

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054839.D
 Acq On : 31 Mar 2019 8:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 4/1/2019 1:32:05 PM

Quant Time: Apr 01 02:24:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	395902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	691689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	258595	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	290276	54.39	ug/l	0.00
Spiked Amount						
			Recovery	=	108.78%	
35) Dibromofluoromethane	7.59	113	229226	49.71	ug/l	0.00
Spiked Amount						
			Recovery	=	99.42%	
50) Toluene-d8	10.09	98	845494	49.32	ug/l	0.00
Spiked Amount						
			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	277363	48.64	ug/l	0.00
Spiked Amount						
			Recovery	=	97.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	187195	46.746	ug/l	98
3) Chloromethane	2.06	50	275568	49.768	ug/l	100
4) Vinyl Chloride	2.19	62	256106	51.506	ug/l	100
5) Bromomethane	2.57	94	111263	42.335	ug/l	97
6) Chloroethane	2.71	64	143746	51.771	ug/l	98
7) Trichlorofluoromethane	3.02	101	322600	52.771	ug/l	100
8) Diethyl Ether	3.41	74	110414	56.092	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154289	47.944	ug/l	93
10) Methyl Iodide	3.94	142	179257	40.689	ug/l #	89
11) Tert butyl alcohol	4.82	59	93474	336.164	ug/l	98
12) 1,1-Dichloroethene	3.73	96	167997	53.983	ug/l #	75
13) Acrolein	3.61	56	67609	271.980	ug/l	96
14) Allyl chloride	4.32	41	387059	50.495	ug/l #	90
15) Acrylonitrile	5.00	53	478032	309.296	ug/l	99
16) Acetone	3.82	43	337150	264.919	ug/l #	83
17) Carbon Disulfide	4.04	76	517146	51.235	ug/l	98
18) Methyl Acetate	4.33	43	217193	65.812	ug/l #	87
19) Methyl tert-butyl Ether	5.06	73	641093	58.892	ug/l	95
20) Methylene Chloride	4.54	84	240731	53.625	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	222371	54.401	ug/l #	83
22) Diisopropyl ether	5.96	45	878245	57.929	ug/l #	93
23) Vinyl Acetate	5.90	43	3196171	302.942	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	454936	56.253	ug/l	98
25) 2-Butanone	6.85	43	600577	319.247	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	148416	26.183	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	259359	56.167	ug/l	93
28) Bromochloromethane	7.19	49	225163	55.679	ug/l #	70
29) Tetrahydrofuran	7.22	42	410594	314.245	ug/l #	84
30) Chloroform	7.37	83	442456	57.375	ug/l	100
31) Cyclohexane	7.65	56	403971	55.028	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	363960	56.951	ug/l	96
36) 1,1-Dichloropropene	7.79	75	325655	50.527	ug/l	95
37) Ethyl Acetate	6.94	43	272686	57.694	ug/l	96
38) Carbon Tetrachloride	7.77	117	314406	50.224	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	317423	44.797	ug/l	88
40) Benzene	8.04	78	985061	53.413	ug/l	100
41) Methacrylonitrile	7.18	41	152143	57.303	ug/l	89
42) 1,2-Dichloroethane	8.13	62	355433	53.976	ug/l	97
43) Isopropyl Acetate	8.17	43	459593	59.845	ug/l #	94
44) Trichloroethene	8.83	130	247308	51.658	ug/l	93
45) 1,2-Dichloropropane	9.12	63	276146	52.513	ug/l	99
46) Dibromomethane	9.21	93	159062	53.770	ug/l	90
47) Bromodichloromethane	9.40	83	338308	55.028	ug/l	95
48) Methyl methacrylate	9.20	41	234253	56.270	ug/l #	86
49) 1,4-Dioxane	9.21	88	50982	1234.238	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1334095	308.978	ug/l	93
52) Toluene	10.16	92	583621	53.183	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	286104	49.471	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	347954	50.367	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	223740	54.832	ug/l	96
56) Ethyl methacrylate	10.43	69	309977	57.910	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	384245	54.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	585794	253.890	ug/l	89
59) 2-Hexanone	10.75	43	822461	297.555	ug/l	92
60) Dibromochloromethane	10.90	129	235397	56.950	ug/l	100
61) 1,2-Dibromoethane	11.01	107	215781	55.335	ug/l	99
64) Tetrachloroethene	10.63	164	244402	53.028	ug/l	97
65) Chlorobenzene	11.44	112	599605	50.990	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	239911	54.507	ug/l	99
67) Ethyl Benzene	11.51	91	1086058	51.181	ug/l	97
68) m/p-Xylenes	11.62	106	792800	100.957	ug/l	93
69) o-Xylene	11.95	106	394094	51.178	ug/l	96
70) Styrene	11.96	104	657262	53.382	ug/l	96
71) Bromoform	12.13	173	146580	56.846	ug/l #	100
73) Isopropylbenzene	12.25	105	1028312	48.651	ug/l	98
74) N-amyl acetate	12.07	43	364984	55.427	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	277741	59.949	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	245148m	54.570	ug/l	
77) Bromobenzene	12.53	156	258824	50.738	ug/l	86
78) n-propylbenzene	12.59	91	1130686	48.671	ug/l	96
79) 2-Chlorotoluene	12.68	91	698958	48.632	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	832478	48.000	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	48362	41.874	ug/l #	82
82) 4-Chlorotoluene	12.77	91	687461	49.246	ug/l	93
83) tert-Butylbenzene	12.99	119	718747	53.639	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	834149	50.485	ug/l	97
85) sec-Butylbenzene	13.17	105	885961	47.025	ug/l	97
86) p-Isopropyltoluene	13.29	119	765016	46.039	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	419148	49.077	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	406914	48.577	ug/l	98
89) n-Butylbenzene	13.62	91	607847	44.835	ug/l	97
90) Hexachloroethane	13.88	117	136716	48.459	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	421733	48.928	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42410	58.693	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198940	47.874	ug/l	99
94) Hexachlorobutadiene	15.01	225	107702	43.490	ug/l	99
95) Naphthalene	15.13	128	483913	51.922	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	204358	48.695	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

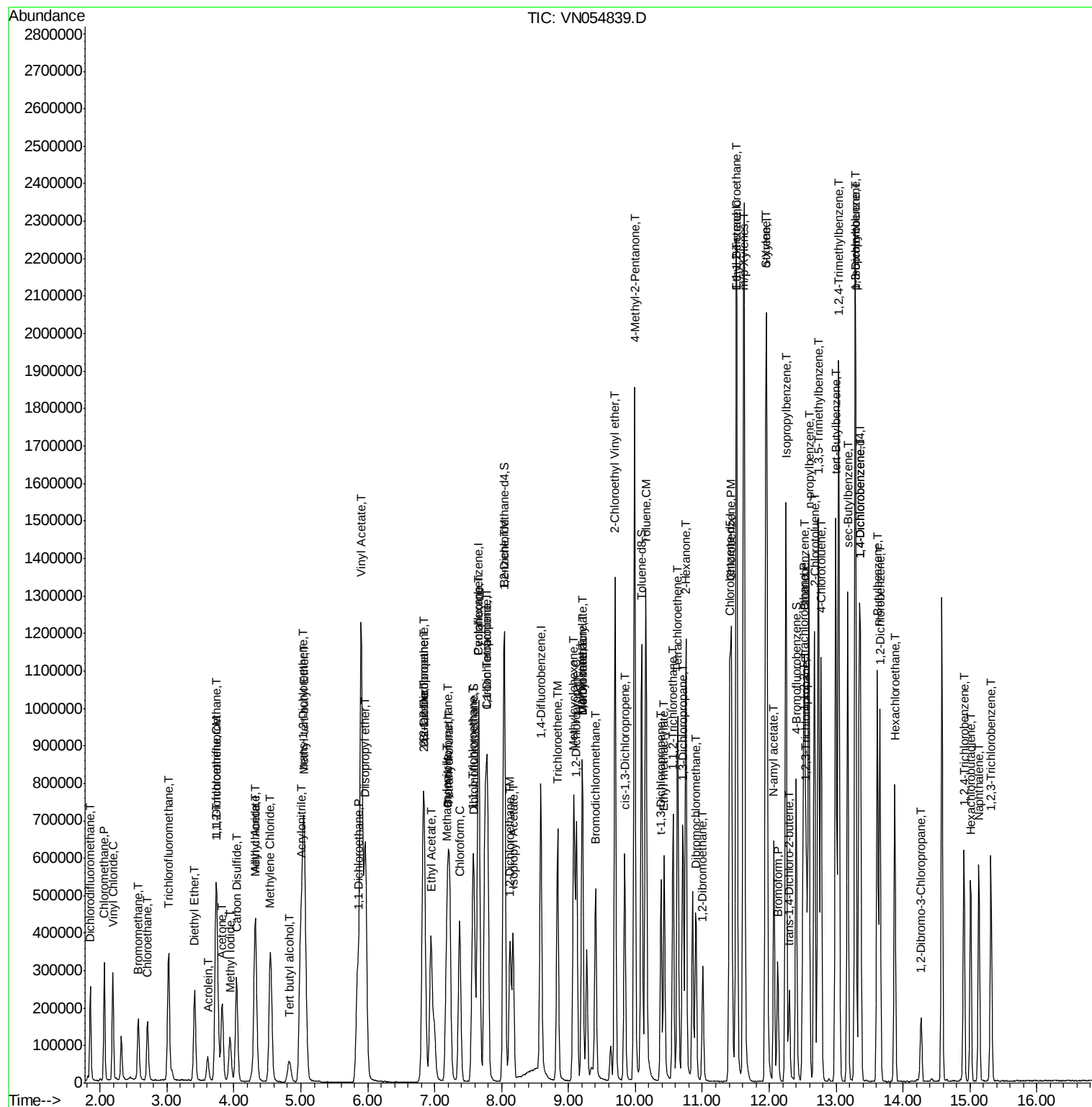
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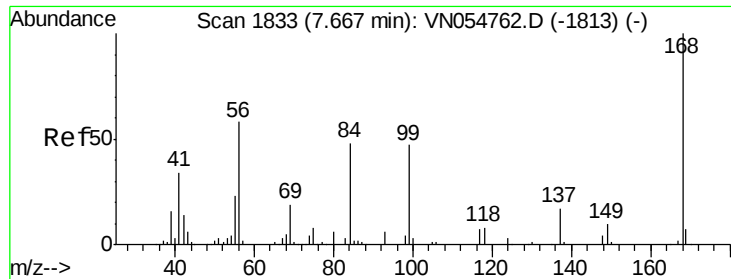
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 395902

Ion Ratio Lower Upper

168 100

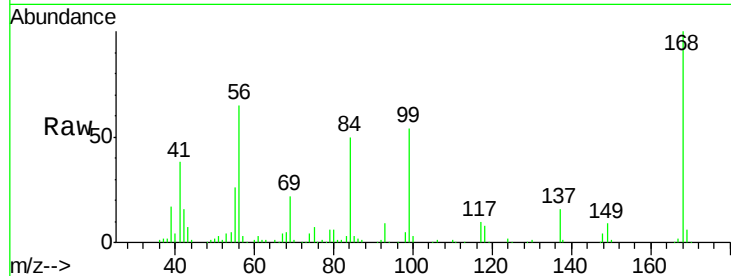
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Manual Integrations

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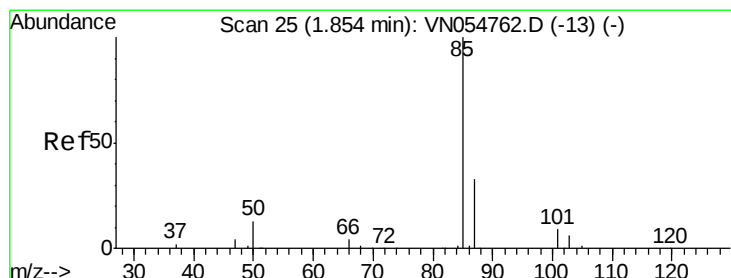
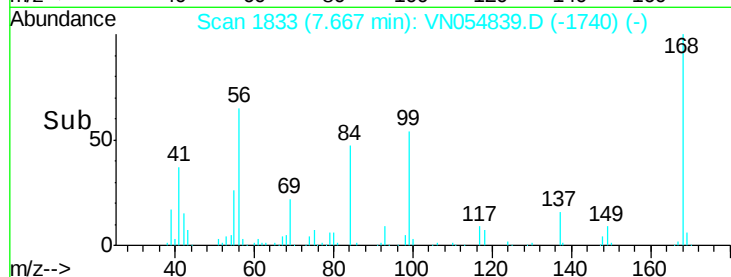
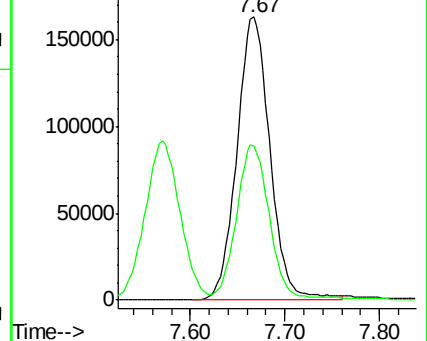
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.746 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054839.D

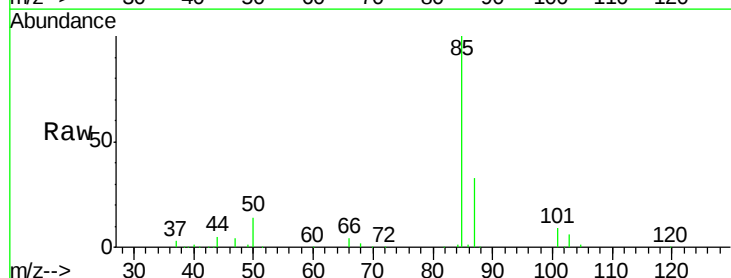
Acq: 31 Mar 2019 8:23

Tgt Ion: 85 Resp: 187195

Ion Ratio Lower Upper

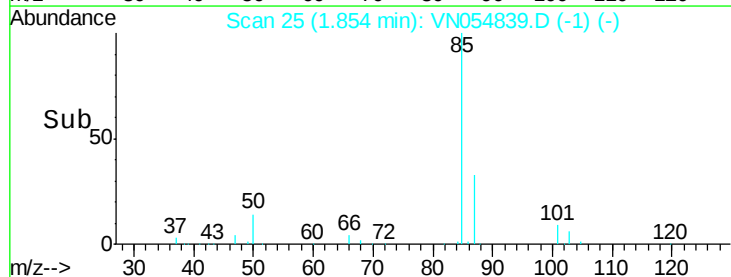
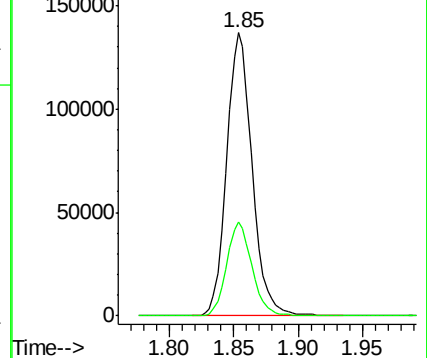
85 100

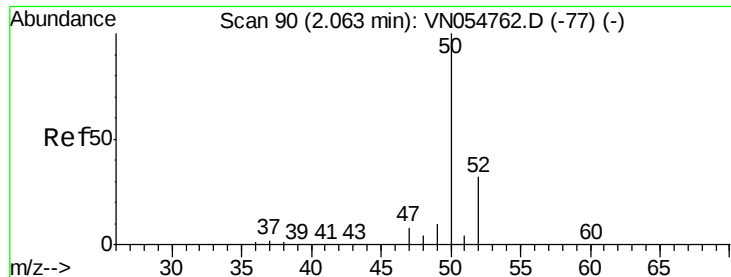
87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.768 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 275568

Ion Ratio Lower Upper

50 100

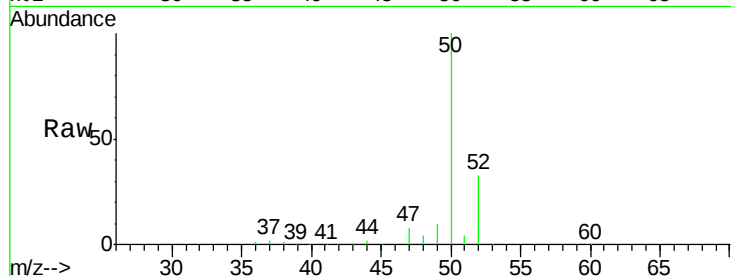
52 32.9 26.4 39.6

Manual Integrations

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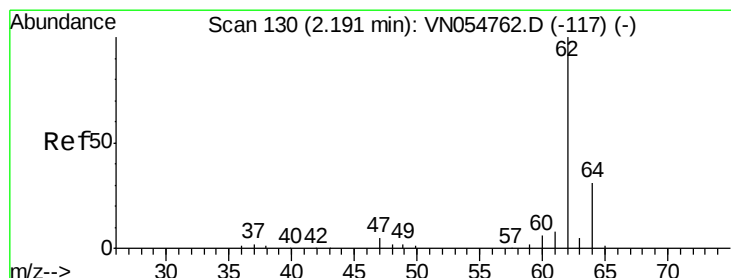
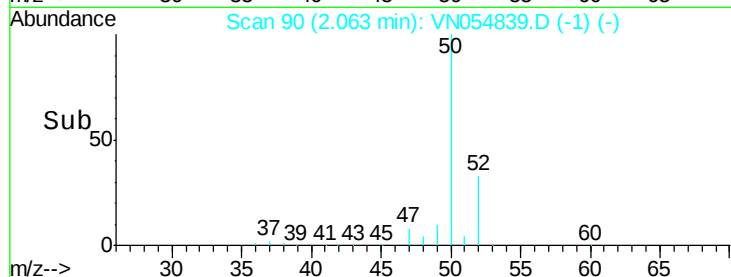
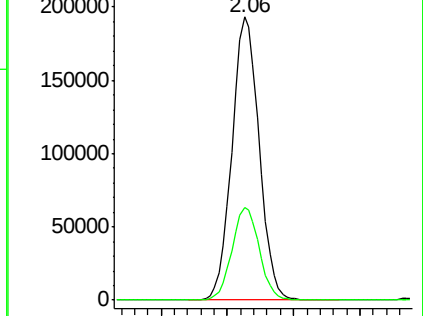
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 51.506 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054839.D

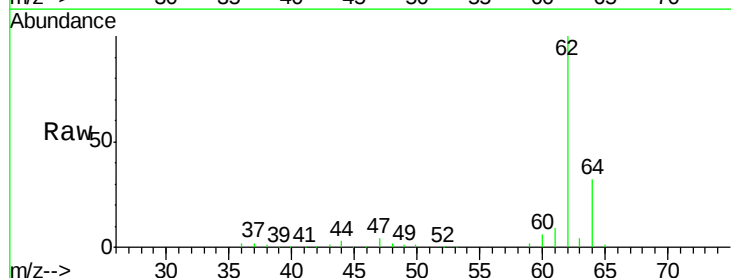
Acq: 31 Mar 2019 8:23

Tgt Ion: 62 Resp: 256106

Ion Ratio Lower Upper

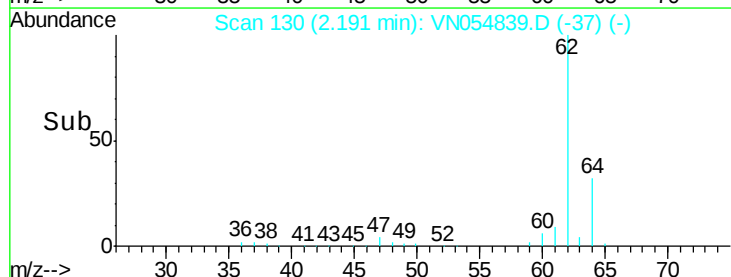
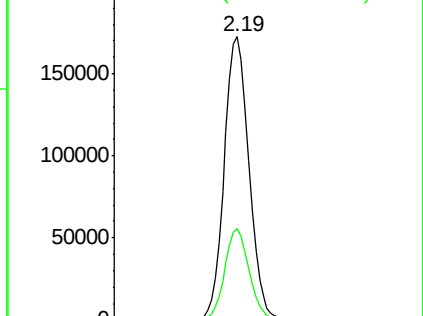
62 100

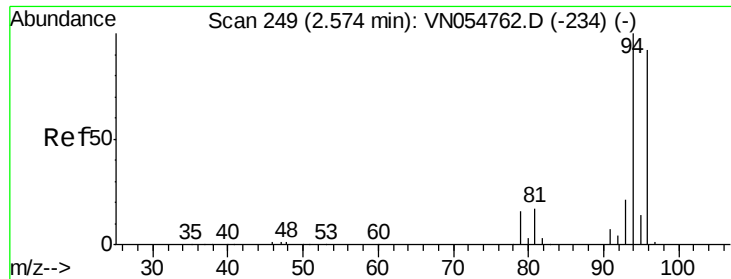
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 42.335 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

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Tot Ion: 94 Resp: 111263

Ion Ratio Lower Upper

94 100

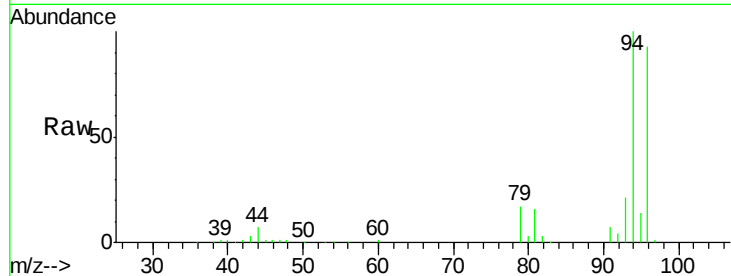
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Manual Integrations

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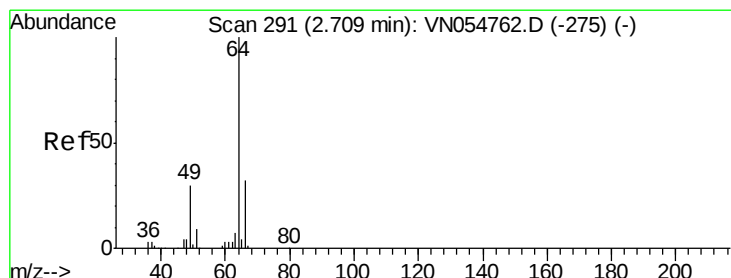
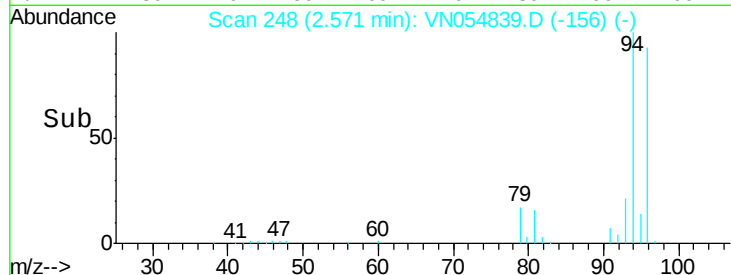
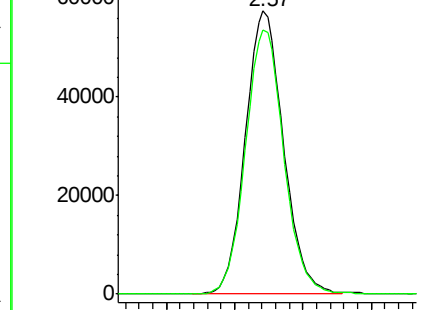
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 51.771 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

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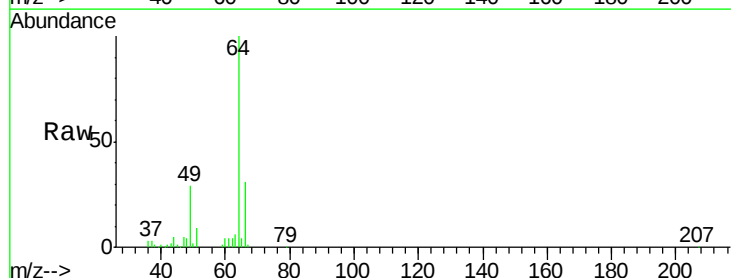
Acq: 31 Mar 2019 8:23

Tgt Ion: 64 Resp: 143746

Ion Ratio Lower Upper

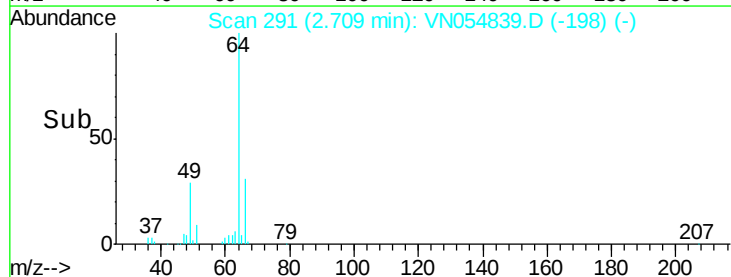
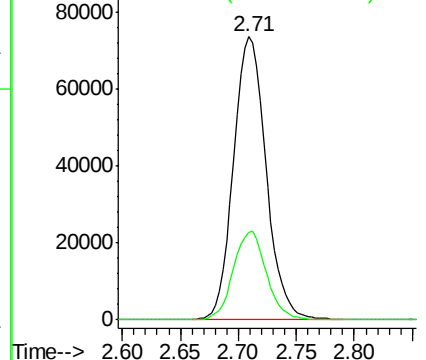
64 100

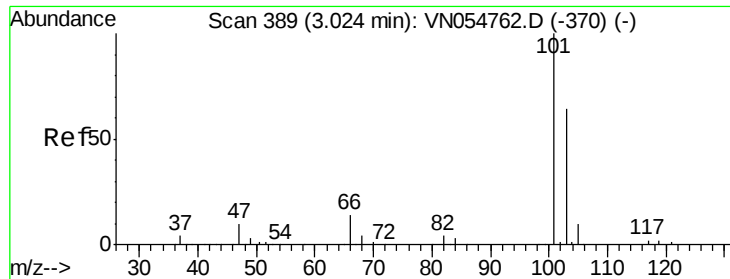
66 31.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

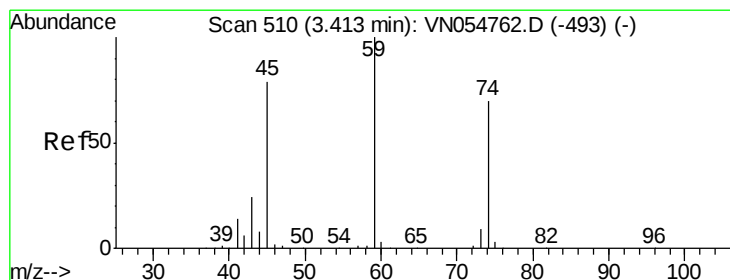
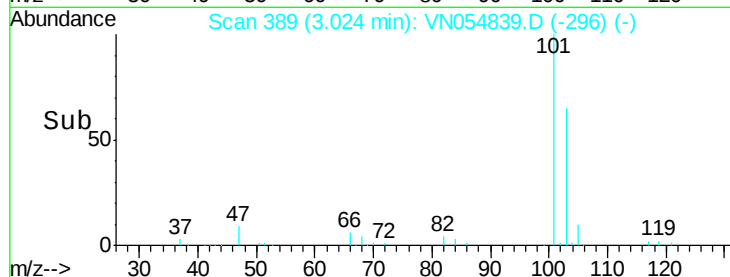
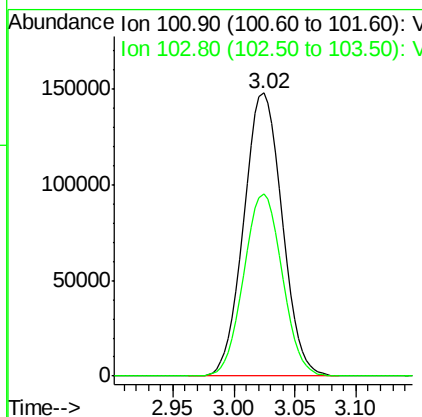
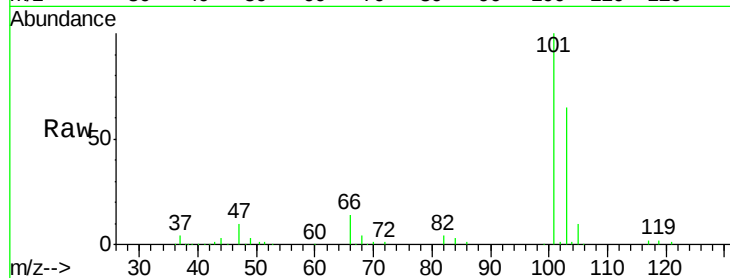
Trichlorofluoromethane
 Concen: 52.771 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

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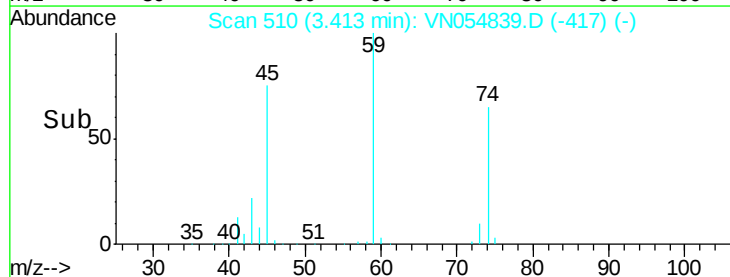
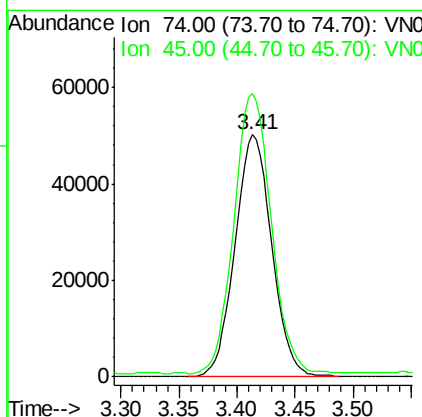
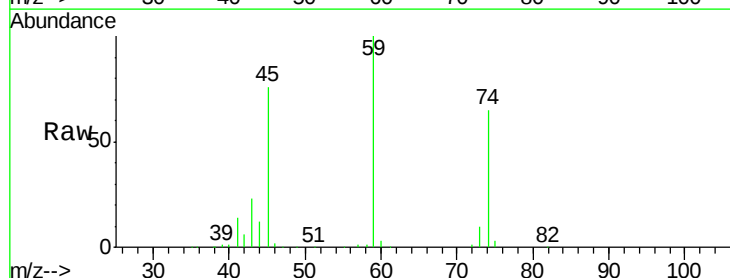
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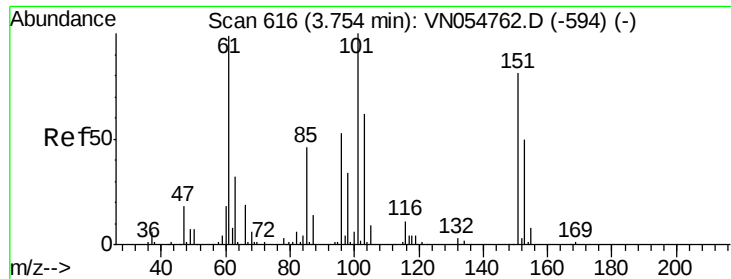


#8

Diethyl Ether
 Concen: 56.092 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.7	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.944 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

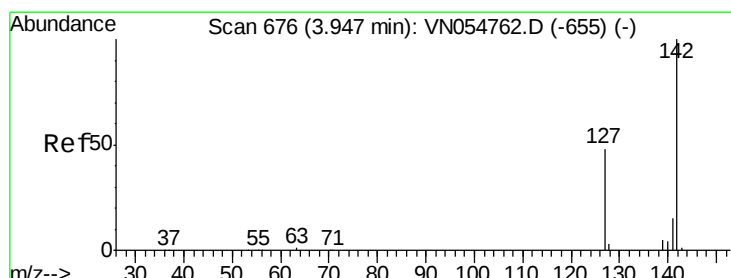
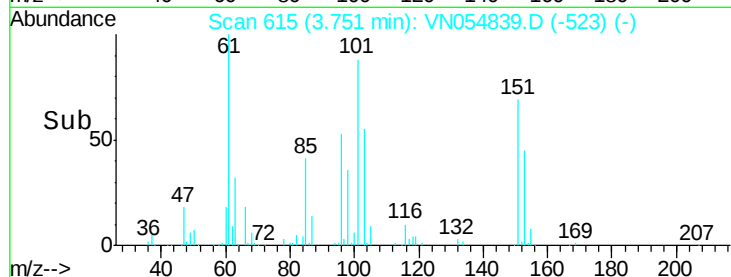
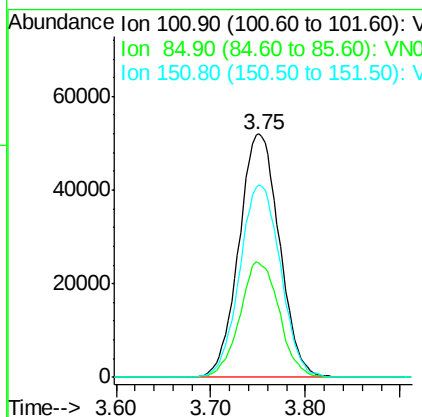
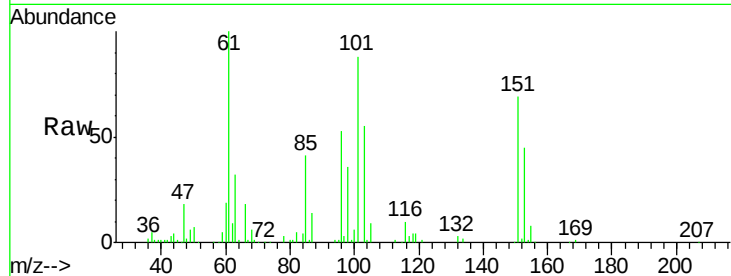
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	154289
Ion Ratio	Lower	Upper	
101	100		
85	46.2	32.4	48.6
151	79.9	68.2	102.2

