

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054638.D
 Acq On : 24 Mar 2019 10:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 9:54:37 AM

Quant Time: Mar 25 06:33:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	468128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	742805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	648232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	290518	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.59	113	232132	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.09	98	870209	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
62) 4-Bromofluorobenzene	12.40	95	303764	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	225465	50.381	ug/l	98
3) Chloromethane	2.06	50	294036	48.291	ug/l	100
4) Vinyl Chloride	2.19	62	280434	45.874	ug/l	98
5) Bromomethane	2.57	94	155405	39.314	ug/l	99
6) Chloroethane	2.71	64	158338	43.183	ug/l	99
7) Trichlorofluoromethane	3.02	101	350425	47.202	ug/l	99
8) Diethyl Ether	3.41	74	119995	42.027	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	196754	45.095	ug/l	92
10) Methyl Iodide	3.94	142	268735	41.871	ug/l #	89
11) Tert butyl alcohol	4.81	59	85877	243.607	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	184756	40.918	ug/l #	76
13) Acrolein	3.61	56	36533	75.096	ug/l	91
14) Allyl chloride	4.32	41	438849	51.614	ug/l #	91
15) Acrylonitrile	4.99	53	450472	256.601	ug/l	99
16) Acetone	3.82	43	492217	281.168	ug/l #	83
17) Carbon Disulfide	4.04	76	530817	43.876	ug/l	100
18) Methyl Acetate	4.33	43	200110	51.285	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	644067	48.876	ug/l	95
20) Methylene Chloride	4.54	84	241162	46.733	ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	226452	49.115	ug/l	85
22) Diisopropyl ether	5.96	45	885700	52.811	ug/l #	95
23) Vinyl Acetate	5.90	43	3178725	268.363	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	459038	50.834	ug/l	98
25) 2-Butanone	6.84	43	643498	286.951	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	331874	51.557	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	265003	48.188	ug/l	87
28) Bromochloromethane	7.19	49	232952	52.410	ug/l #	71
29) Tetrahydrofuran	7.22	42	382026	262.514	ug/l #	84
30) Chloroform	7.37	83	445403	50.542	ug/l	98
31) Cyclohexane	7.65	56	444481	51.422	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	364728	50.166	ug/l	94
36) 1,1-Dichloropropene	7.79	75	340039	48.960	ug/l	96
37) Ethyl Acetate	6.94	43	256598	51.946	ug/l	95
38) Carbon Tetrachloride	7.77	117	318082	47.128	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	387220	48.740	ug/l	89
40) Benzene	8.04	78	976256	49.156	ug/l	100
41) Methacrylonitrile	7.17	41	153420	50.928	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	358719	49.597	ug/l	96
43) Isopropyl Acetate	8.17	43	441408	52.911	ug/l #	92
44) Trichloroethene	8.83	130	260640	47.204	ug/l	90
45) 1,2-Dichloropropane	9.12	63	274019	51.382	ug/l	100
46) Dibromomethane	9.21	93	156258	49.115	ug/l	90
47) Bromodichloromethane	9.40	83	336115	50.905	ug/l	98
48) Methyl methacrylate	9.20	41	227905	50.333	ug/l	87
49) 1,4-Dioxane	9.20	88	48226	952.699	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	1236478	267.437	ug/l	93
52) Toluene	10.16	92	590682	48.357	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	326094	46.960	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	398199	52.597	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	217512	49.537	ug/l	95
56) Ethyl methacrylate	10.43	69	302591	51.344	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	384041	50.315	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	557842	229.869	ug/l	90
59) 2-Hexanone	10.75	43	835290	276.588	ug/l	91
60) Dibromochloromethane	10.90	129	237067	50.739	ug/l	98
61) 1,2-Dibromoethane	11.00	107	214475	49.408	ug/l	100
64) Tetrachloroethene	10.63	164	253574	47.161	ug/l	95
65) Chlorobenzene	11.43	112	637963	48.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	236186	49.910	ug/l	99
67) Ethyl Benzene	11.51	91	1148096	49.297	ug/l	98
68) m/p-Xylenes	11.62	106	854644	96.884	ug/l	94
69) o-Xylene	11.95	106	413863	48.040	ug/l	95
70) Styrene	11.96	104	697419	49.851	ug/l	96
71) Bromoform	12.13	173	143961	44.386	ug/l #	99
73) Isopropylbenzene	12.25	105	1106730	46.966	ug/l	98
74) N-amyl acetate	12.07	43	363788	53.690	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	270964	50.372	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	225175m	48.525	ug/l	
77) Bromobenzene	12.53	156	273728	46.836	ug/l	86
78) n-propylbenzene	12.59	91	1253991	49.075	ug/l	97
79) 2-Chlorotoluene	12.67	91	752755	47.241	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	915013	47.378	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58937	44.179	ug/l #	80
82) 4-Chlorotoluene	12.77	91	757772	49.061	ug/l	95
83) tert-Butylbenzene	12.99	119	798246	47.483	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	907983	47.913	ug/l	98
85) sec-Butylbenzene	13.17	105	1007566	48.079	ug/l	98
86) p-Isopropyltoluene	13.29	119	914022	48.751	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	473416	48.881	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	454727	48.256	ug/l	98
89) n-Butylbenzene	13.61	91	759465	51.804	ug/l	98
90) Hexachloroethane	13.87	117	142057	48.812	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	453731	48.368	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39642	50.243	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	239165	51.143	ug/l	98
94) Hexachlorobutadiene	15.01	225	152076	58.291	ug/l	99
95) Naphthalene	15.13	128	502957	48.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	226911	48.753	ug/l	99

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

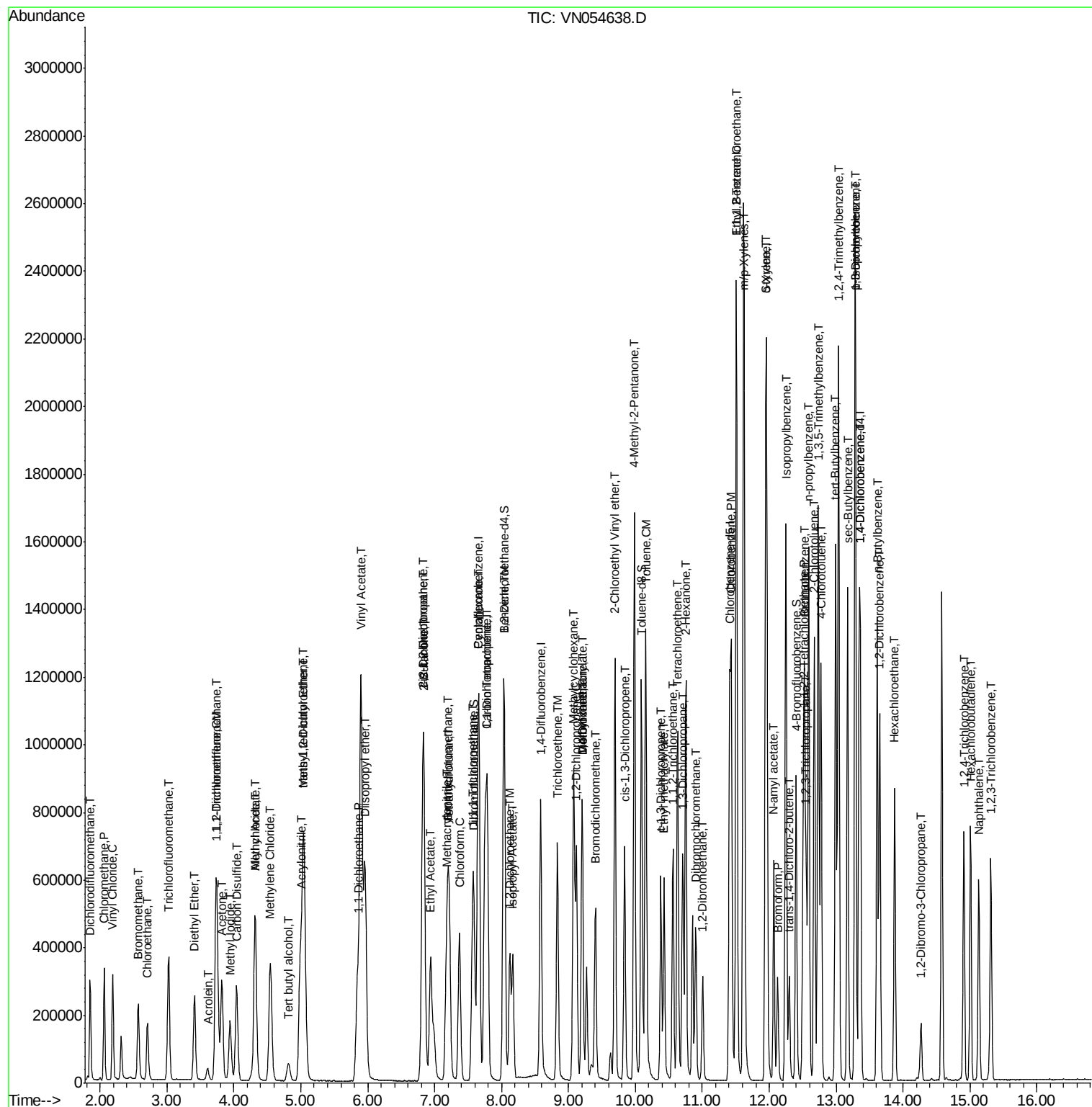
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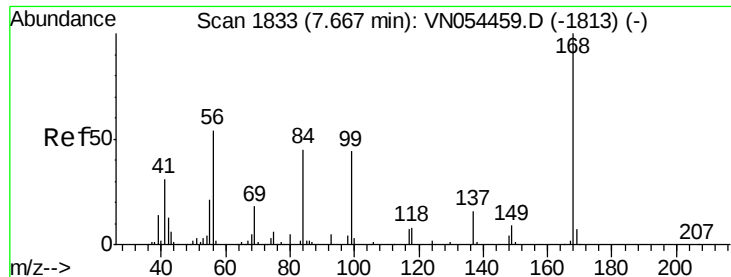
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 468128

Ion Ratio Lower Upper

168 100

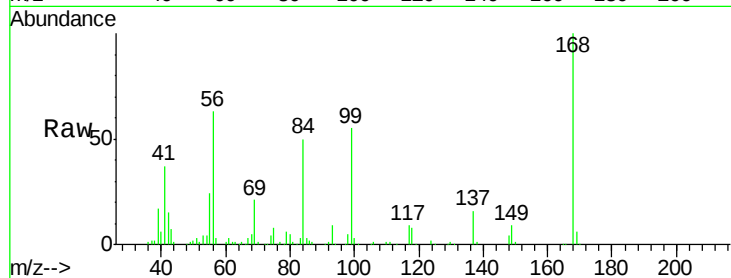
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Manual Integrations

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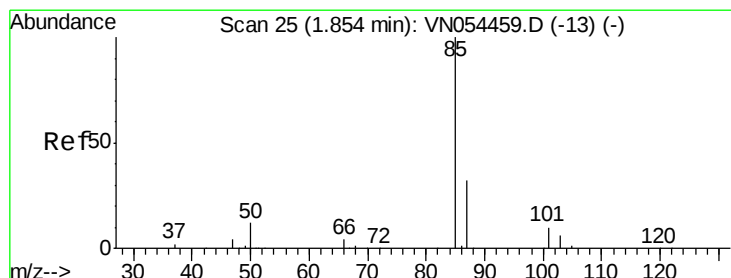
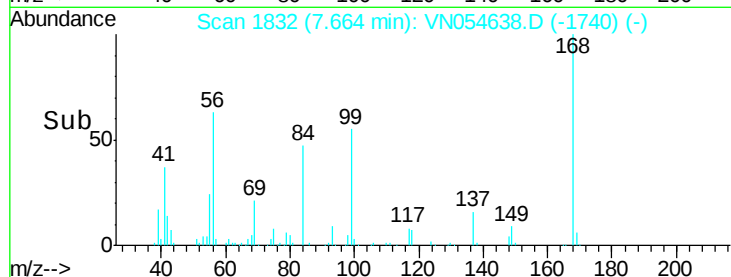
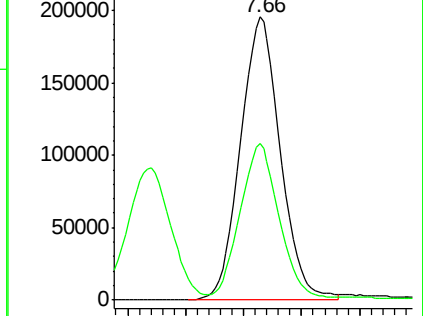
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.381 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054638.D

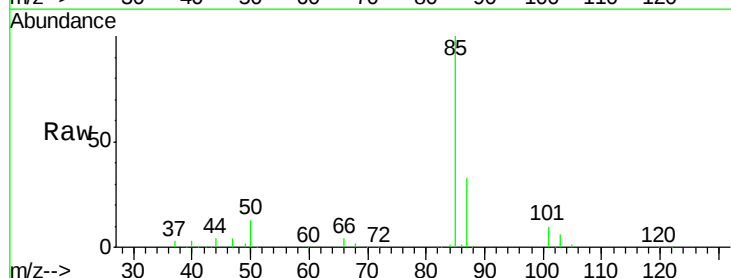
Acq: 24 Mar 2019 10:32

Tgt Ion: 85 Resp: 225465

Ion Ratio Lower Upper

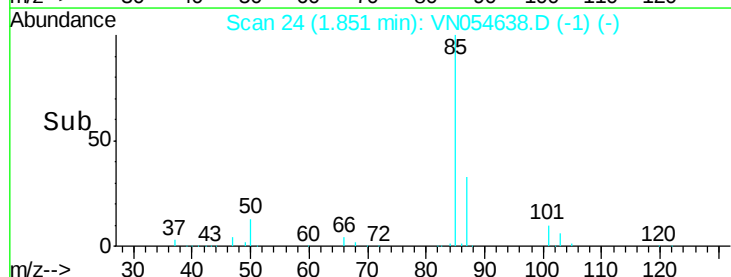
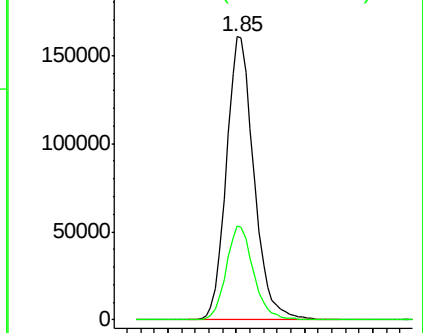
85 100

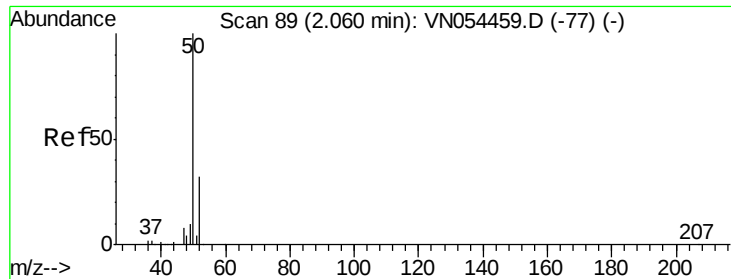
87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.291 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 294036

Ion Ratio Lower Upper

50 100

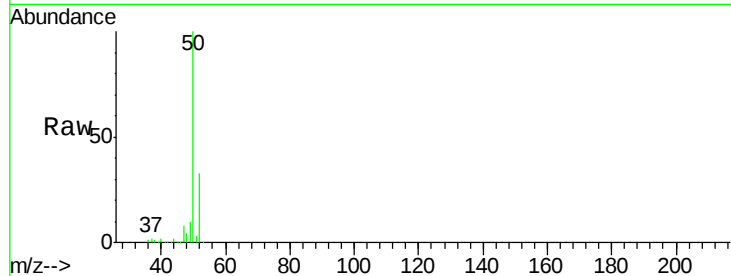
52 32.9 26.4 39.6

Manual Integrations

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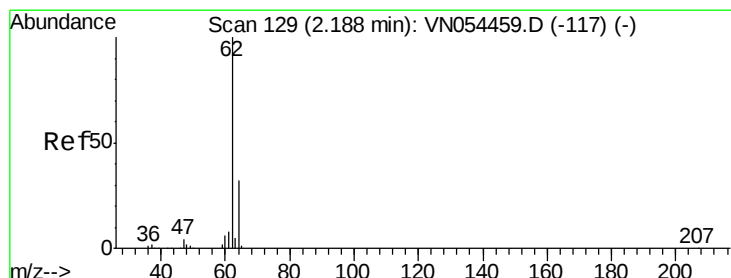
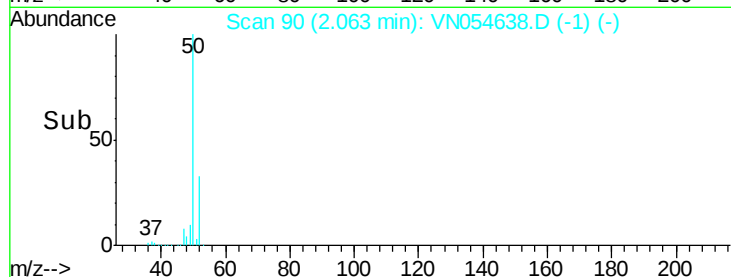
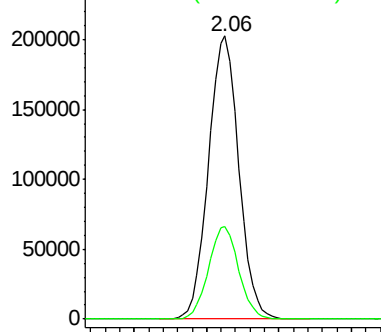
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3/25/2019 9:54:37 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.874 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054638.D

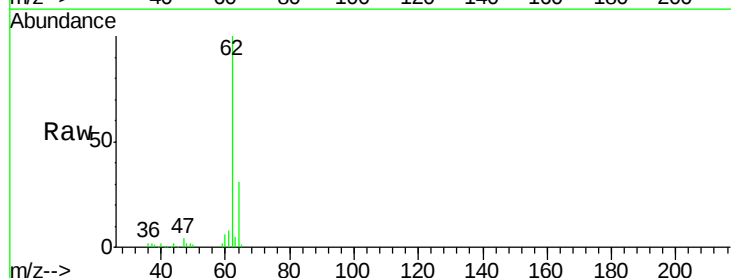
Acq: 24 Mar 2019 10:32

Tgt Ion: 62 Resp: 280434

Ion Ratio Lower Upper

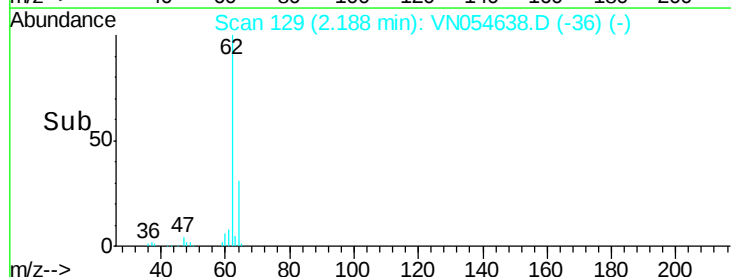
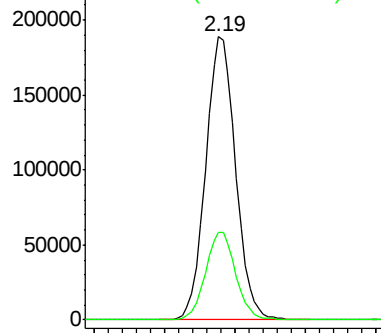
62 100

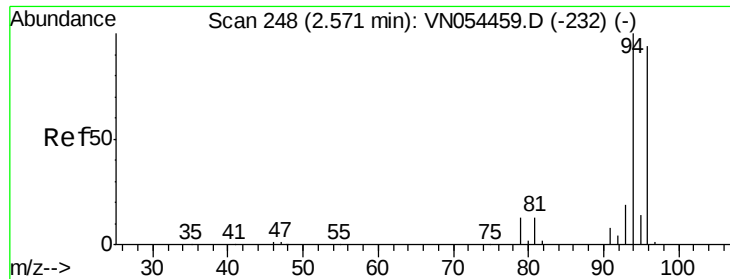
64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 39.314 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

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Tot Ion: 94 Resp: 155405

Ion Ratio Lower Upper

94 100

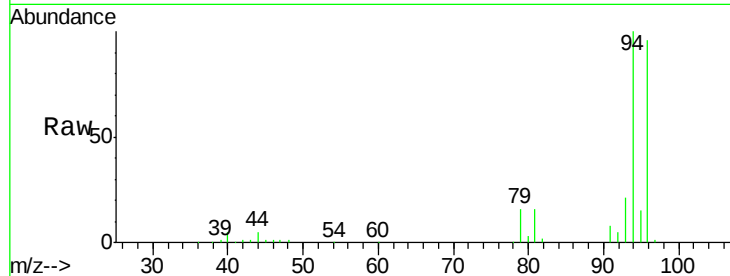
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Manual Integrations

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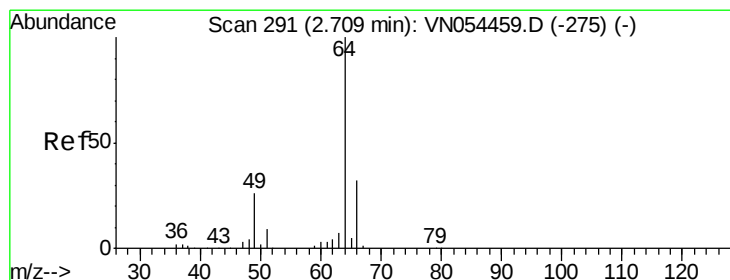
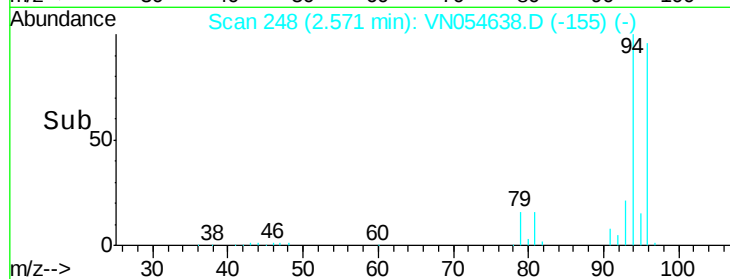
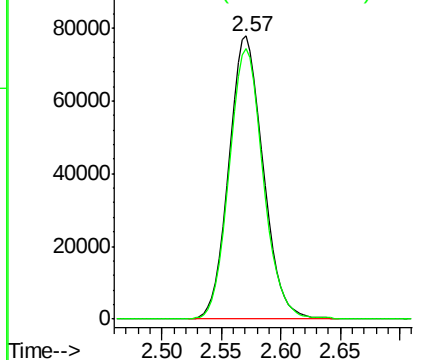
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.183 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

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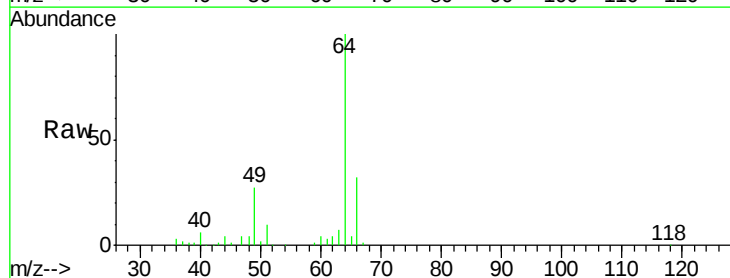
Acq: 24 Mar 2019 10:32

Tgt Ion: 64 Resp: 158338

Ion Ratio Lower Upper

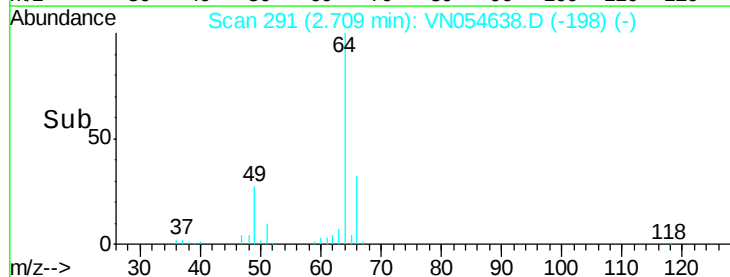
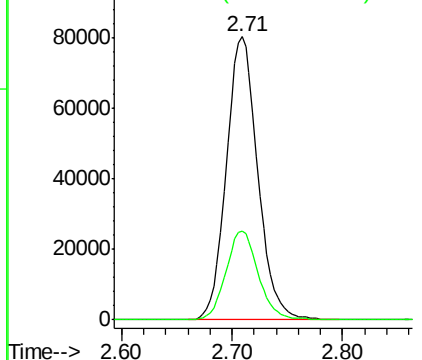
64 100

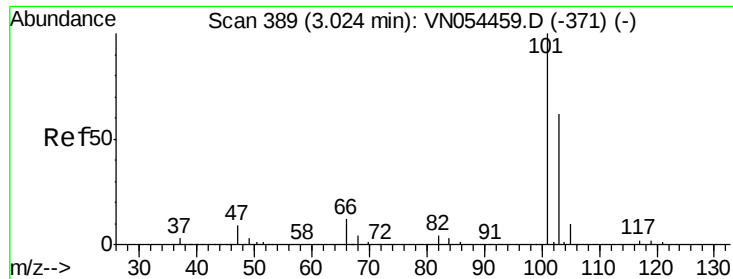
66 31.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

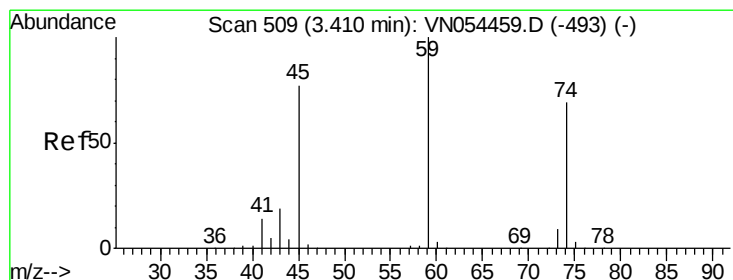
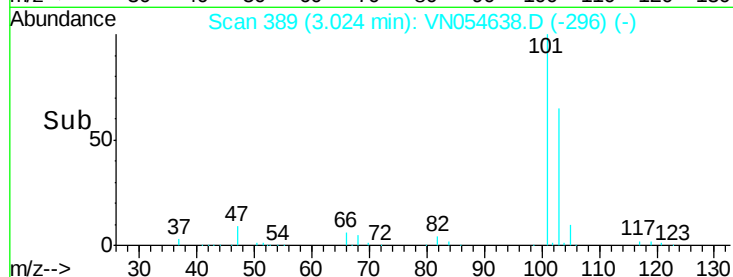
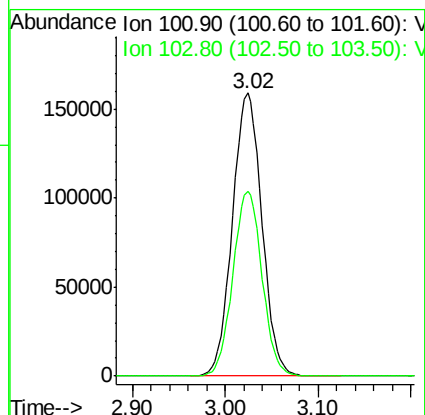
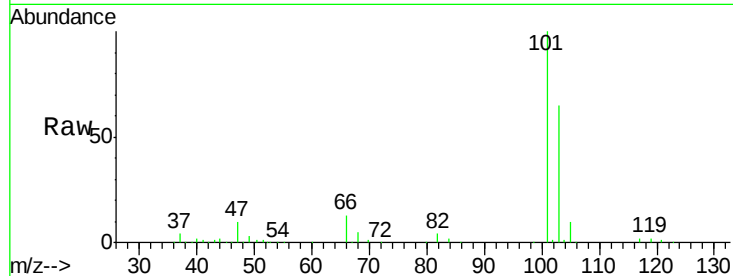
Trichlorofluoromethane
 Concen: 47.202 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054638.D
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Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 350425
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.2

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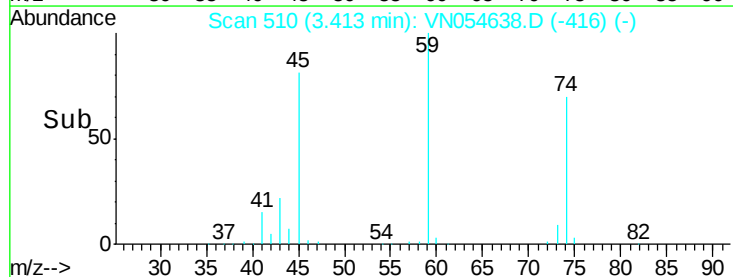
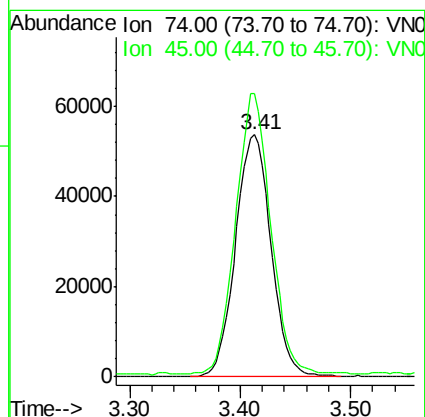
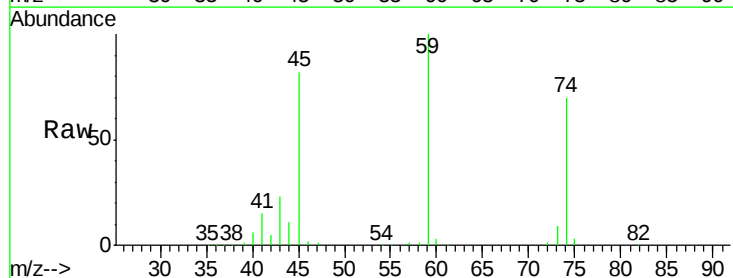
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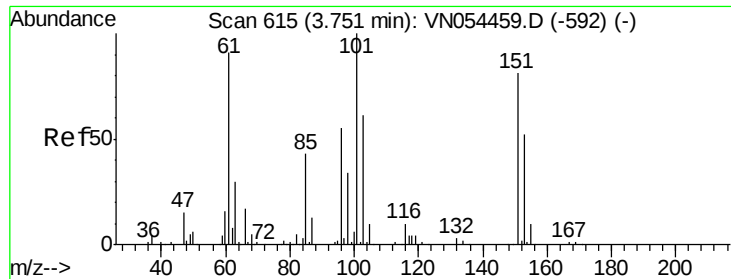


#8

Diethyl Ether
 Concen: 42.027 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion: 74 Resp: 119995
 Ion Ratio Lower Upper
 74 100
 45 114.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.095 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

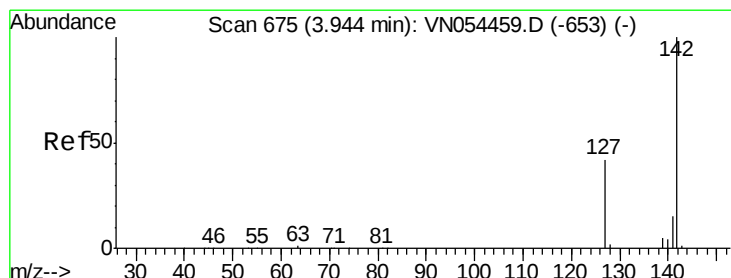
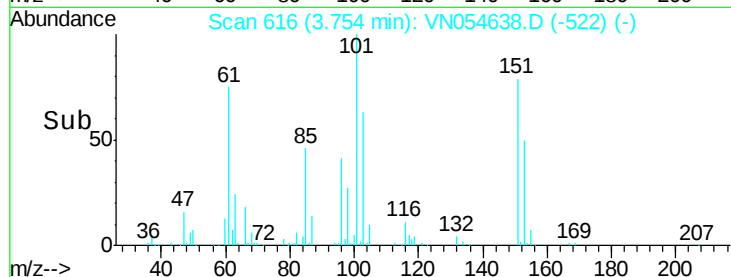
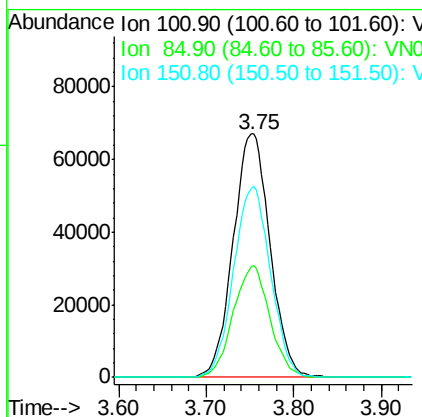
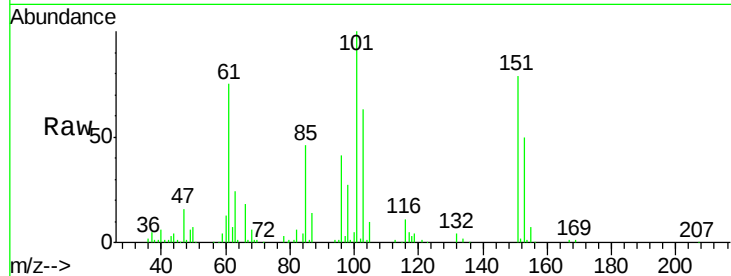
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	196754
Ion Ratio	Lower	Upper	
101	100		
85	45.2	32.4	48.6
151	78.2	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 41.871 ug/l

