

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053744.D
 Acq On : 12 Feb 2019 21:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:15:52 PM

Quant Time: Feb 13 06:11:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	996025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	870060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	331908	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
35) Dibromofluoromethane	7.59	113	315138	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.09	98	1151910	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.40	95	417247	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	307902	45.234	ug/l	100
3) Chloromethane	2.06	50	362130	50.483	ug/l	100
4) Vinyl Chloride	2.19	62	374378	53.764	ug/l	99
5) Bromomethane	2.57	94	240820	52.893	ug/l	96
6) Chloroethane	2.71	64	224340	56.378	ug/l	98
7) Trichlorofluoromethane	3.02	101	505869	53.572	ug/l	98
8) Diethyl Ether	3.41	74	186428	54.059	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	278792	47.739	ug/l	97
10) Methyl Iodide	3.96	142	457369	49.897	ug/l	100
11) Tert butyl alcohol	4.78	59	112532	313.695	ug/l	98
12) 1,1-Dichloroethene	3.74	96	288093	51.489	ug/l	97
13) Acrolein	3.61	56	63263	323.905	ug/l	99
14) Allyl chloride	4.33	41	435825	48.921	ug/l	95
15) Acrylonitrile	4.99	53	585238	302.197	ug/l	99
16) Acetone	3.82	43	376155	241.935	ug/l	97
17) Carbon Disulfide	4.06	76	772665	44.349	ug/l	100
18) Methyl Acetate	4.33	43	293382	63.716	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	832117	58.666	ug/l	99
20) Methylene Chloride	4.55	84	339212	52.003	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	306097	50.708	ug/l	97
22) Diisopropyl ether	5.95	45	924839	56.026	ug/l	95
23) Vinyl Acetate	5.90	43	3246044	284.257	ug/l	98
24) 1,1-Dichloroethane	5.85	63	589484	53.540	ug/l	100
25) 2-Butanone	6.83	43	626710	282.626	ug/l	100
26) 2,2-Dichloropropane	6.82	77	372153	44.279	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	360963	53.776	ug/l	96
28) Bromochloromethane	7.20	49	260082	54.434	ug/l	96
29) Tetrahydrofuran	7.21	42	425757	299.009	ug/l	97
30) Chloroform	7.37	83	583208	53.435	ug/l	100
31) Cyclohexane	7.65	56	485687	47.371	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	489188	53.858	ug/l	99
36) 1,1-Dichloropropene	7.80	75	420077	46.787	ug/l	99
37) Ethyl Acetate	6.93	43	282856	56.407	ug/l	99
38) Carbon Tetrachloride	7.78	117	423863	46.862	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	457265	42.927	ug/l	99
40) Benzene	8.04	78	1335396	48.231	ug/l	99
41) Methacrylonitrile	7.17	41	159902	57.054	ug/l	95
42) 1,2-Dichloroethane	8.12	62	399795	48.631	ug/l	99
43) Isopropyl Acetate	8.17	43	509470	52.608	ug/l	98
44) Trichloroethene	8.84	130	372439	47.249	ug/l	97
45) 1,2-Dichloropropane	9.12	63	354799	50.101	ug/l	99
46) Dibromomethane	9.21	93	213453	50.001	ug/l	97
47) Bromodichloromethane	9.40	83	449540	50.646	ug/l	98
48) Methyl methacrylate	9.20	41	251532	54.413	ug/l	99
49) 1,4-Dioxane	9.20	88	70082	1044.465	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1349593	283.598	ug/l	100
52) Toluene	10.16	92	803860	48.919	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	445025	50.070	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	513263	48.733	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	308810	52.153	ug/l	99
56) Ethyl methacrylate	10.43	69	390215	55.706	ug/l	98
57) 1,3-Dichloropropane	10.71	76	514887	50.879	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	886730	205.586	ug/l	98
59) 2-Hexanone	10.75	43	862424	266.952	ug/l	99
60) Dibromochloromethane	10.90	129	349991	52.415	ug/l	100
61) 1,2-Dibromoethane	11.01	107	297323	50.732	ug/l	99
64) Tetrachloroethene	10.63	164	349781	46.898	ug/l	99
65) Chlorobenzene	11.43	112	893167	48.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	333181	51.621	ug/l	100
67) Ethyl Benzene	11.51	91	1477688	48.674	ug/l	100
68) m/p-Xylenes	11.62	106	1151425	99.374	ug/l	98
69) o-Xylene	11.95	106	572044	51.103	ug/l	99
70) Styrene	11.96	104	939199	51.766	ug/l	100
71) Bromoform	12.13	173	249404	56.364	ug/l #	100
73) Isopropylbenzene	12.25	105	1508282	51.593	ug/l	99
74) N-amyl acetate	12.07	43	403198	57.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	391200	55.913	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	320939m	60.084	ug/l	
77) Bromobenzene	12.53	156	415586	52.747	ug/l	99
78) n-propylbenzene	12.59	91	1741796	51.540	ug/l	100
79) 2-Chlorotoluene	12.67	91	1023954	51.070	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1285484	53.026	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	99288	52.268	ug/l	99
82) 4-Chlorotoluene	12.77	91	1028482	49.989	ug/l	100
83) tert-Butylbenzene	12.99	119	1110278	51.819	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1270527	51.441	ug/l	99
85) sec-Butylbenzene	13.17	105	1471708	50.476	ug/l	99
86) p-Isopropyltoluene	13.29	119	1298606	50.926	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	685885	48.426	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	670596	47.864	ug/l	99
89) n-Butylbenzene	13.62	91	1063571	48.187	ug/l	99
90) Hexachloroethane	13.88	117	219982	52.300	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	686018	50.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55582	55.742	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	382978	49.247	ug/l	99
94) Hexachlorobutadiene	15.01	225	232169	47.939	ug/l	99
95) Naphthalene	15.13	128	838195	46.026	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	372158	51.575	ug/l	99

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

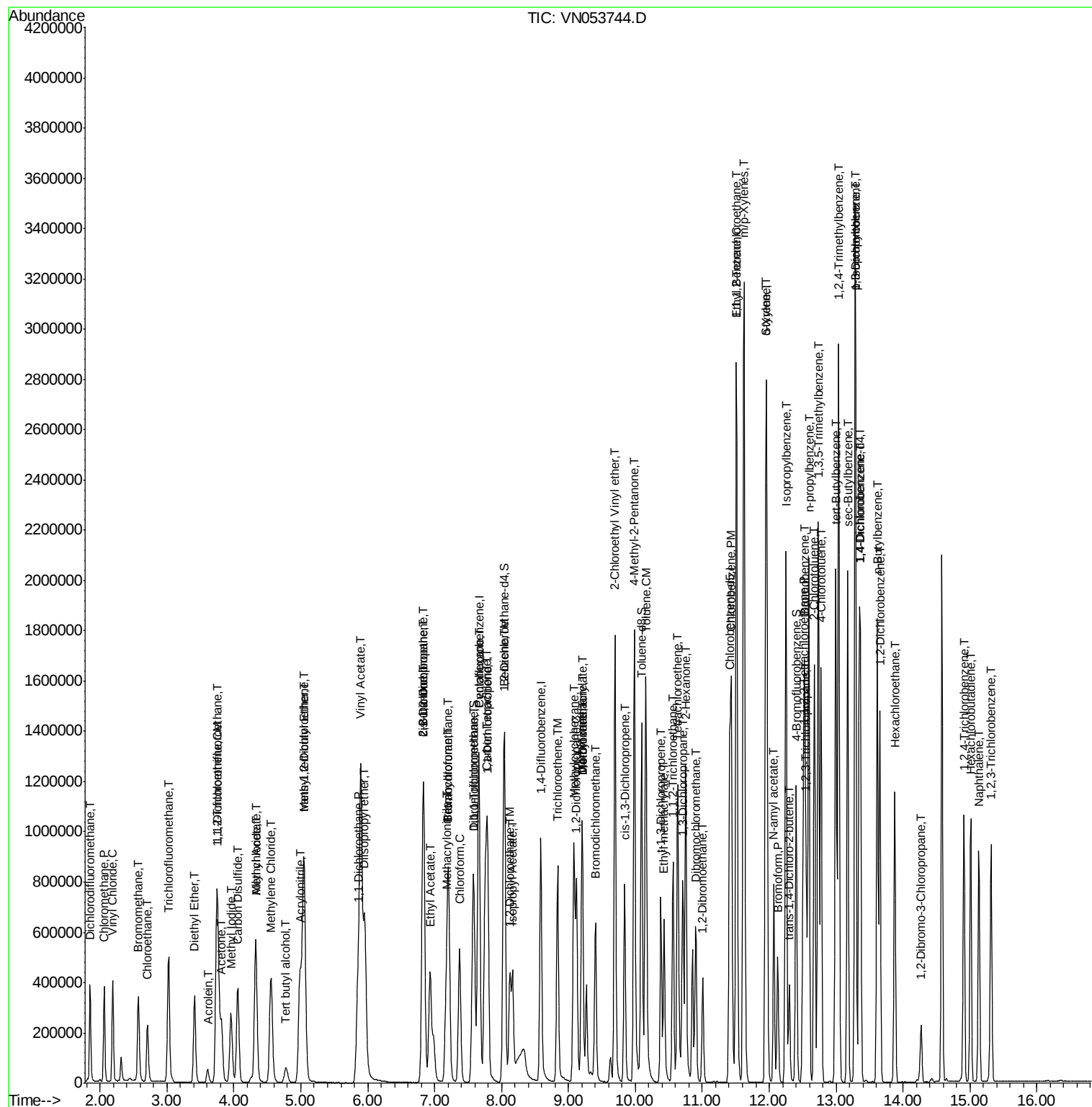
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
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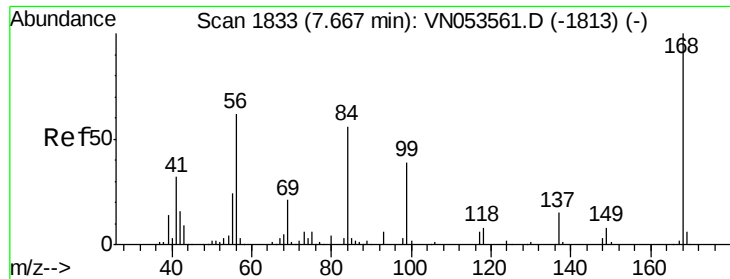
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 604215

Ion Ratio Lower Upper

168 100

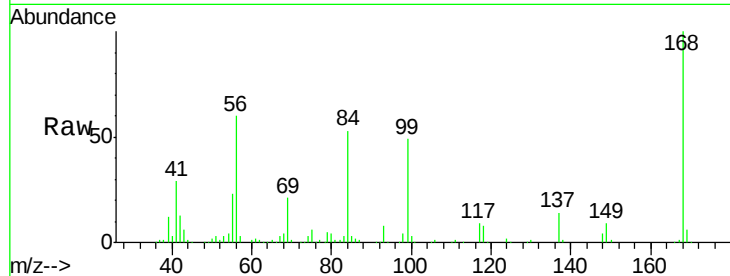
99 47.8 39.1 58.7

Manual Integrations

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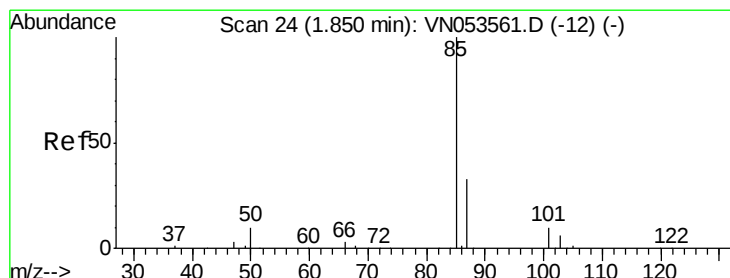
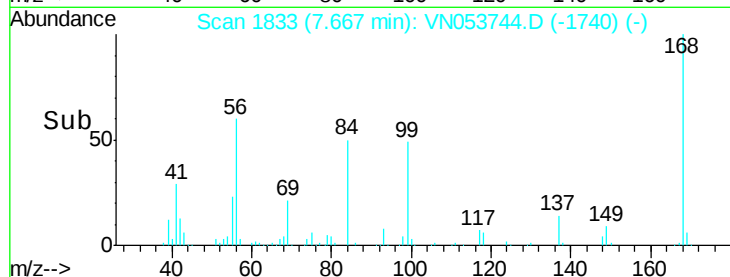
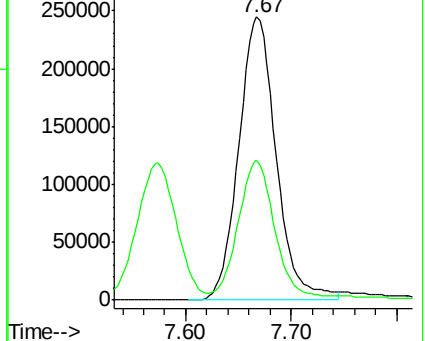
MMDadoda

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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: 45.234 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053744.D

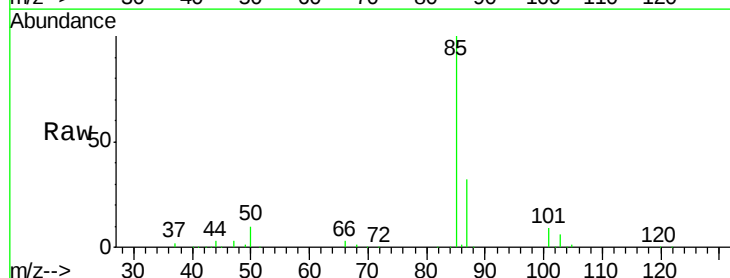
Acq: 12 Feb 2019 21:22

Tgt Ion: 85 Resp: 307902

Ion Ratio Lower Upper

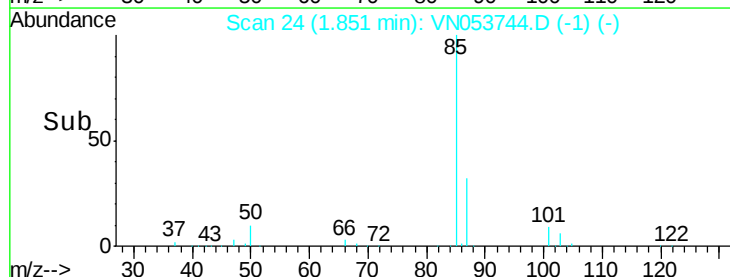
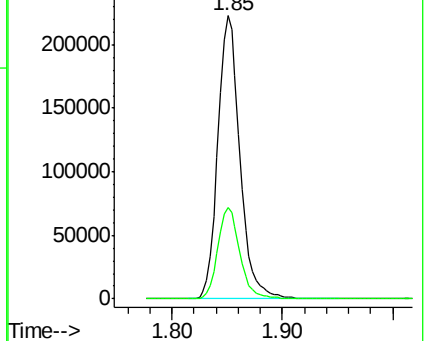
85 100

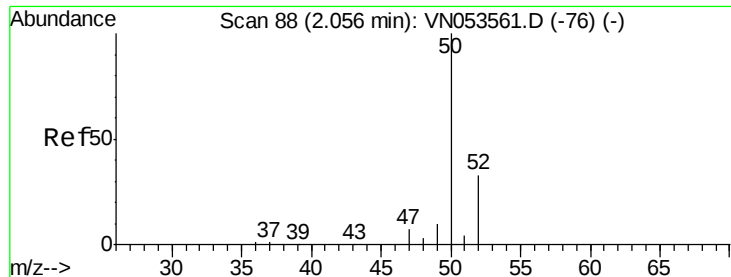
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.483 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 362130

Ion Ratio Lower Upper

50 100

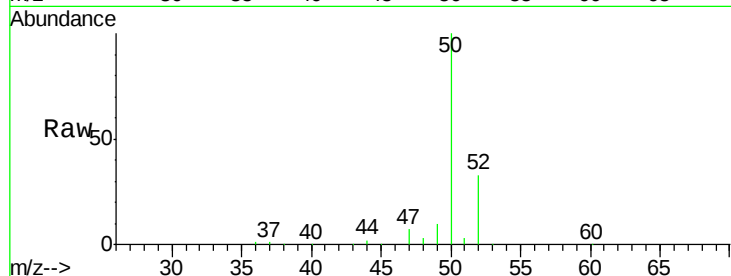
52 33.5 26.6 40.0

Manual Integrations

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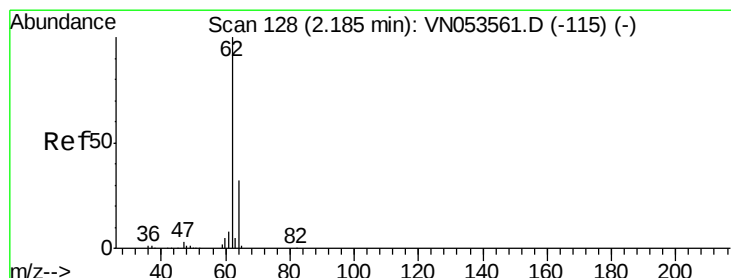
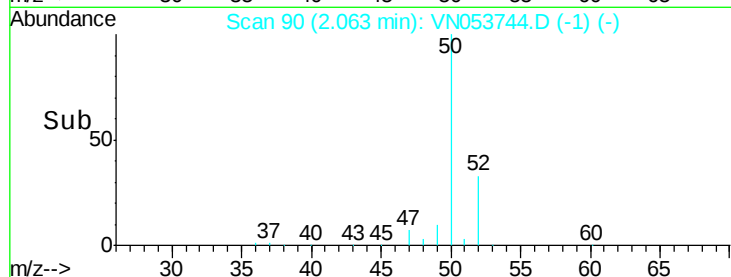
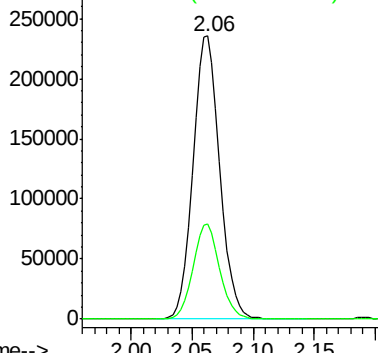
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 53.764 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053744.D

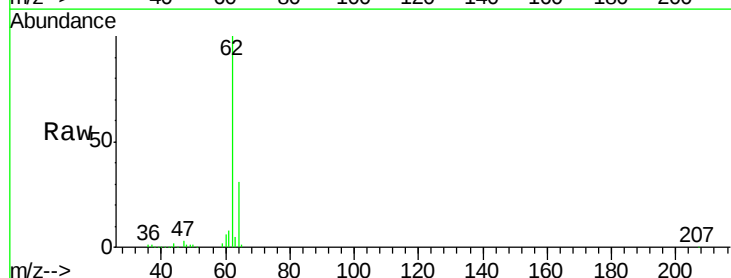
Acq: 12 Feb 2019 21:22

Tgt Ion: 62 Resp: 374378

Ion Ratio Lower Upper

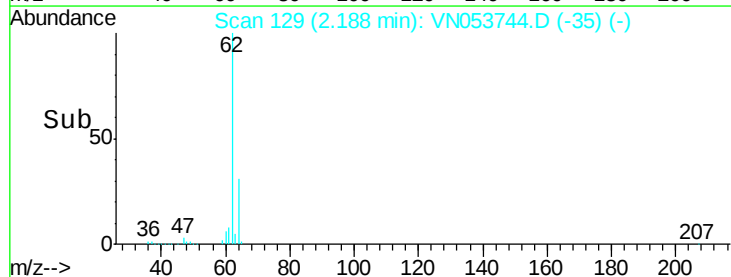
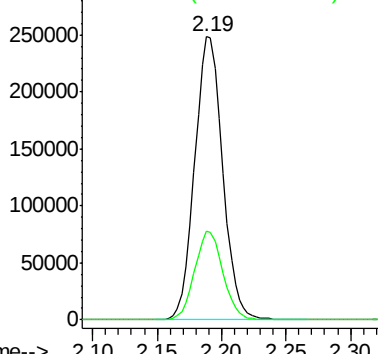
62 100

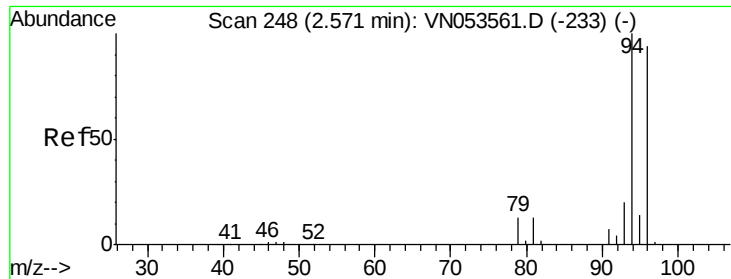
64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 52.893 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

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Tot Ion: 94 Resp: 240820

Ion Ratio Lower Upper

94 100

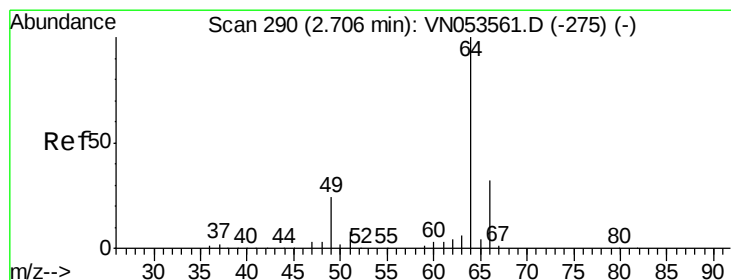
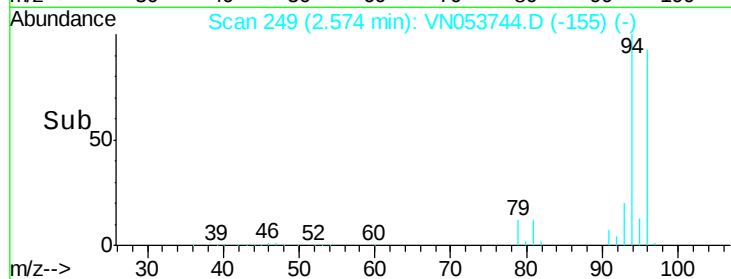
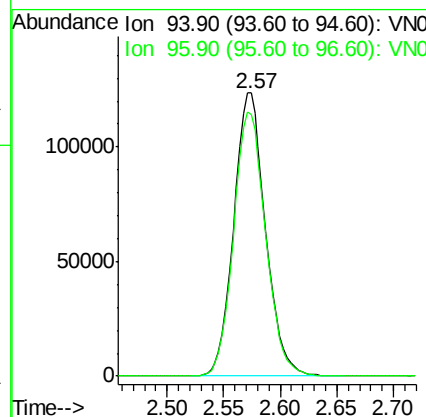
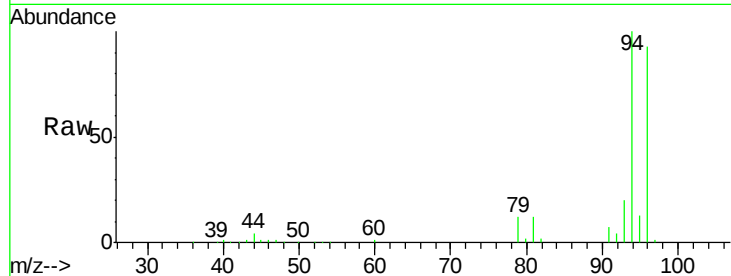
96 92.6 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 56.378 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053744.D

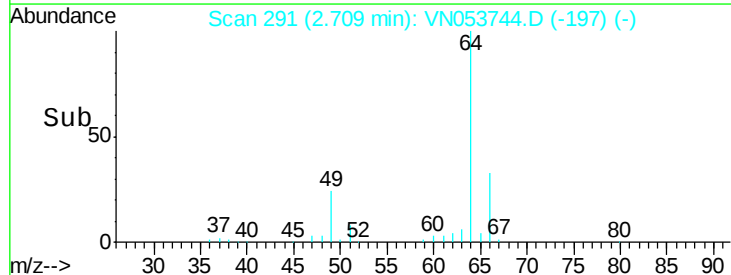
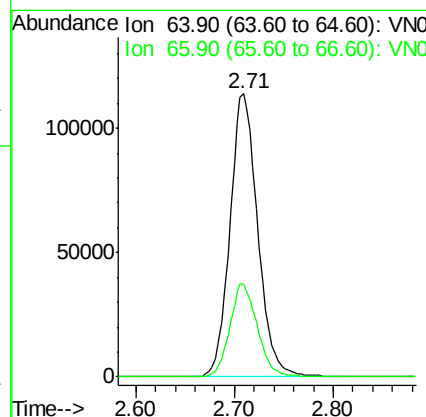
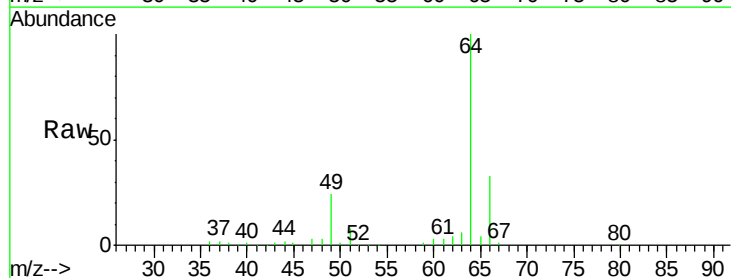
Acq: 12 Feb 2019 21:22

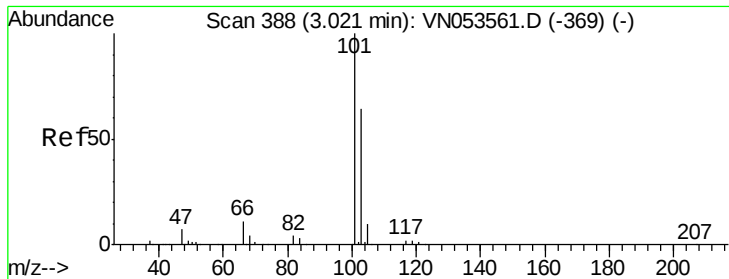
Tgt Ion: 64 Resp: 224340

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





#7

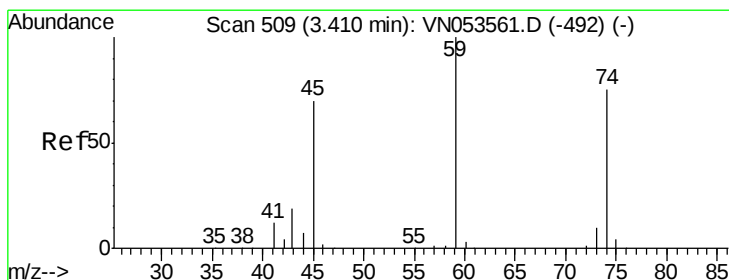
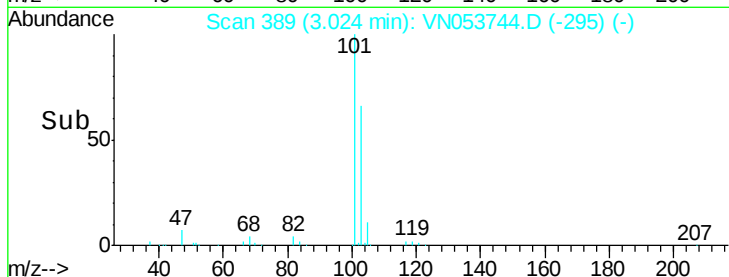
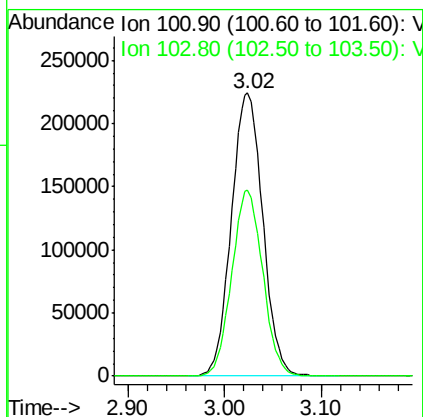
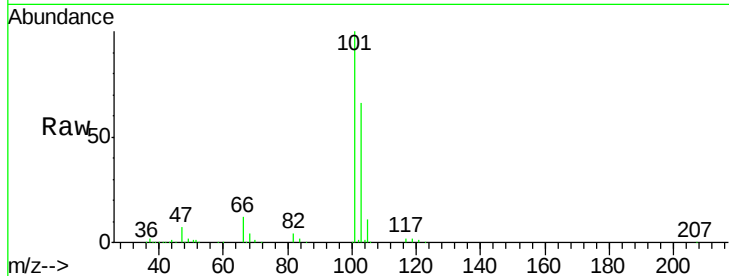
Trichlorofluoromethane
Concen: 53.572 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053744.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.6	77.4

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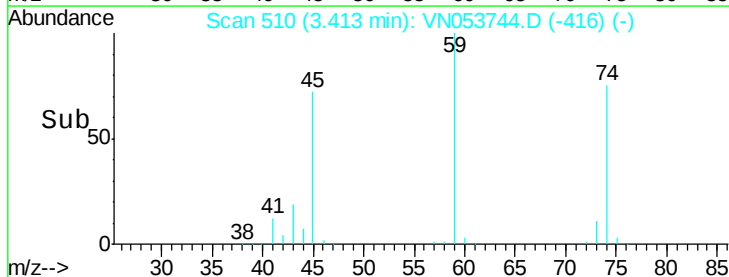
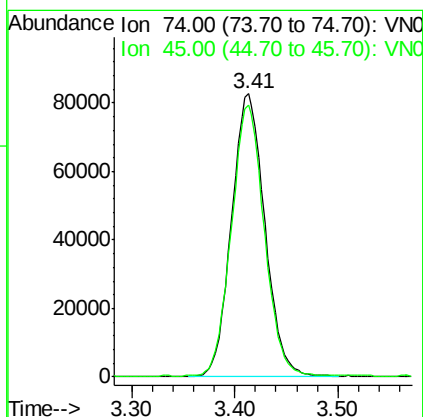
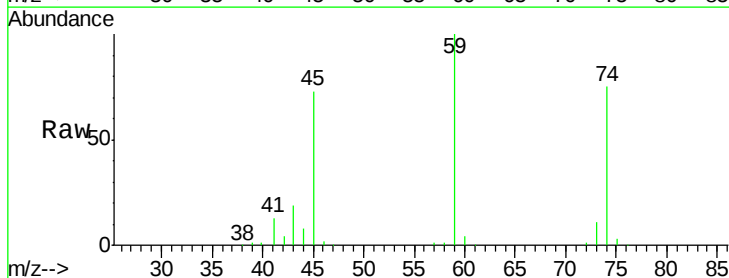
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2/13/2019 12:15:52 PM



#8

Diethyl Ether
Concen: 54.059 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.739 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

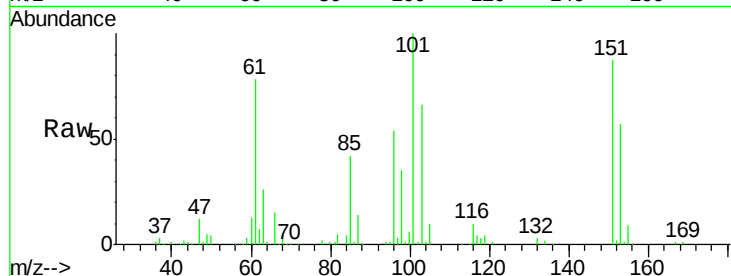
ClientSampleId :

