

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054477.D
 Acq On : 20 Mar 2019 21:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:48:40 PM

Quant Time: Mar 22 05:39:50 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	546576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	907347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	792381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	366778	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	353635	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.59	113	292231	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.09	98	1100749	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	384872	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	270008	51.675	ug/l	98
3) Chloromethane	2.06	50	366407	51.540	ug/l	98
4) Vinyl Chloride	2.19	62	332586	46.596	ug/l	99
5) Bromomethane	2.57	94	197331	42.755	ug/l	94
6) Chloroethane	2.71	64	191904	44.825	ug/l	99
7) Trichlorofluoromethane	3.02	101	409064	47.192	ug/l	100
8) Diethyl Ether	3.41	74	149723	44.912	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	226992	44.558	ug/l	96
10) Methyl Iodide	3.94	142	357500	47.707	ug/l	95
11) Tert butyl alcohol	4.82	59	94679	230.027	ug/l	98
12) 1,1-Dichloroethene	3.73	96	236850	44.927	ug/l #	81
13) Acrolein	3.61	56	120053	211.357	ug/l	97
14) Allyl chloride	4.32	41	505484	50.918	ug/l #	91
15) Acrylonitrile	5.00	53	541280	264.075	ug/l	99
16) Acetone	3.82	43	369016	180.538	ug/l #	85
17) Carbon Disulfide	4.04	76	648269	45.893	ug/l	99
18) Methyl Acetate	4.33	43	232710	51.080	ug/l	91
19) Methyl tert-butyl Ether	5.06	73	806571	52.423	ug/l	96
20) Methylene Chloride	4.54	84	303687	50.402	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	283151	52.599	ug/l	85
22) Diisopropyl ether	5.96	45	1053346	53.793	ug/l #	95
23) Vinyl Acetate	5.90	43	3724357	269.299	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	554643	52.606	ug/l	98
25) 2-Butanone	6.85	43	655392	250.309	ug/l	90
26) 2,2-Dichloropropane	6.82	77	334323	44.483	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	328261	51.123	ug/l	91
28) Bromochloromethane	7.19	49	277433	53.459	ug/l #	77
29) Tetrahydrofuran	7.22	42	454291	267.367	ug/l #	86
30) Chloroform	7.37	83	529575	51.468	ug/l	99
31) Cyclohexane	7.65	56	530759	52.634	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	443014	52.188	ug/l	97
36) 1,1-Dichloropropene	7.79	75	414101	48.811	ug/l	97
37) Ethyl Acetate	6.94	43	297079	49.235	ug/l	97
38) Carbon Tetrachloride	7.77	117	373624	45.319	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	448662	46.232	ug/l	92
40) Benzene	8.04	78	1218894	50.243	ug/l	100
41) Methacrylonitrile	7.18	41	172780	46.953	ug/l	91
42) 1,2-Dichloroethane	8.12	62	422821	47.858	ug/l	98
43) Isopropyl Acetate	8.17	43	520244	51.052	ug/l #	94
44) Trichloroethene	8.83	130	326628	48.427	ug/l	94
45) 1,2-Dichloropropane	9.12	63	338947	52.032	ug/l	100
46) Dibromomethane	9.21	93	188456	48.493	ug/l	91
47) Bromodichloromethane	9.40	83	389014	48.233	ug/l	97
48) Methyl methacrylate	9.20	41	272505	49.269	ug/l	88
49) 1,4-Dioxane	9.20	88	58156	940.525	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	1438311	254.676	ug/l	96
52) Toluene	10.16	92	735924	49.322	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	373243	44.143	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	461099	49.861	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	263073	49.049	ug/l	98
56) Ethyl methacrylate	10.43	69	380321	52.830	ug/l	88
57) 1,3-Dichloropropane	10.71	76	473913	50.830	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	778272	262.543	ug/l	91
59) 2-Hexanone	10.75	43	907881	246.108	ug/l	95
60) Dibromochloromethane	10.90	129	280262	49.106	ug/l	99
61) 1,2-Dibromoethane	11.01	107	267818	50.508	ug/l	99
64) Tetrachloroethene	10.63	164	315597	48.018	ug/l	96
65) Chlorobenzene	11.43	112	792068	49.148	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	284235	49.137	ug/l	100
67) Ethyl Benzene	11.51	91	1404712	49.343	ug/l	99
68) m/p-Xylenes	11.62	106	1052788	97.634	ug/l	97
69) o-Xylene	11.95	106	515771	48.978	ug/l	98
70) Styrene	11.96	104	884151	51.702	ug/l	98
71) Bromoform	12.13	173	165291	41.827	ug/l #	99
73) Isopropylbenzene	12.25	105	1359152	45.986	ug/l	99
74) N-amyl acetate	12.07	43	441146	51.910	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	316122	46.855	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	285201m	49.002	ug/l	
77) Bromobenzene	12.53	156	482659	65.845	ug/l	76
78) n-propylbenzene	12.59	91	1494223	46.623	ug/l	98
79) 2-Chlorotoluene	12.67	91	900229	45.044	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1153083	47.602	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	65592	39.558	ug/l #	84
82) 4-Chlorotoluene	12.77	91	923048	47.648	ug/l	97
83) tert-Butylbenzene	12.99	119	965711	45.800	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1138951	47.918	ug/l	97
85) sec-Butylbenzene	13.17	105	1203955	45.804	ug/l	97
86) p-Isopropyltoluene	13.29	119	1105485	47.011	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	573074	47.177	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	567202	47.991	ug/l	99
89) n-Butylbenzene	13.61	91	914101	49.713	ug/l	98
90) Hexachloroethane	13.88	117	153883	42.158	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	567471	48.230	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48740	49.252	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	317557	54.141	ug/l	99
94) Hexachlorobutadiene	15.01	225	166729	50.625	ug/l	99
95) Naphthalene	15.13	128	764722	58.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	317387	54.369	ug/l	97

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

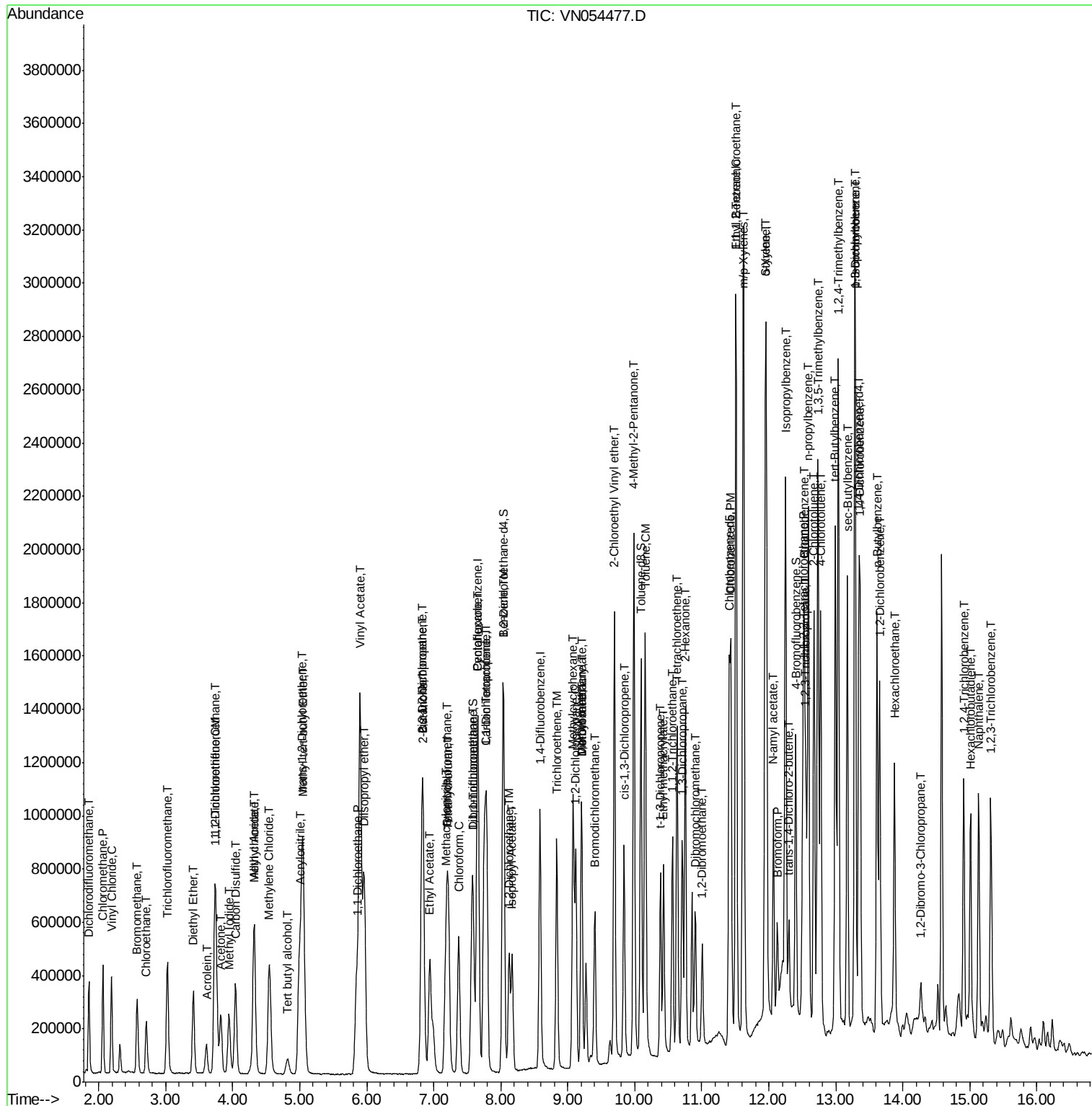
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Data File : VN054477.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 546576

Ion Ratio Lower Upper

168 100

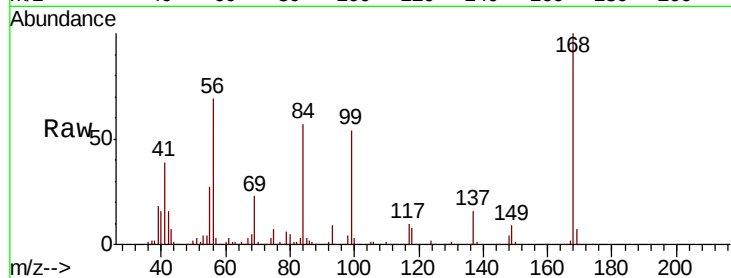
99 53.0 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

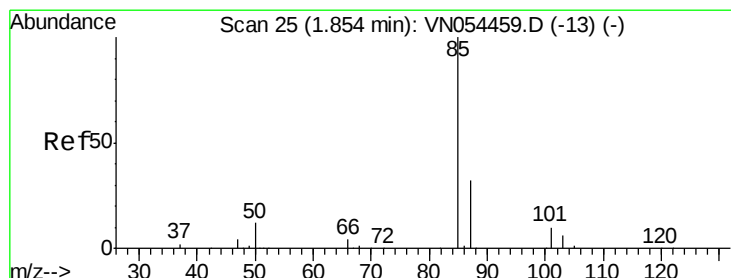
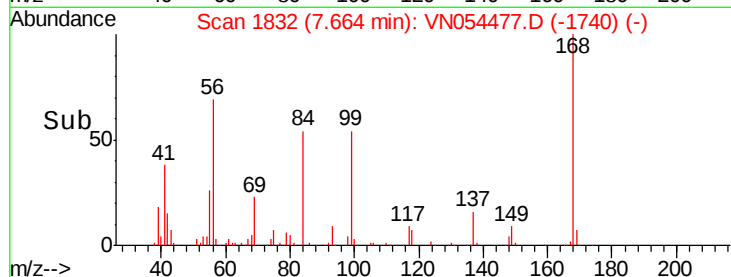
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 51.675 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054477.D