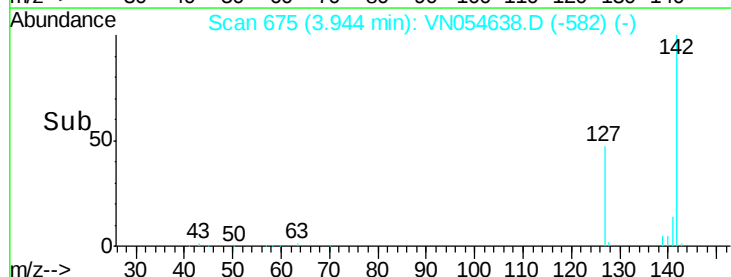
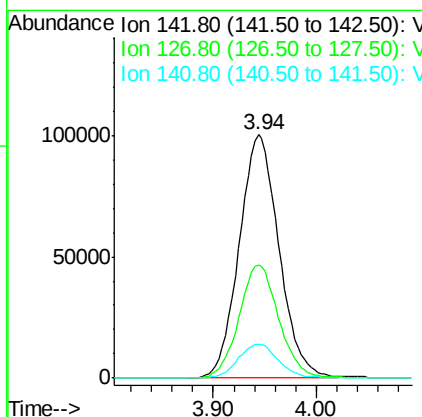
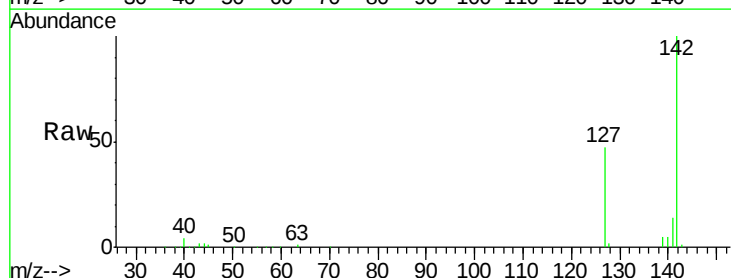
RT: 3.94 min Scan# 675

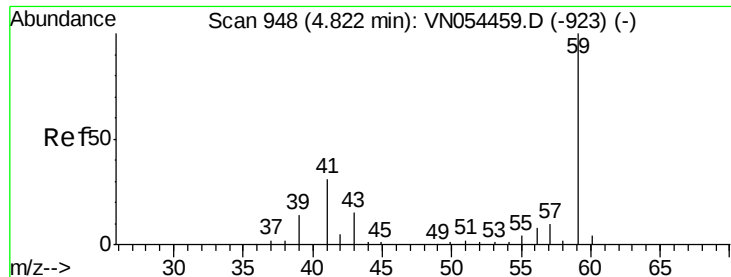
Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Tgt Ion:	142	Resp:	268735
Ion Ratio	Lower	Upper	
142	100		
127	46.8	30.3	45.5#
141	14.3	11.2	16.8





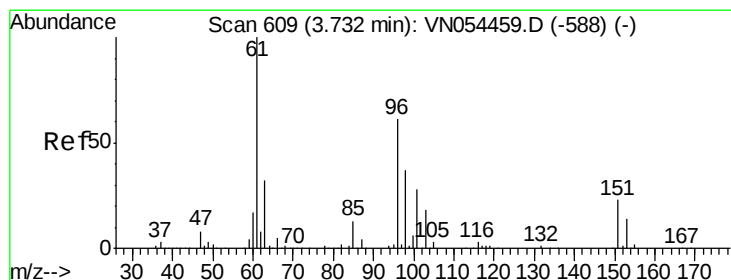
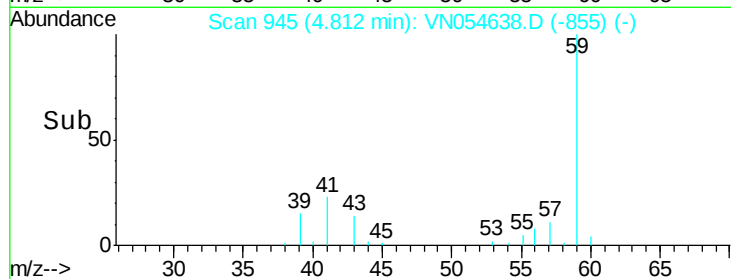
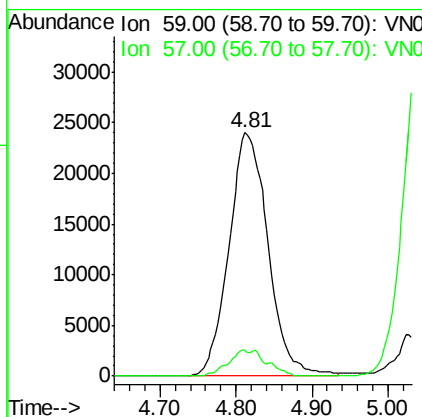
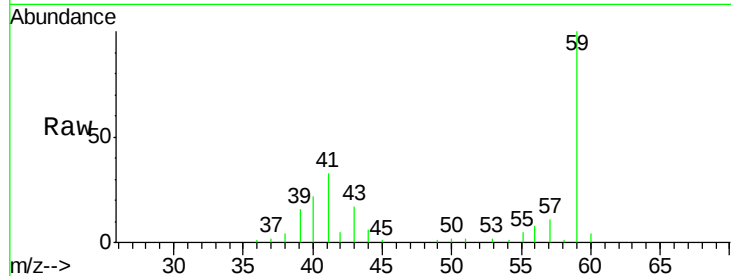
#11
Tert butyl alcohol
Concen: 243.607 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	5.9	Resp:	85877	Lower	Upper
59	100								
57		5.9				9.0			13.6#

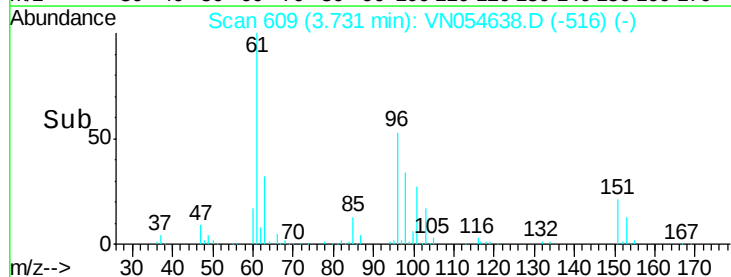
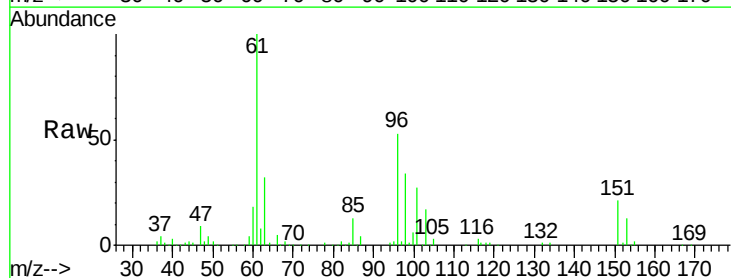
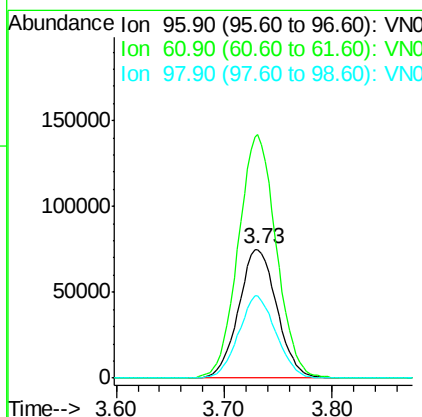
Manual Integrations
APPROVED

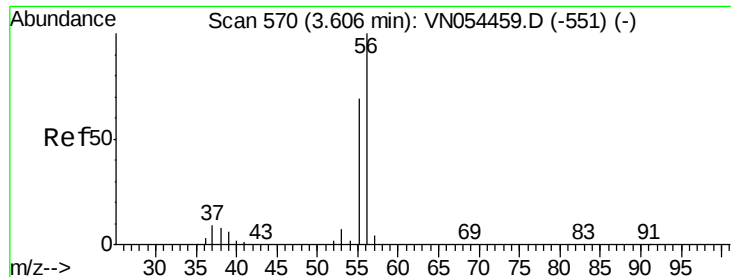
MMDadoda
3/25/2019 9:54:37 AM



#12
1,1-Dichloroethene
Concen: 40.918 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	96	61	98	Ratio	100	189.1	64.0	Resp:	184756	Lower	Upper
96	100										
61		189.1						116.5			174.7#
98			64.0					51.0			76.4





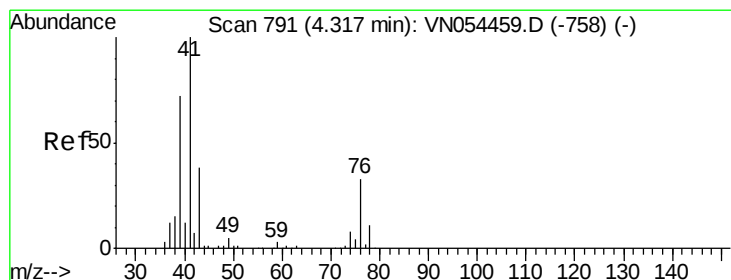
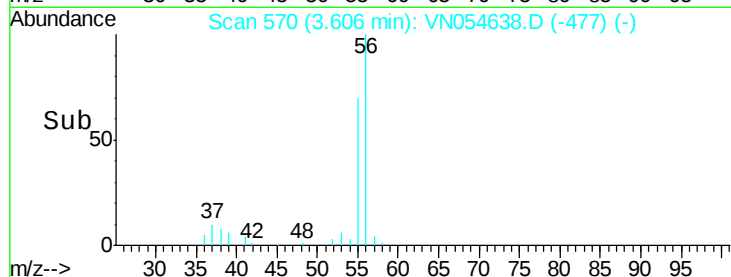
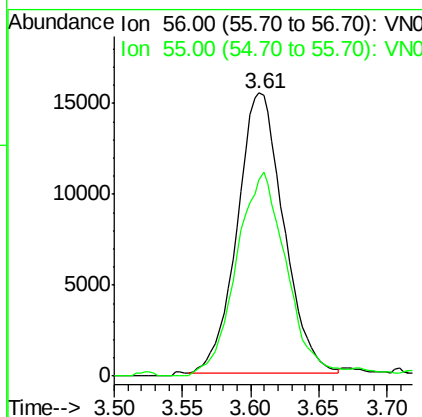
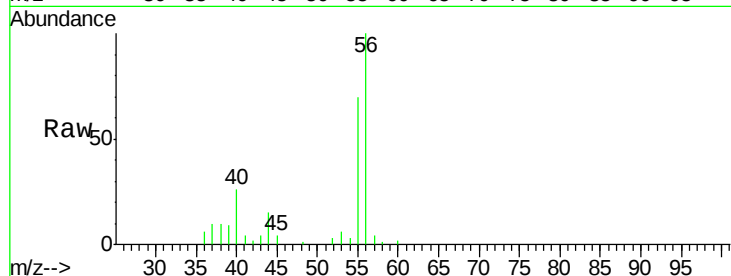
#13
Acrolein
Concen: 75.096 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	Resp	36533	Lower	Upper
56	100							
55	78.2				56.7		85.1	

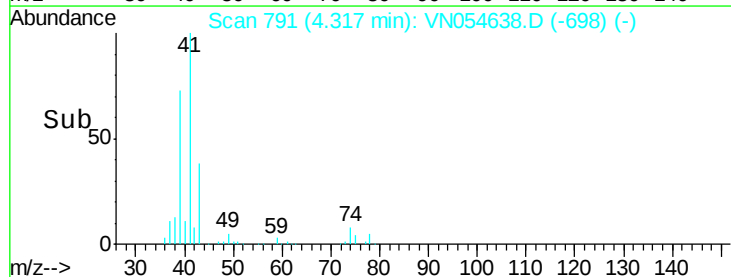
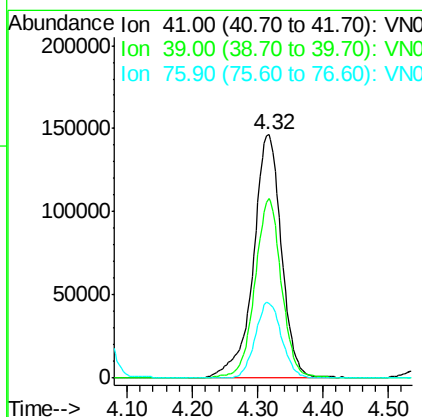
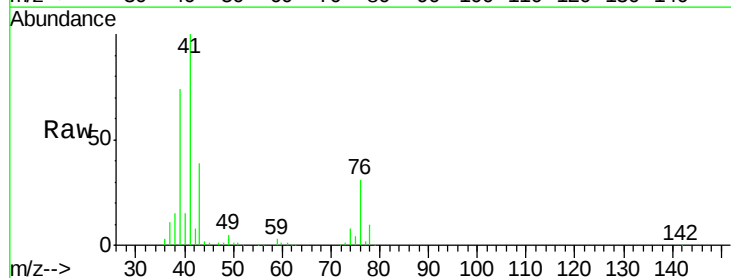
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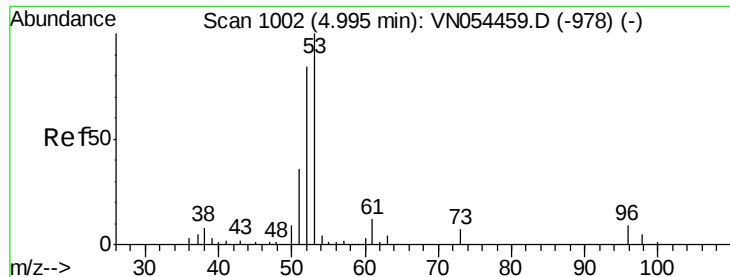
MMDadoda
3/25/2019 9:54:37 AM



#14
Allyl chloride
Concen: 51.614 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	41	39	76	Ratio	100	Resp	438849	Lower	Upper
41	100								
39	69.1				58.2		87.4		
76	29.3				31.7		47.5#		





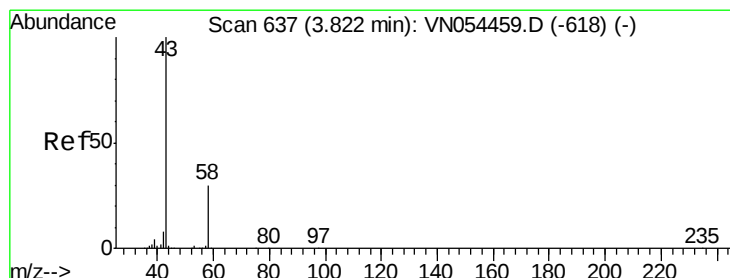
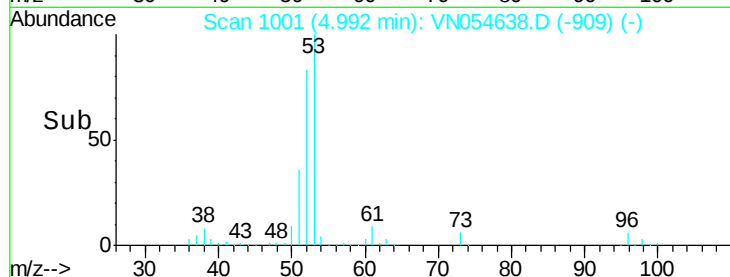
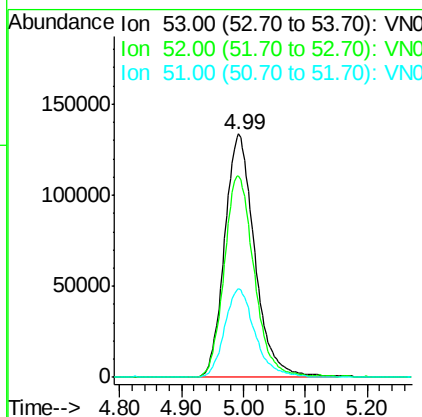
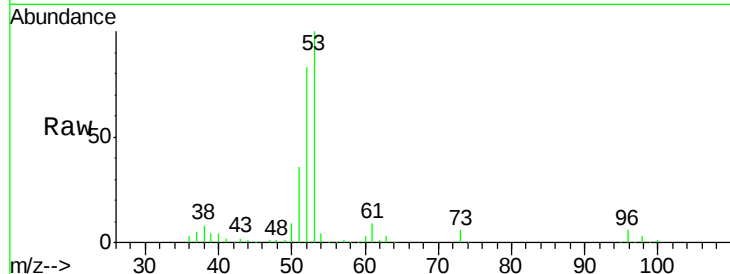
#15
 Acrylonitrile
 Concen: 256.601 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	37.2	29.6	44.4

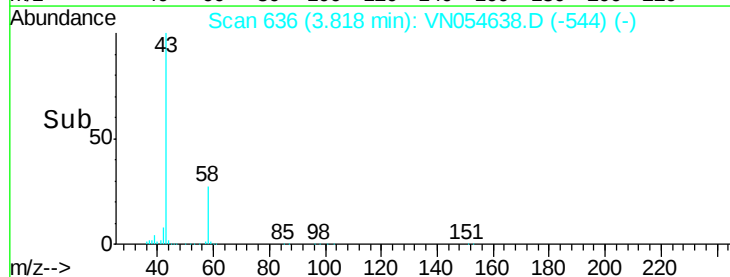
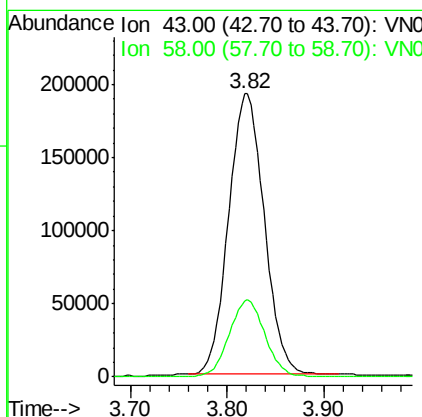
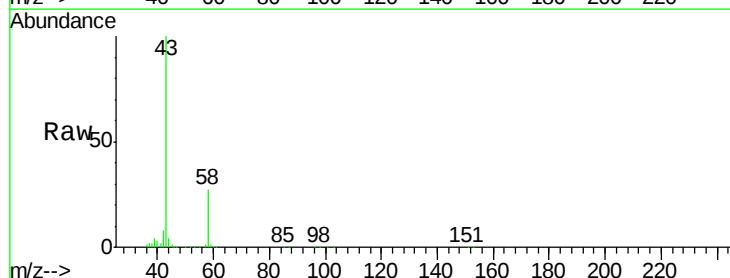
Manual Integrations
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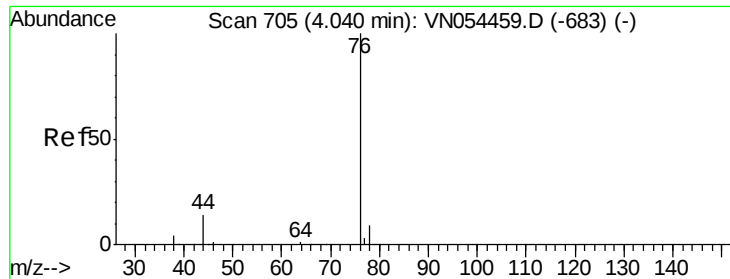
MMDadoda
 3/25/2019 9:54:37 AM



#16
 Acetone
 Concen: 281.168 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.0	29.9	44.9#





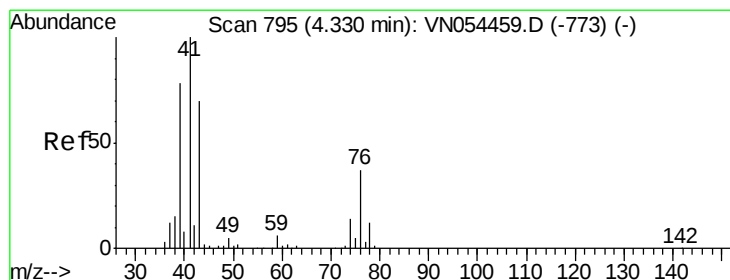
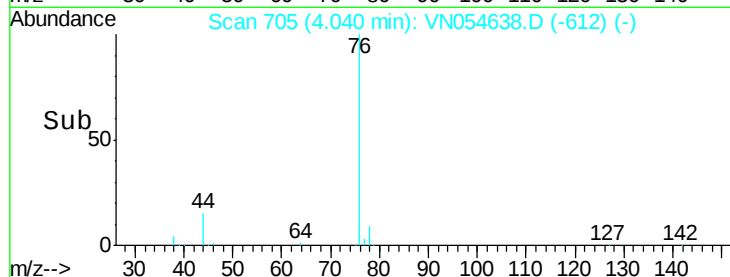
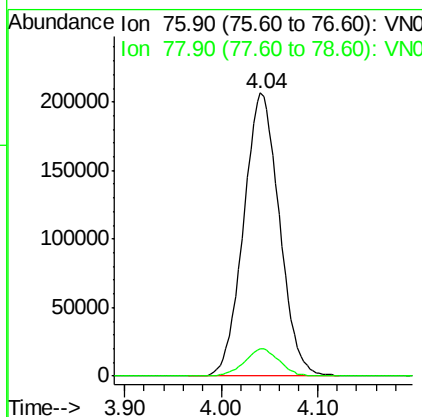
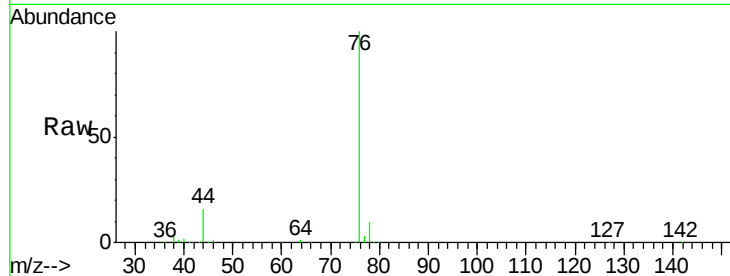
#17
Carbon Disulfide
Concen: 43.876 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.5	11.3

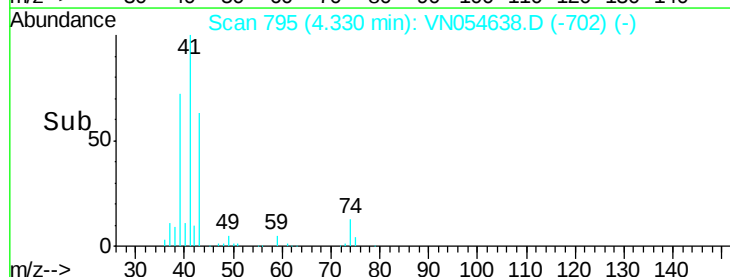
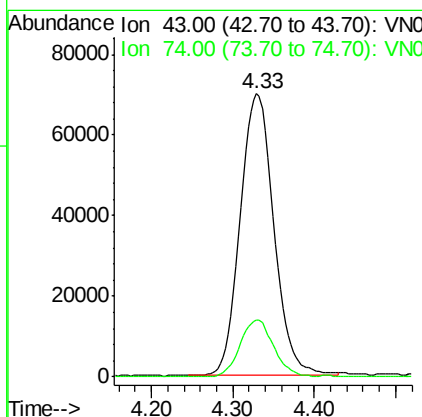
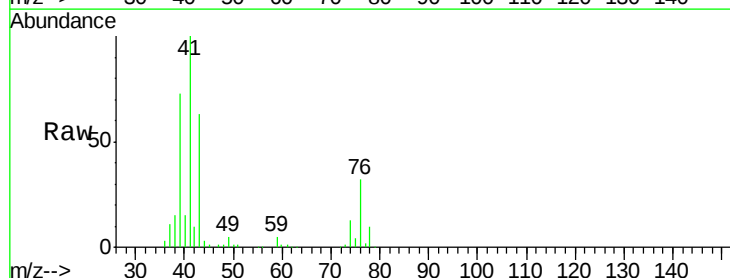
Manual Integrations
APPROVED

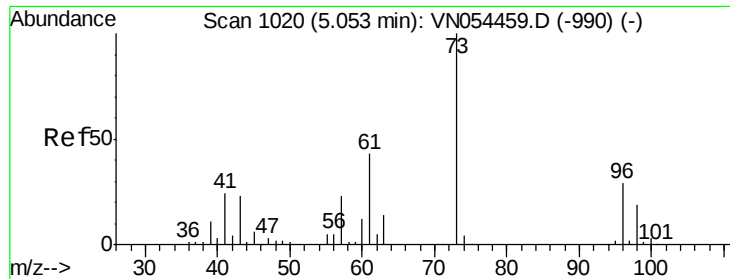
MMDadoda
3/25/2019 9:54:37 AM



#18
Methyl Acetate
Concen: 51.285 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	20.8	31.2#





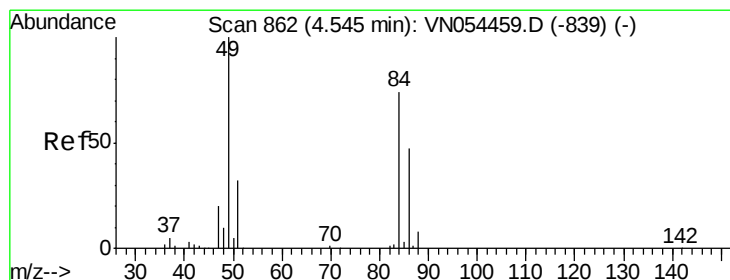
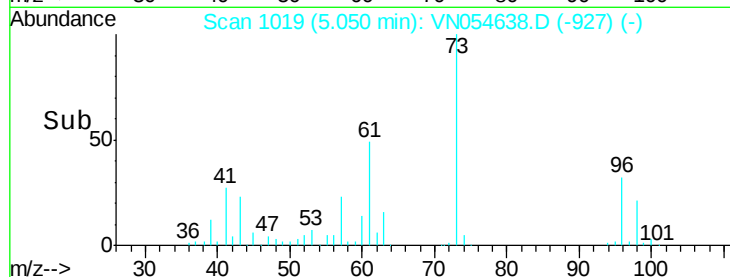
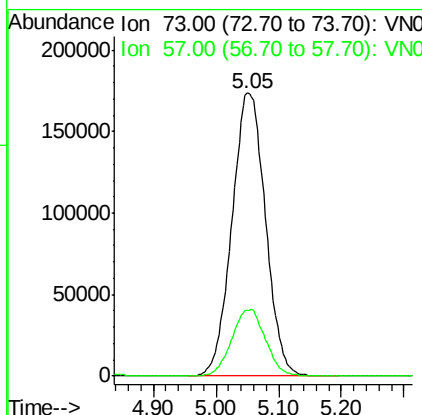
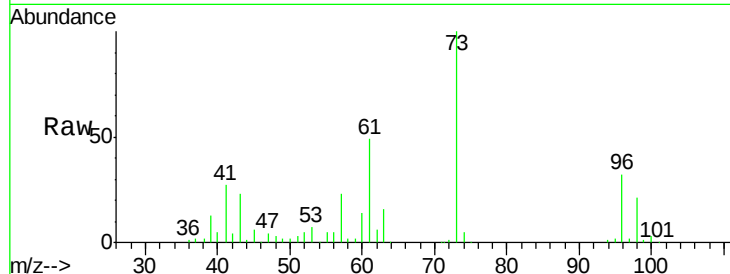
#19
Methvl tert-butvl Ether
Concen: 48.876 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 644067
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2

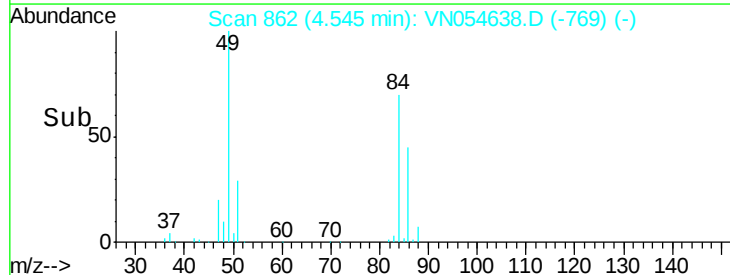
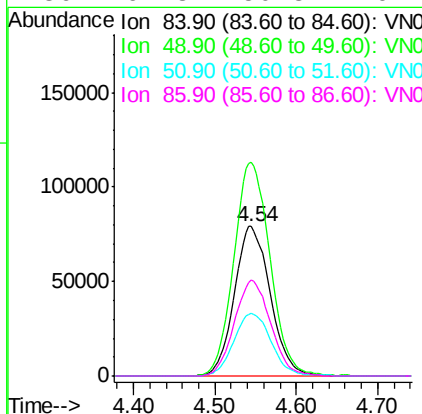
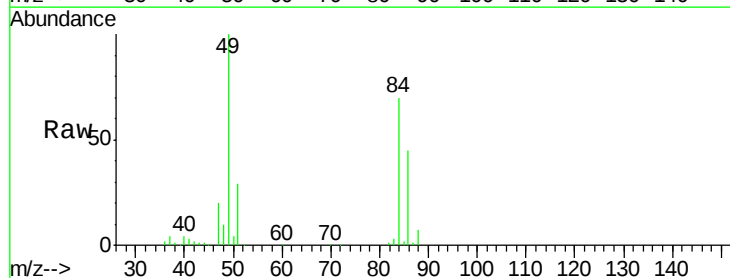
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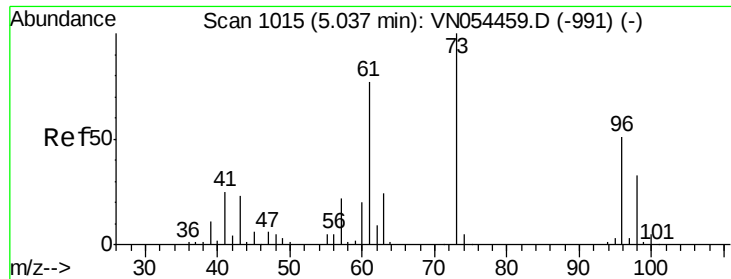
MMDadoda
3/25/2019 9:54:37 AM



#20
Methylene Chloride
Concen: 46.733 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 84 Resp: 241162
Ion Ratio Lower Upper
84 100
49 143.1 89.7 134.5#
51 41.6 28.2 42.4
86 64.3 50.8 76.2





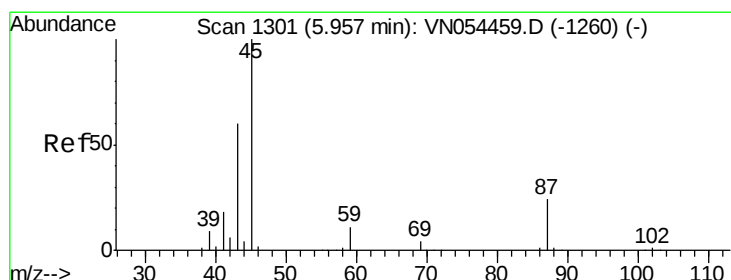
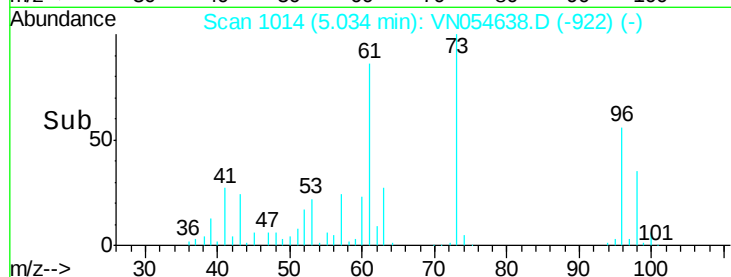
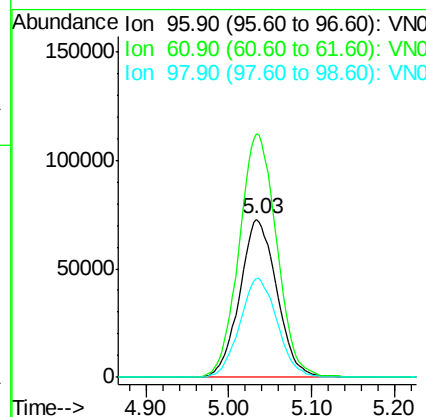
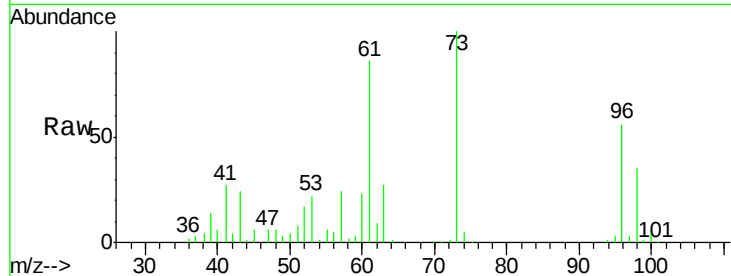
#21
trans-1,2-Dichloroethene
Concen: 49.115 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.0	102.8	154.2
98	62.7	50.0	75.0