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#10

Methyl Iodide

Concen: 40.689 ug/l

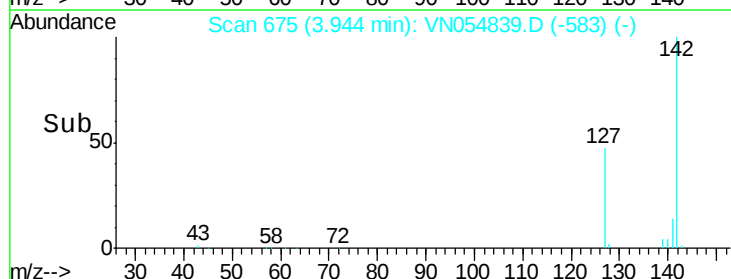
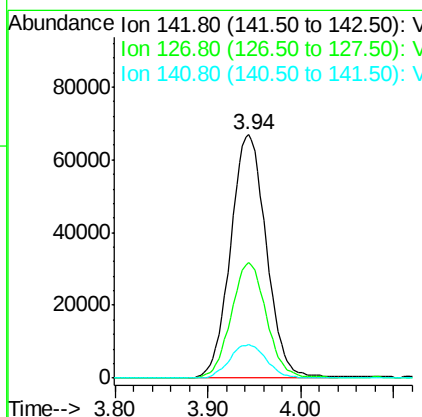
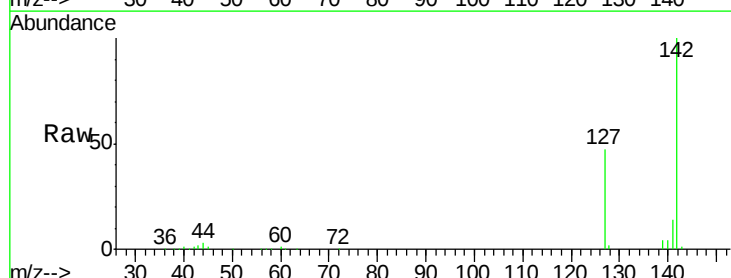
RT: 3.94 min Scan# 675

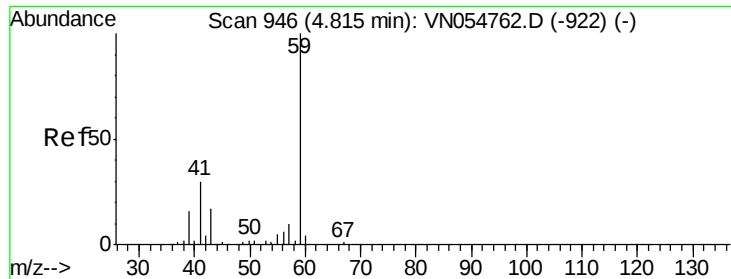
Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Tgt Ion:	142	Resp:	179257
Ion Ratio	Lower	Upper	
142	100		
127	46.8	30.3	45.5#
141	14.2	11.2	16.8





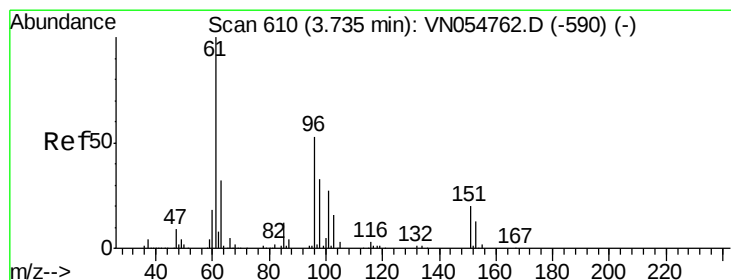
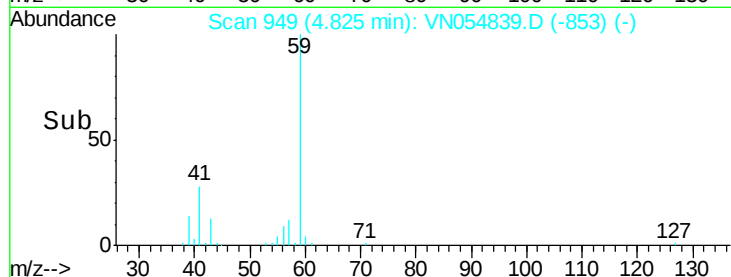
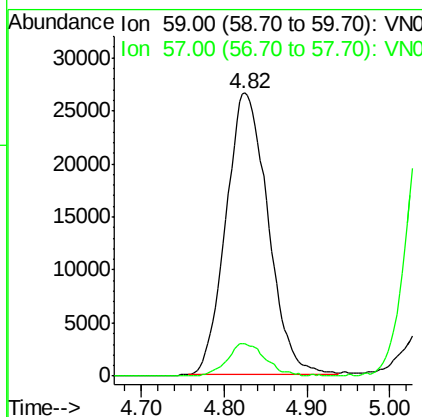
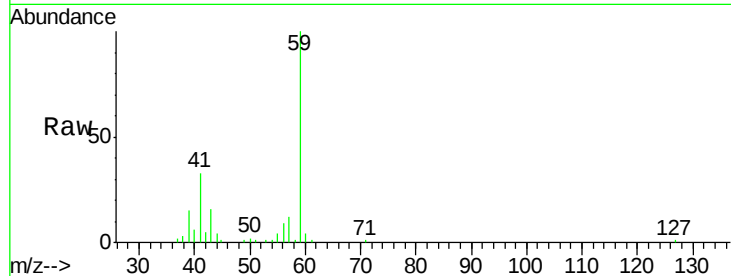
#11
Tert butyl alcohol
Concen: 336.164 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.01 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 93474
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.6

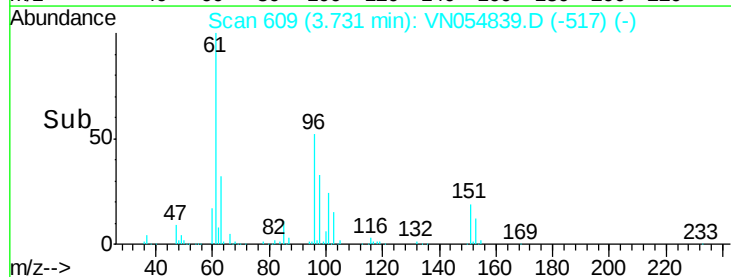
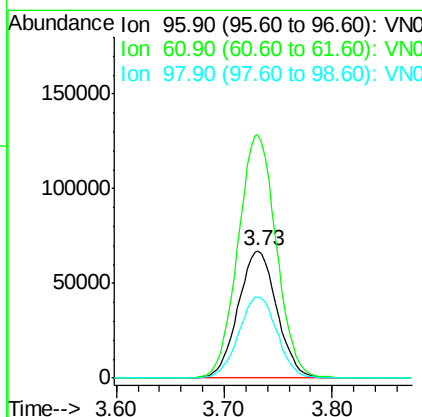
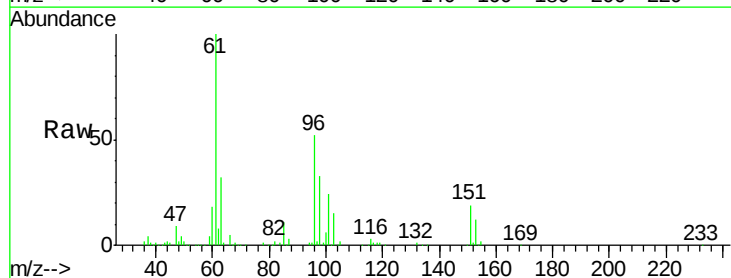
Manual Integrations
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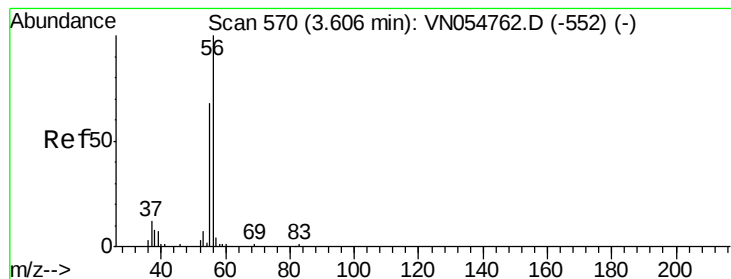
MMDadoda
4/1/2019 1:32:05 PM



#12
1,1-Dichloroethene
Concen: 53.983 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 96 Resp: 167997
Ion Ratio Lower Upper
96 100
61 191.1 116.5 174.7#
98 63.9 51.0 76.4





#13

Acrolein

Concen: 271.980 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67609

Ion Ratio Lower Upper

56 100

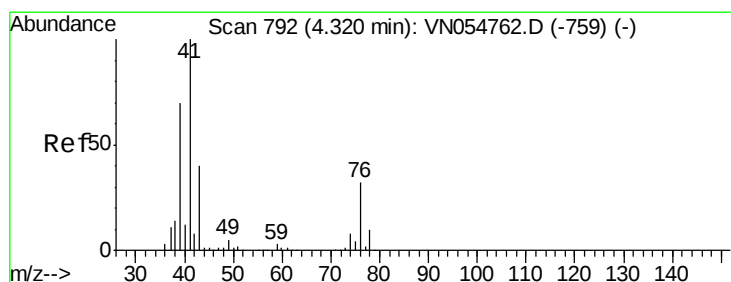
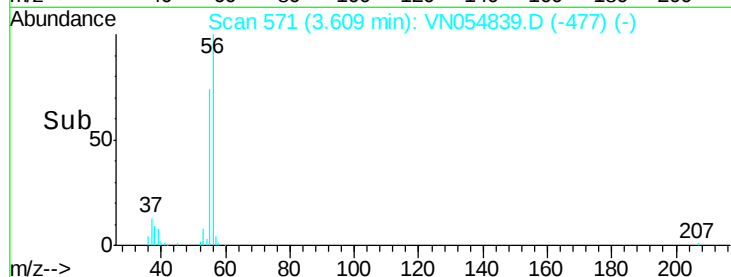
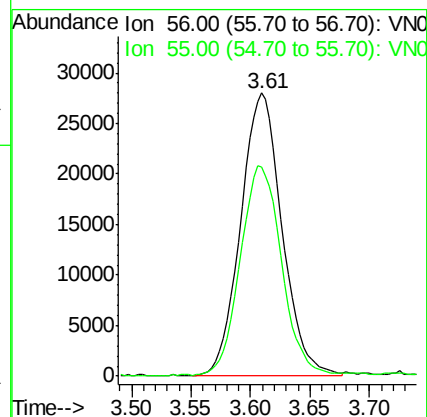
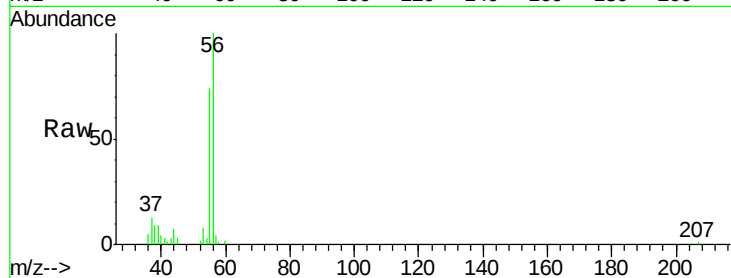
55 74.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.495 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

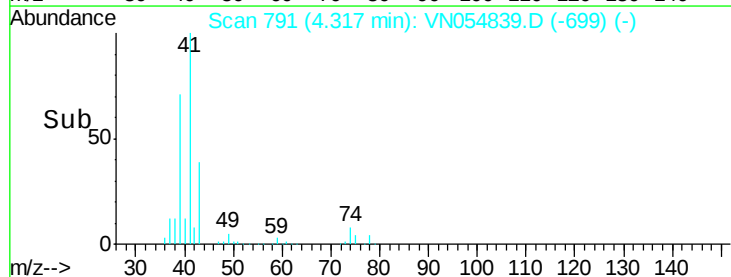
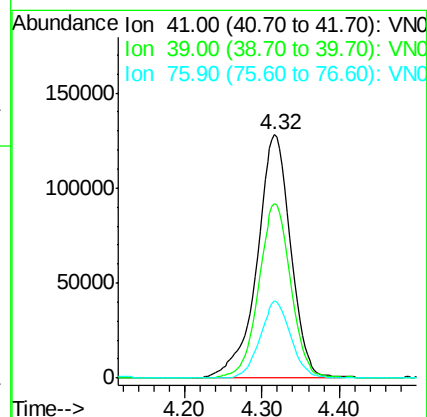
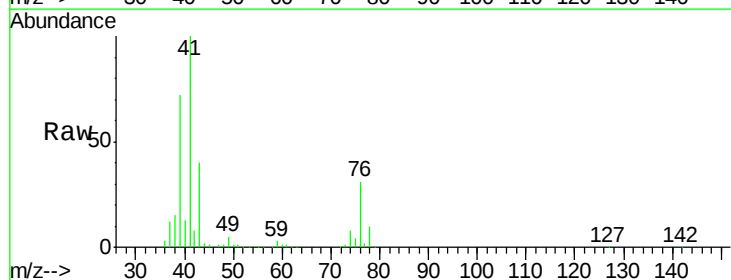
Tgt Ion: 41 Resp: 387059

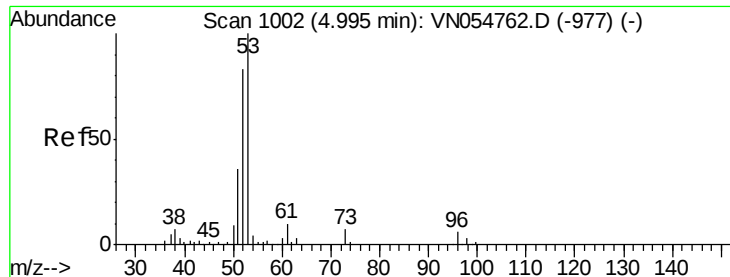
Ion Ratio Lower Upper

41 100

39 68.2 58.2 87.4

76 28.8 31.7 47.5#





#15

Acrylonitrile

Concen: 309.296 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

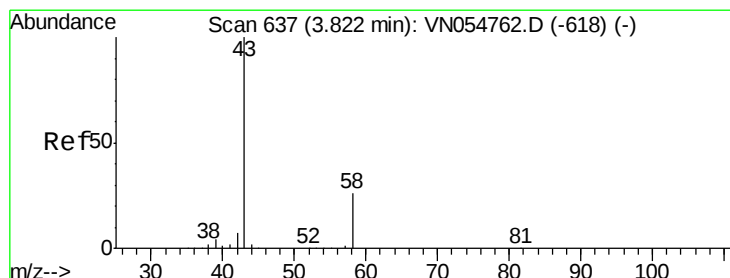
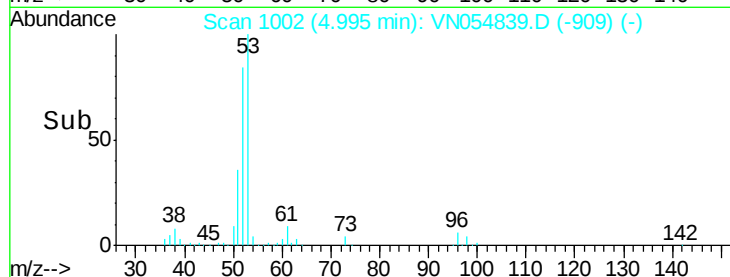
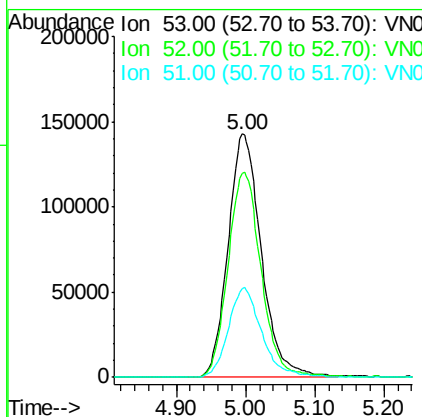
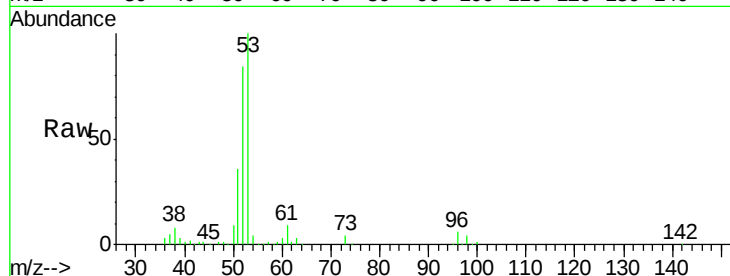
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	478032
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.4	99.6
51	37.1	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 264.919 ug/l

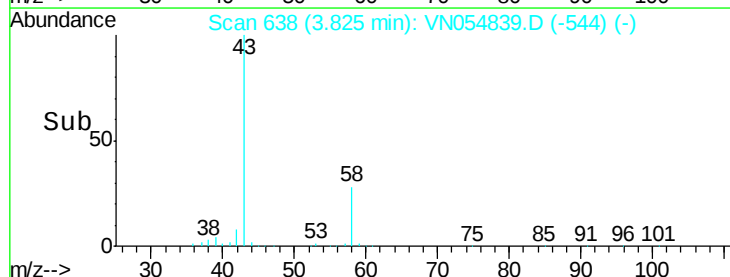
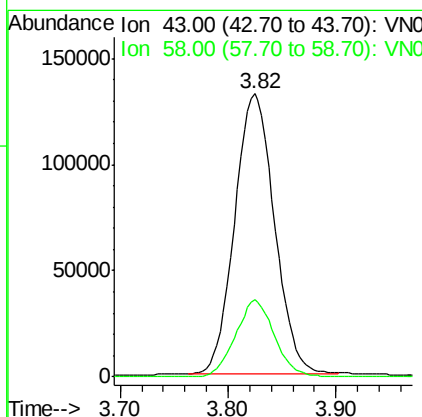
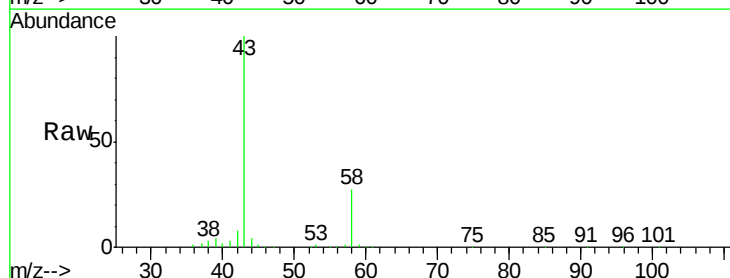
RT: 3.82 min Scan# 638

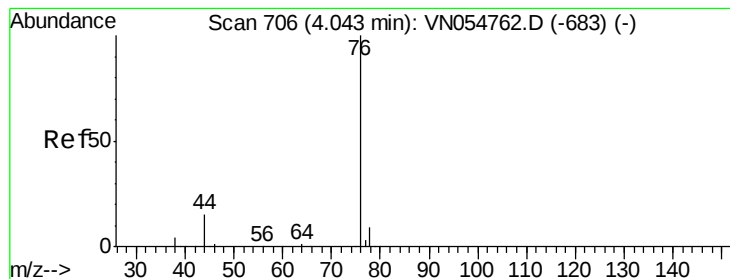
Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Tgt Ion:	43	Resp:	337150
Ion	Ratio	Lower	Upper
43	100		
58	27.5	29.9	44.9#





#17

Carbon Disulfide

Concen: 51.235 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 517146

Ion Ratio Lower Upper

76 100

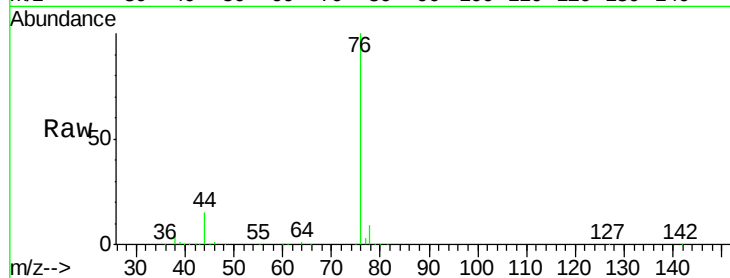
78 8.7 7.5 11.3

Manual Integrations

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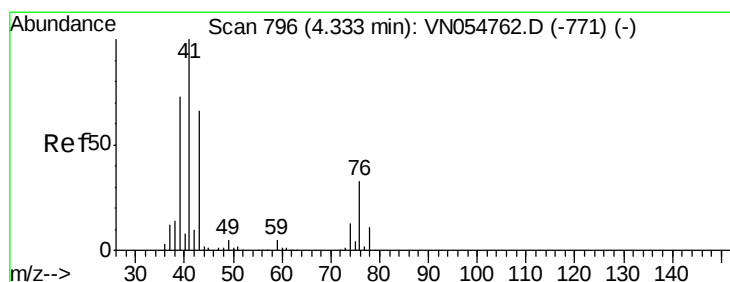
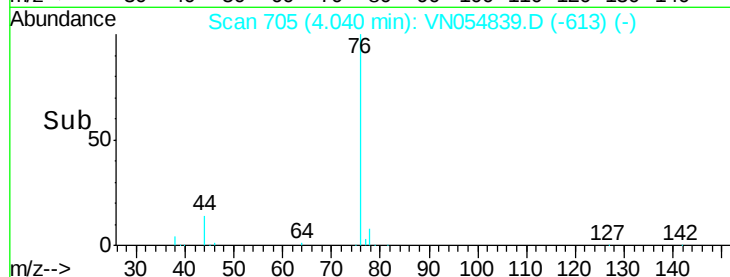
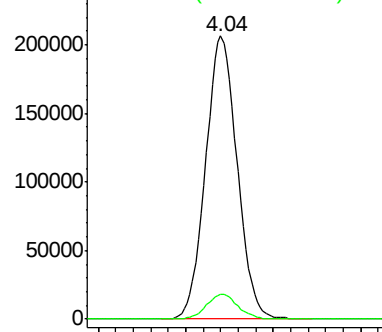
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 65.812 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054839.D

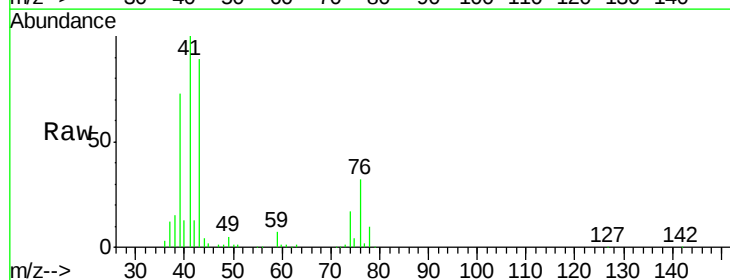
Acq: 31 Mar 2019 8:23

Tgt Ion: 43 Resp: 217193

Ion Ratio Lower Upper

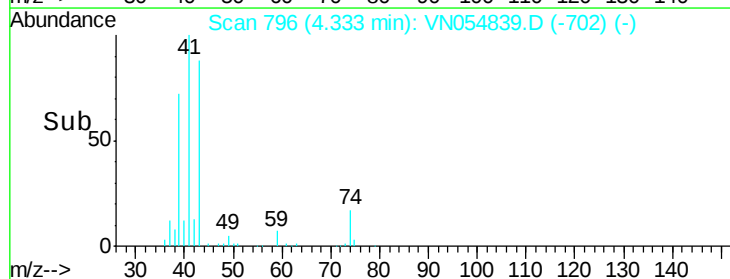
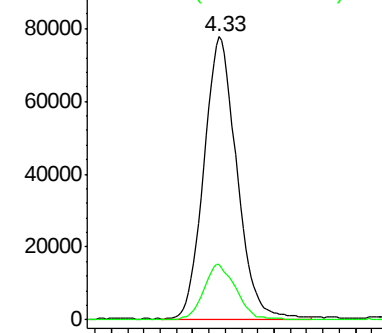
43 100

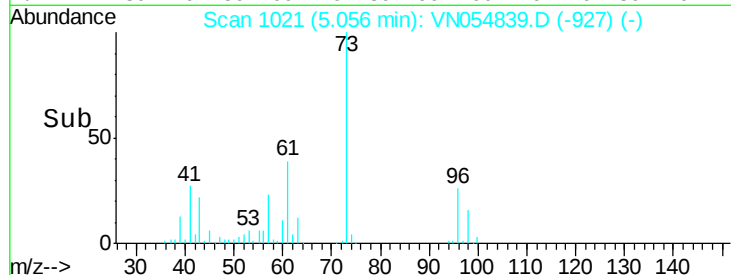
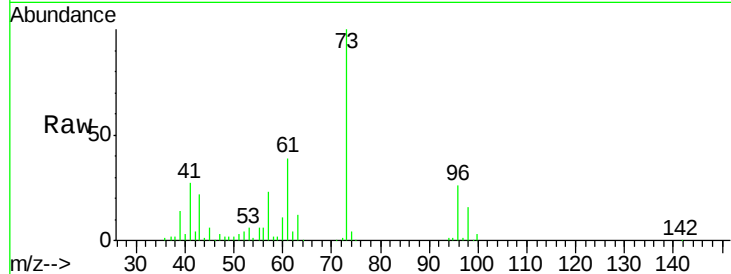
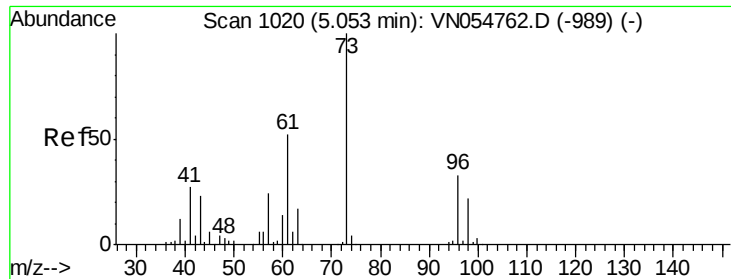
74 19.4 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





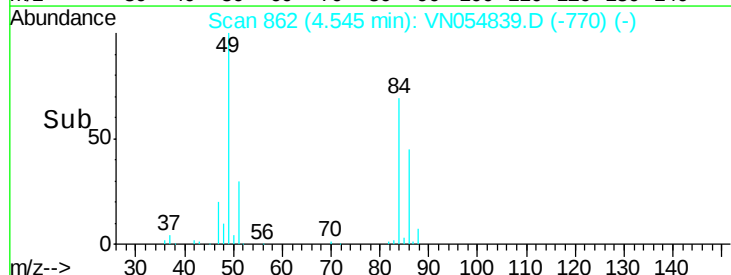
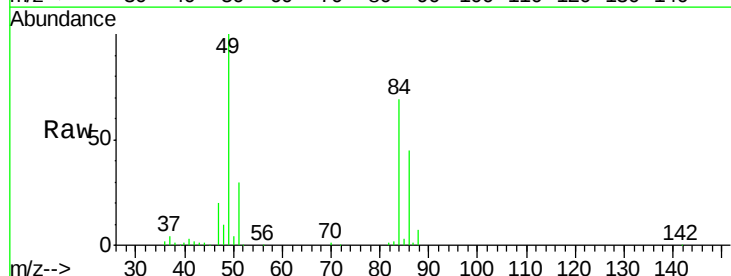
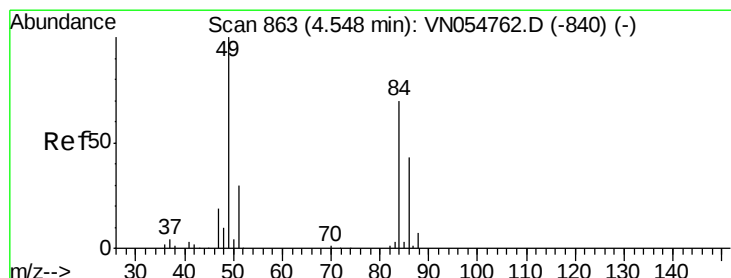
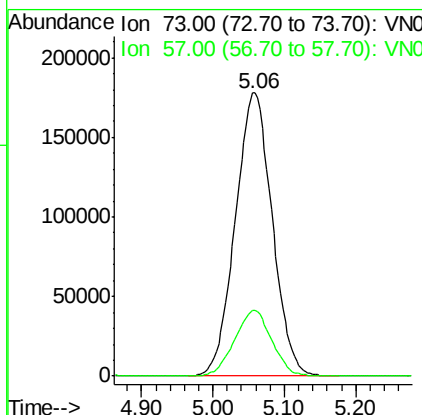
#19
Methyl tert-butyl Ether
Concen: 58.892 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tot Ion: 73 Resp: 641093
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

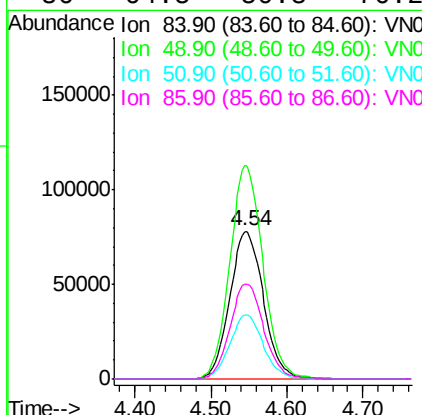
Manual Integrations
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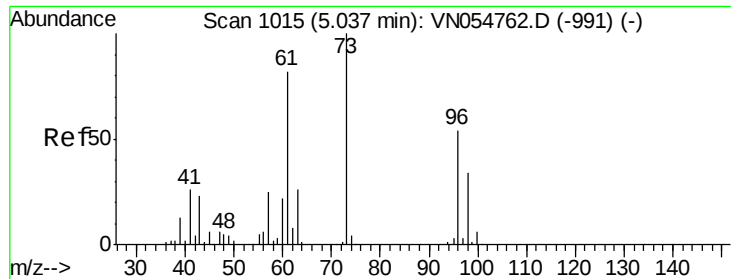
MMDadoda
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#20
Methylene Chloride
Concen: 53.625 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 84 Resp: 240731
Ion Ratio Lower Upper
84 100
49 144.5 89.7 134.5#
51 43.8 28.2 42.4#
86 64.5 50.8 76.2





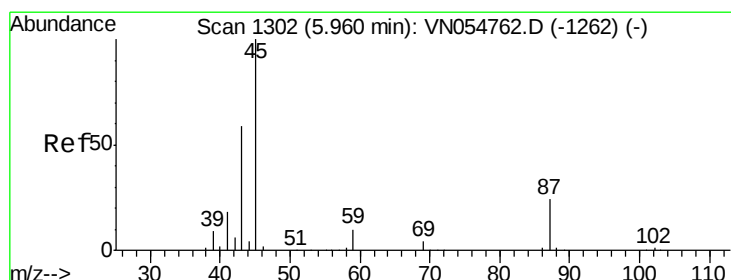
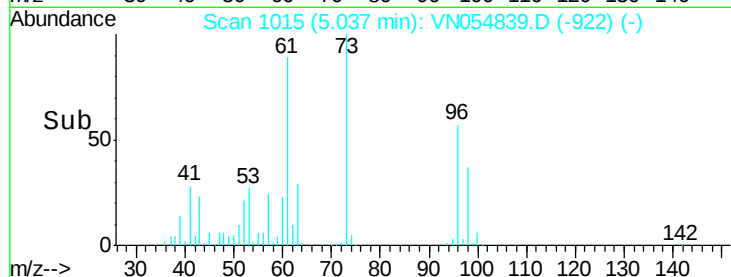
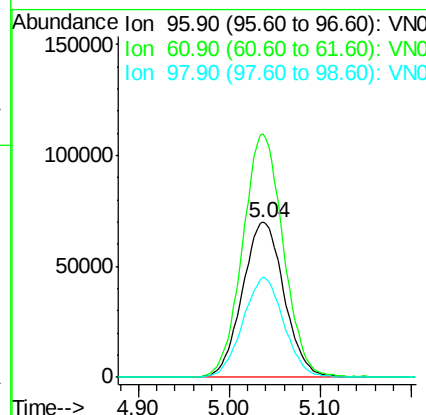
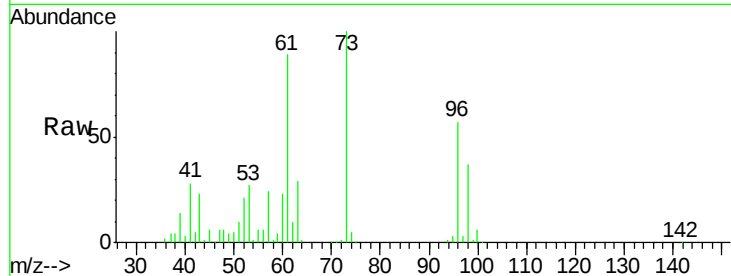
#21
trans-1,2-Dichloroethene
Concen: 54.401 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.9	102.8	154.2#
98	64.5	50.0	75.0