VSTDCCC050EC

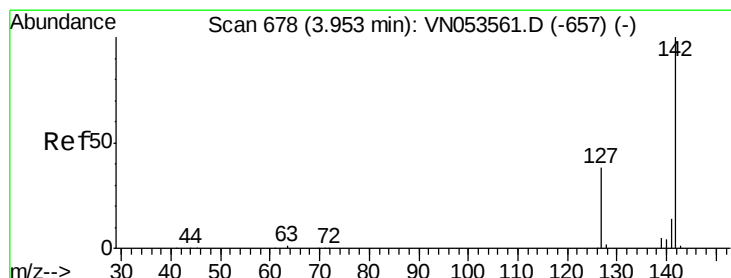
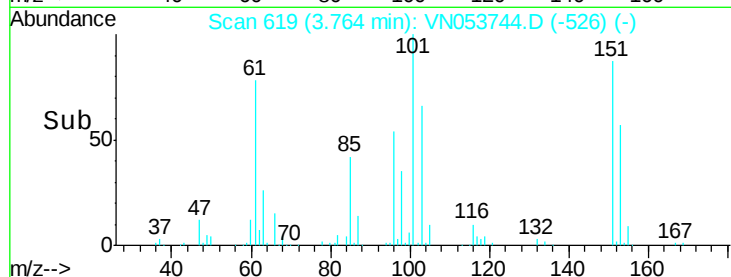
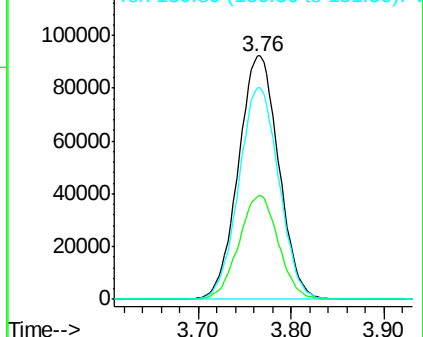
Tot Ion:	101	Resp:	278792
Ion Ratio	Lower	Upper	
101	100		
85	41.8	32.8	49.2
151	86.6	66.9	100.3

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2/13/2019 12:15:52 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.897 ug/l

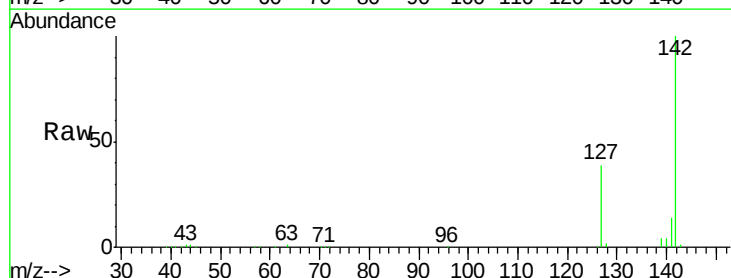
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

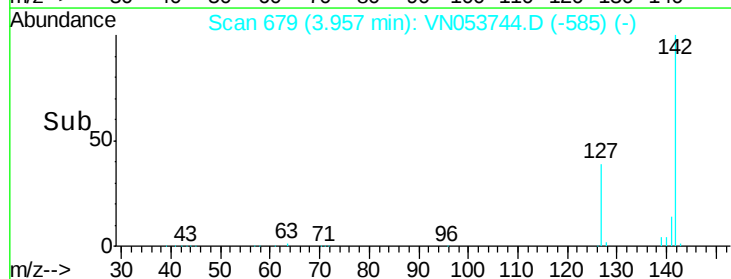
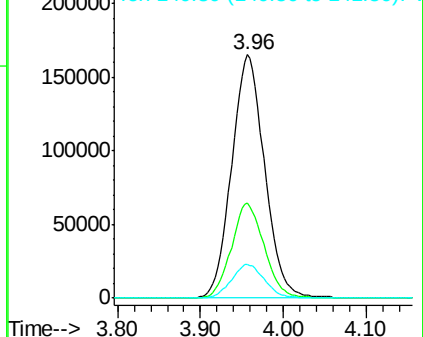
Lab File: VN053744.D

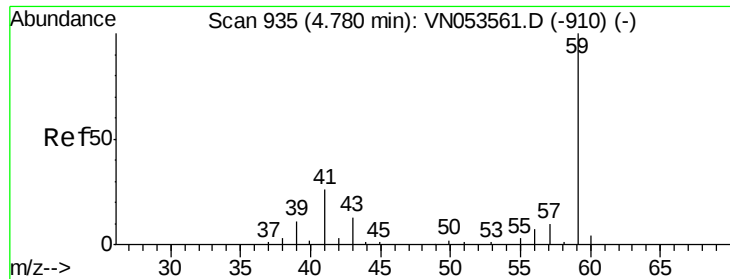
Acq: 12 Feb 2019 21:22

Tgt Ion:	142	Resp:	457369
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.4
141	13.9	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





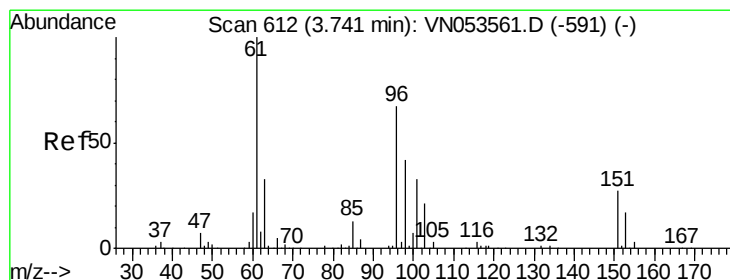
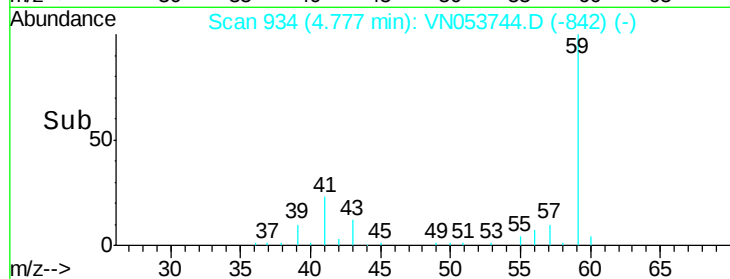
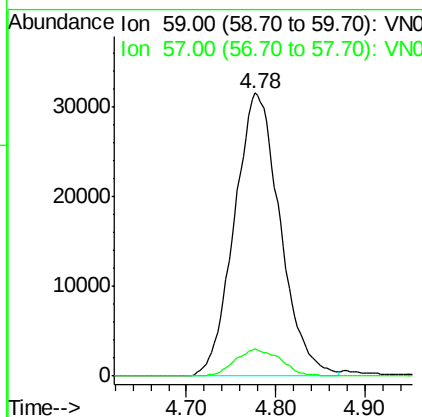
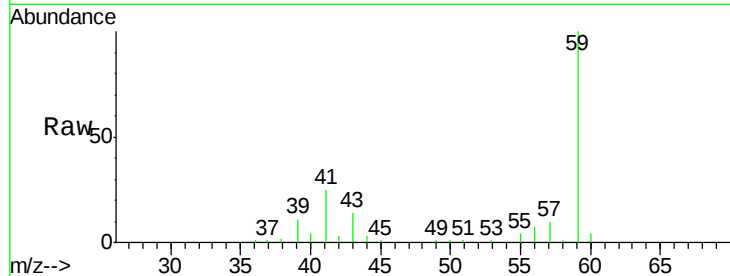
#11
Tert butyl alcohol
Concen: 313.695 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 112532
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.4

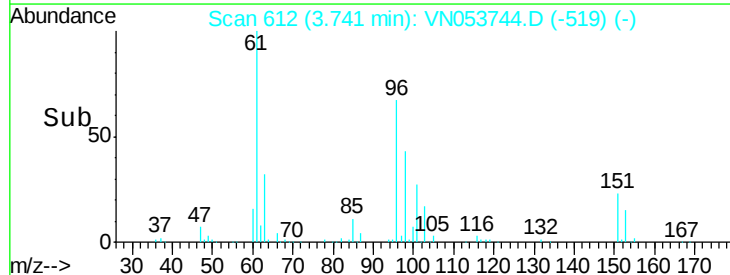
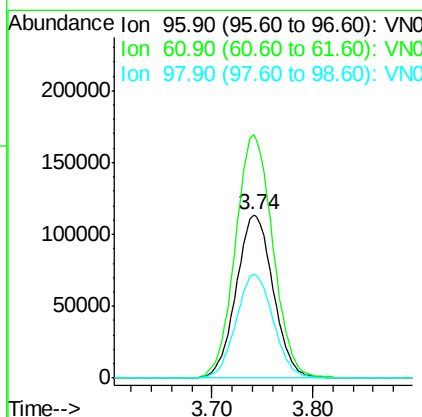
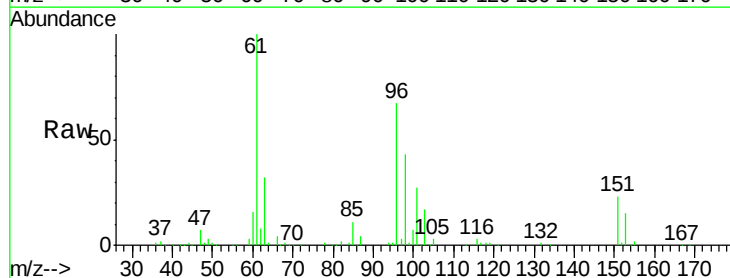
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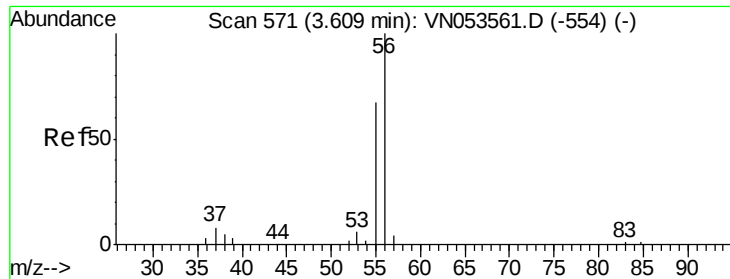
MMDadoda
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#12
1,1-Dichloroethene
Concen: 51.489 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 96 Resp: 288093
Ion Ratio Lower Upper
96 100
61 149.1 122.9 184.3
98 63.6 49.4 74.0





#13

Acrolein

Concen: 323.905 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 63263

Ion Ratio Lower Upper

56 100

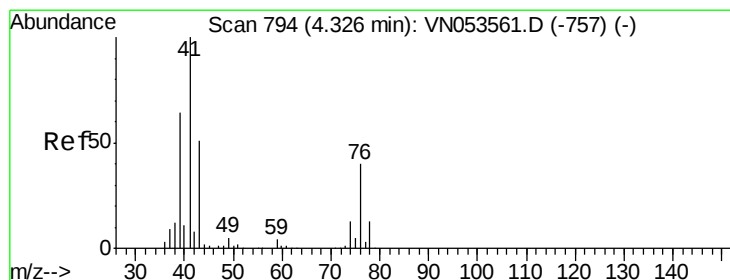
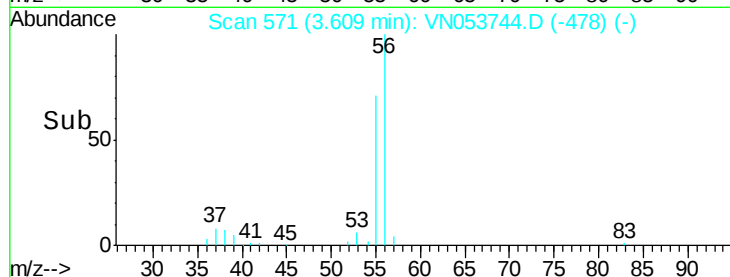
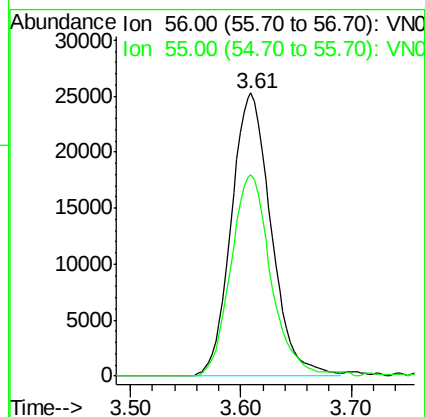
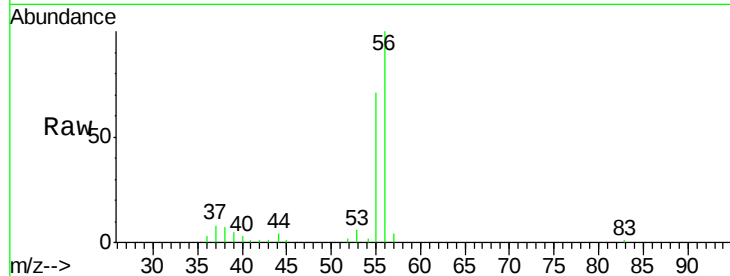
55 71.2 57.4 86.0

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2/13/2019 12:15:52 PM



#14

Allyl chloride

Concen: 48.921 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

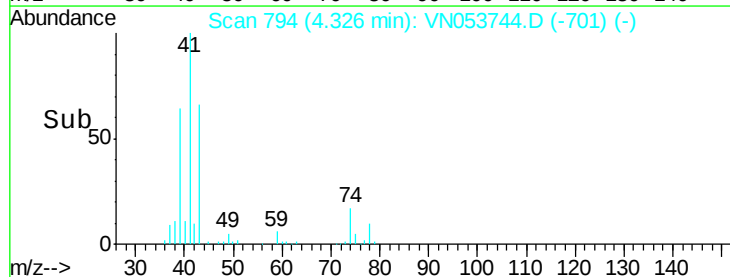
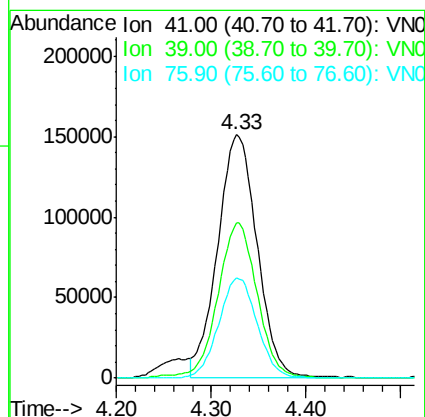
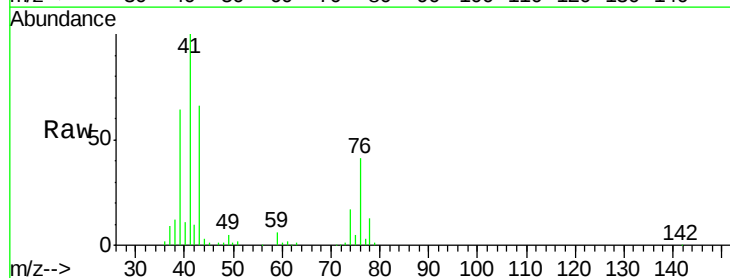
Tgt Ion: 41 Resp: 435825

Ion Ratio Lower Upper

41 100

39 64.6 48.9 73.3

76 39.6 29.4 44.2





#15

Acrylonitrile

Concen: 302.197 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

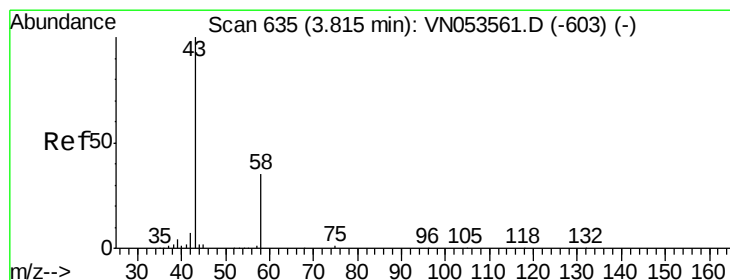
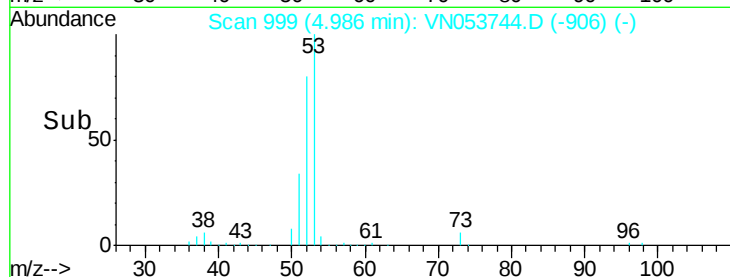
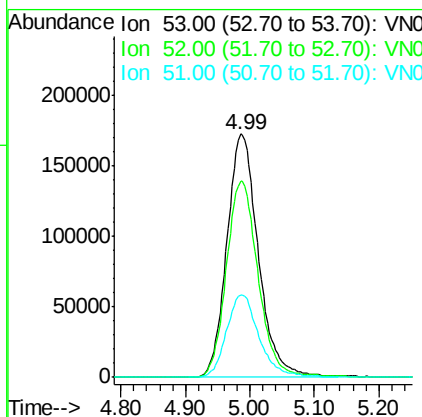
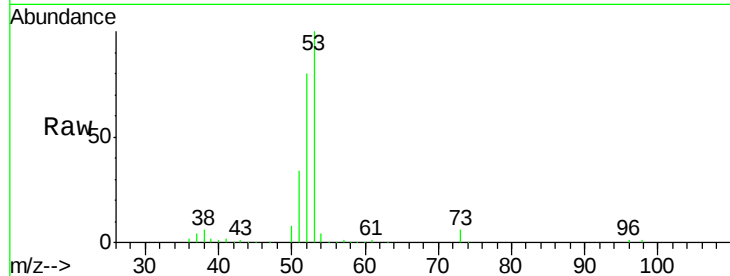
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	585238
Ion Ratio	Lower	Upper	
53	100		
52	81.1	66.0	99.0
51	35.2	28.3	42.5

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2/13/2019 12:15:52 PM



#16

Acetone

Concen: 241.935 ug/l

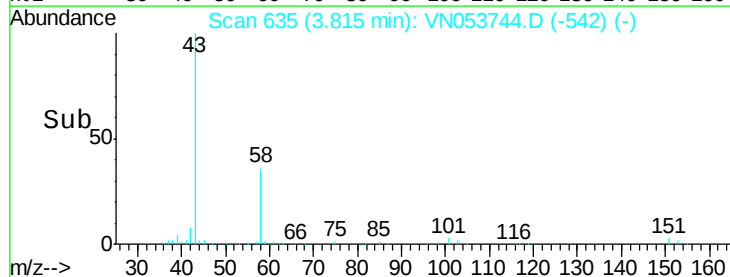
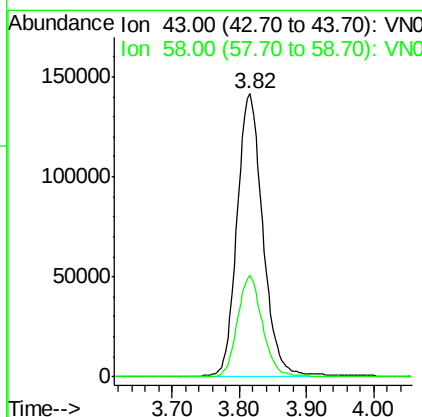
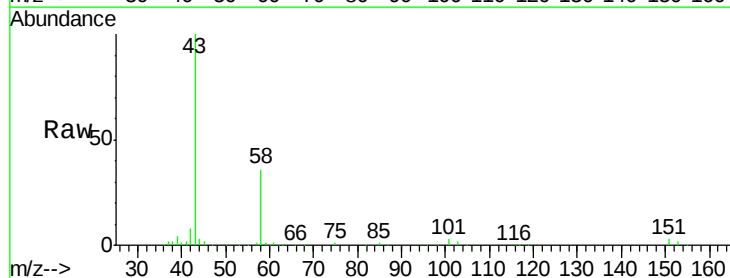
RT: 3.82 min Scan# 635

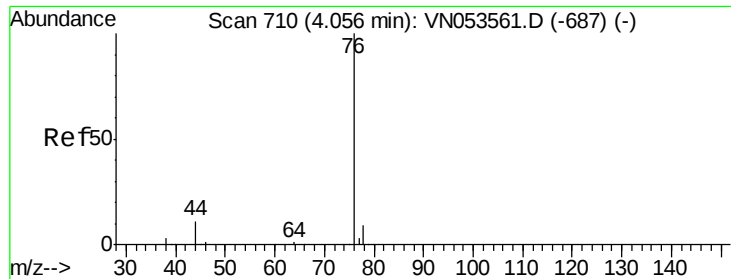
Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Tgt Ion:	43	Resp:	376155
Ion Ratio	Lower	Upper	
43	100		
58	35.8	27.1	40.7





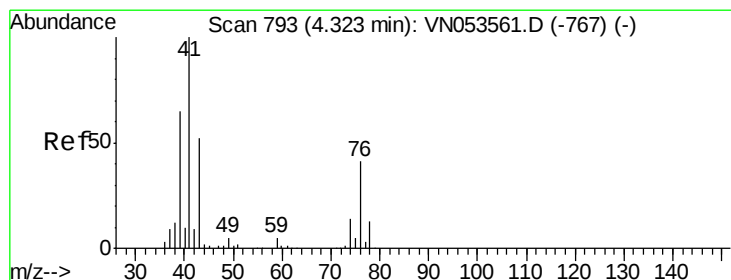
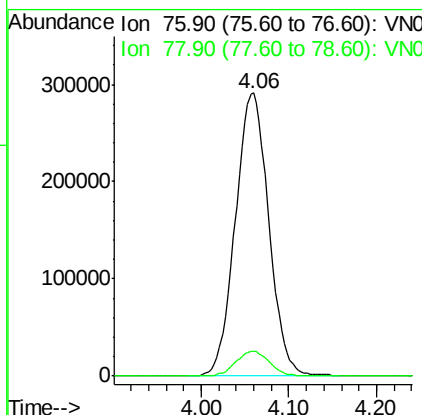
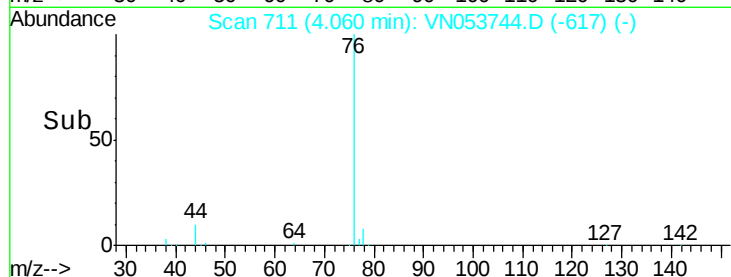
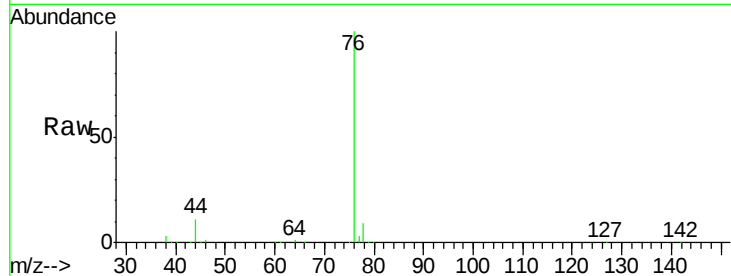
#17
Carbon Disulfide
Concen: 44.349 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

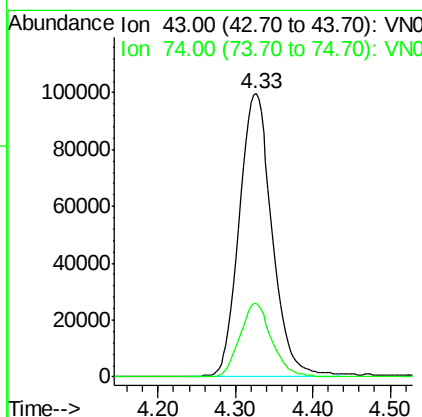
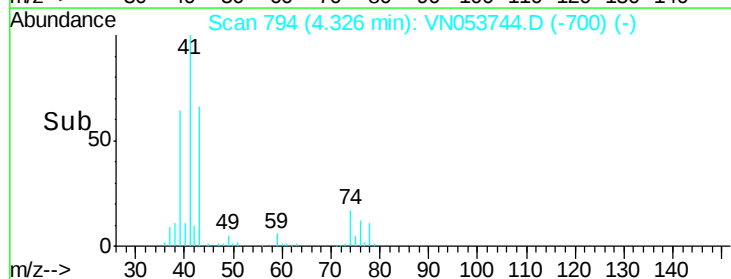
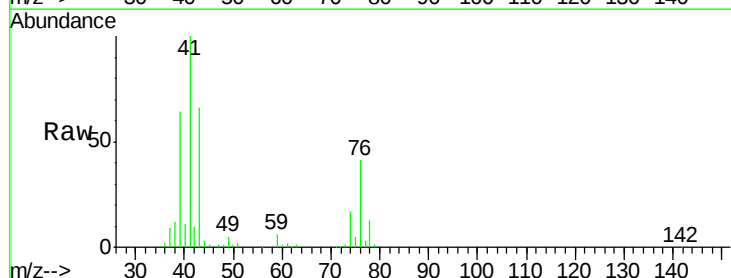
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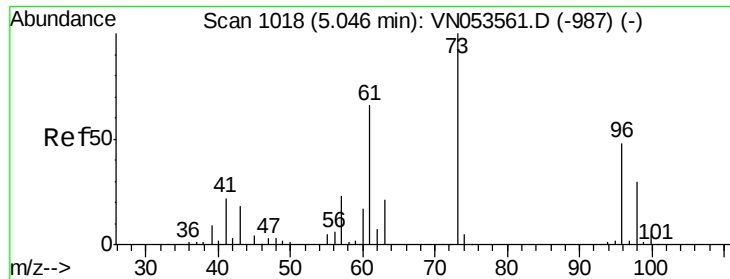
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2/13/2019 12:15:52 PM



#18
Methyl Acetate
Concen: 63.716 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.4	29.2





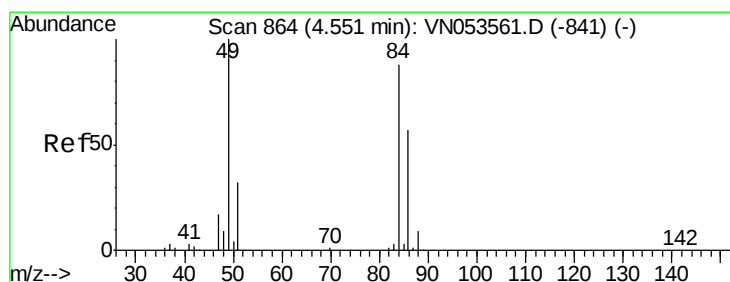
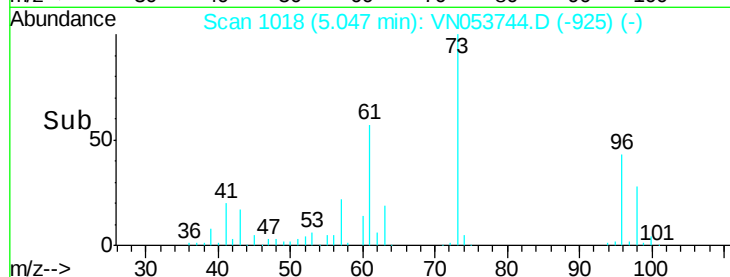
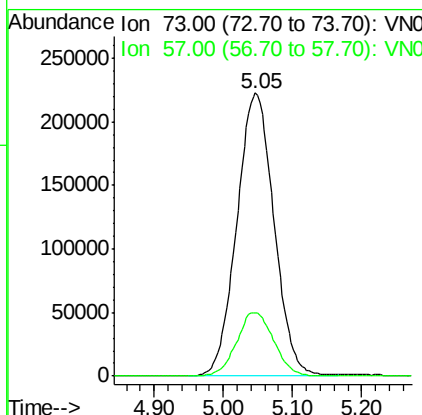
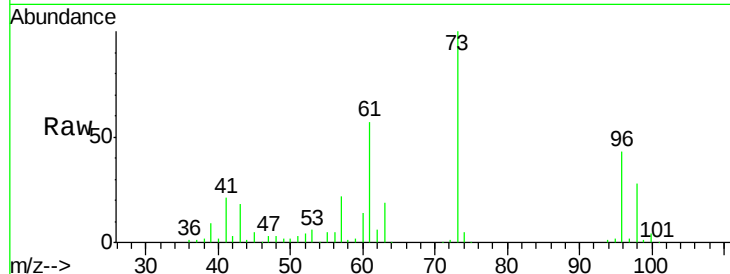
#19
Methvl tert-butvl Ether
Concen: 58.666 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 832117
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

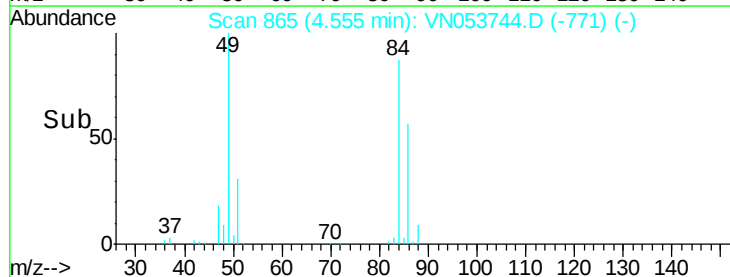
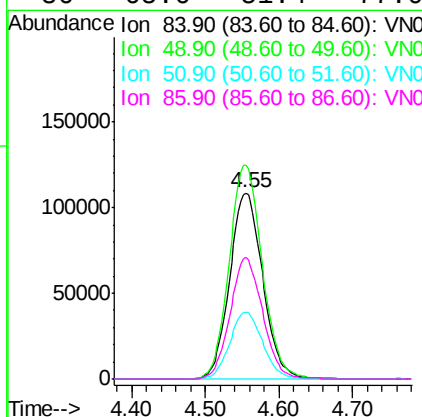
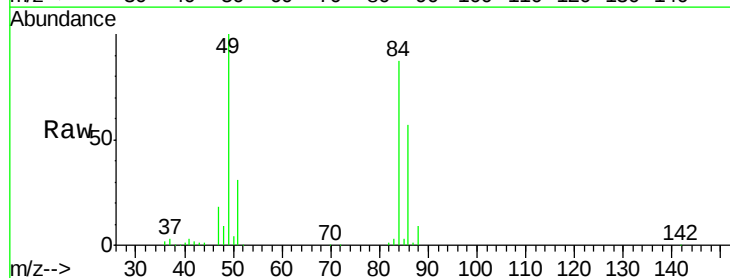
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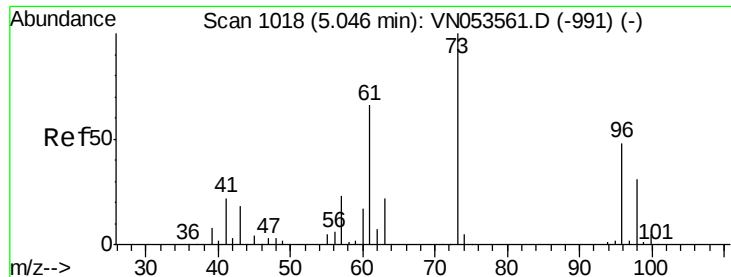
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#20
Methylene Chloride
Concen: 52.003 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 84 Resp: 339212
Ion Ratio Lower Upper
84 100
49 114.8 94.3 141.5
51 35.9 29.4 44.2
86 65.6 51.4 77.0





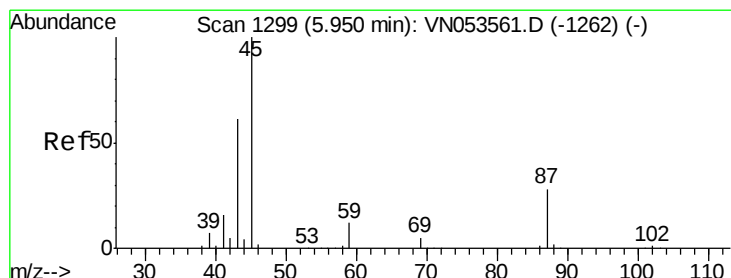
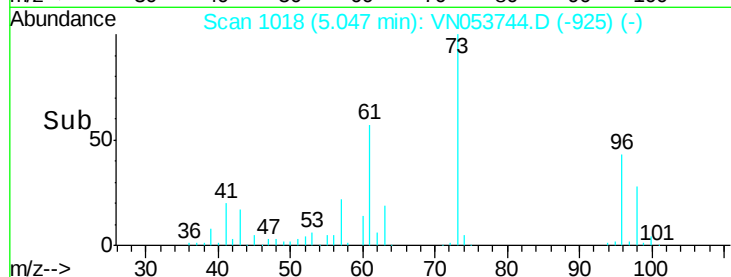
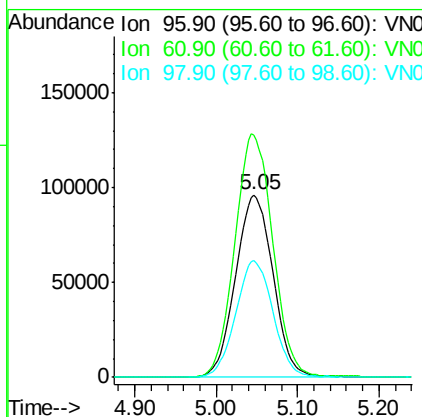
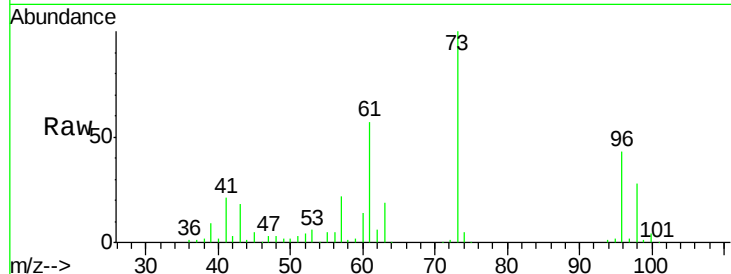
#21
trans-1,2-Dichloroethene
Concen: 50.708 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	110.1	165.1
98	64.1	50.0	75.0