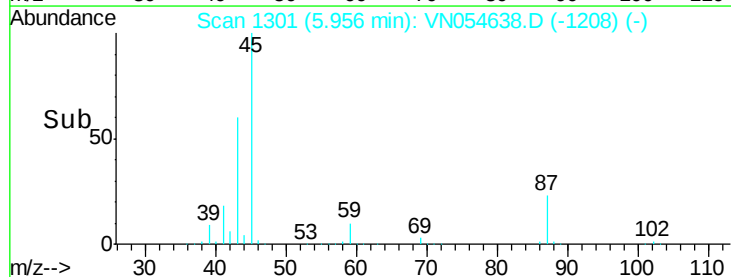
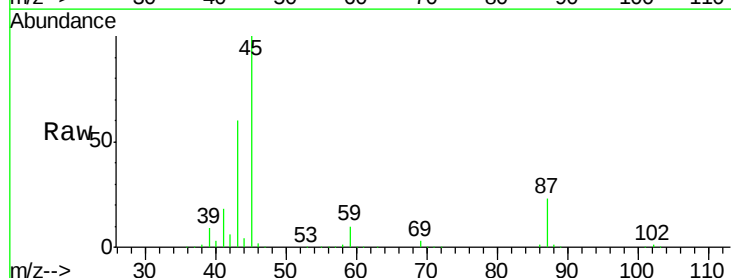
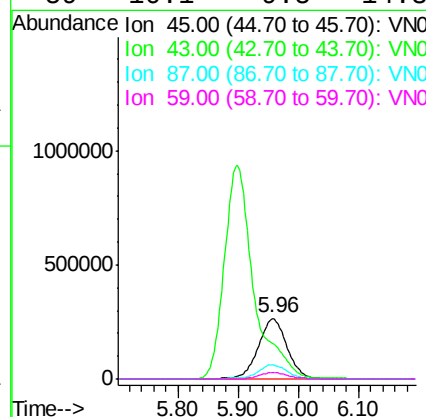
Manual Integrations
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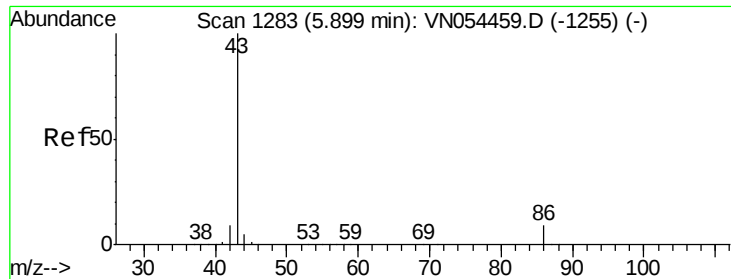
MMDadoda
3/25/2019 9:54:37 AM



#22
Diisopropyl ether
Concen: 52.811 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.1	48.2	72.2
87	23.0	24.9	37.3
59	10.1	9.5	14.3





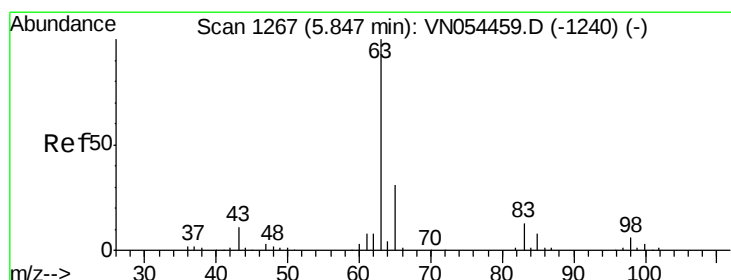
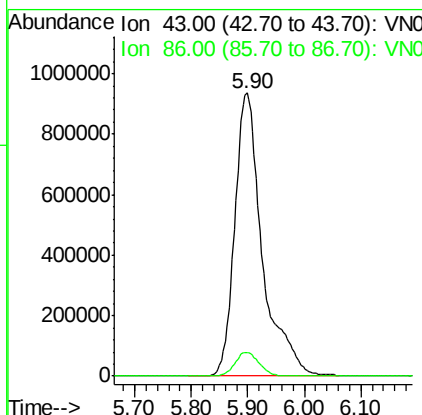
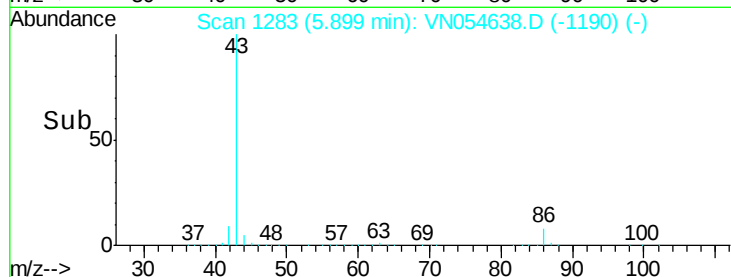
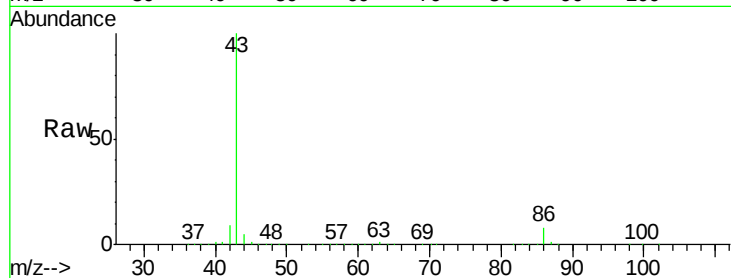
#23
 Vinyl Acetate
 Concen: 268.363 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3178725
 Ion Ratio Lower Upper
 43 100
 86 8.4 9.1 13.7#

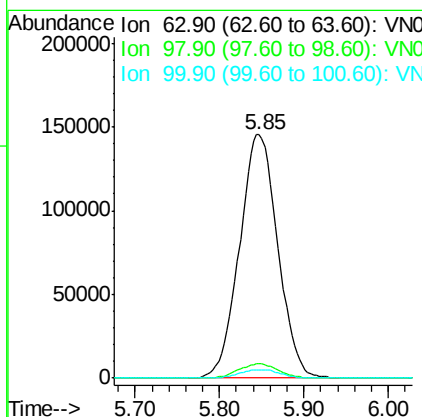
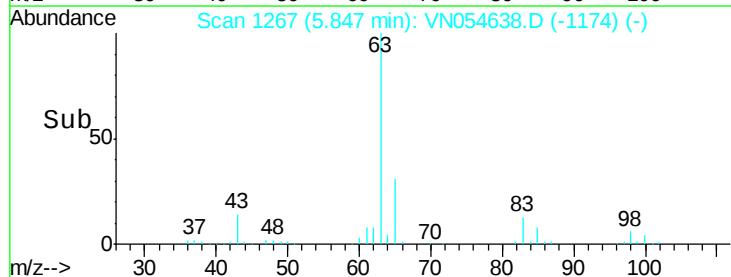
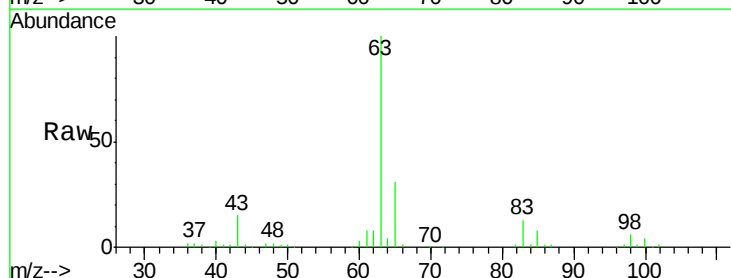
Manual Integrations
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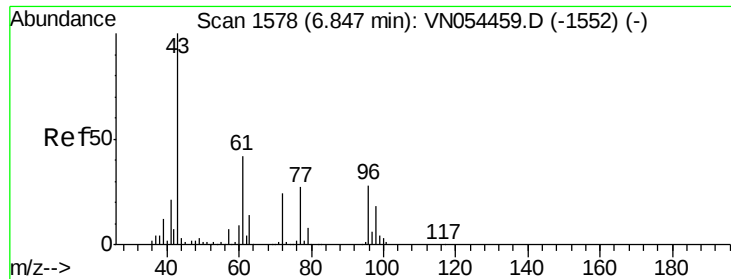
MMDadoda
 3/25/2019 9:54:37 AM



#24
 1,1-Dichloroethane
 Concen: 50.834 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion: 63 Resp: 459038
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.5
 100 3.5 2.0 6.0





#25

2-Butanone

Concen: 286.951 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 643498

Ion Ratio Lower Upper

43 100

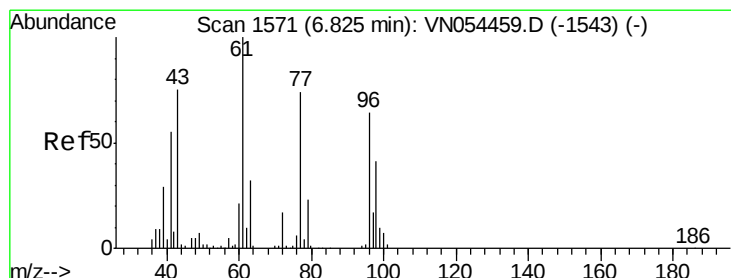
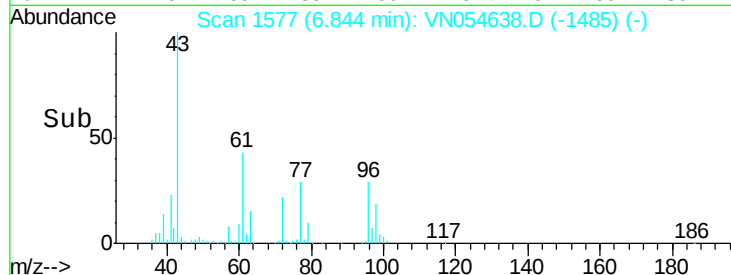
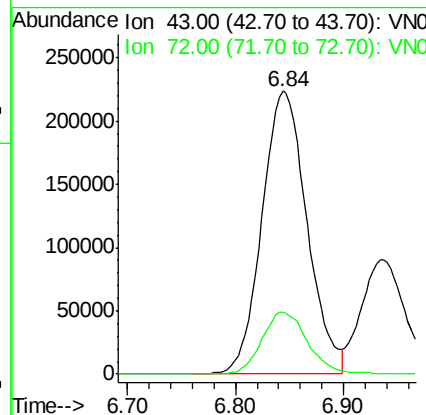
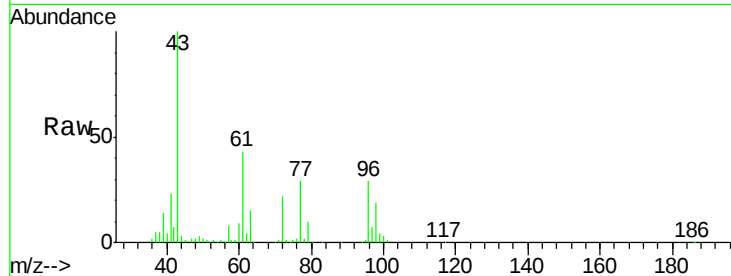
72 21.8 23.0 34.6#

Manual Integrations

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MMDadoda

3/25/2019 9:54:37 AM



#26

2,2-Dichloropropane

Concen: 51.557 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054638.D

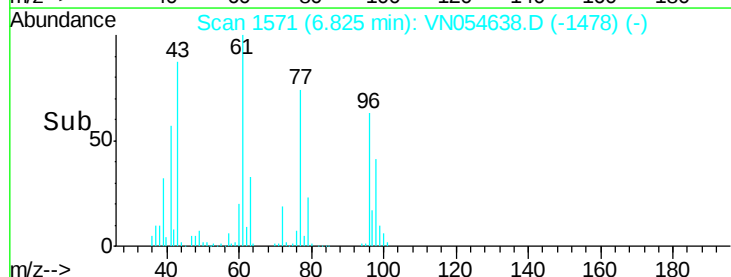
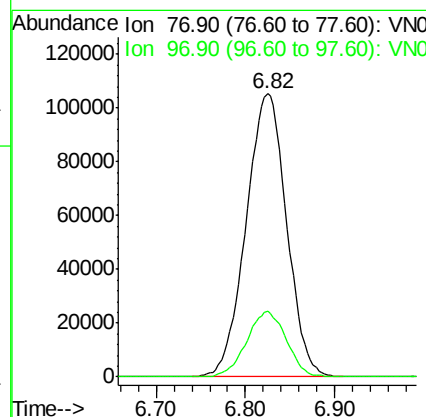
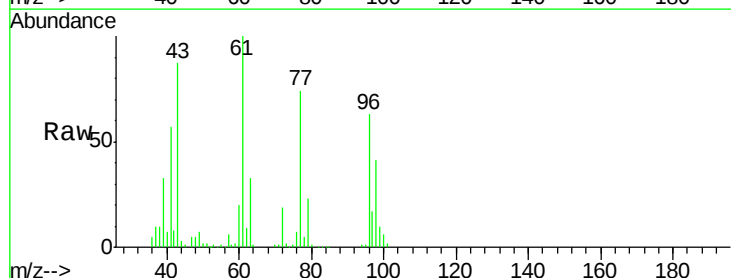
Acq: 24 Mar 2019 10:32

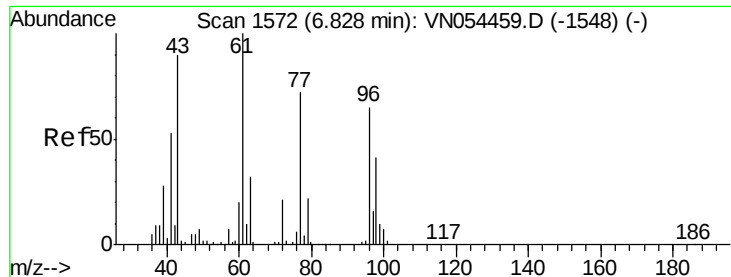
Tgt Ion: 77 Resp: 331874

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 48.188 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

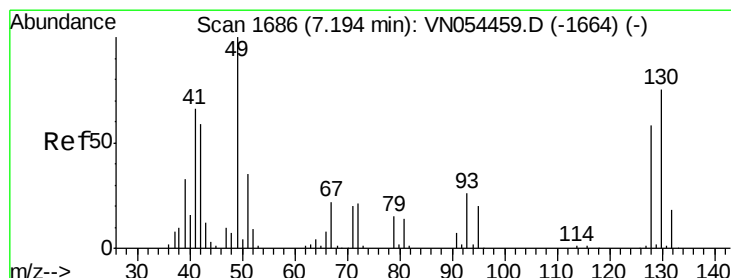
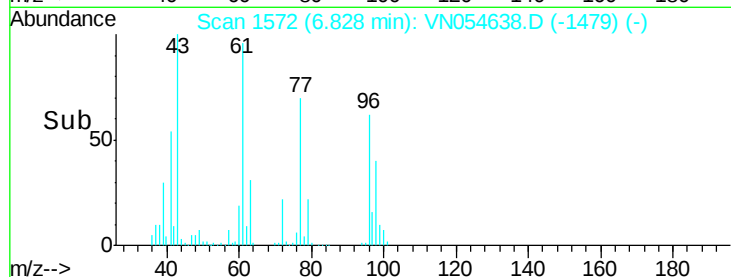
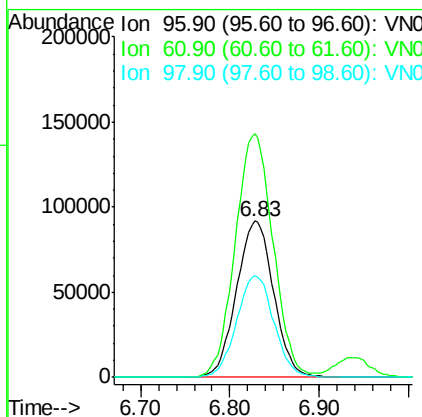
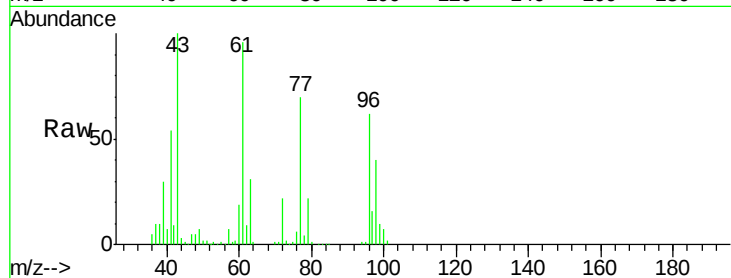
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	265003
Ion Ratio	Lower	Upper	
96	100		
61	158.9	0.0	273.0
98	65.4	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 52.410 ug/l

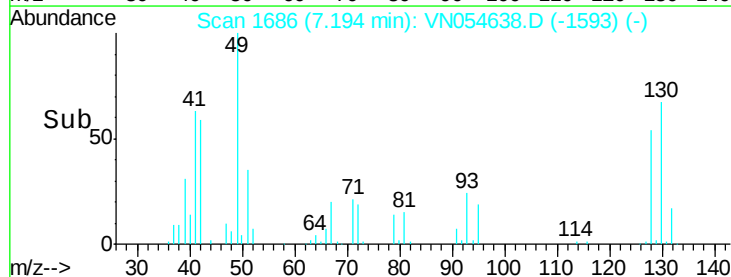
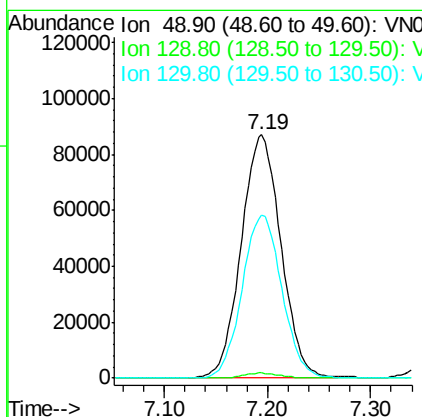
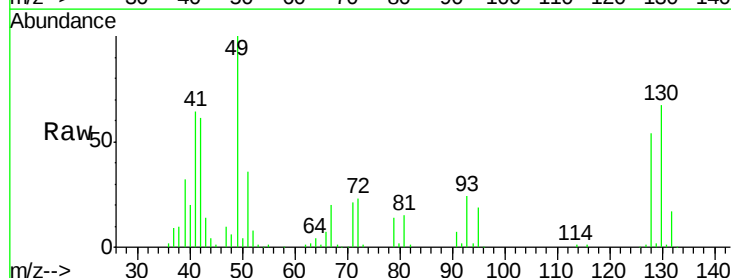
RT: 7.19 min Scan# 1686

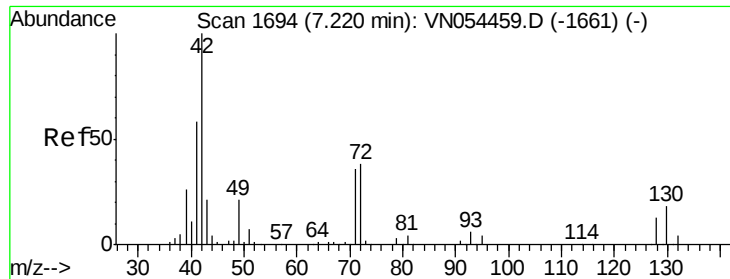
Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Tgt Ion:	49	Resp:	232952
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.6
130	67.0	76.7	115.1#





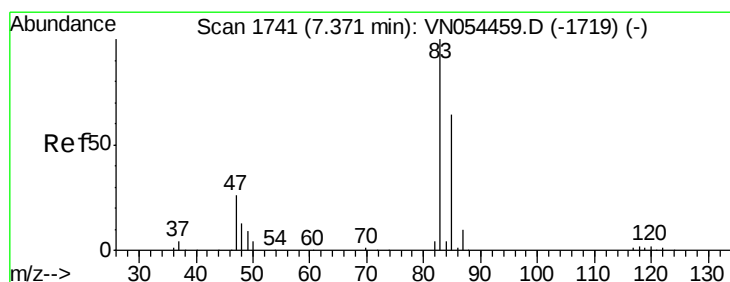
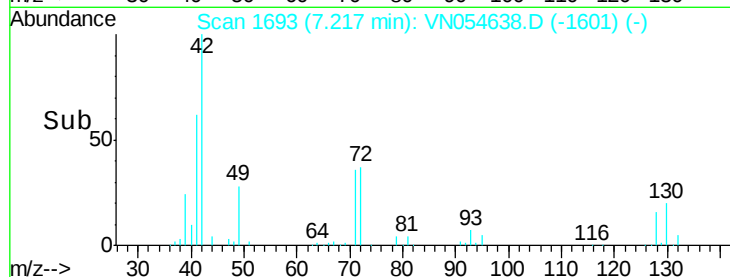
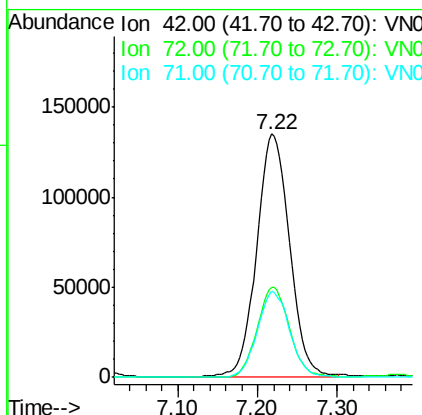
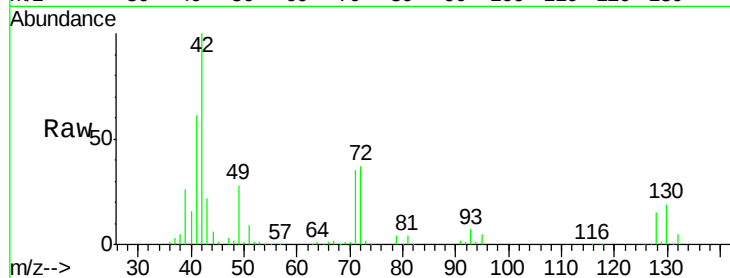
#29
Tetrahydrofuran
Concen: 262.514 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	37.8	56.6#
71	34.9	36.2	54.2#

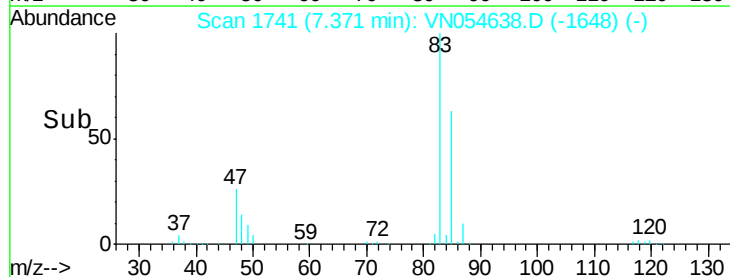
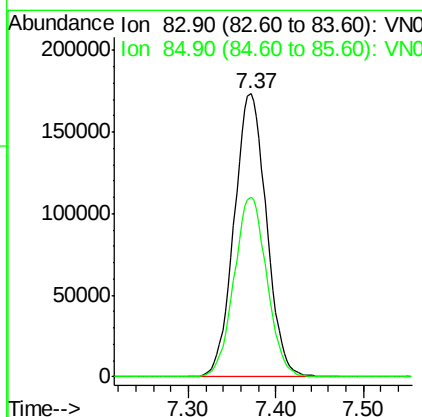
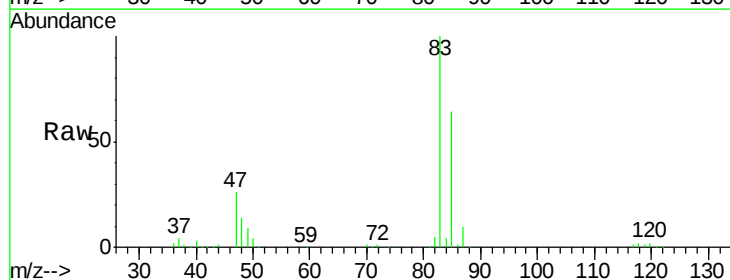
Manual Integrations
APPROVED

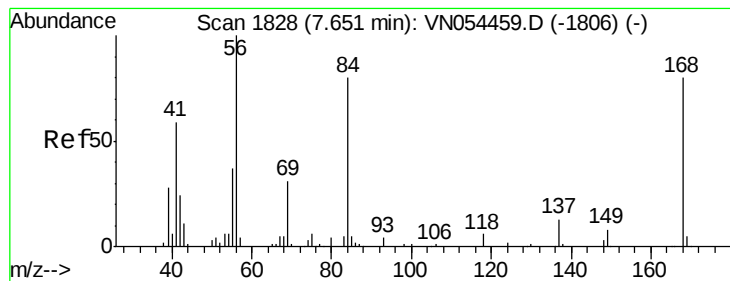
MMDadoda
3/25/2019 9:54:37 AM



#30
Chloroform
Concen: 50.542 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.4





#31

Cyclohexane

Concen: 51.422 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

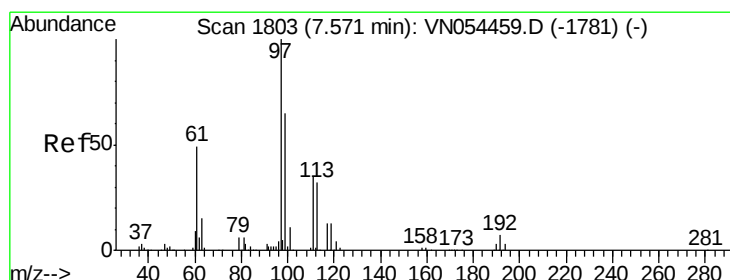
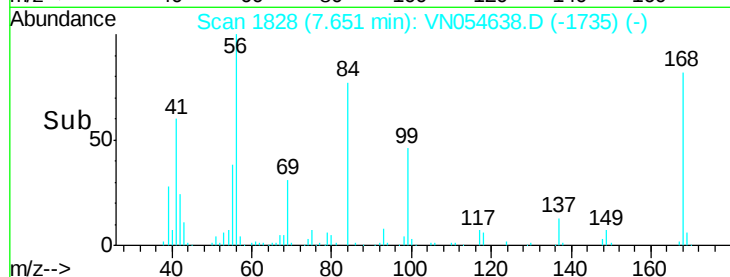
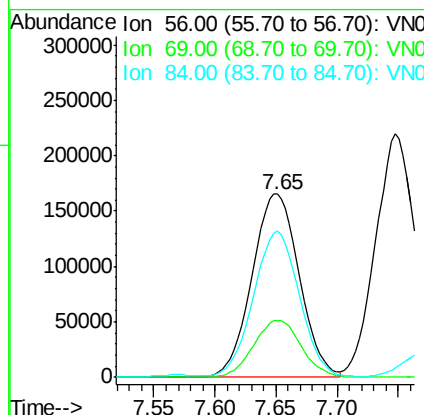
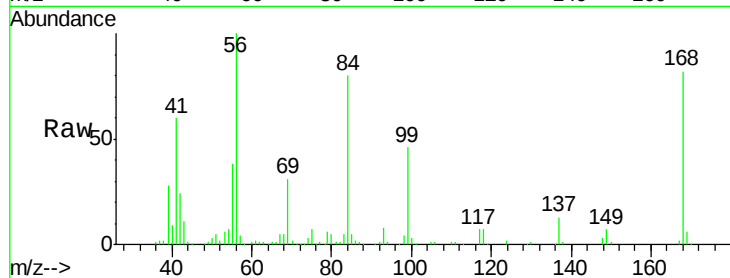
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	444481
Ion	Ratio	Lower	Upper
56	100		
69	31.2	27.8	41.6
84	78.7	74.6	111.8

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#32

1,1,1-Trichloroethane

Concen: 50.166 ug/l

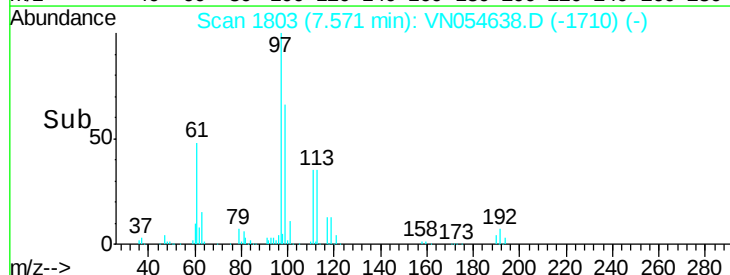
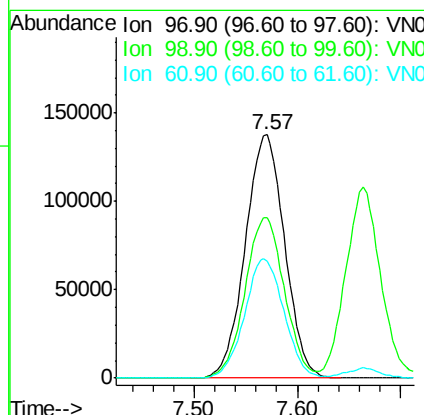
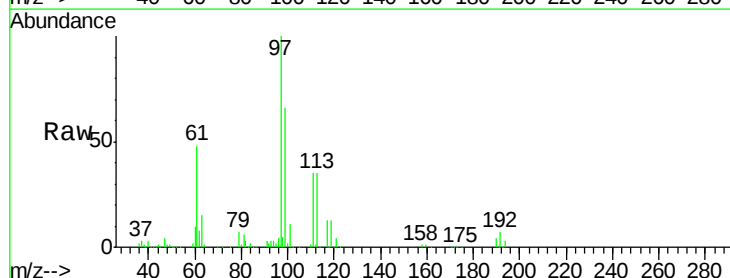
RT: 7.57 min Scan# 1803

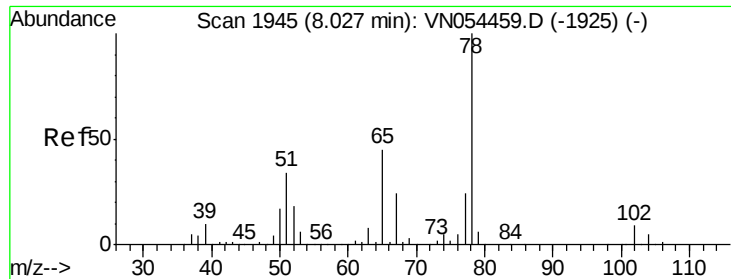
Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Tgt Ion:	97	Resp:	364728
Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.5	77.3
61	49.0	33.6	50.4





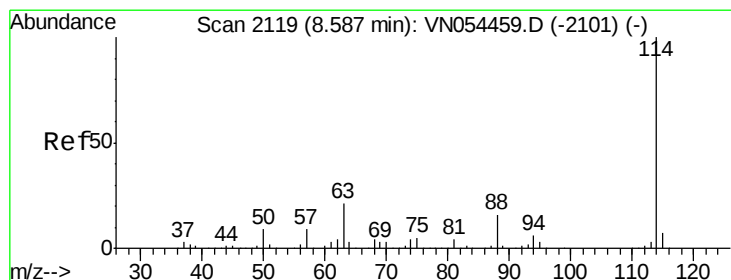
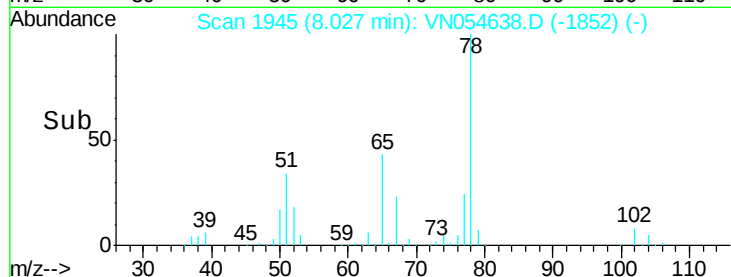
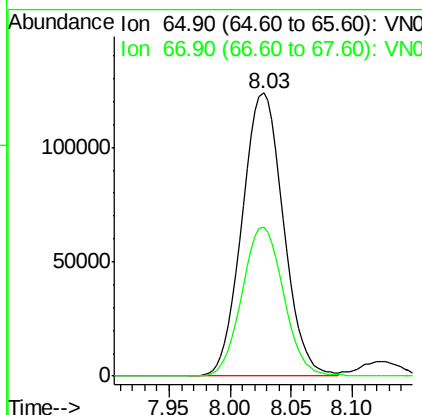
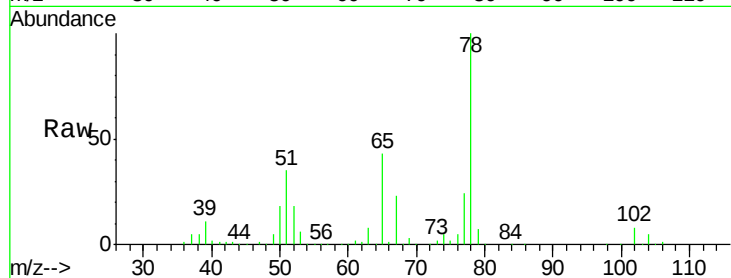
#33
 1,2-Dichloroethane-d4
 Concen: 49.893 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	290518		
67	53.0	0.0	104.6	