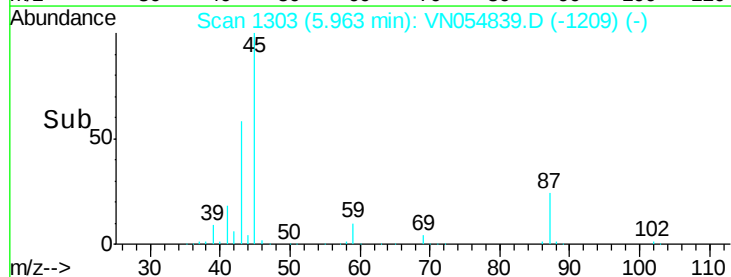
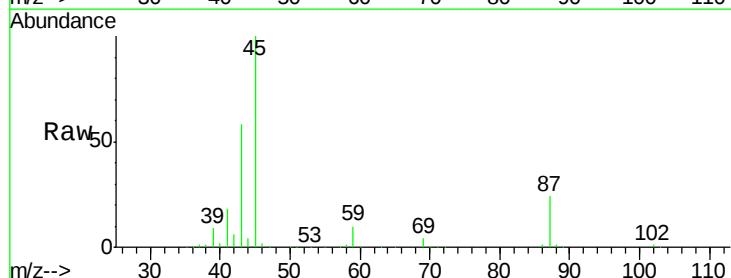
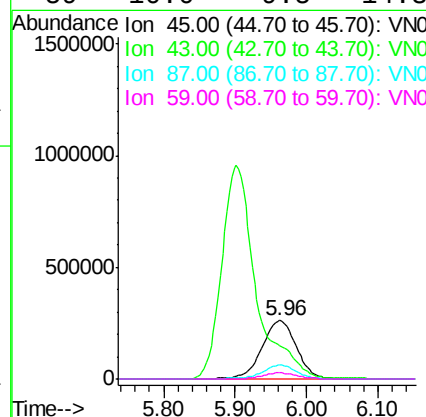
Manual Integrations
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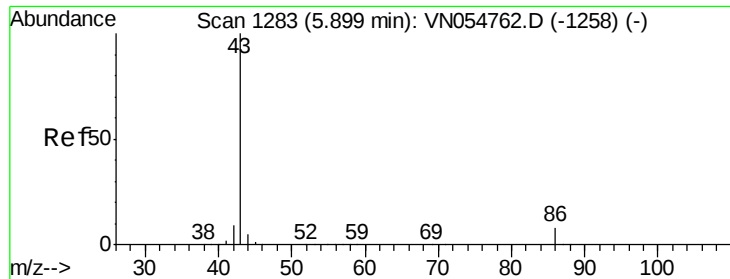
MMDadoda
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#22
Diisopropyl ether
Concen: 57.929 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.2	72.2
87	23.8	24.9	37.3#
59	10.0	9.5	14.3





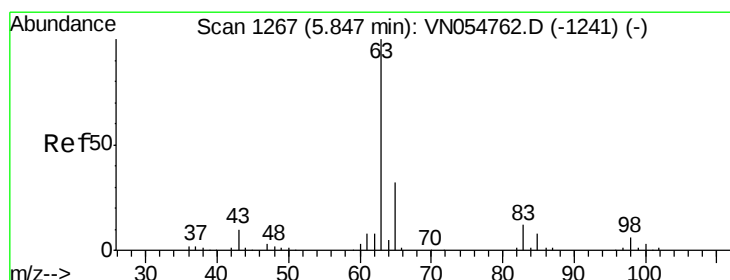
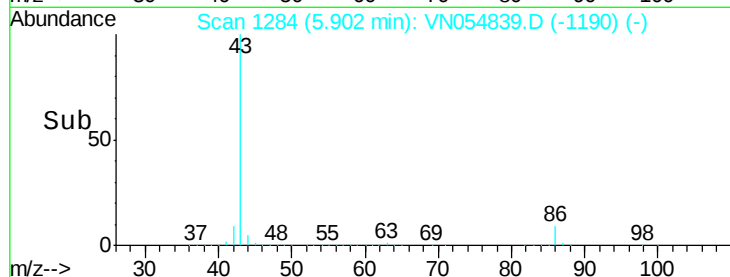
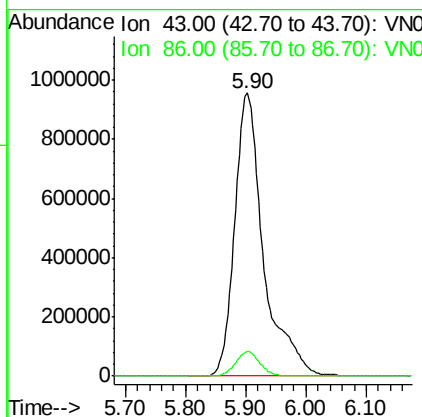
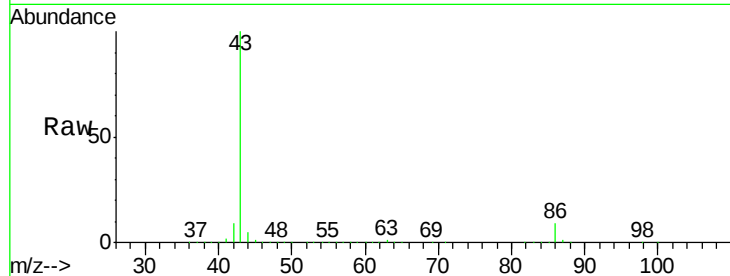
#23
 Vinyl Acetate
 Concen: 302.942 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3196171
 Ion Ratio Lower Upper
 43 100
 86 8.6 9.1 13.7#

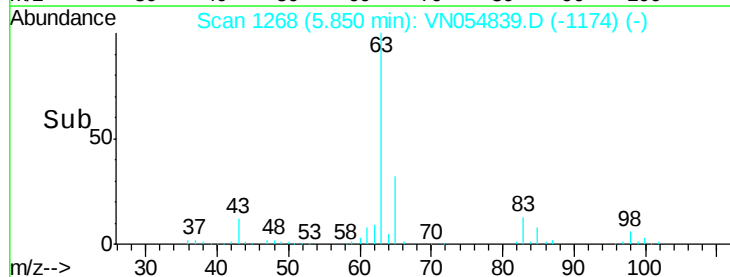
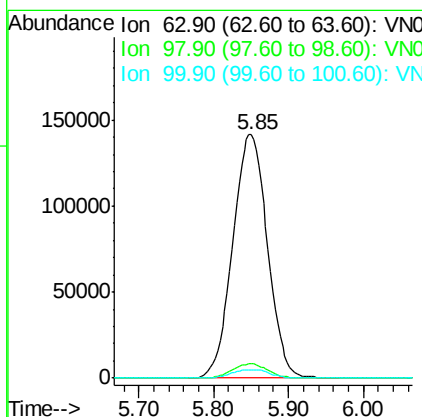
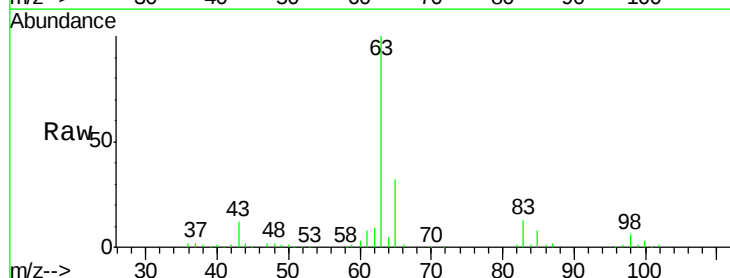
Manual Integrations
 APPROVED

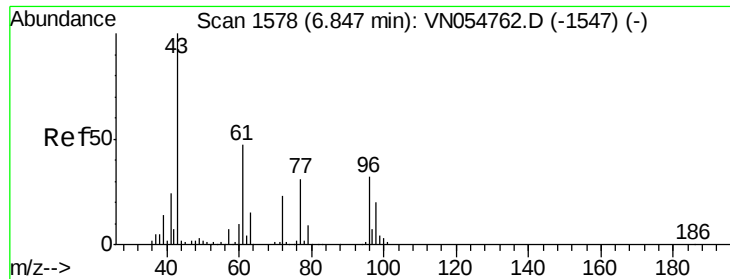
MMDadoda
 4/1/2019 1:32:05 PM



#24
 1,1-Dichloroethane
 Concen: 56.253 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 63 Resp: 454936
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 3.4 2.0 6.0





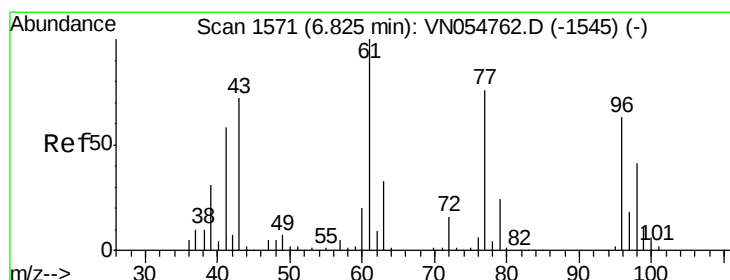
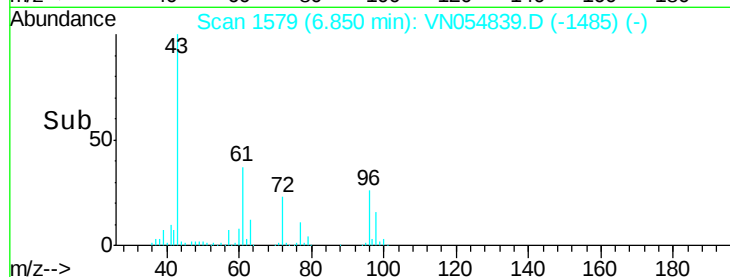
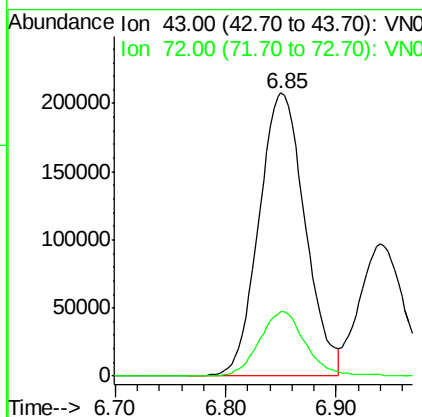
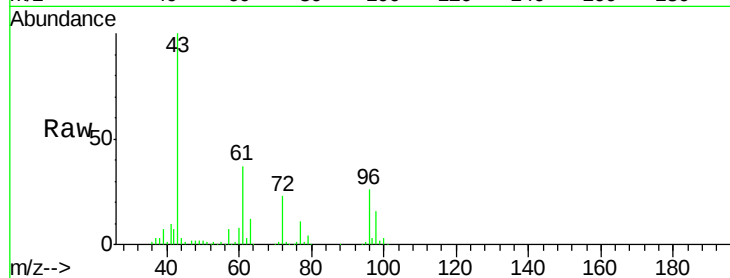
#25
2-Butanone
Concen: 319.247 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 600577
Ion Ratio Lower Upper
43 100
72 22.9 23.0 34.6#

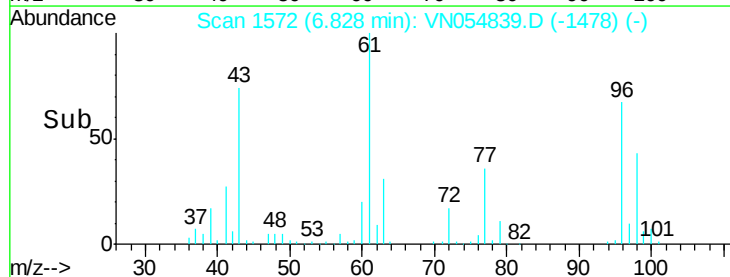
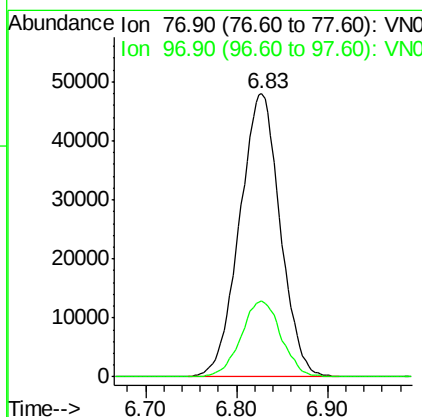
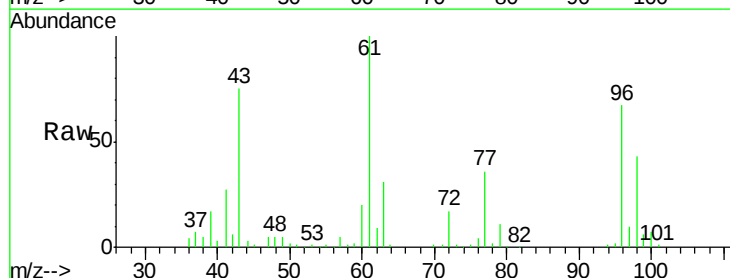
Manual Integrations
APPROVED

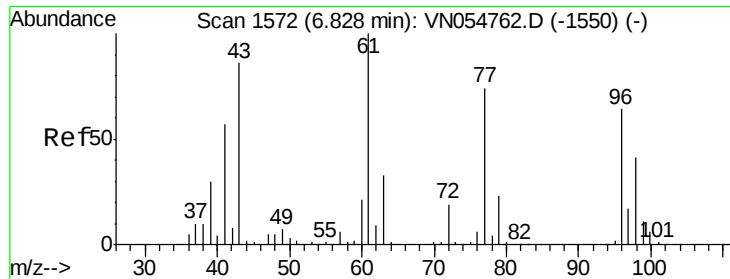
MMDadoda
4/1/2019 1:32:05 PM



#26
2,2-Dichloropropane
Concen: 26.183 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 77 Resp: 148416
Ion Ratio Lower Upper
77 100
97 26.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 56.167 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

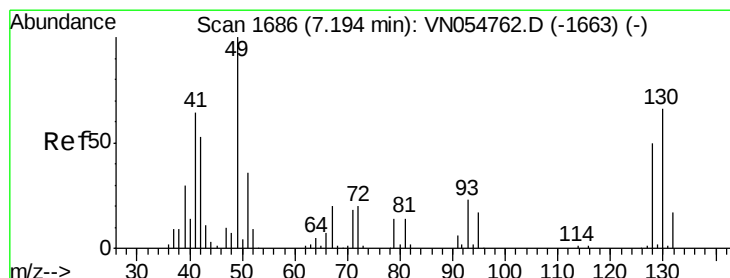
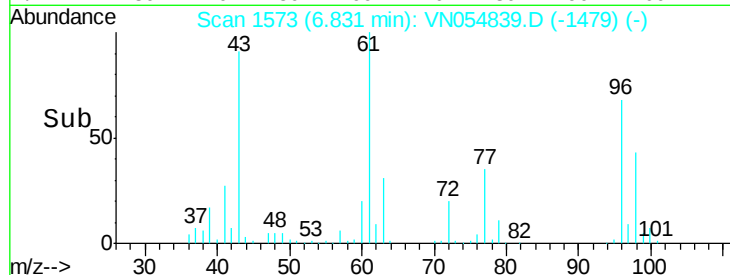
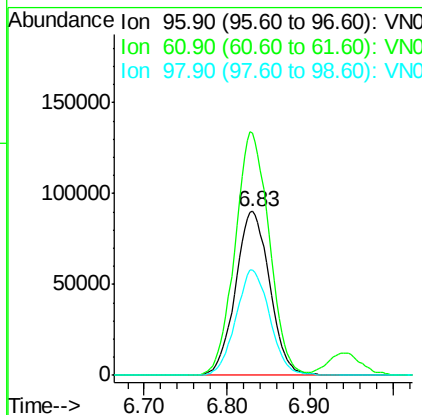
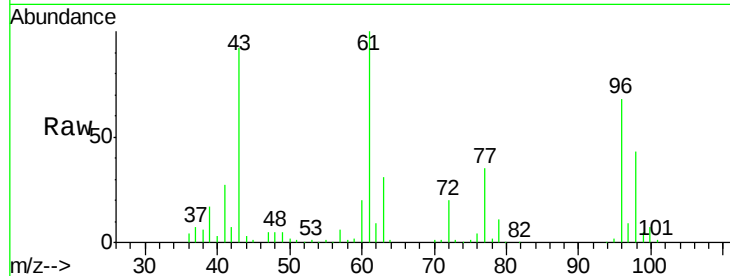
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	259359
Ion Ratio	Lower	Upper	
96	100		
61	148.0	0.0	273.0
98	63.8	0.0	130.6

Manual Integrations
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4/1/2019 1:32:05 PM



#28

Bromochloromethane

Concen: 55.679 ug/l

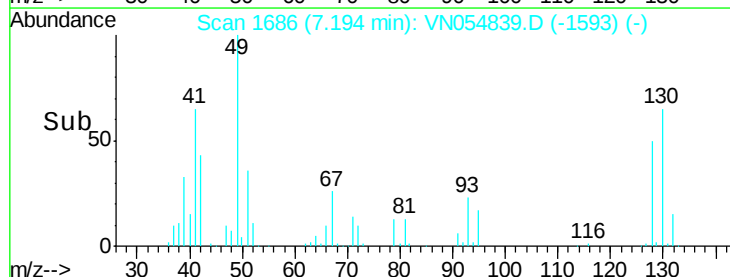
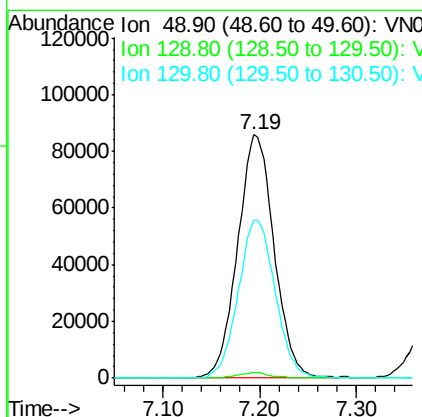
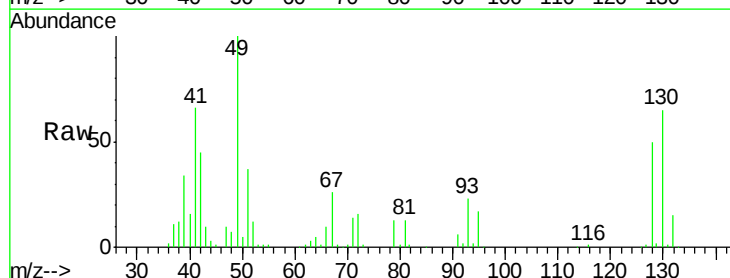
RT: 7.19 min Scan# 1686

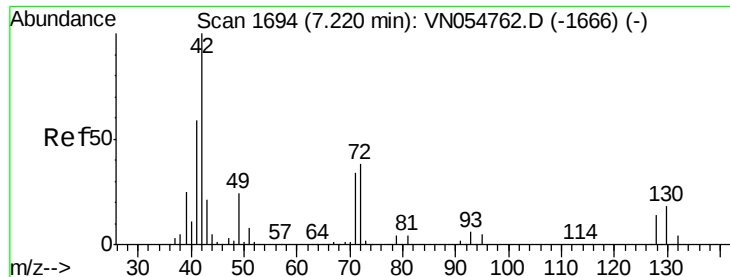
Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Tgt Ion:	49	Resp:	225163
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.6
130	65.7	76.7	115.1#





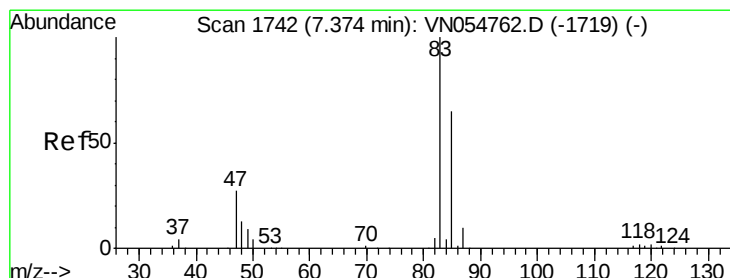
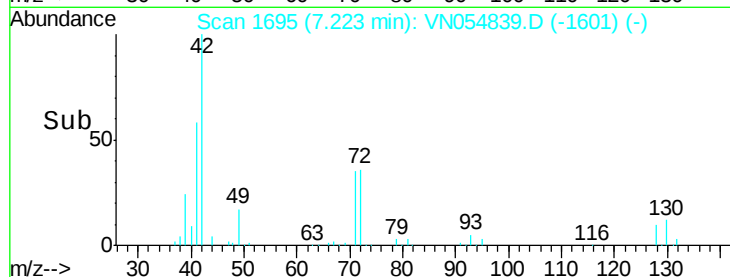
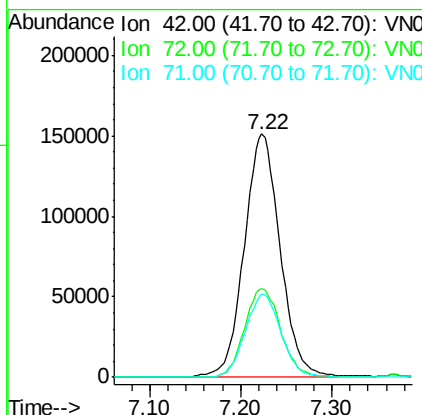
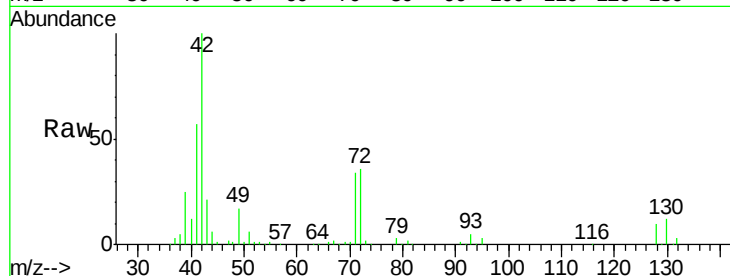
#29
Tetrahydrofuran
Concen: 314.245 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	37.8	56.6#
71	34.5	36.2	54.2#

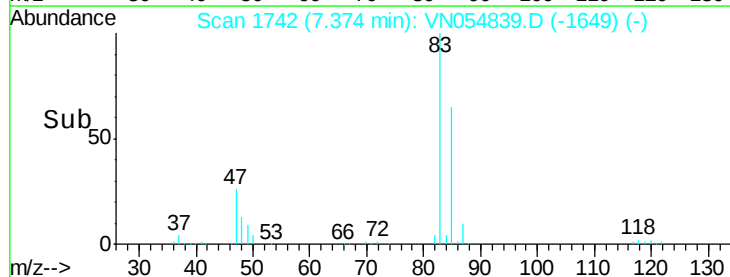
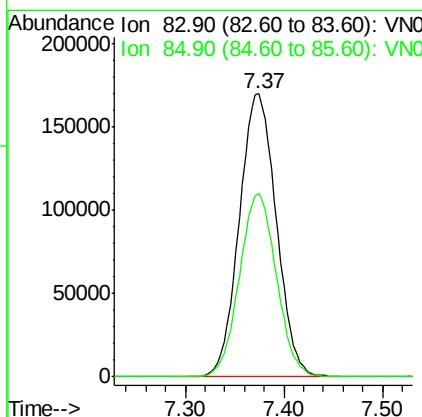
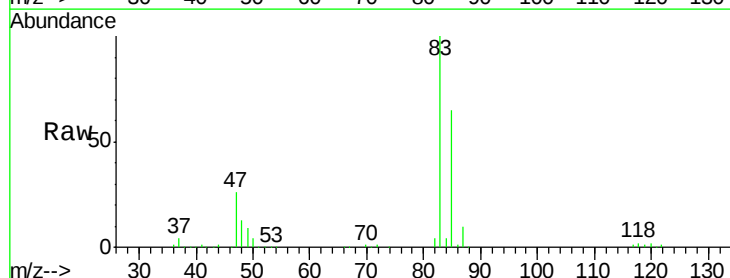
Manual Integrations
APPROVED

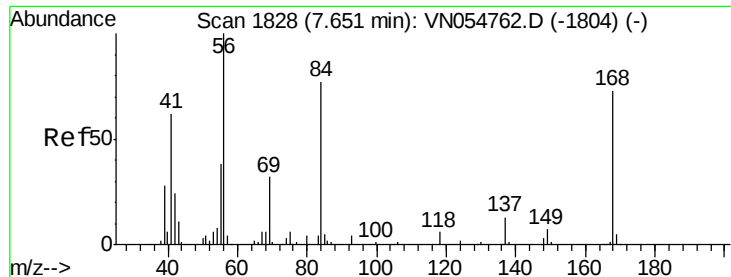
MMDadoda
4/1/2019 1:32:05 PM



#30
Chloroform
Concen: 57.375 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4





#31

Cyclohexane

Concen: 55.028 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 403971

Ion Ratio Lower Upper

56 100

69 31.0 27.8 41.6

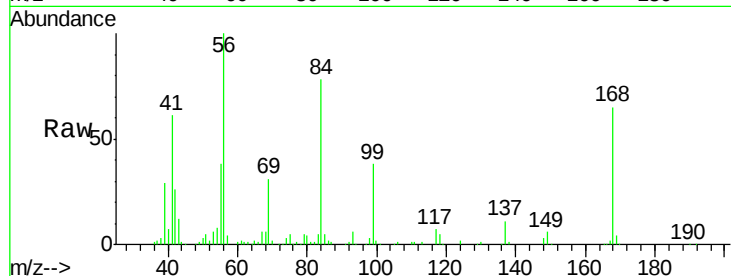
84 76.8 74.6 111.8

Manual Integrations

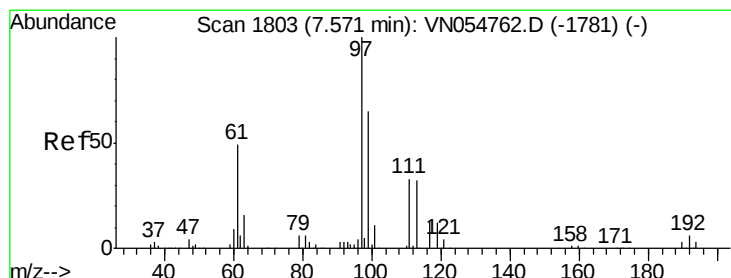
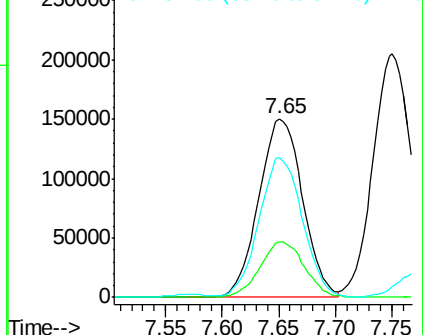
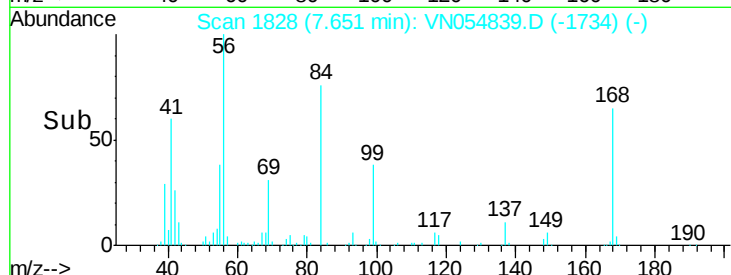
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Abundance Ion 56.00 (55.70 to 56.70): VN054839.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 56.951 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

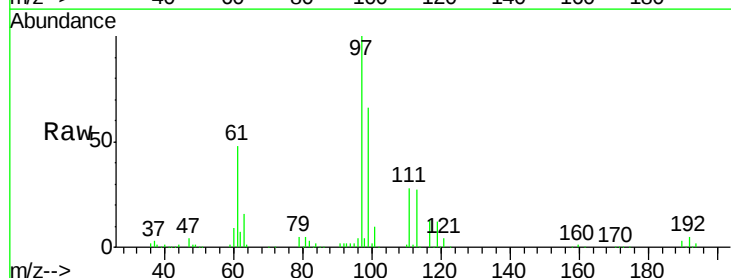
Tgt Ion: 97 Resp: 363960

Ion Ratio Lower Upper

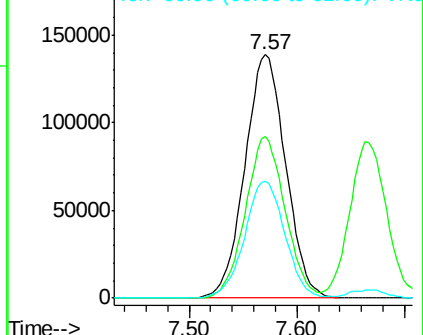
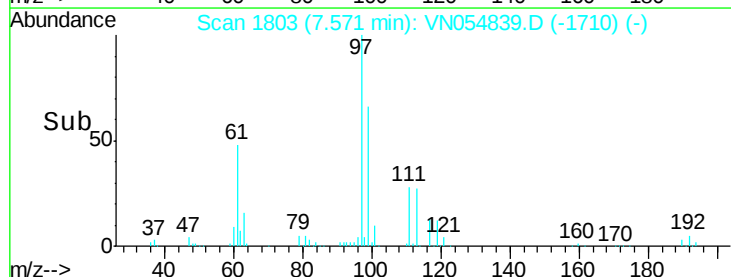
97 100

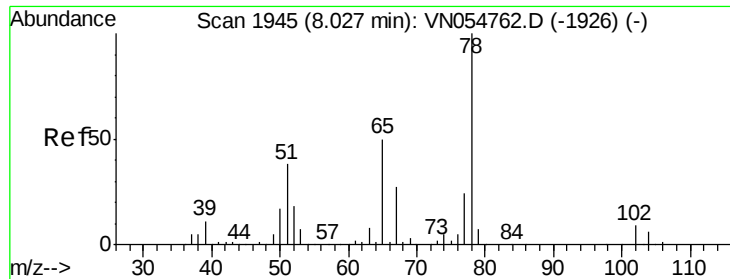
99 64.9 51.5 77.3

61 47.8 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN054839.D (-1710) (-)





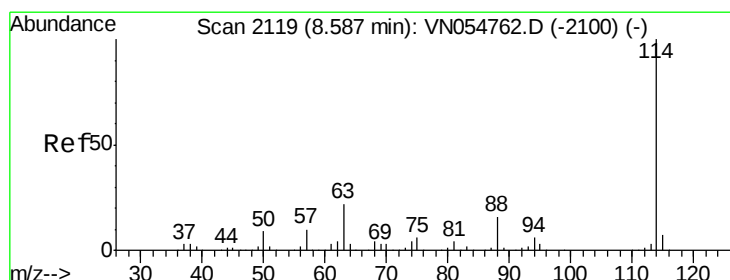
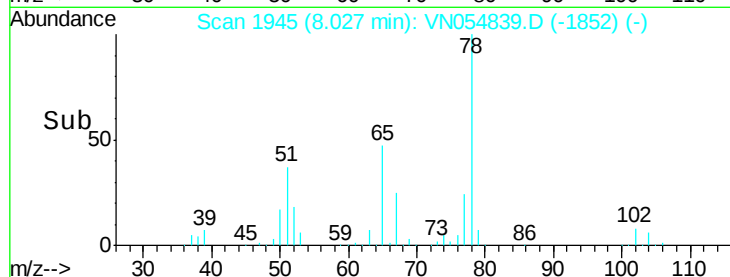
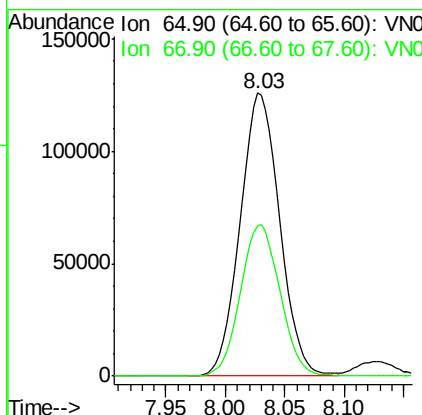
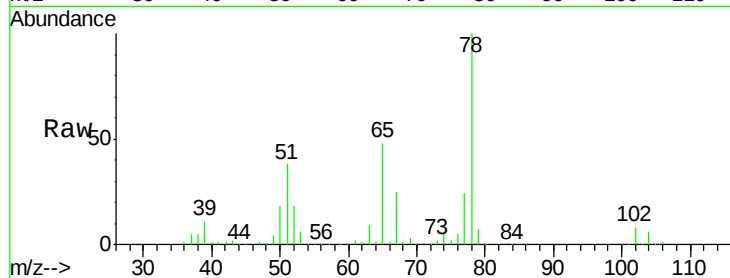
#33
 1,2-Dichloroethane-d4
 Concen: 54.391 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	290276		
67	53.7	0.0	104.6	