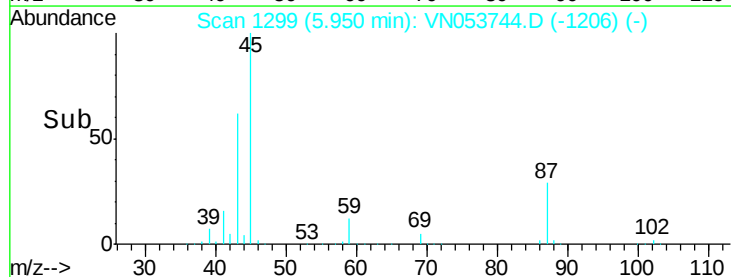
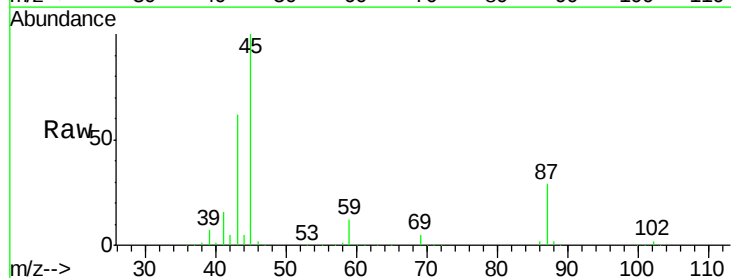
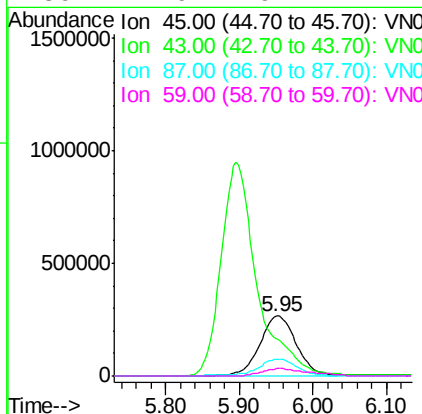
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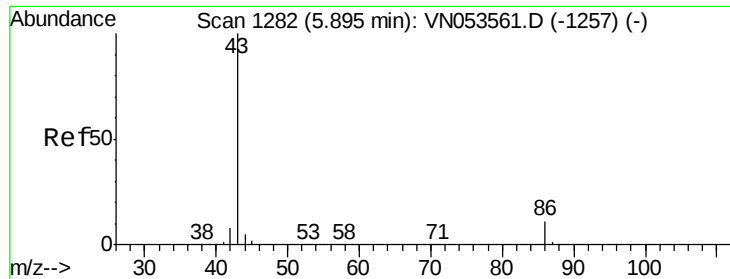
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2/13/2019 12:15:52 PM



#22
Diisopropyl ether
Concen: 56.026 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.3	44.2	66.4
87	28.0	22.7	34.1
59	11.9	9.4	14.2





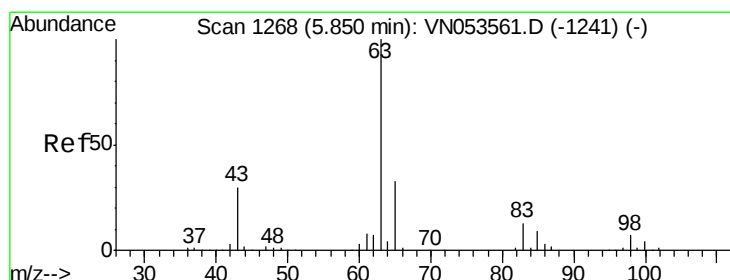
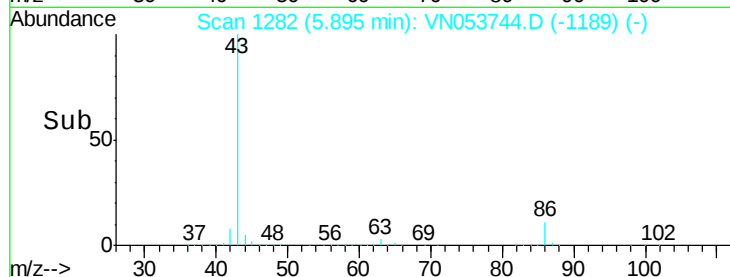
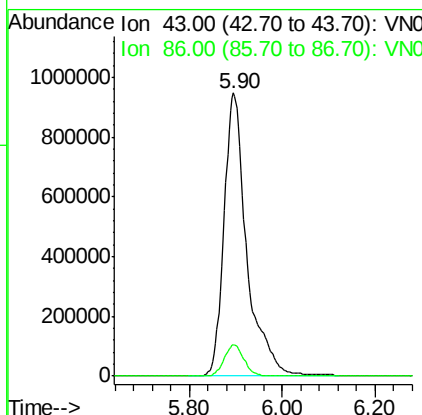
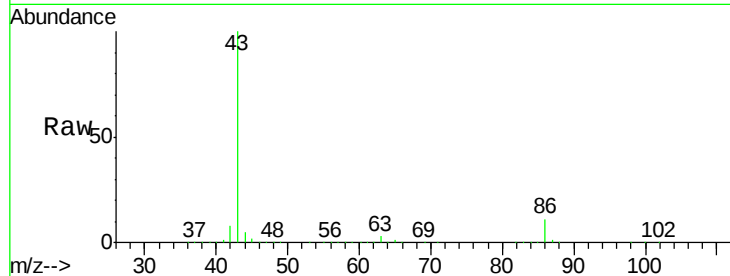
#23
 Vinyl Acetate
 Concen: 284.257 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3246044
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.4 12.6

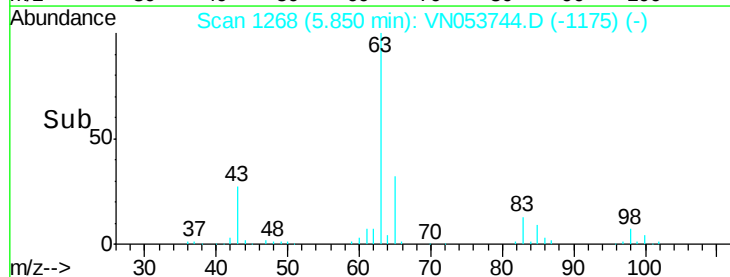
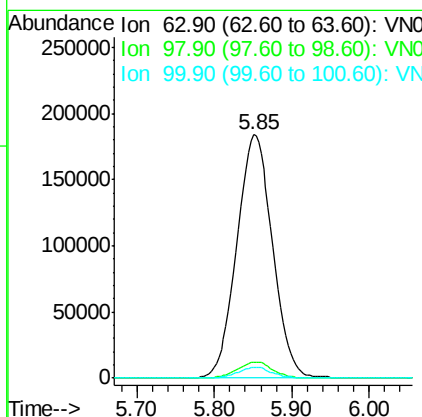
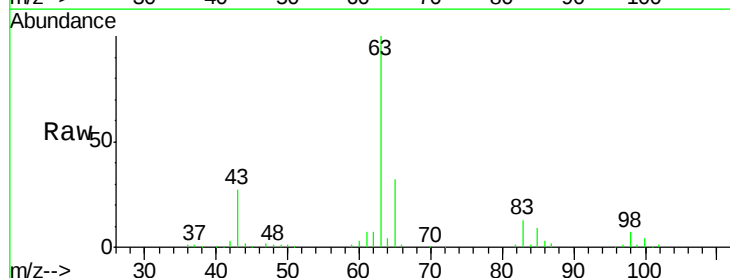
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#24
 1,1-Dichloroethane
 Concen: 53.540 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion: 63 Resp: 589484
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 282.626 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 626710

Ion Ratio Lower Upper

43 100

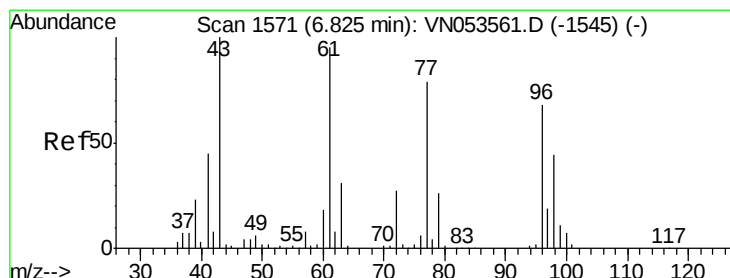
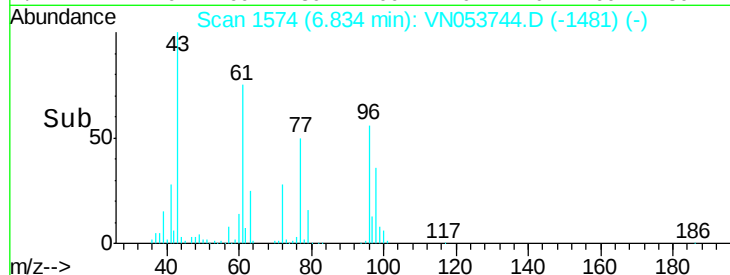
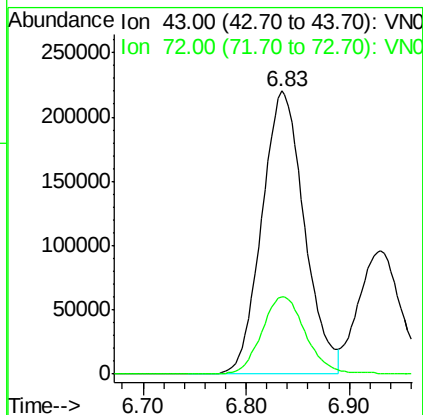
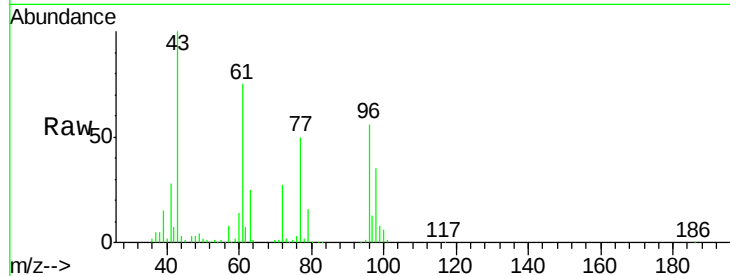
72 27.5 22.0 33.0

Manual Integrations

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2/13/2019 12:15:52 PM



#26

2,2-Dichloropropane

Concen: 44.279 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053744.D

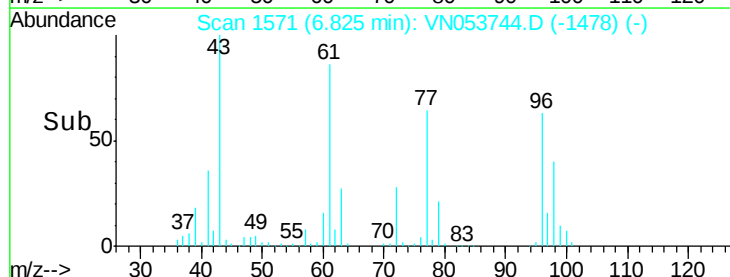
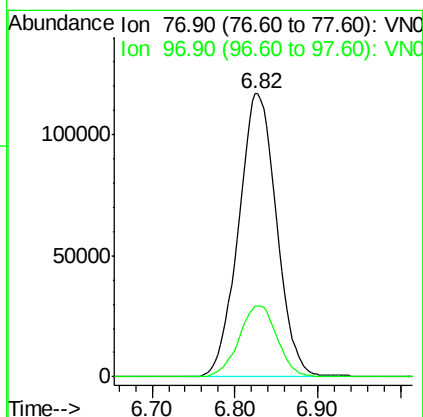
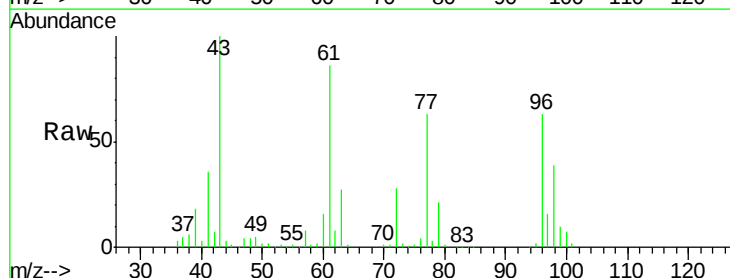
Acq: 12 Feb 2019 21:22

Tgt Ion: 77 Resp: 372153

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 53.776 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

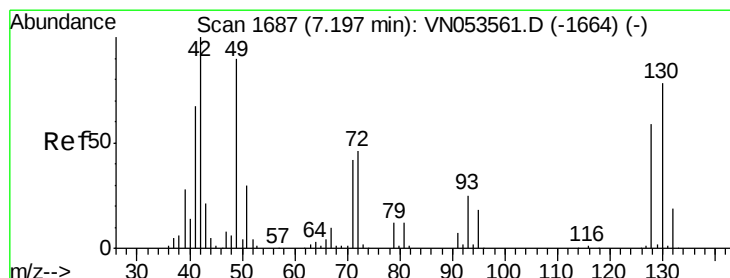
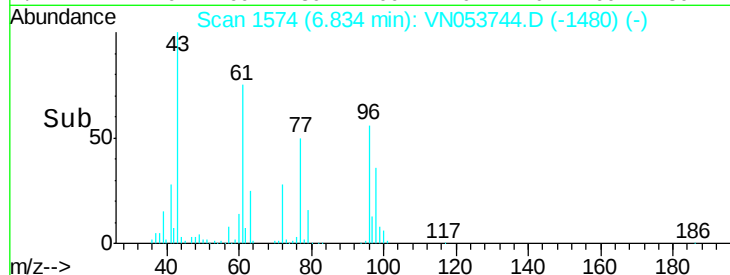
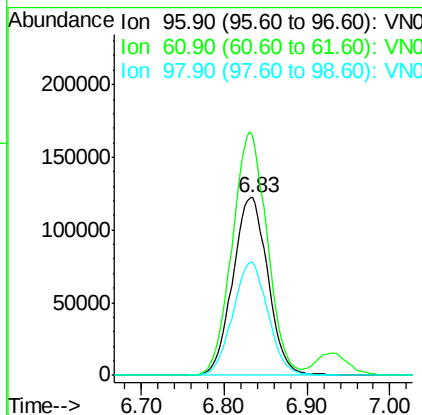
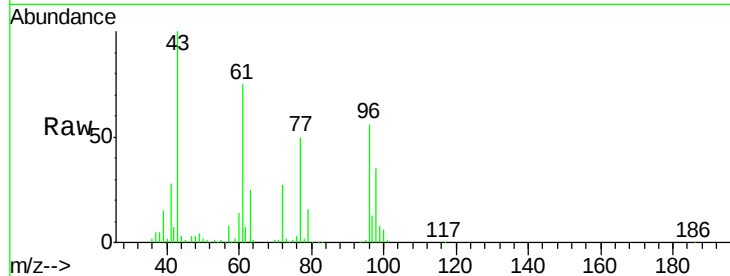
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	360963
Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	283.8
98	63.6	0.0	129.2

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#28

Bromochloromethane

Concen: 54.434 ug/l

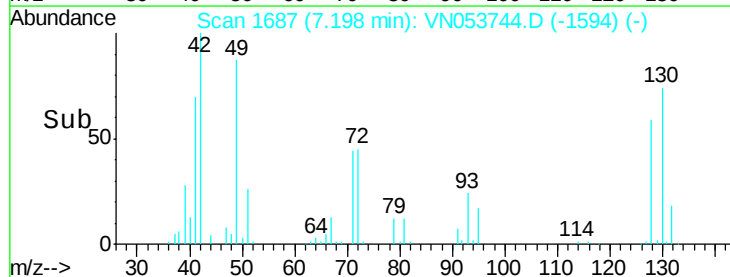
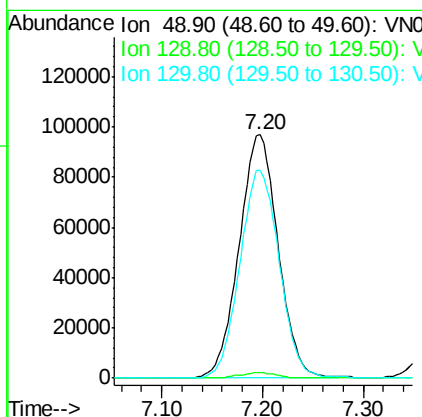
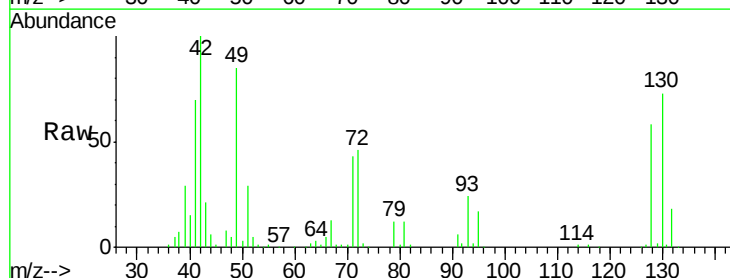
RT: 7.20 min Scan# 1687

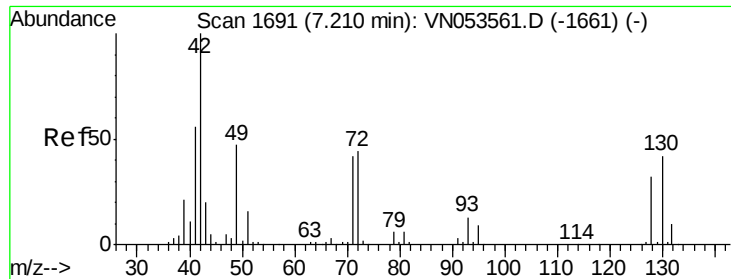
Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Tgt Ion:	49	Resp:	260082
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	86.4	66.3	99.5





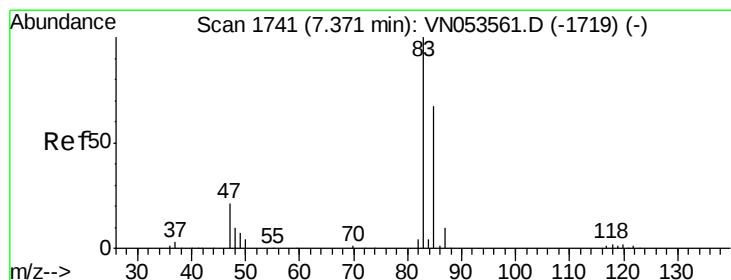
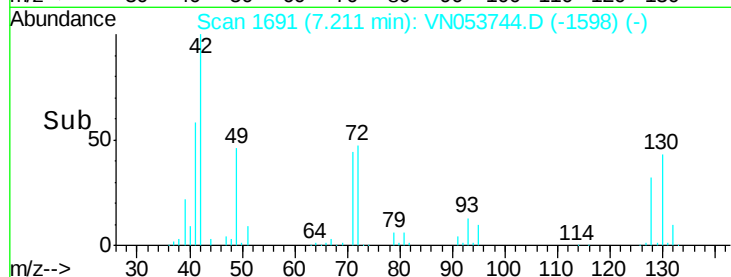
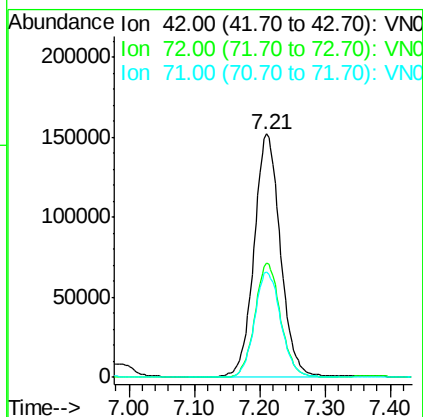
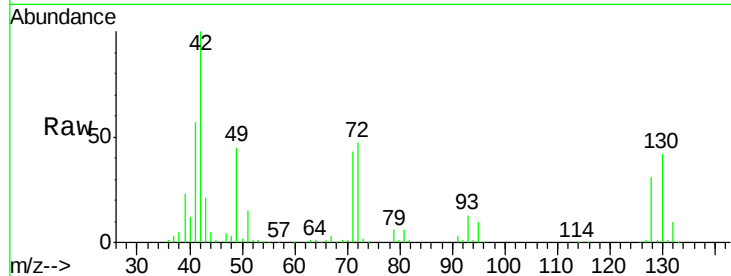
#29
Tetrahydrofuran
Concen: 299.009 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	35.2	52.8
71	43.2	33.0	49.4

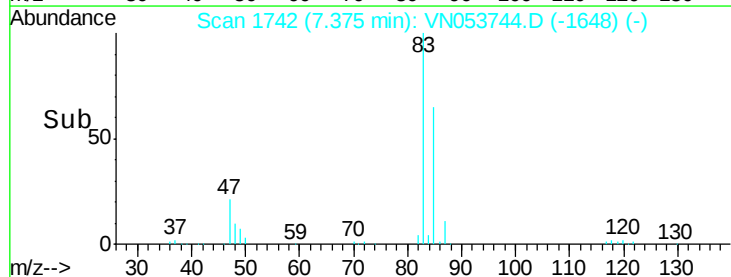
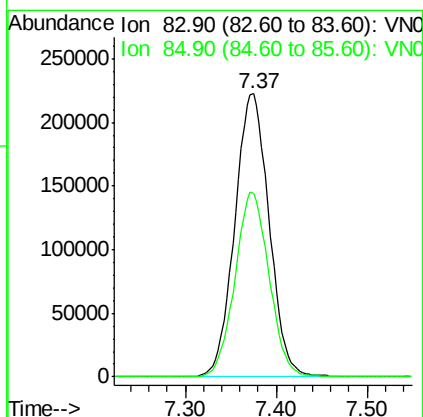
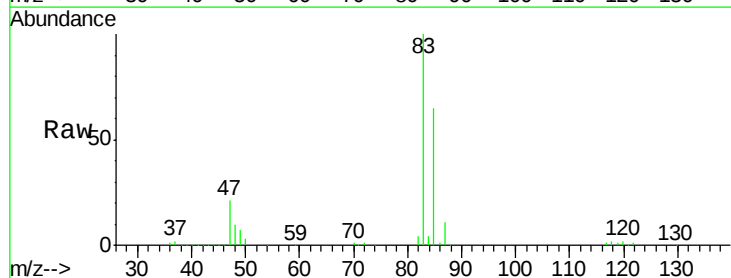
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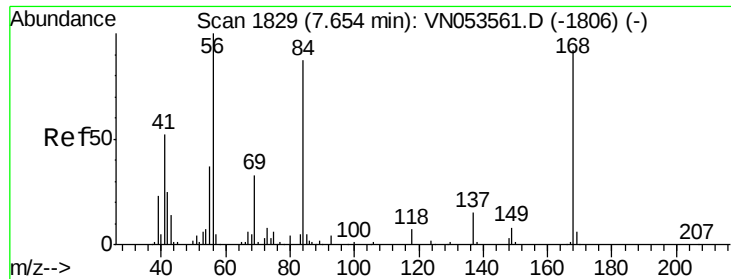
MMDadoda
2/13/2019 12:15:52 PM



#30
Chloroform
Concen: 53.435 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2





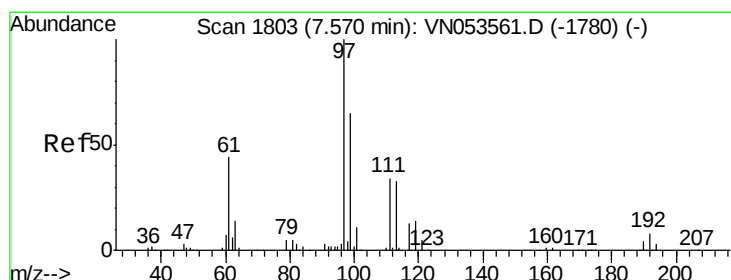
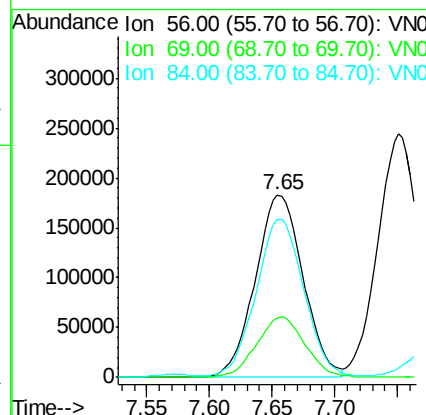
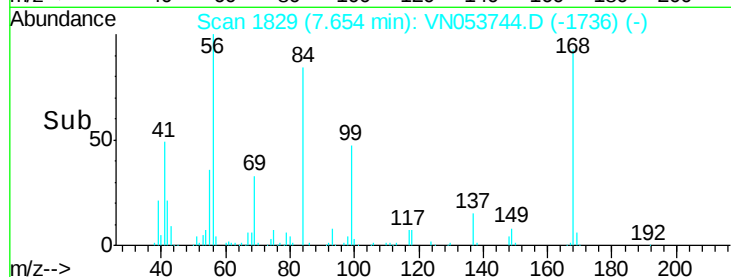
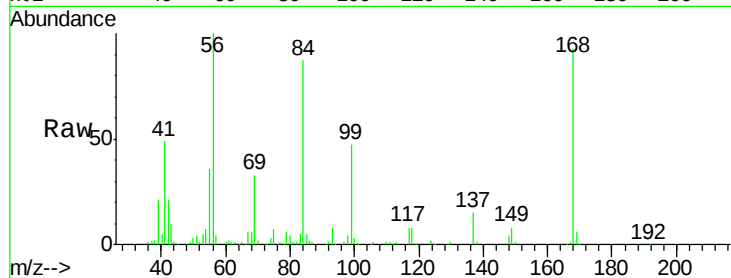
#31
Cyclohexane
Concen: 47.371 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.6	26.4	39.6	
84	85.5	67.9	101.9	

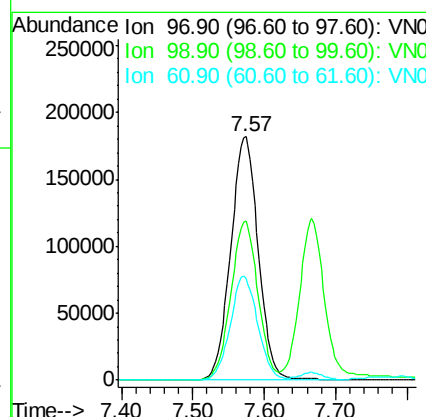
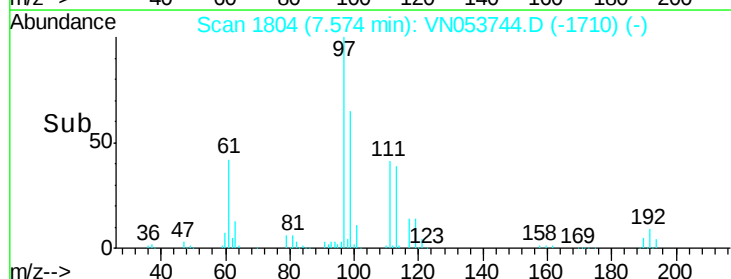
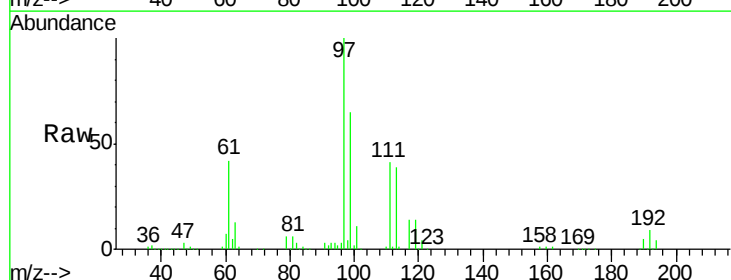
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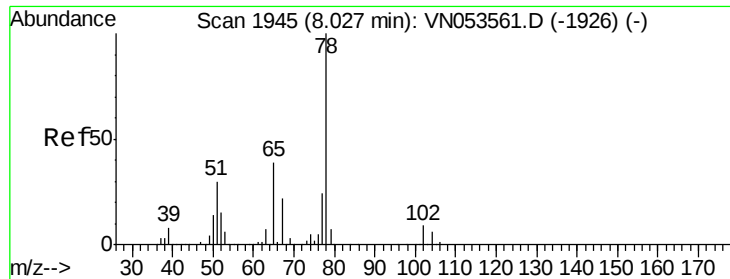
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#32
1,1,1-Trichloroethane
Concen: 53.858 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.2	52.0	78.0	
61	42.5	34.4	51.6	





#33

1,2-Dichloroethane-d4

Concen: 54.757 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 331908

Ion Ratio Lower Upper

65 100

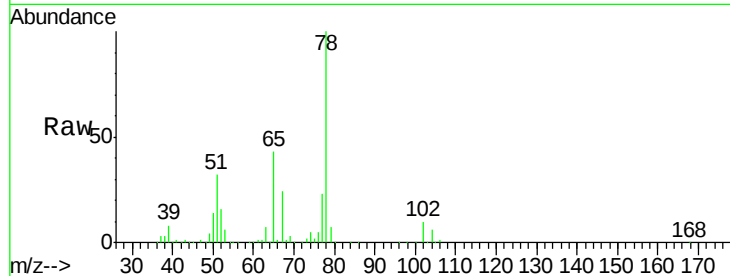
67 55.6 0.0 111.2

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2/13/2019 12:15:52 PM



Abundance Ion 64.90 (64.60 to 65.60): VN053744.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053744.D (-1852) (-)

8.03

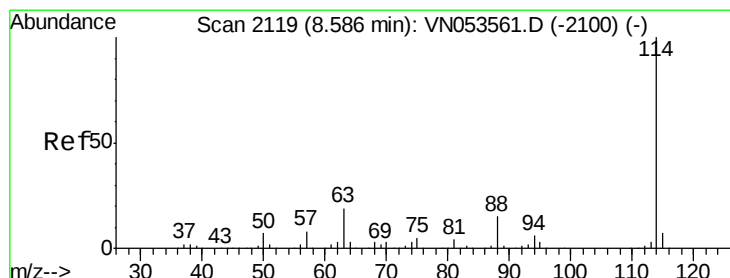
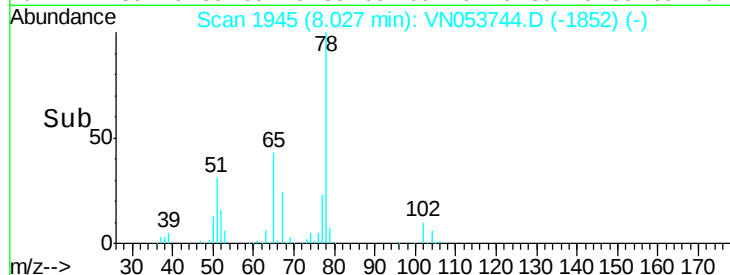
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