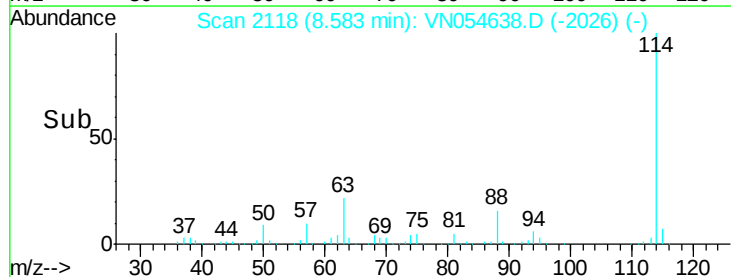
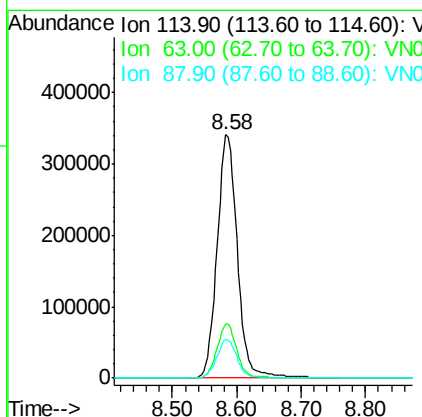
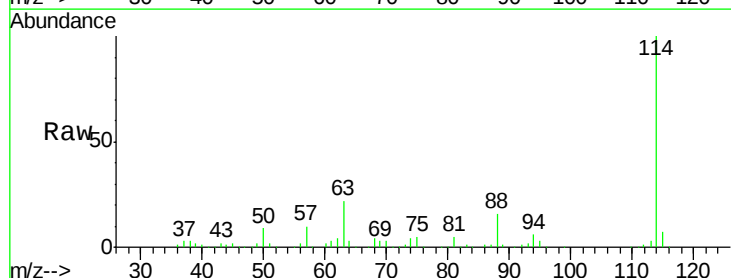
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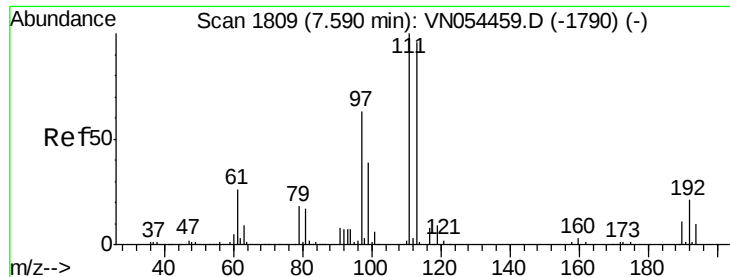
MMDadoda
 3/25/2019 9:54:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	742805		
63	22.2	0.0	35.2	
88	15.8	0.0	30.2	





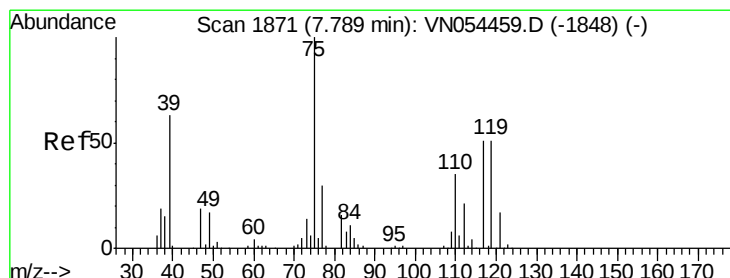
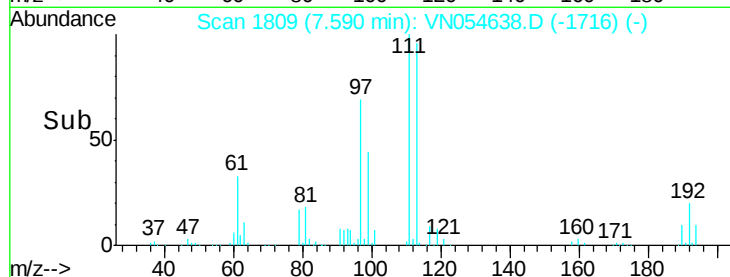
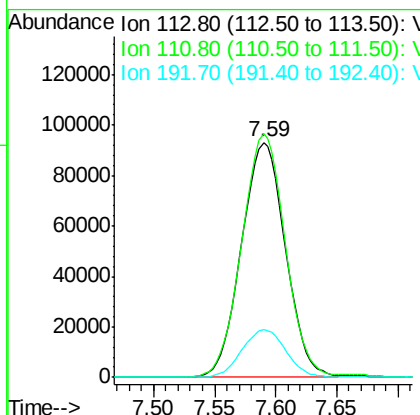
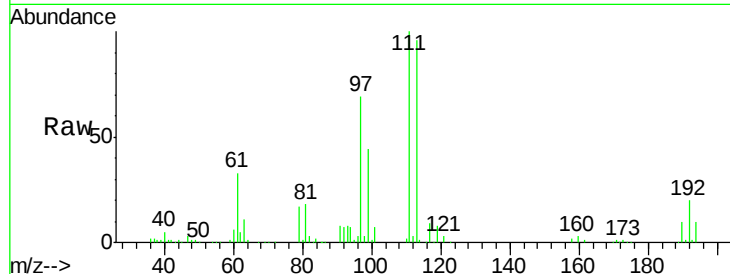
#35
 Dibromofluoromethane
 Concen: 48.507 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	232132		
111	102.9	82.2	123.4	
192	20.4	19.2	28.8	

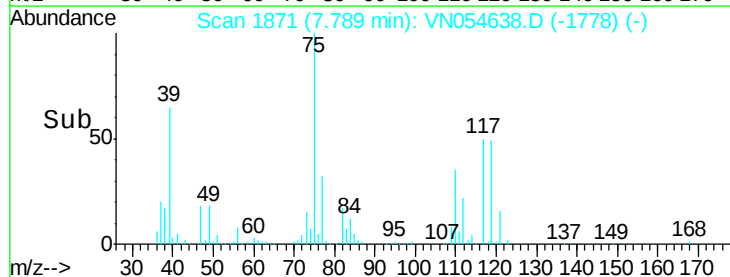
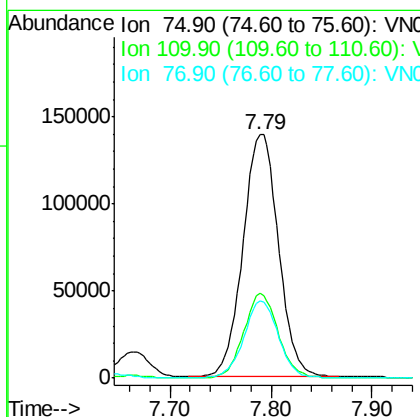
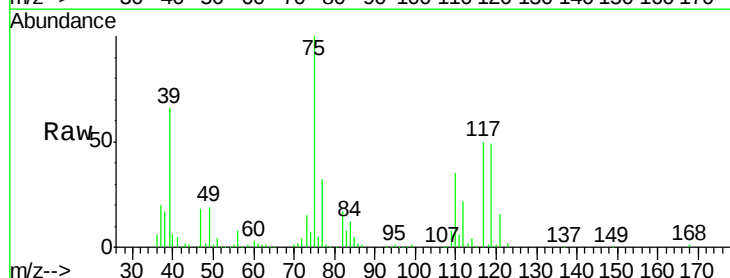
Manual Integrations
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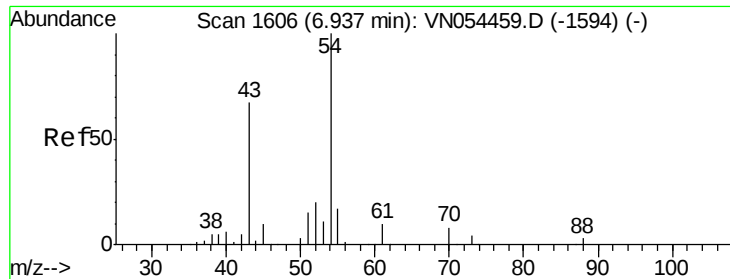
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 3/25/2019 9:54:37 AM



#36
 1,1-Dichloropropene
 Concen: 48.960 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	340039		
110	33.8	19.1	57.5	
77	31.1	25.0	37.4	





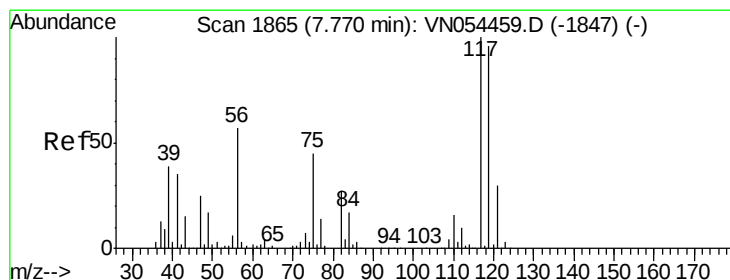
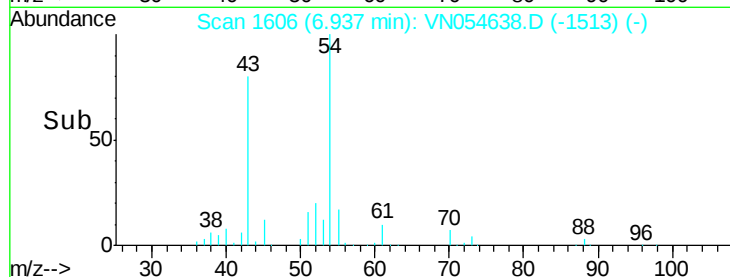
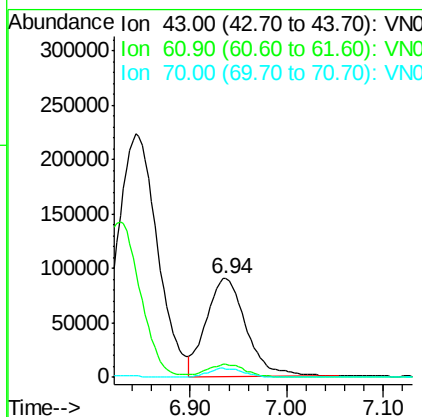
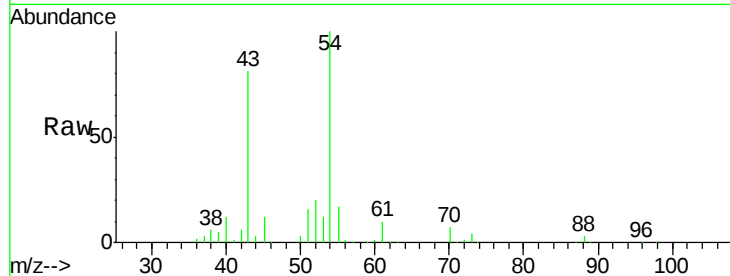
#37
Ethyl Acetate
Concen: 51.946 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	8.7	8.4	12.6

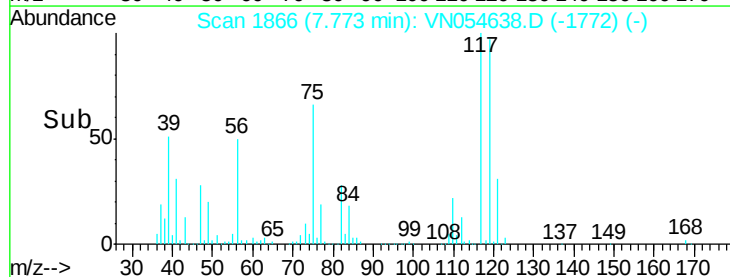
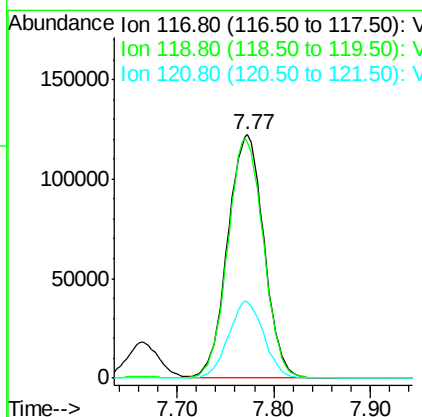
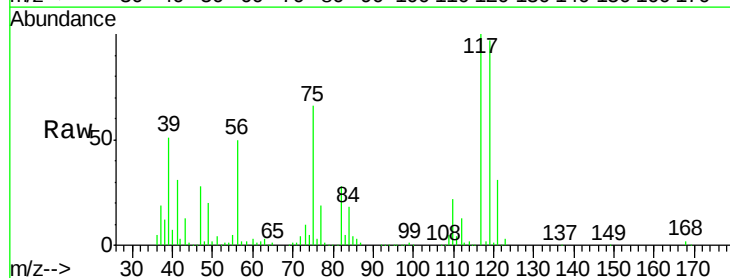
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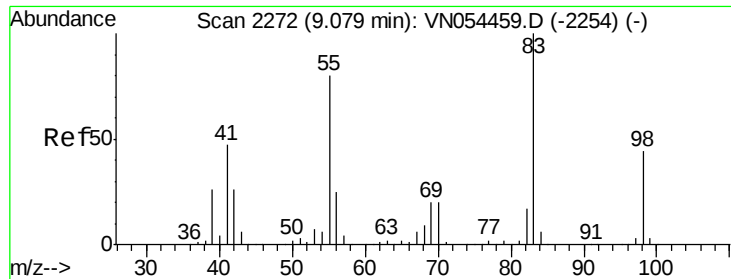
MMDadoda
3/25/2019 9:54:37 AM



#38
Carbon Tetrachloride
Concen: 47.128 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.3	114.5
121	31.0	24.6	36.8





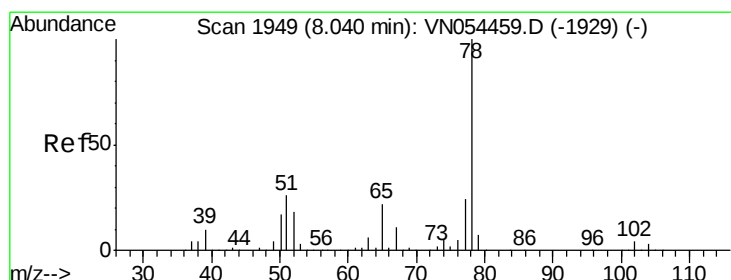
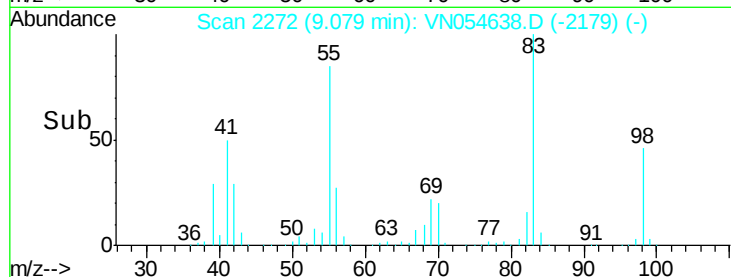
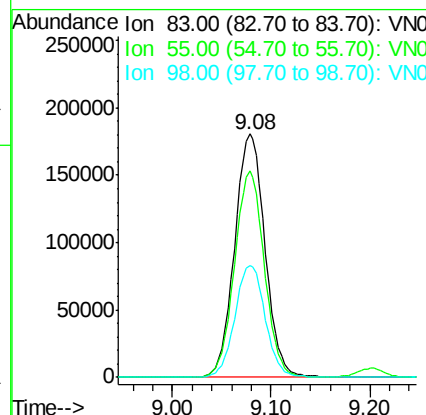
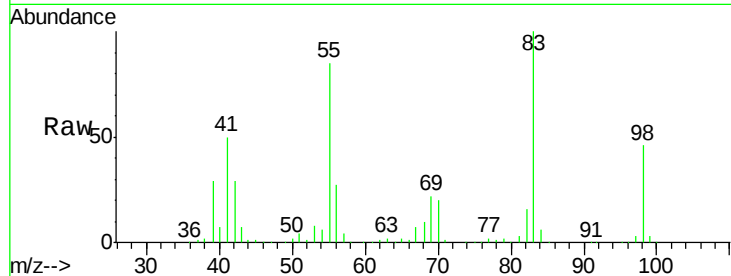
#39
Methylvlcvclohexane
Concen: 48.740 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	56.6	84.8
98	46.2	38.4	57.6

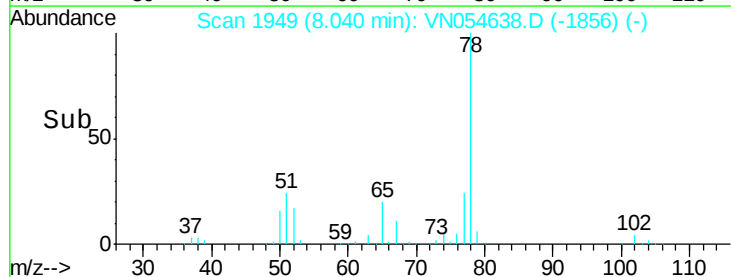
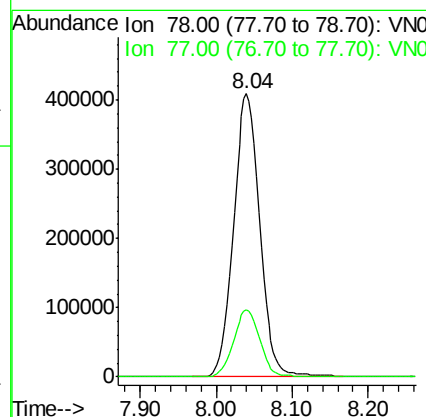
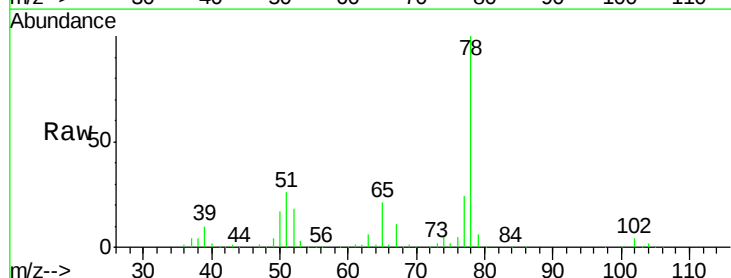
Manual Integrations
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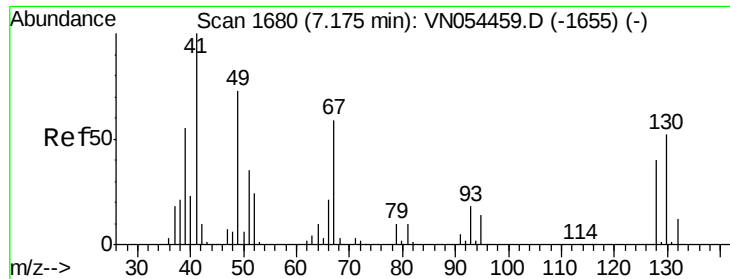
MMDadoda
3/25/2019 9:54:37 AM



#40
Benzene
Concen: 49.156 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





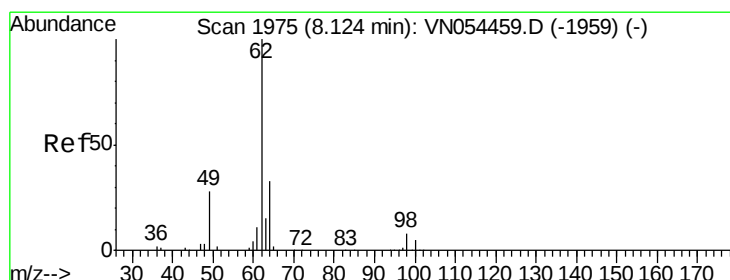
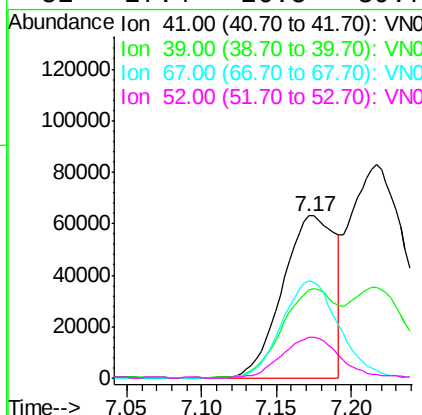
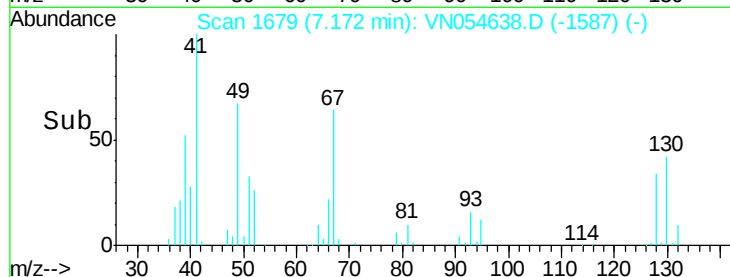
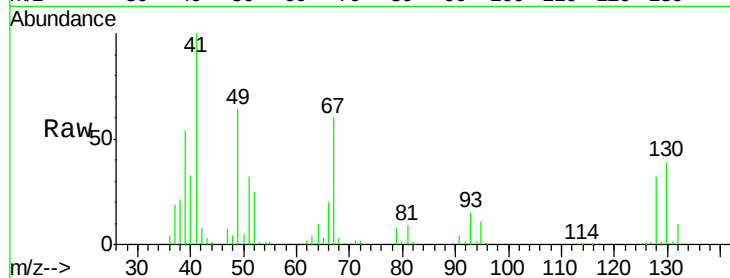
#41
Methacrylonitrile
Concen: 50.928 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.8	46.8	70.2	
67	66.0	67.0	100.4	
52	27.4	26.5	39.7	

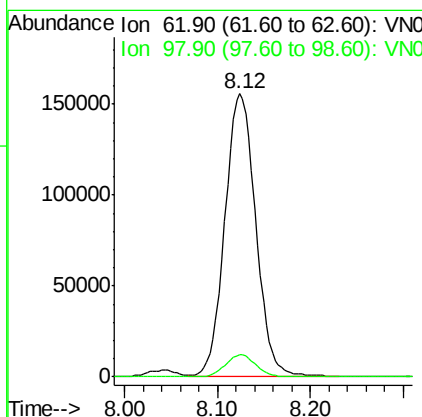
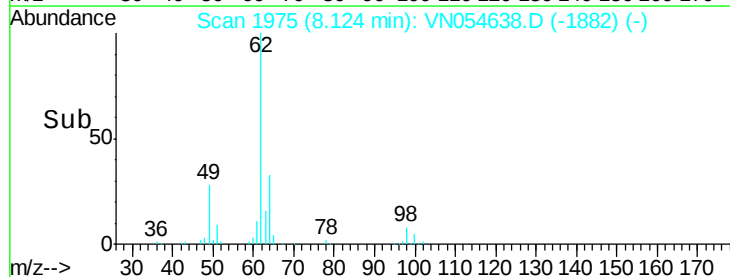
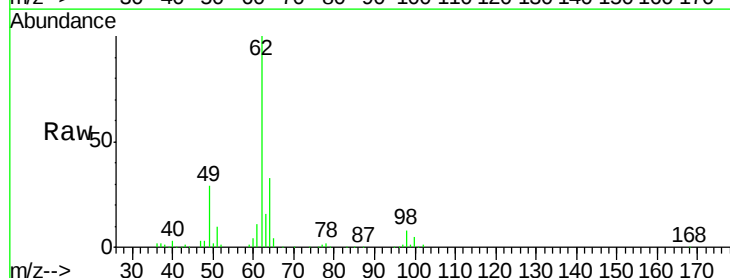
Manual Integrations
APPROVED

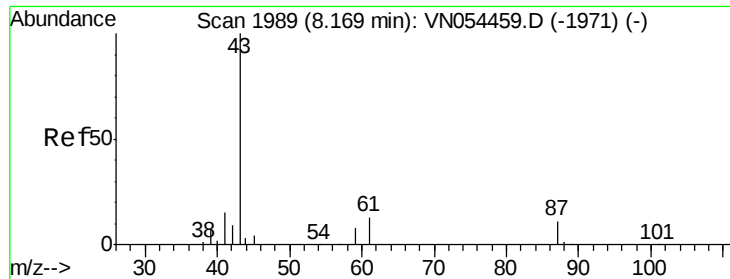
MMDadoda
3/25/2019 9:54:37 AM



#42
1,2-Dichloroethane
Concen: 49.597 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	18.4	





#43

Isopropyl Acetate

Concen: 52.911 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

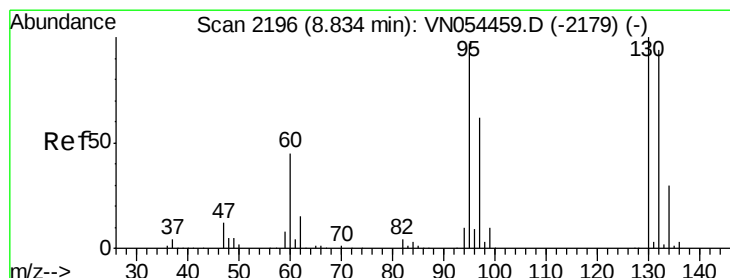
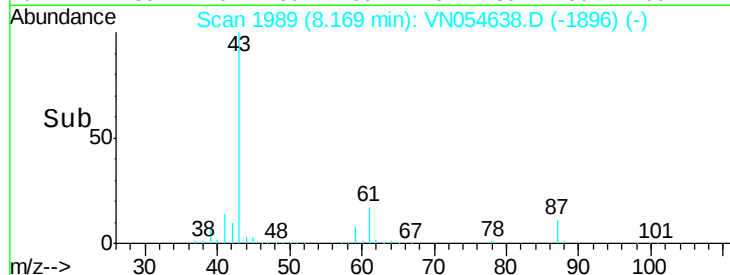
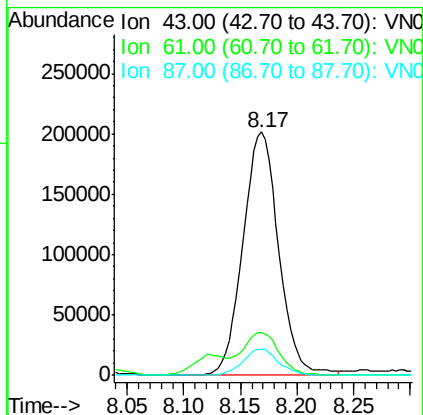
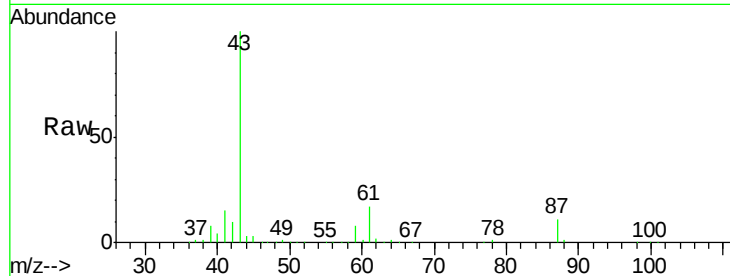
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	441408
Ion	Ratio	Lower	Upper
43	100		
61	17.2	15.8	23.8
87	10.7	12.0	18.0#

Manual Integrations
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MMDadoda
3/25/2019 9:54:37 AM



#44

Trichloroethene

Concen: 47.204 ug/l

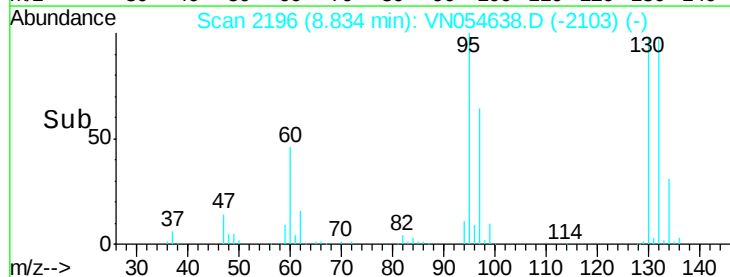
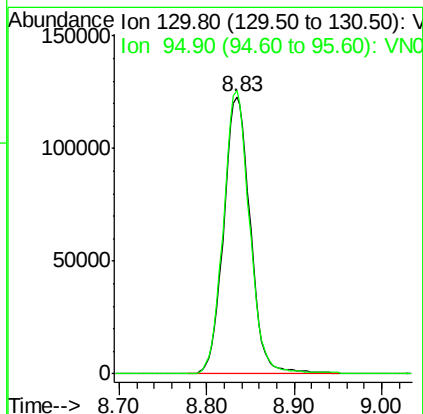
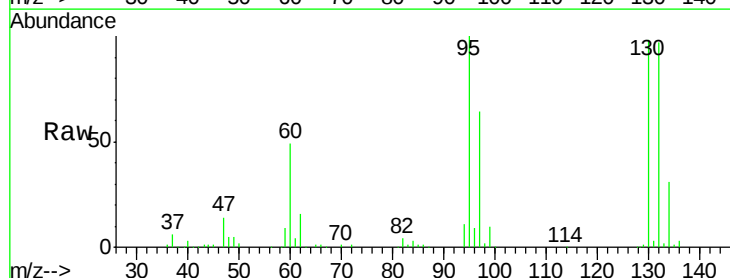
RT: 8.83 min Scan# 2196

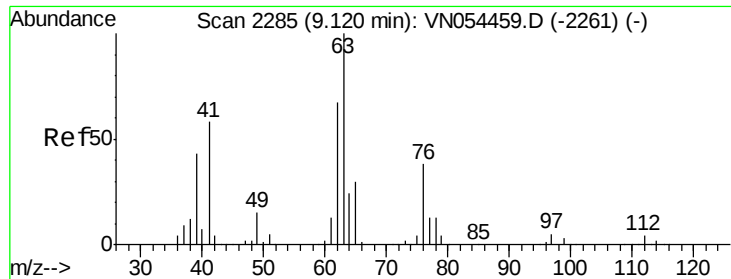
Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Tgt Ion:	130	Resp:	260640
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	185.2





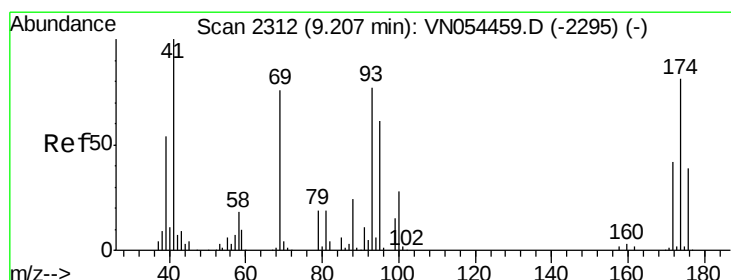
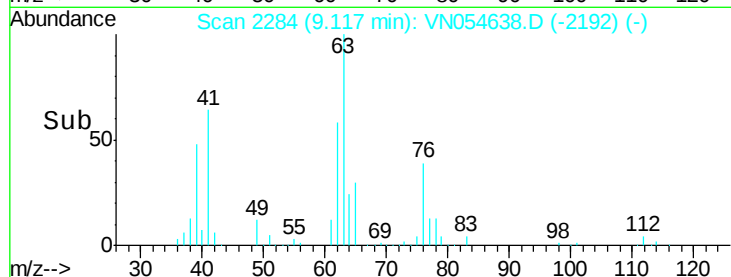
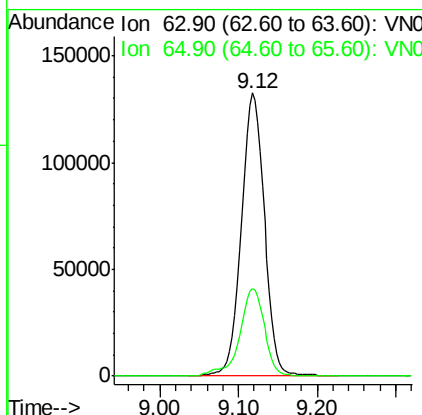
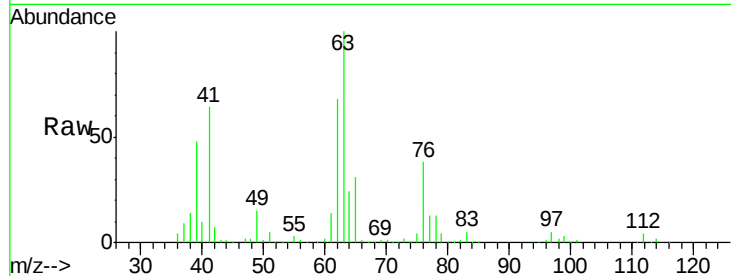
#45
 1,2-Dichloropropane
 Concen: 51.382 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 274019
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6