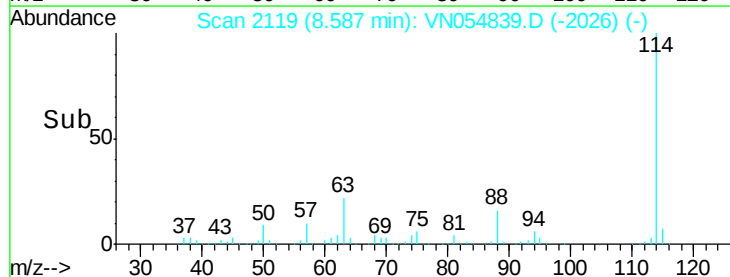
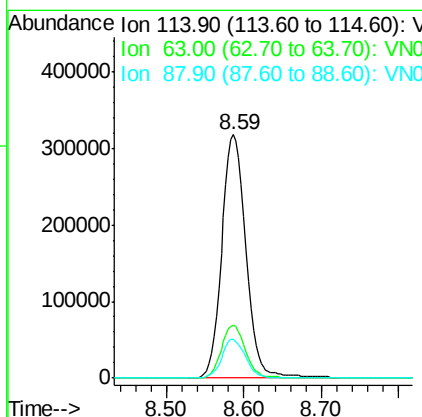
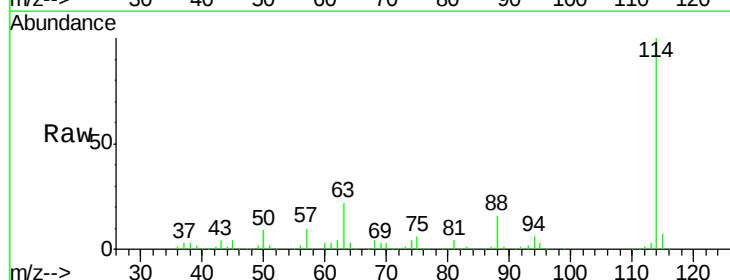
Manual Integrations
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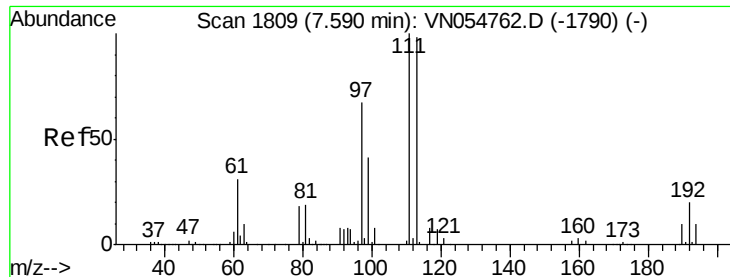
MMDadoda
 4/1/2019 1:32:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	691689		
63	21.8	0.0	35.2	
88	15.9	0.0	30.2	





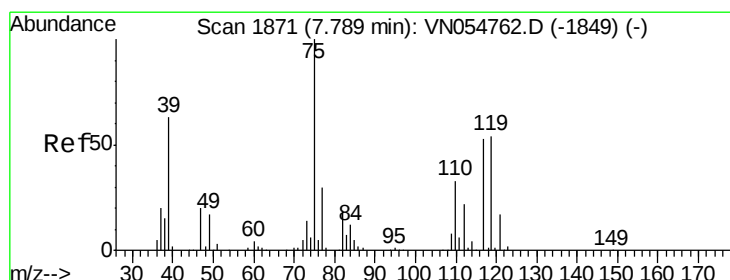
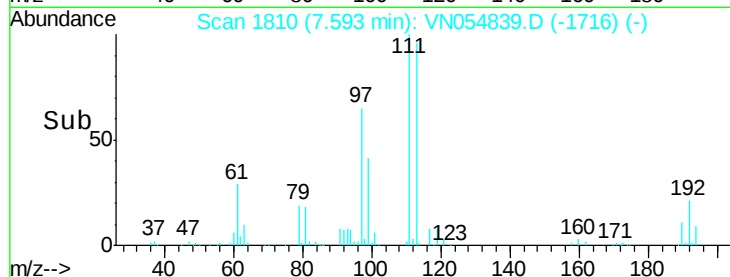
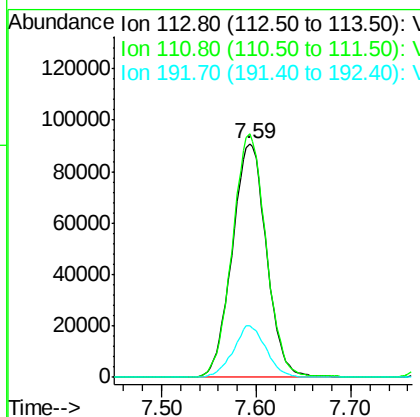
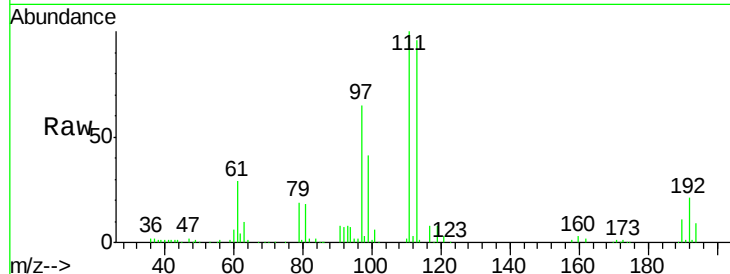
#35
Dibromofluoromethane
Concen: 49.708 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	229226		
111	102.1	82.2	123.4	
192	21.3	19.2	28.8	

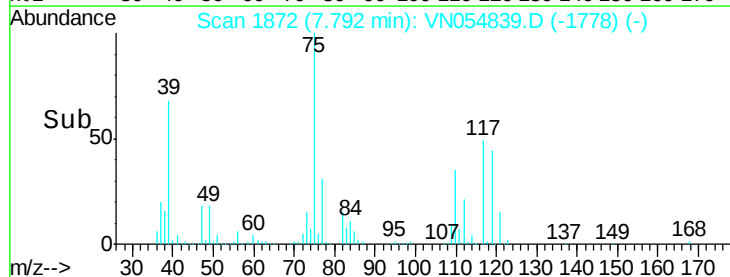
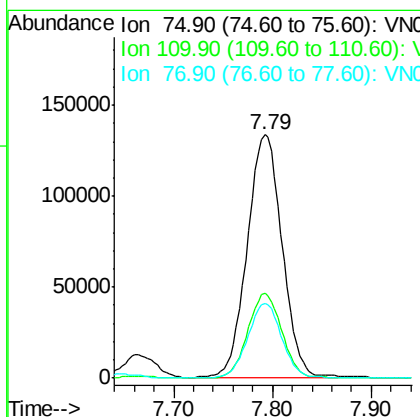
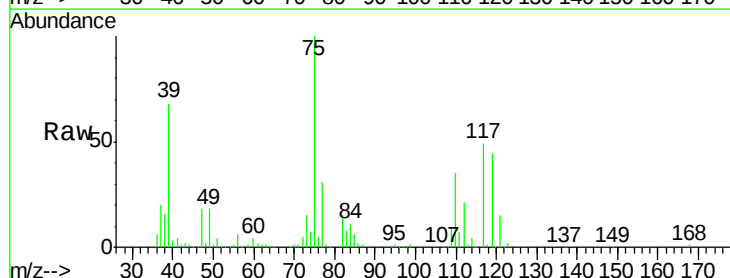
Manual Integrations
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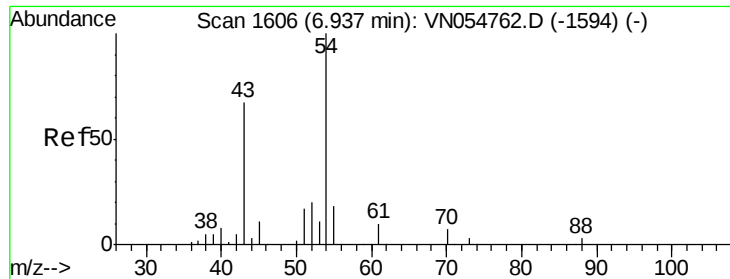
MMDadoda
4/1/2019 1:32:05 PM



#36
1,1-Dichloropropene
Concen: 50.527 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	325655		
110	34.1	19.1	57.5	
77	30.4	25.0	37.4	





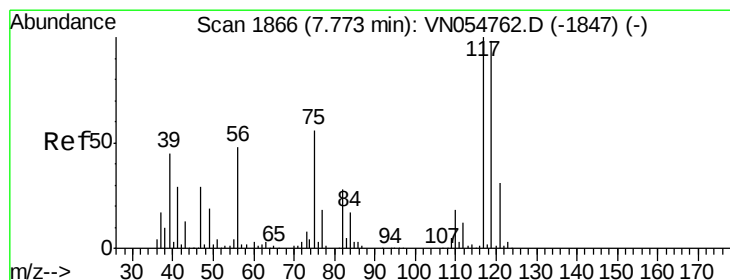
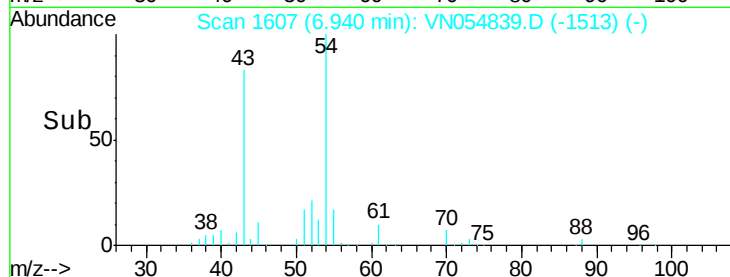
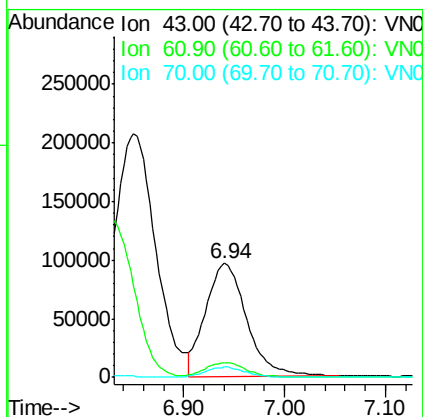
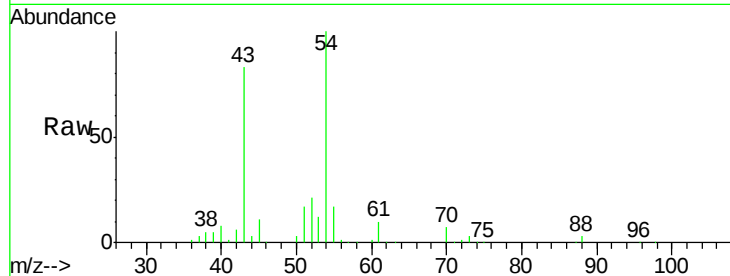
#37
Ethyl Acetate
Concen: 57.694 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.8	17.6
70	9.0	8.4	12.6

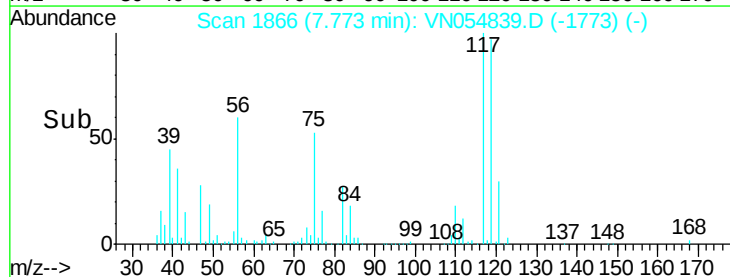
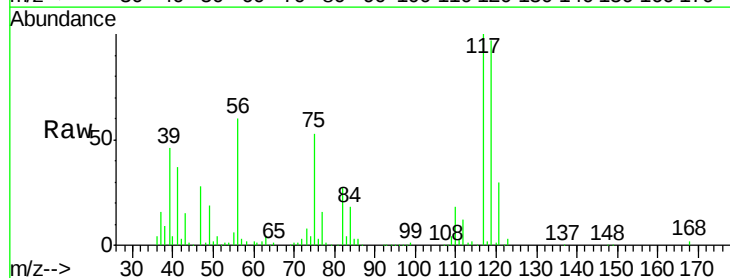
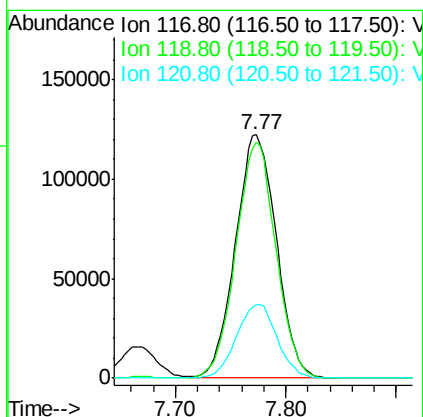
Manual Integrations
APPROVED

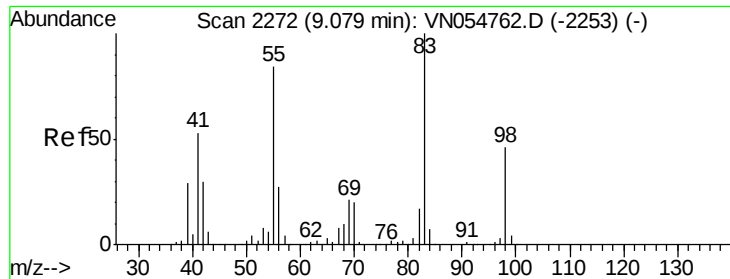
MMDadoda
4/1/2019 1:32:05 PM



#38
Carbon Tetrachloride
Concen: 50.224 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.3	114.5
121	30.1	24.6	36.8





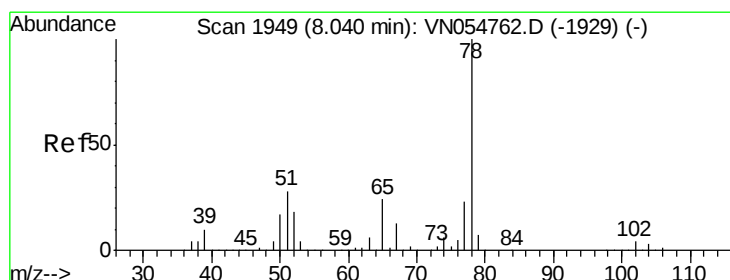
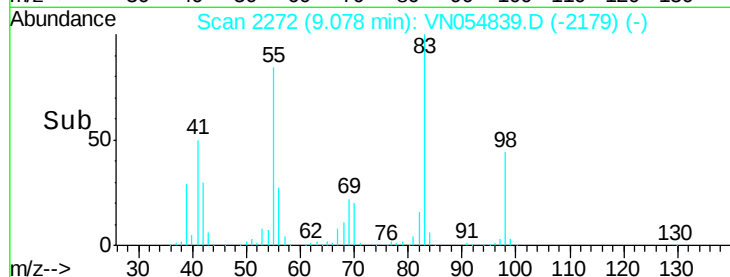
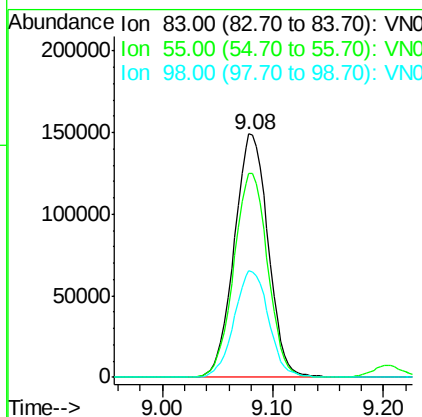
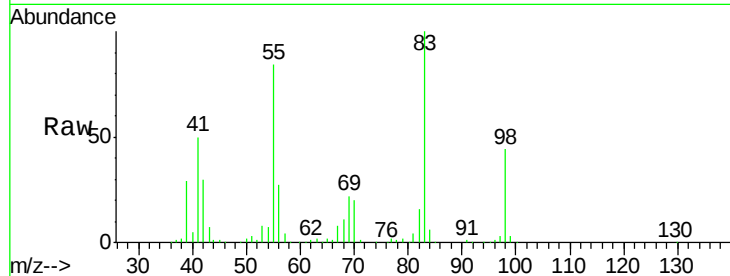
#39
Methvlcvclohexane
Concen: 44.797 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.7	56.6	84.8	
98	43.9	38.4	57.6	

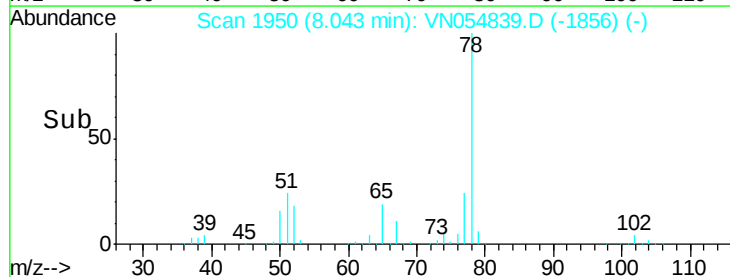
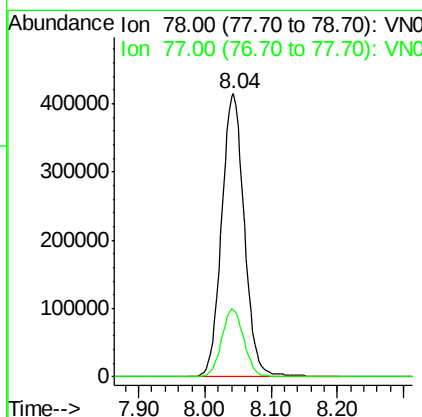
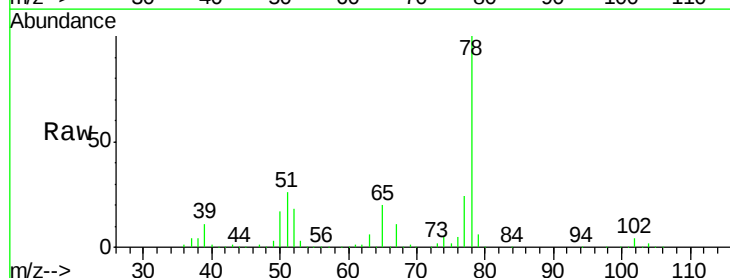
Manual Integrations
APPROVED

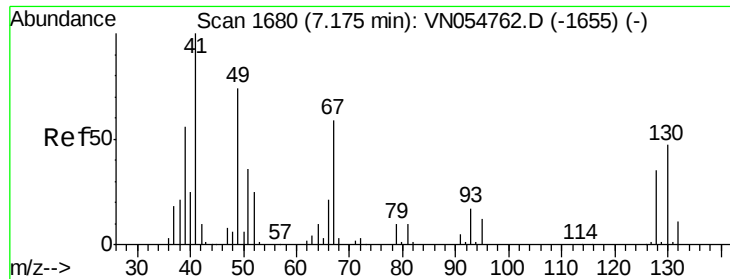
MMDadoda
4/1/2019 1:32:05 PM



#40
Benzene
Concen: 53.413 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.1	28.7	





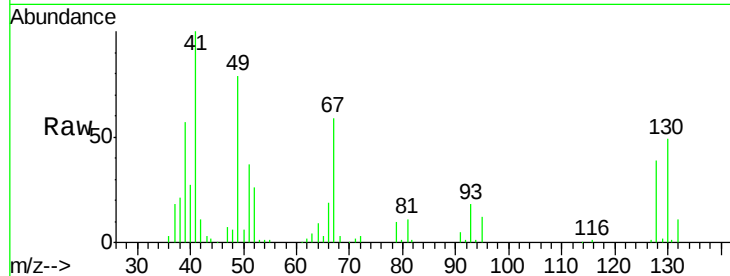
#41
Methacrylonitrile
Concen: 57.303 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

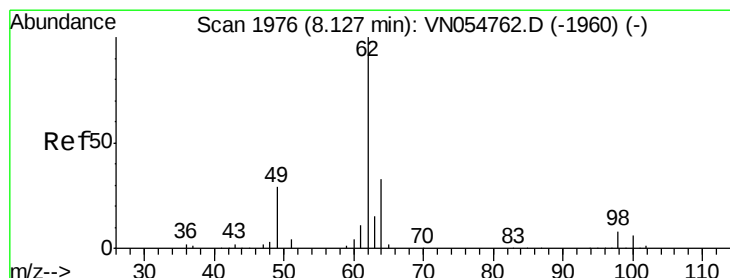
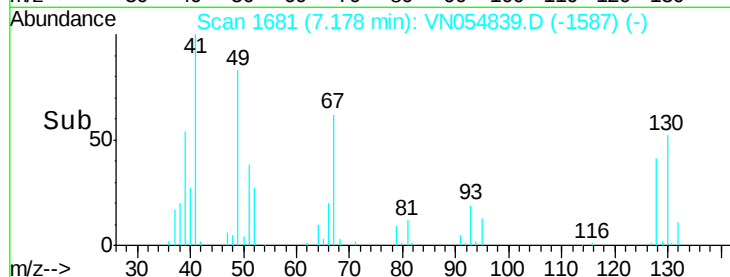
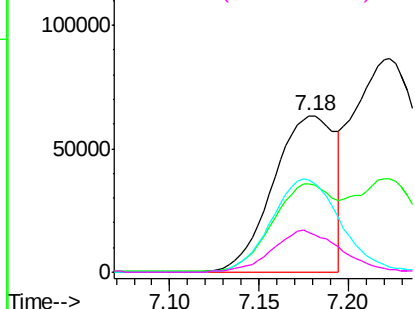
Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	46.8	70.2
67	67.0	67.0	100.4
52	30.4	26.5	39.7

Manual Integrations
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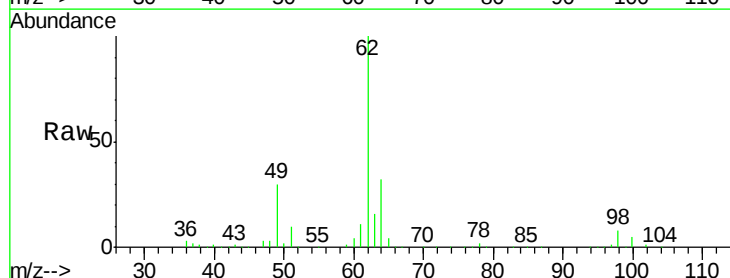


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

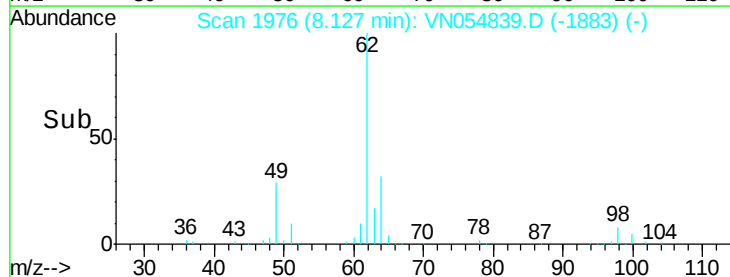
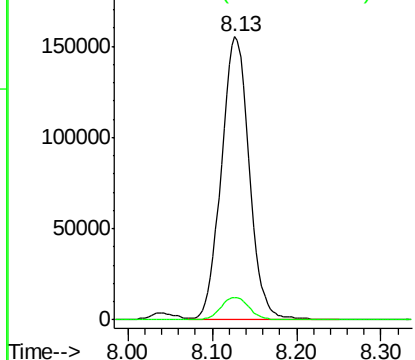


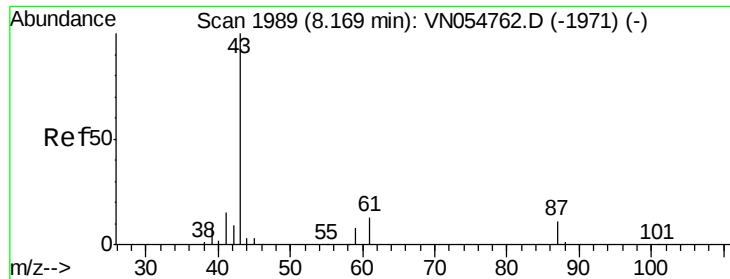
#42
1,2-Dichloroethane
Concen: 53.976 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





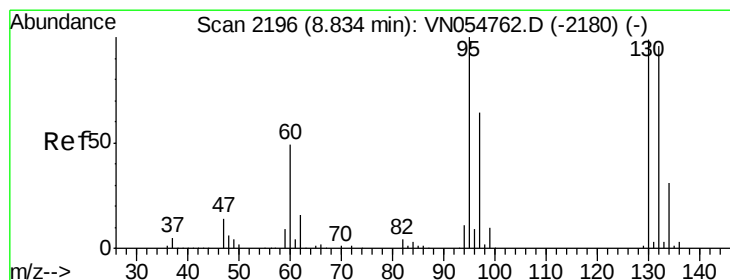
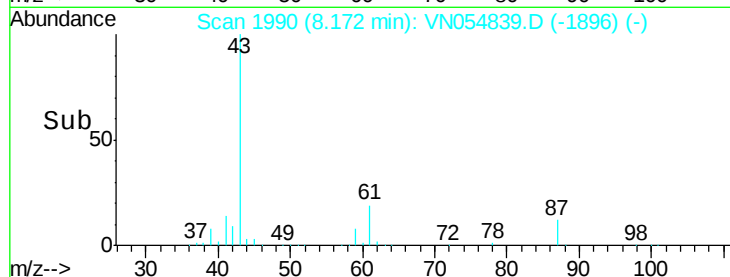
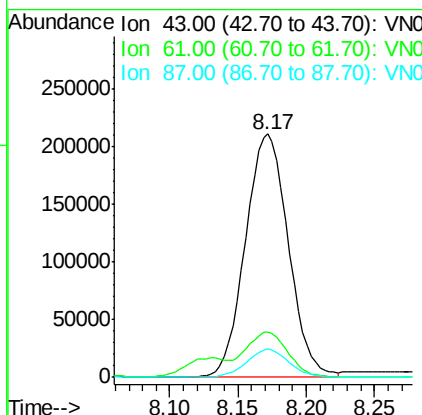
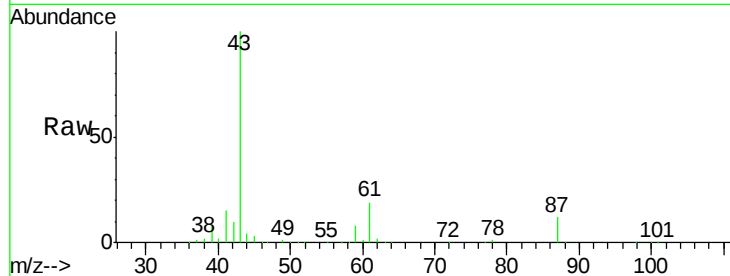
#43
Isopropyl Acetate
Concen: 59.845 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.8	23.8
87	11.4	12.0	18.0

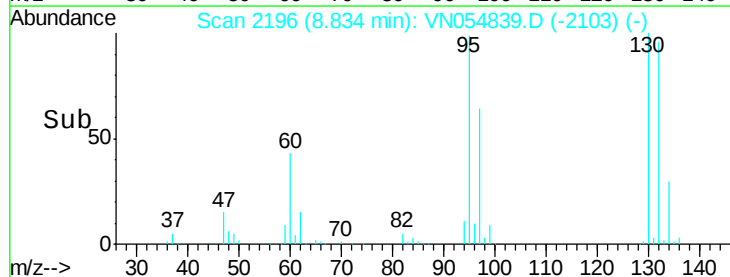
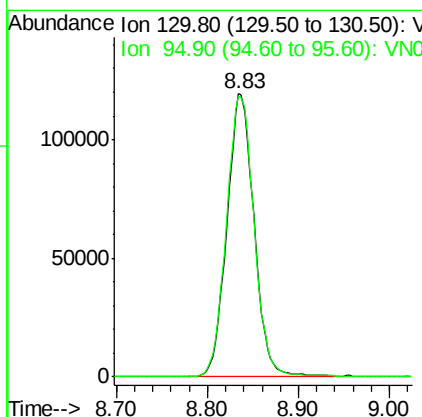
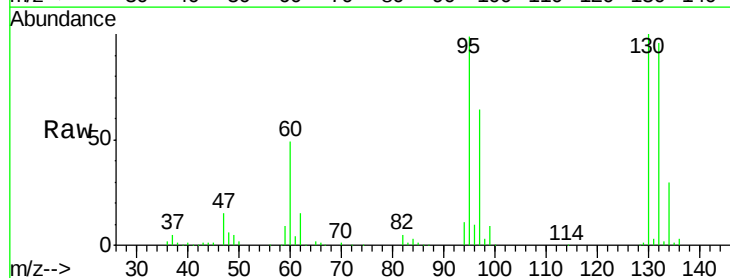
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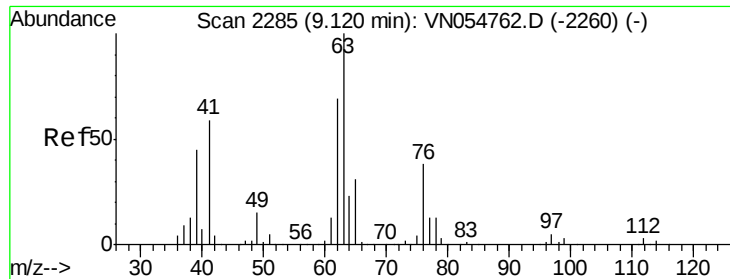
MMDadoda
4/1/2019 1:32:05 PM



#44
Trichloroethene
Concen: 51.658 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	185.2





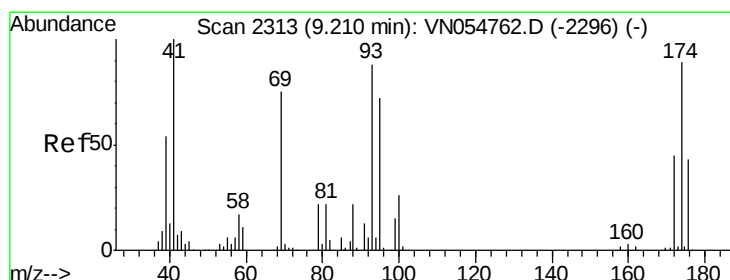
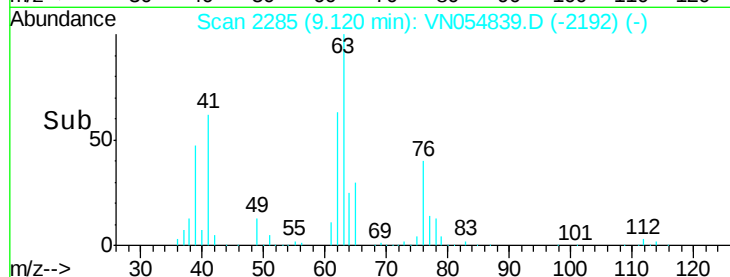
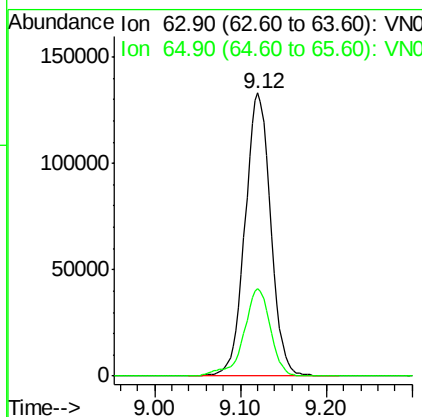
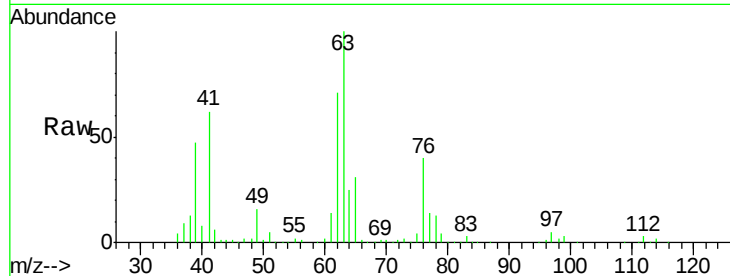
#45
 1,2-Dichloropropane
 Concen: 52.513 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 276146
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