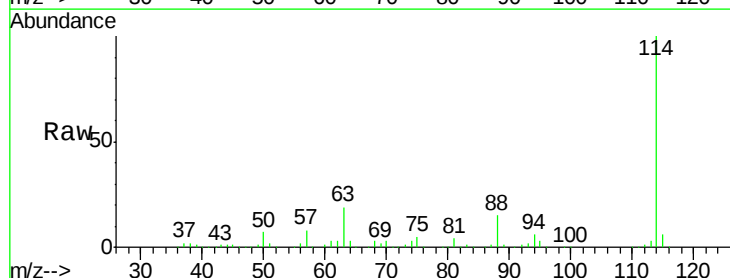
Tgt Ion: 114 Resp: 996025

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053744.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053744.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053744.D (-2026) (-)

8.59

600000

500000

400000

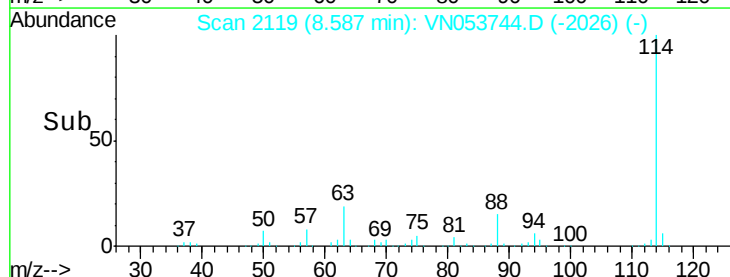
300000

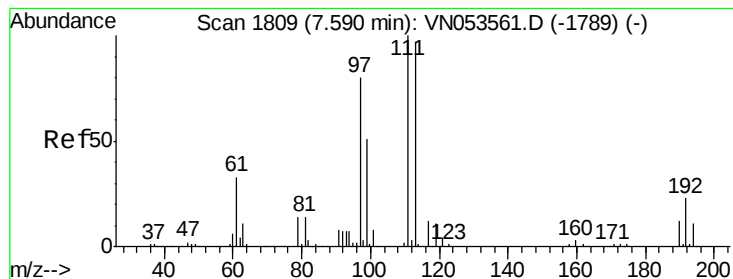
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.073 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 315138

Ion Ratio Lower Upper

113 100

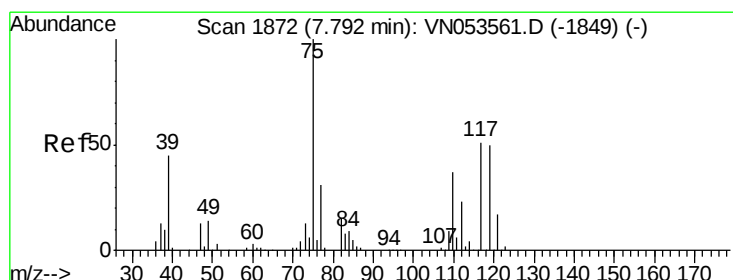
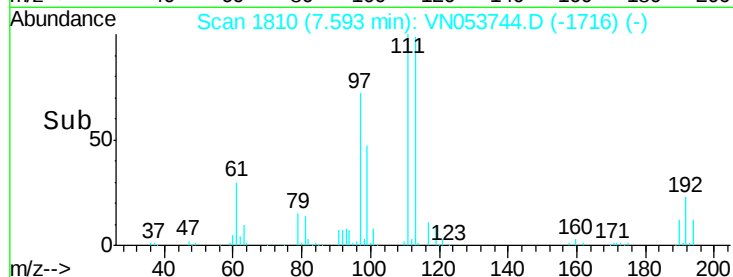
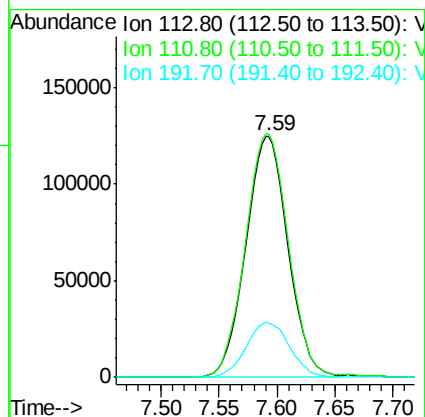
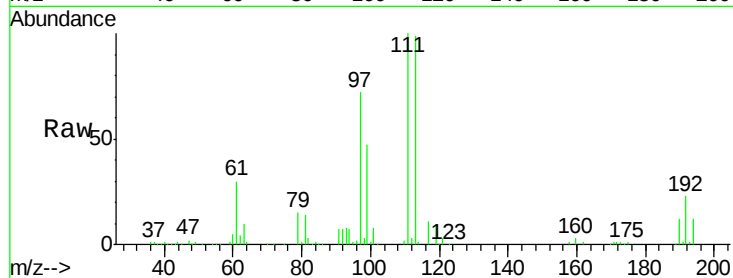
111 104.0 81.1 121.7

192 23.5 18.2 27.2

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2/13/2019 12:15:52 PM



#36

1,1-Dichloropropene

Concen: 46.787 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

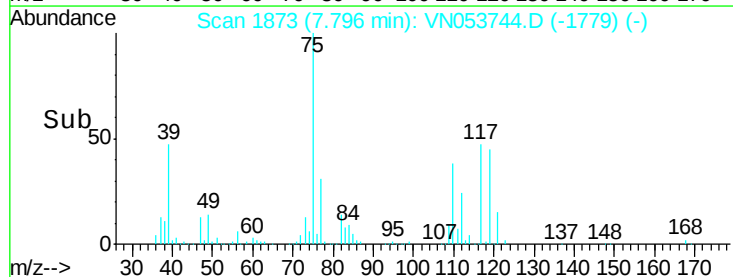
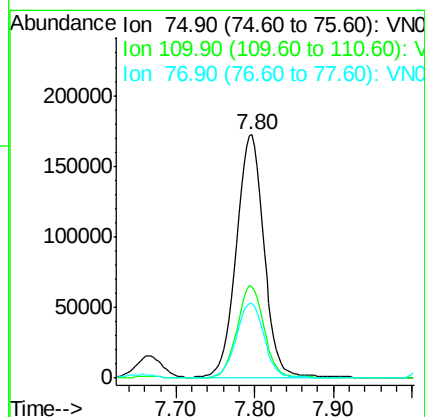
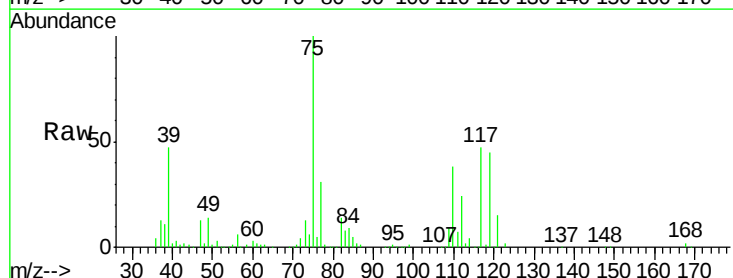
Tgt Ion: 75 Resp: 420077

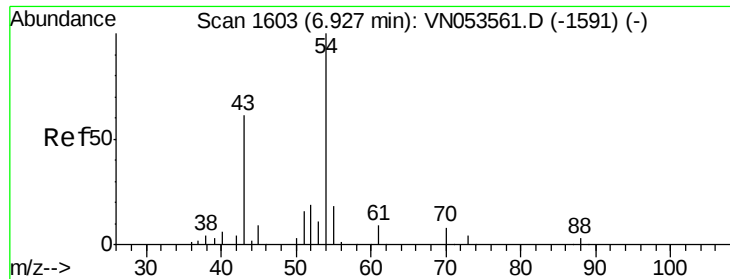
Ion Ratio Lower Upper

75 100

110 37.4 18.1 54.3

77 31.2 25.1 37.7





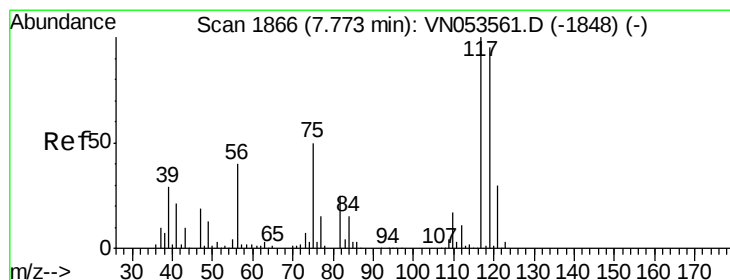
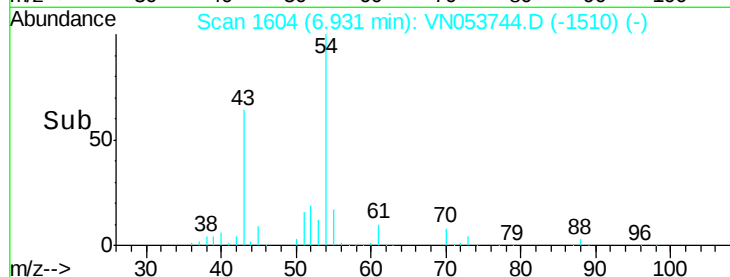
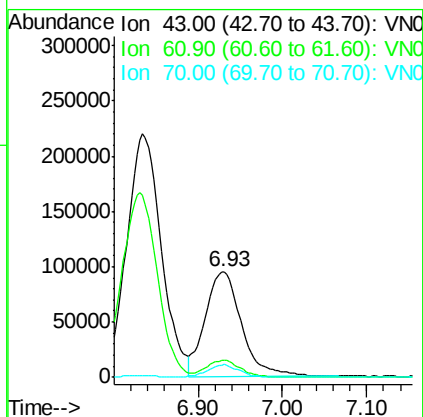
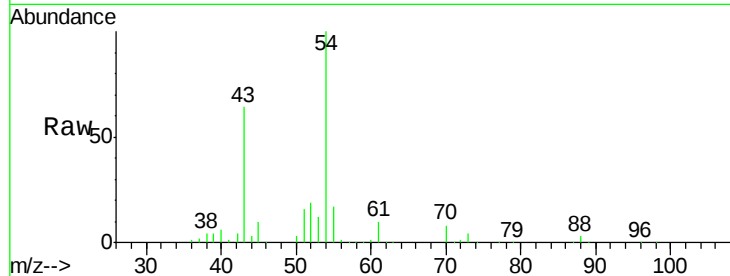
#37
Ethyl Acetate
Concen: 56.407 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.8	17.6
70	10.5	8.6	12.8

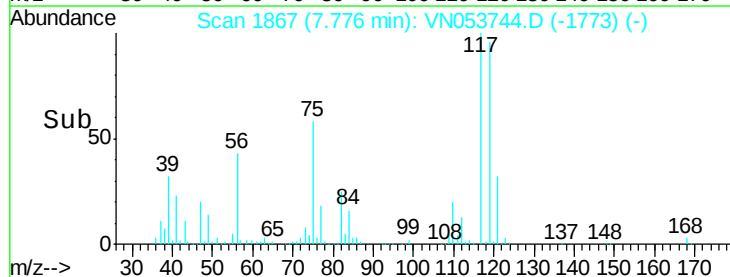
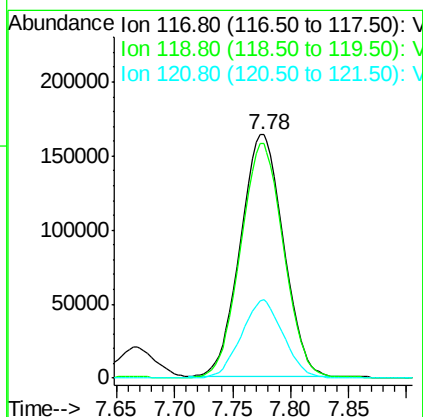
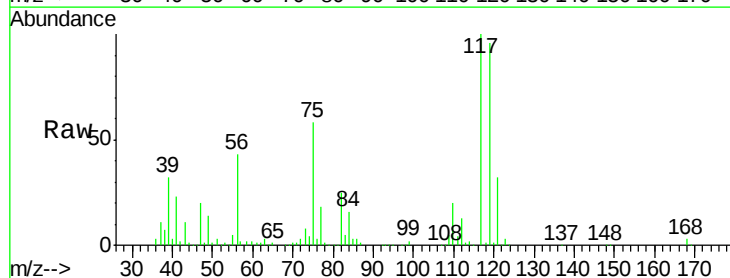
Manual Integrations
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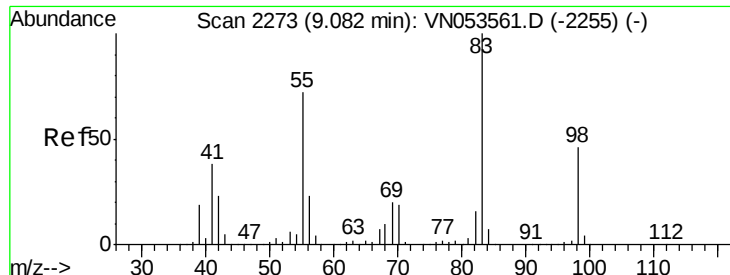
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.862 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.2	115.8
121	32.4	24.6	37.0





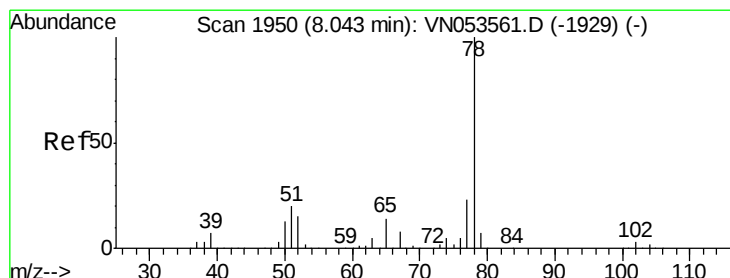
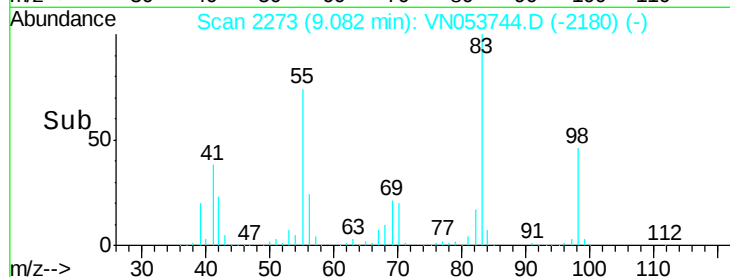
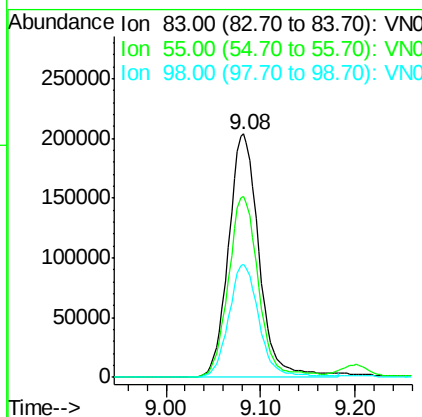
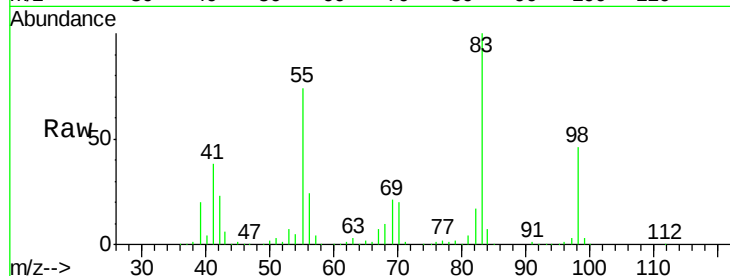
#39
Methvlcvclohexane
Concen: 42.927 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	60.1	90.1
98	46.5	36.6	55.0

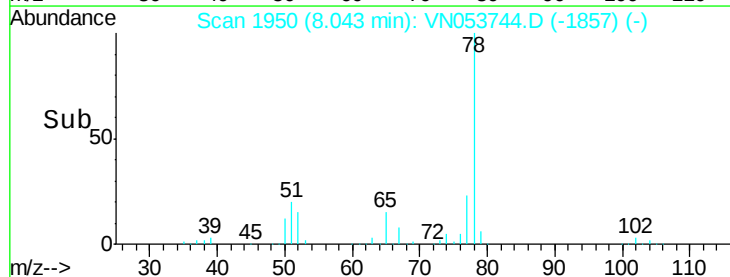
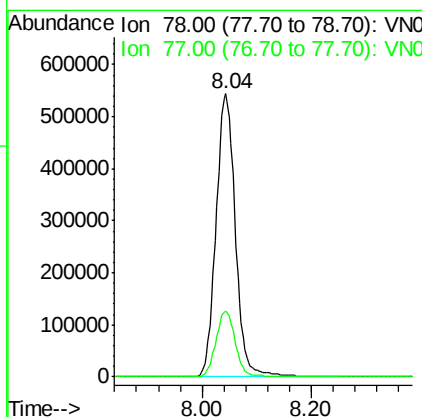
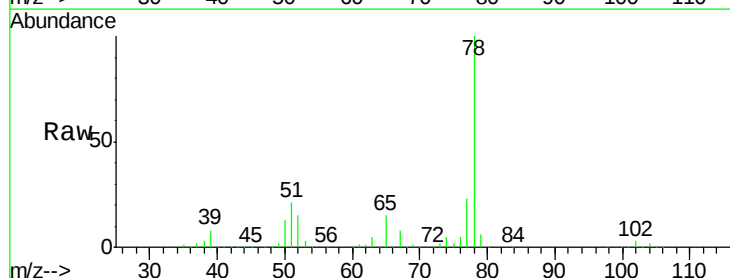
Manual Integrations
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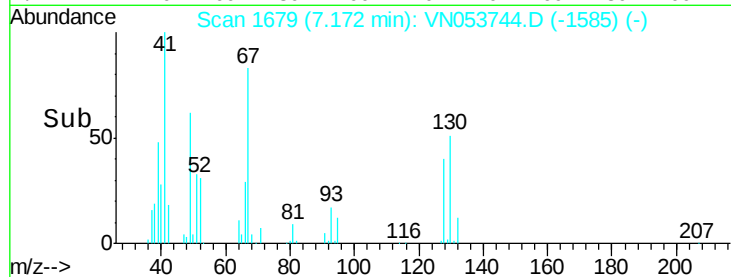
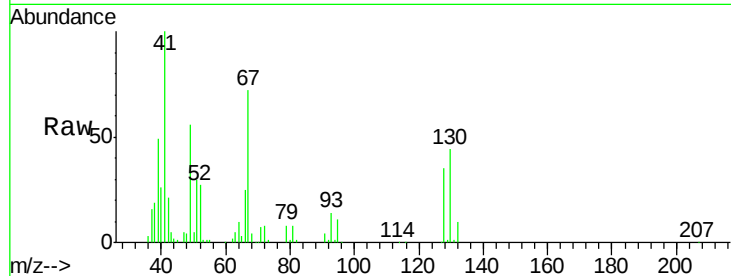
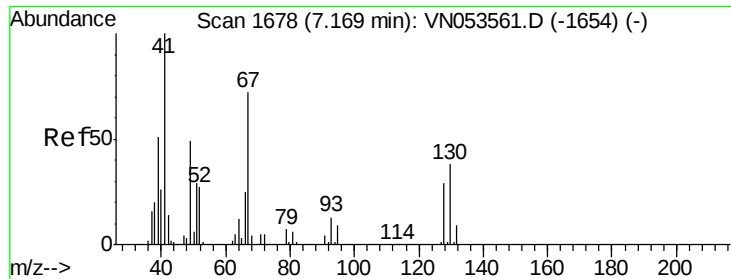
MMDadoda
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#40
Benzene
Concen: 48.231 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





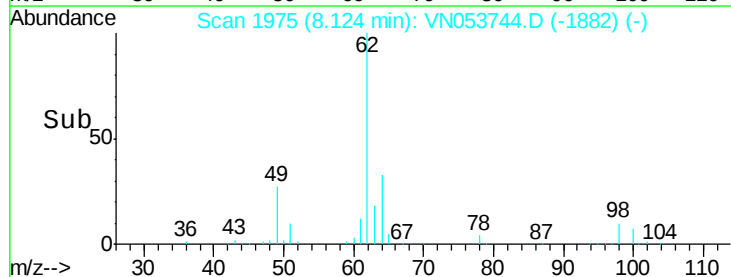
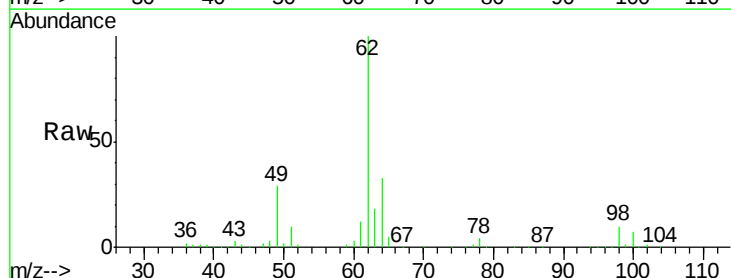
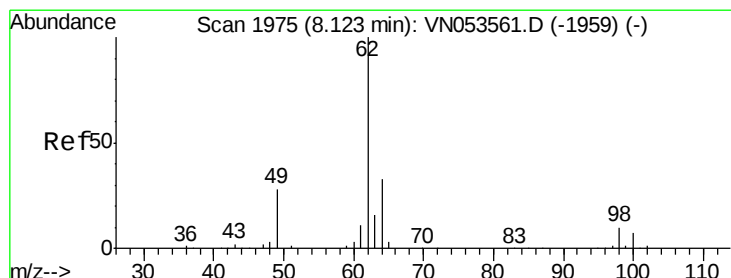
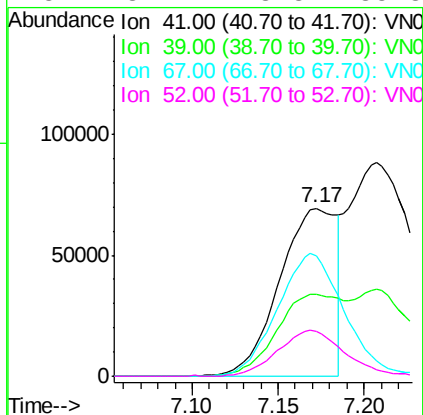
#41
Methacrylonitrile
Concen: 57.054 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tot Ion	41	Resp	159902
Ion Ratio	100	Lower	Upper
41	100		
39	58.3	46.8	70.2
67	86.2	63.0	94.6
52	31.4	23.8	35.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

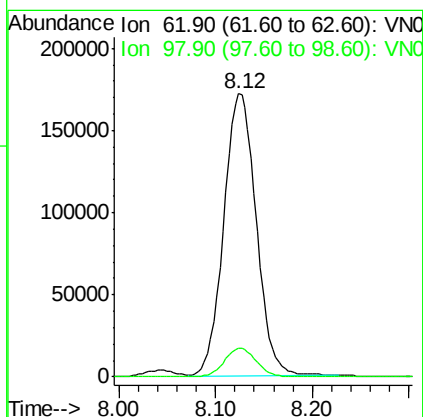
Manual Integrations
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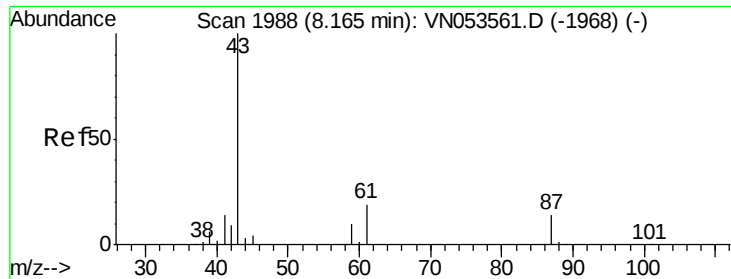
MMDadoda
2/13/2019 12:15:52 PM



#42
1,2-Dichloroethane
Concen: 48.631 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	62	Resp	399795
Ion Ratio	100	Lower	Upper
62	100		
98	10.0	0.0	19.6





#43

Isopropyl Acetate

Concen: 52.608 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

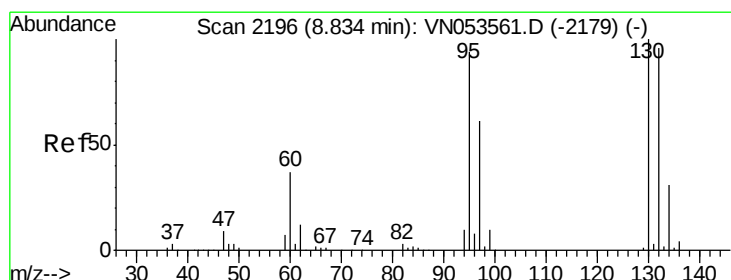
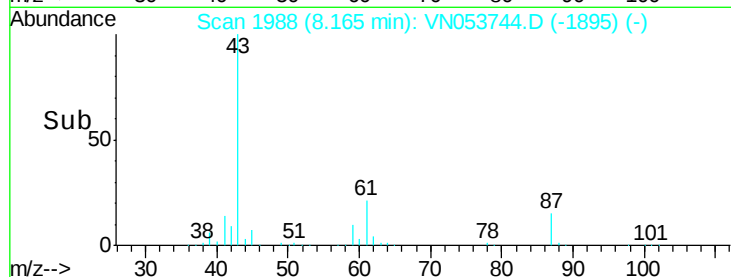
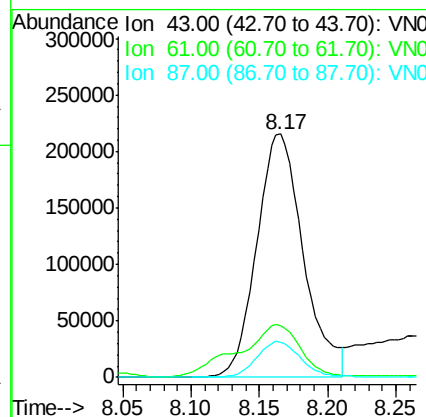
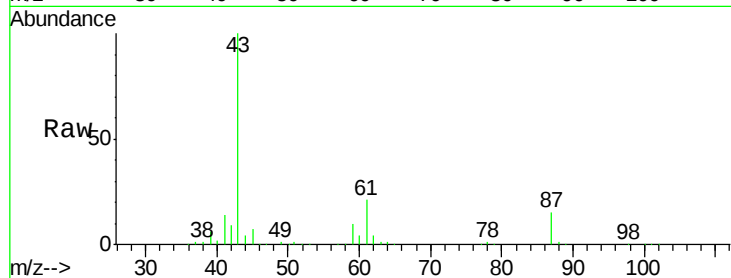
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	509470
Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.9	35.9
87	14.0	11.0	16.6

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#44

Trichloroethene

Concen: 47.249 ug/l

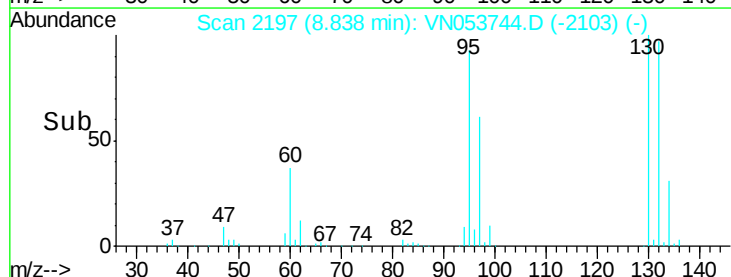
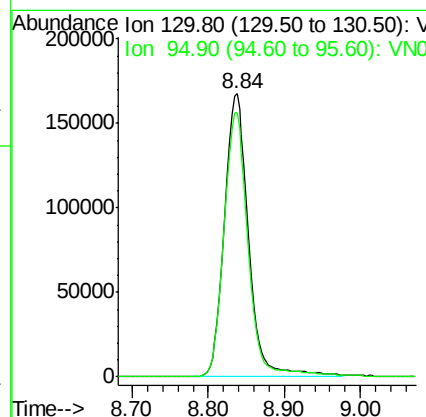
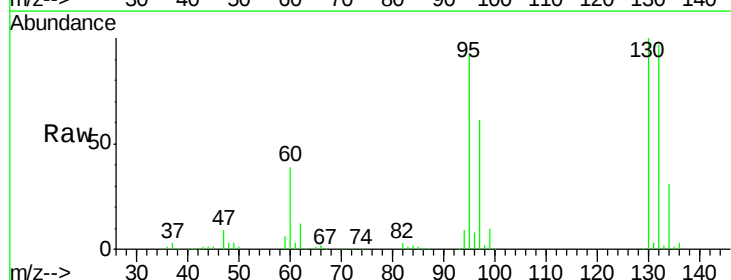
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Tgt Ion:	130	Resp:	372439
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	191.4





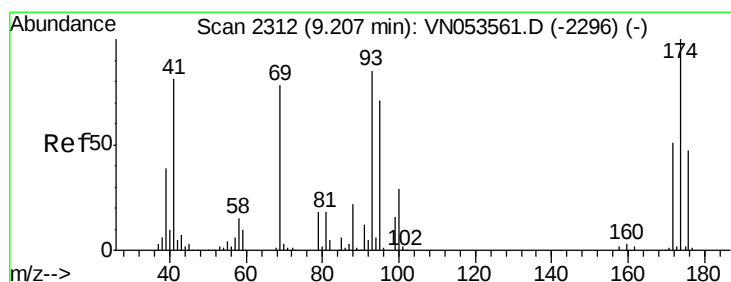
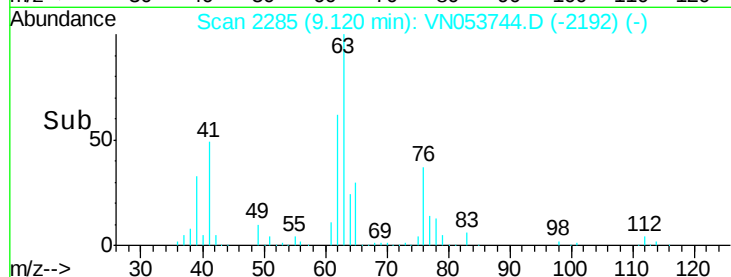
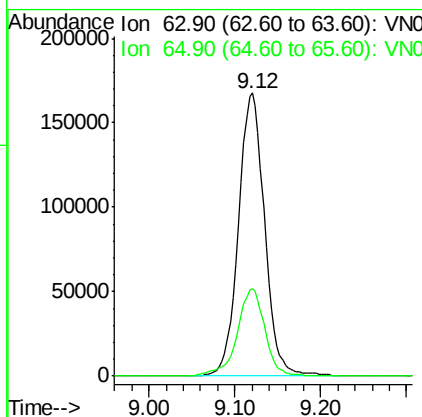
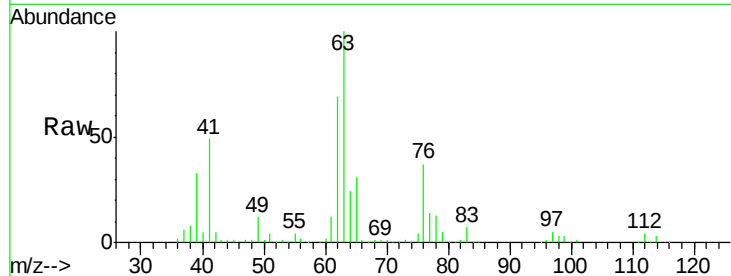
#45
 1,2-Dichloropropane
 Concen: 50.101 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 354799
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