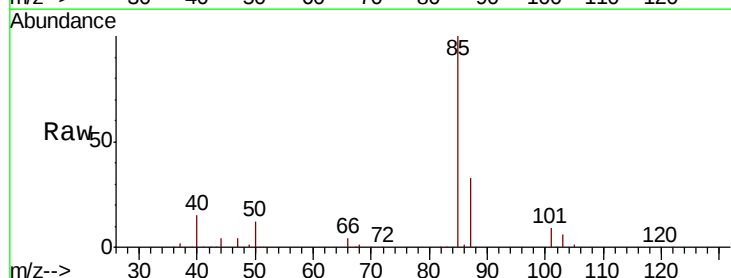
Acq: 20 Mar 2019 21:29

Tgt Ion: 85 Resp: 270008

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

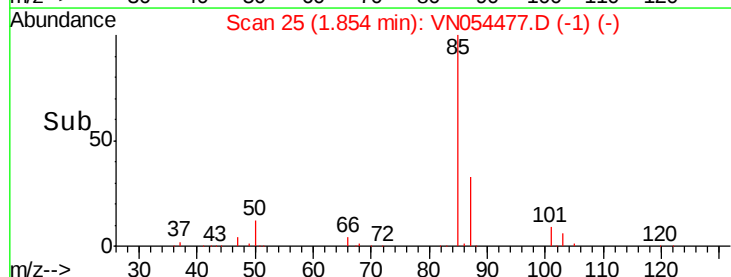
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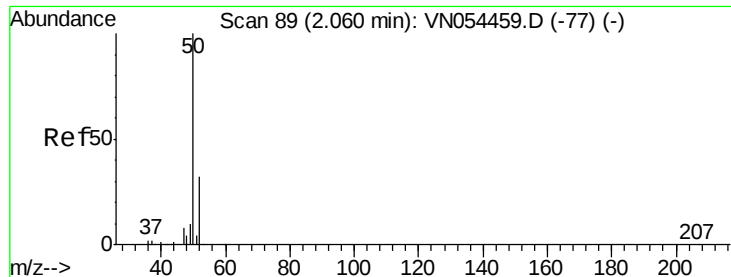
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50000

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Time-->





#3

Chloromethane

Concen: 51.540 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 366407

Ion Ratio Lower Upper

50 100

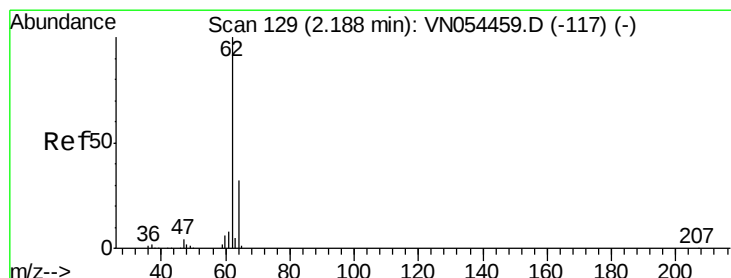
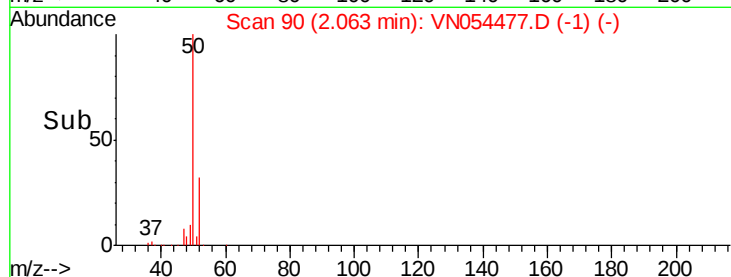
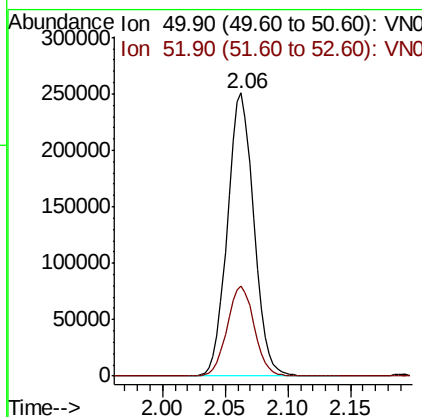
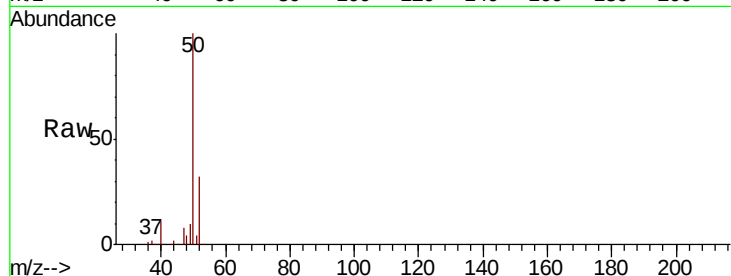
52 31.8 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.596 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054477.D

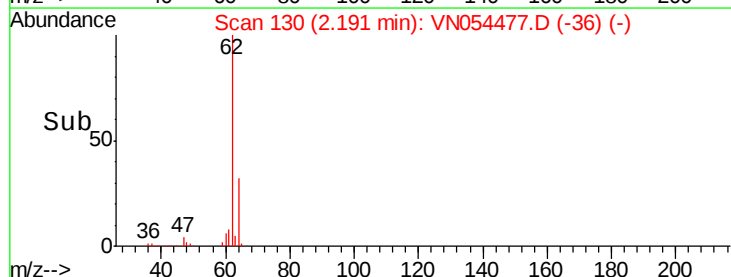
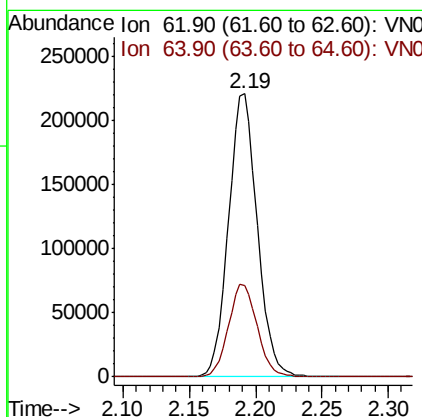
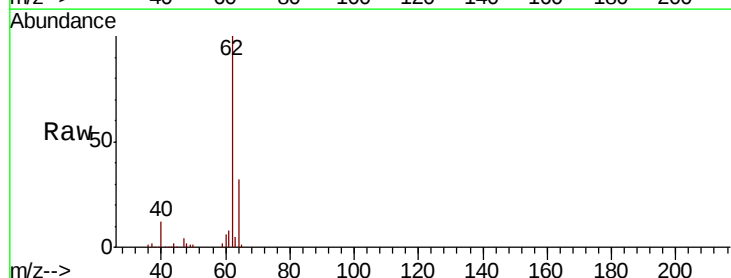
Acq: 20 Mar 2019 21:29

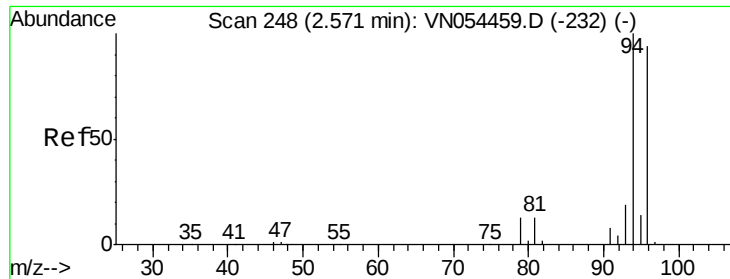
Tgt Ion: 62 Resp: 332586

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 42.755 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 197331

Ion Ratio Lower Upper

94 100

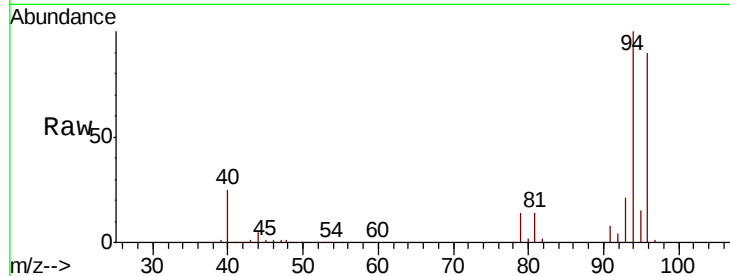
96 90.1 77.0 115.4

Manual Integrations

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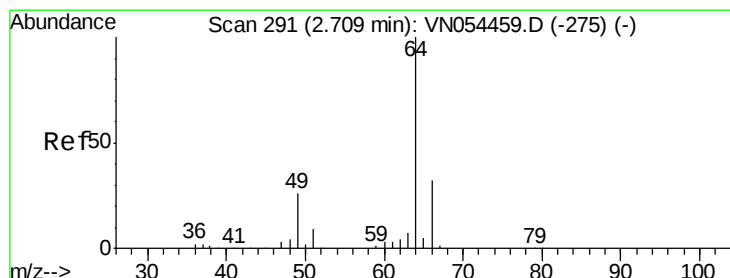
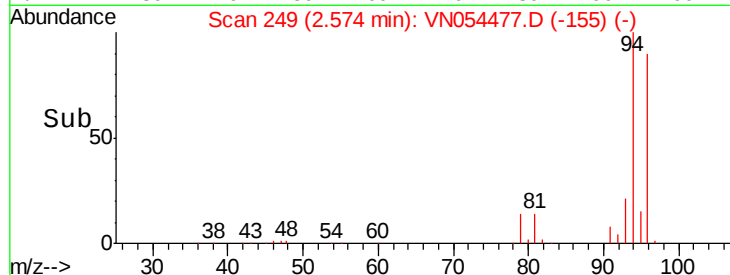
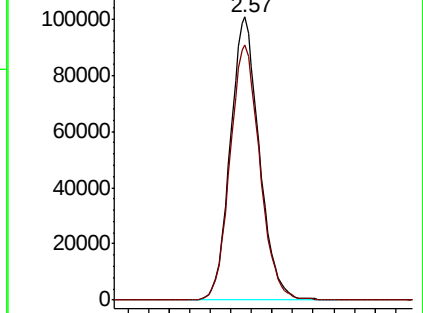
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.825 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054477.D

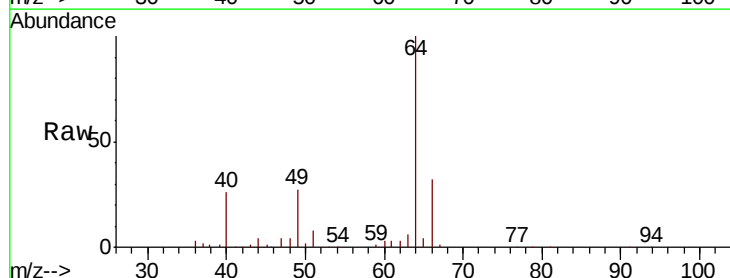
Acq: 20 Mar 2019 21:29

Tgt Ion: 64 Resp: 191904

Ion Ratio Lower Upper

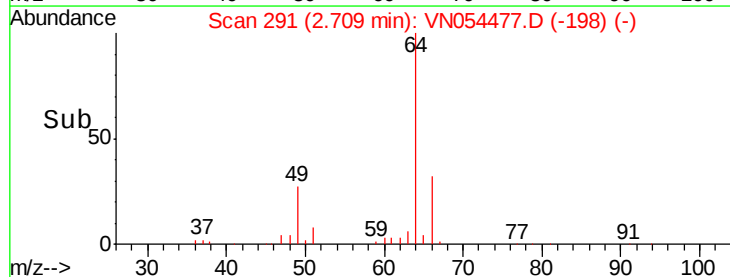
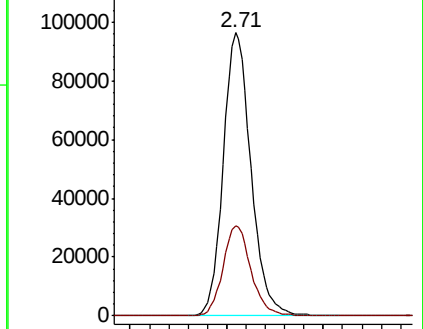
64 100

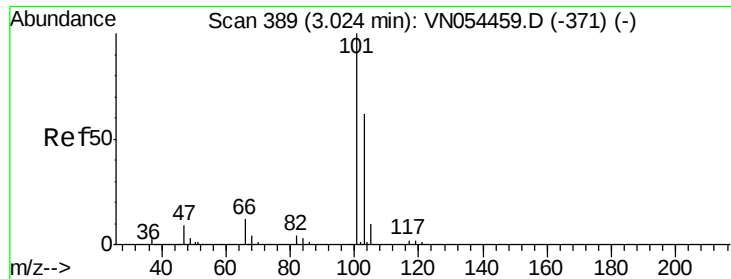
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