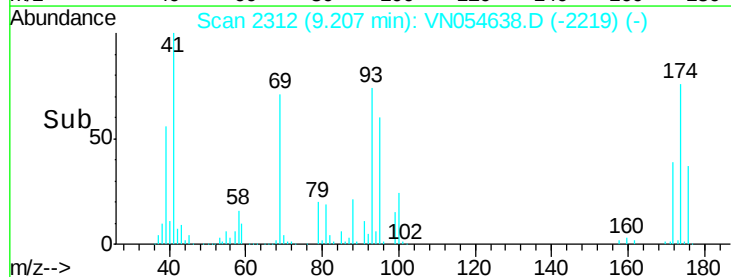
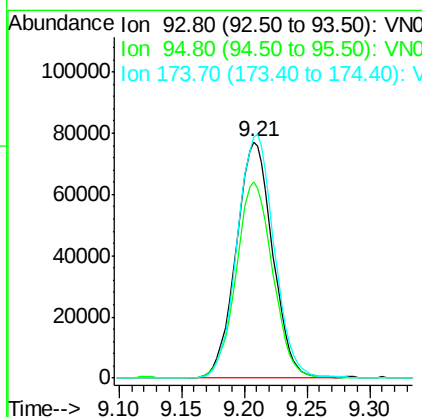
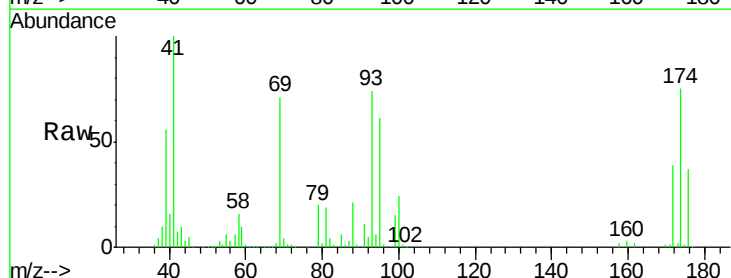
Manual Integrations
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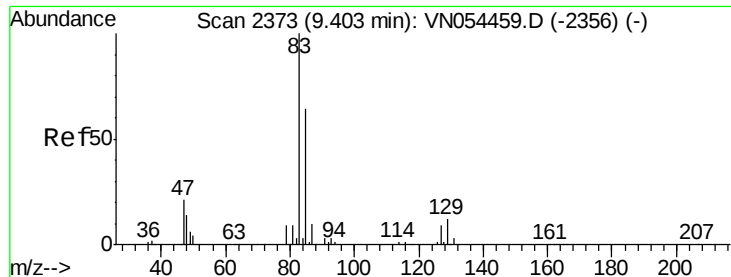
MMDadoda
 3/25/2019 9:54:37 AM



#46
 Dibromomethane
 Concen: 49.115 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion: 93 Resp: 156258
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 104.5 98.5 147.7





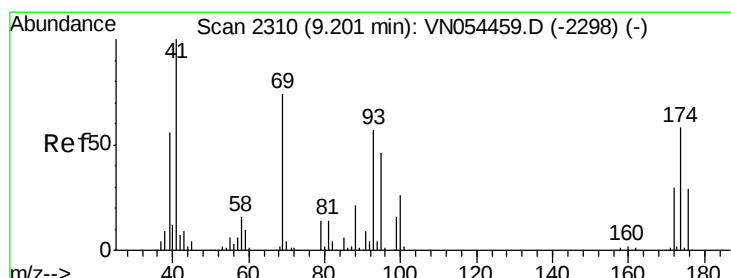
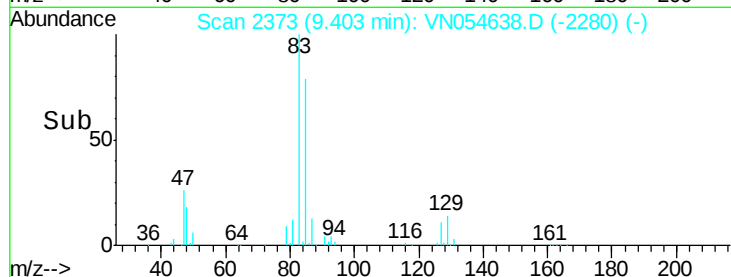
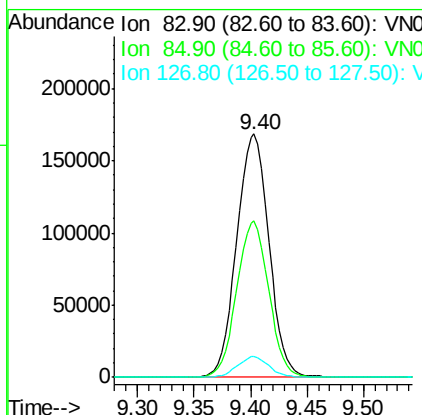
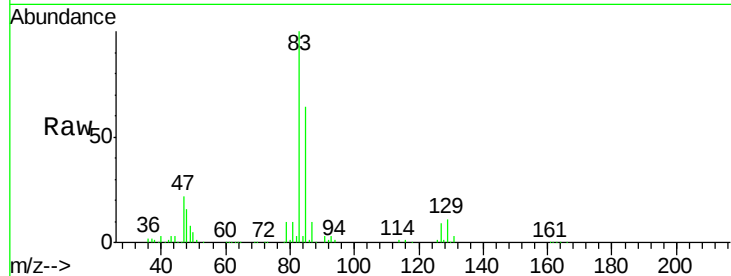
#47
Bromodichloromethane
Concen: 50.905 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	336115		
85	64.1	52.8	79.2	
127	8.6	7.4	11.2	

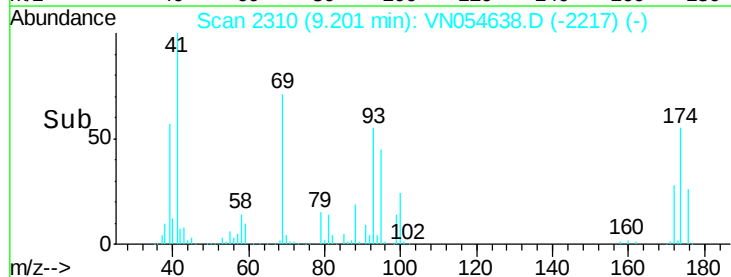
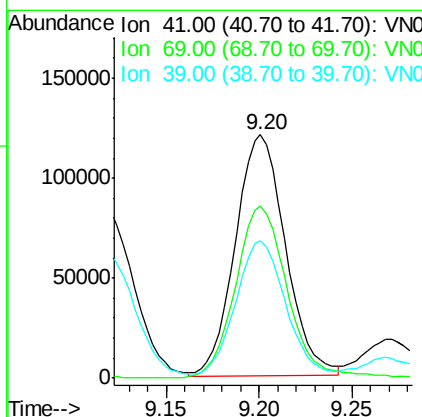
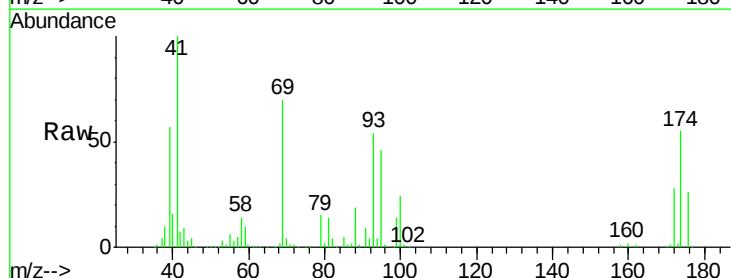
Manual Integrations
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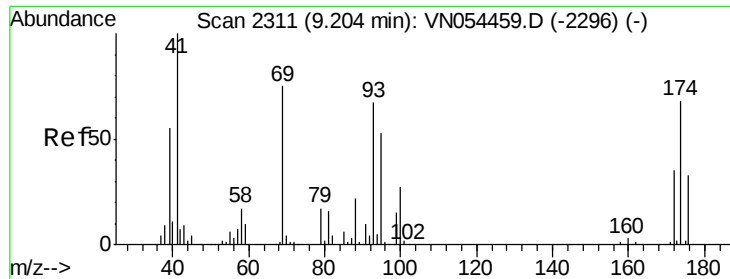
MMDadoda
3/25/2019 9:54:37 AM



#48
Methyl methacrylate
Concen: 50.333 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	227905		
69	73.0	72.6	108.8	
39	56.2	47.5	71.3	





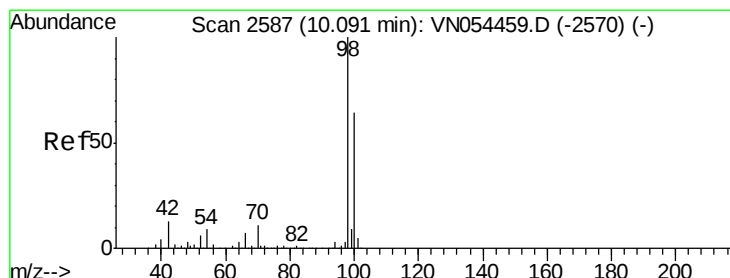
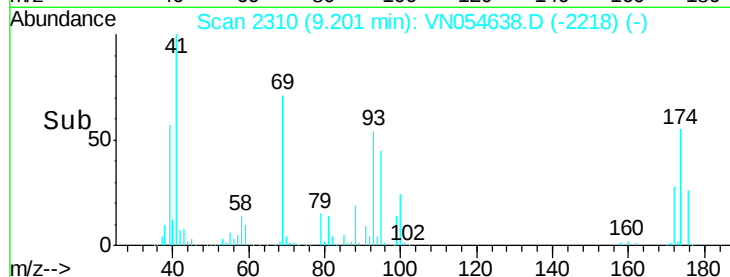
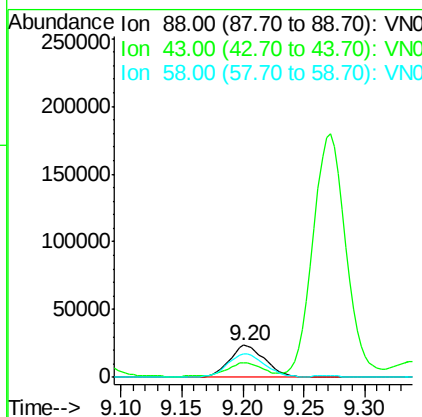
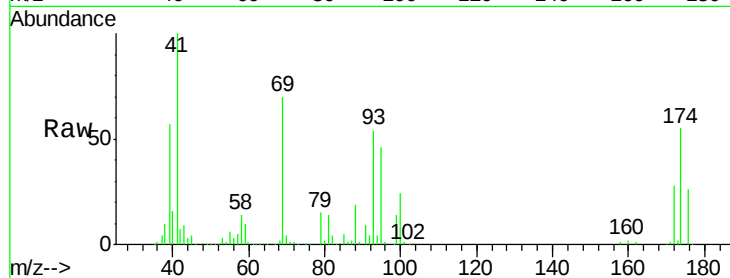
#49
1,4-Dioxane
Concen: 952.699 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.8	24.1	36.1#
58	77.5	50.8	76.2#

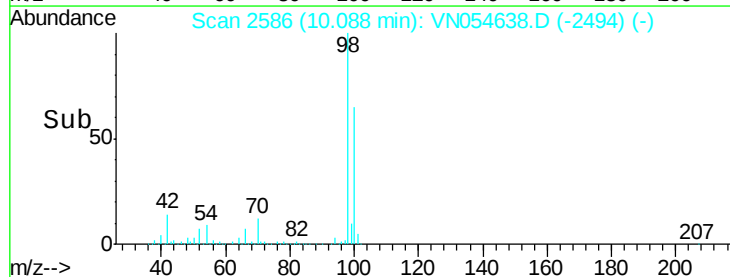
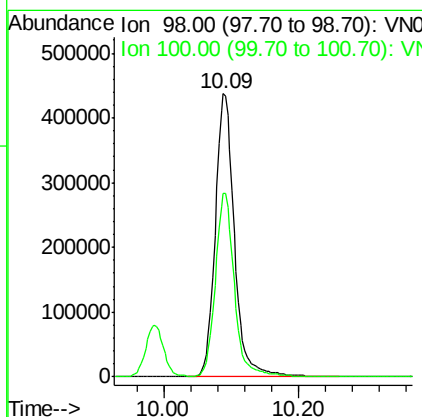
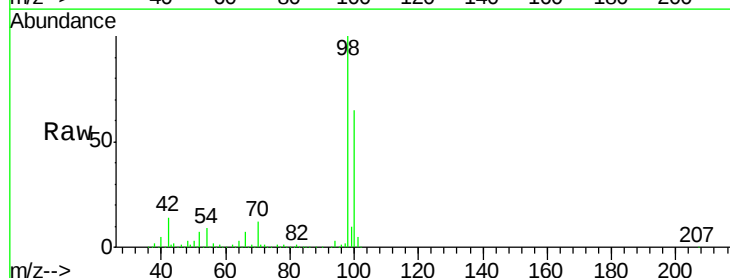
Manual Integrations
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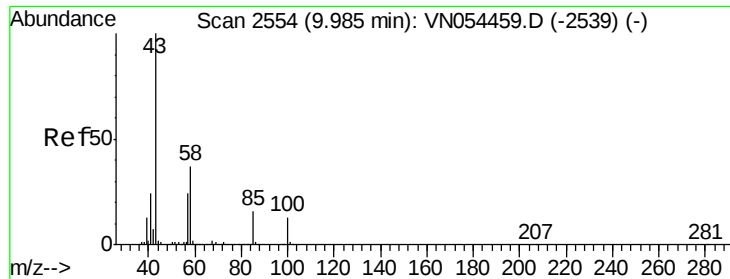
MMDadoda
3/25/2019 9:54:37 AM



#50
Toluene-d8
Concen: 48.370 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 267.437 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1236478

Ion Ratio Lower Upper

43 100

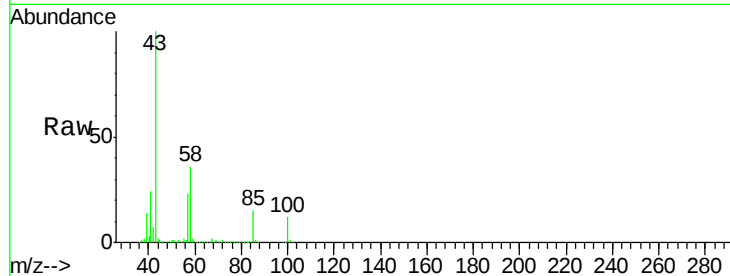
58 35.7 31.8 47.6

Manual Integrations

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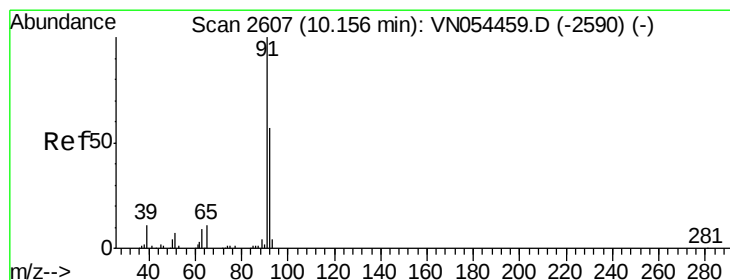
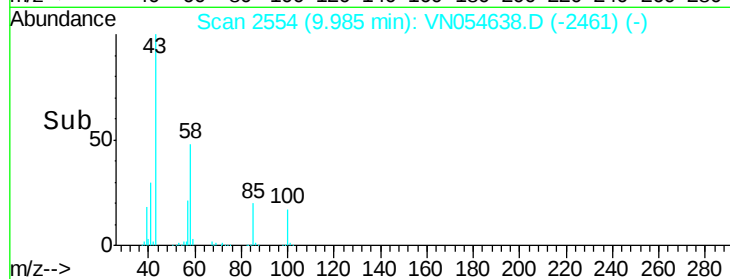
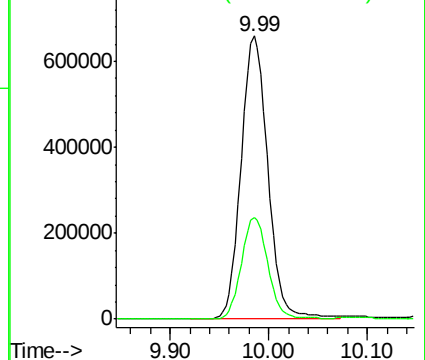
MMDadoda

3/25/2019 9:54:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.357 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054638.D

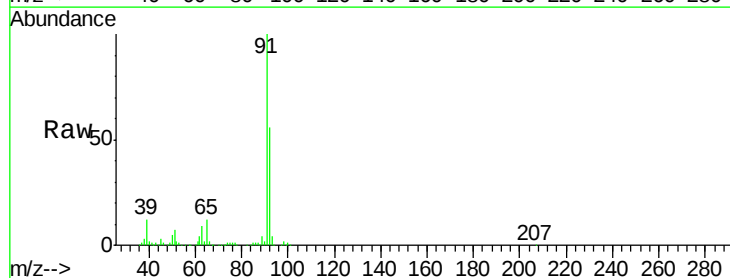
Acq: 24 Mar 2019 10:32

Tgt Ion: 92 Resp: 590682

Ion Ratio Lower Upper

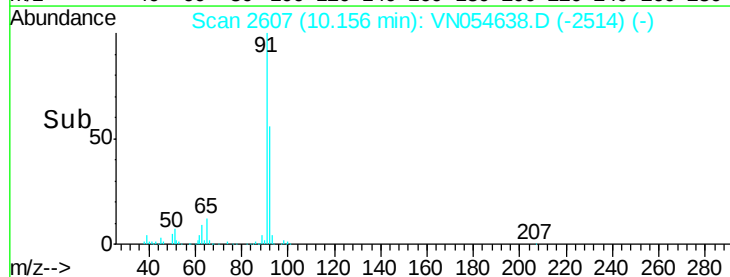
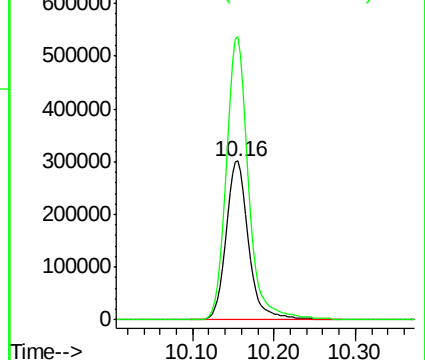
92 100

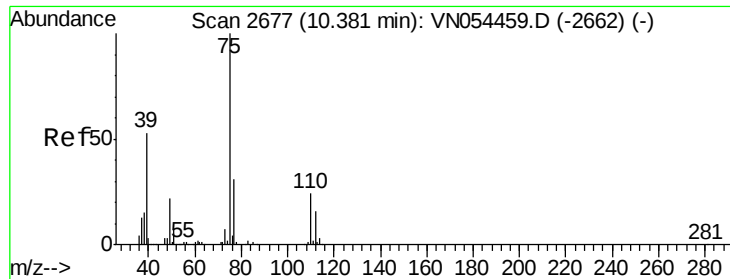
91 176.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





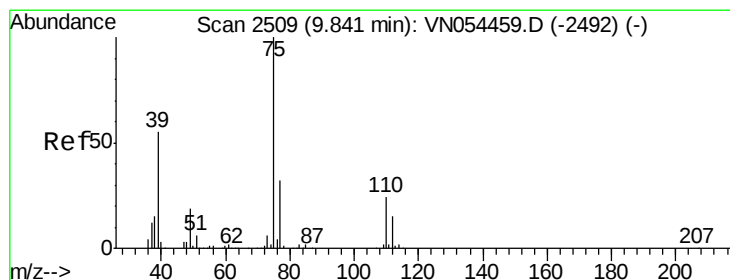
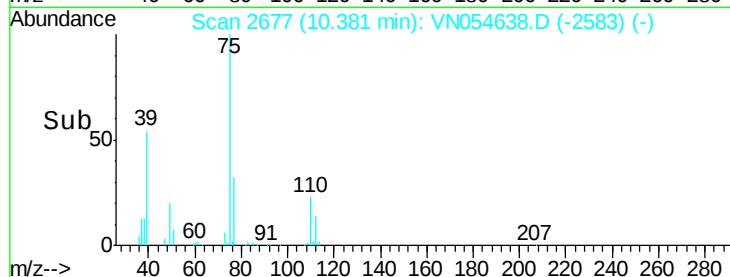
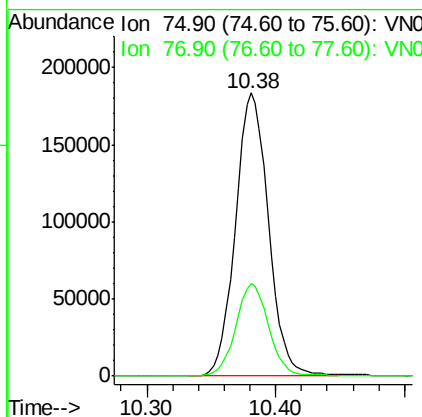
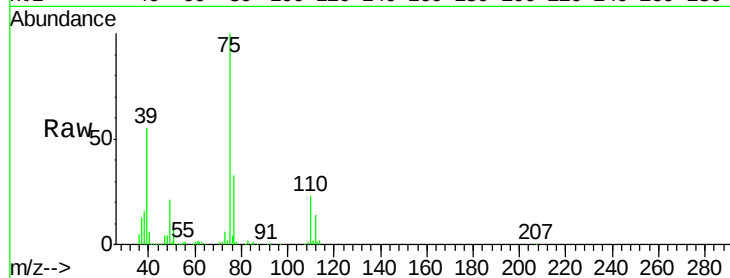
#53
t-1,3-Dichloropropene
Concen: 46.960 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.8

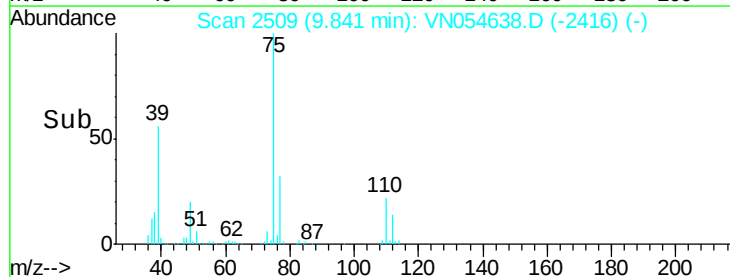
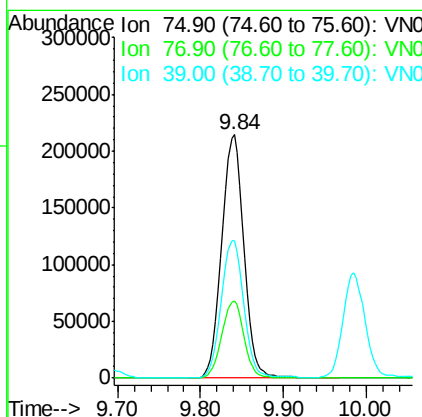
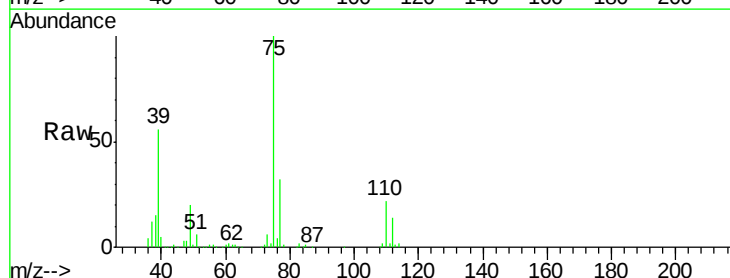
Manual Integrations
APPROVED

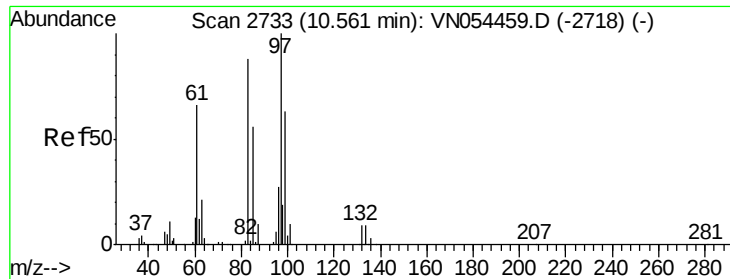
MMDadoda
3/25/2019 9:54:37 AM



#54
cis-1,3-Dichloropropene
Concen: 52.597 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	56.0	37.2	55.8#





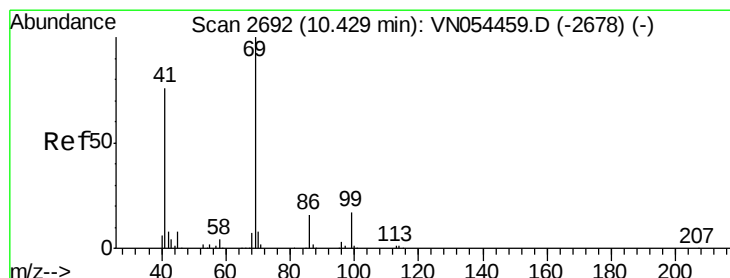
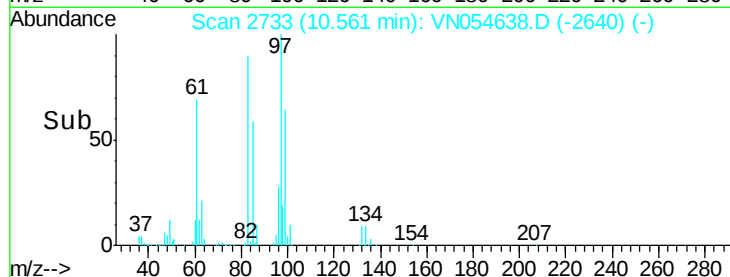
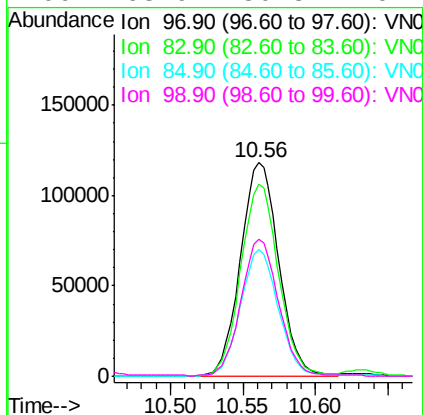
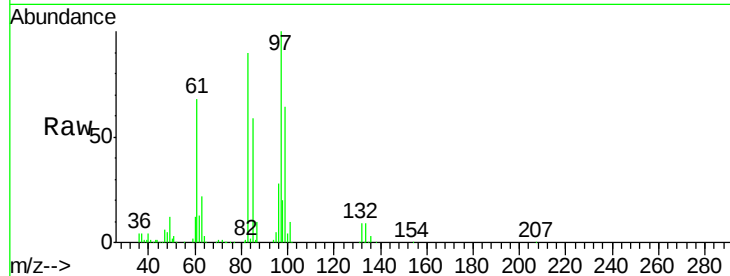
#55
 1,1,2-Trichloroethane
 Concen: 49.537 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	217512
Ion	Ratio	Lower	Upper
97	100		
83	90.0	66.6	100.0
85	59.2	44.4	66.6
99	63.9	50.8	76.2

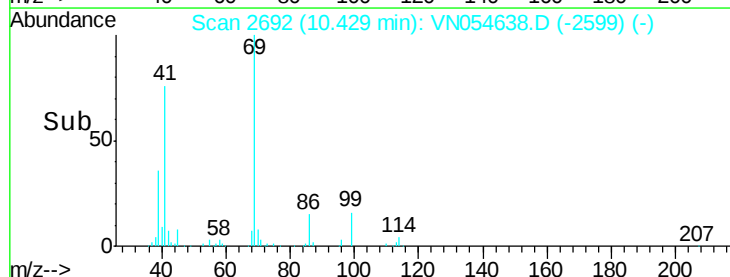
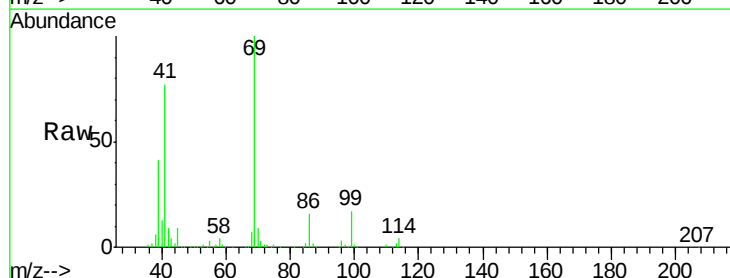
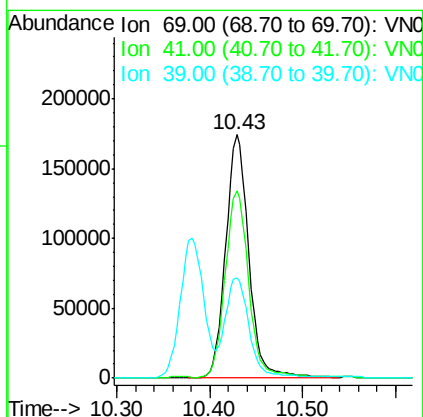
Manual Integrations
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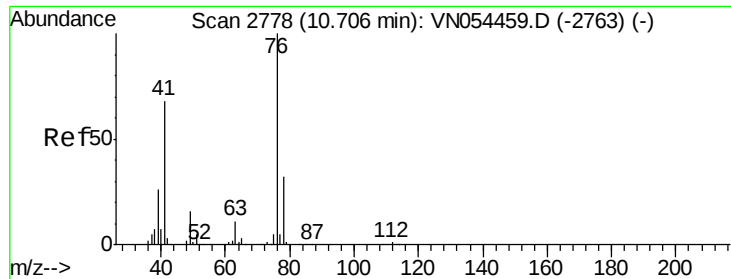
MMDadoda
 3/25/2019 9:54:37 AM



#56
 Ethyl methacrylate
 Concen: 51.344 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion:	69	Resp:	302591
Ion	Ratio	Lower	Upper
69	100		
41	77.0	49.4	74.2#
39	41.4	28.3	42.5





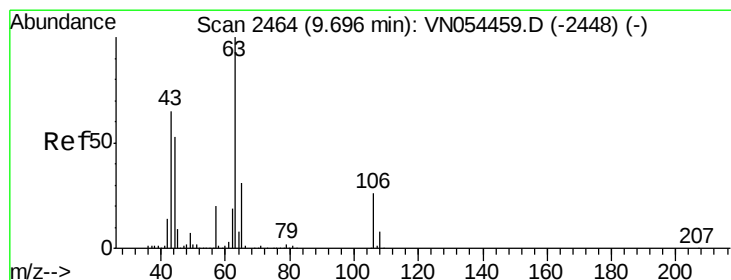
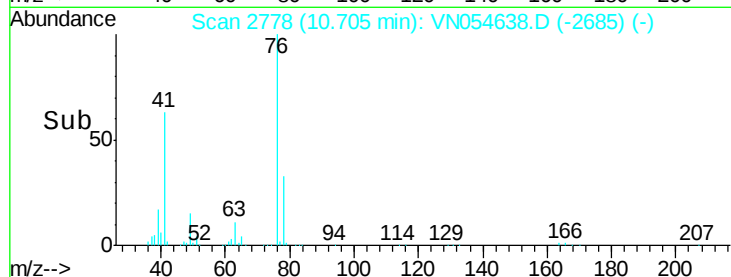
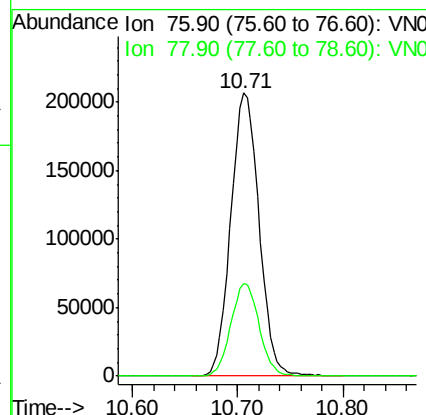
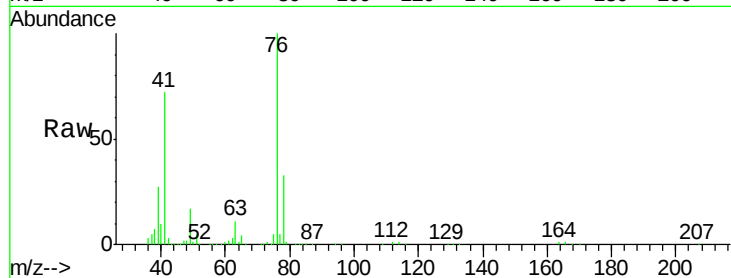
#57
 1,3-Dichloropropane
 Concen: 50.315 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.7	38.5

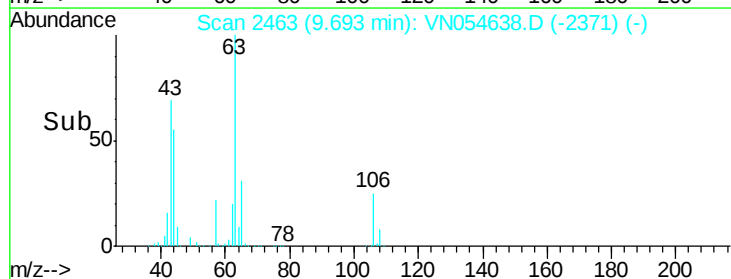
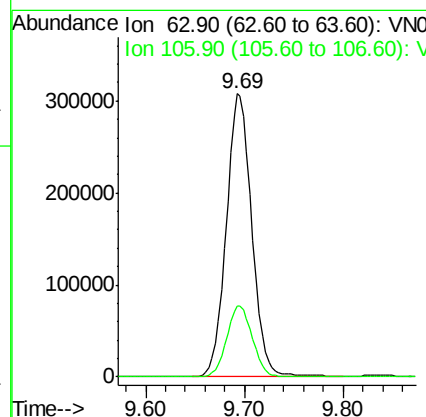
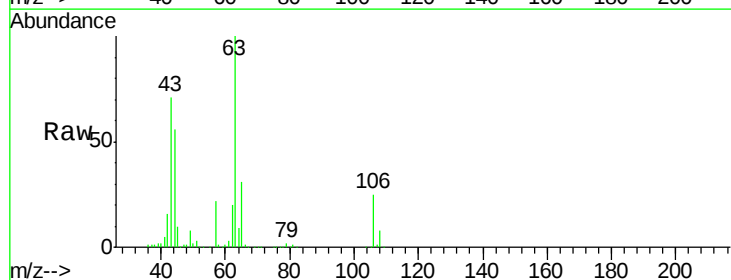
Manual Integrations
 APPROVED