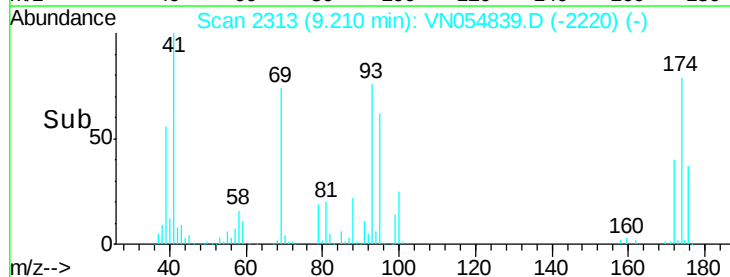
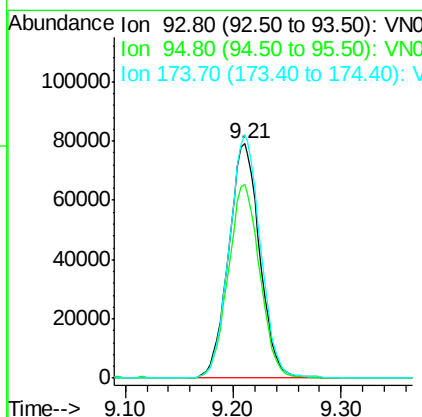
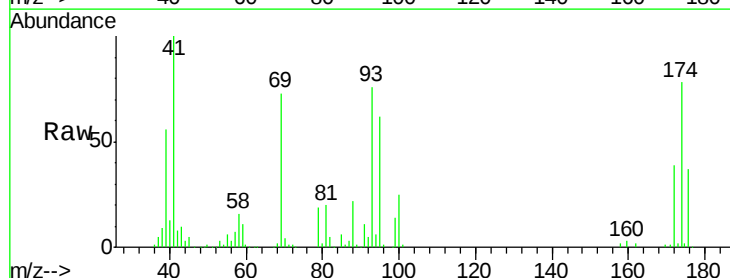
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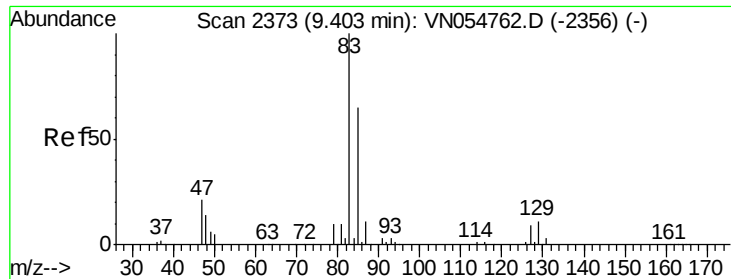
MMDadoda
 4/1/2019 1:32:05 PM



#46
 Dibromomethane
 Concen: 53.770 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 93 Resp: 159062
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 104.1 98.5 147.7





#47

Bromodichloromethane

Concen: 55.028 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

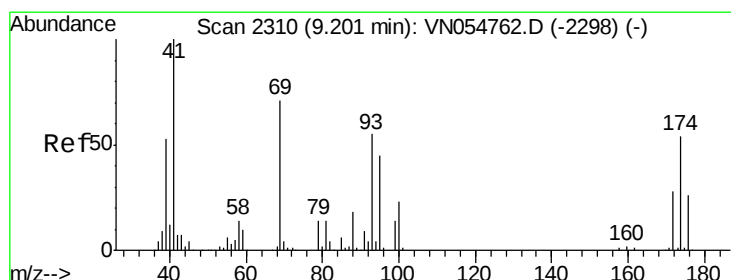
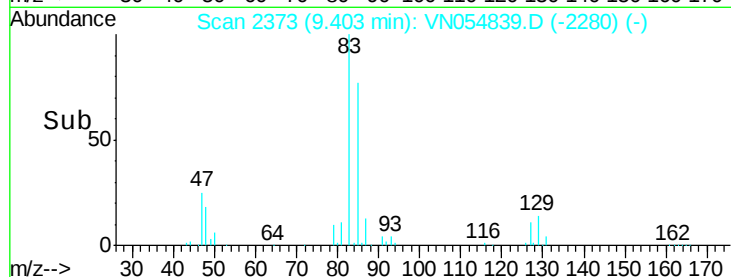
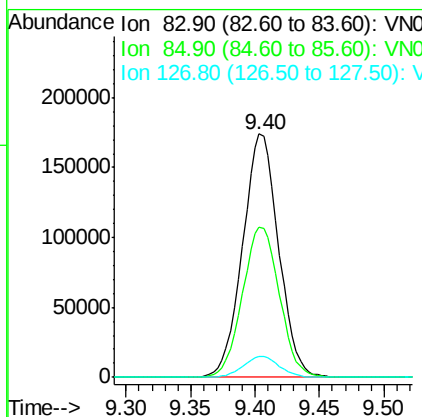
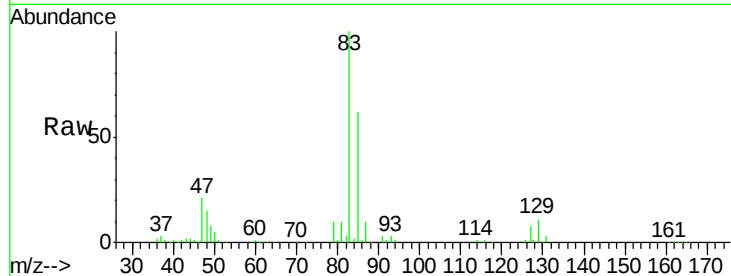
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	338308
Ion Ratio	Lower	Upper	
83	100		
85	61.9	52.8	79.2
127	8.5	7.4	11.2

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#48

Methyl methacrylate

Concen: 56.270 ug/l

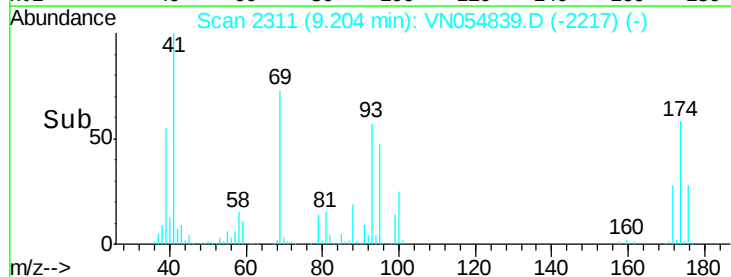
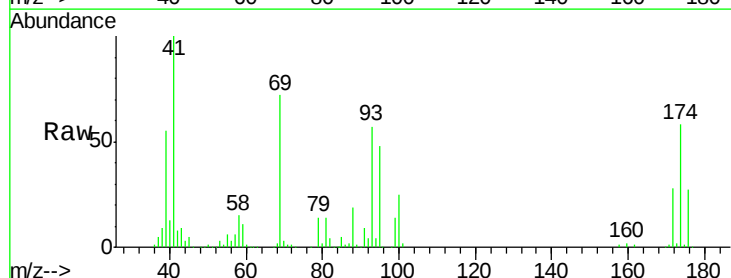
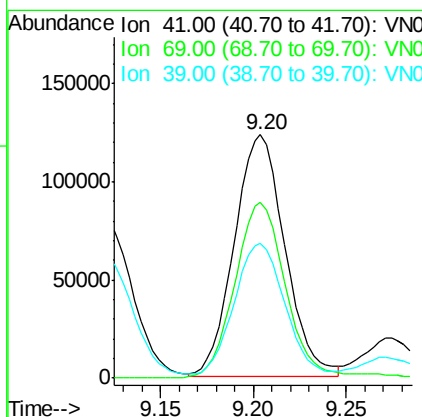
RT: 9.20 min Scan# 2311

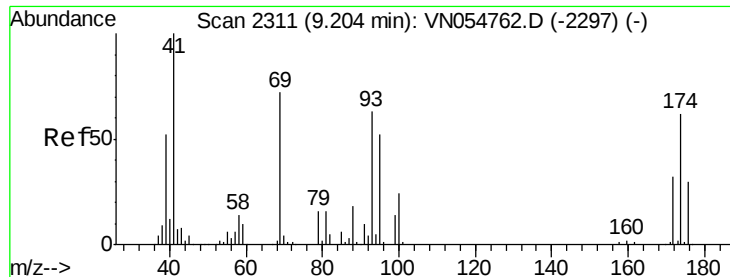
Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Tgt Ion:	41	Resp:	234253
Ion Ratio	Lower	Upper	
41	100		
69	72.3	72.6	108.8#
39	55.9	47.5	71.3





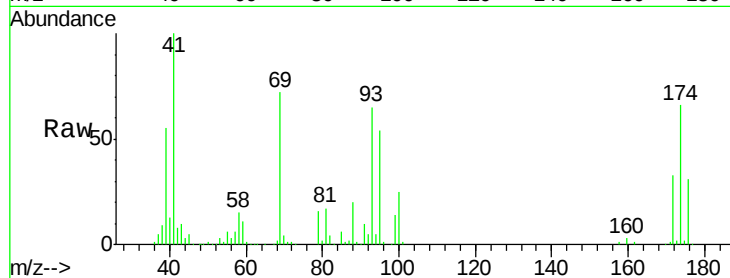
#49
1,4-Dioxane
Concen: 1234.238 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.0	24.1	36.1#
58	74.9	50.8	76.2

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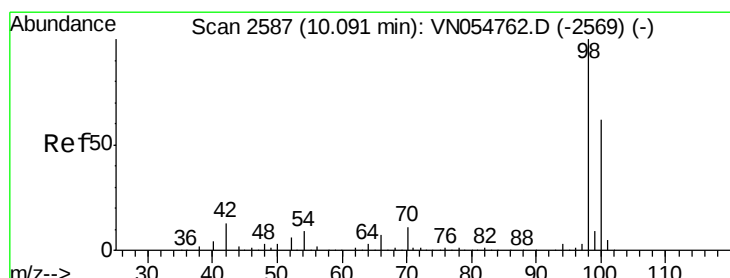
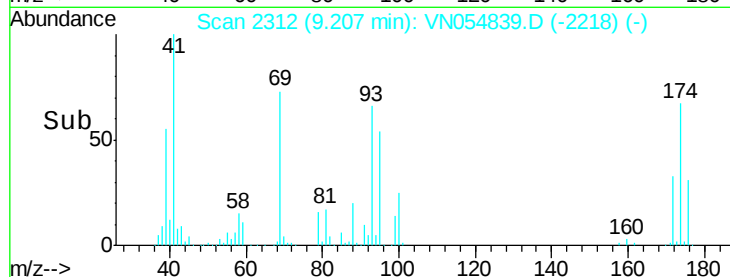
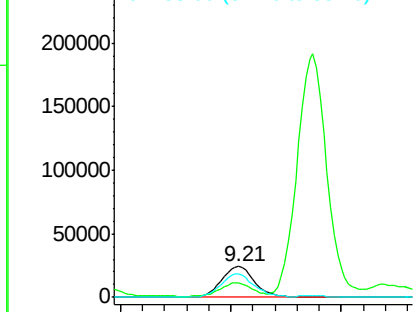


Abundance

Ion 88.00 (87.70 to 88.70): VN054839.D (-2297) (-)

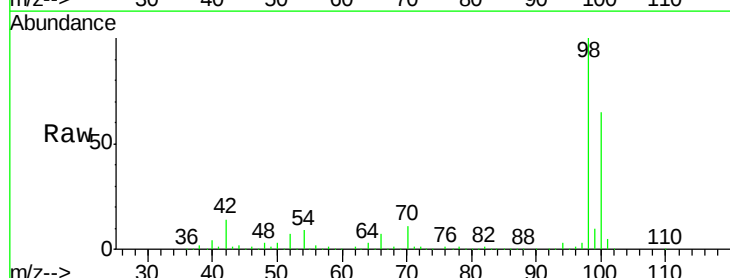
Ion 43.00 (42.70 to 43.70): VN054839.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN054839.D (-2297) (-)



#50
Toluene-d8
Concen: 49.316 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

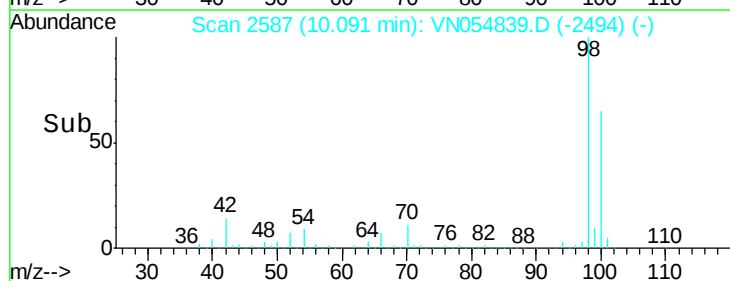
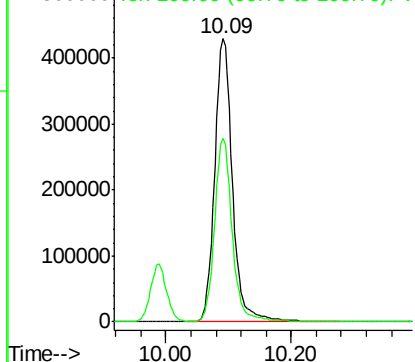
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8

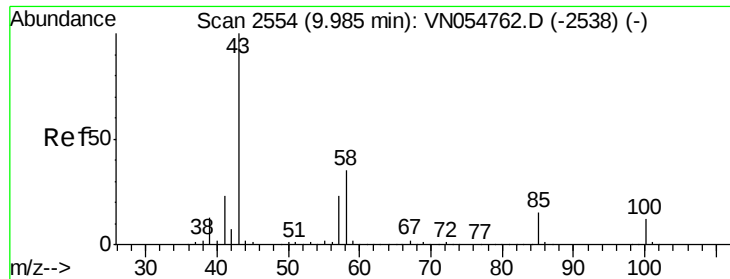


Abundance

Ion 98.00 (97.70 to 98.70): VN054839.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054839.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 308.978 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1334095

Ion Ratio Lower Upper

43 100

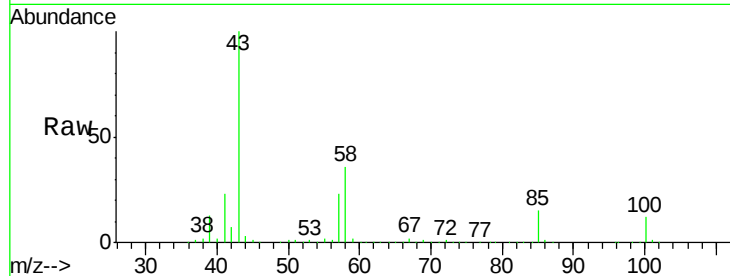
58 35.2 31.8 47.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

800000

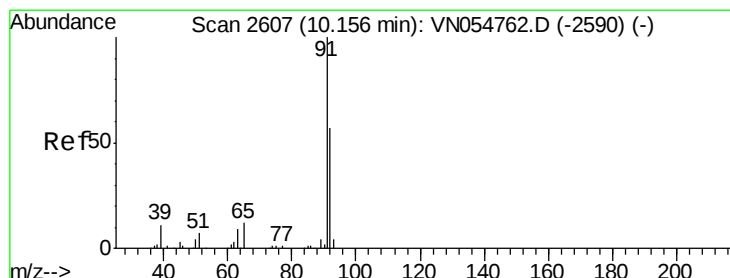
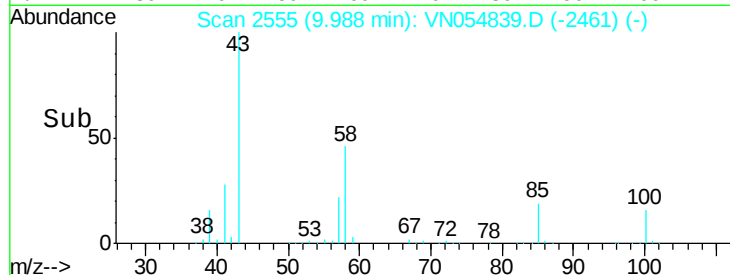
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.183 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054839.D

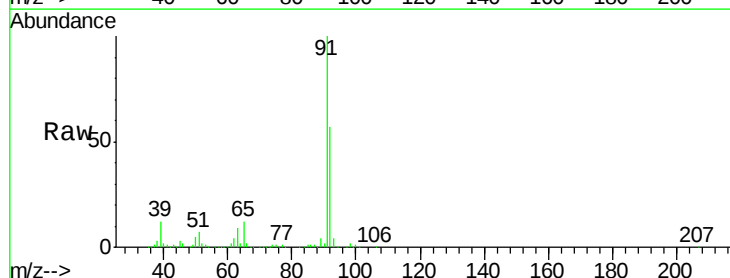
Acq: 31 Mar 2019 8:23

Tgt Ion: 92 Resp: 583621

Ion Ratio Lower Upper

92 100

91 175.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

600000

500000

400000

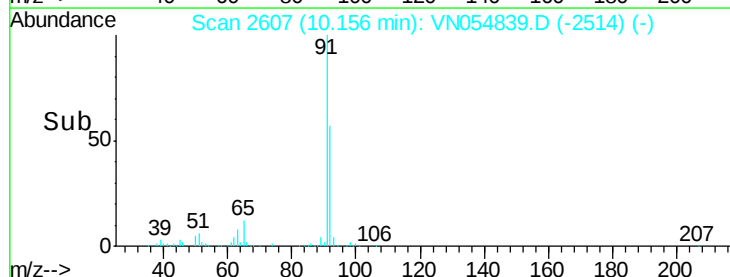
300000

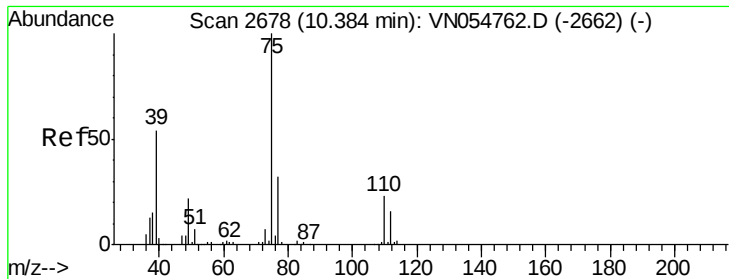
200000

100000

0

Time-->





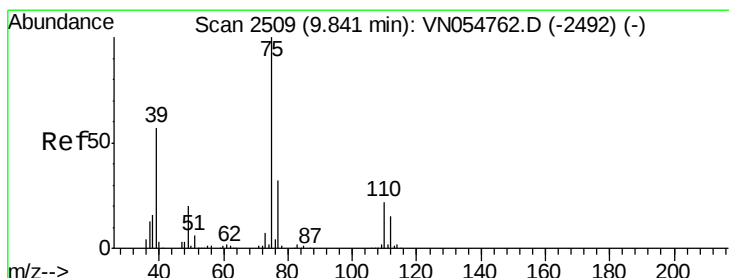
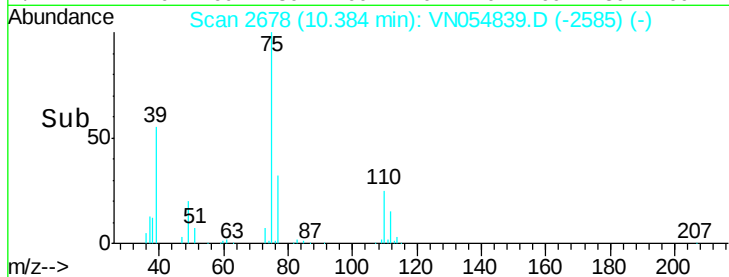
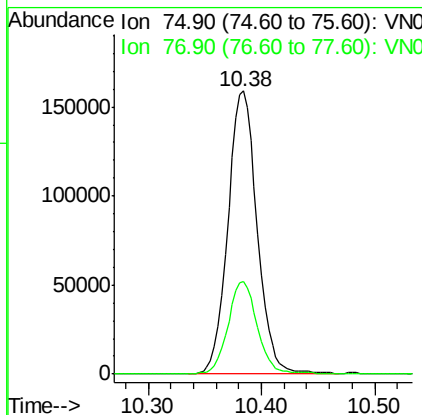
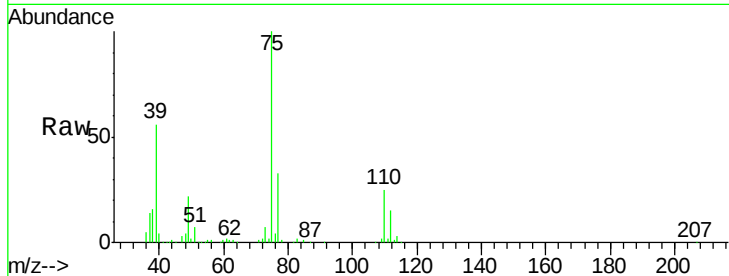
#53
t-1,3-Dichloropropene
Concen: 49.471 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8

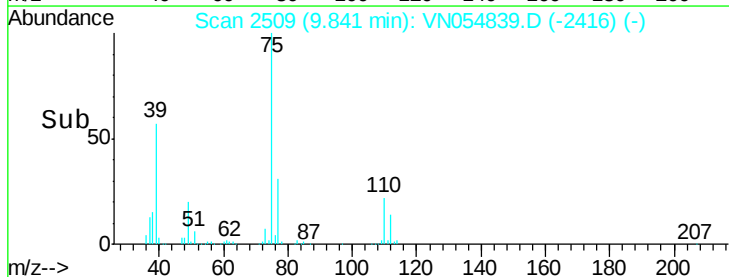
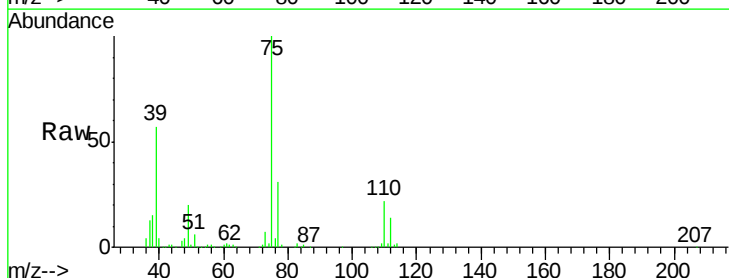
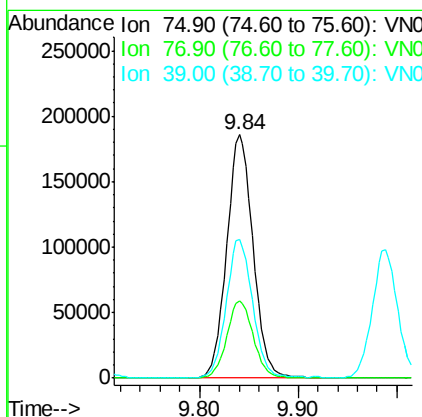
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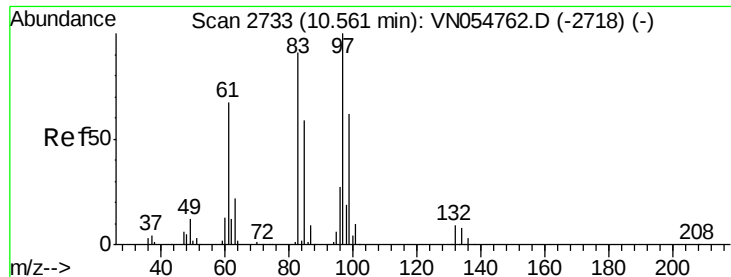
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#54
cis-1,3-Dichloropropene
Concen: 50.367 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	56.9	37.2	55.8#





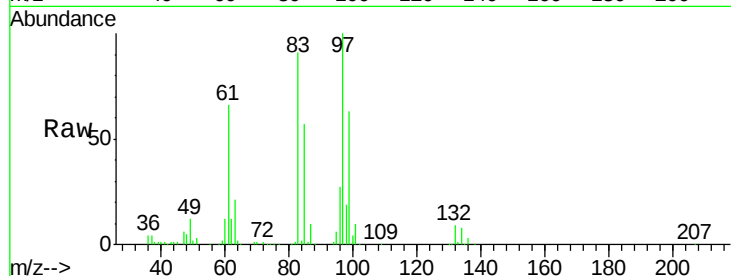
#55
 1,1,2-Trichloroethane
 Concen: 54.832 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

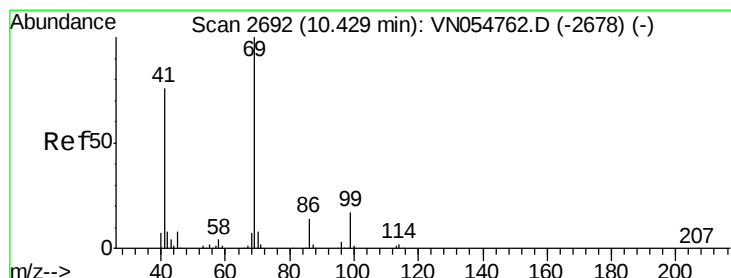
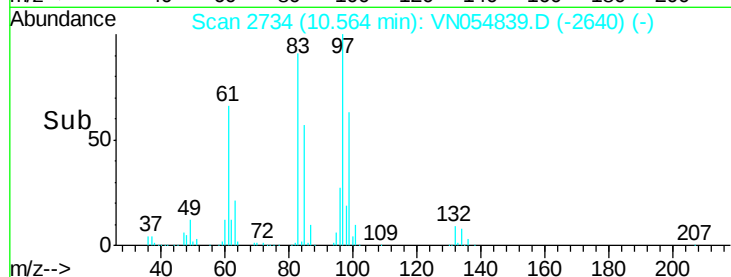
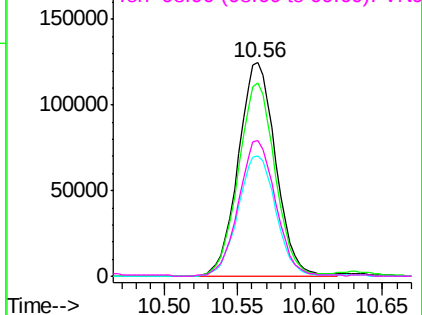
Tot Ion	97	Resp	223740
Ion	Ratio	Lower	Upper
97	100		
83	90.5	66.6	100.0
85	56.5	44.4	66.6
99	63.2	50.8	76.2

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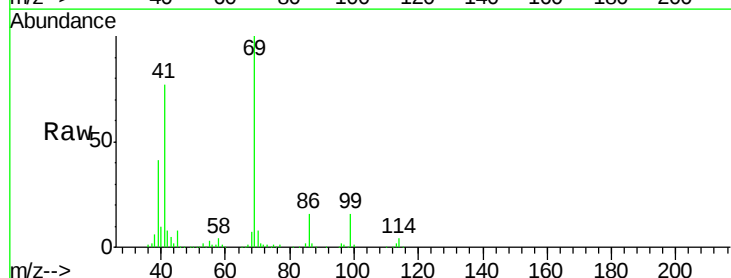


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

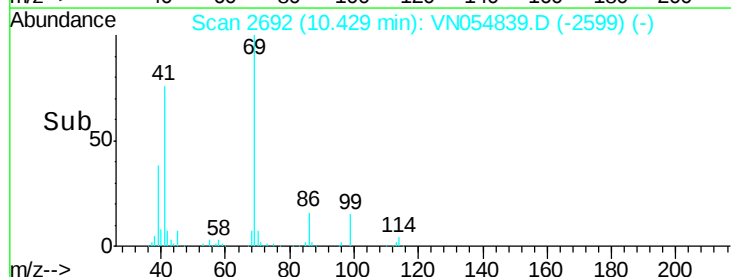
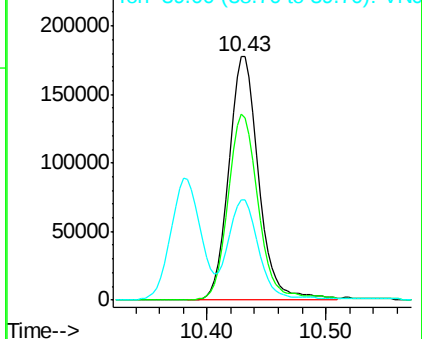


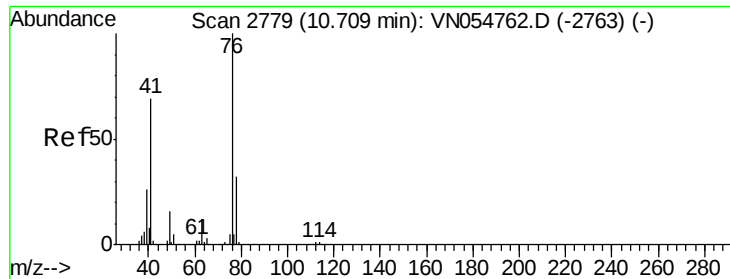
#56
 Ethyl methacrylate
 Concen: 57.910 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	69	Resp	309977
Ion	Ratio	Lower	Upper
69	100		
41	76.9	49.4	74.2#
39	39.5	28.3	42.5



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





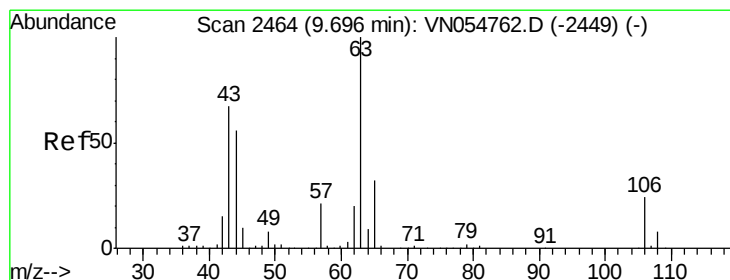
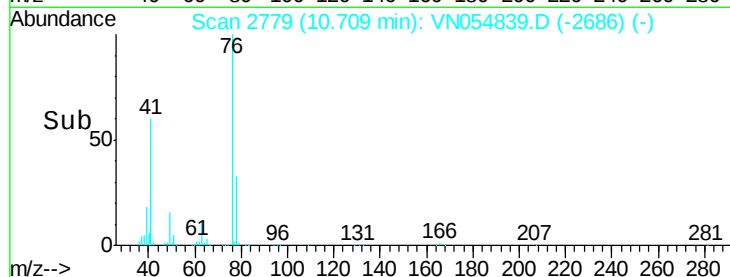
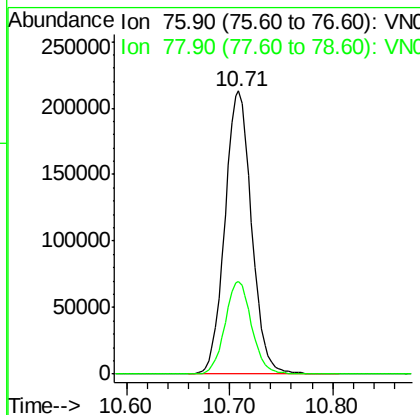
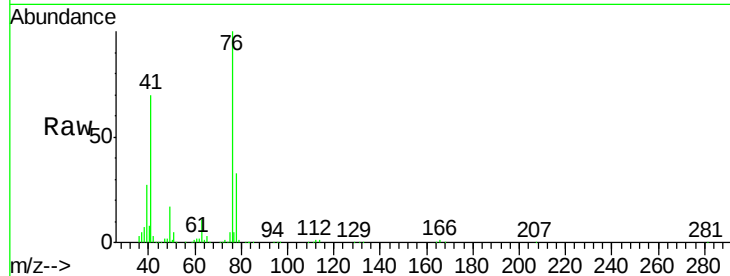
#57
 1,3-Dichloropropane
 Concen: 54.773 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.7	38.5

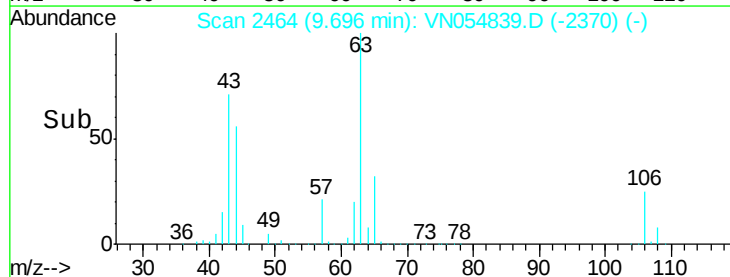
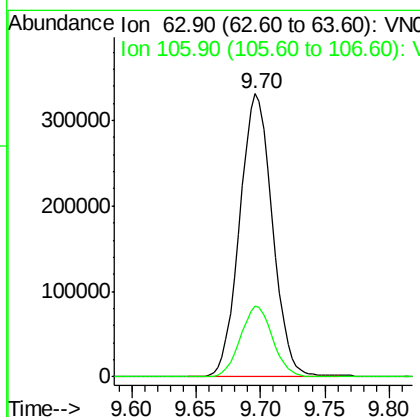
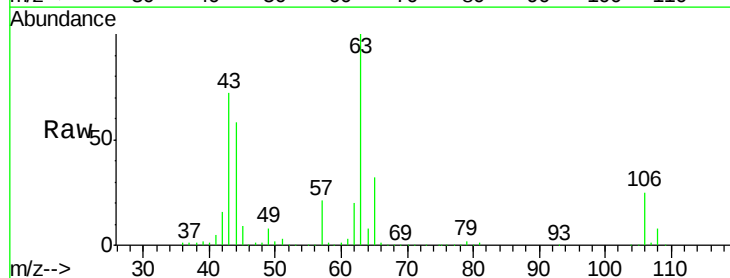
Manual Integrations
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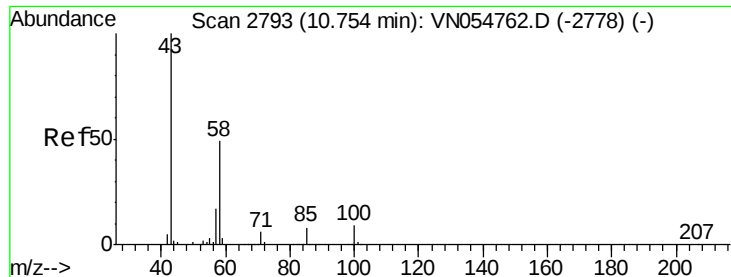
MMDadoda
 4/1/2019 1:32:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.890 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	24.4	36.6