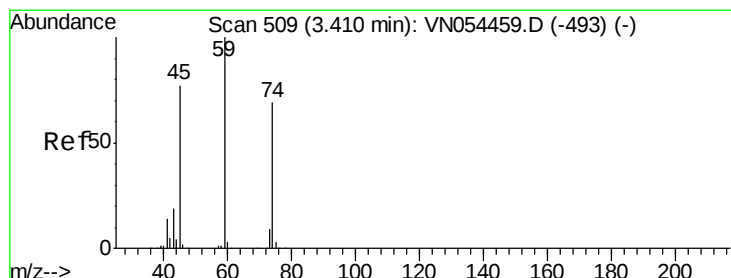
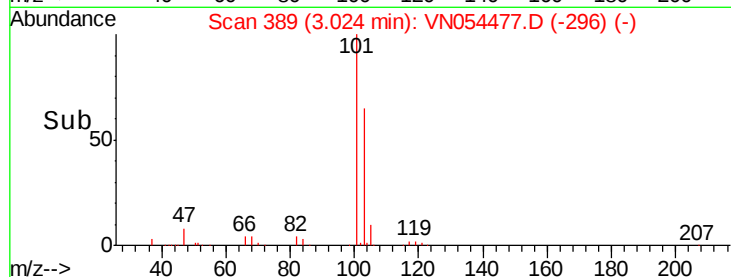
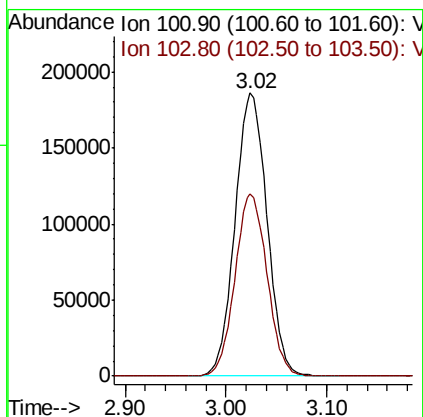
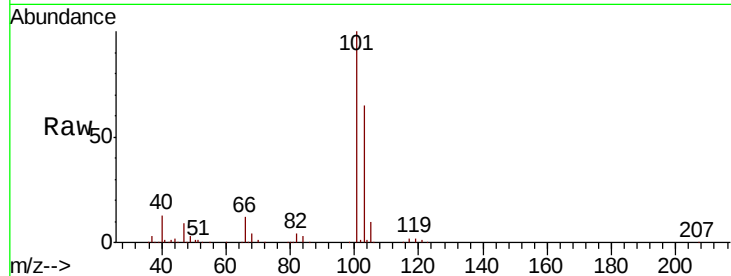
Trichlorofluoromethane
 Concen: 47.192 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054477.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.2

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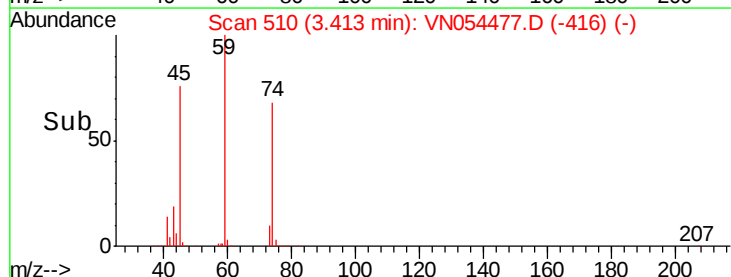
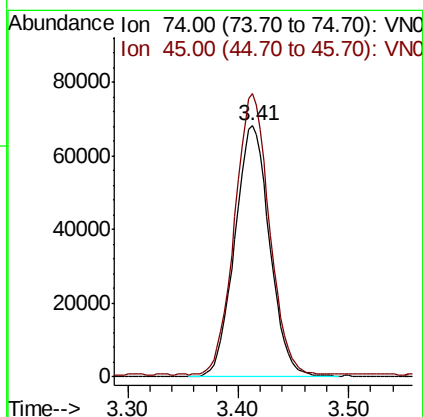
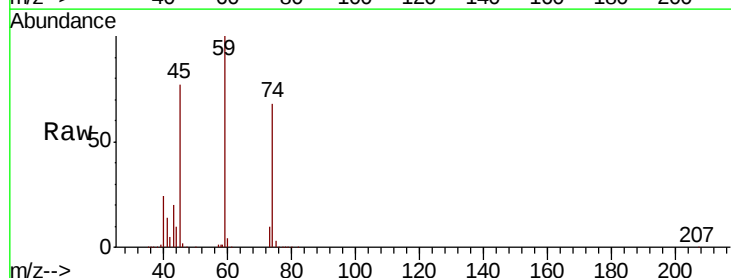
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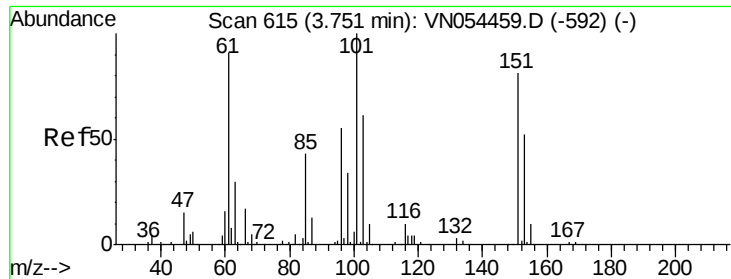


#8

Diethyl Ether
 Concen: 44.912 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.9	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.558 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054477.D

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Instrument :

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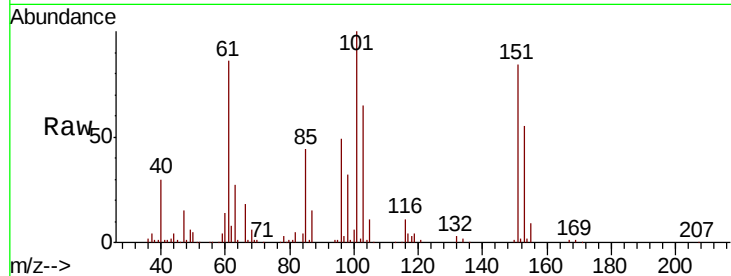
ClientSampleId :

VSTDCCC050EC

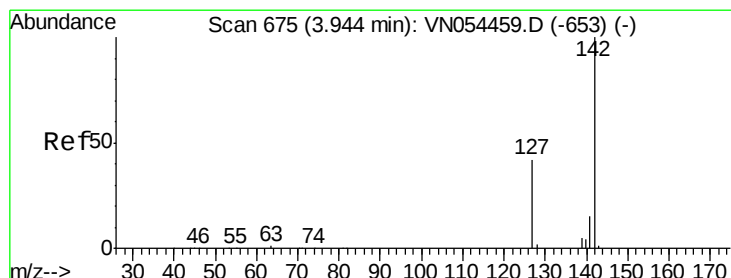
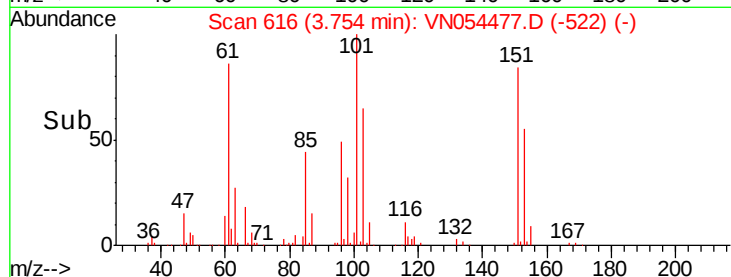
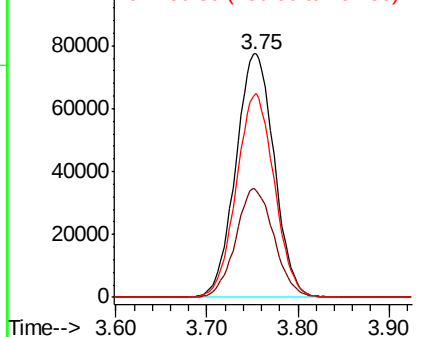
Tot Ion:	101	Resp:	226992
Ion Ratio	Lower	Upper	
101	100		
85	44.3	32.4	48.6
151	82.7	68.2	102.2

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



#10

Methyl Iodide

Concen: 47.707 ug/l

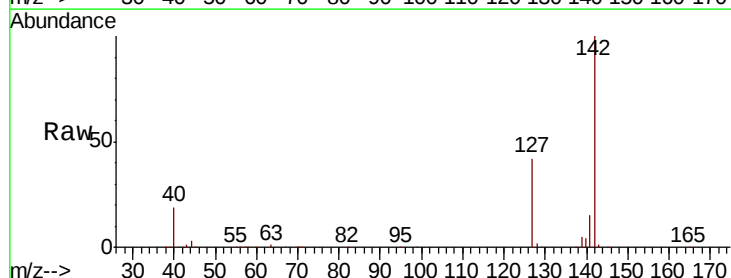
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

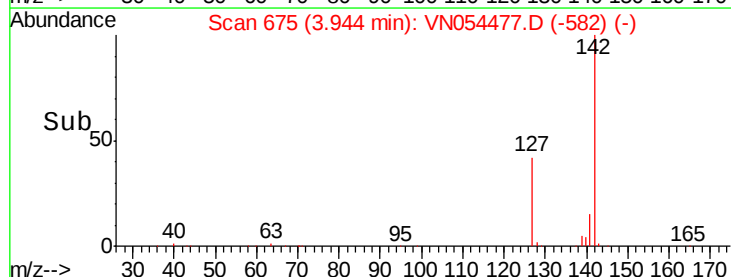
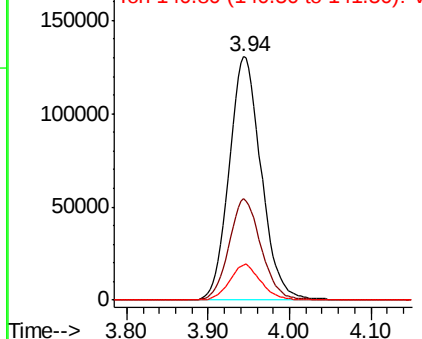
Lab File: VN054477.D

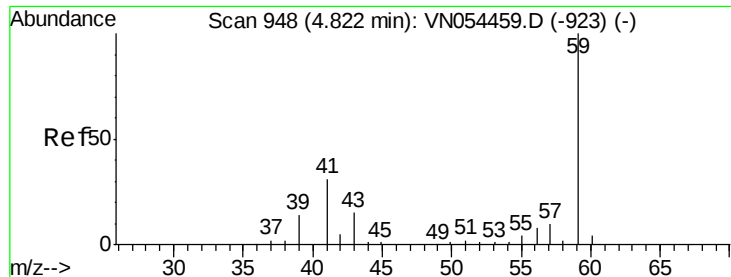
Acq: 20 Mar 2019 21:29

Tgt Ion:	142	Resp:	357500
Ion Ratio	Lower	Upper	
142	100		
127	41.8	30.3	45.5
141	14.4	11.2	16.8