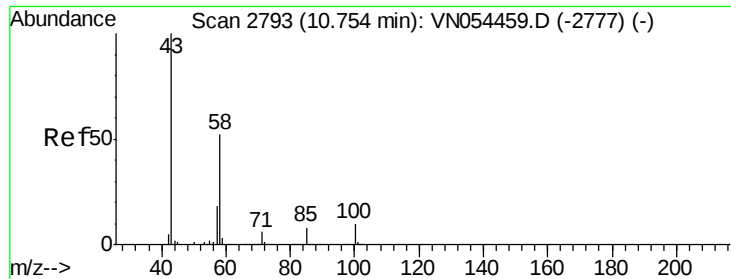
MMDadoda
 3/25/2019 9:54:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.869 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	24.4	36.6





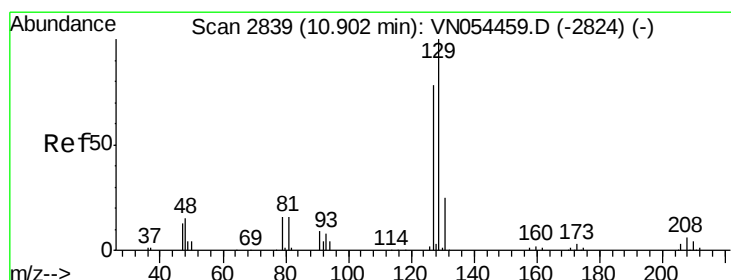
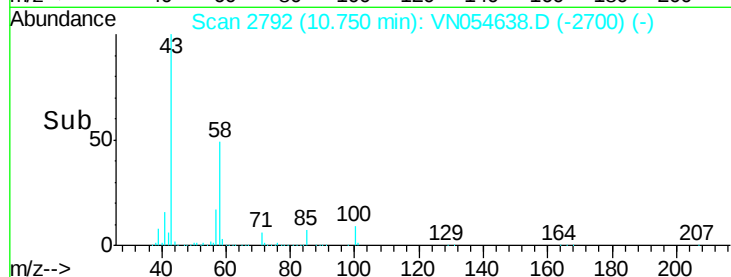
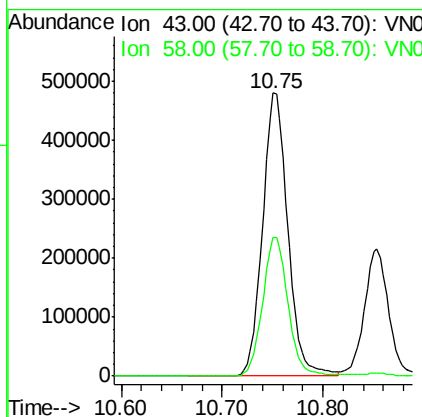
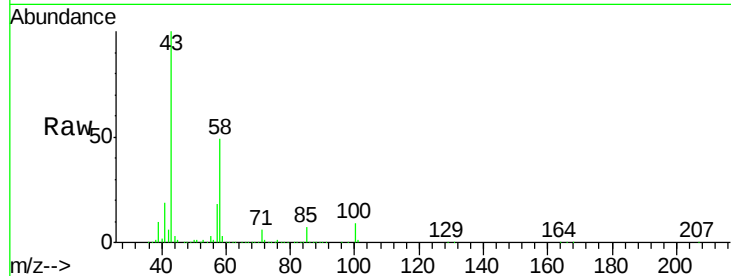
#59
2-Hexanone
Concen: 276.588 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 835290
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9

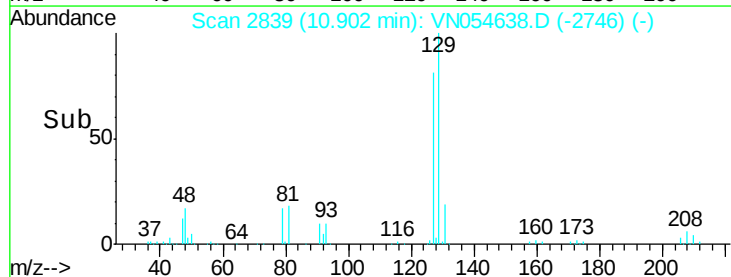
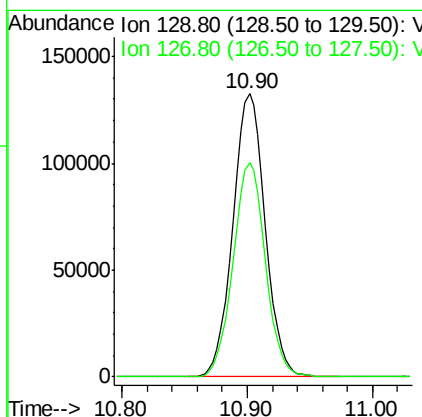
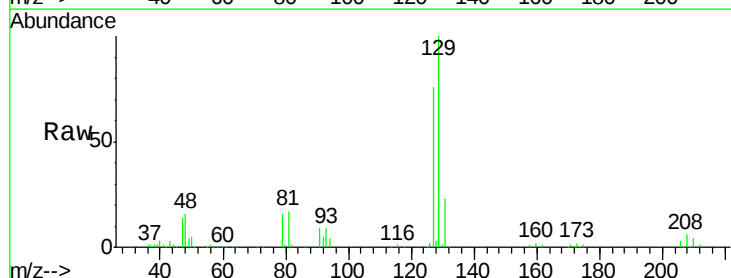
Manual Integrations
APPROVED

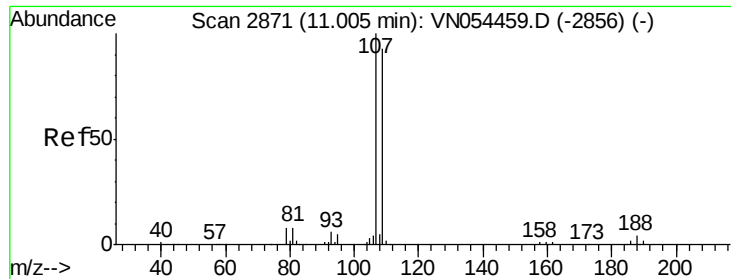
MMDadoda
3/25/2019 9:54:37 AM



#60
Dibromochloromethane
Concen: 50.739 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 129 Resp: 237067
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8





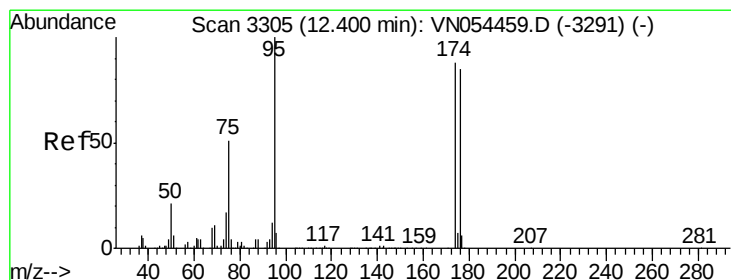
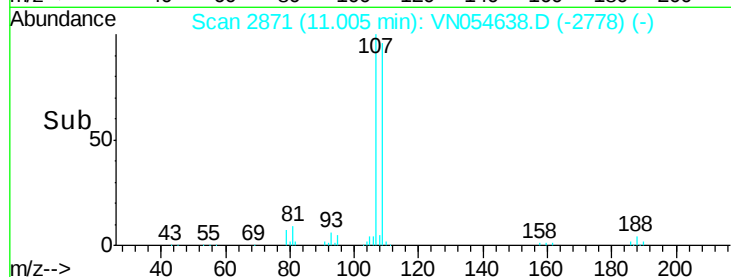
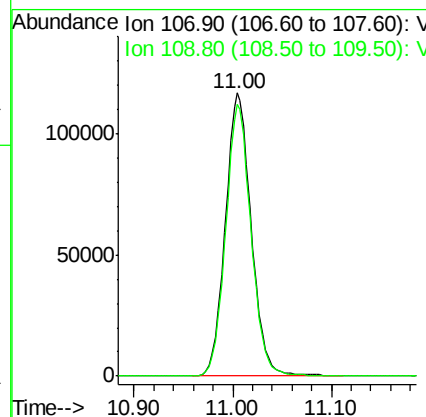
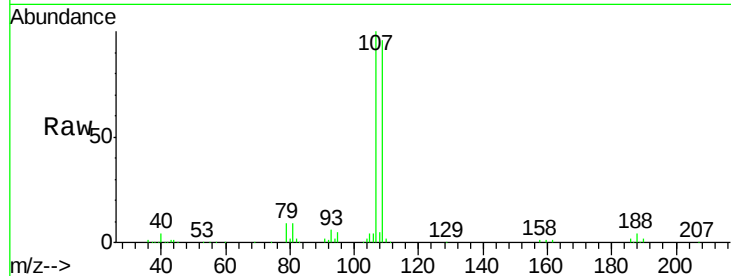
#61
 1,2-Dibromoethane
 Concen: 49.408 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	214475		
109	94.7	75.9	113.9	

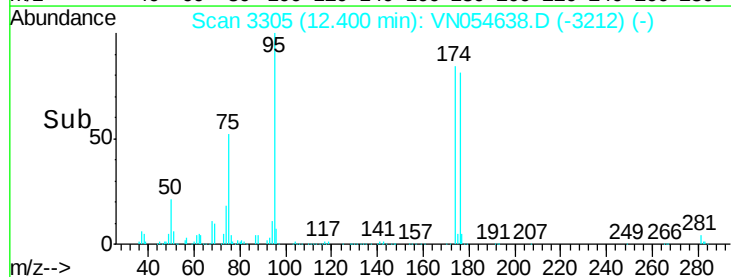
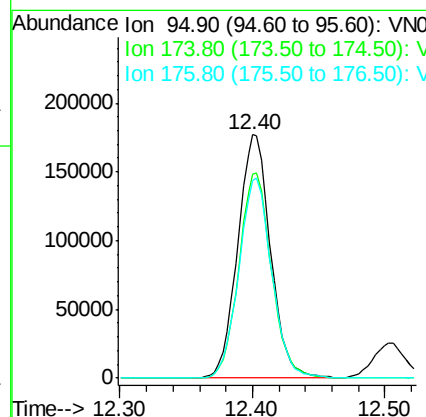
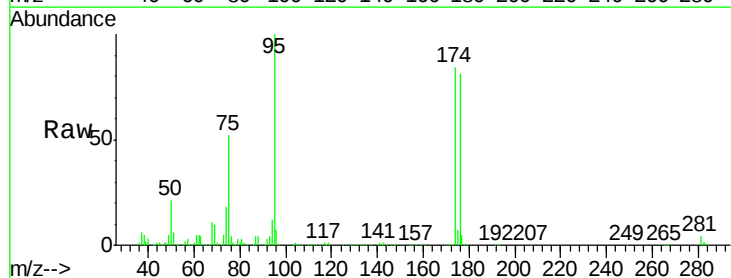
Manual Integrations
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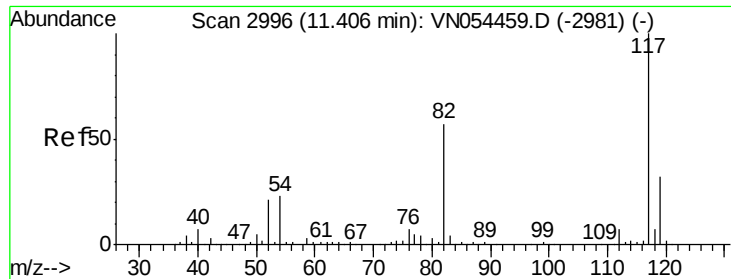
MMDadoda
 3/25/2019 9:54:37 AM



#62
 4-Bromofluorobenzene
 Concen: 49.619 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	303764		
174	84.0	0.0	191.0	
176	82.3	0.0	187.4	





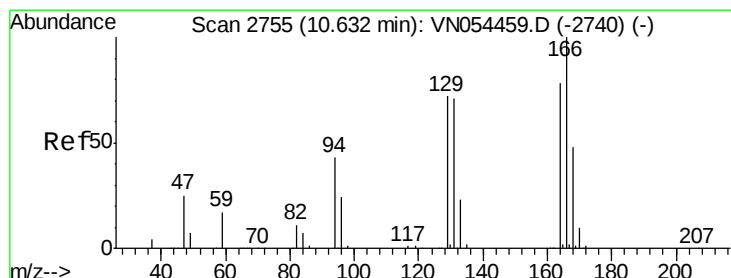
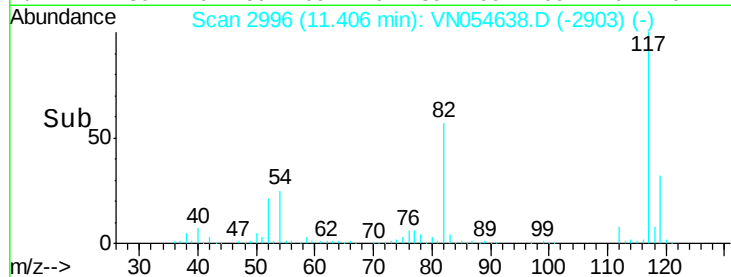
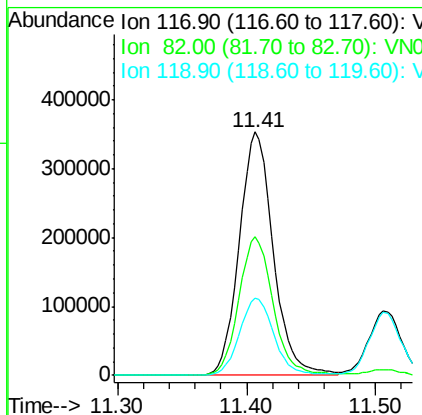
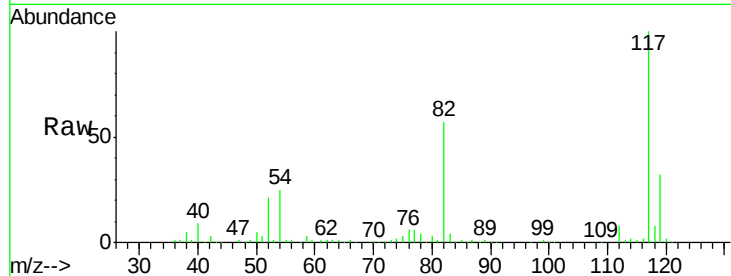
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	40.0	60.0
119	31.9	25.8	38.6

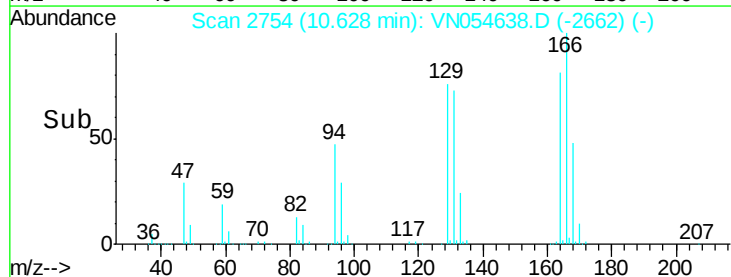
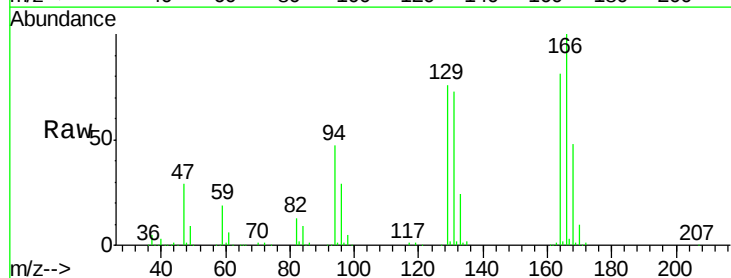
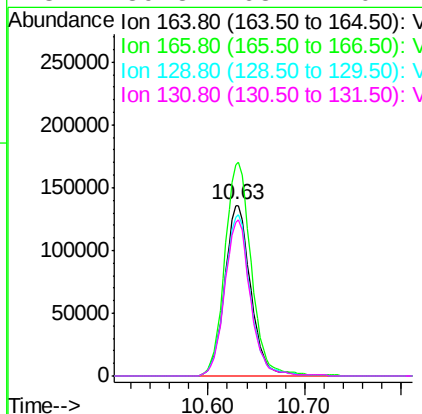
Manual Integrations
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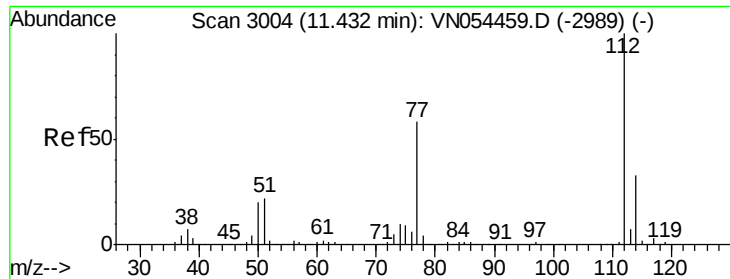
MMDadoda
3/25/2019 9:54:37 AM



#64
Tetrachloroethene
Concen: 47.161 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	103.9	155.9
129	93.1	71.1	106.7
131	89.8	68.2	102.4





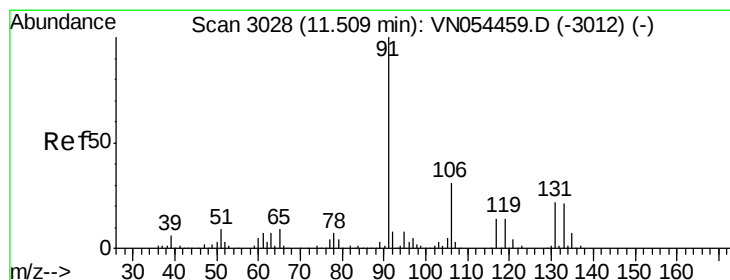
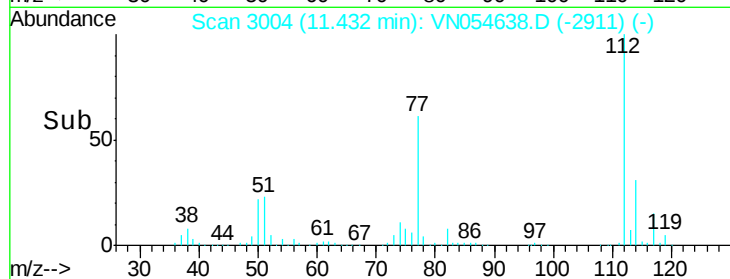
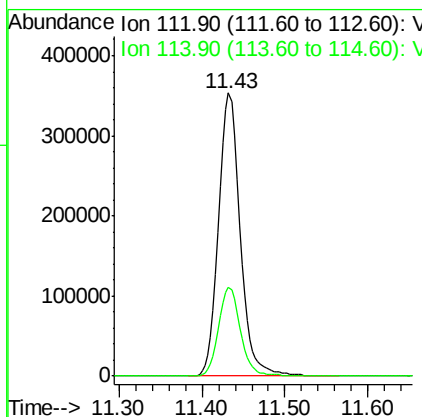
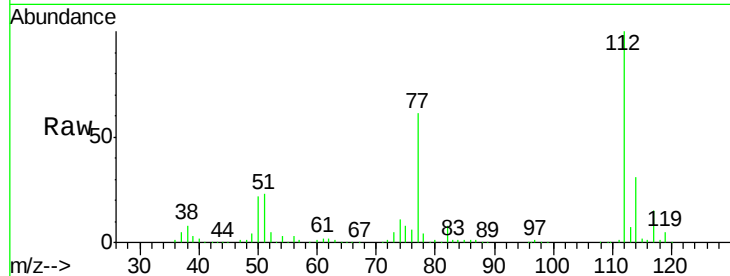
#65
Chlorobenzene
Concen: 48.388 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 637963
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9

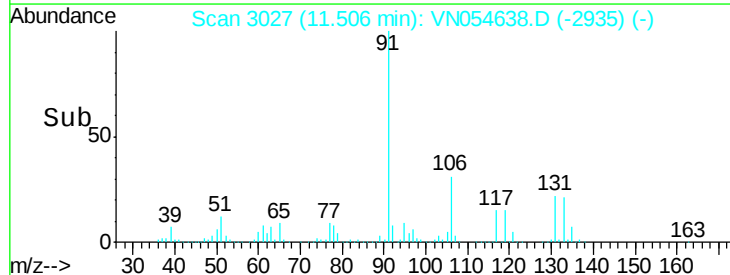
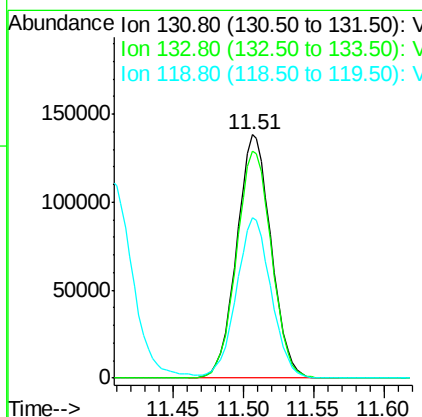
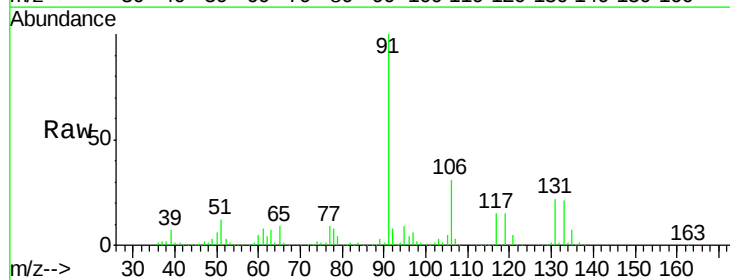
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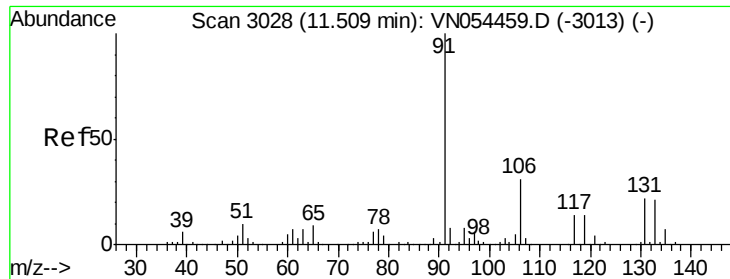
MMDadoda
3/25/2019 9:54:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.910 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion:131 Resp: 236186
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 66.1 32.4 97.0





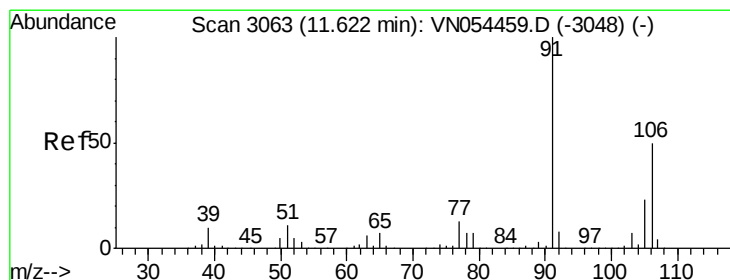
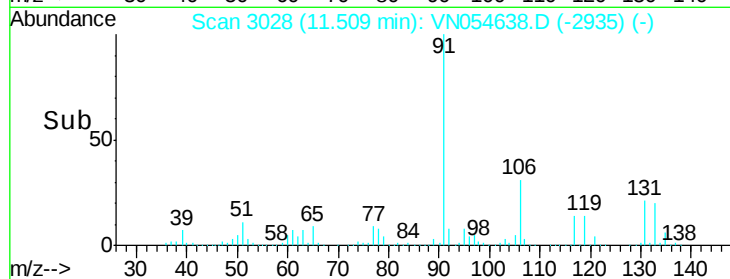
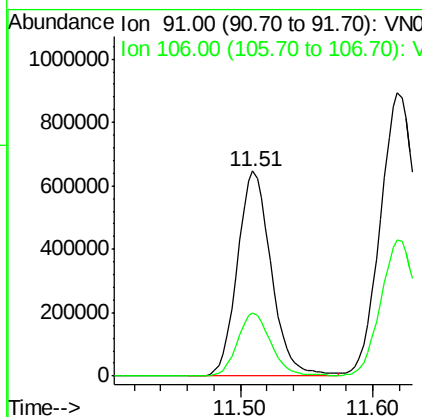
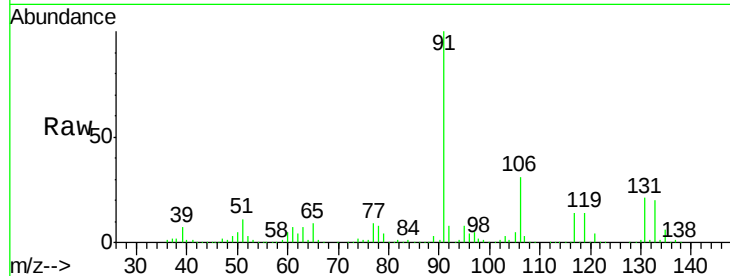
#67
Ethyl Benzene
Concen: 49.297 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1148096
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

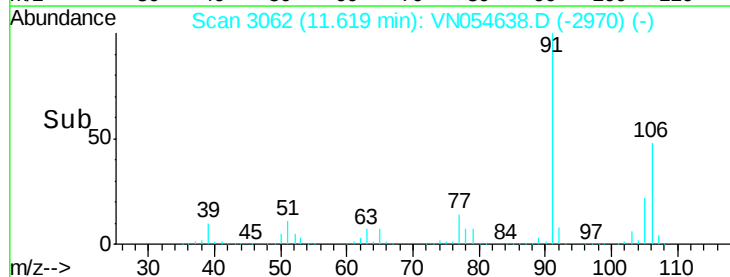
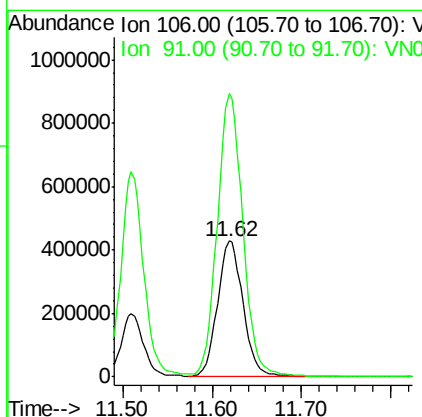
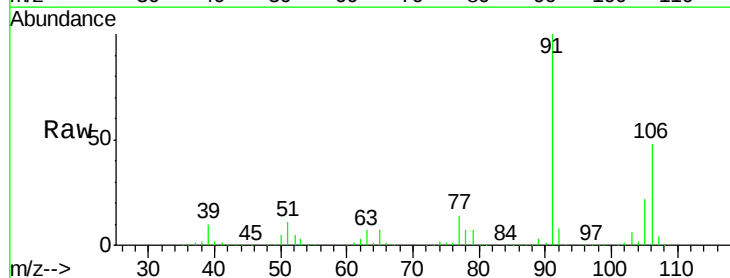
Manual Integrations
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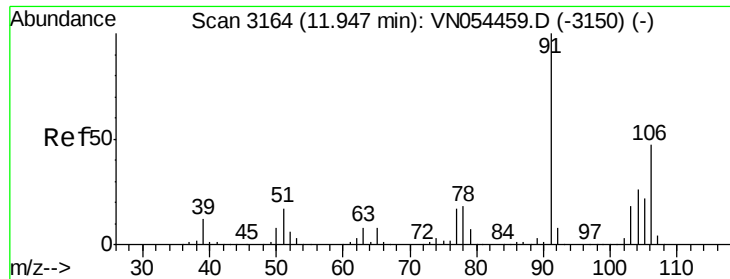
MMDadoda
3/25/2019 9:54:37 AM



#68
m/p-Xylenes
Concen: 96.884 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 106 Resp: 854644
Ion Ratio Lower Upper
106 100
91 208.0 159.4 239.2





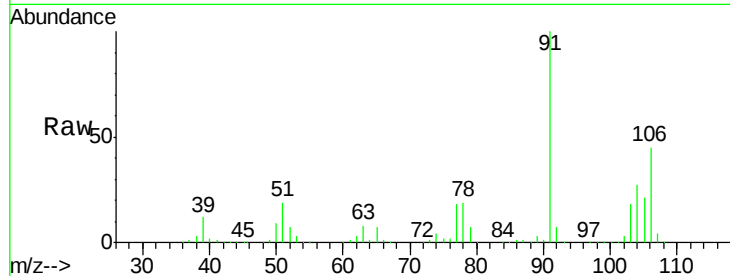
#69
o-Xylene
Concen: 48.040 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

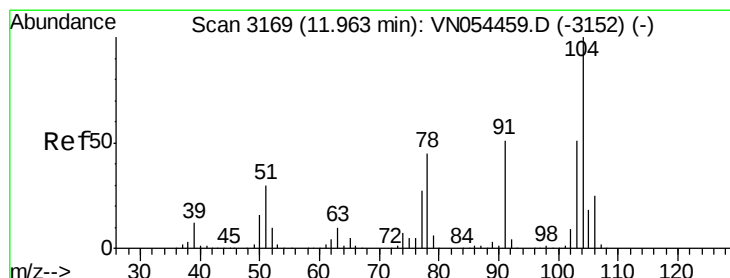
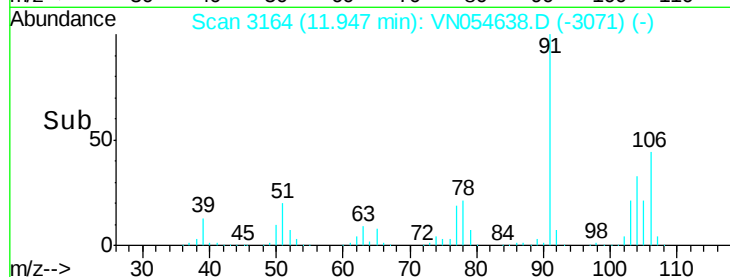
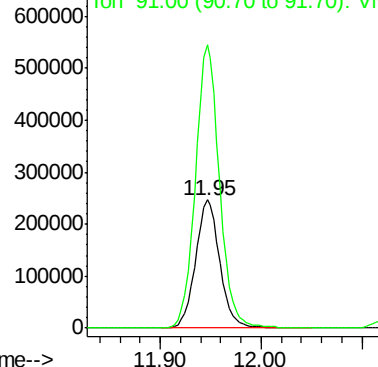
Tot Ion:106 Resp: 413863
Ion Ratio Lower Upper
106 100
91 218.8 105.7 317.1

Manual Integrations
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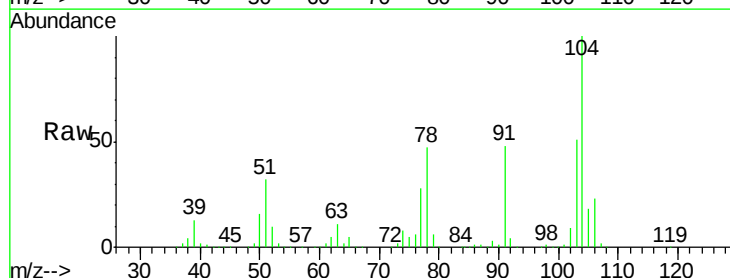


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

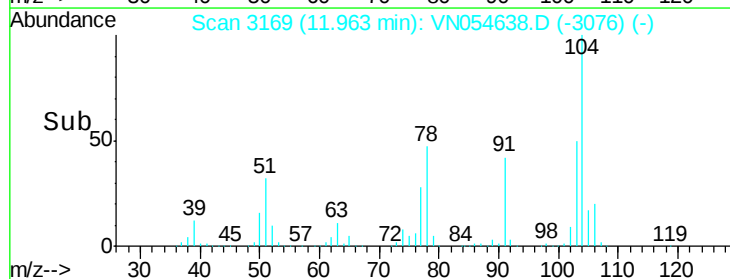
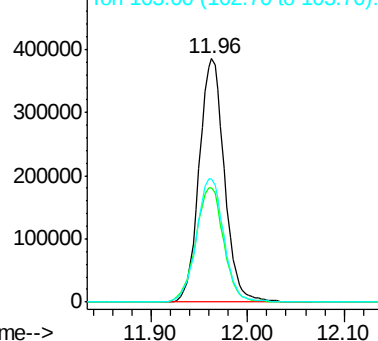


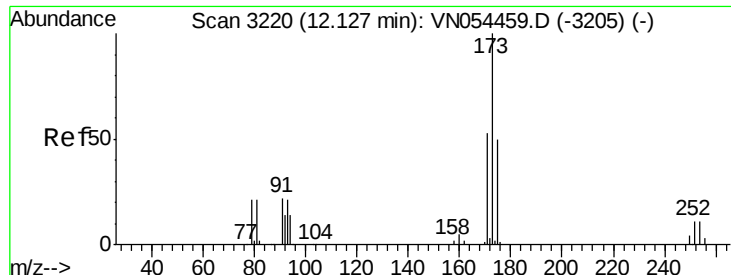
#70
Styrene
Concen: 49.851 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion:104 Resp: 697419
Ion Ratio Lower Upper
104 100
78 52.4 38.2 57.2
103 55.0 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