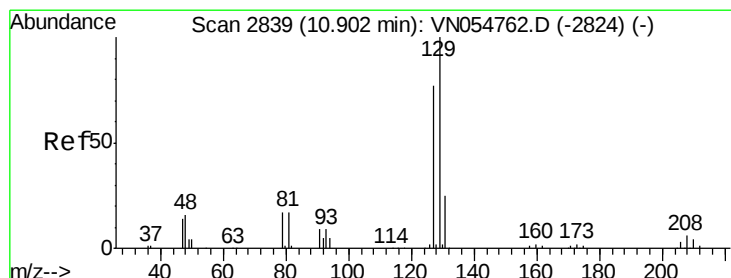
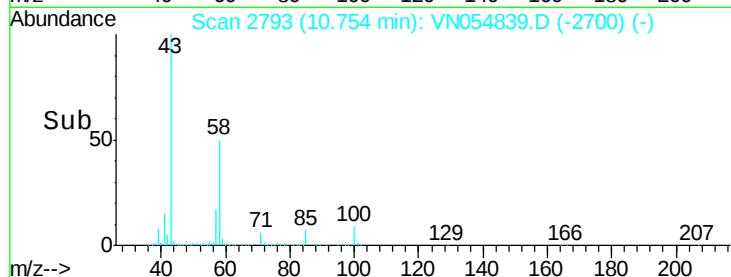
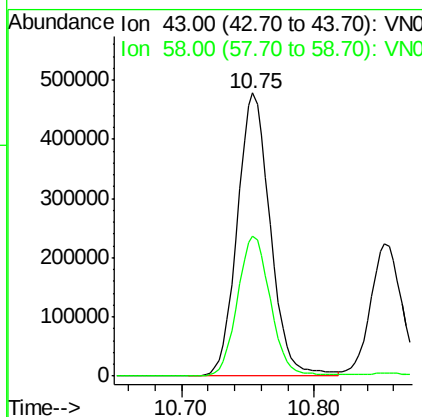
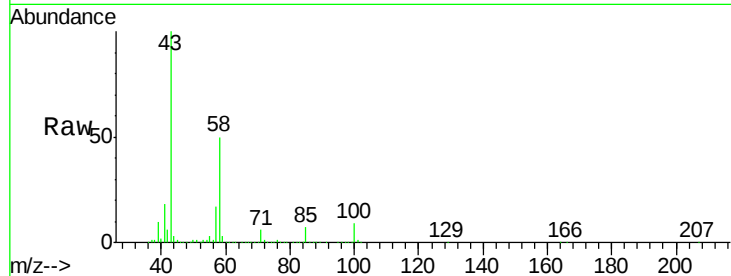
#59
2-Hexanone
Concen: 297.555 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	822461
Ion Ratio	43	100	
Lower	58	49.9	28.0
Upper			83.9

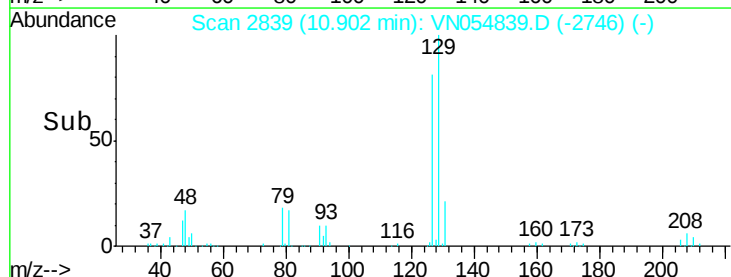
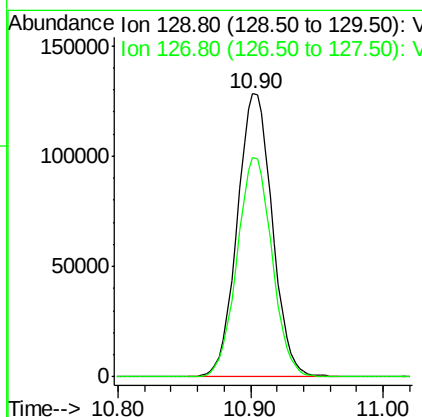
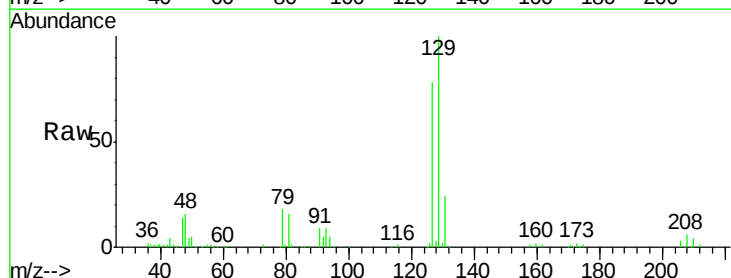
Manual Integrations
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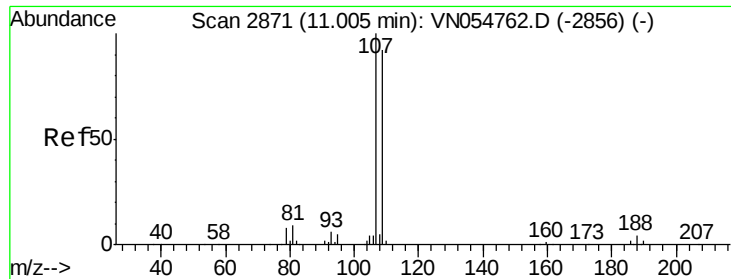
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4/1/2019 1:32:05 PM



#60
Dibromochloromethane
Concen: 56.950 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	129	Resp	235397
Ion Ratio	129	100	
Lower	127	77.3	38.6
Upper			115.8





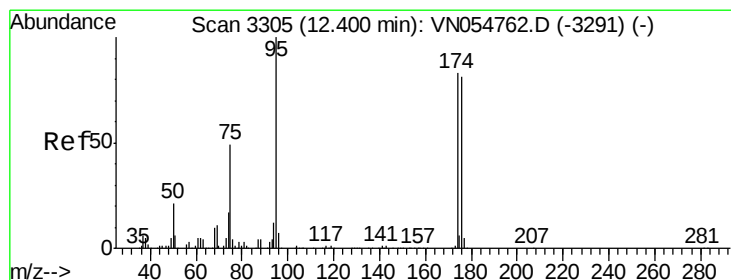
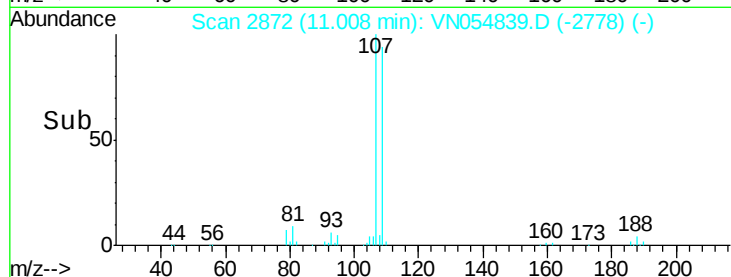
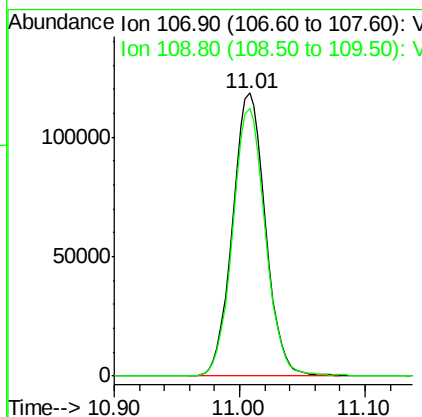
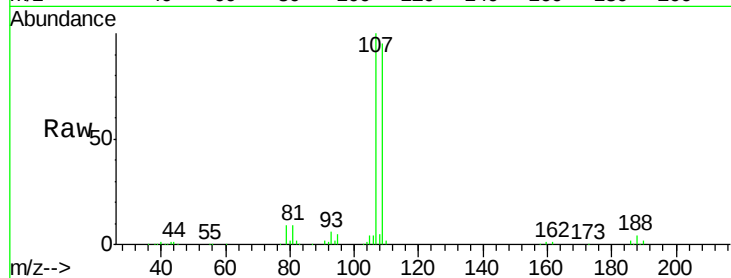
#61
 1,2-Dibromoethane
 Concen: 55.335 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

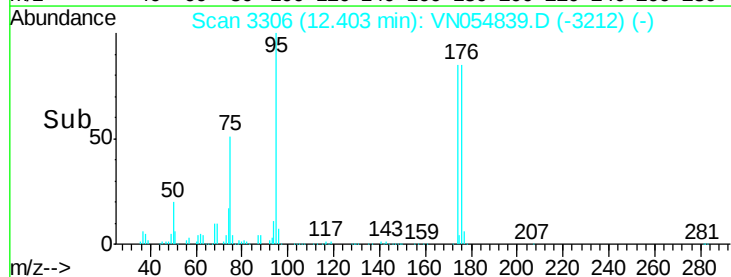
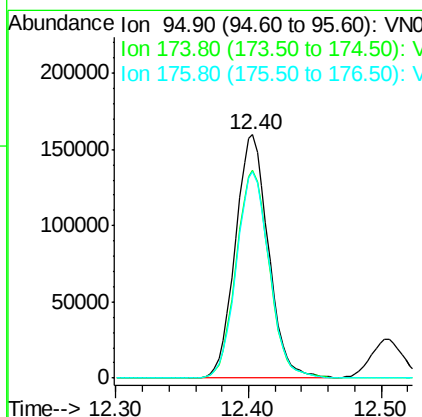
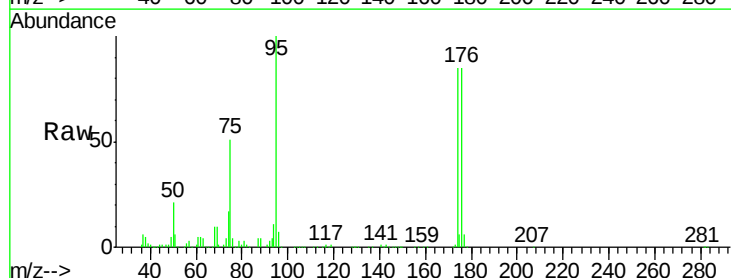
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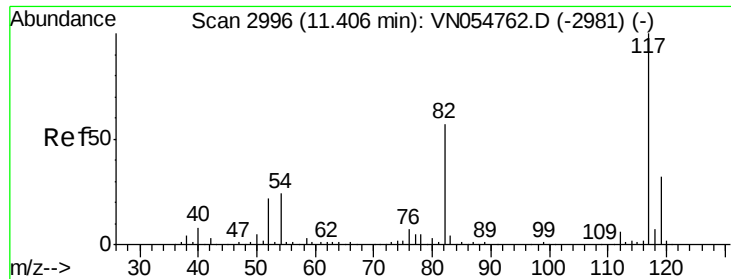
MMDadoda
 4/1/2019 1:32:05 PM



#62
 4-Bromofluorobenzene
 Concen: 48.645 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	191.0
176	84.2	0.0	187.4





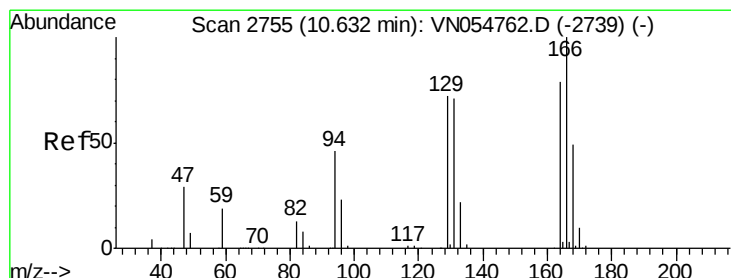
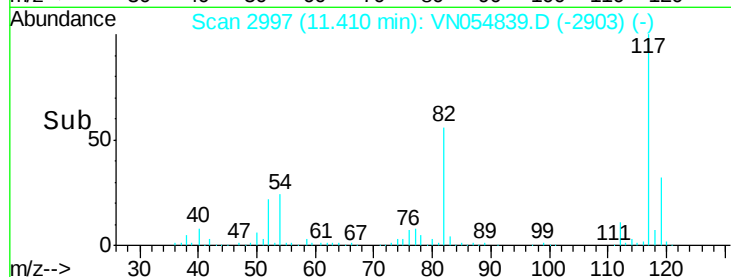
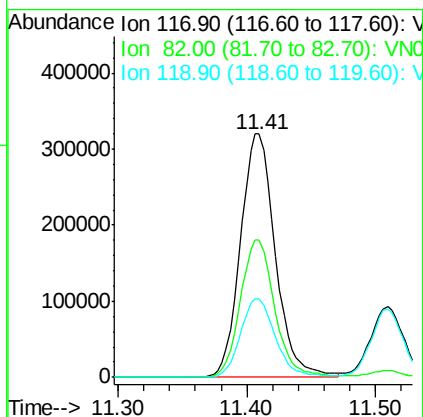
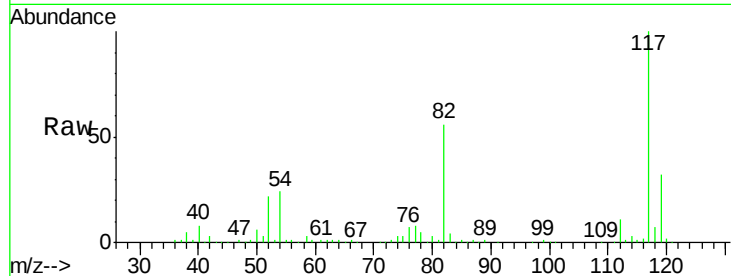
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	40.0	60.0
119	32.1	25.8	38.6

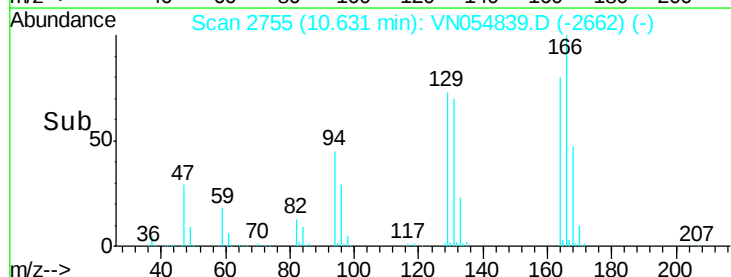
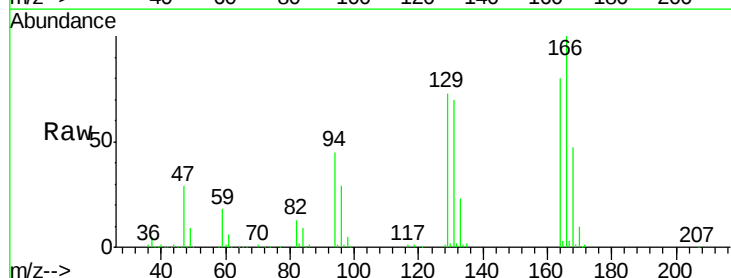
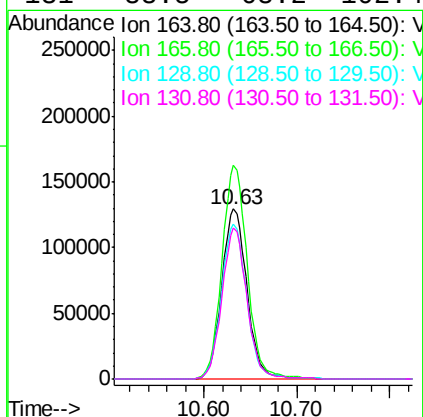
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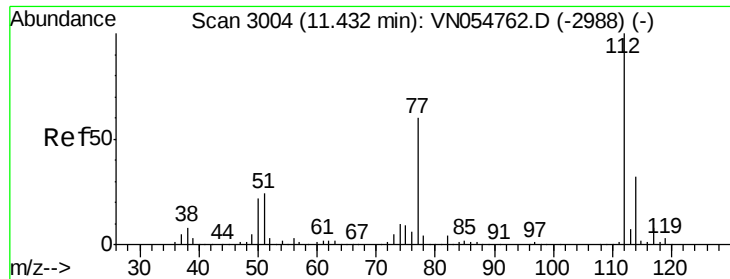
MMDadoda
4/1/2019 1:32:05 PM



#64
Tetrachloroethene
Concen: 53.028 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	103.9	155.9
129	91.2	71.1	106.7
131	88.5	68.2	102.4





#65

Chlorobenzene

Concen: 50.990 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 599605

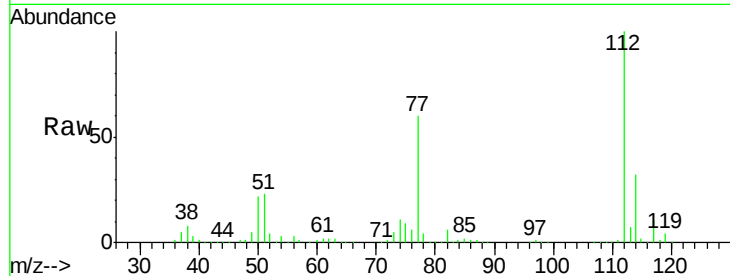
Ion Ratio Lower Upper

112 100

114 32.4 25.9 38.9

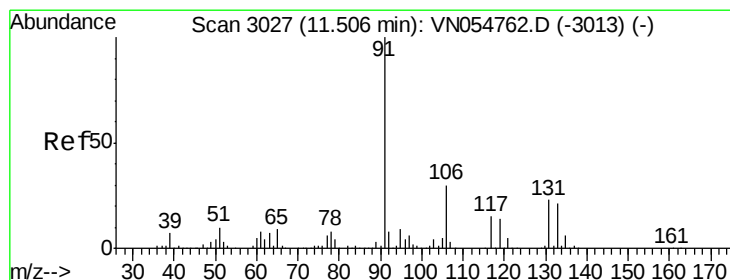
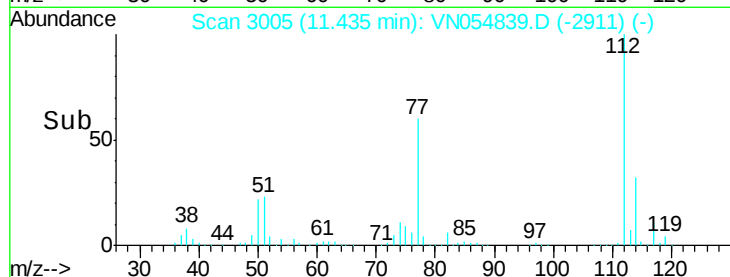
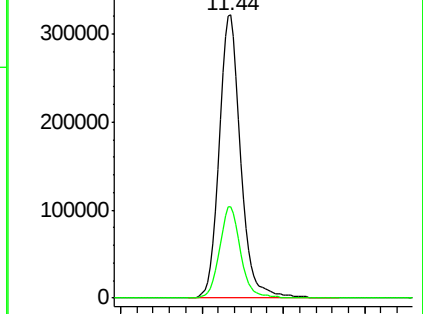
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.507 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

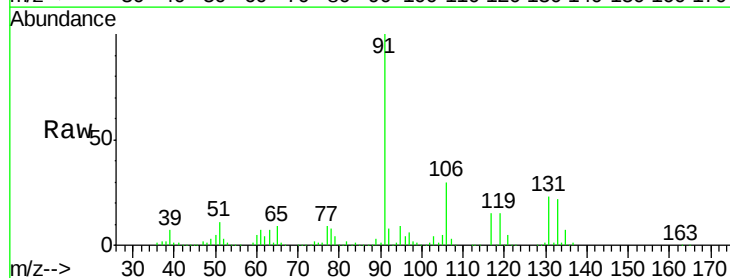
Tgt Ion:131 Resp: 239911

Ion Ratio Lower Upper

131 100

133 94.3 47.6 142.9

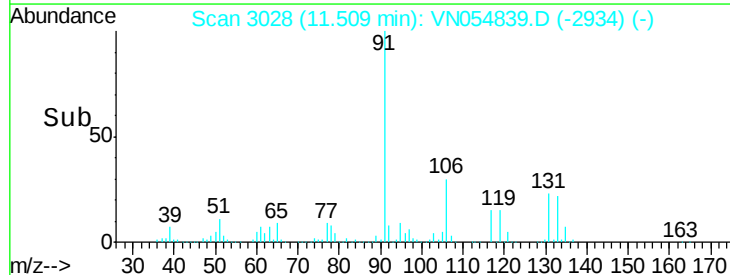
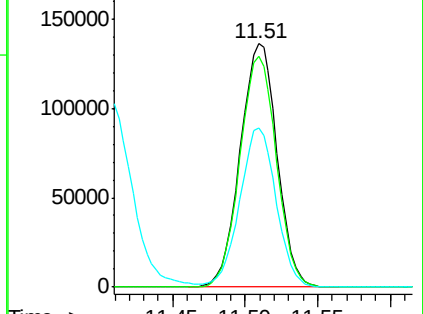
119 64.8 32.4 97.0

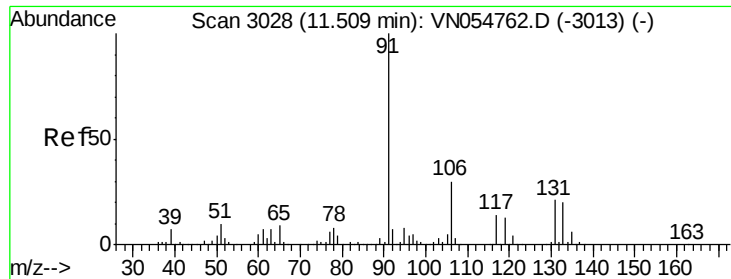


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





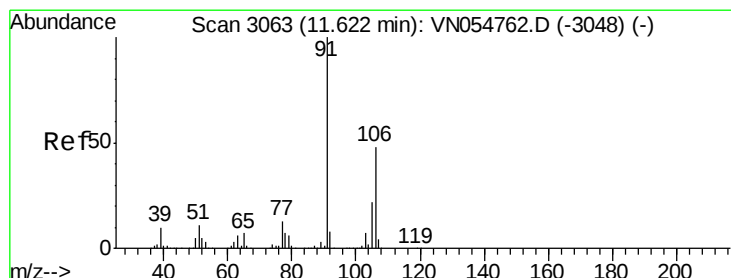
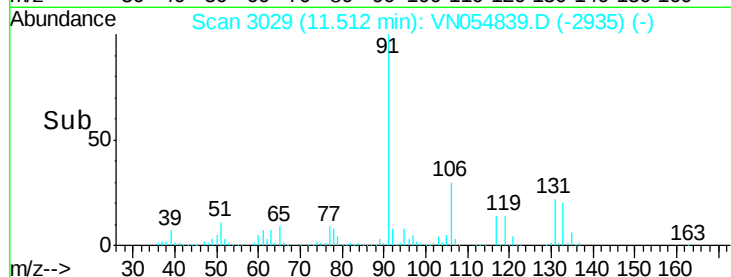
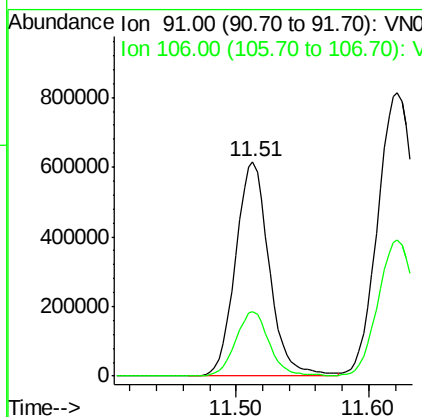
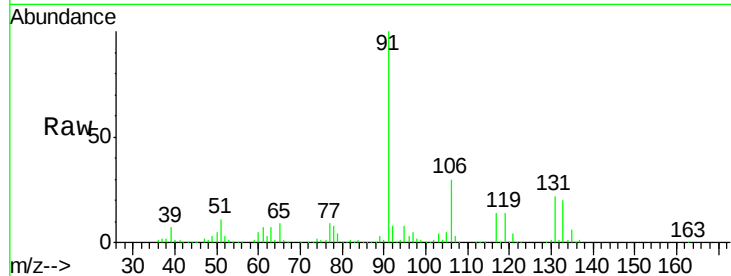
#67
Ethyl Benzene
Concen: 51.181 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1086058
Ion Ratio Lower Upper
91 100
106 30.2 25.5 38.3

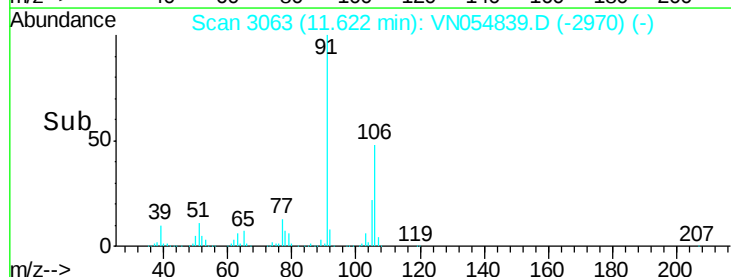
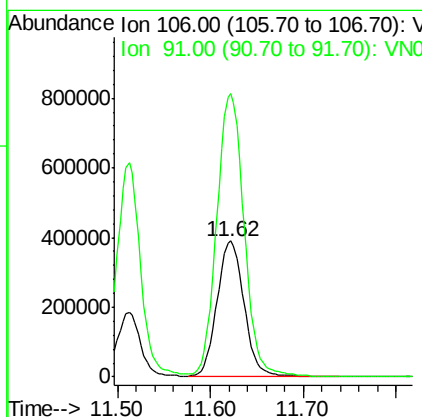
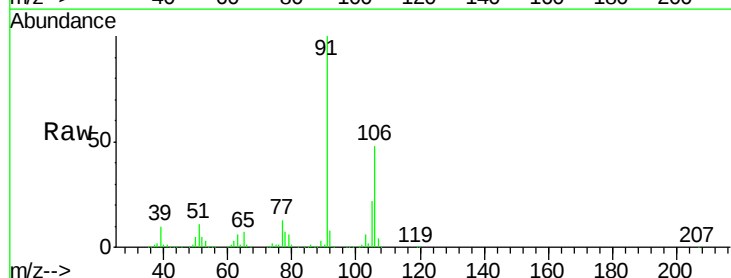
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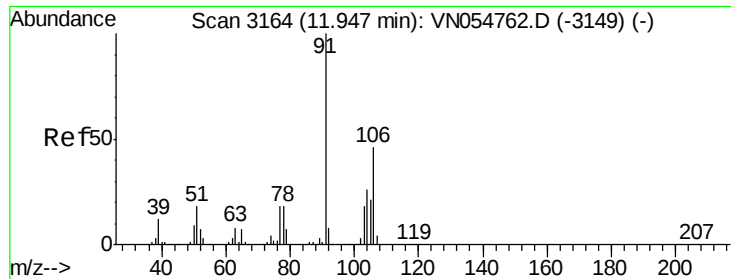
MMDadoda
4/1/2019 1:32:05 PM



#68
m/p-Xylenes
Concen: 100.957 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 106 Resp: 792800
Ion Ratio Lower Upper
106 100
91 210.4 159.4 239.2





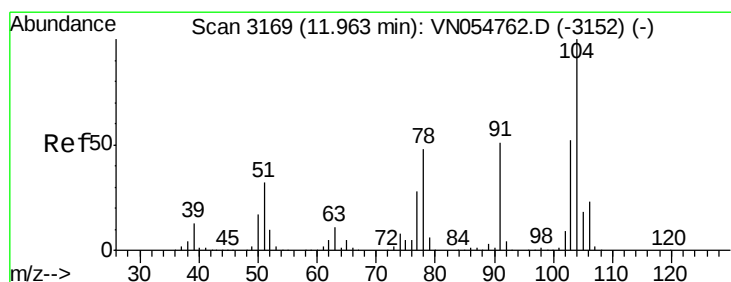
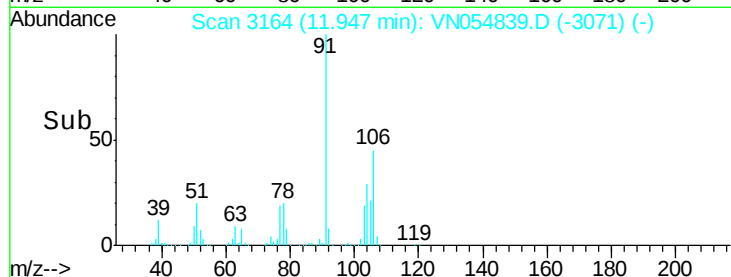
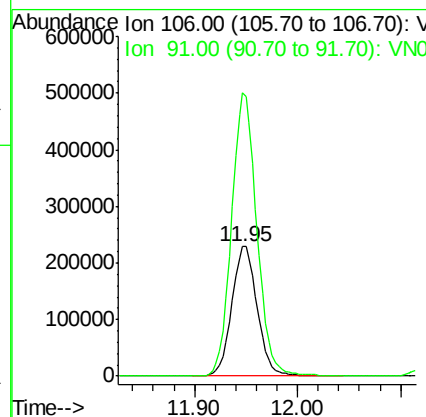
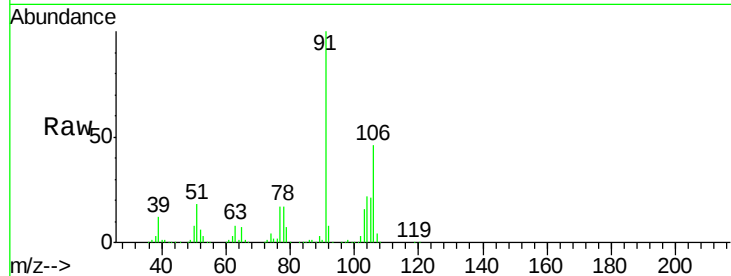
#69
o-Xylene
Concen: 51.178 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 394094
Ion Ratio Lower Upper
106 100
91 217.0 105.7 317.1

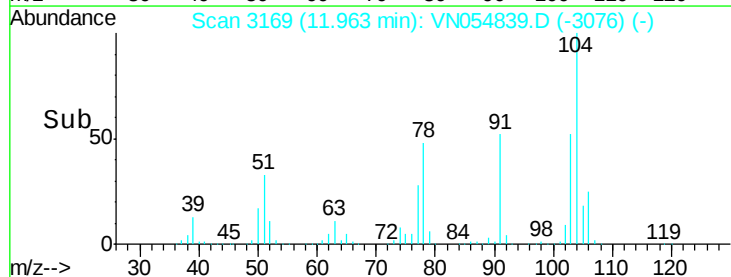
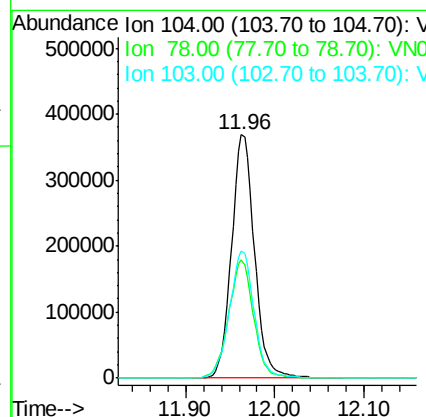
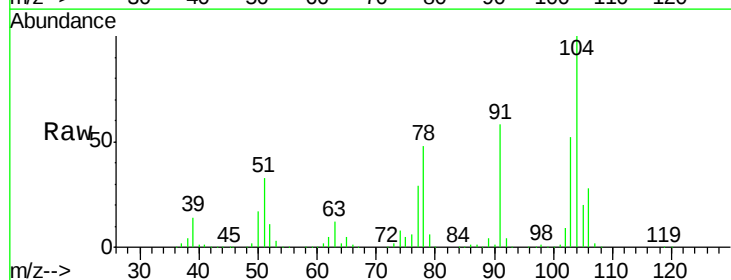
Manual Integrations
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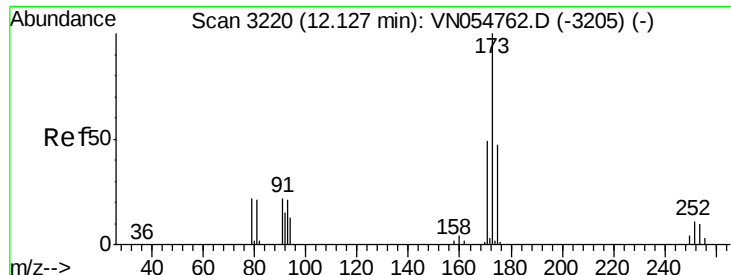
MMDadoda
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#70
Styrene
Concen: 53.382 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion:104 Resp: 657262
Ion Ratio Lower Upper
104 100
78 52.6 38.2 57.2
103 56.2 44.4 66.6





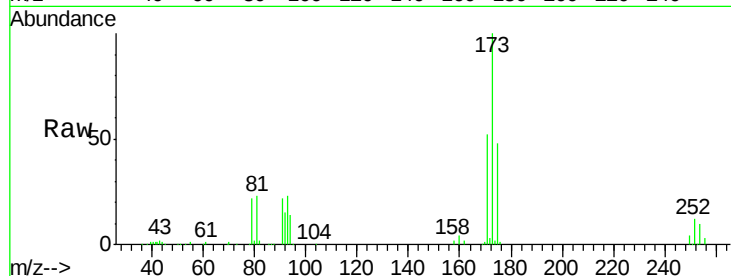
#71
Bromoform
Concen: 56.846 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