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





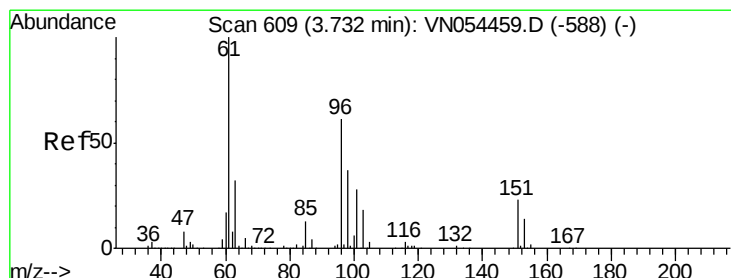
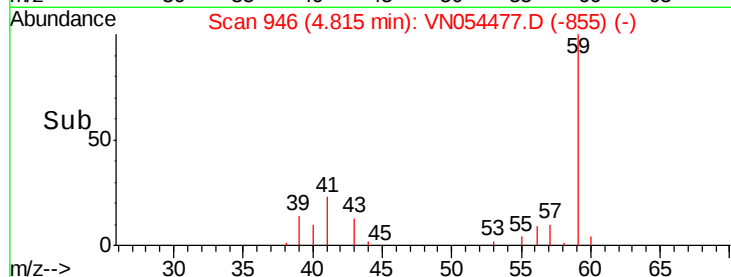
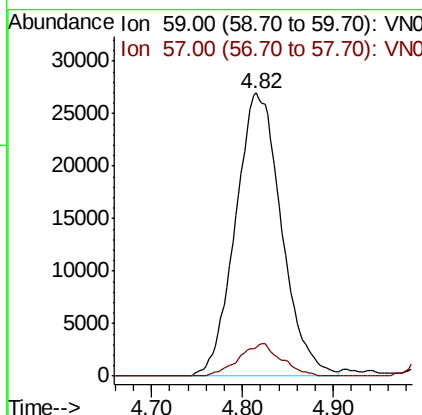
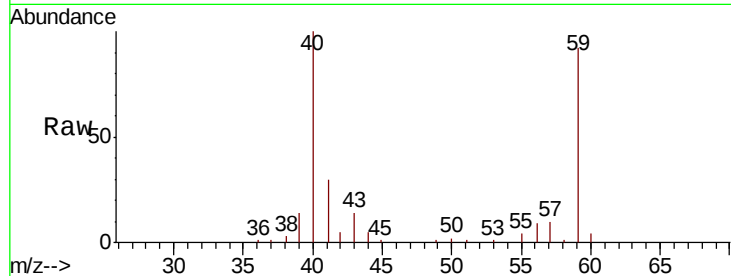
#11
Tert butyl alcohol
Concen: 230.027 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 94679
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.6

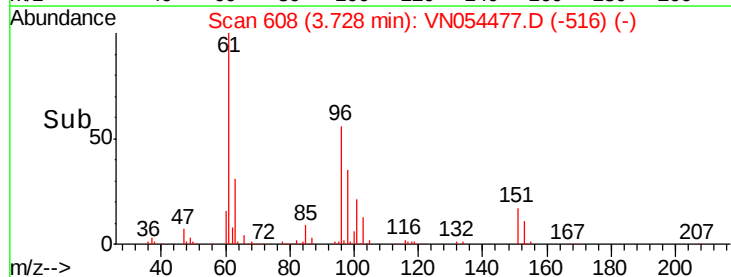
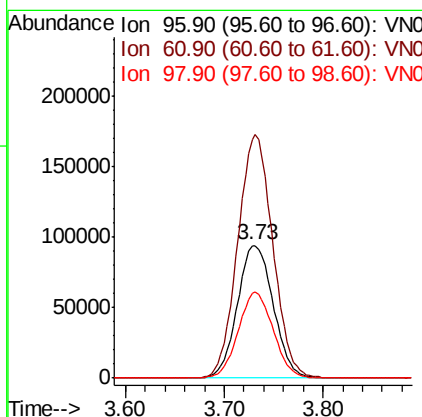
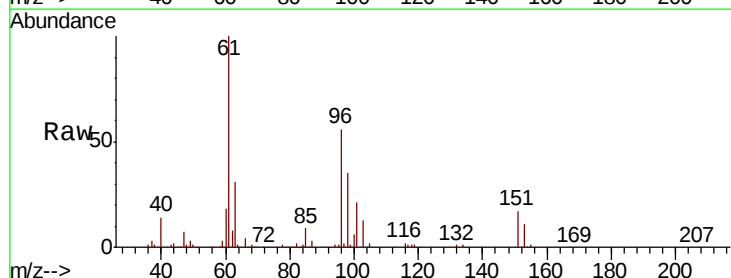
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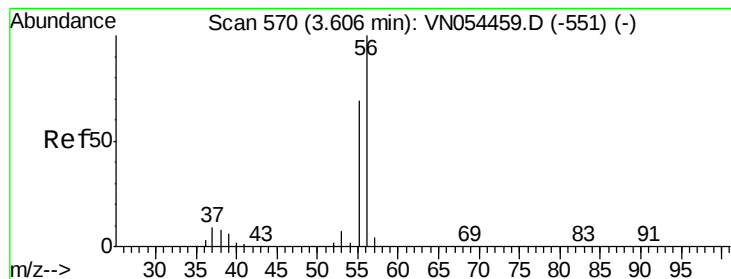
MMDadoda
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#12
1,1-Dichloroethene
Concen: 44.927 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion: 96 Resp: 236850
Ion Ratio Lower Upper
96 100
61 179.3 116.5 174.7#
98 63.6 51.0 76.4





#13

Acrolein

Concen: 211.357 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 120053

Ion Ratio Lower Upper

56 100

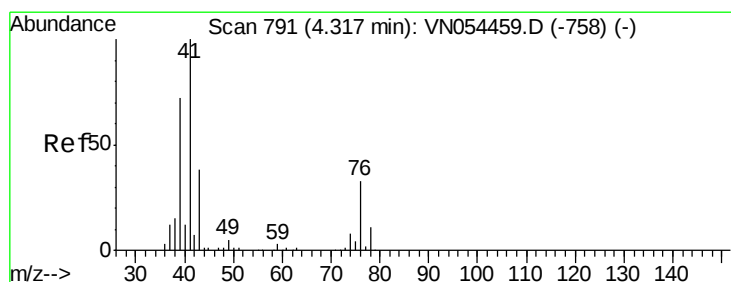
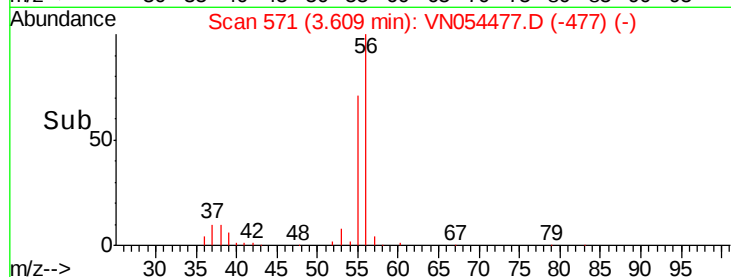
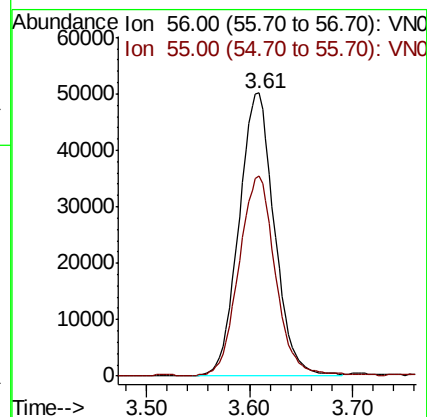
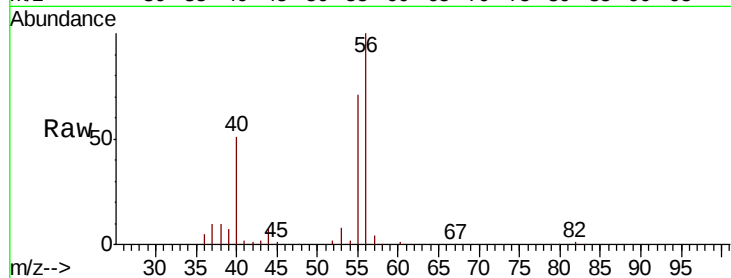
55 73.1 56.7 85.1

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#14

Allyl chloride

Concen: 50.918 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

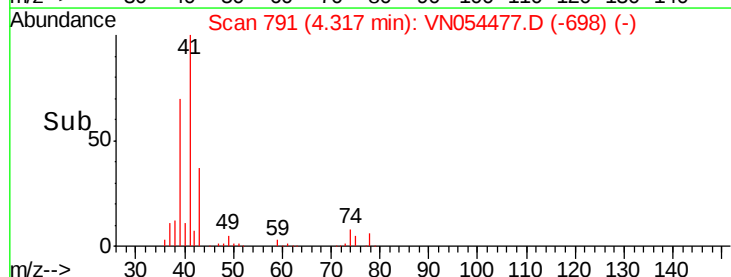
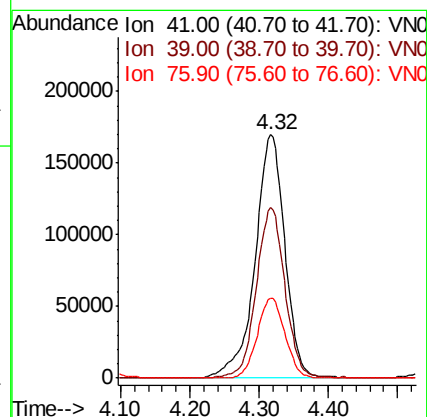
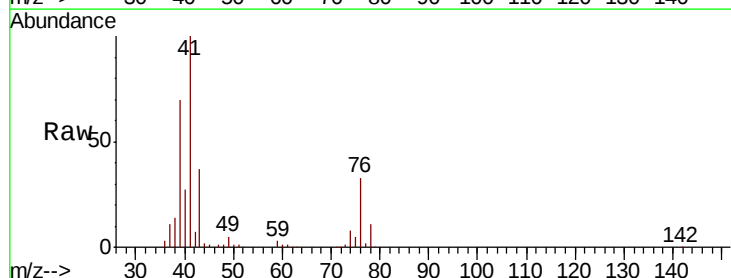
Tgt Ion: 41 Resp: 505484

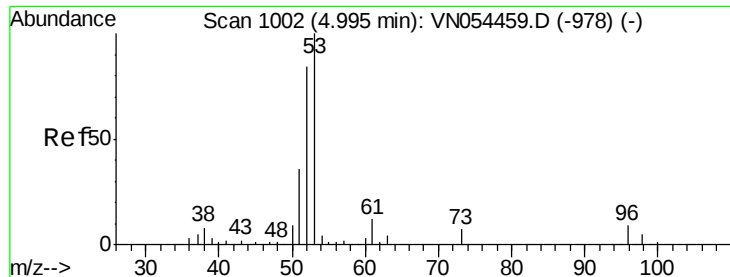
Ion Ratio Lower Upper

41 100

39 67.3 58.2 87.4

76 30.6 31.7 47.5#





#15

Acrylonitrile

Concen: 264.075 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

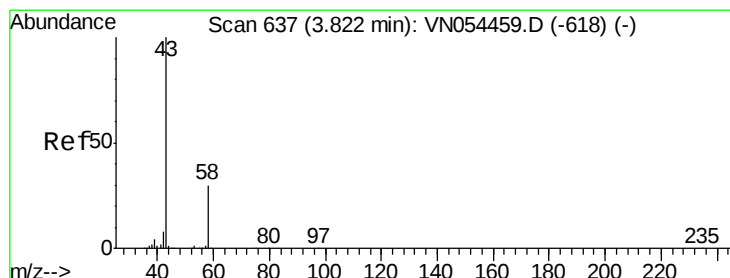
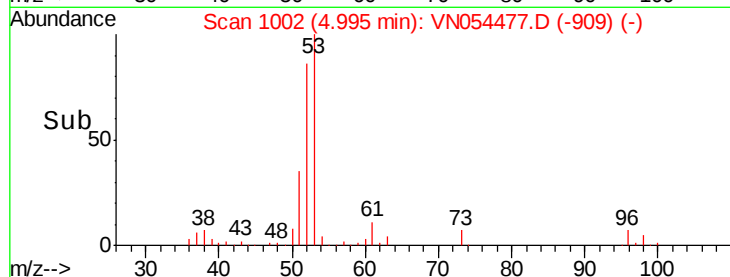
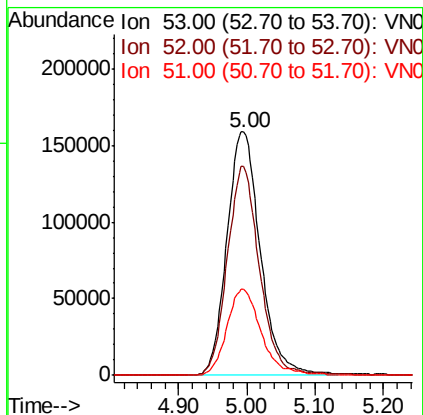
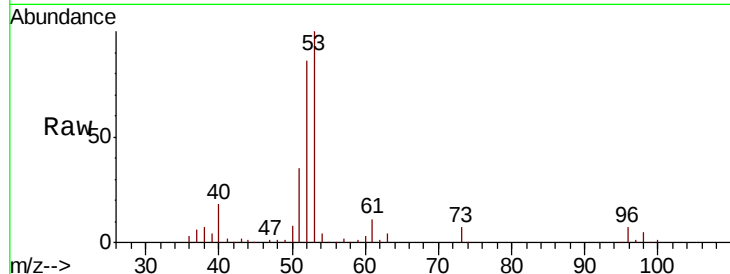
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	541280
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	36.3	29.6	44.4