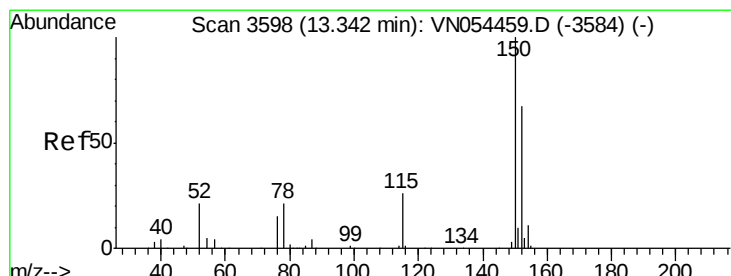
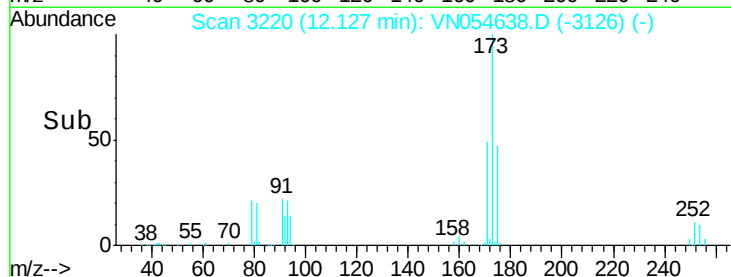
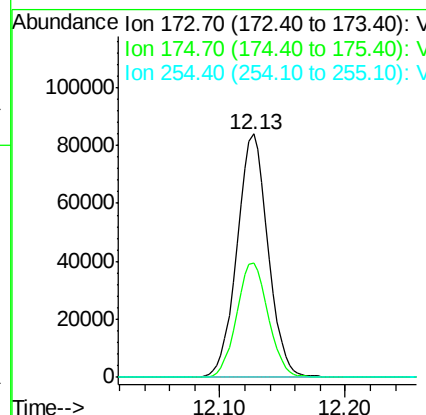
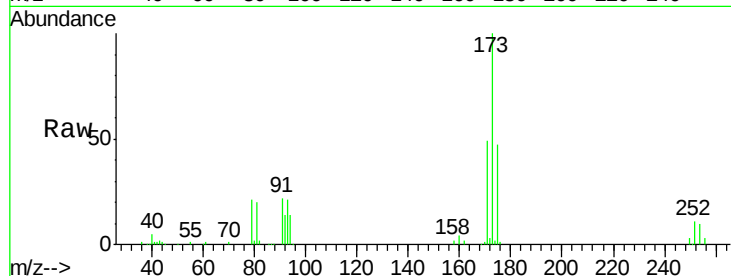
#71
Bromoform
Concen: 44.386 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.2
254	0.1	0.1	0.1

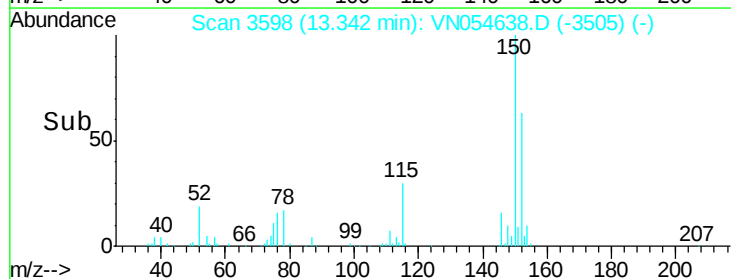
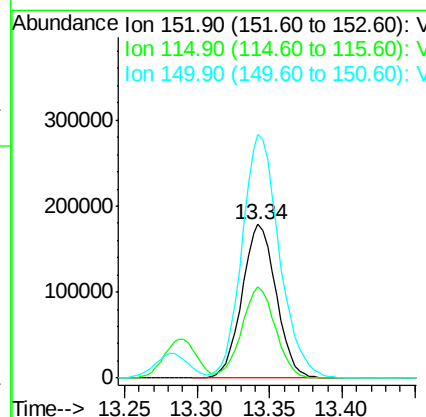
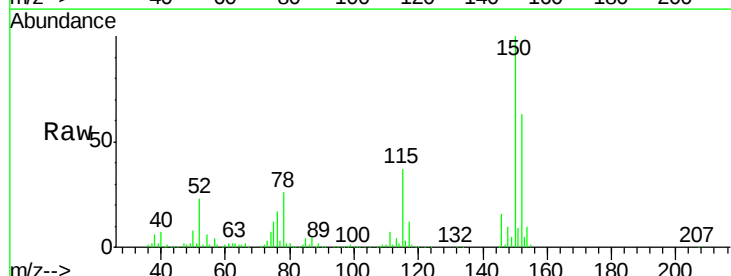
Manual Integrations
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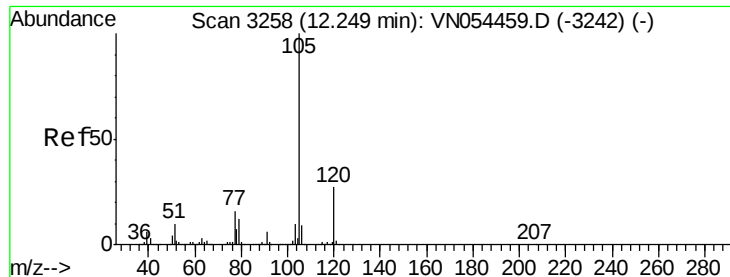
MMDadoda
3/25/2019 9:54:37 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	27.2	81.6
150	173.4	0.0	349.2





#73

Isopropylbenzene

Concen: 46.966 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1106730

Ion Ratio Lower Upper

105 100

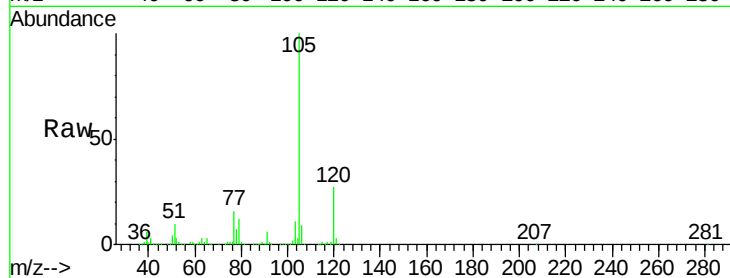
120 26.6 13.8 41.3

Manual Integrations

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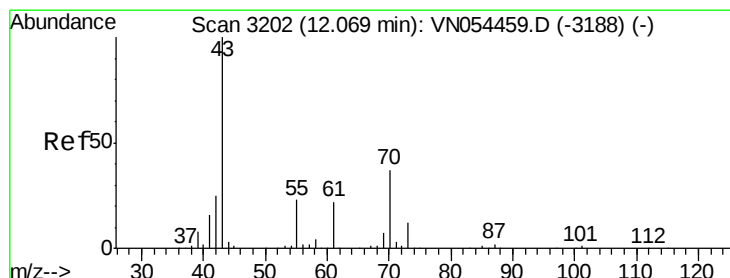
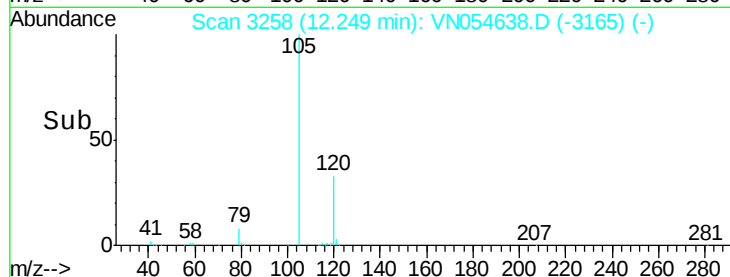
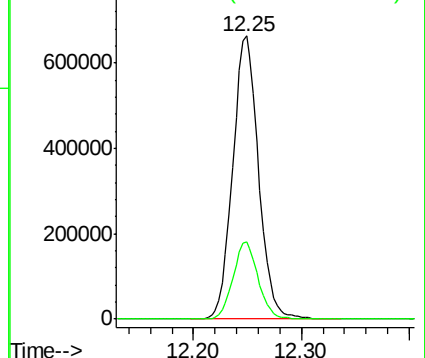
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.690 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Tgt Ion: 43 Resp: 363788

Ion Ratio Lower Upper

43 100

70 36.6 35.4 53.0

55 22.9 19.8 29.6

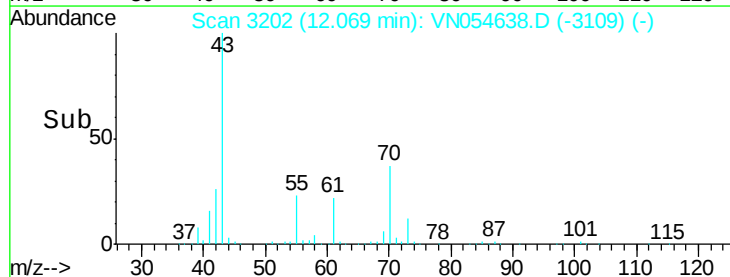
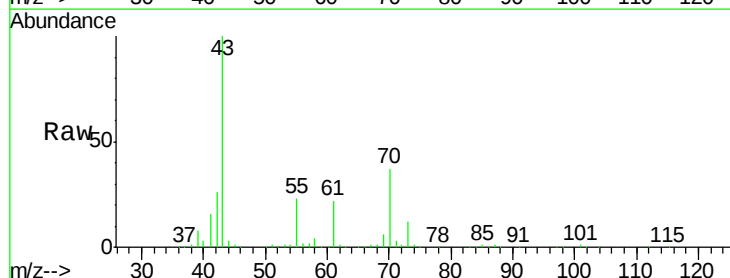
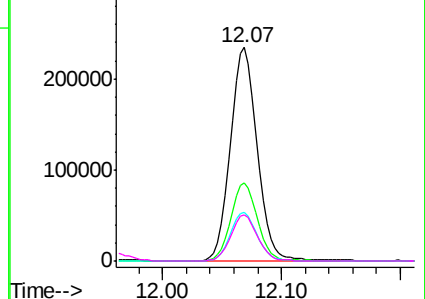
61 21.8 19.8 29.6

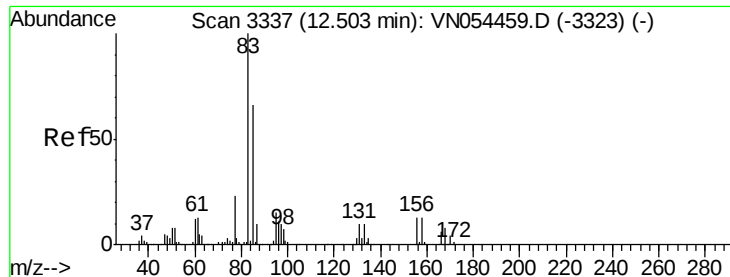
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.372 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

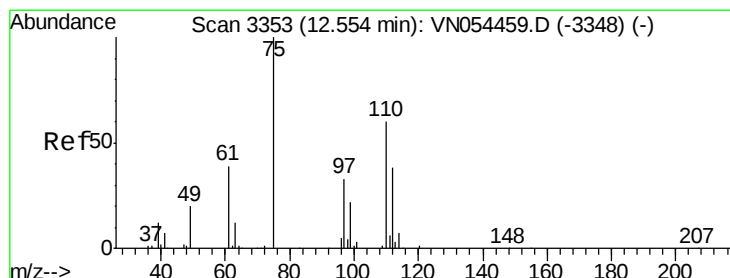
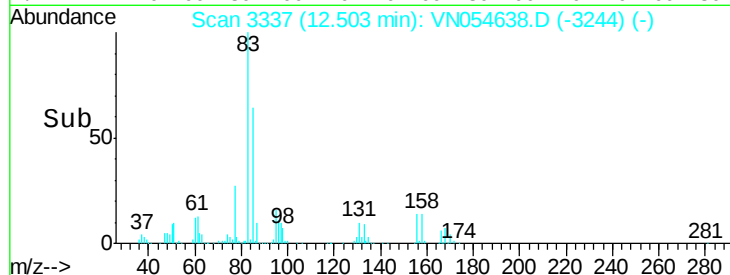
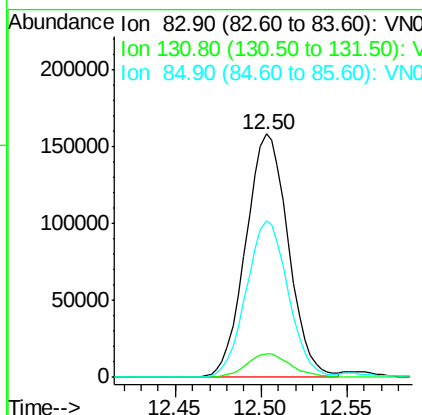
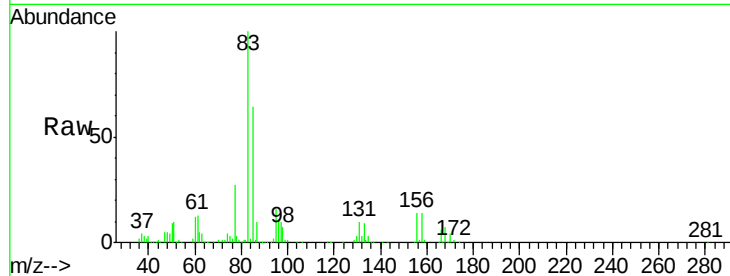
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	270964
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	63.3	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.525 ug/l m

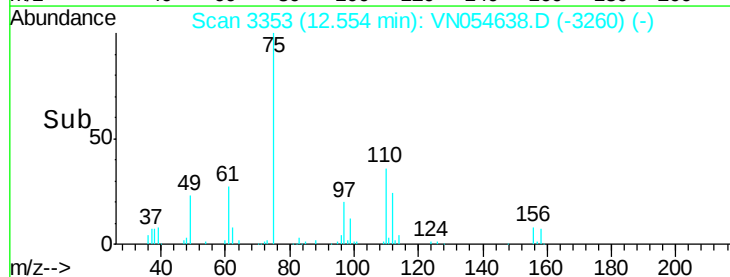
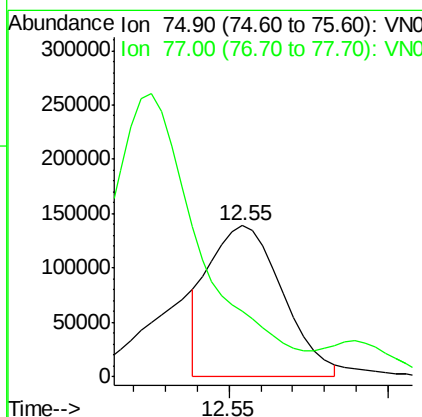
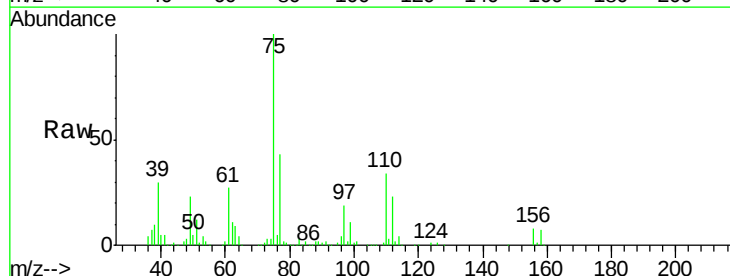
RT: 12.55 min Scan# 3353

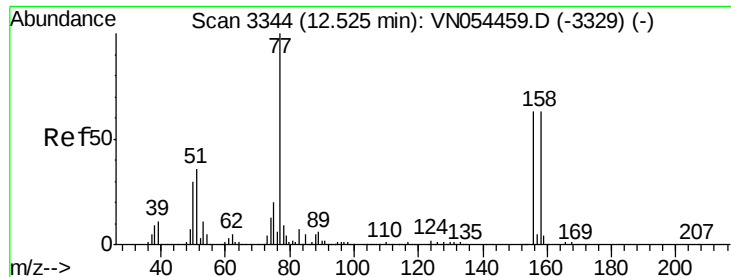
Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Tgt Ion:	75	Resp:	225175
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.836 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

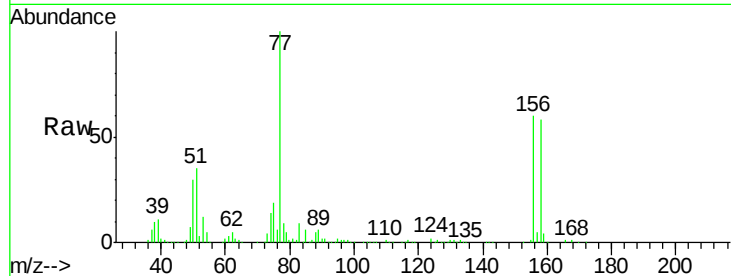
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.2	81.5	244.4
158	96.3	49.0	147.2

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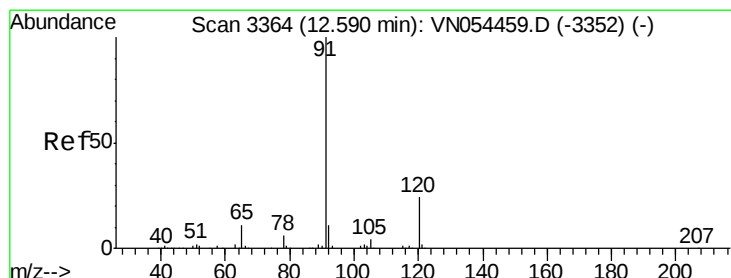
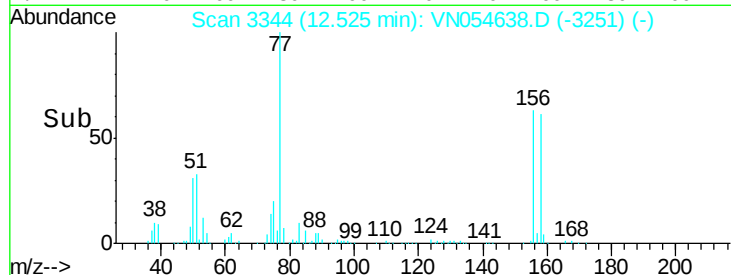
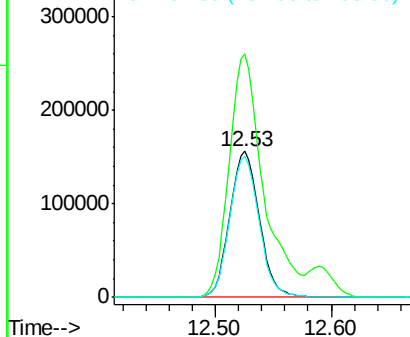
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.075 ug/l

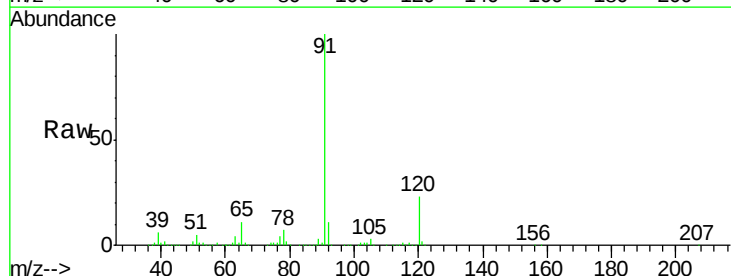
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054638.D

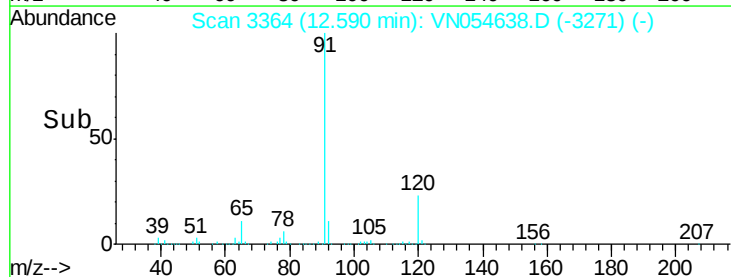
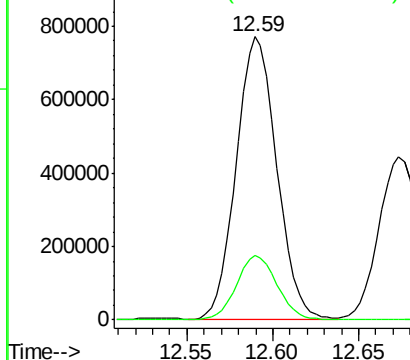
Acq: 24 Mar 2019 10:32

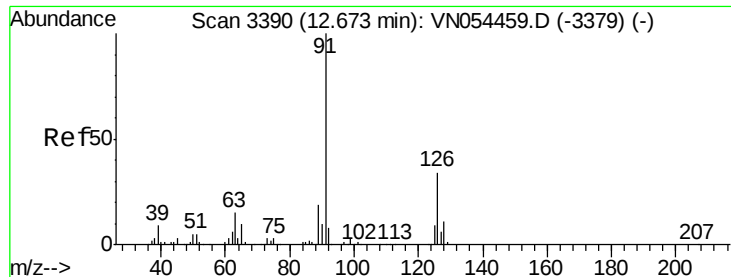
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.241 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 752755

Ion Ratio Lower Upper

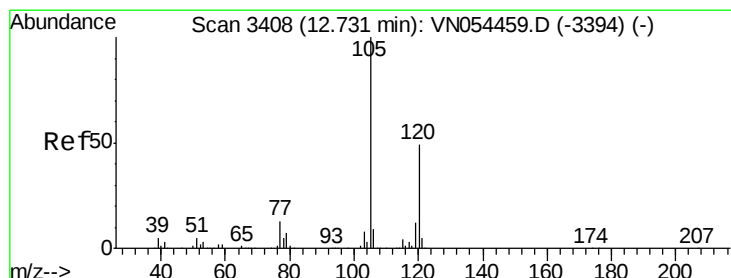
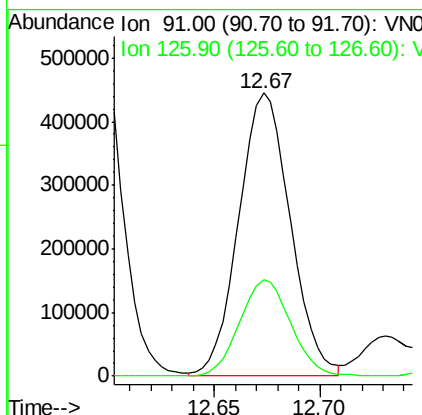
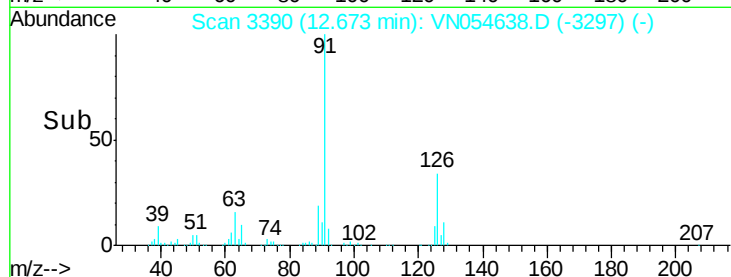
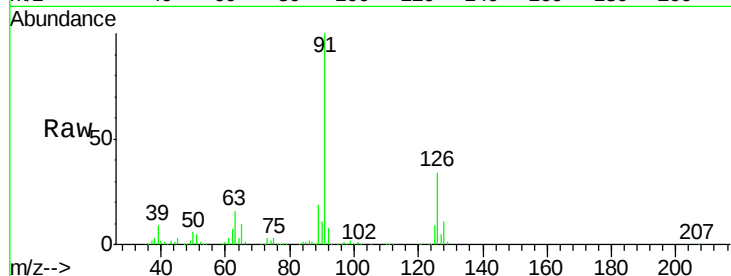
91 100

126 34.2 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 47.378 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054638.D

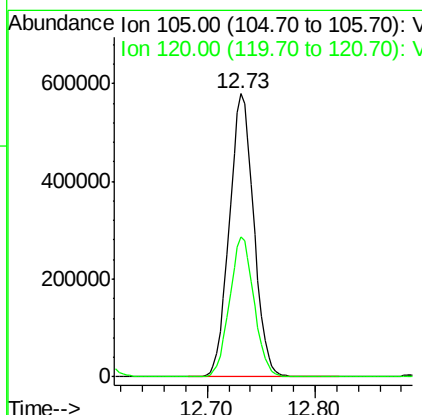
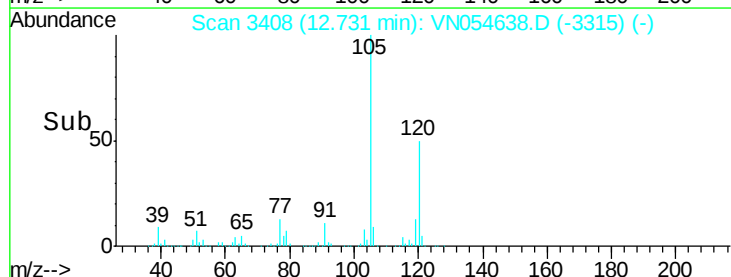
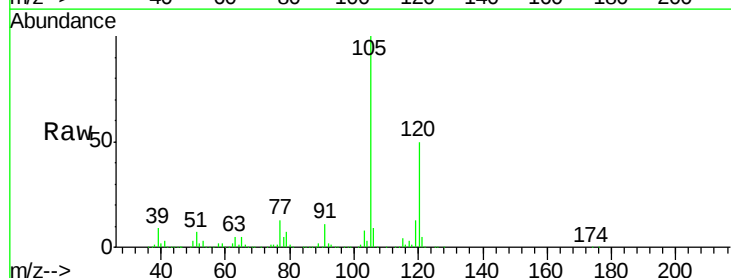
Acq: 24 Mar 2019 10:32

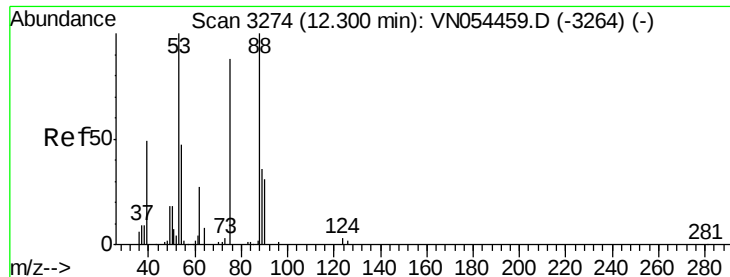
Tgt Ion: 105 Resp: 915013

Ion Ratio Lower Upper

105 100

120 49.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.179 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 58937

Ion Ratio Lower Upper

75 100

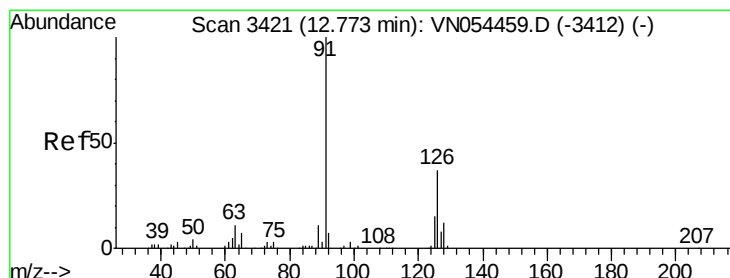
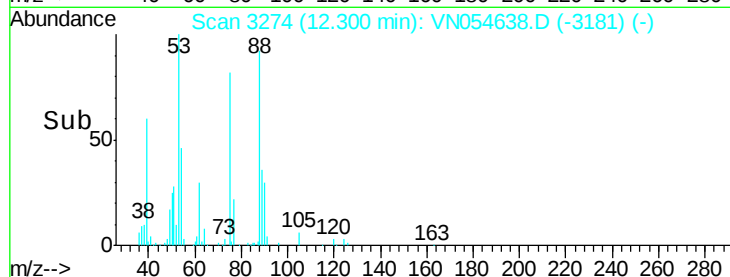
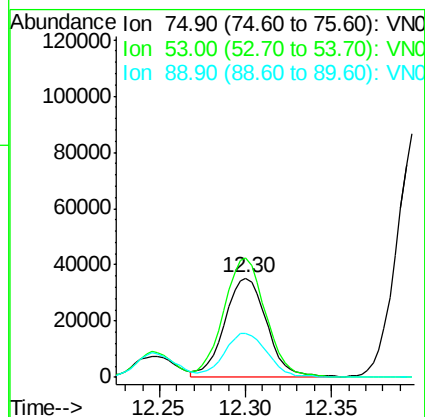
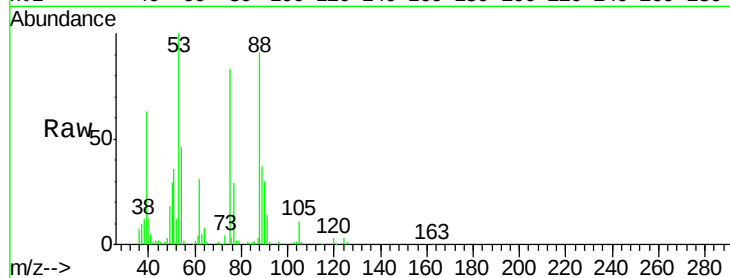
53 123.1 76.2 114.2#

89 46.5 39.2 58.8

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#82

4-Chlorotoluene

Concen: 49.061 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054638.D

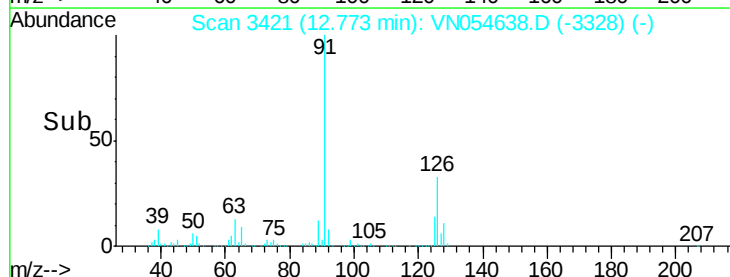
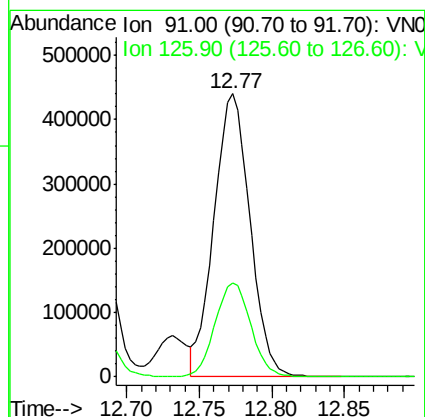
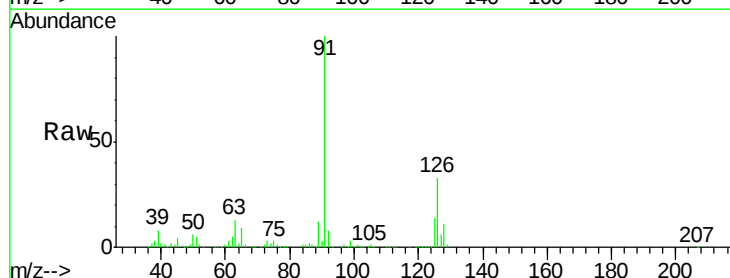
Acq: 24 Mar 2019 10:32

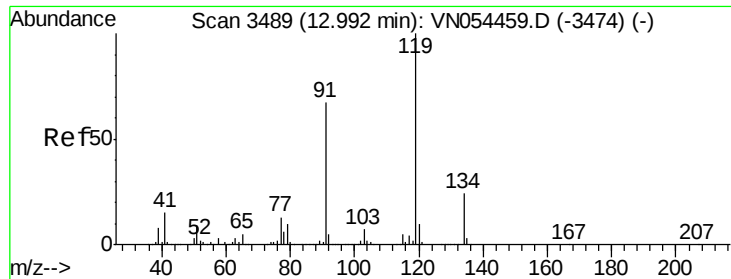
Tgt Ion: 91 Resp: 757772

Ion Ratio Lower Upper

91 100

126 33.1 18.1 54.1





#83

tert-Butylbenzene

Concen: 47.483 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

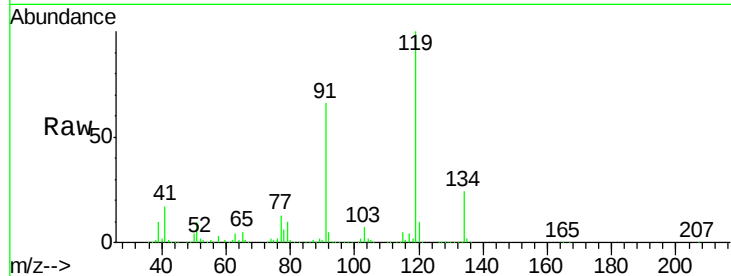
ClientSampleId :