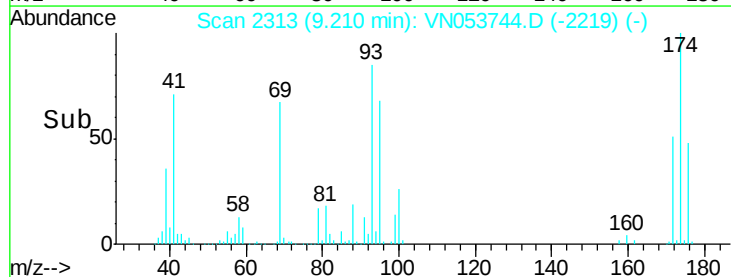
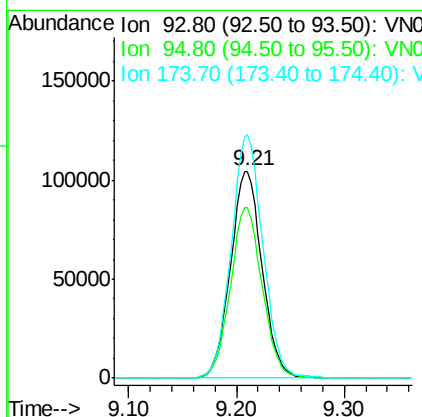
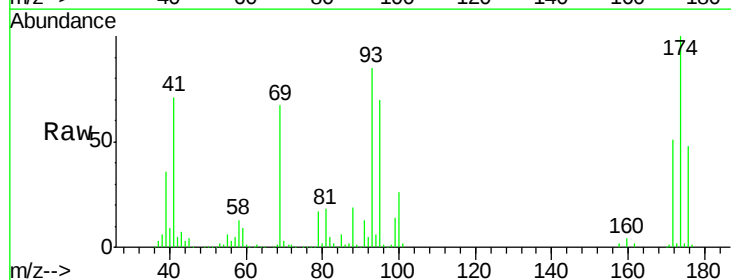
Manual Integrations
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#46
 Dibromomethane
 Concen: 50.001 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion: 93 Resp: 213453
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.3 100.9
 174 118.2 91.0 136.4





#47

Bromodichloromethane

Concen: 50.646 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 449540

Ion Ratio Lower Upper

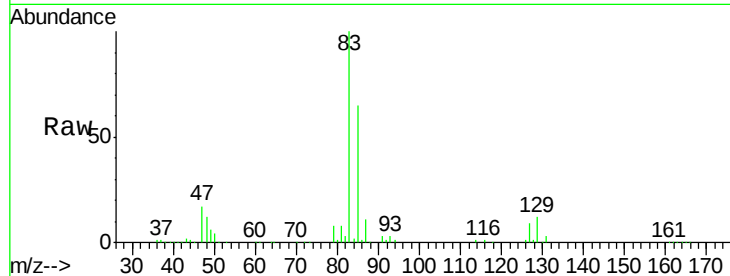
83 100

85 65.1 51.0 76.6

127 9.1 7.0 10.6

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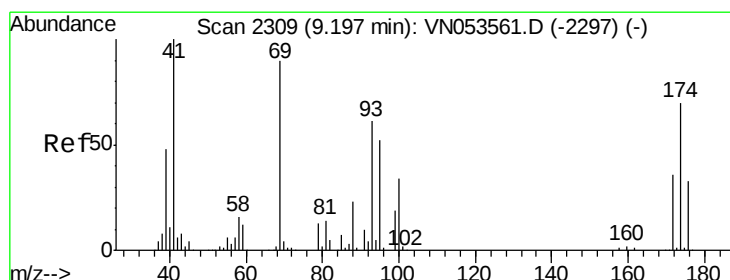
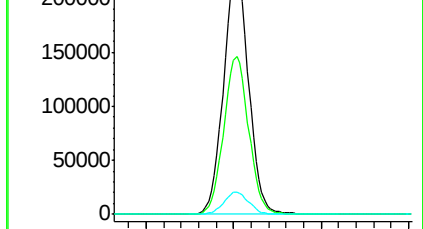
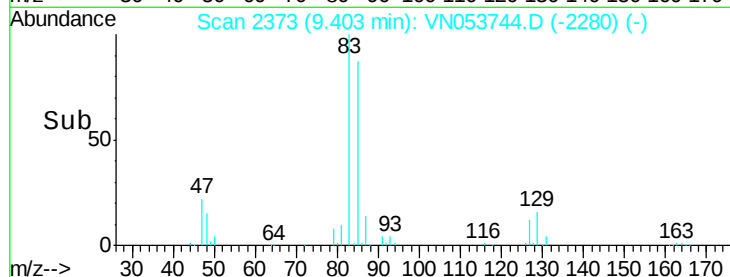


Abundance Ion 82.90 (82.60 to 83.60): VN053744.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053744.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053744.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 54.413 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

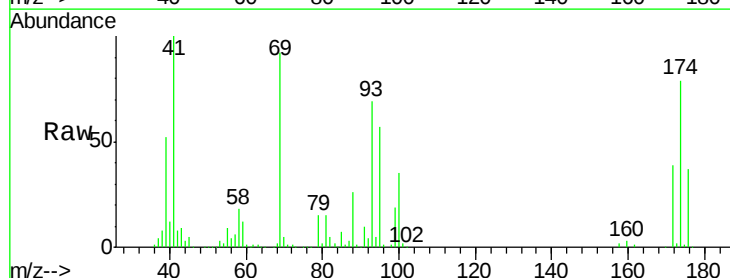
Tgt Ion: 41 Resp: 251532

Ion Ratio Lower Upper

41 100

69 93.8 73.8 110.6

39 50.8 40.0 60.0

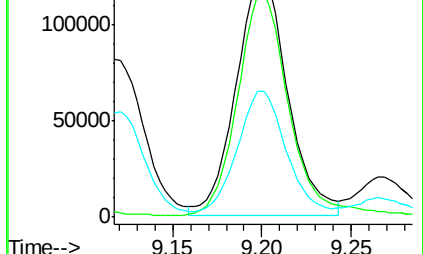
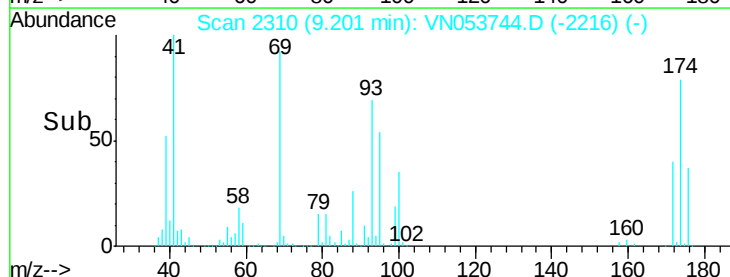


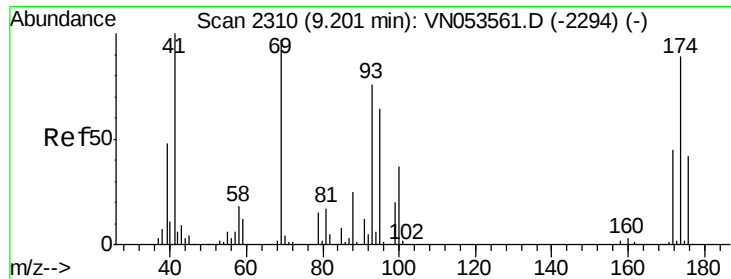
Abundance Ion 41.00 (40.70 to 41.70): VN053744.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053744.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053744.D (-2216) (-)

Time-->





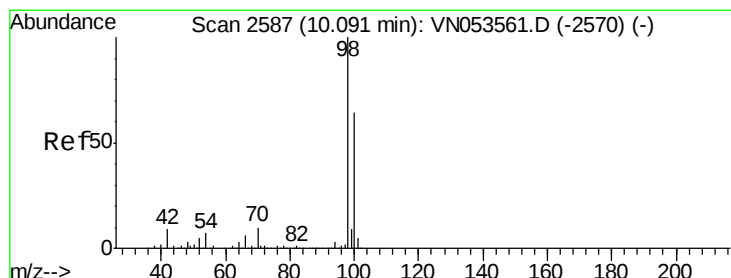
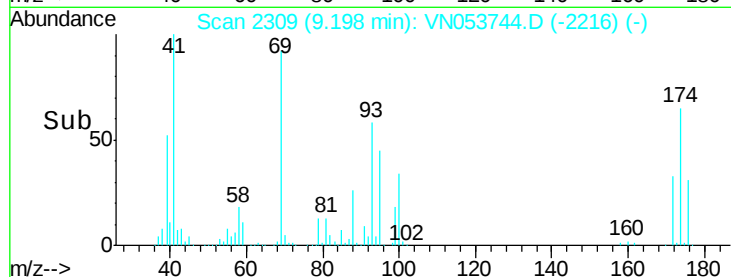
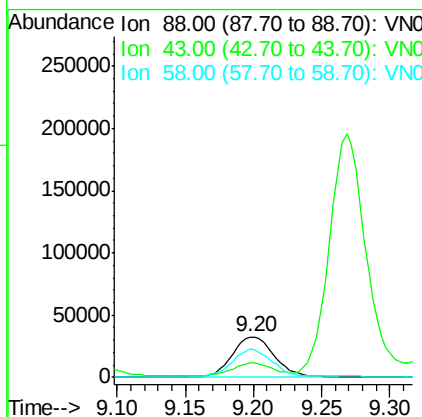
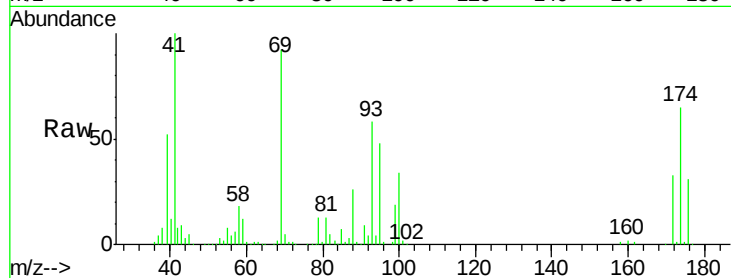
#49
 1,4-Dioxane
 Concen: 1044.465 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	27.8	41.6
58	68.2	56.5	84.7

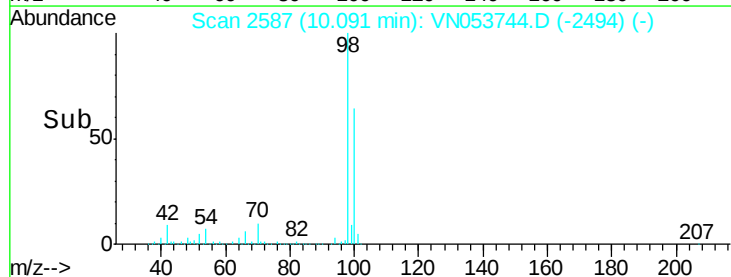
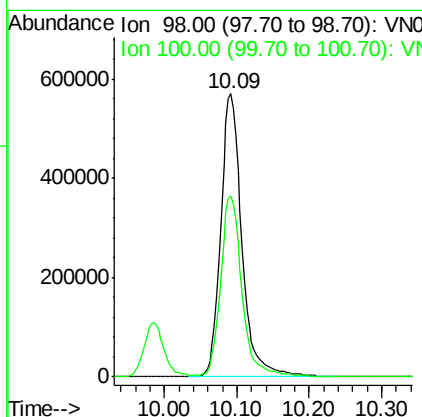
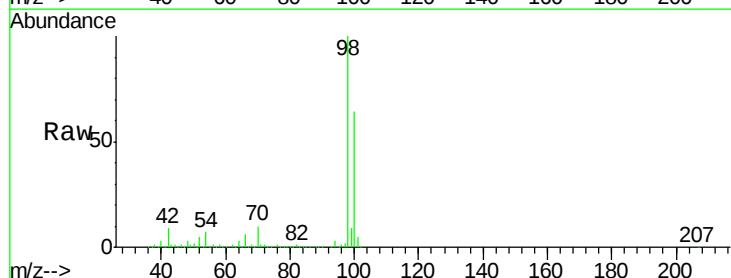
Manual Integrations
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#50
 Toluene-d8
 Concen: 48.745 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 283.598 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1349593

Ion Ratio Lower Upper

43 100

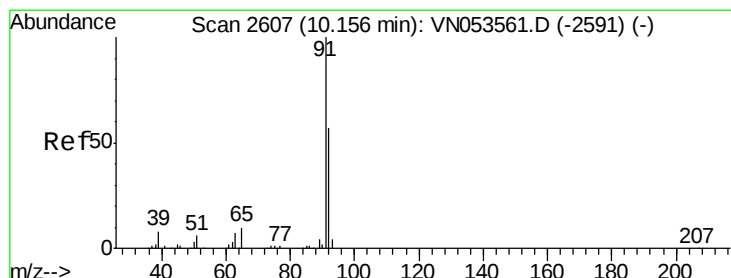
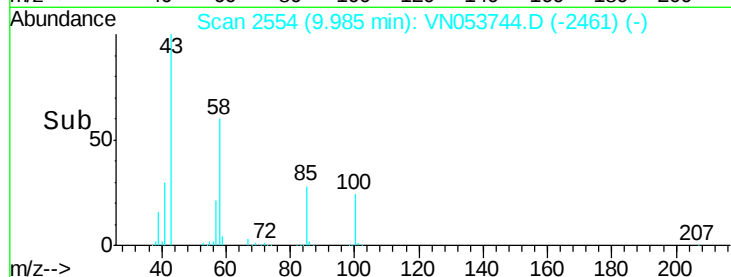
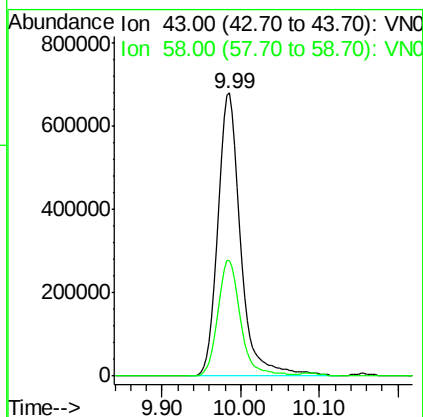
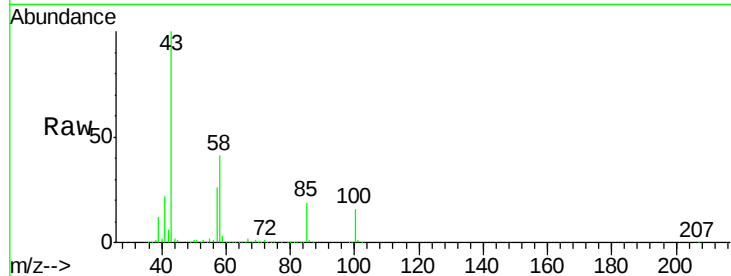
58 41.2 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 48.919 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053744.D

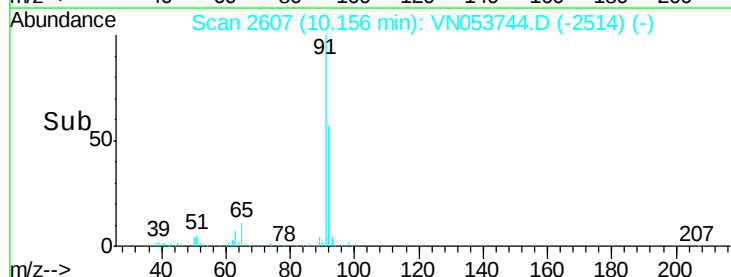
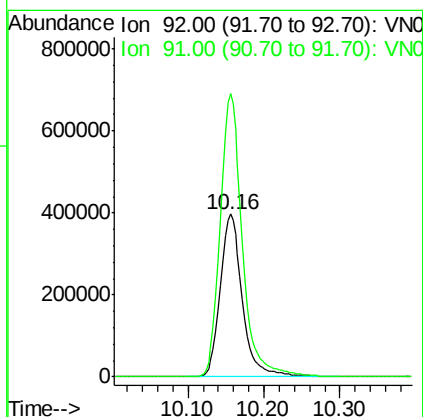
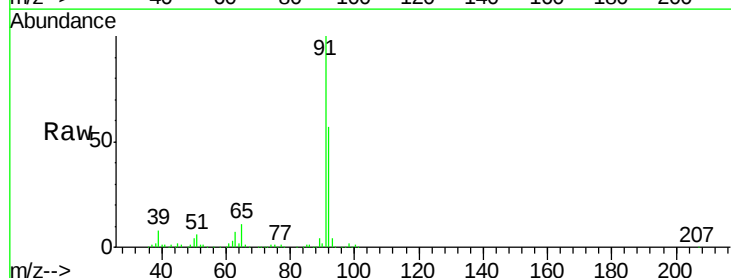
Acq: 12 Feb 2019 21:22

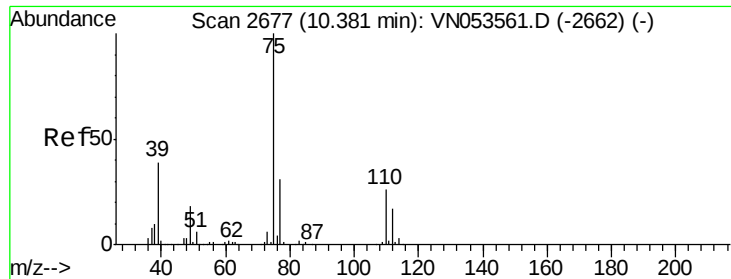
Tgt Ion: 92 Resp: 803860

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





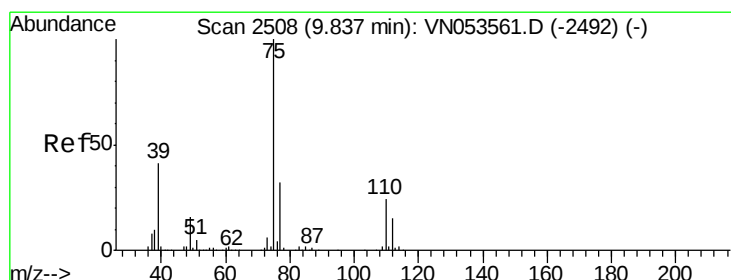
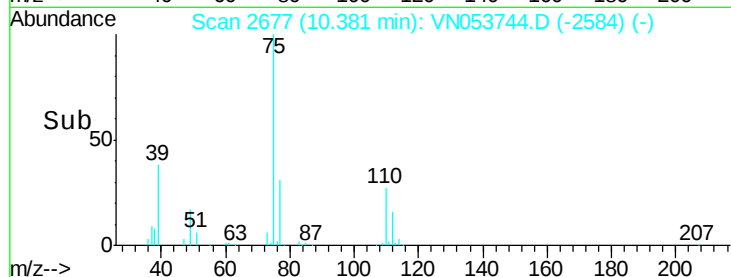
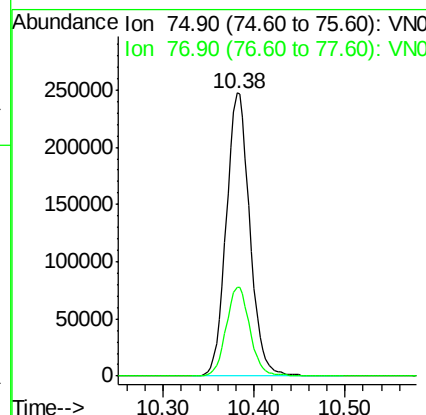
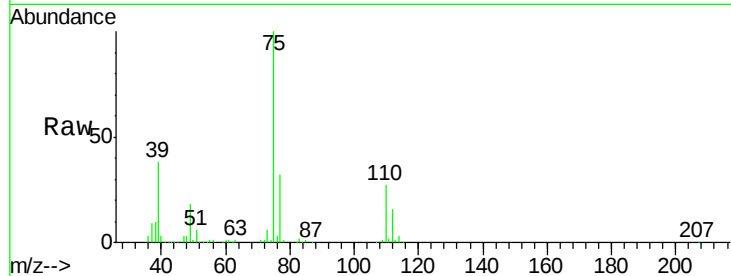
#53
t-1,3-Dichloropropene
Concen: 50.070 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 445025
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3

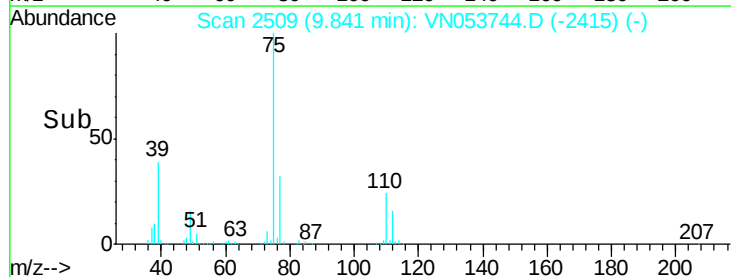
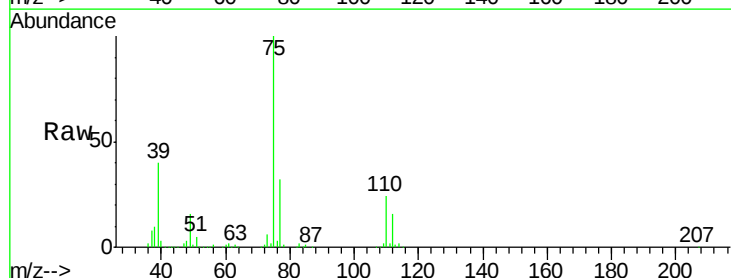
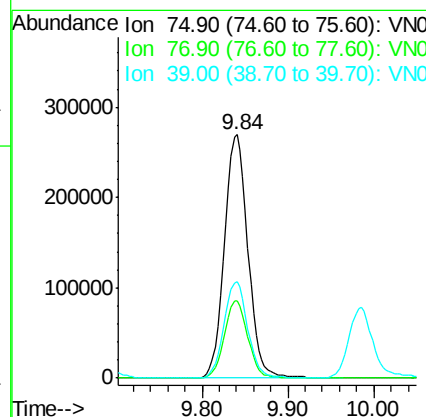
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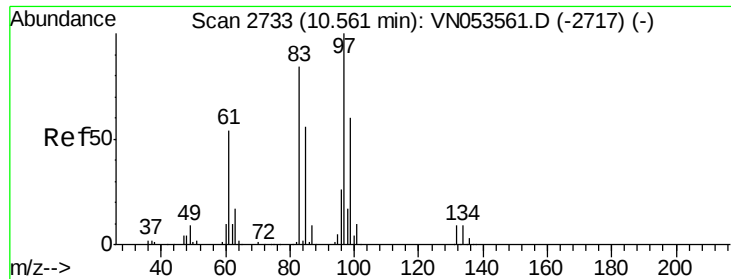
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#54
cis-1,3-Dichloropropene
Concen: 48.733 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 75 Resp: 513263
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6
39 39.5 33.4 50.0





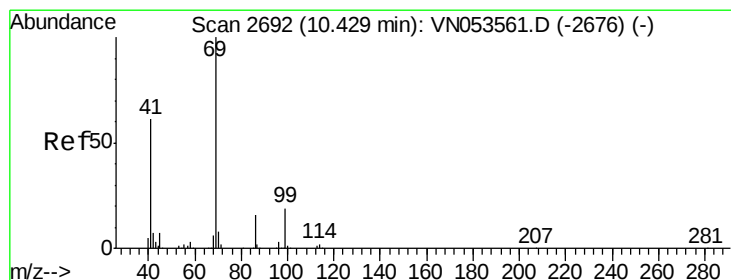
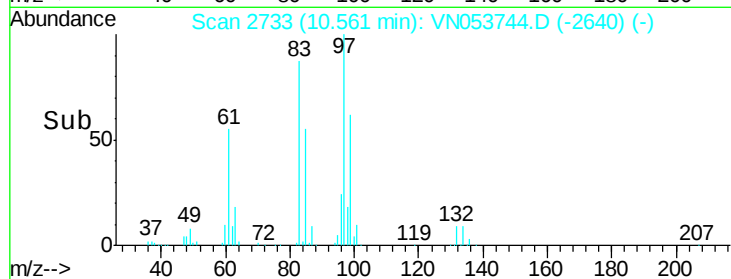
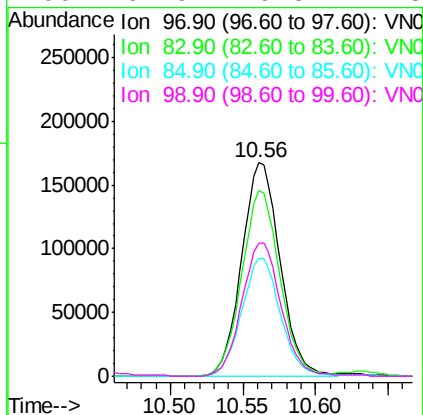
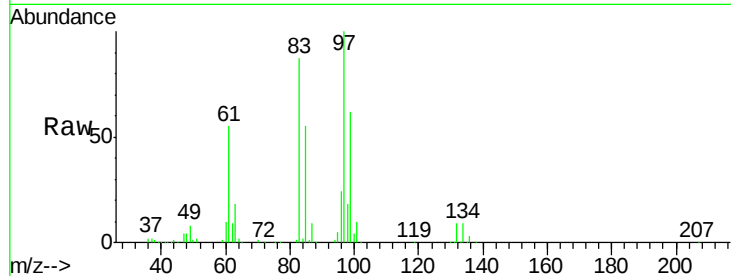
#55
 1,1,2-Trichloroethane
 Concen: 52.153 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:	97	Resp:	308810
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.1	105.1
85	55.3	45.4	68.0
99	61.9	49.8	74.8

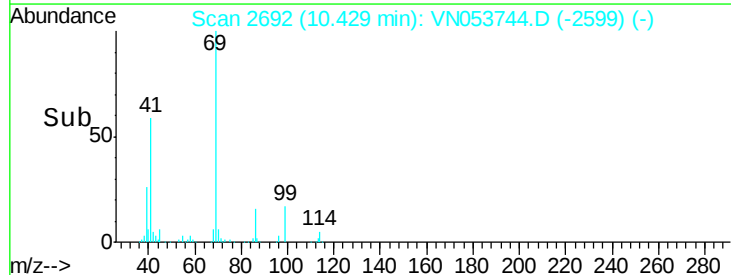
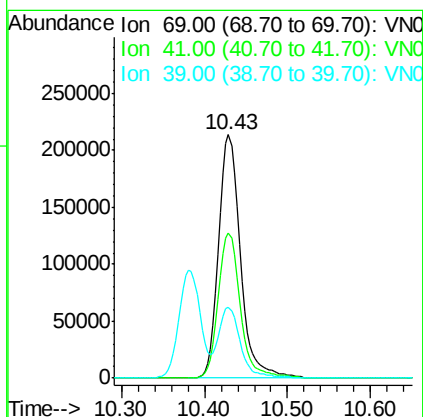
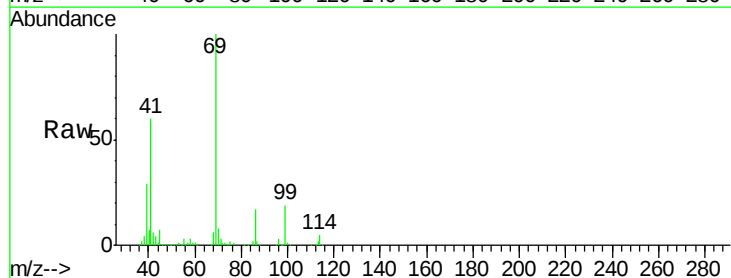
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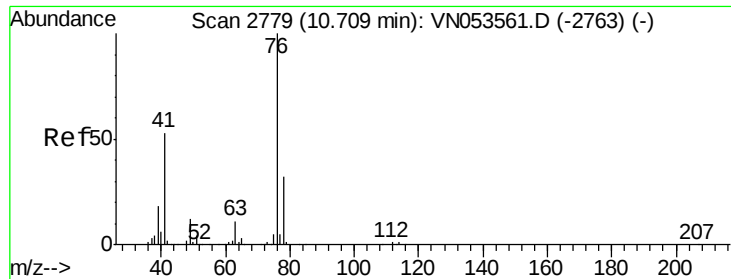
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#56
 Ethyl methacrylate
 Concen: 55.706 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion:	69	Resp:	390215
Ion	Ratio	Lower	Upper
69	100		
41	59.5	49.4	74.0
39	29.4	23.3	34.9





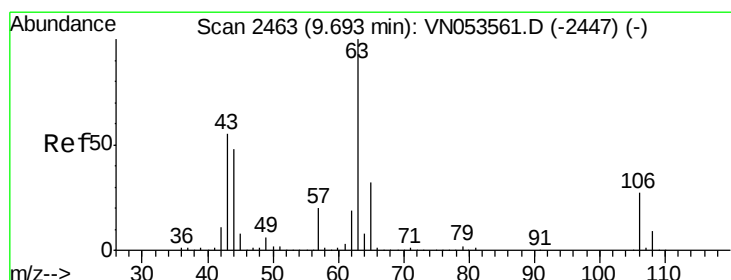
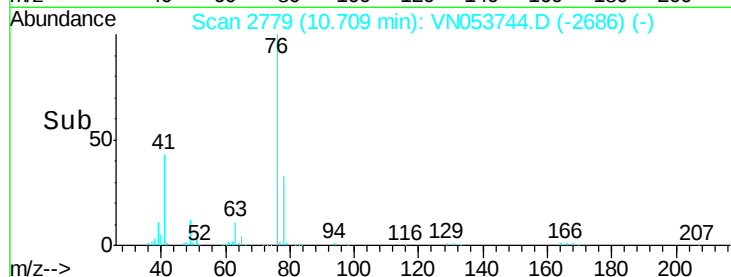
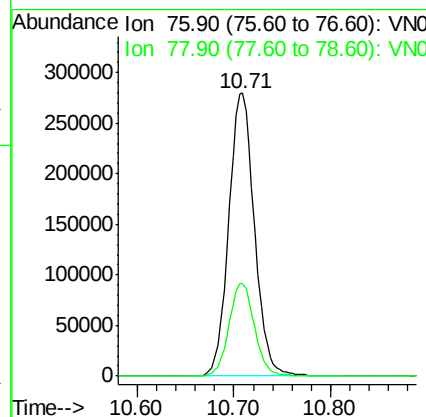
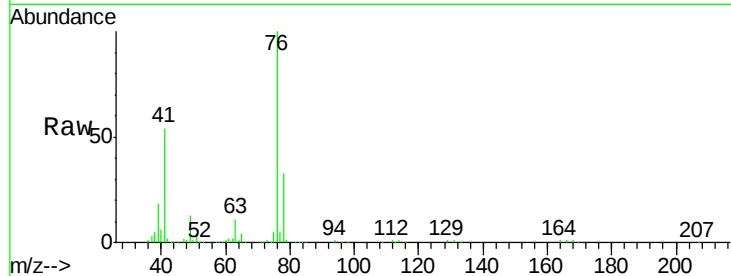
#57
 1,3-Dichloropropane
 Concen: 50.879 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 514887
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4

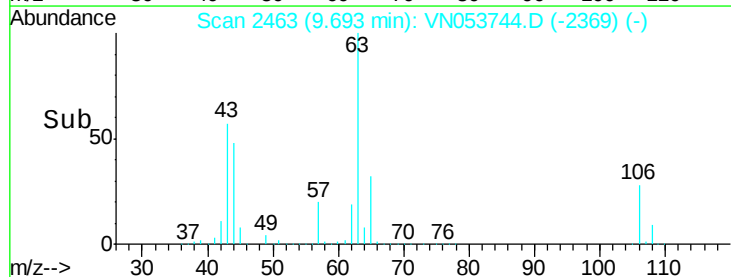
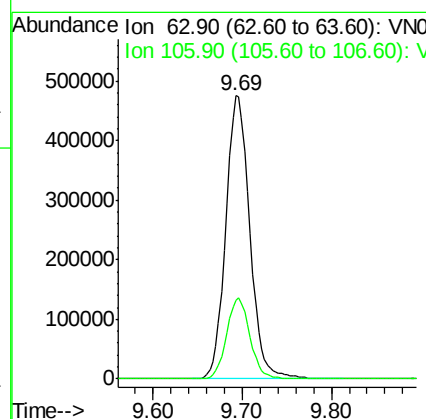
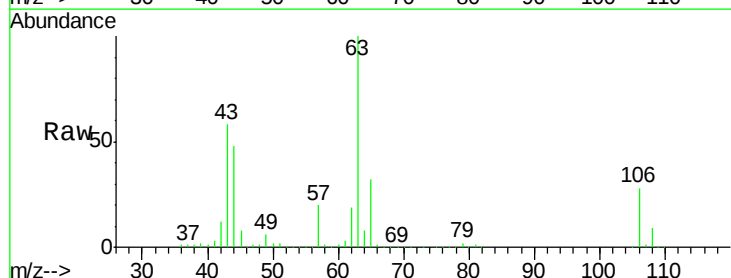
Manual Integrations
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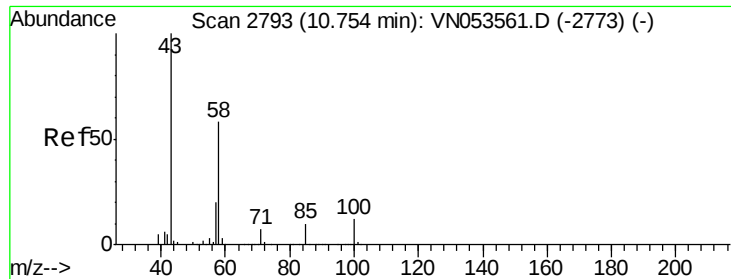
MMDadoda
 2/13/2019 12:15:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 205.586 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion: 63 Resp: 886730
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.5 32.3