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#16

Acetone

Concen: 180.538 ug/l

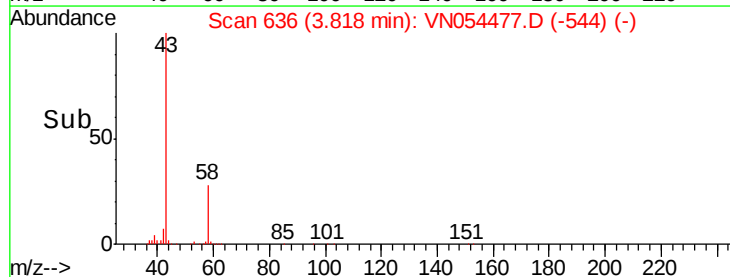
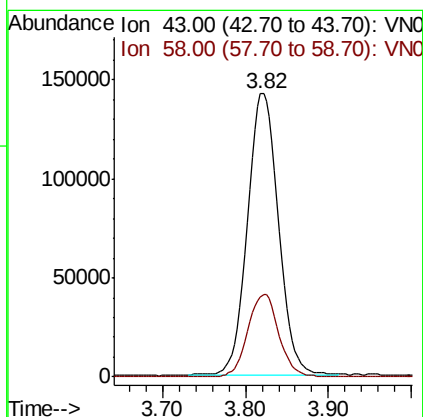
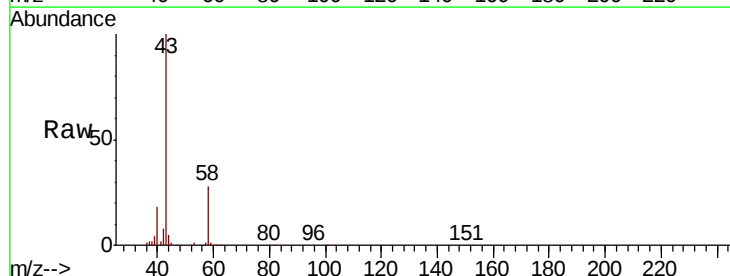
RT: 3.82 min Scan# 636

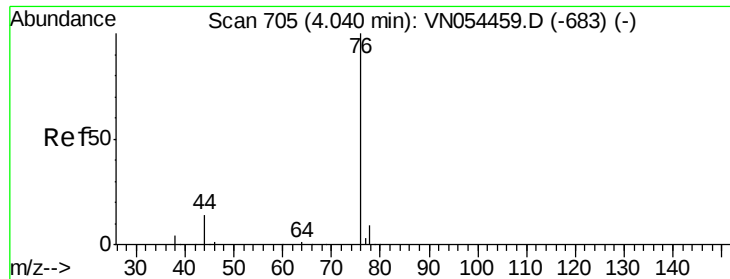
Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Tgt Ion:	43	Resp:	369016
Ion	Ratio	Lower	Upper
43	100		
58	28.1	29.9	44.9#





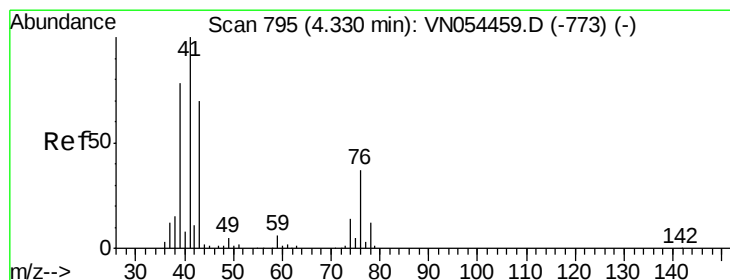
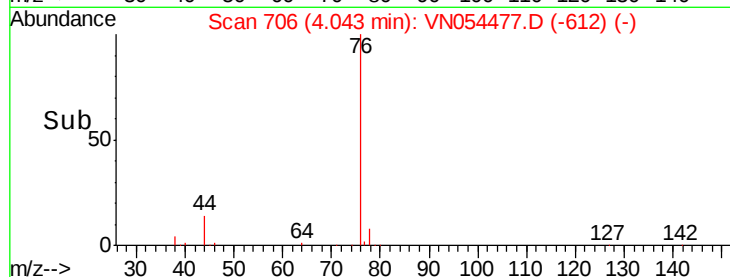
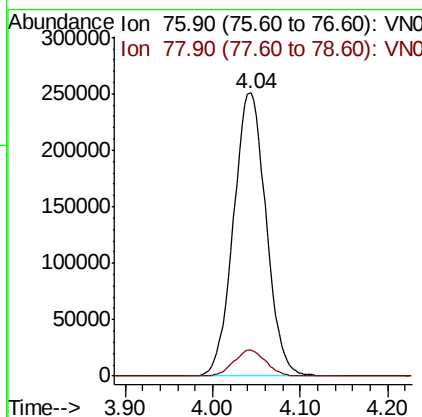
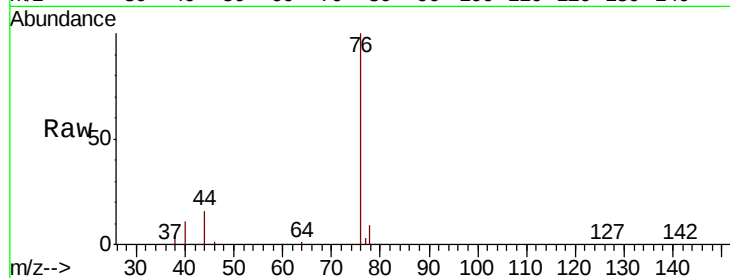
#17
Carbon Disulfide
Concen: 45.893 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

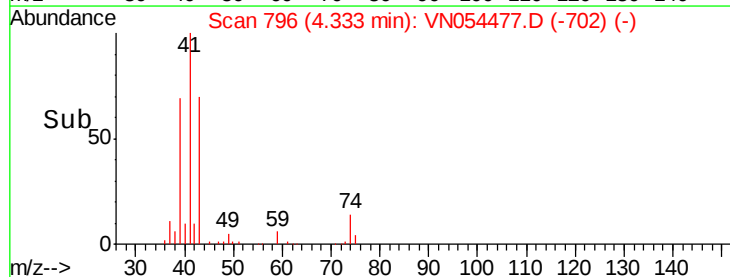
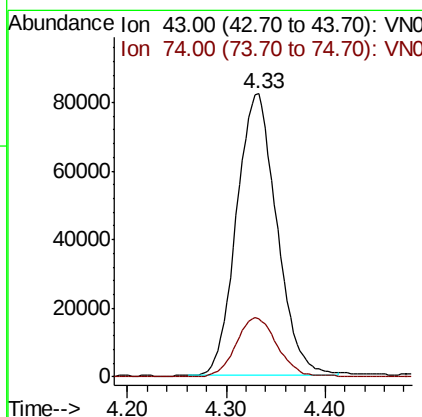
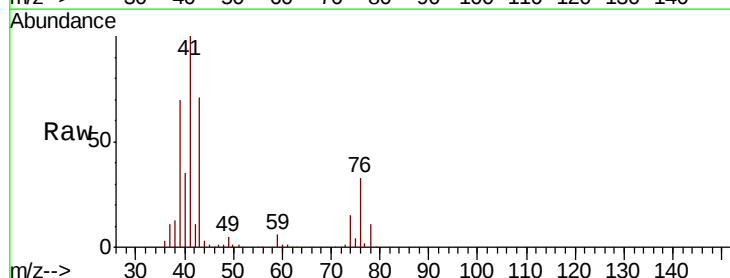
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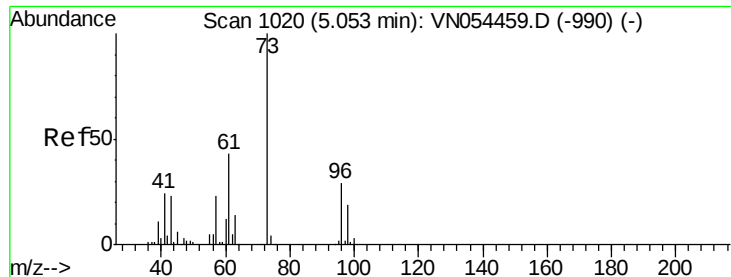
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#18
Methyl Acetate
Concen: 51.080 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	20.8	31.2





#19

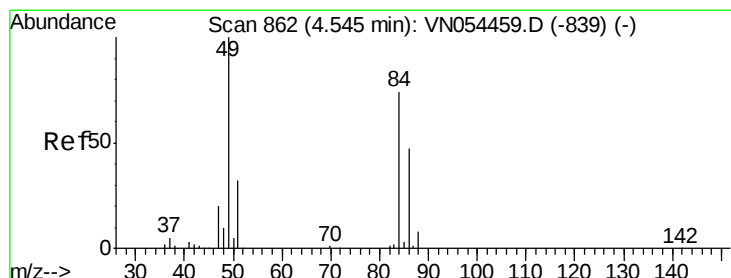
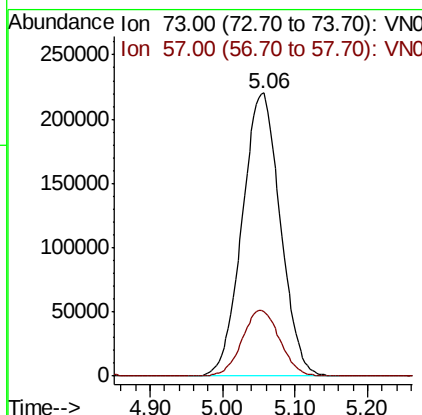
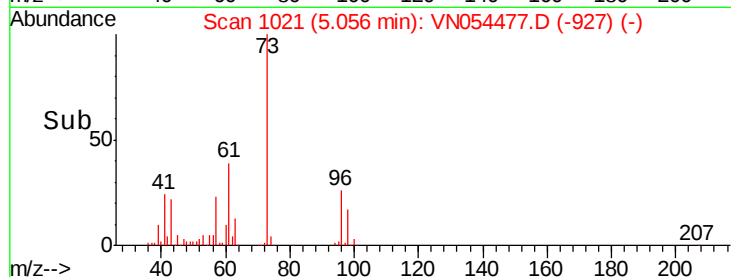
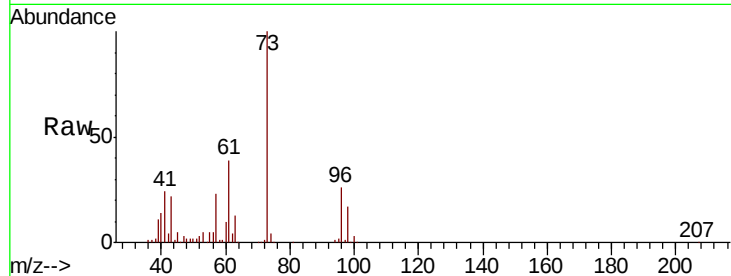
Methyl tert-butyl Ether
 Concen: 52.423 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 806571
 Ion Ratio Lower Upper
 73 100
 57 22.8 16.8 25.2