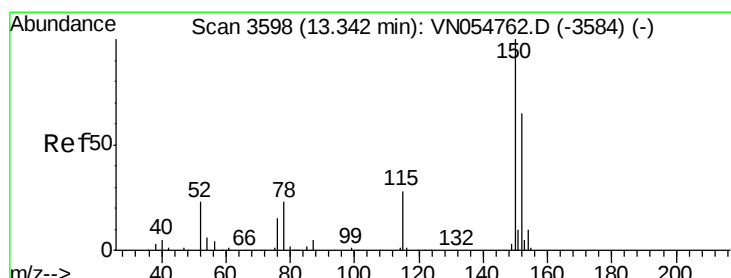
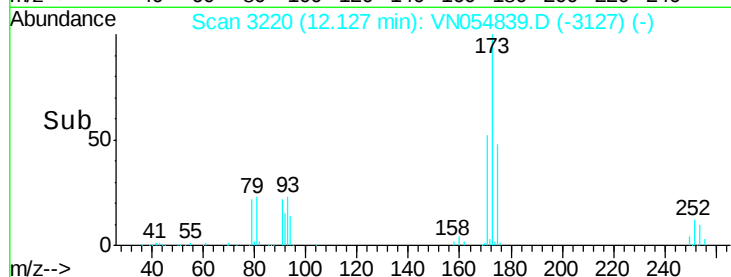
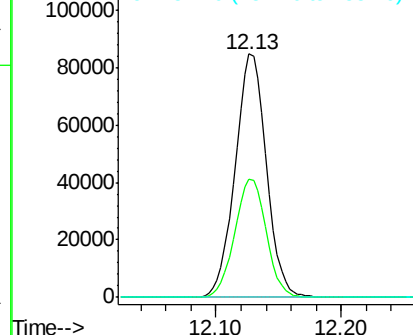
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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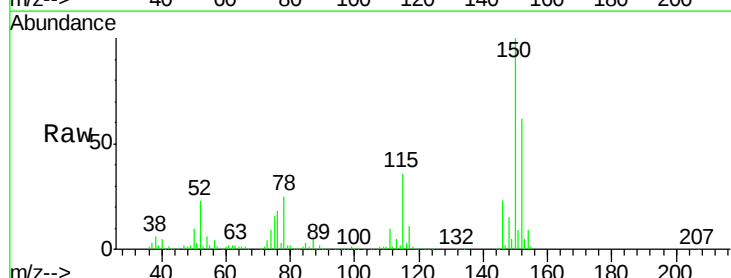


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

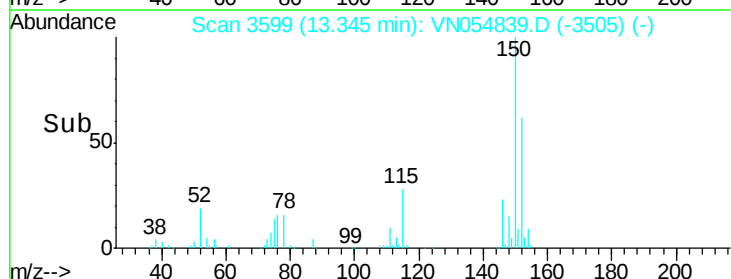
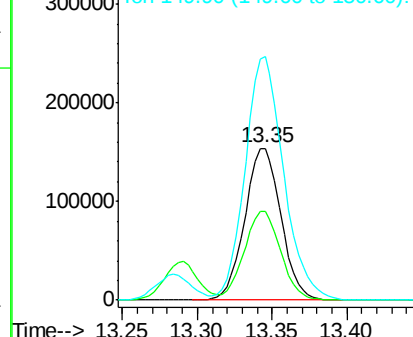


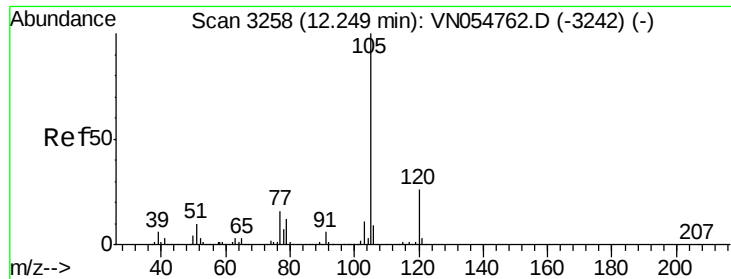
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	27.2	81.6
150	170.8	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





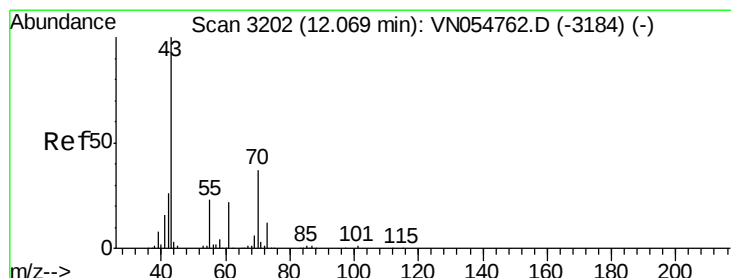
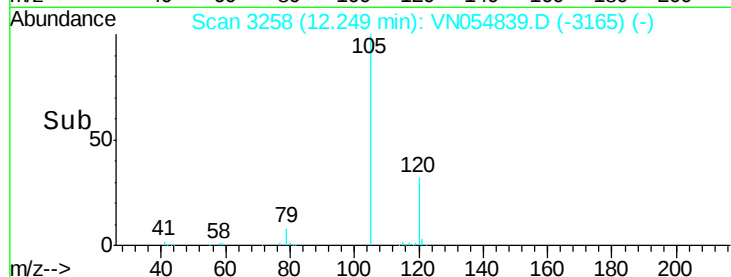
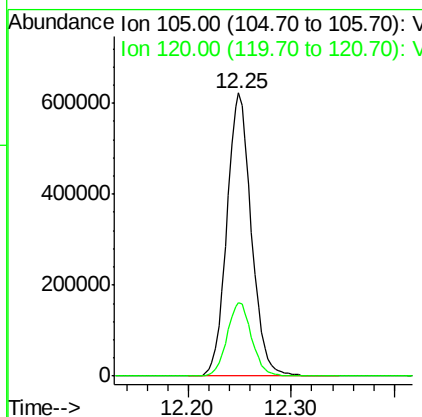
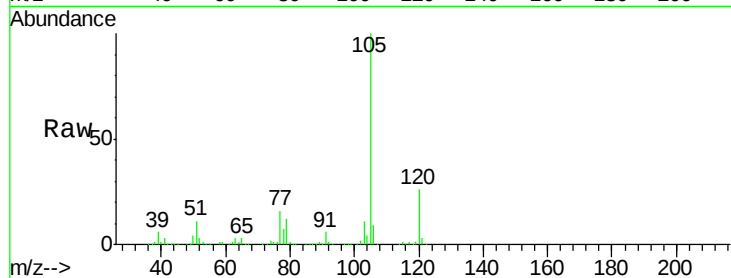
#73
Isopropylbenzene
Concen: 48.651 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1028312
Ion Ratio Lower Upper
105 100
120 26.2 13.8 41.3

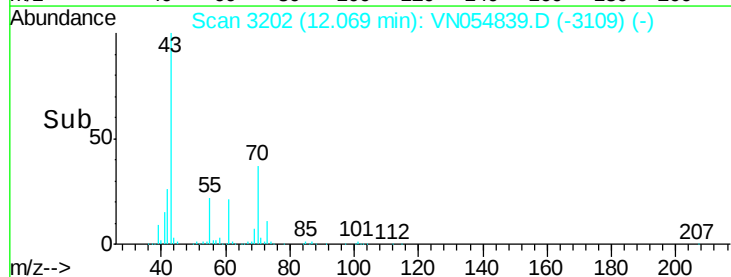
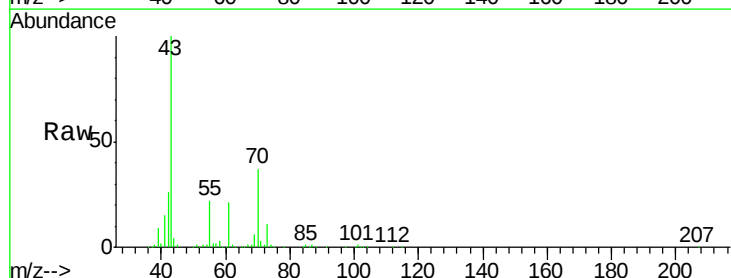
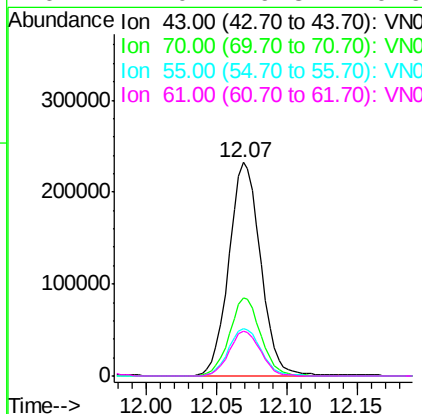
Manual Integrations
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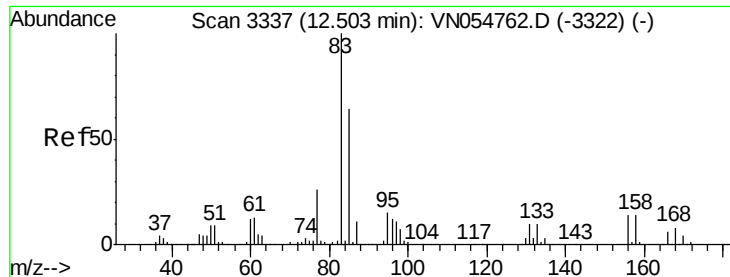
MMDadoda
4/1/2019 1:32:05 PM



#74
N-ethyl acetate
Concen: 55.427 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 43 Resp: 364984
Ion Ratio Lower Upper
43 100
70 36.2 35.4 53.0
55 23.2 19.8 29.6
61 21.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 59.949 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

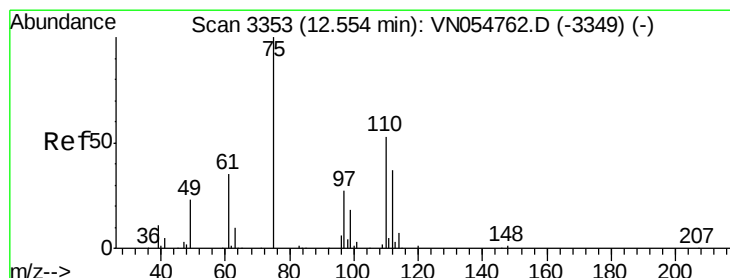
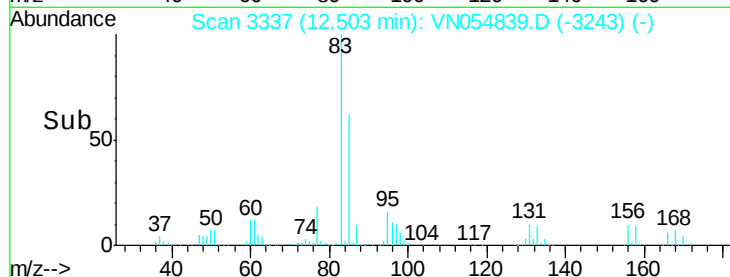
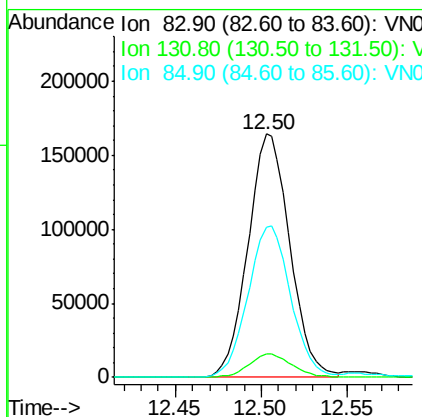
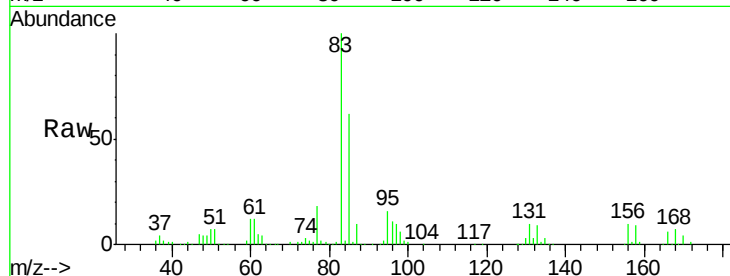
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	277741
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	63.3	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 54.570 ug/l m

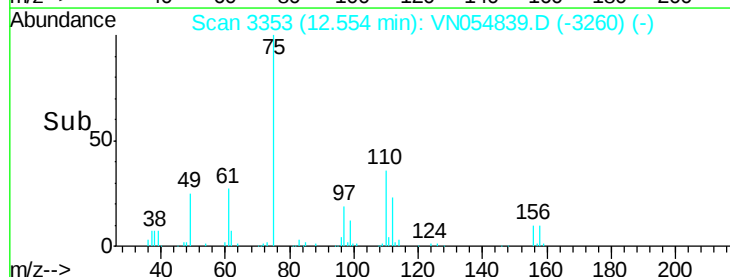
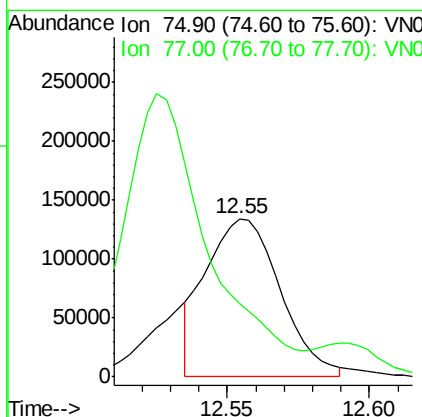
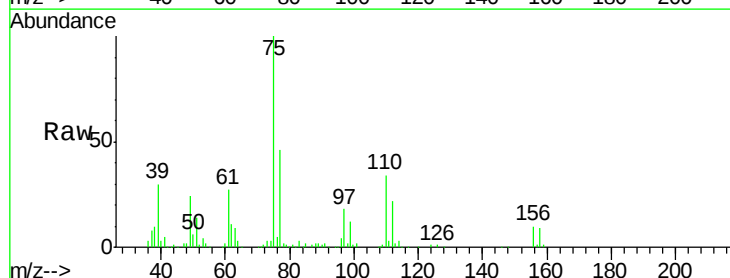
RT: 12.55 min Scan# 3353

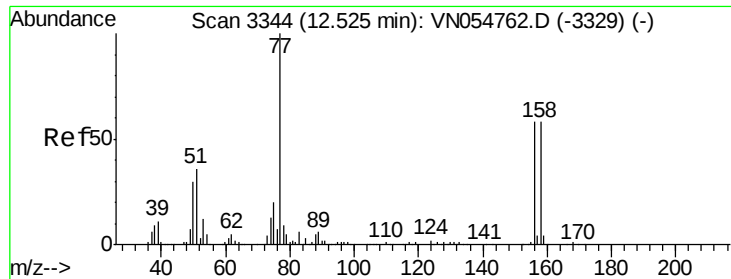
Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Tgt Ion:	75	Resp:	245148
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.738 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

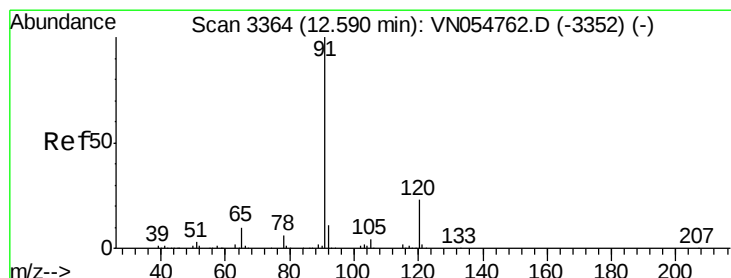
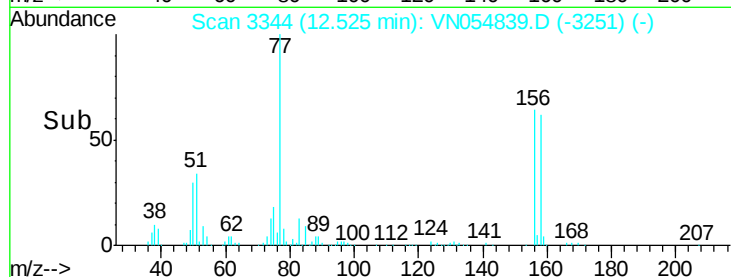
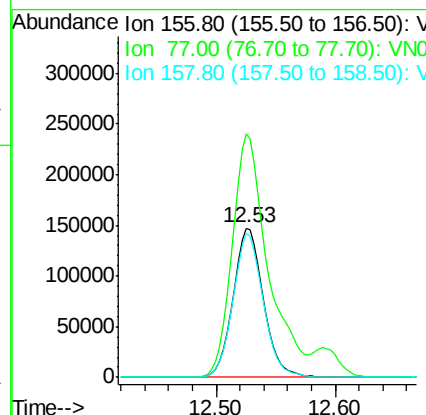
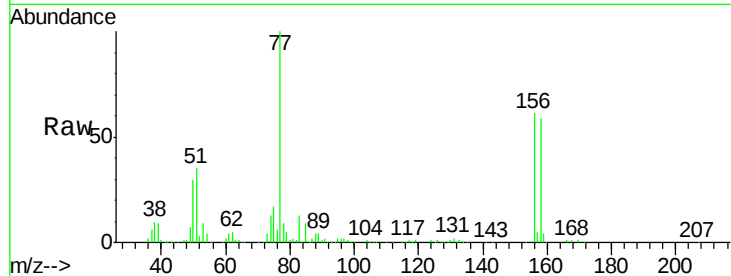
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	258824
Ion Ratio	Lower	Upper	
156	100		
77	192.2	81.5	244.4
158	96.1	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 48.671 ug/l

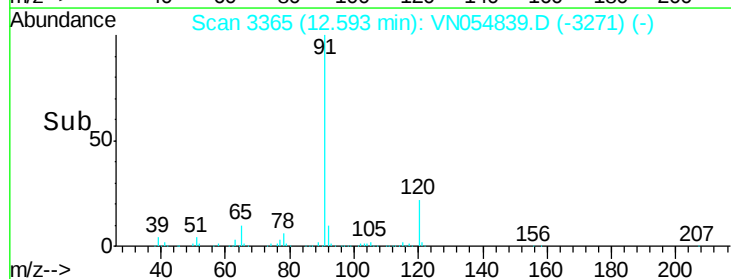
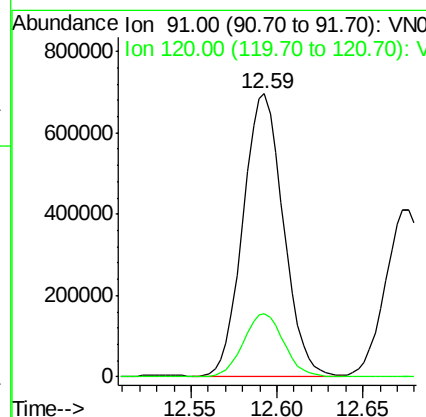
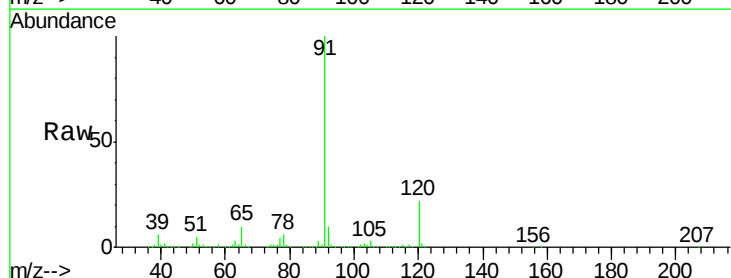
RT: 12.59 min Scan# 3365

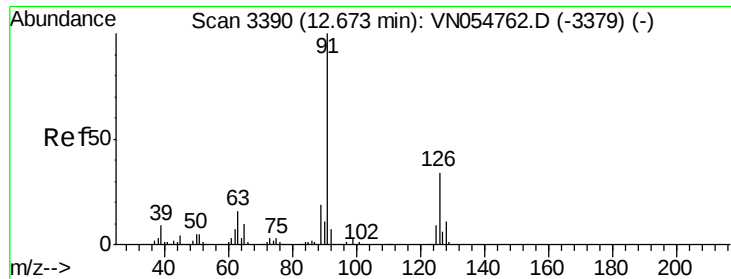
Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Tgt Ion:	91	Resp:	1130686
Ion Ratio	Lower	Upper	
91	100		
120	22.5	12.3	36.9





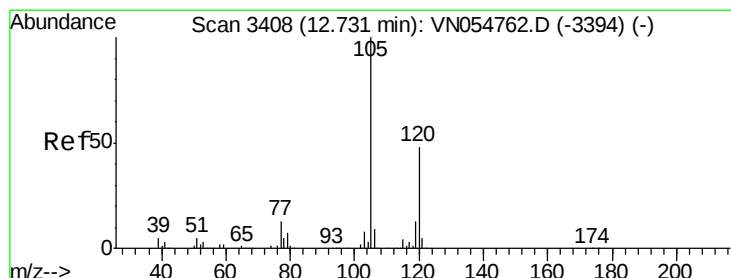
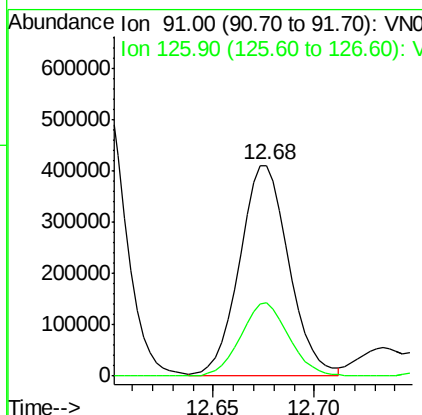
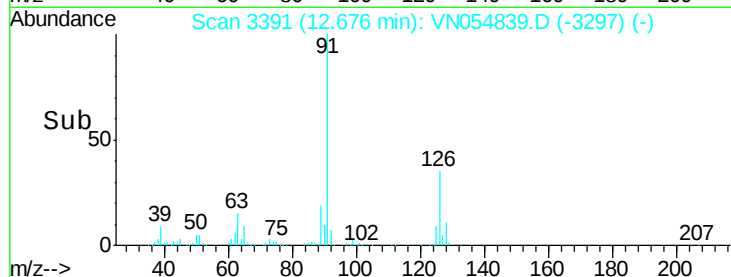
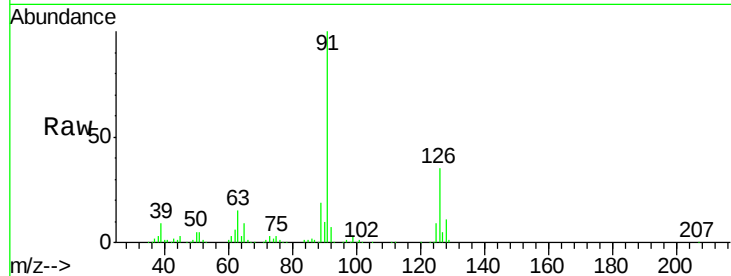
#79
 2-Chlorotoluene
 Concen: 48.632 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 698958
 Ion Ratio Lower Upper
 91 100
 126 34.2 18.7 56.1

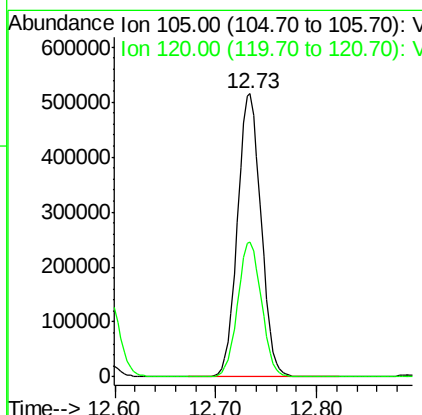
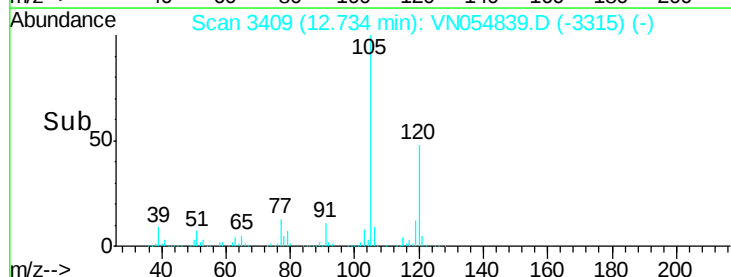
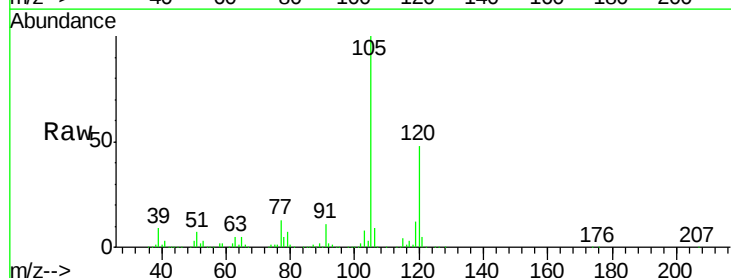
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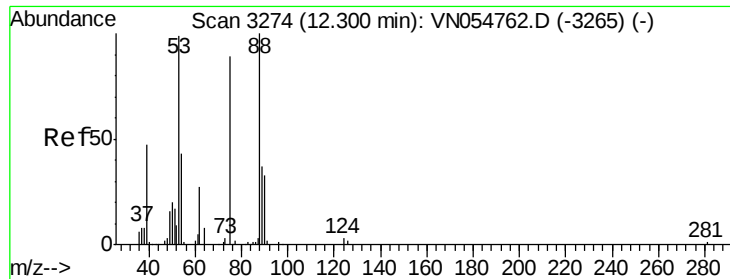
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.000 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 105 Resp: 832478
 Ion Ratio Lower Upper
 105 100
 120 48.1 25.0 75.0





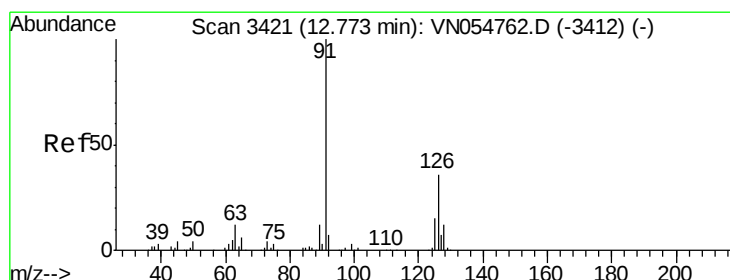
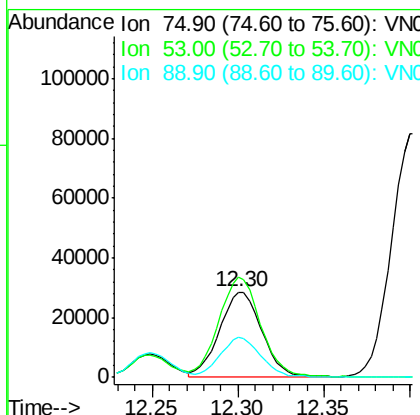
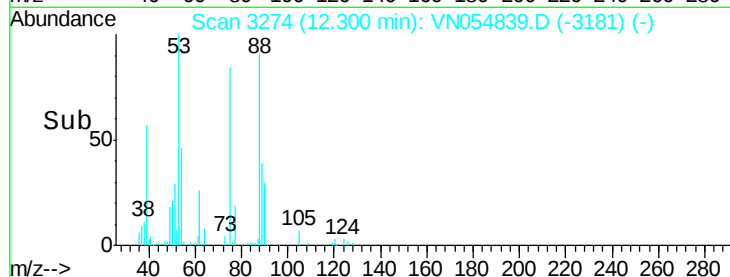
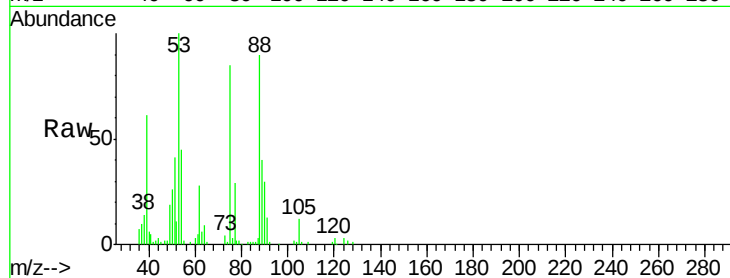
#81
trans-1,4-Dichloro-2-butene
Concen: 41.874 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.6	76.2	114.2#
89	45.7	39.2	58.8

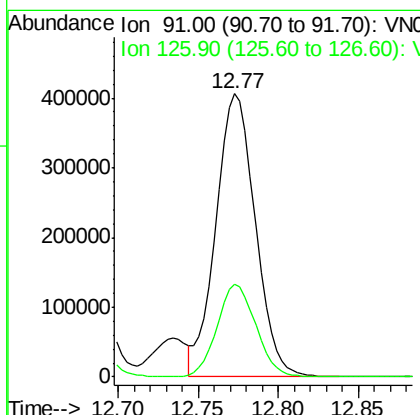
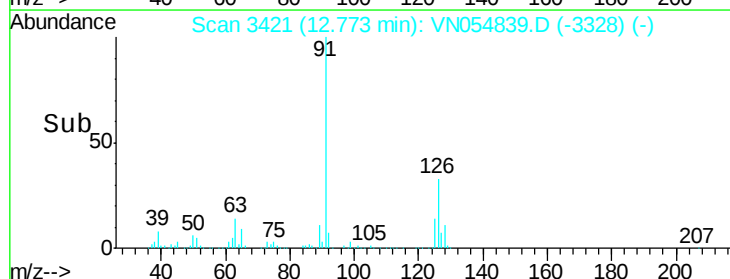
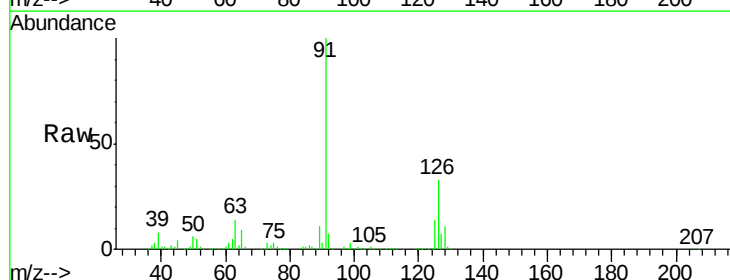
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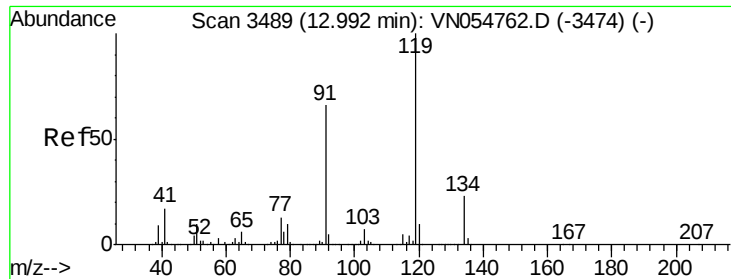
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.246 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	18.1	54.1





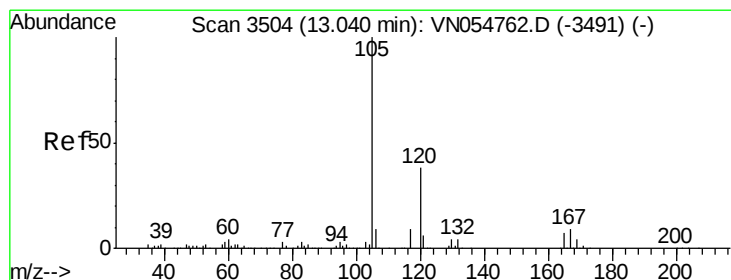
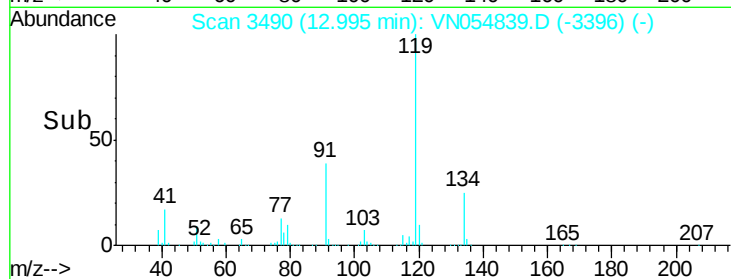
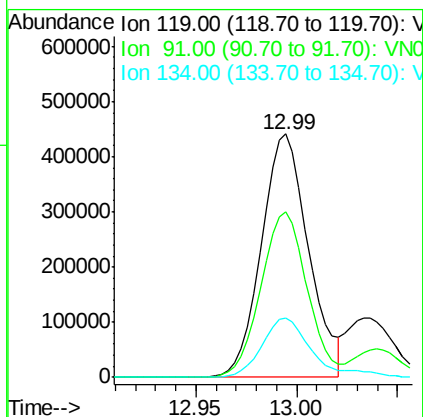
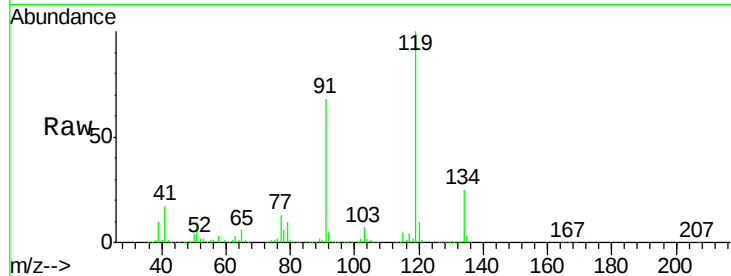
#83
 tert-Butylbenzene
 Concen: 53.639 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	30.9	92.8
134	26.0	13.2	39.6