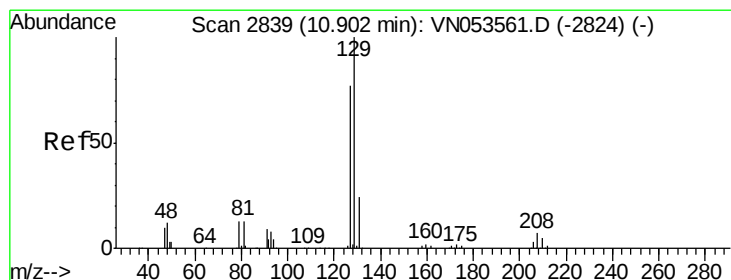
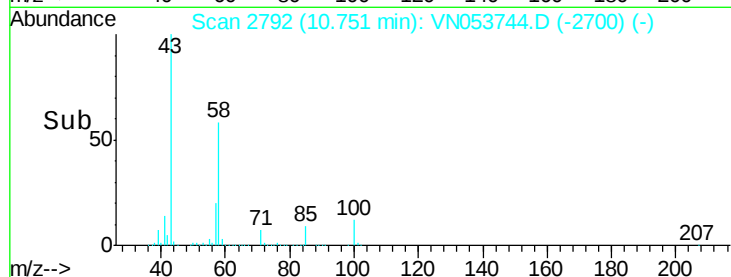
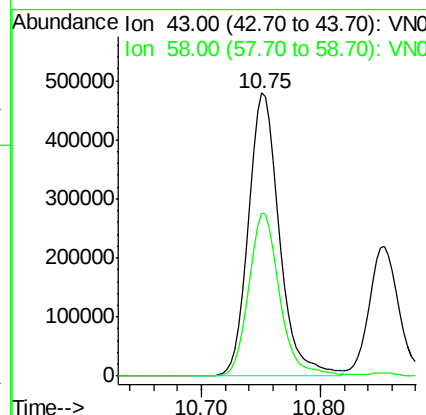
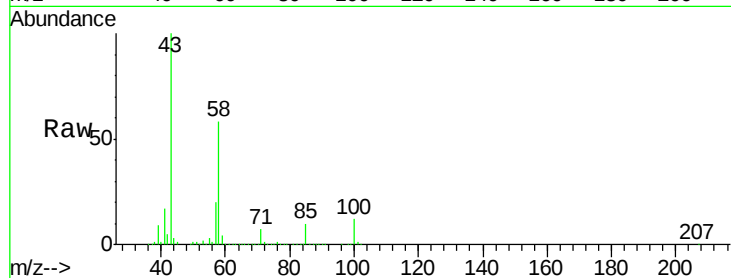
#59
2-Hexanone
Concen: 266.952 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 862424
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8

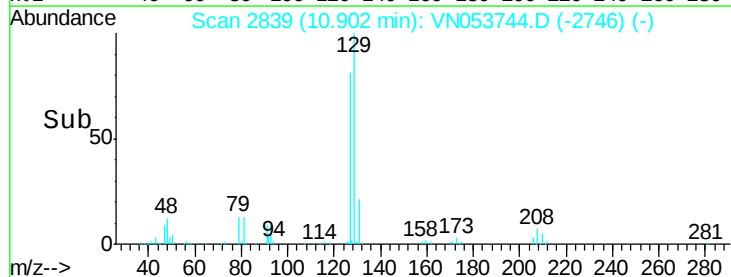
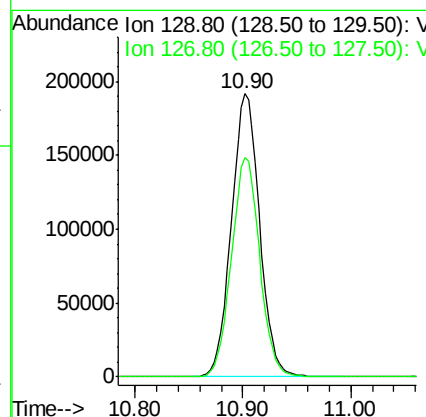
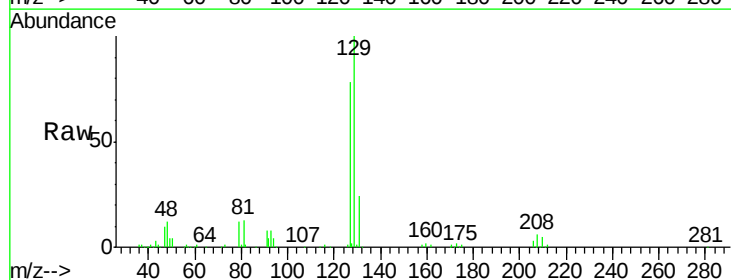
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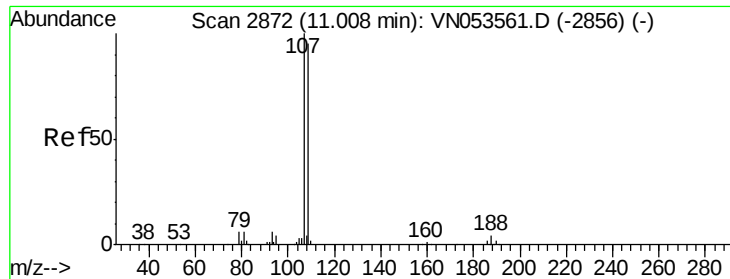
MMDadoda
2/13/2019 12:15:52 PM



#60
Dibromochloromethane
Concen: 52.415 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 129 Resp: 349991
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





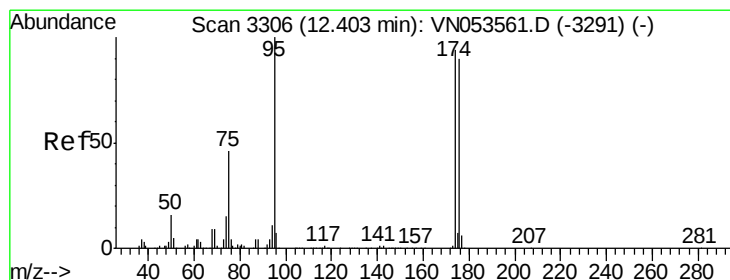
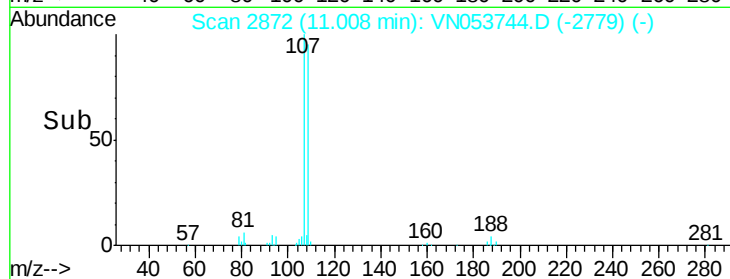
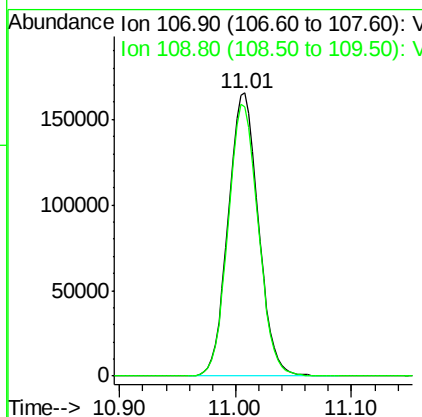
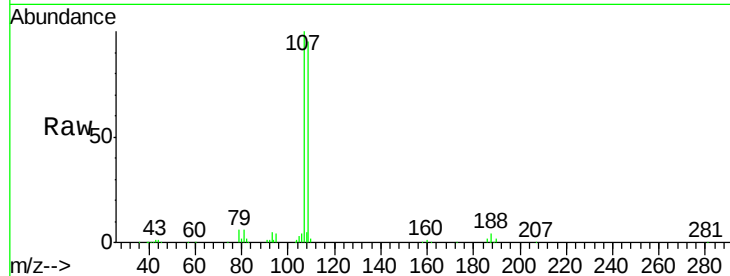
#61
 1,2-Dibromoethane
 Concen: 50.732 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.7	113.5

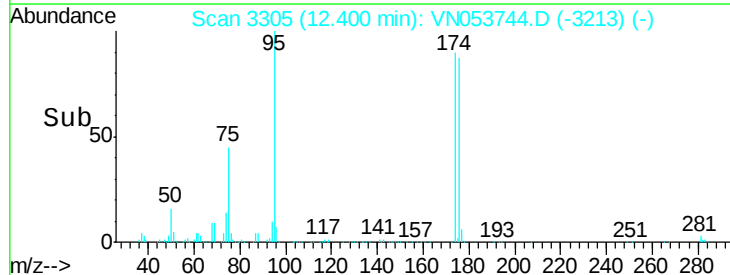
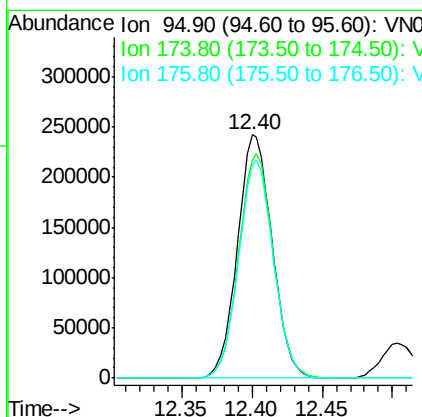
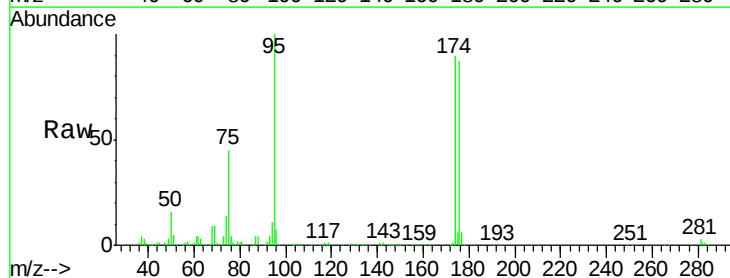
Manual Integrations
 APPROVED

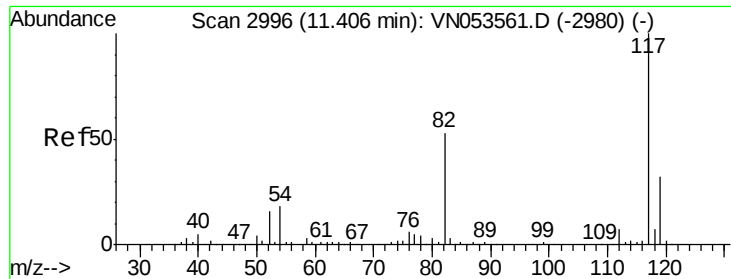
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 52.941 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	183.2
176	89.9	0.0	177.4





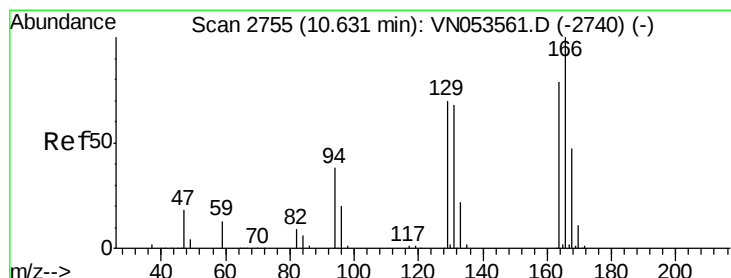
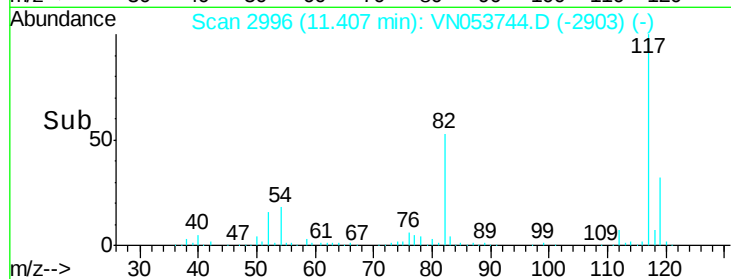
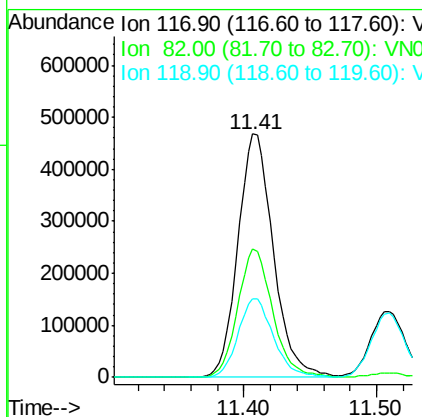
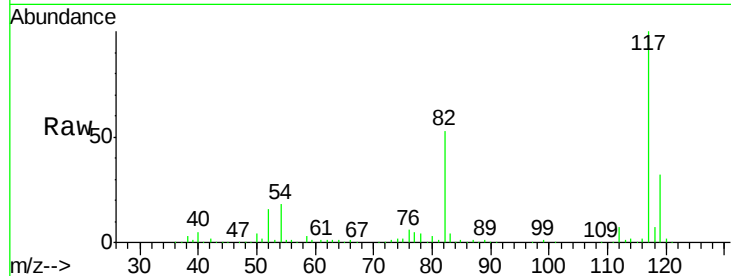
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.9	64.3
119	32.4	26.0	39.0

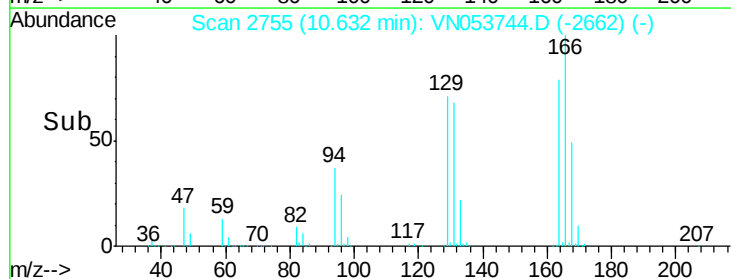
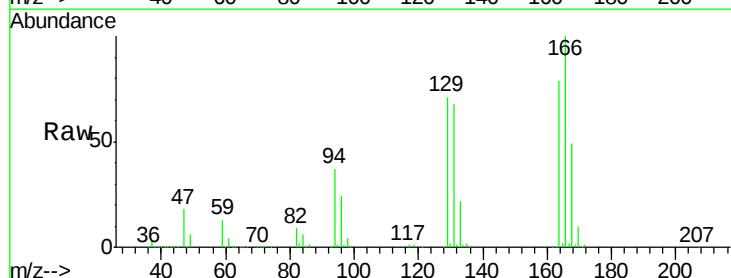
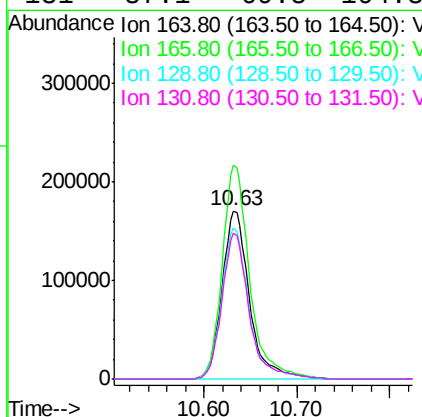
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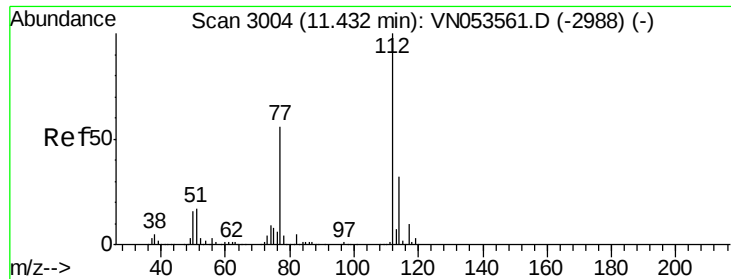
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#64
Tetrachloroethene
Concen: 46.898 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.2	153.4
129	89.9	72.6	109.0
131	87.1	69.5	104.3





#65

Chlorobenzene

Concen: 48.329 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 893167

Ion Ratio Lower Upper

112 100

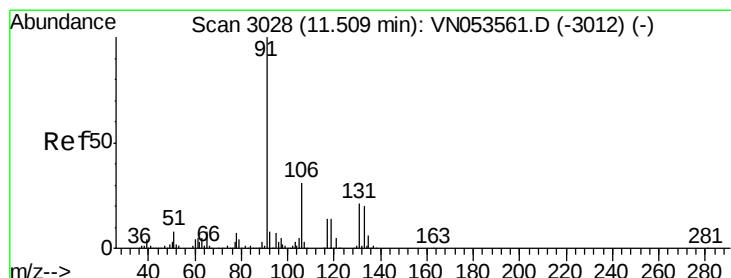
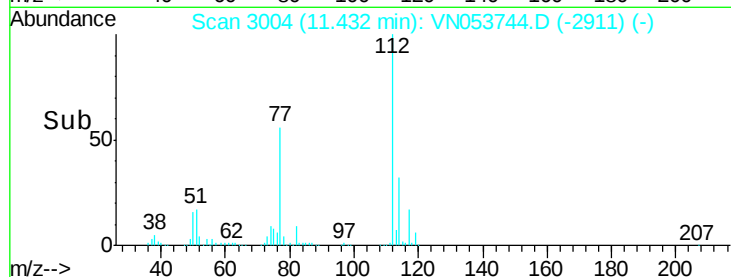
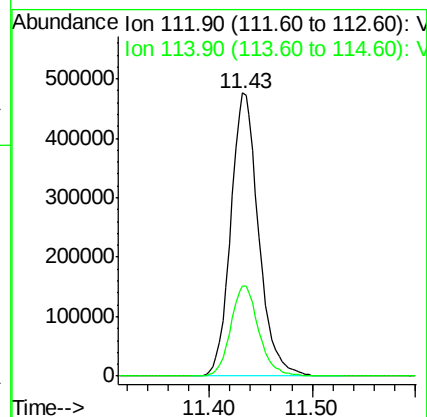
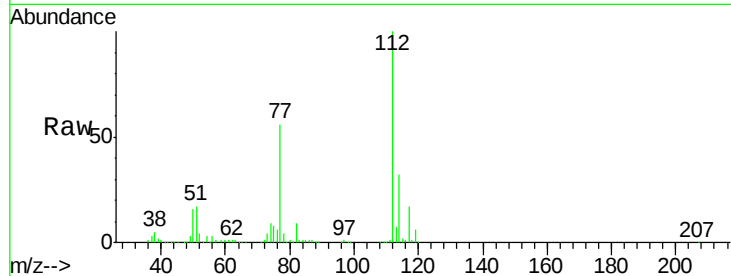
114 32.1 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.621 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

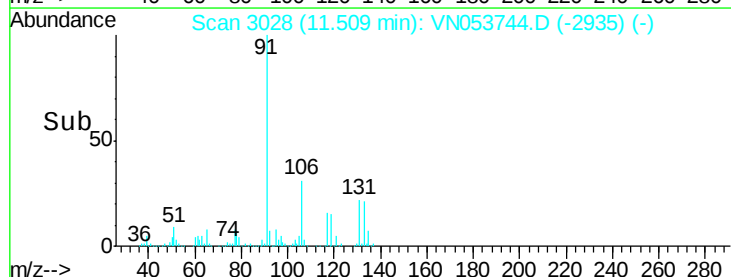
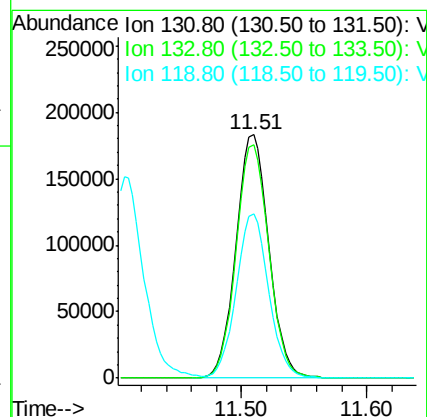
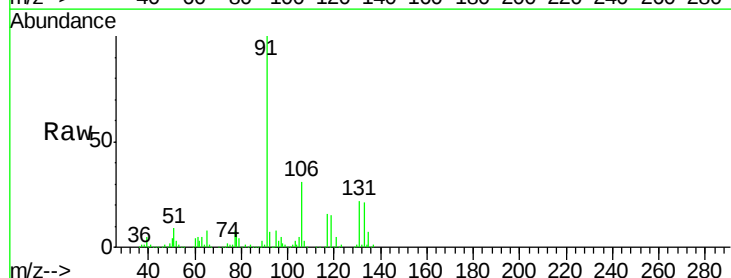
Tgt Ion:131 Resp: 333181

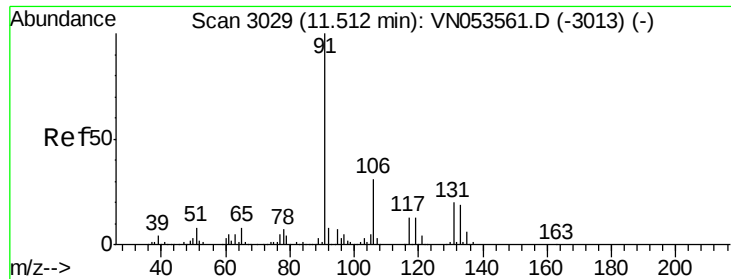
Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.0

119 66.5 33.5 100.5





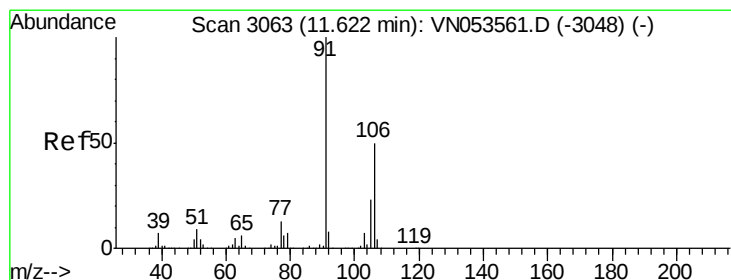
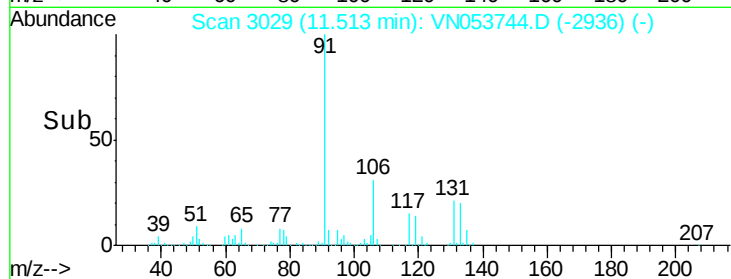
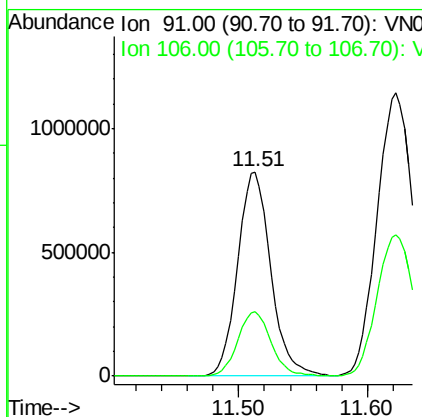
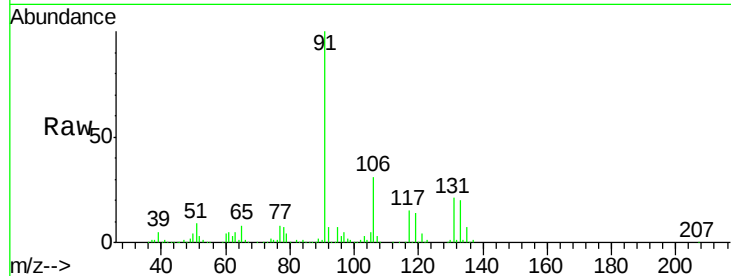
#67
Ethyl Benzene
Concen: 48.674 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion: 91 Resp: 1477688
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

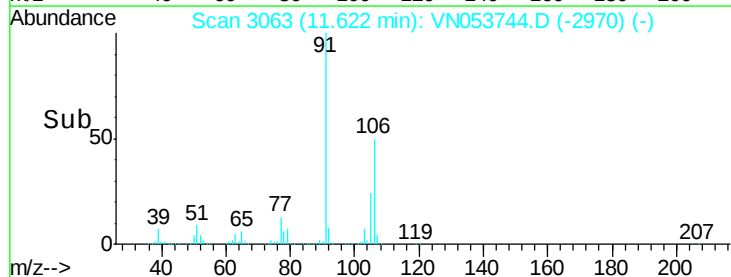
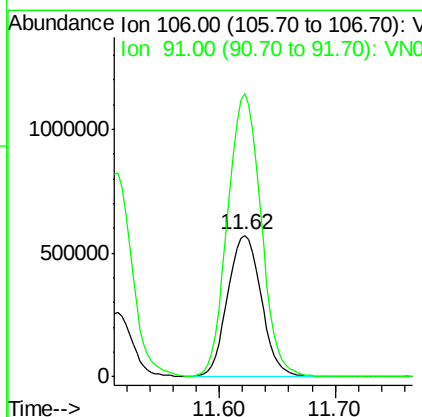
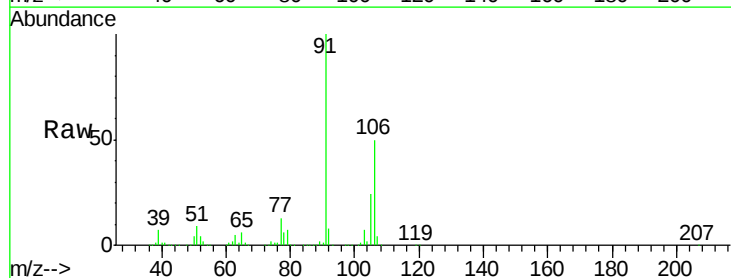
Manual Integrations
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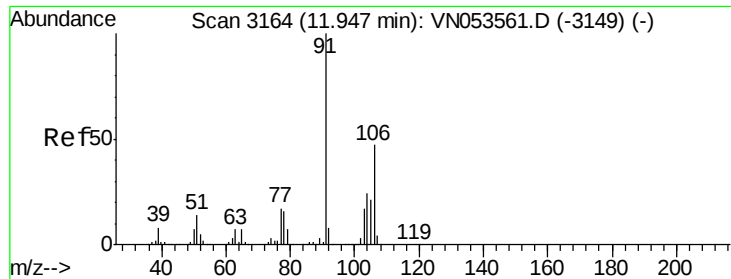
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#68
m/p-Xylenes
Concen: 99.374 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 106 Resp: 1151425
Ion Ratio Lower Upper
106 100
91 198.5 161.4 242.2





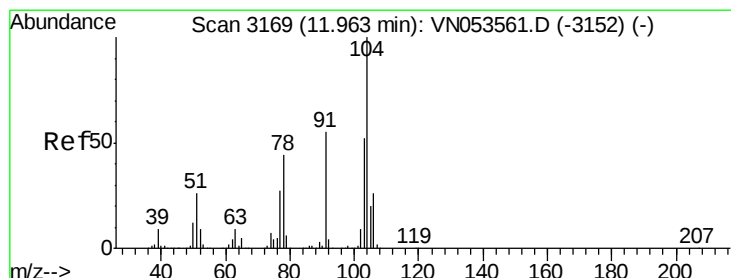
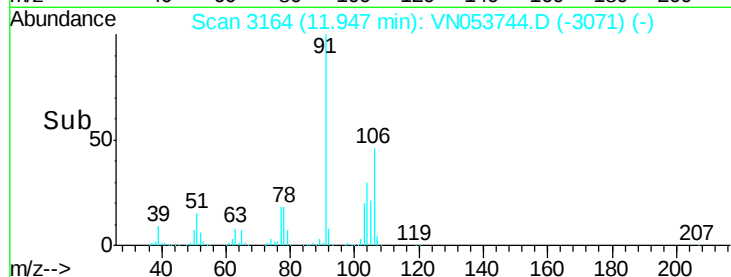
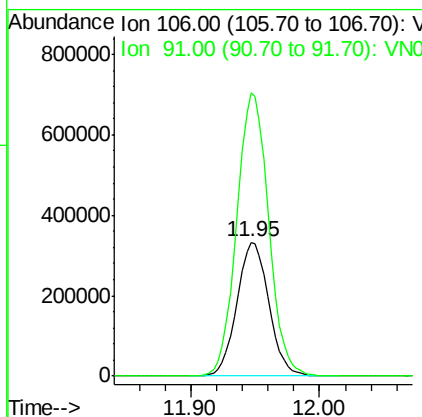
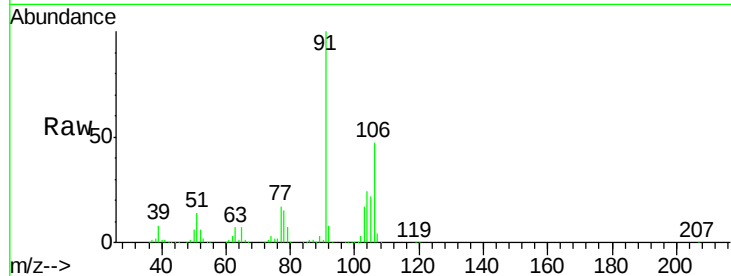
#69
o-Xylene
Concen: 51.103 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.0	106.9	320.8	

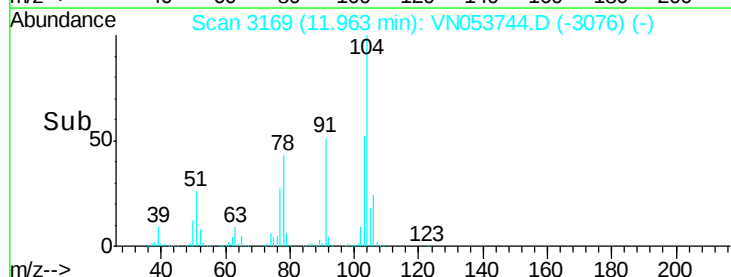
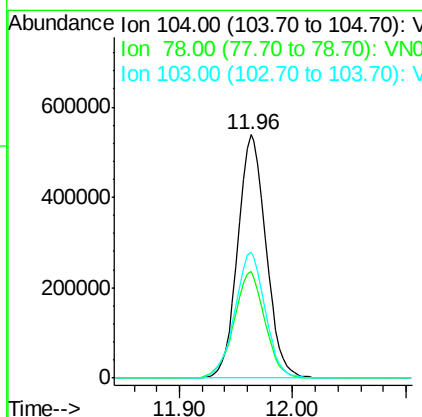
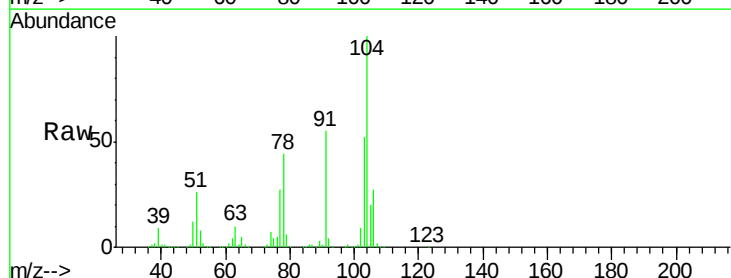
Manual Integrations
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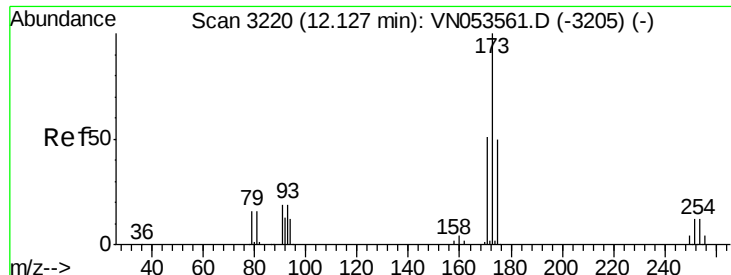
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#70
Styrene
Concen: 51.766 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.7	38.2	57.2	
103	55.3	44.4	66.6	