Manual Integrations
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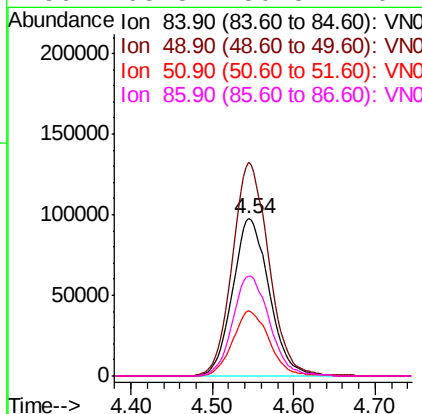
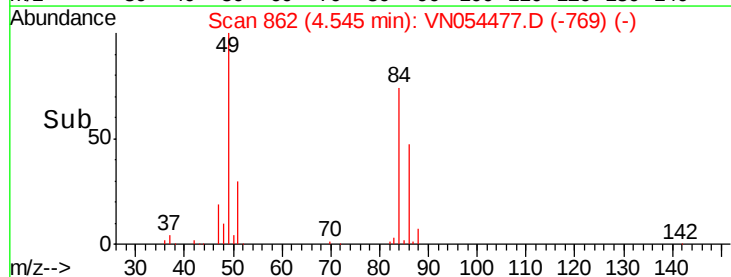
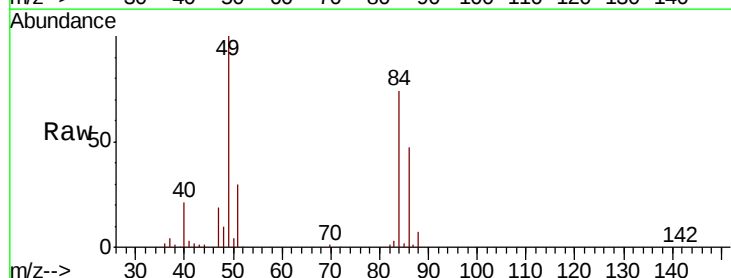
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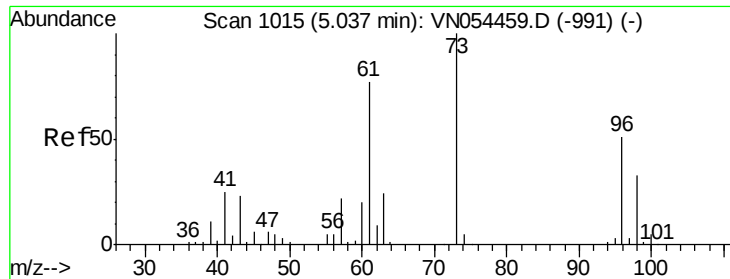


#20

Methylene Chloride
 Concen: 50.402 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Tgt Ion: 84 Resp: 303687
 Ion Ratio Lower Upper
 84 100
 49 135.9 89.7 134.5#
 51 41.3 28.2 42.4
 86 63.8 50.8 76.2





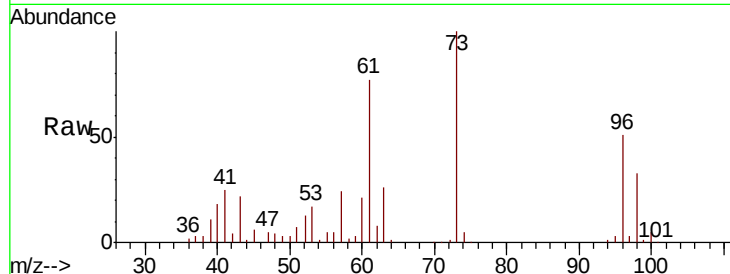
#21
trans-1,2-Dichloroethene
Concen: 52.599 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.3	102.8	154.2
98	64.9	50.0	75.0

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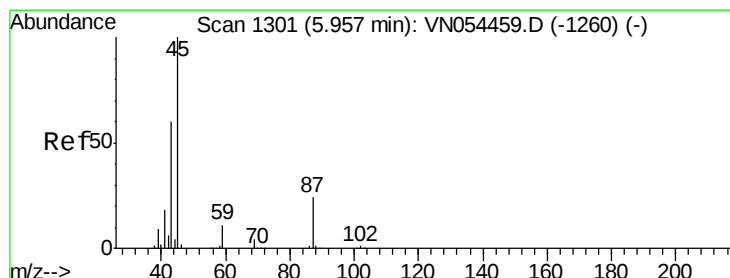
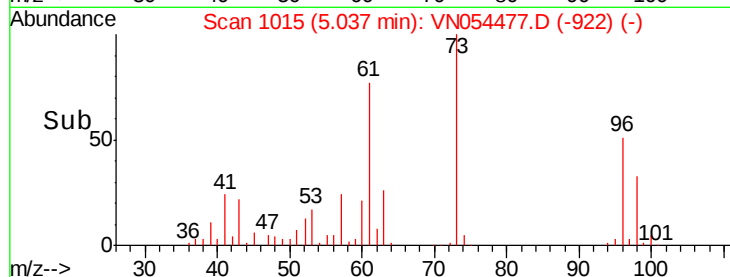
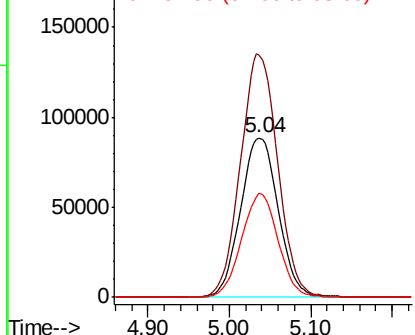


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 53.793 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.2	72.2
87	24.5	24.9	37.3
59	10.7	9.5	14.3

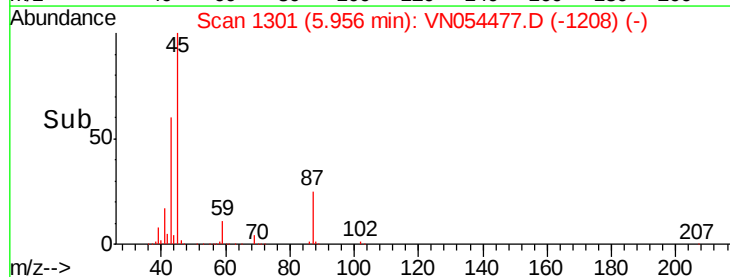
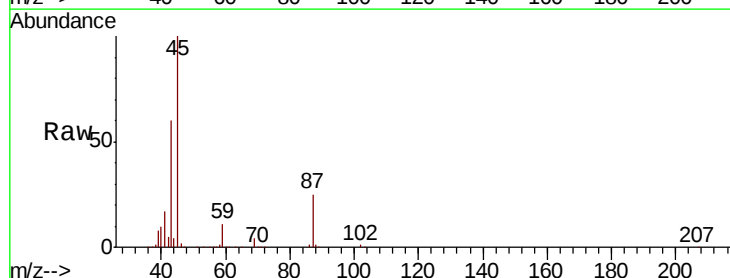
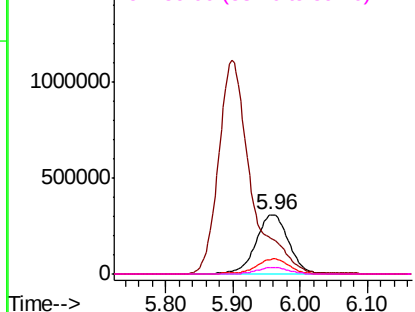
Abundance

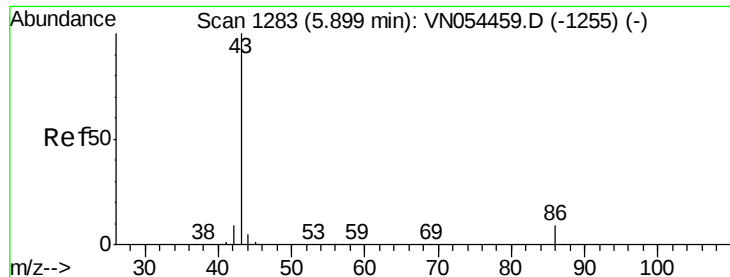
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





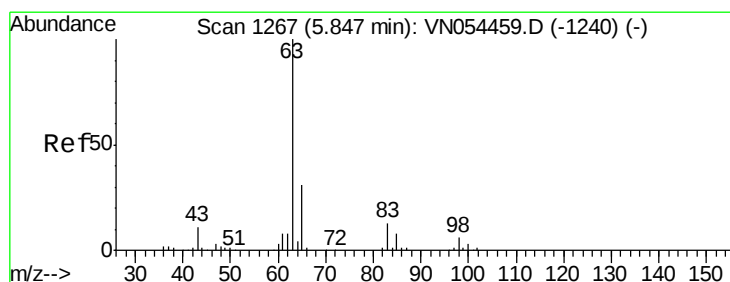
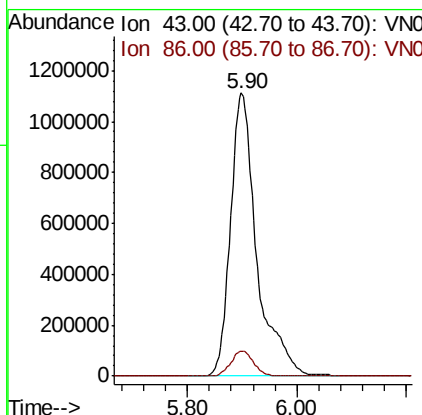
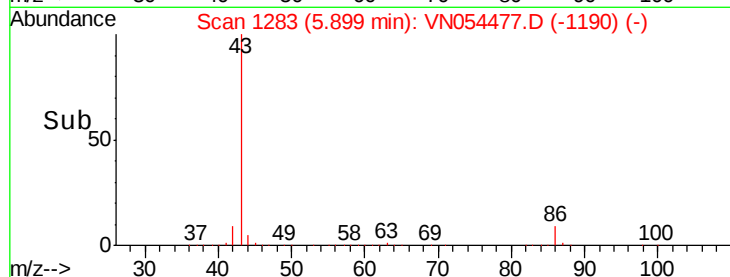
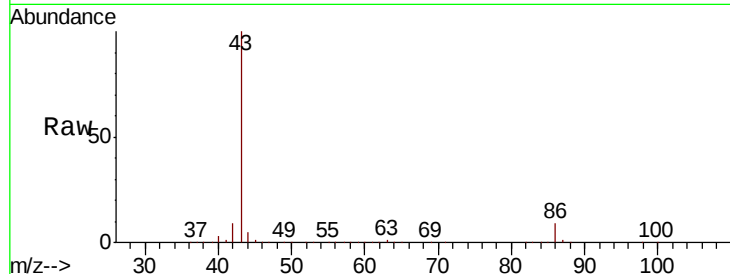
#23
 Vinyl Acetate
 Concen: 269.299 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3724357
 Ion Ratio Lower Upper
 43 100
 86 9.0 9.1 13.7#

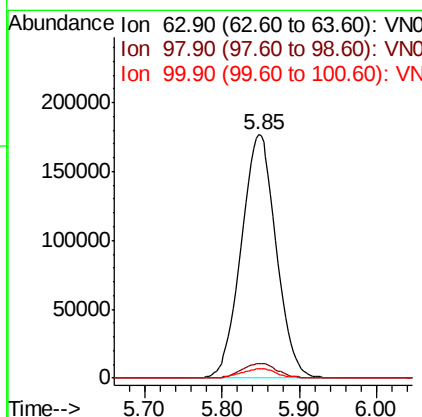
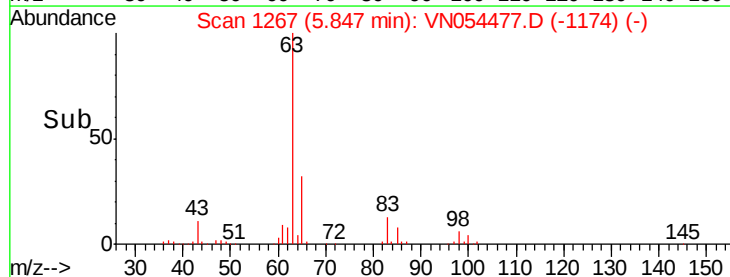
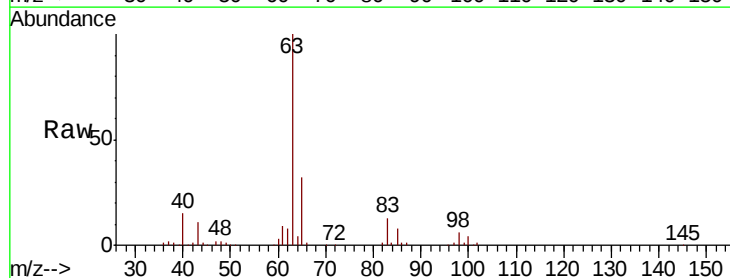
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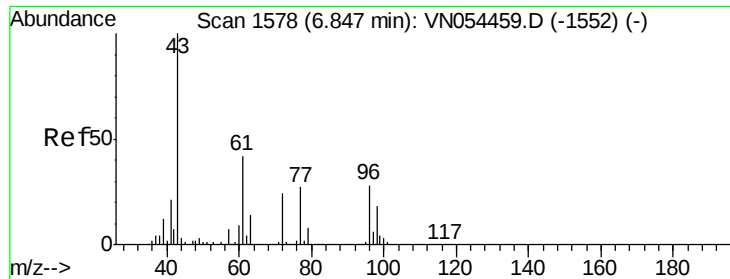
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 52.606 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Tgt Ion: 63 Resp: 554643
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 250.309 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 655392