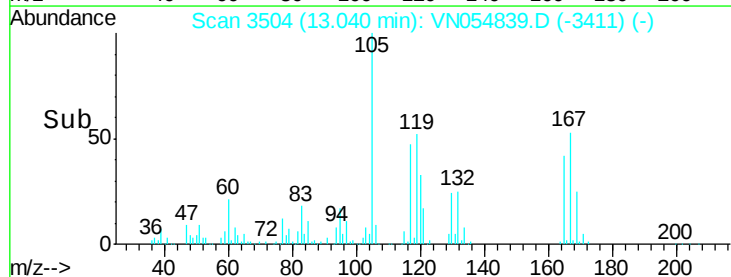
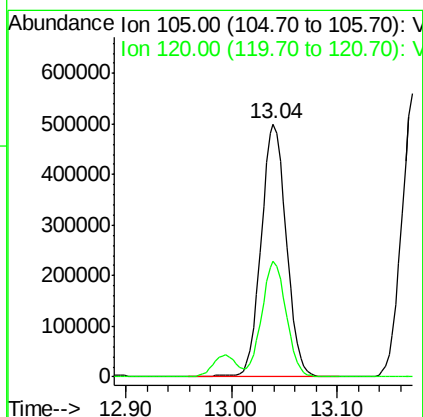
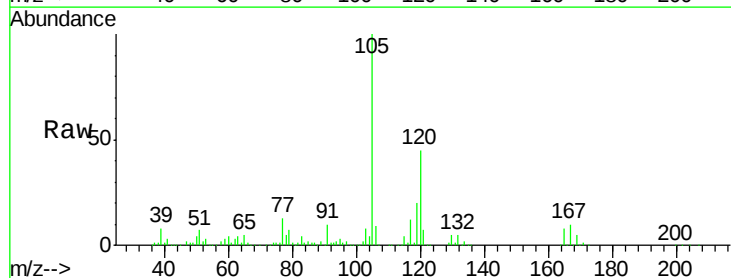
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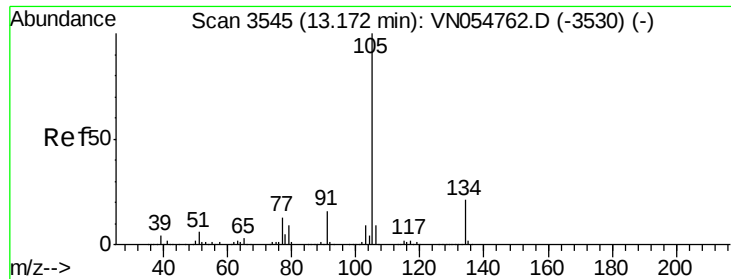
MMDadoda
 4/1/2019 1:32:05 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.485 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 47.025 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 885961

Ion Ratio Lower Upper

105 100

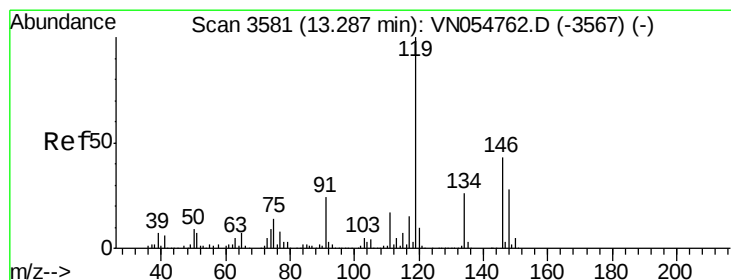
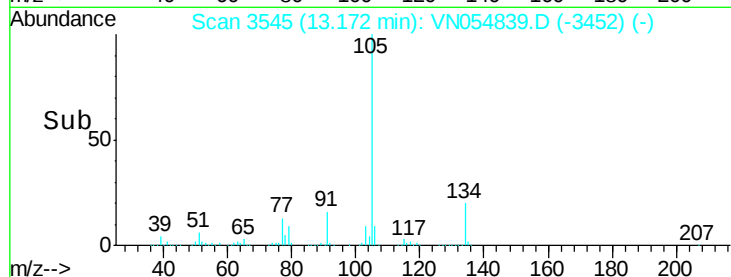
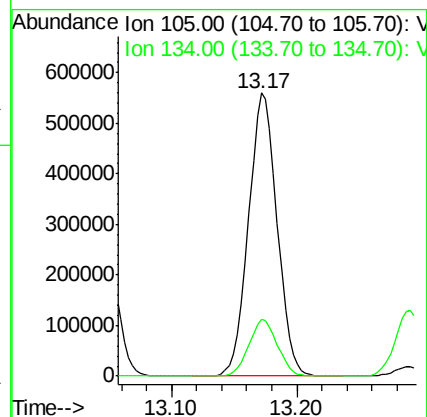
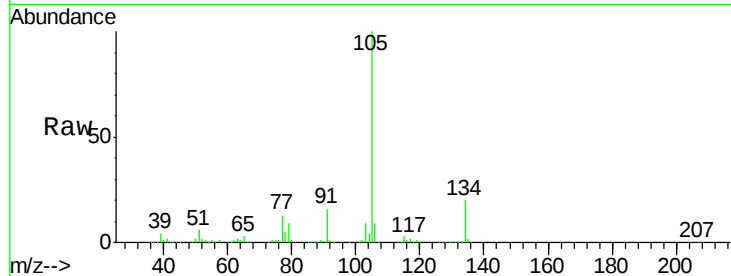
134 20.0 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.039 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

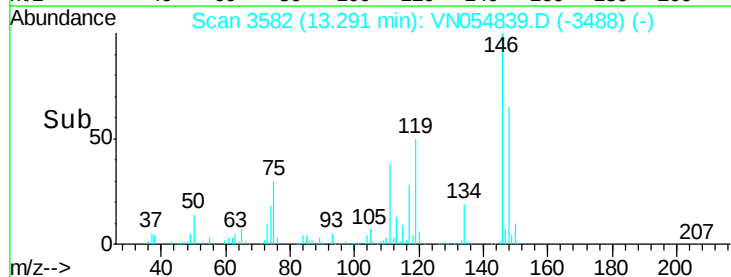
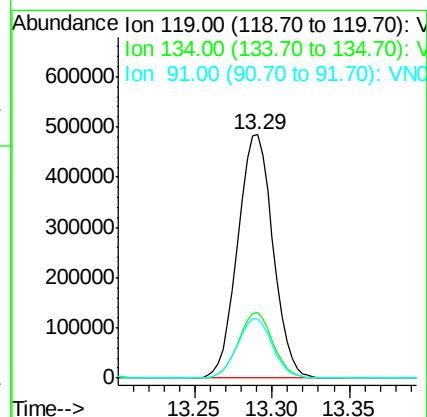
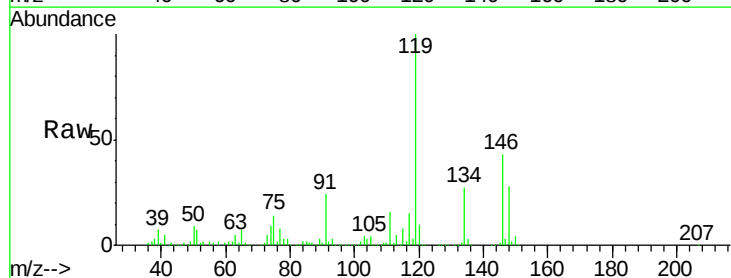
Tgt Ion:119 Resp: 765016

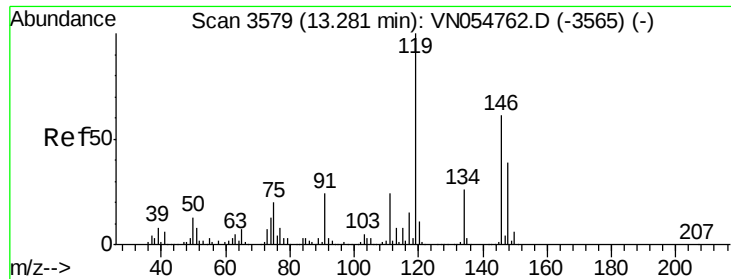
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 24.2 11.1 33.3





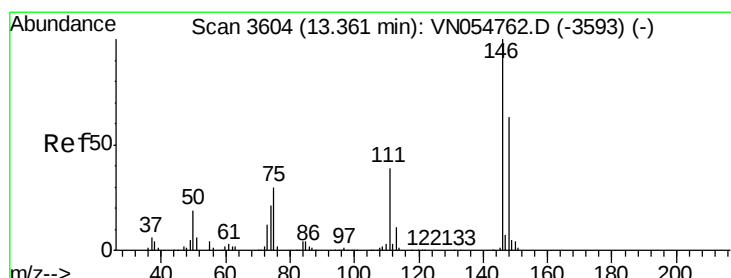
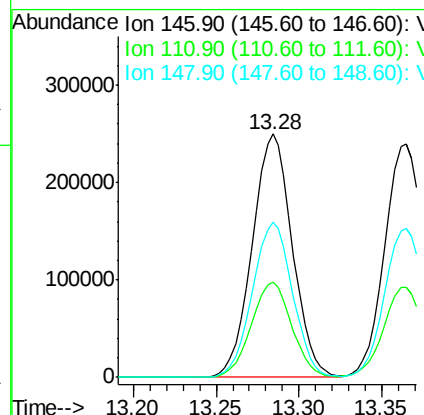
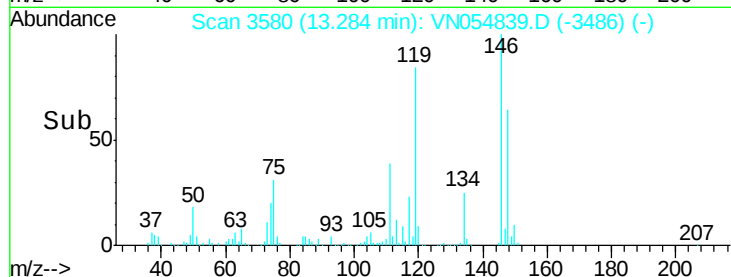
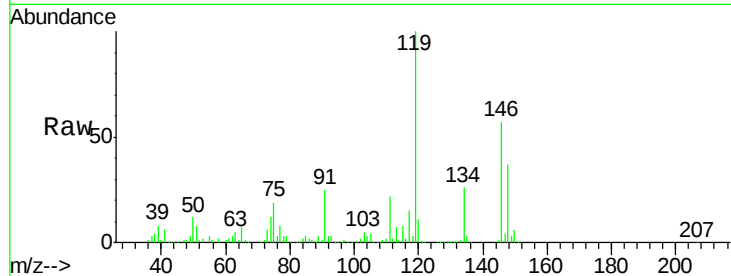
#87
 1,3-Dichlorobenzene
 Concen: 49.077 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.8	56.3
148	64.0	32.2	96.6

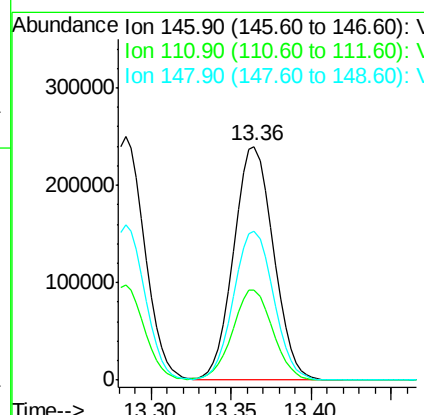
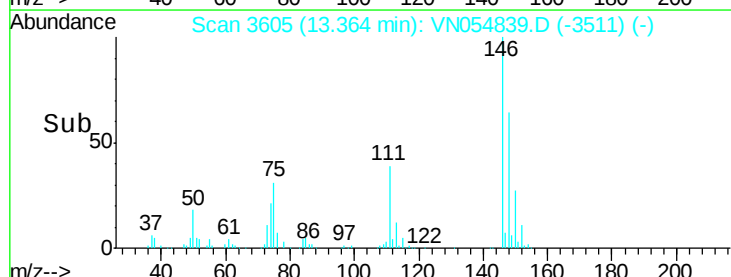
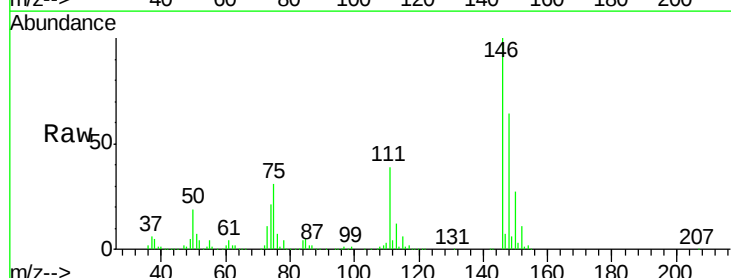
Manual Integrations
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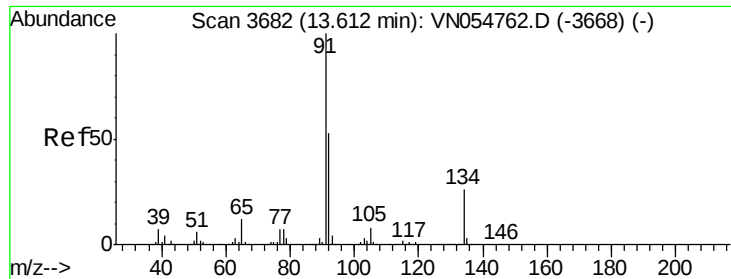
MMDadoda
 4/1/2019 1:32:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.577 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.1	54.1
148	64.3	32.0	96.0





#89

n-Butylbenzene

Concen: 44.835 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

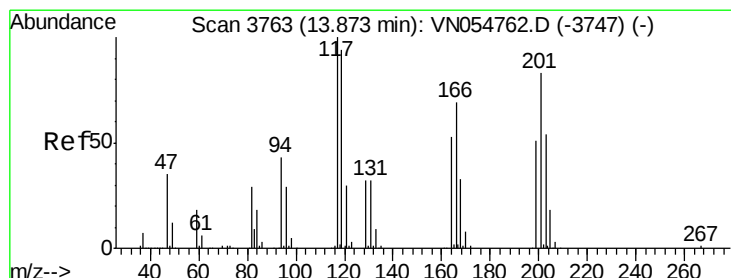
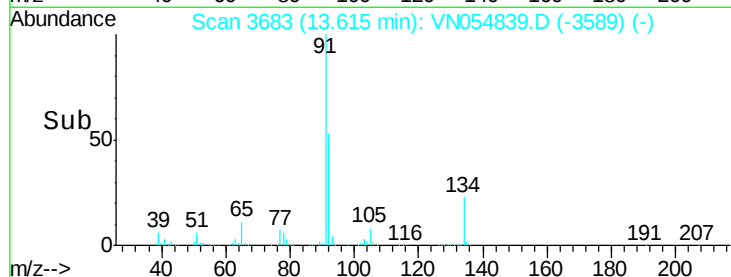
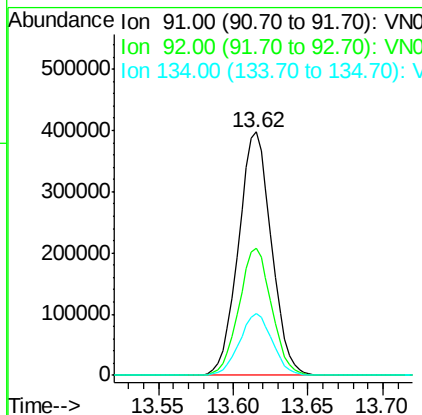
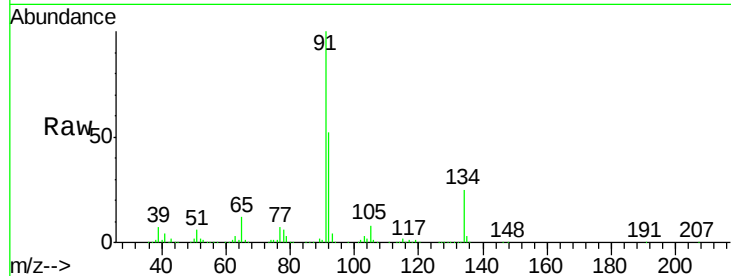
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	607847
Ion Ratio	Lower	Upper	
91	100		
92	51.7	26.2	78.6
134	25.2	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 48.459 ug/l

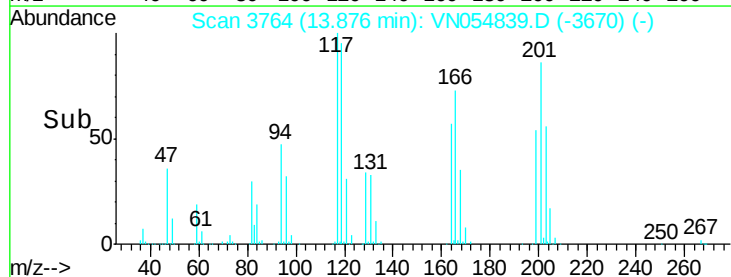
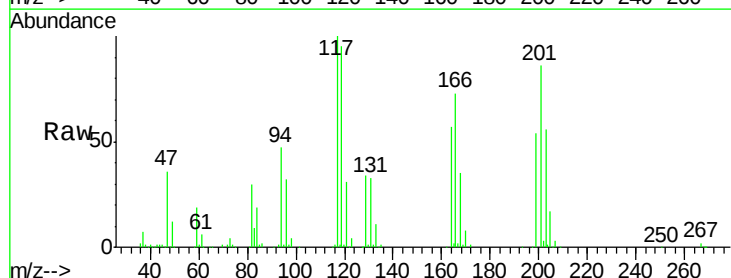
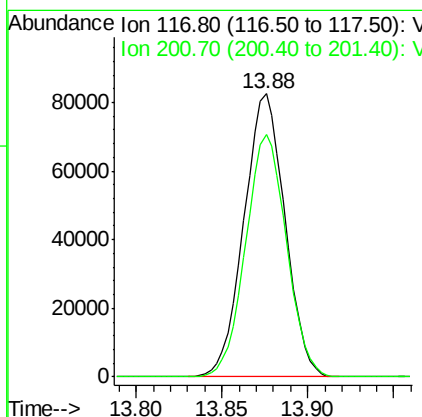
RT: 13.88 min Scan# 3764

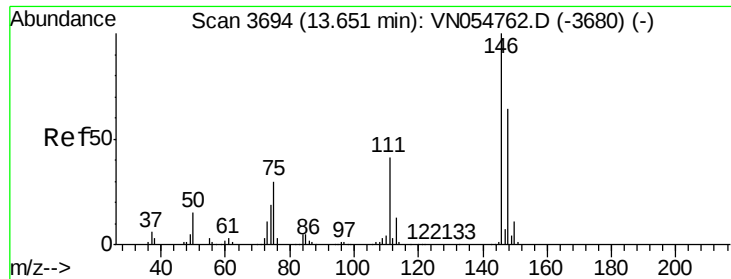
Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Tgt Ion:	117	Resp:	136716
Ion Ratio	Lower	Upper	
117	100		
201	85.2	48.1	144.4





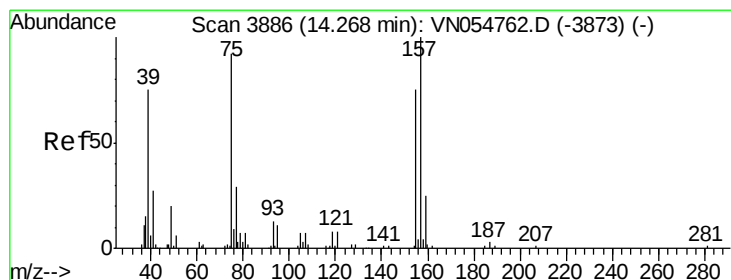
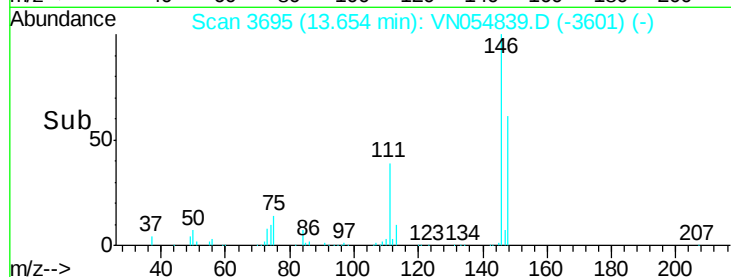
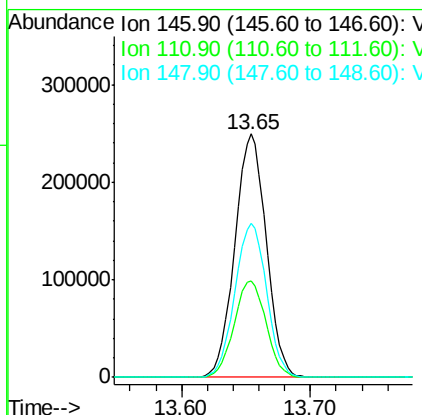
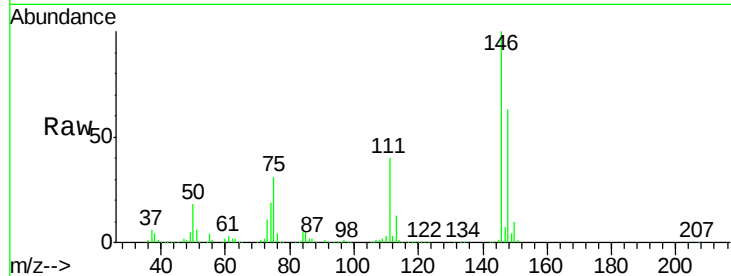
#91
 1,2-Dichlorobenzene
 Concen: 48.928 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.1	57.3
148	63.9	32.4	97.0

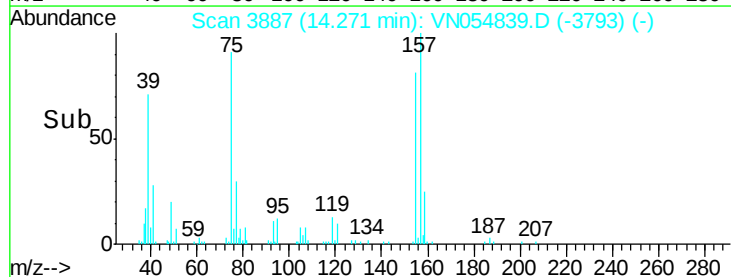
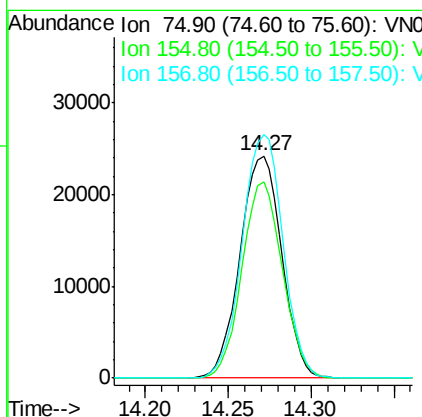
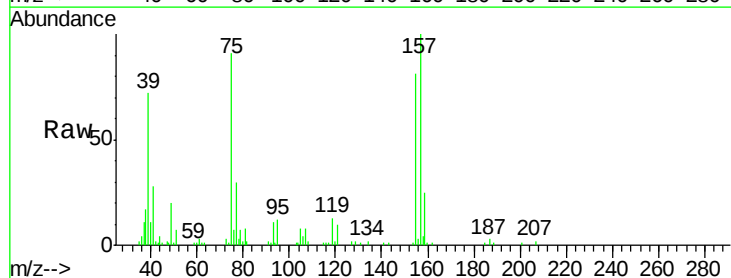
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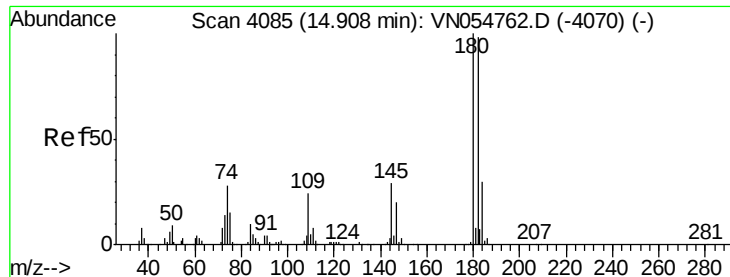
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.693 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	50.1	150.3
157	107.5	63.1	189.3





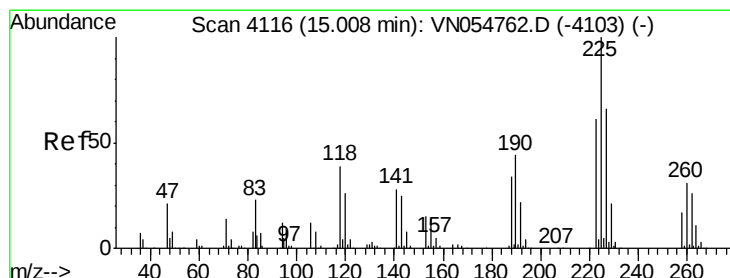
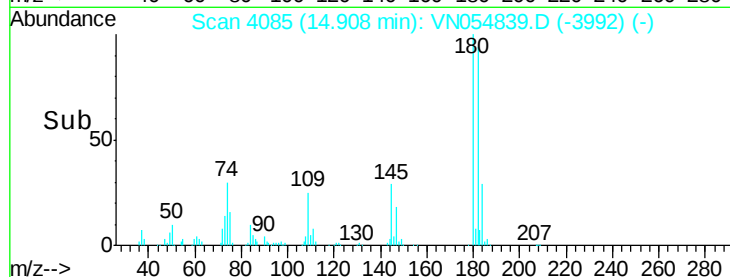
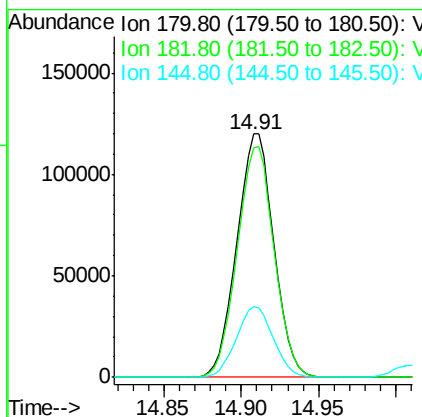
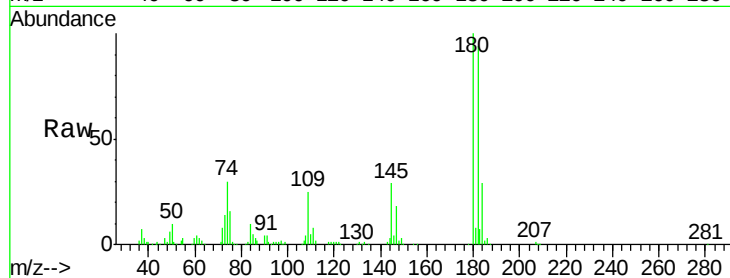
#93
 1,2,4-Trichlorobenzene
 Concen: 47.874 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	198940		
182	94.8	48.0	144.2	
145	29.2	14.2	42.8	

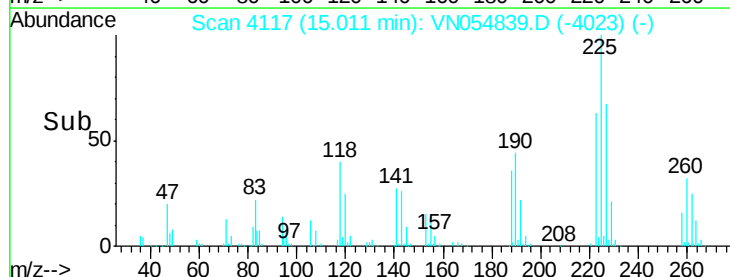
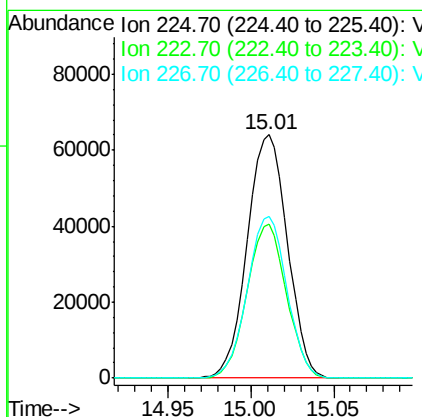
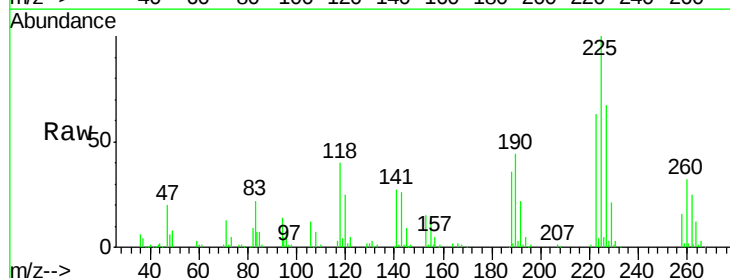
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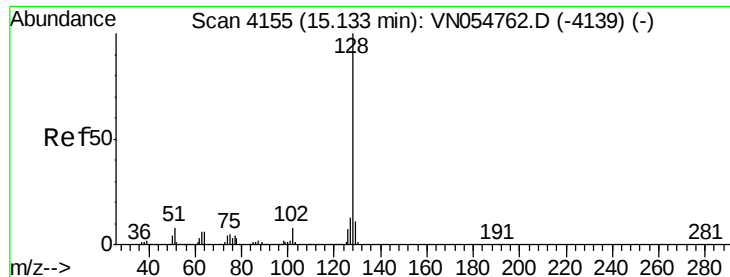
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#94
 Hexachlorobutadiene
 Concen: 43.490 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107702		
223	62.2	31.1	93.5	
227	65.5	31.9	95.9	





#95

Naphthalene

Concen: 51.922 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

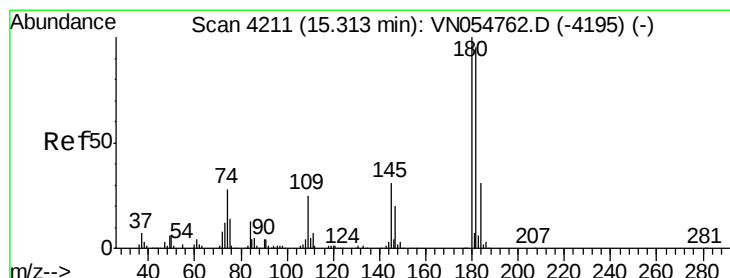
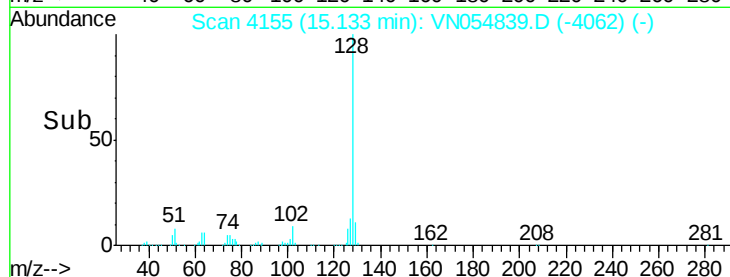
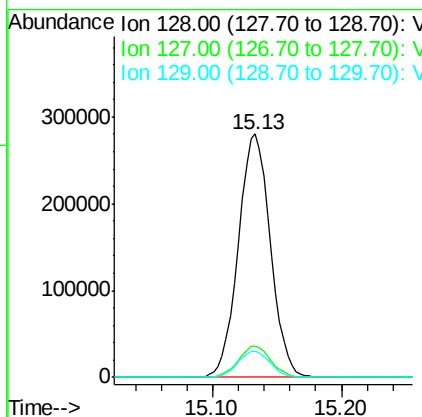
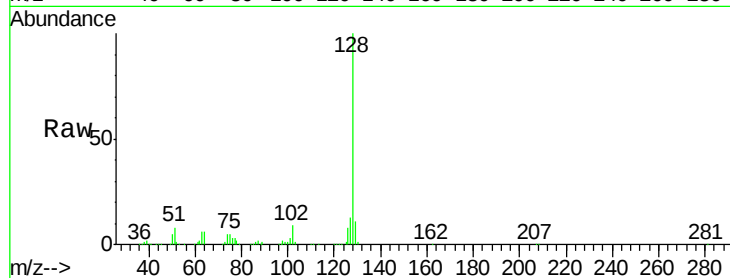
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	483913
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 48.695 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Tgt Ion:	180	Resp:	204358
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.5	142.6
145	31.7	14.8	44.3