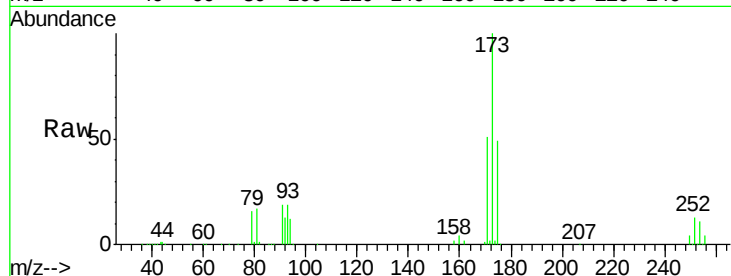
#71
Bromoform
Concen: 56.364 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

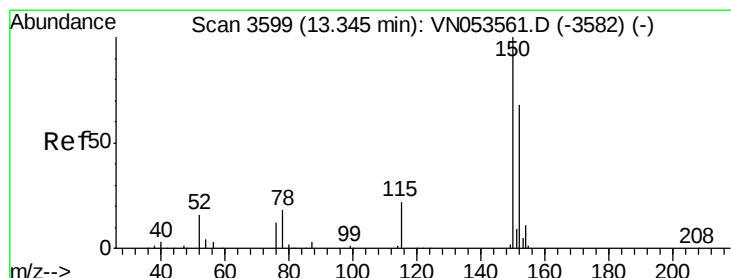
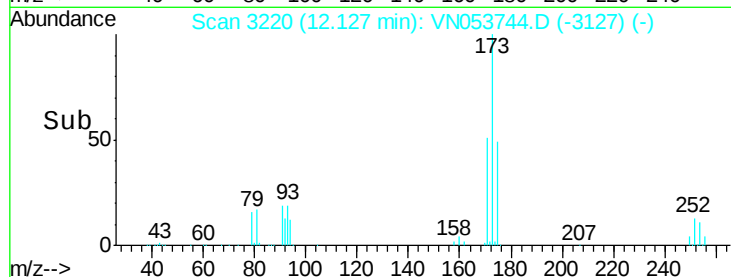
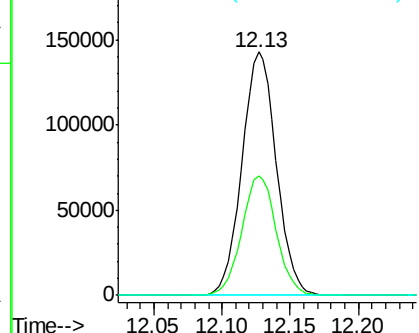
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	74.0
254	0.2	0.2	0.2

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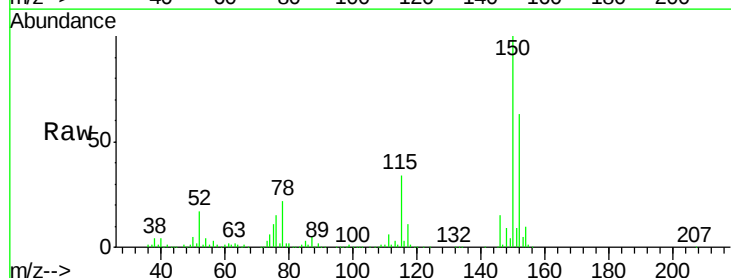


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

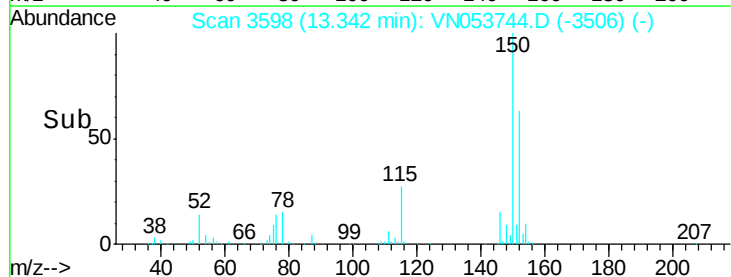
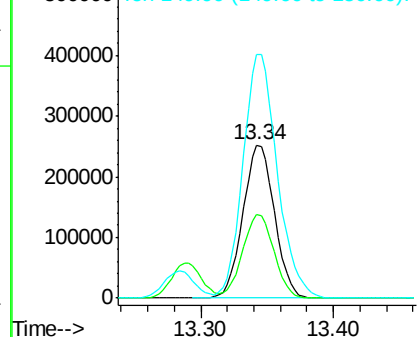


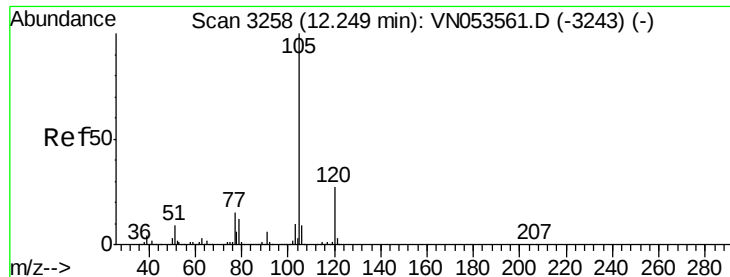
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.8	83.4
150	173.4	0.0	349.0



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: 51.593 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1508282

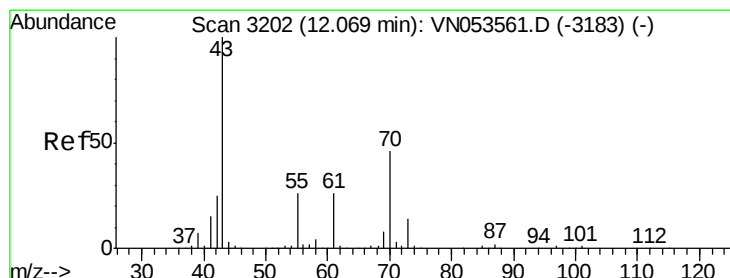
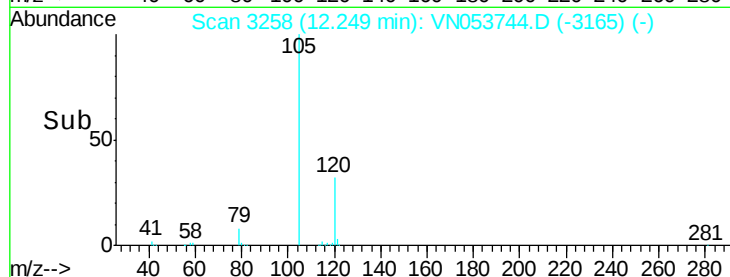
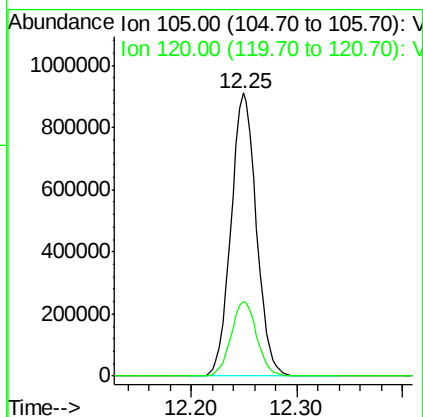
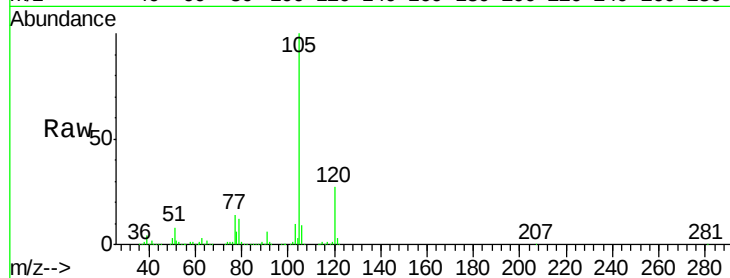
Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7

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2/13/2019 12:15:52 PM



#74

N-ethyl acetate

Concen: 57.355 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Tgt Ion: 43 Resp: 403198

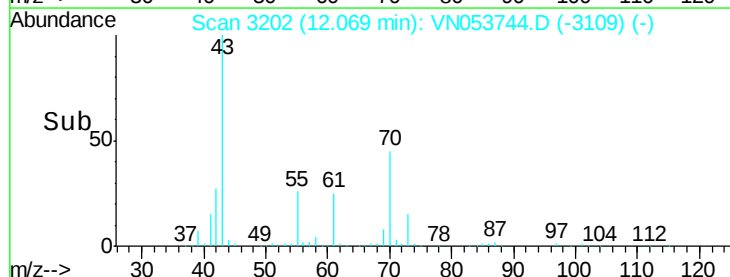
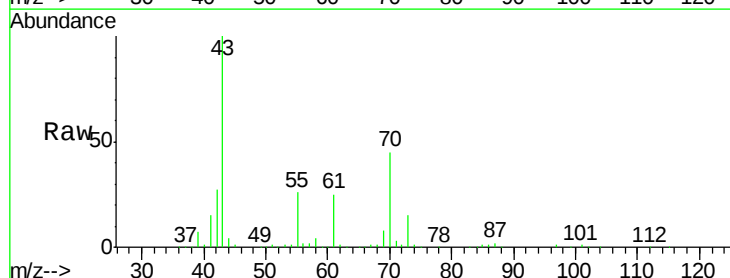
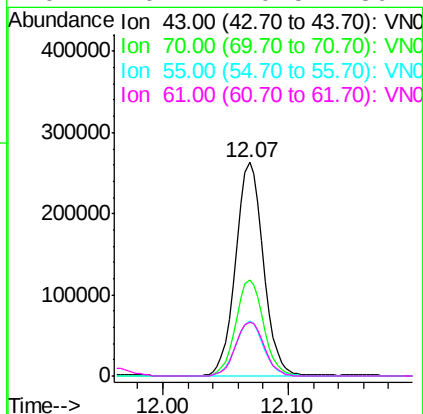
Ion Ratio Lower Upper

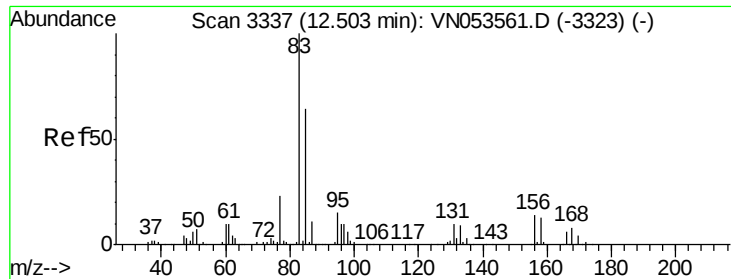
43 100

70 45.5 35.4 53.2

55 26.3 20.9 31.3

61 26.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 55.913 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 391200

Ion Ratio Lower Upper

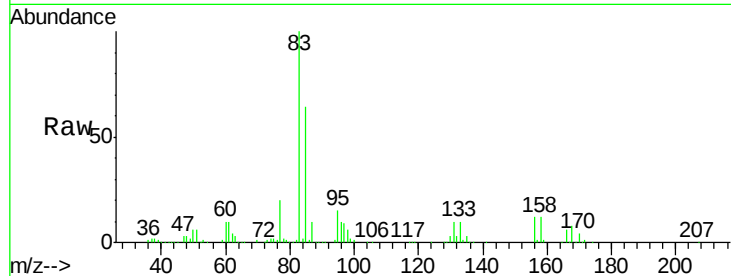
83 100

131 10.5 5.3 15.8

85 64.2 32.1 96.3

Manual Integrations
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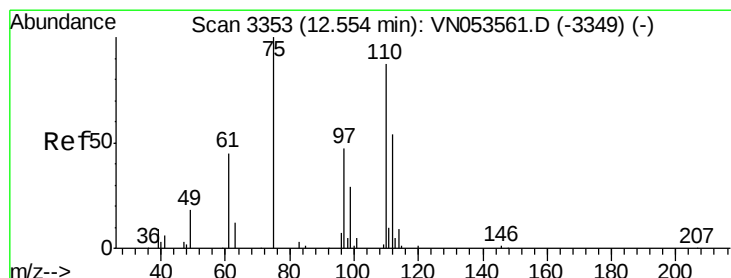
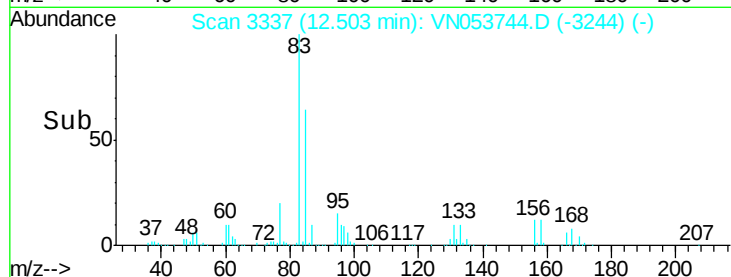
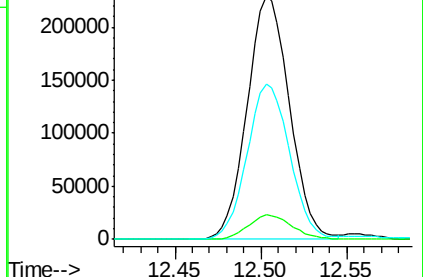
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 60.084 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053744.D

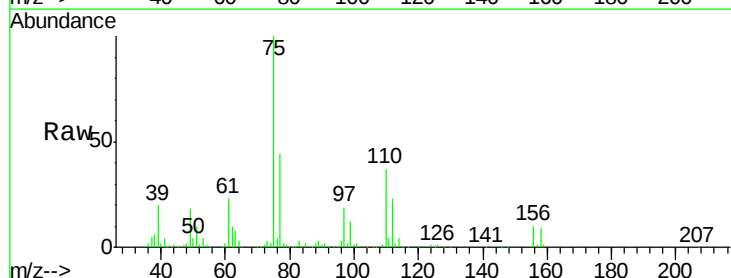
Acq: 12 Feb 2019 21:22

Tgt Ion: 75 Resp: 320939

Ion Ratio Lower Upper

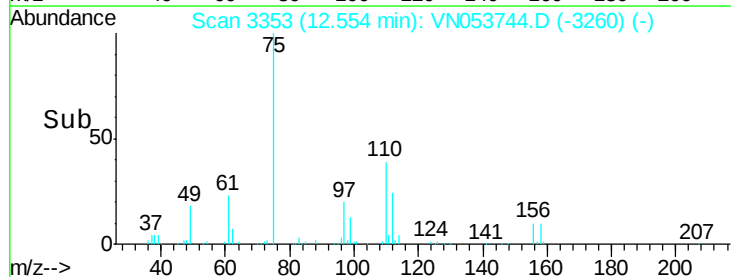
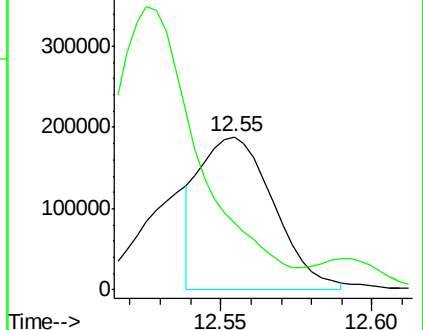
75 100

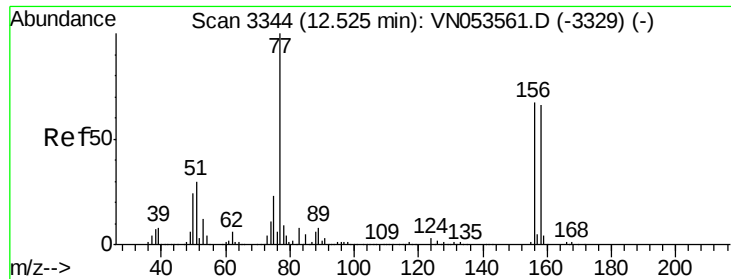
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 52.747 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

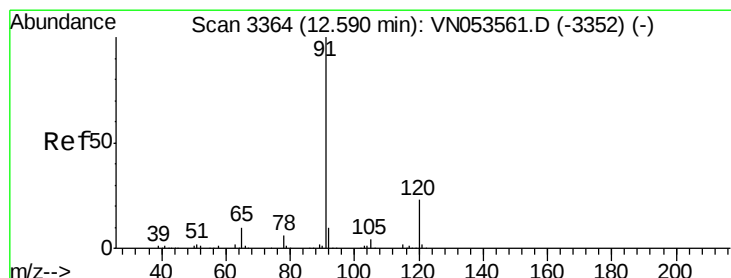
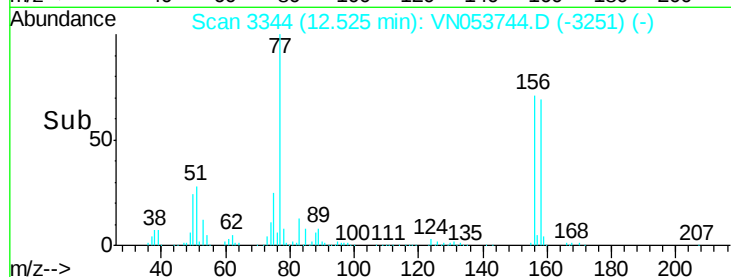
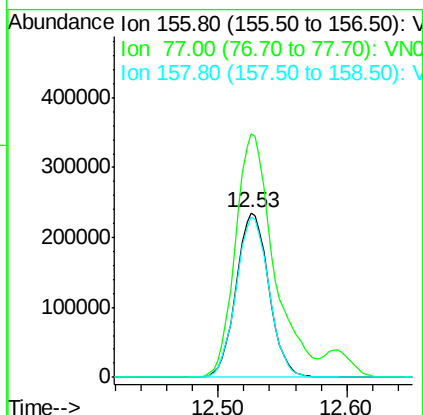
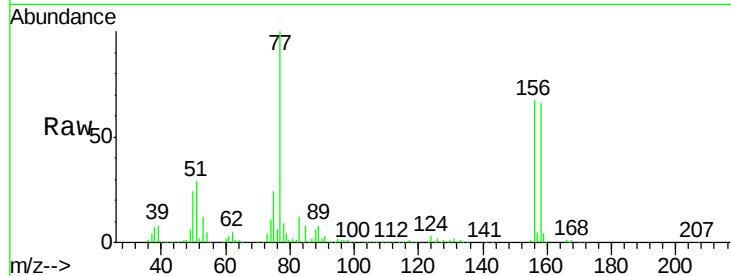
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.1	87.9	263.8
158	97.8	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 51.540 ug/l

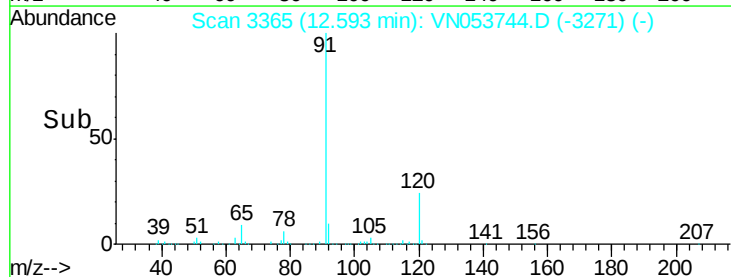
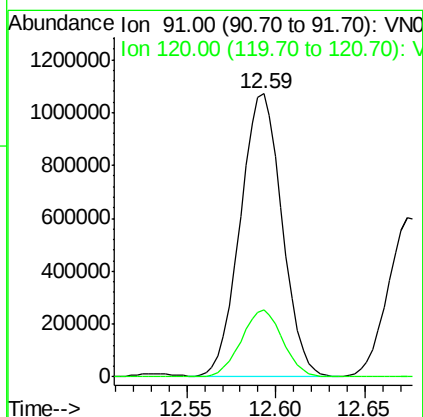
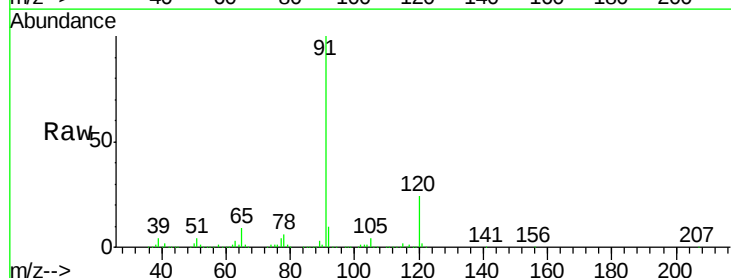
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 51.070 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1023954

Ion Ratio Lower Upper

91 100

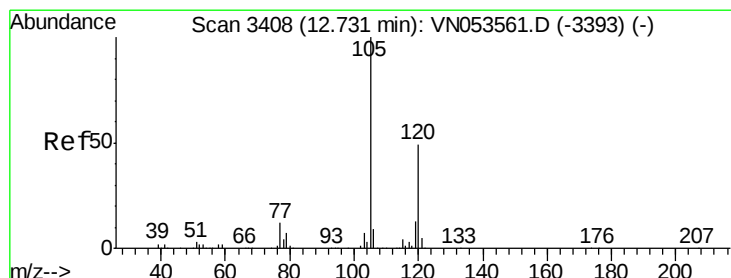
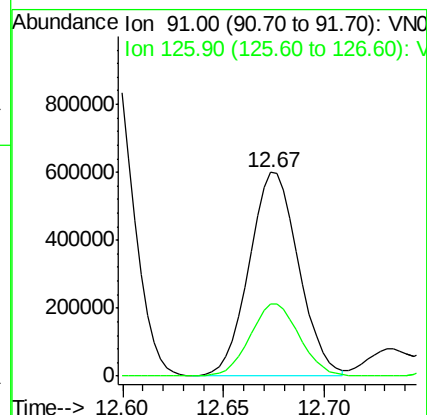
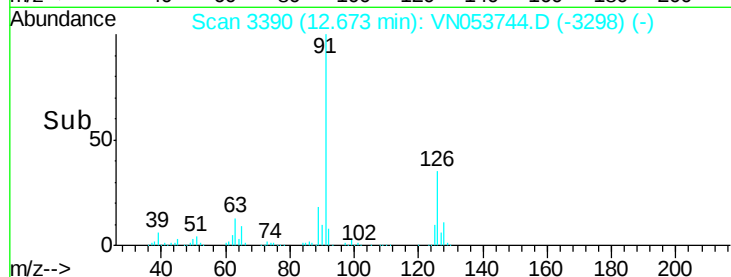
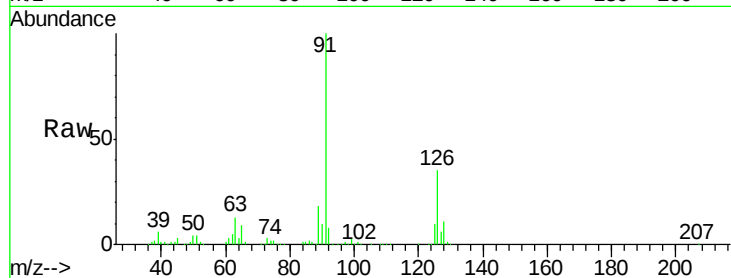
126 35.7 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.026 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053744.D

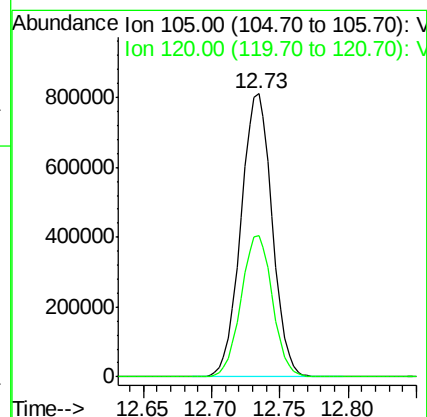
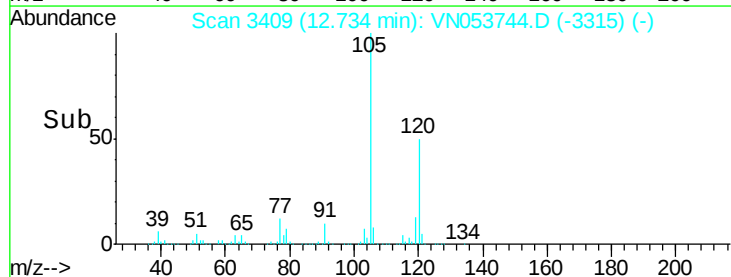
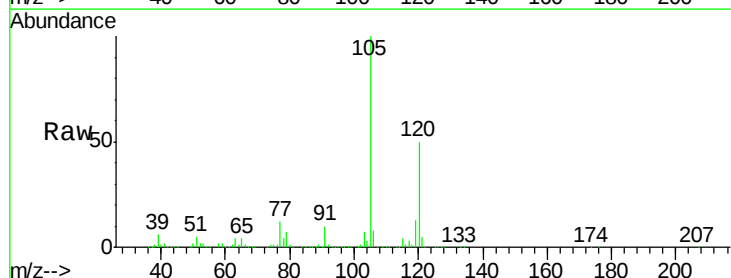
Acq: 12 Feb 2019 21:22

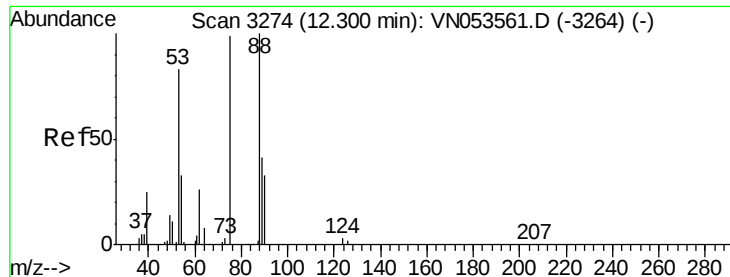
Tgt Ion: 105 Resp: 1285484

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





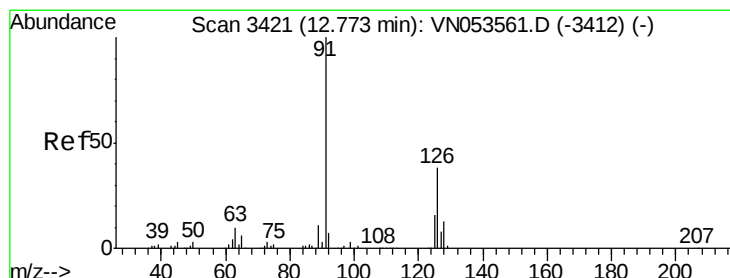
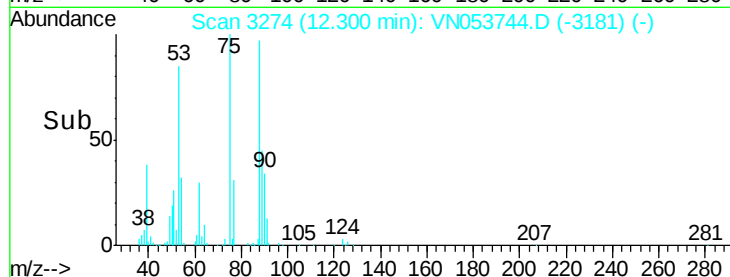
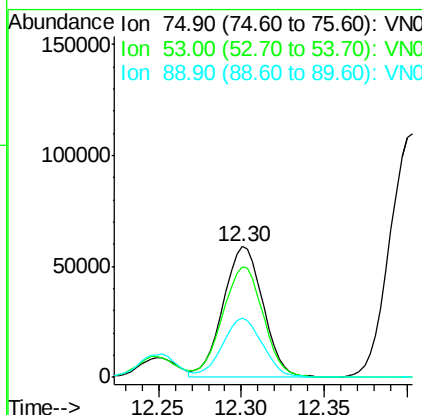
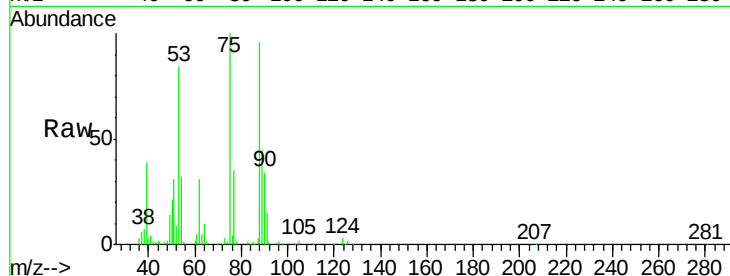
#81
trans-1,4-Dichloro-2-butene
Concen: 52.268 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.6	69.8	104.6
89	45.3	35.6	53.4

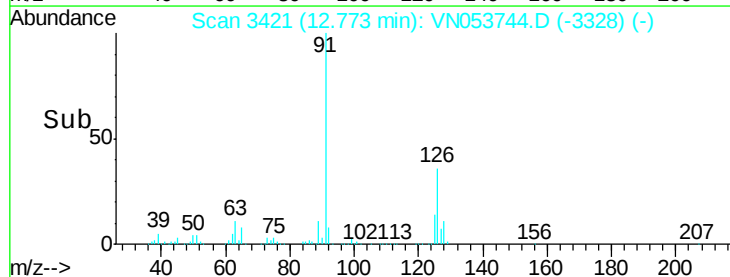
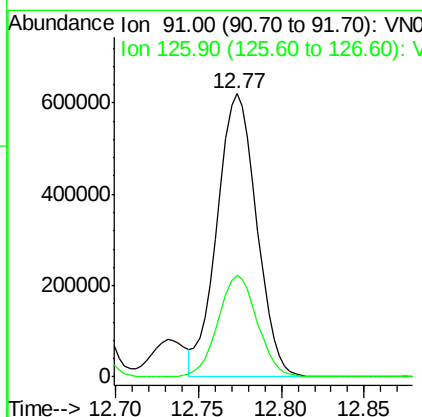
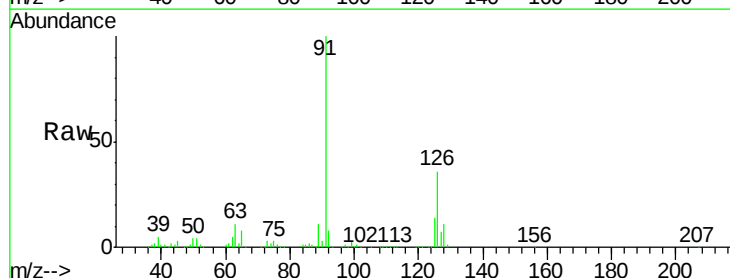
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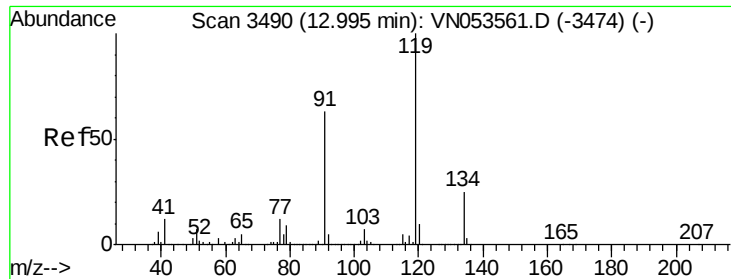
MMDadoda
2/13/2019 12:15:52 PM



#82
4-Chlorotoluene
Concen: 49.989 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.9