VSTDCCC050

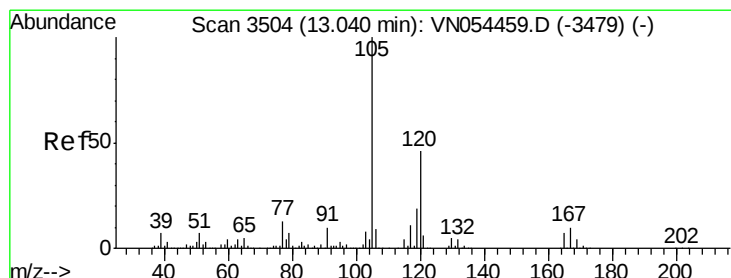
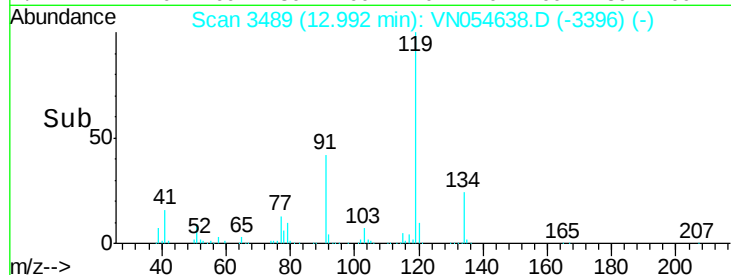
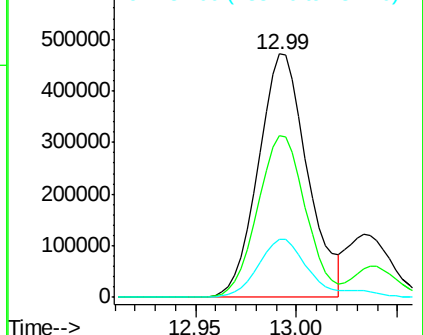
Tot Ion:	119	Resp:	798246
Ion Ratio	Lower	Upper	
119	100		
91	65.1	30.9	92.8
134	25.7	13.2	39.6

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.913 ug/l

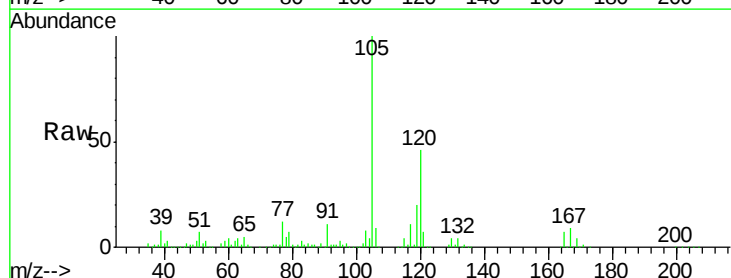
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

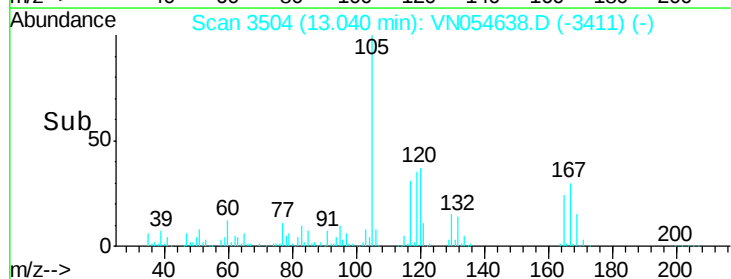
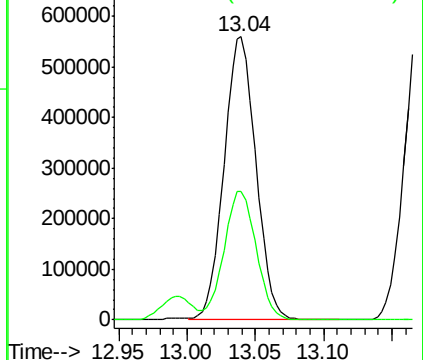
Lab File: VN054638.D

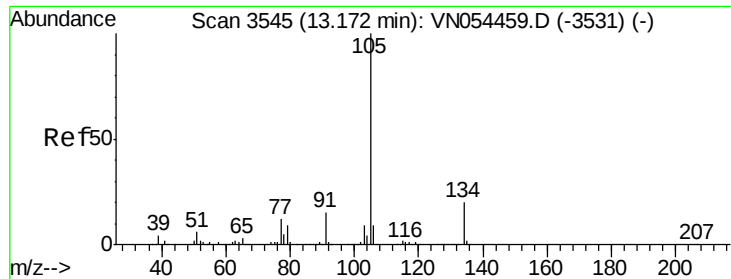
Acq: 24 Mar 2019 10:32

Tgt Ion:	105	Resp:	907983
Ion Ratio	Lower	Upper	
105	100		
120	45.9	23.4	70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.079 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1007566

Ion Ratio Lower Upper

105 100

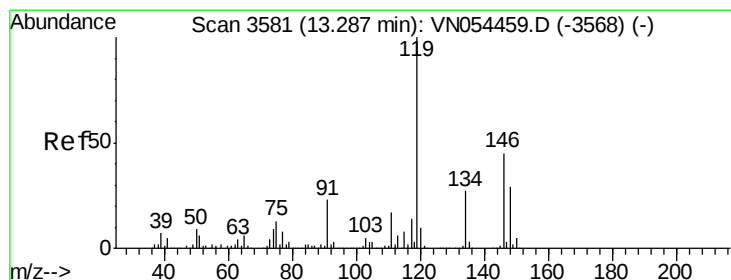
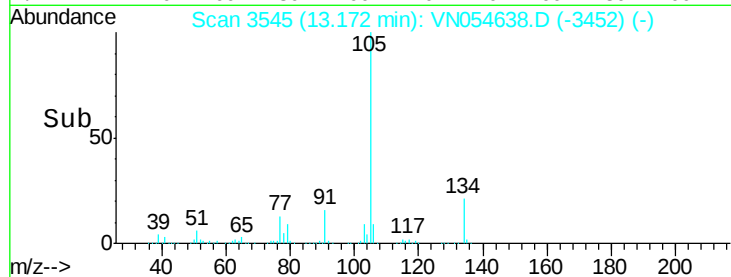
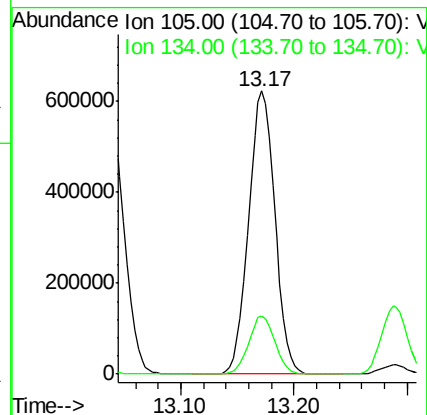
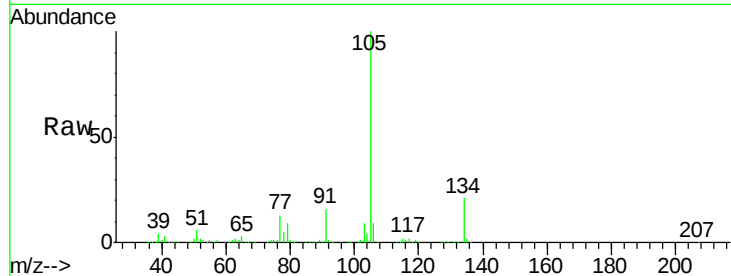
134 20.5 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 48.751 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

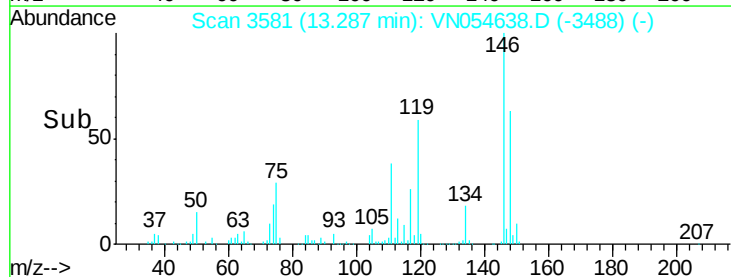
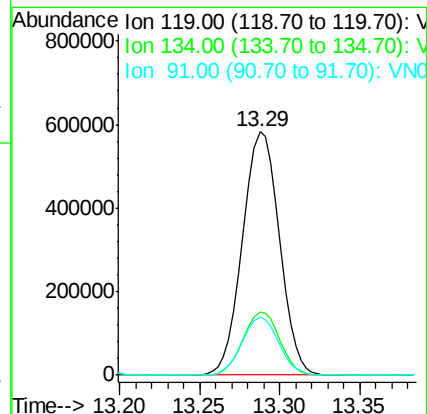
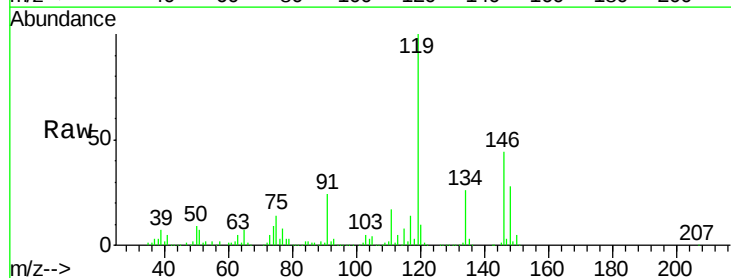
Tgt Ion:119 Resp: 914022

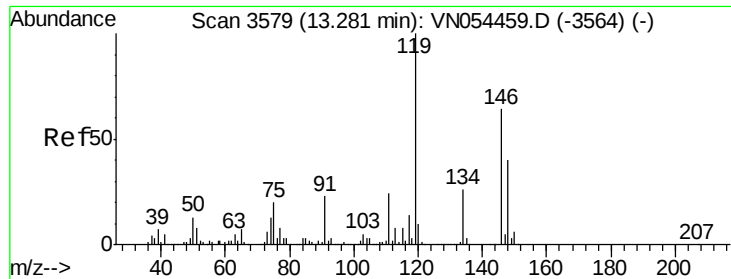
Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

91 23.6 11.1 33.3





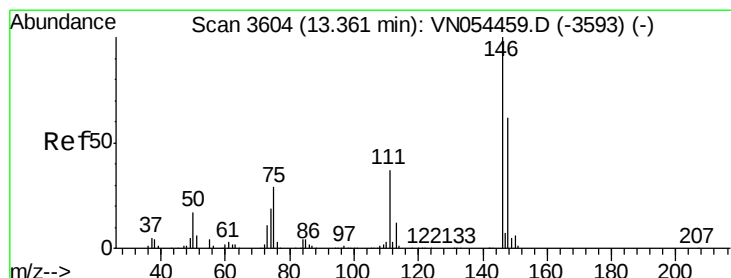
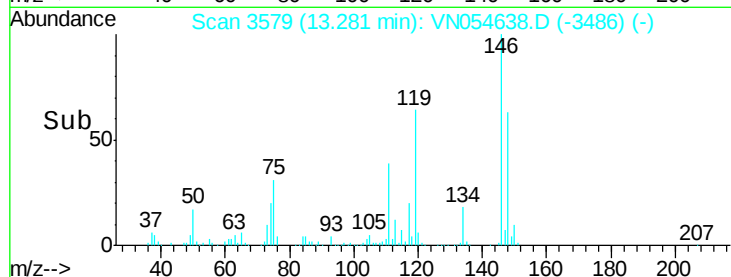
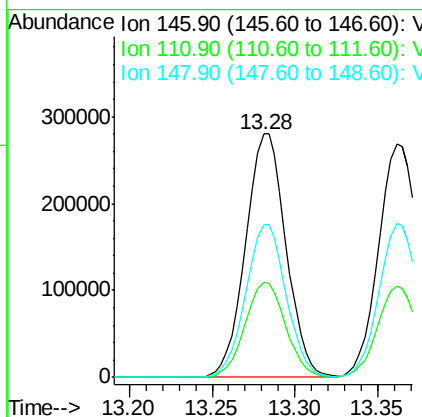
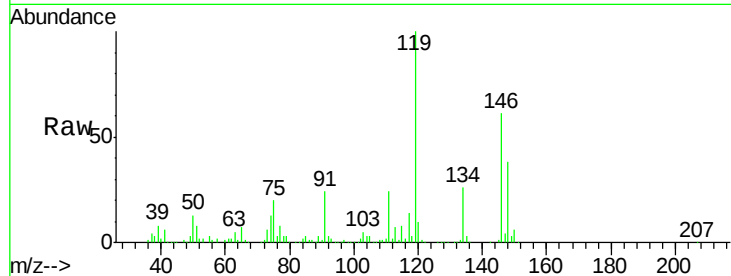
#87
 1,3-Dichlorobenzene
 Concen: 48.881 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.8	56.3
148	62.9	32.2	96.6

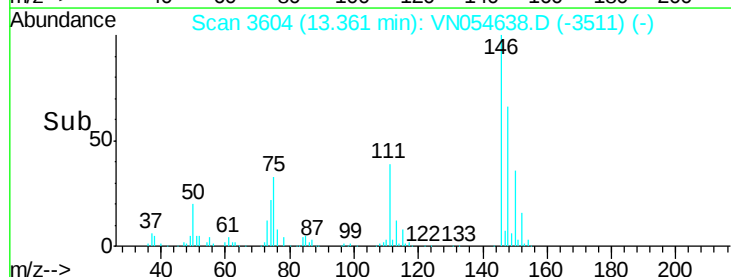
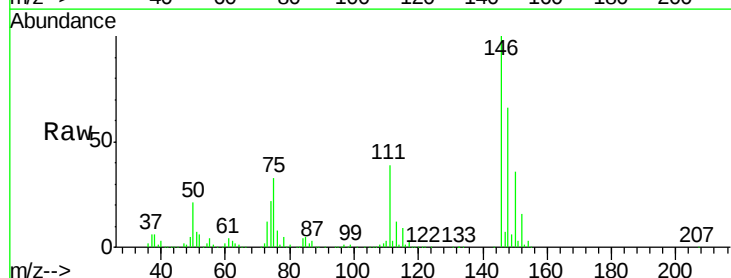
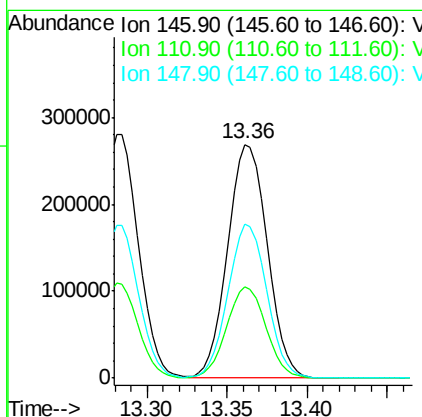
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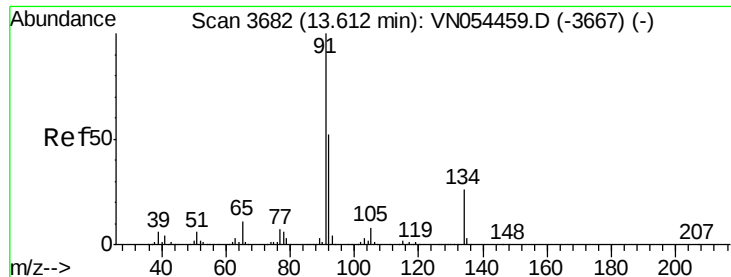
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#88
 1,4-Dichlorobenzene
 Concen: 48.256 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.1	54.1
148	64.6	32.0	96.0





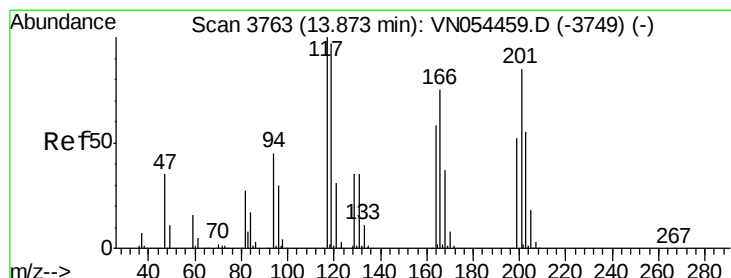
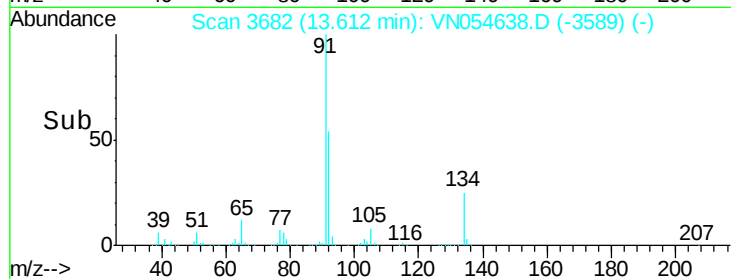
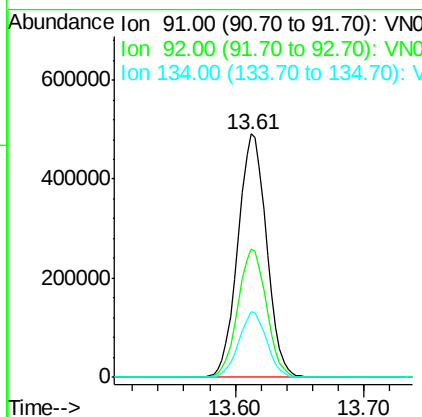
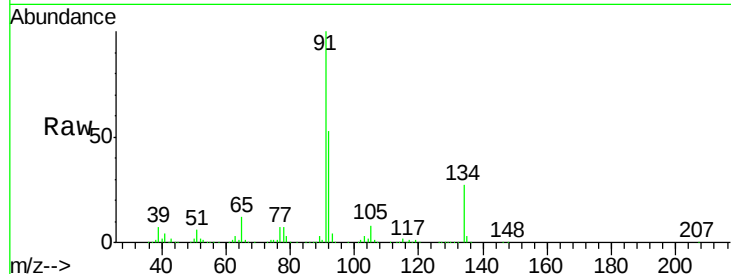
#89
n-Butylbenzene
Concen: 51.804 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.6
134	26.1	14.3	42.9

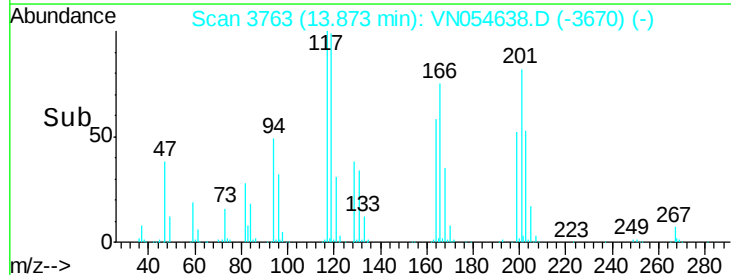
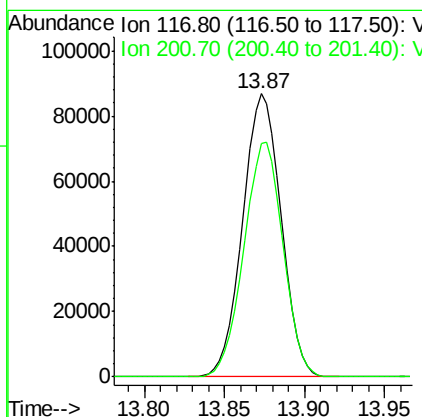
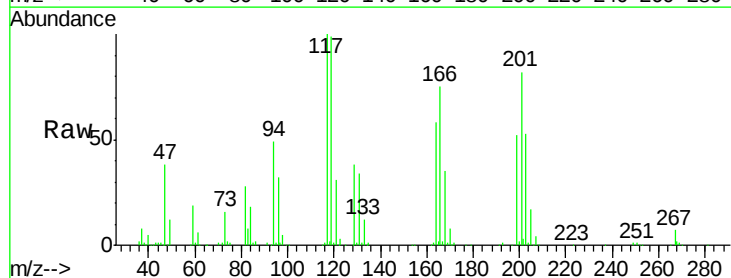
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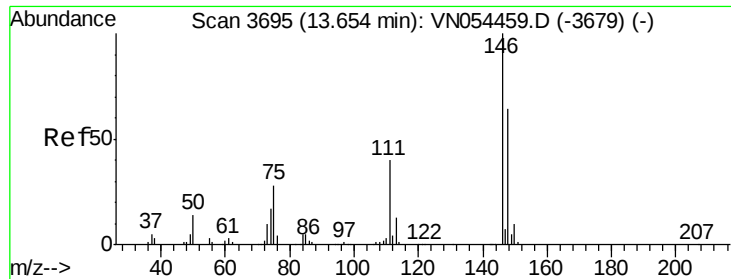
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#90
Hexachloroethane
Concen: 48.812 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	48.1	144.4





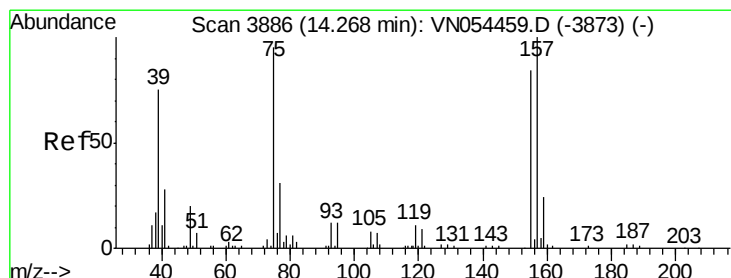
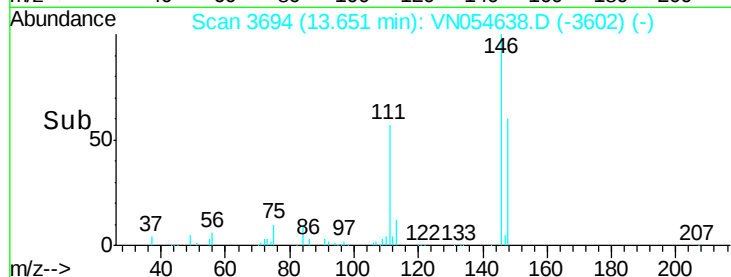
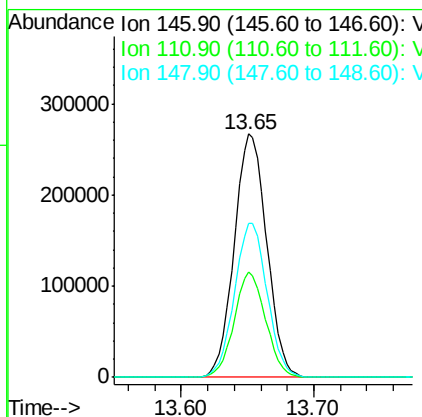
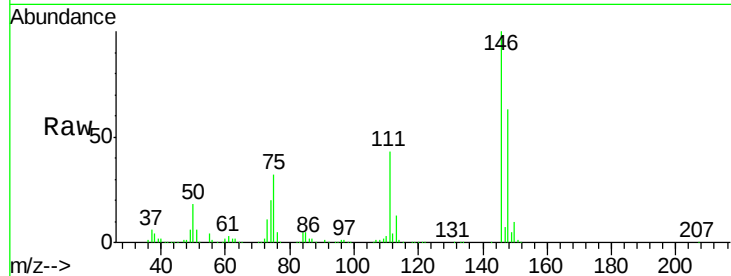
#91
 1,2-Dichlorobenzene
 Concen: 48.368 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.1	57.3
148	63.6	32.4	97.0

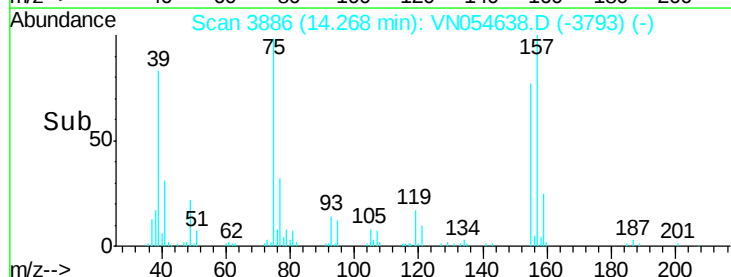
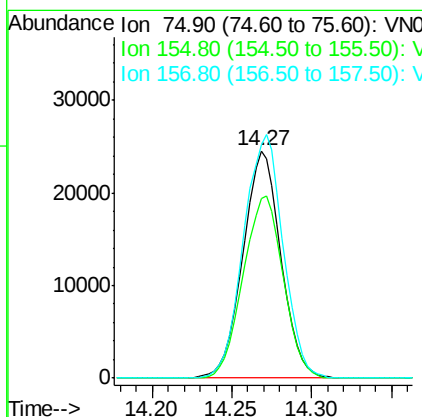
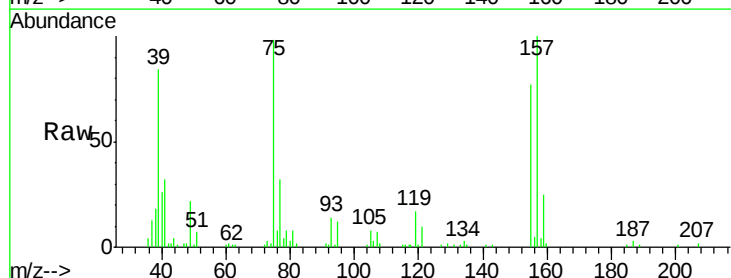
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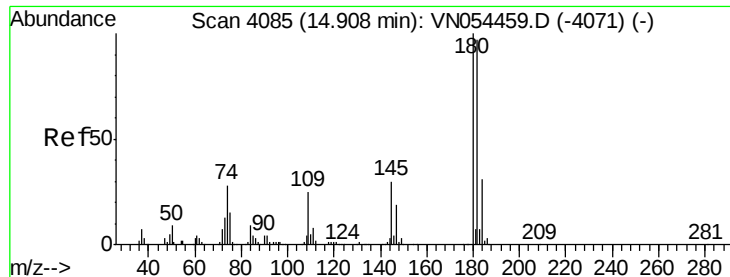
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.243 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	50.1	150.3
157	111.7	63.1	189.3





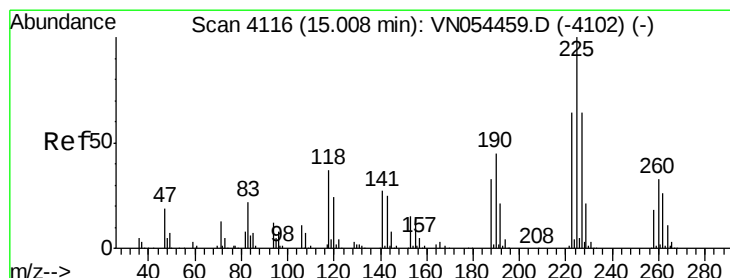
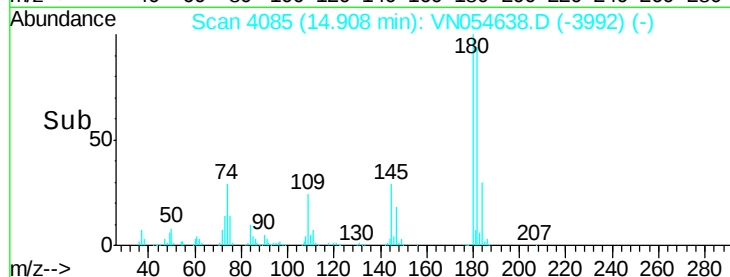
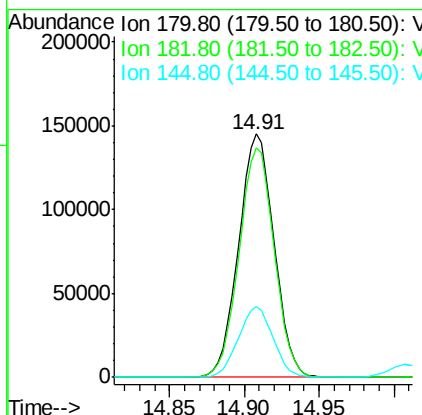
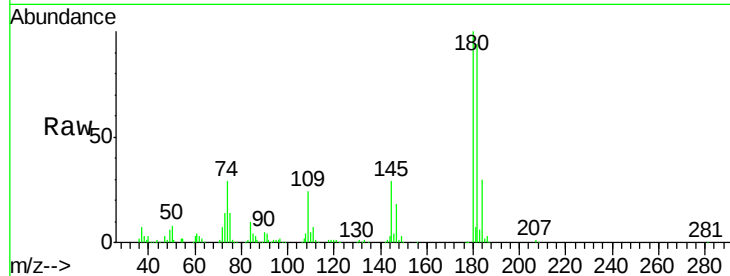
#93
 1,2,4-Trichlorobenzene
 Concen: 51.143 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	239165		
182	93.8	48.0	144.2	
145	28.5	14.2	42.8	

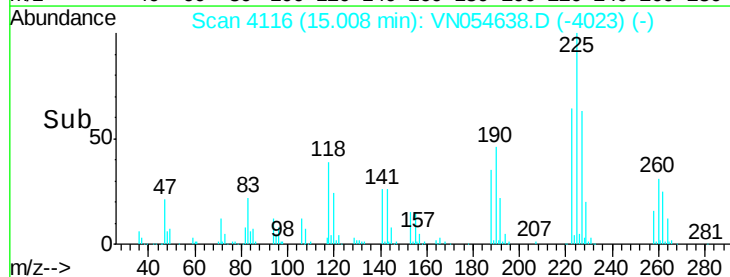
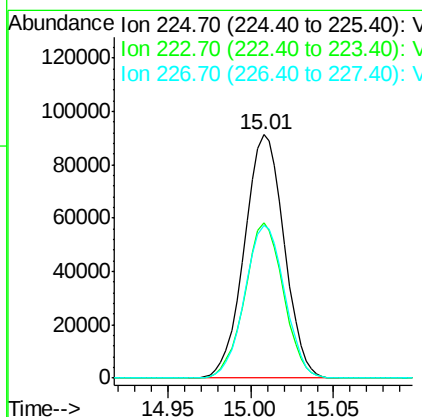
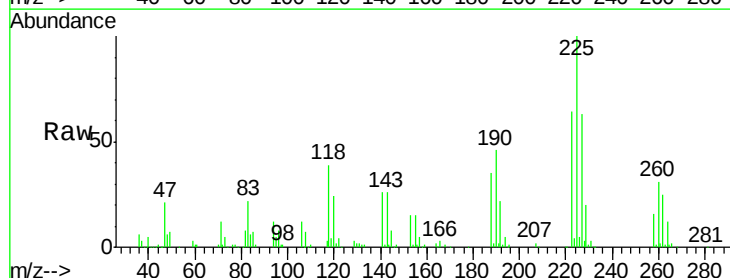
Manual Integrations
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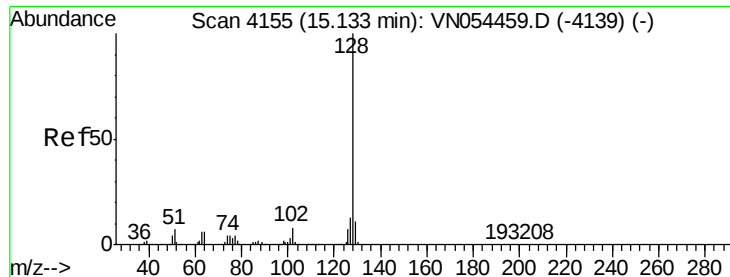
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#94
 Hexachlorobutadiene
 Concen: 58.291 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152076		
223	62.2	31.1	93.5	
227	62.7	31.9	95.9	





#95

Naphthalene

Concen: 48.218 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

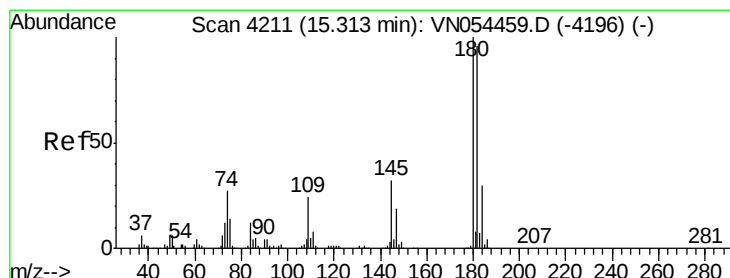
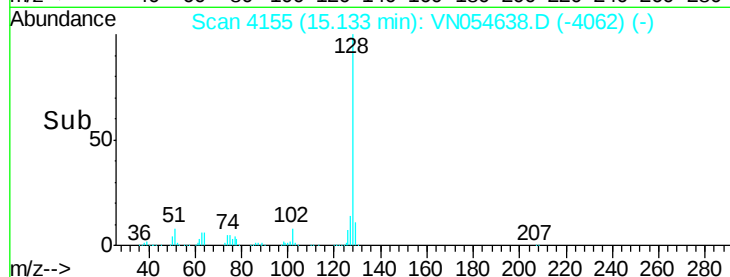
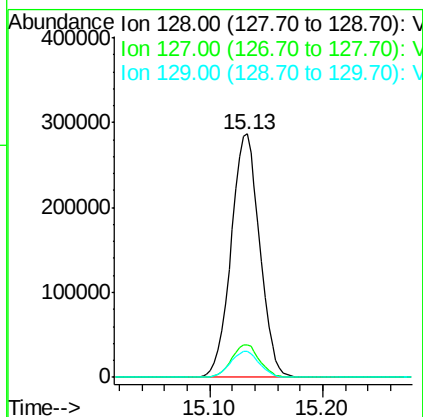
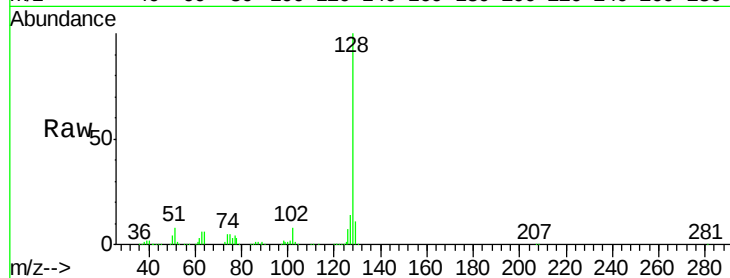
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	502957
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 48.753 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Tgt Ion:	180	Resp:	226911
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.6
145	30.8	14.8	44.3