Ion Ratio Lower Upper

43 100

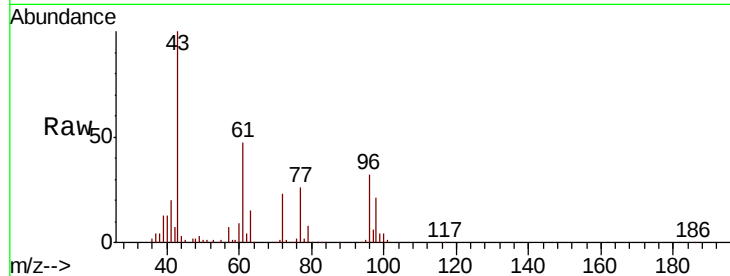
72 23.3 23.0 34.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

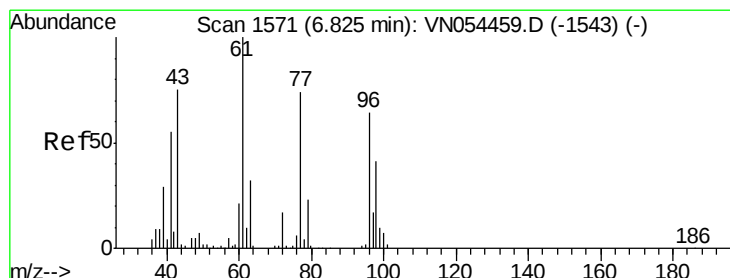
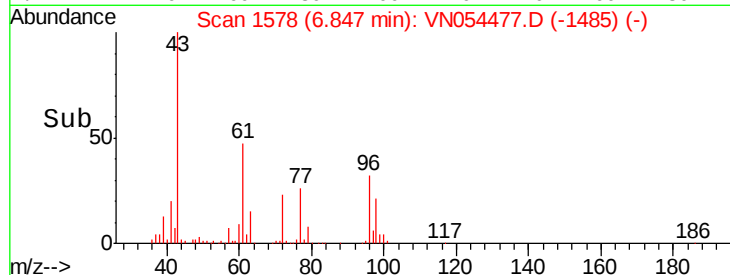
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 44.483 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054477.D

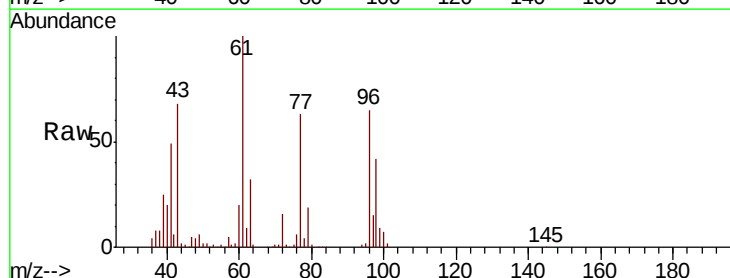
Acq: 20 Mar 2019 21:29

Tgt Ion: 77 Resp: 334323

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

120000

100000

80000

60000

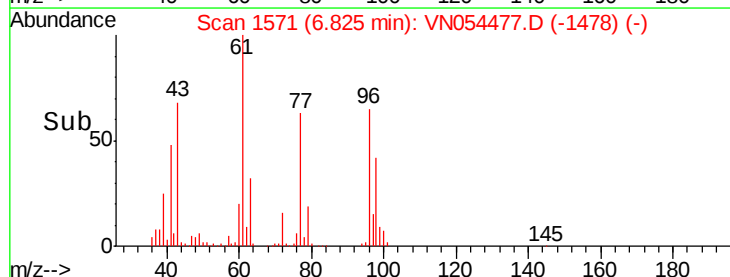
40000

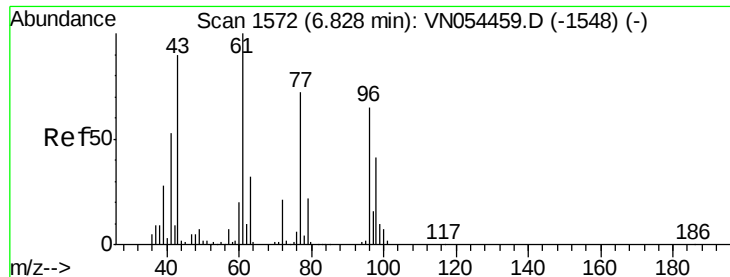
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.123 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

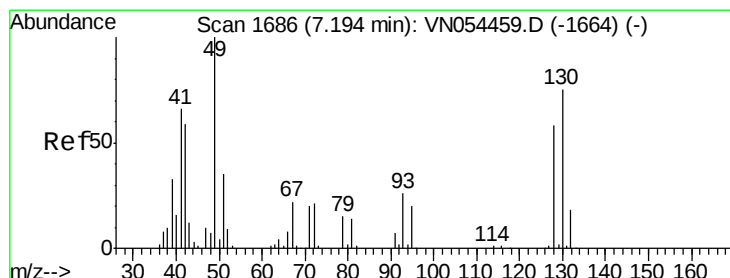
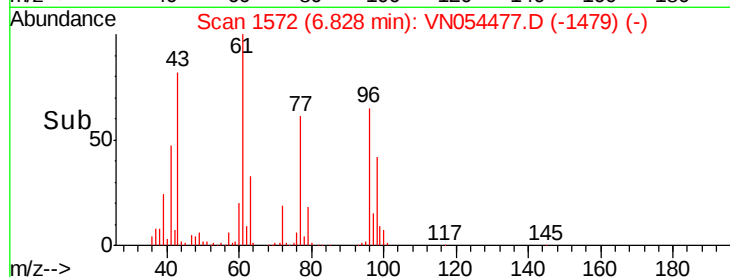
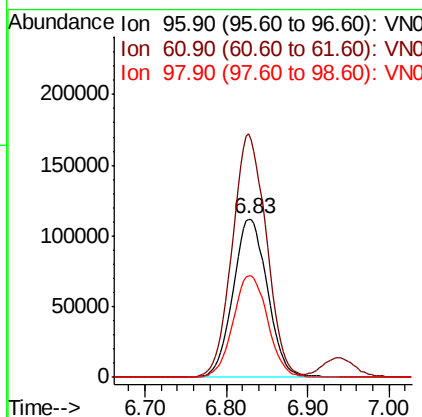
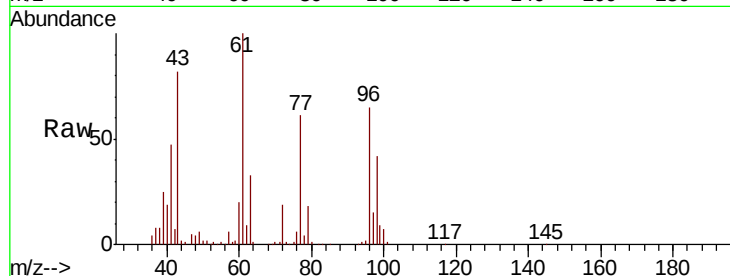
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	328261
Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	273.0
98	64.3	0.0	130.6

Manual Integrations
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3/22/2019 3:48:40 PM



#28

Bromochloromethane

Concen: 53.459 ug/l

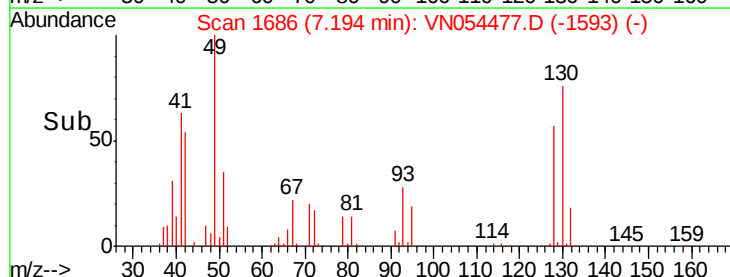
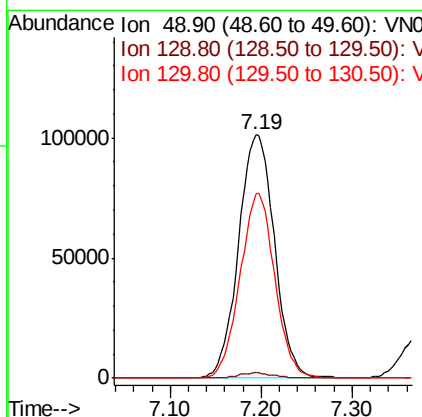
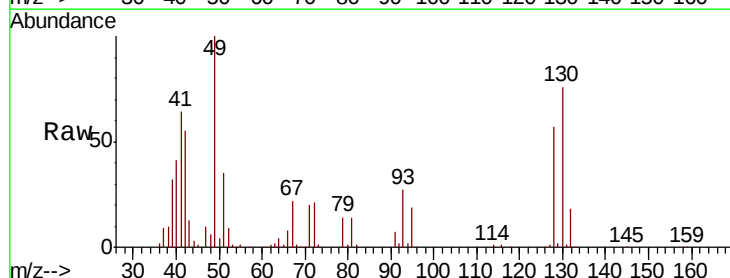
RT: 7.19 min Scan# 1686

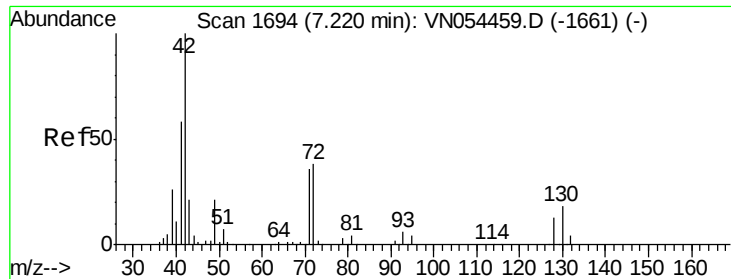
Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Tgt Ion:	49	Resp:	277433
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	73.4	76.7	115.1#





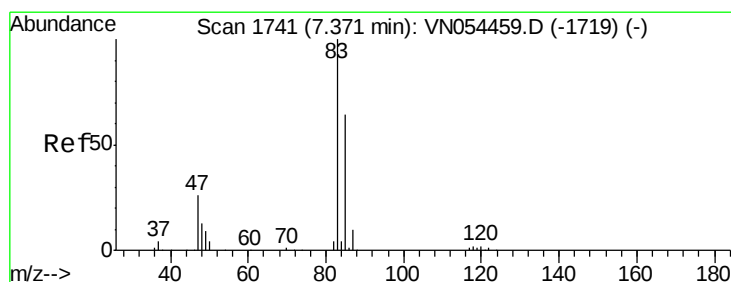
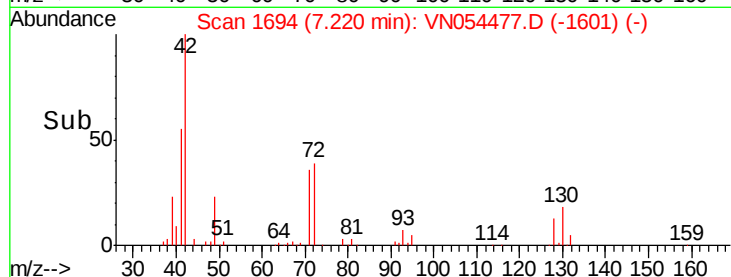
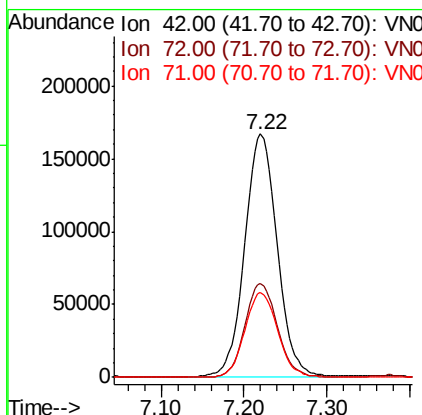
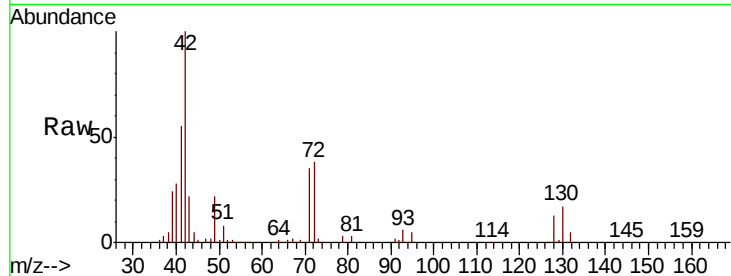
#29
Tetrahydrofuran
Concen: 267.367 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	37.8	56.6
71	35.4	36.2	54.2#