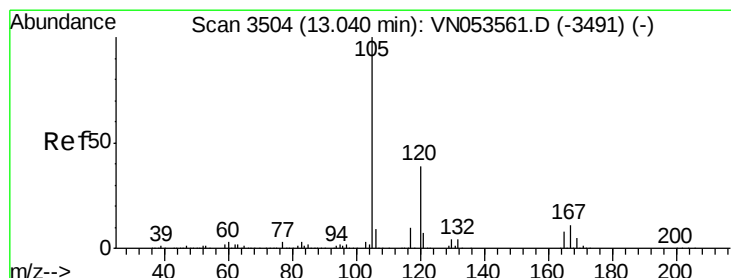
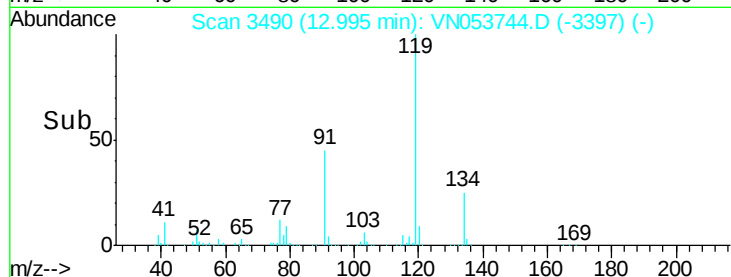
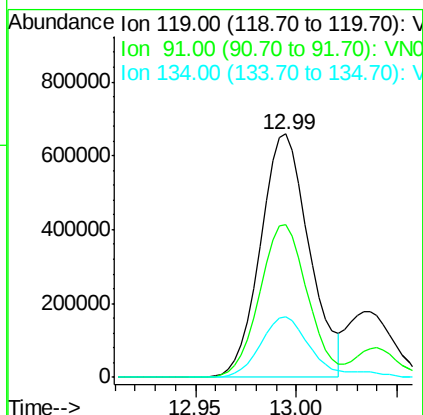
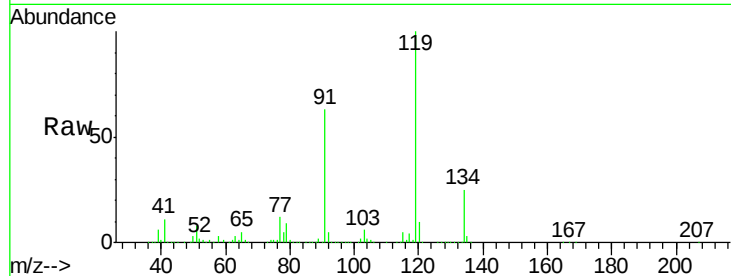
#83
tert-Butylbenzene
Concen: 51.819 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	31.3	93.8
134	26.3	12.9	38.7

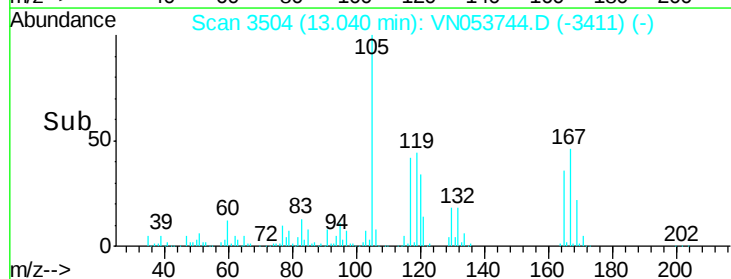
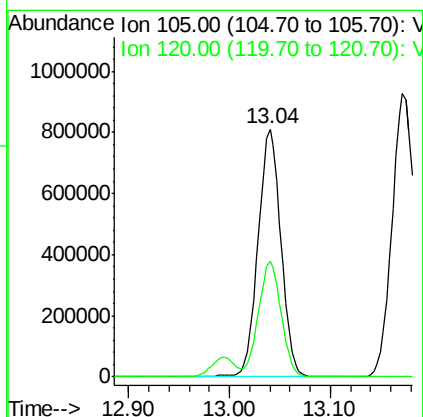
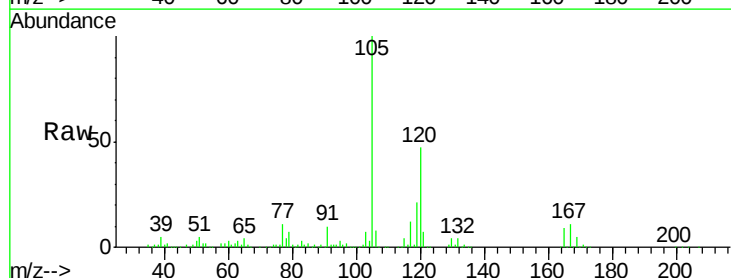
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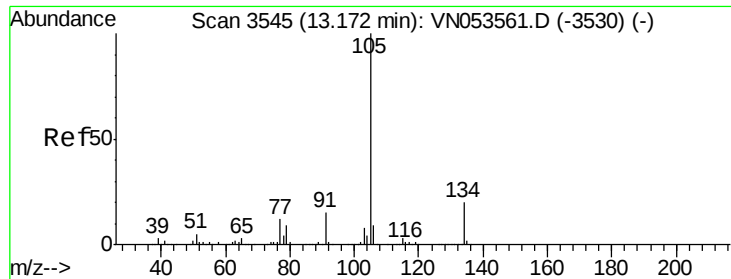
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.441 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0





#85

sec-Butylbenzene

Concen: 50.476 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 1471708

Ion Ratio Lower Upper

105 100

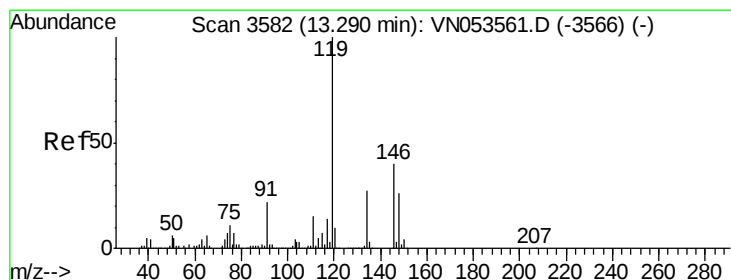
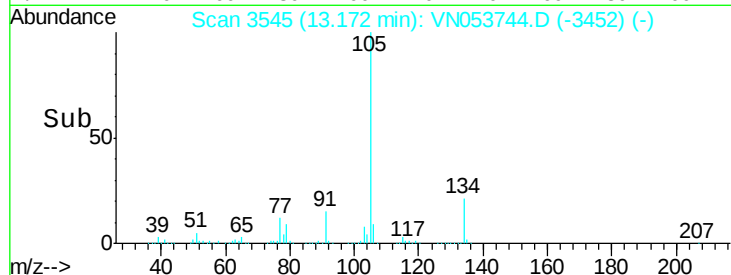
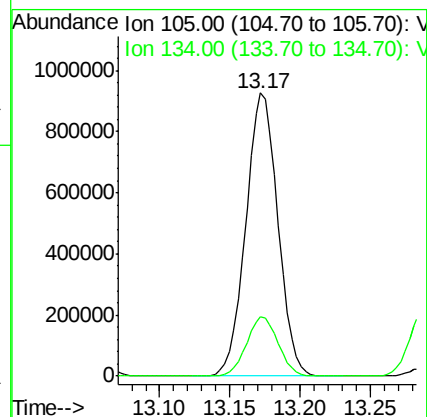
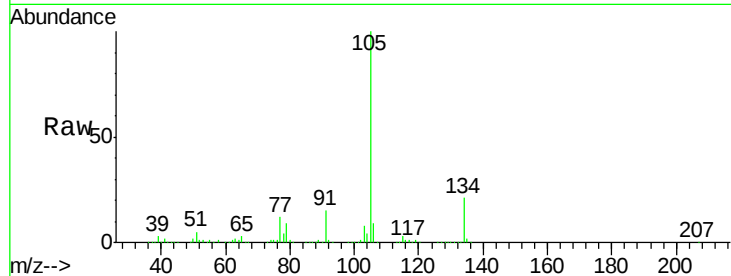
134 20.8 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.926 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

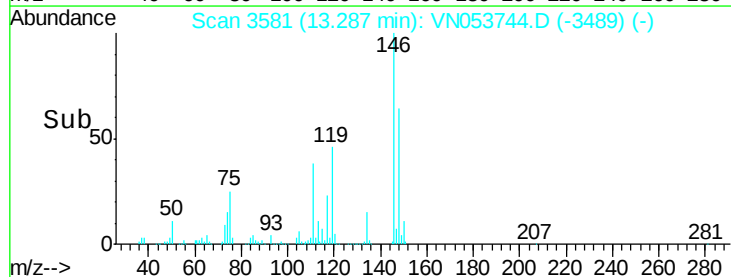
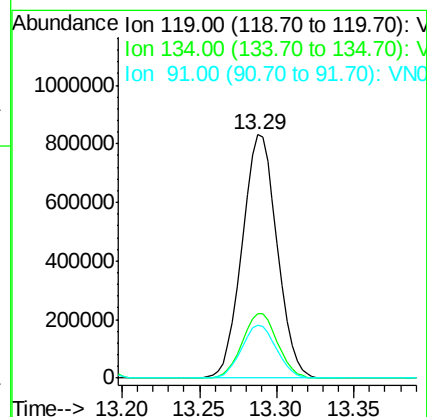
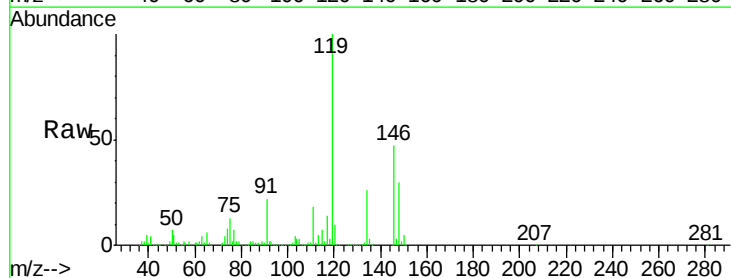
Tgt Ion:119 Resp: 1298606

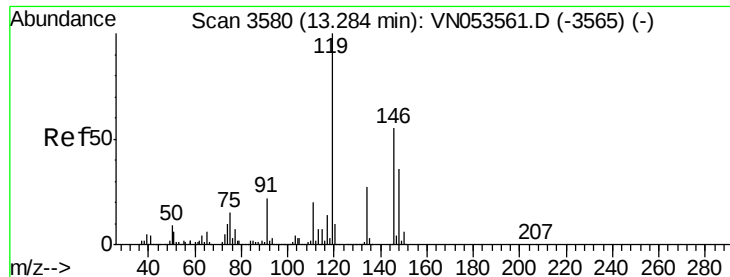
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 21.7 11.0 33.0





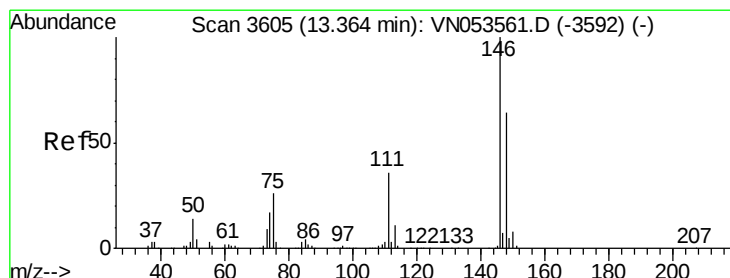
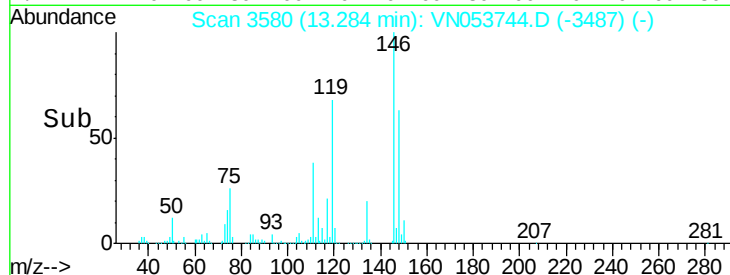
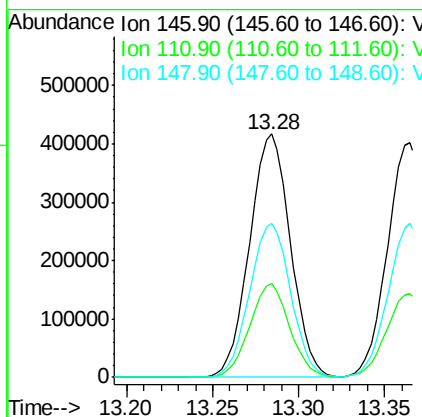
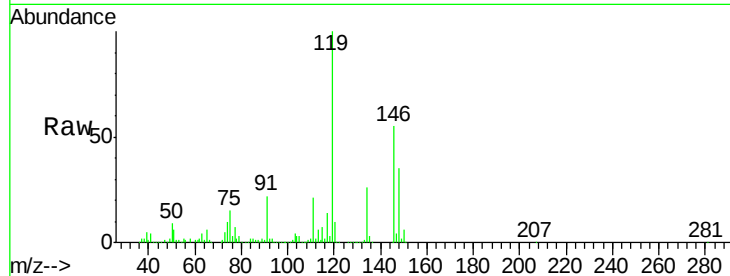
#87
 1,3-Dichlorobenzene
 Concen: 48.426 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	63.6	32.0	96.2

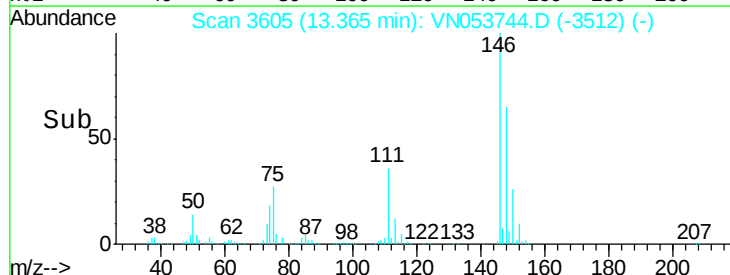
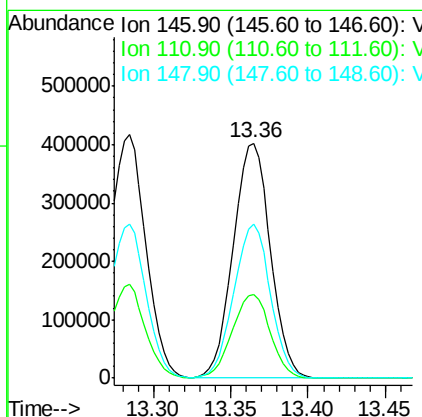
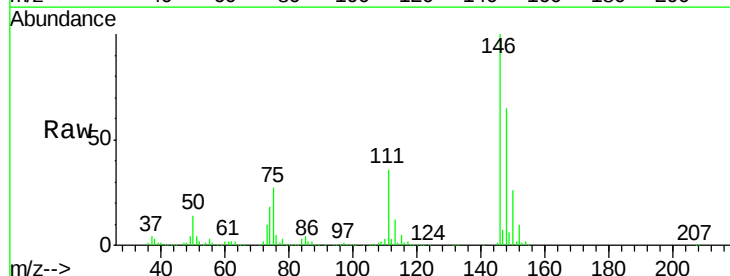
Manual Integrations
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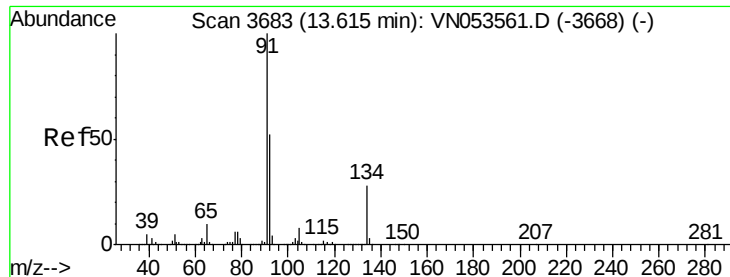
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#88
 1,4-Dichlorobenzene
 Concen: 47.864 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.6	55.8
148	64.8	32.4	97.0





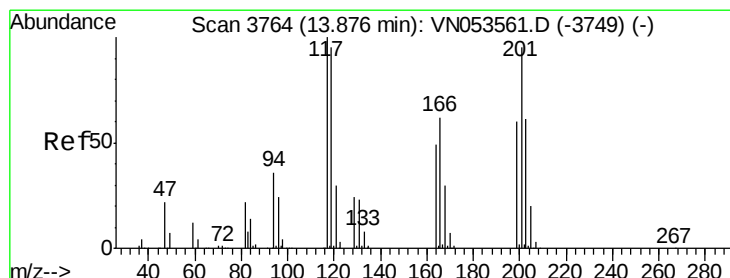
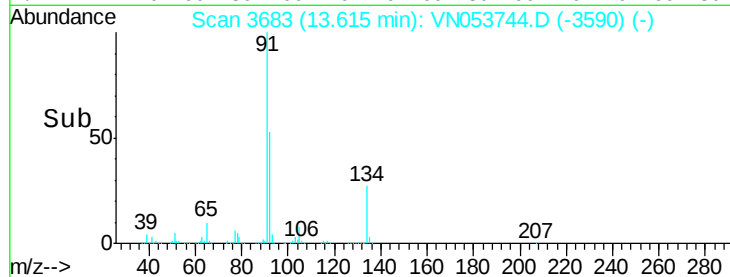
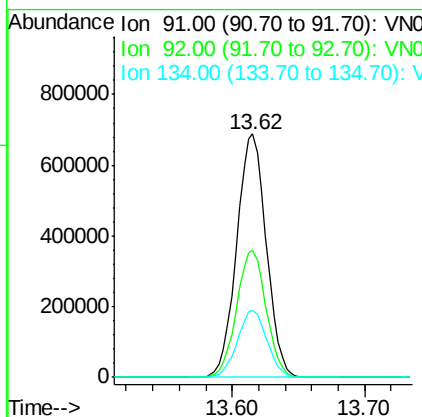
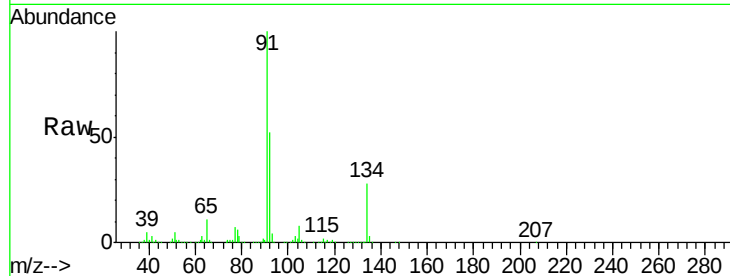
#89
n-Butylbenzene
Concen: 48.187 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	27.4	13.5	40.5

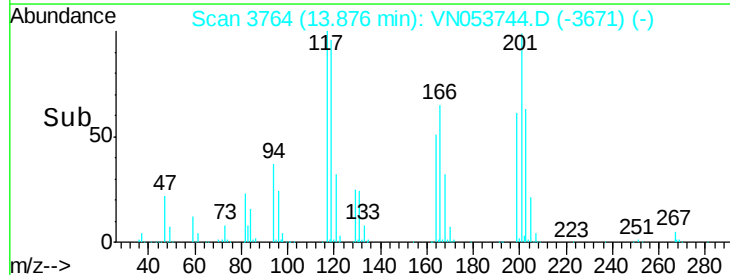
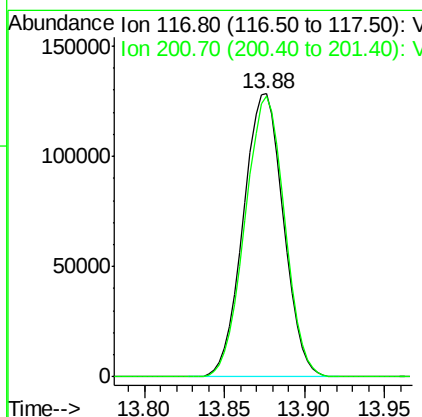
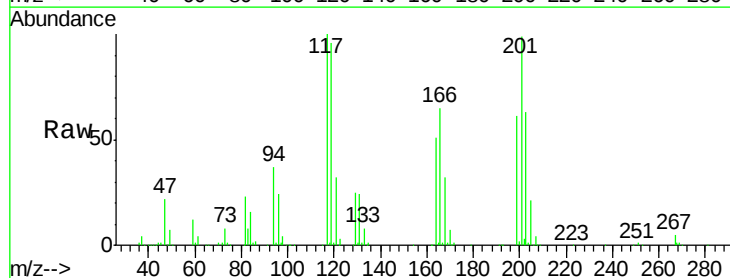
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#90
Hexachloroethane
Concen: 52.300 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.6	46.8	140.4





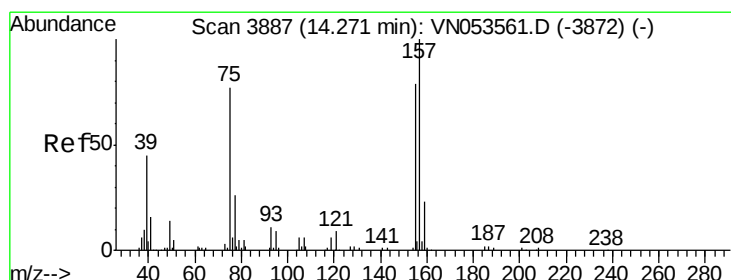
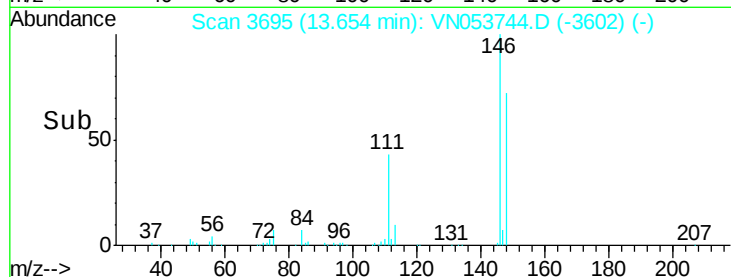
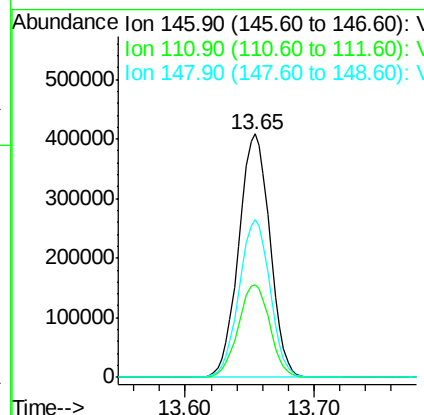
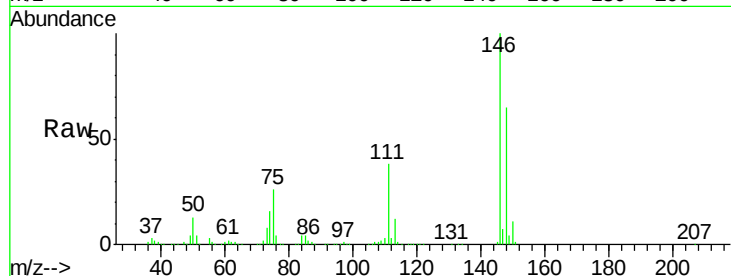
#91
 1,2-Dichlorobenzene
 Concen: 50.594 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.5	31.9	95.9

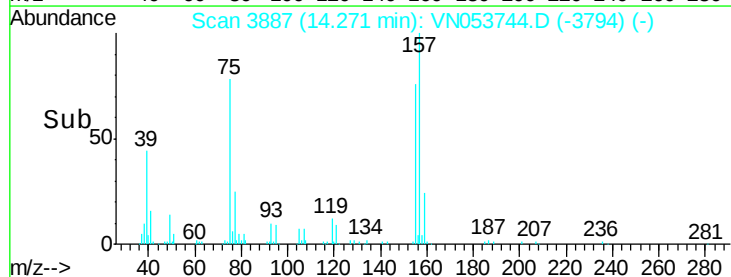
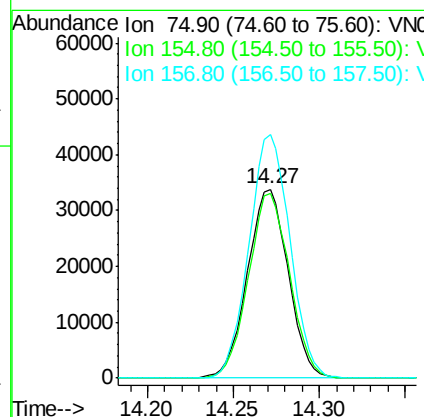
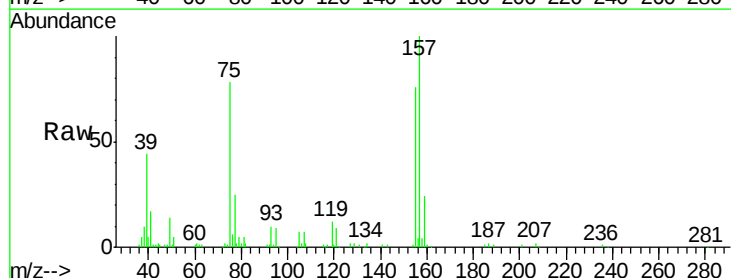
Manual Integrations
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 2/13/2019 12:15:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.742 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	48.9	146.7
157	129.8	63.7	191.3





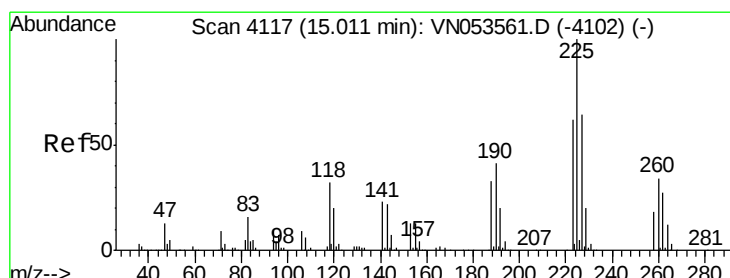
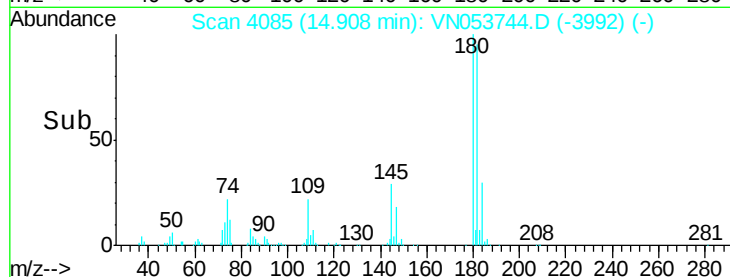
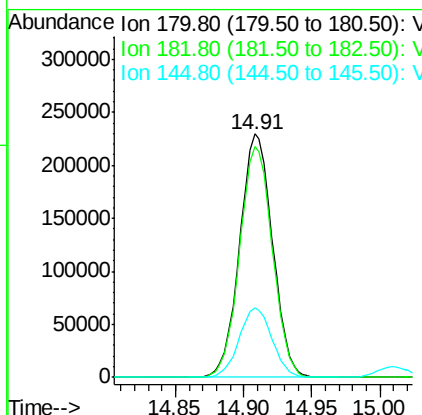
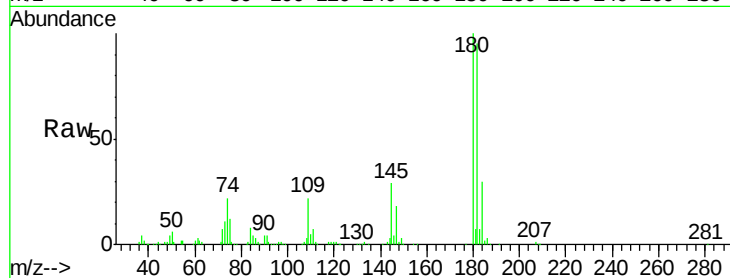
#93
 1,2,4-Trichlorobenzene
 Concen: 49.247 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	48.1	144.3	
145	28.5	13.9	41.6	

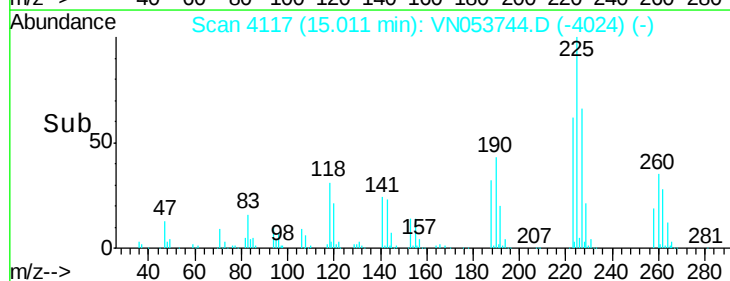
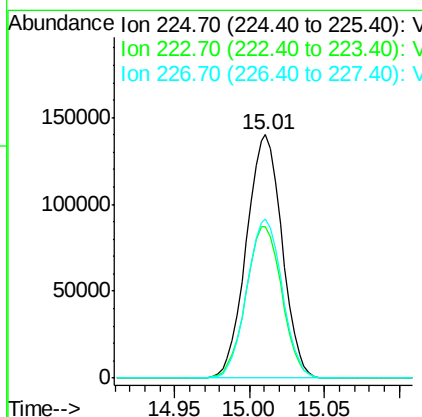
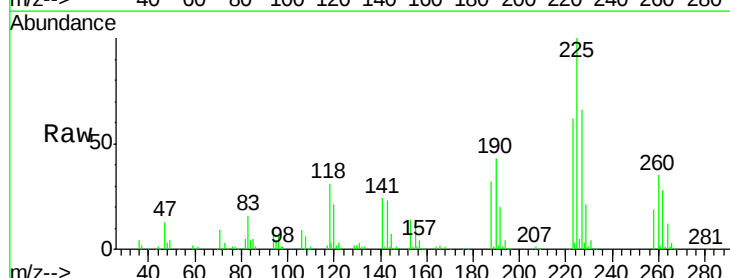
Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:15:52 PM



#94
 Hexachlorobutadiene
 Concen: 47.939 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.1	93.2	
227	64.9	32.0	96.2	





#95

Naphthalene

Concen: 46.026 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

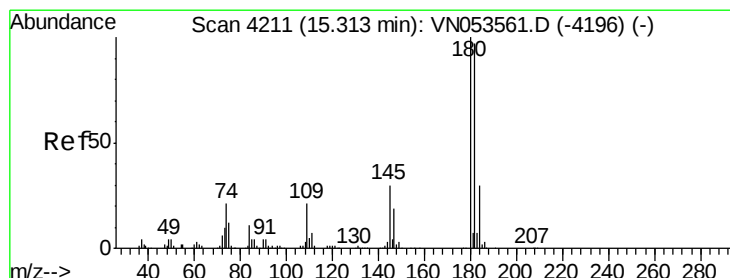
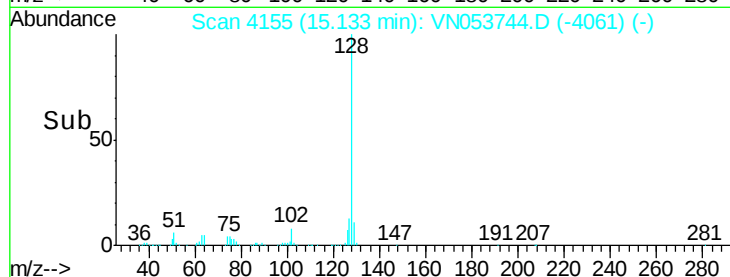
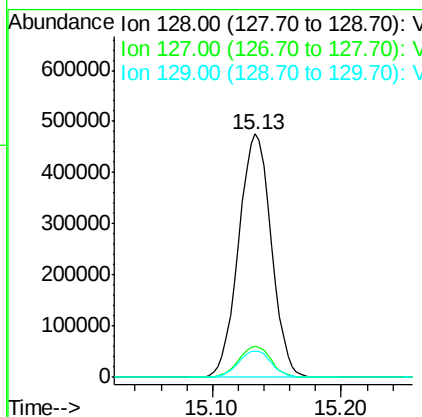
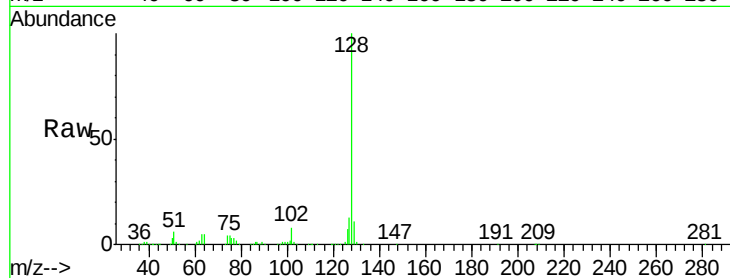
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	838195
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:15:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.575 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Tgt Ion:	180	Resp:	372158
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.8
145	28.8	14.7	44.1