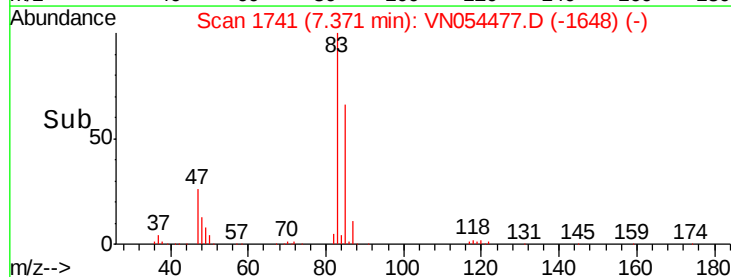
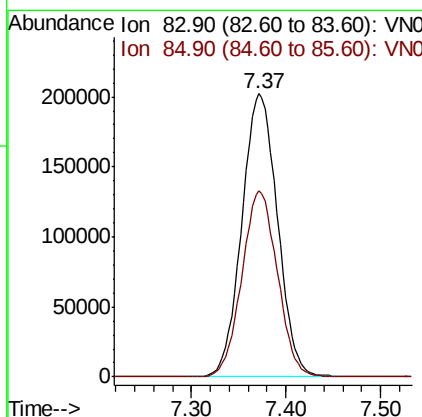
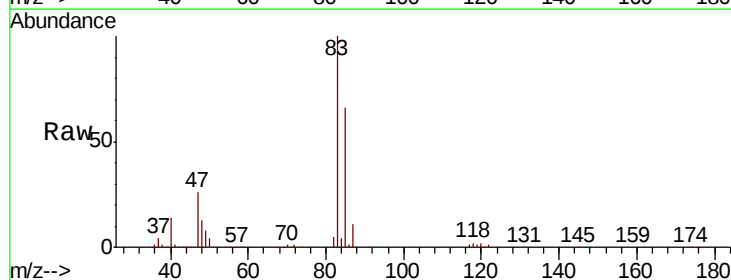
Manual Integrations
APPROVED

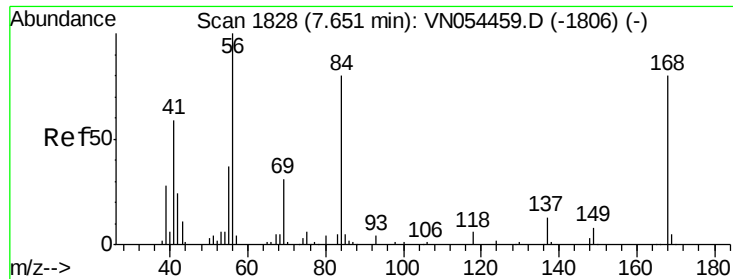
MMDadoda
3/22/2019 3:48:40 PM



#30
Chloroform
Concen: 51.468 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.2	78.4





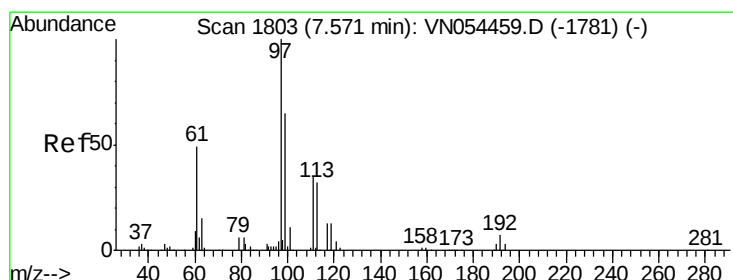
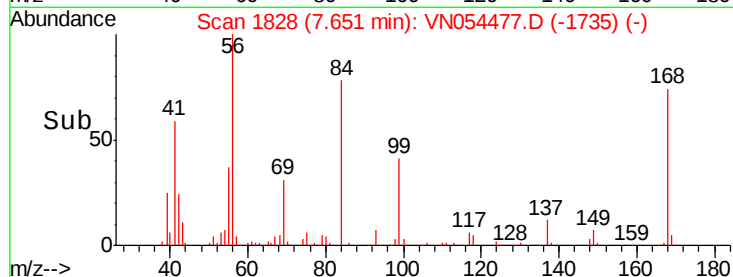
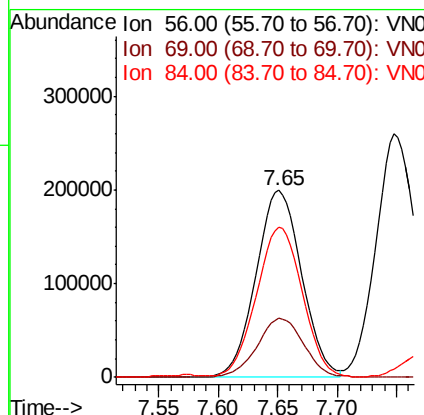
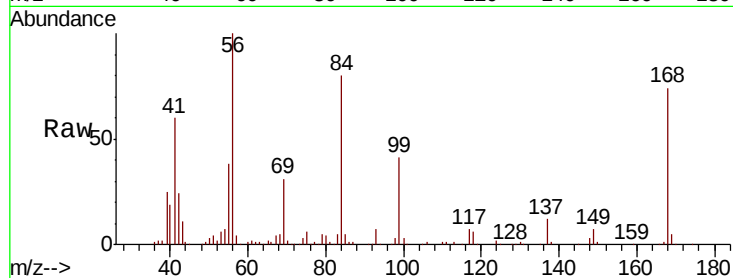
#31
Cyclohexane
Concen: 52.634 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	27.8	41.6
84	79.0	74.6	111.8

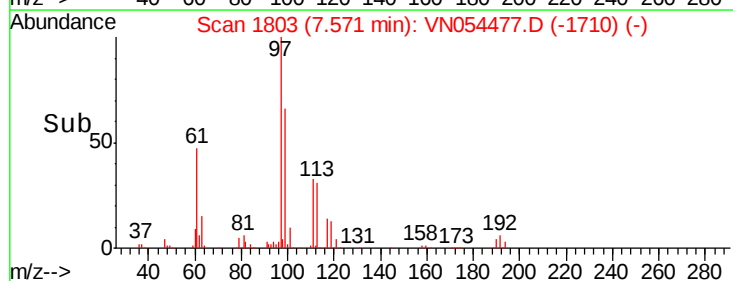
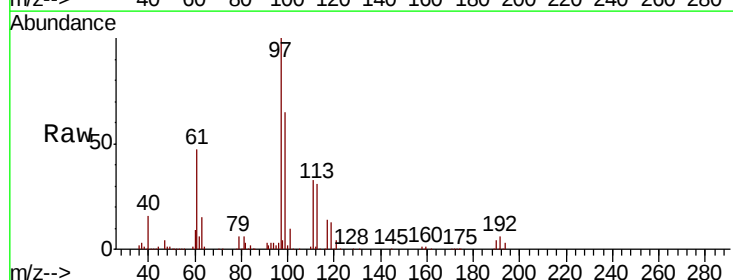
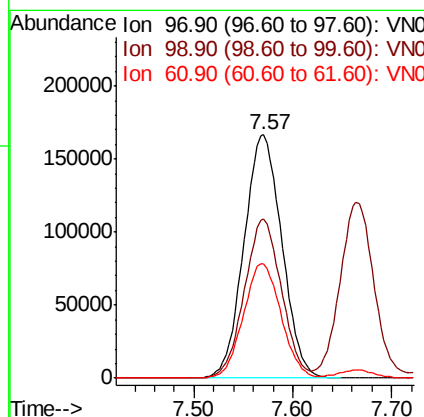
Manual Integrations
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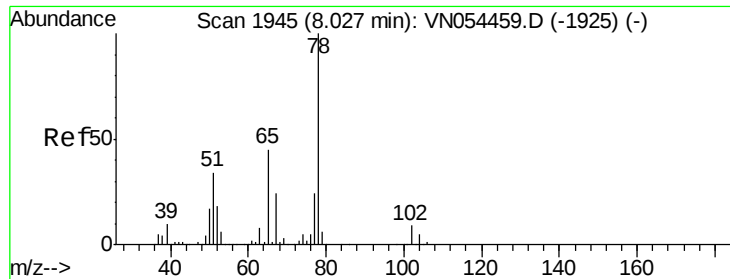
MMDadoda
3/22/2019 3:48:40 PM



#32
1,1,1-Trichloroethane
Concen: 52.188 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	46.7	33.6	50.4





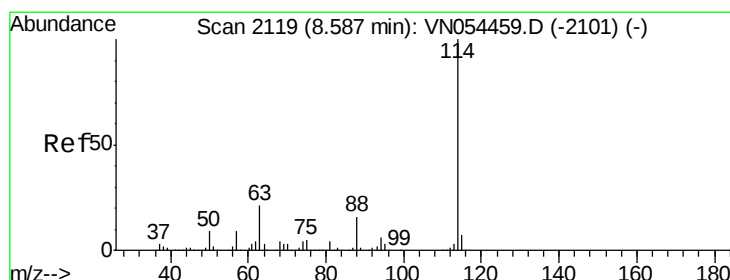
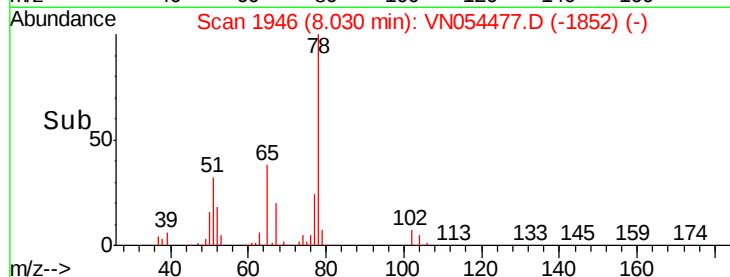
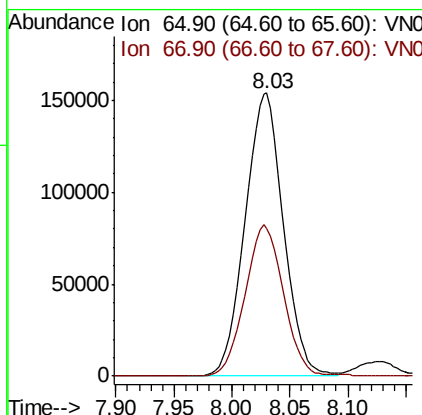
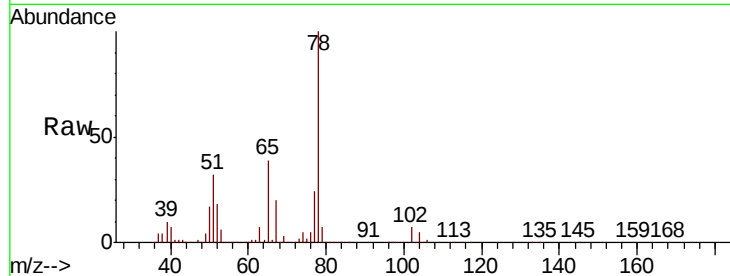
#33
 1,2-Dichloroethane-d4
 Concen: 52.016 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	353635		
67	53.9	0.0	104.6	

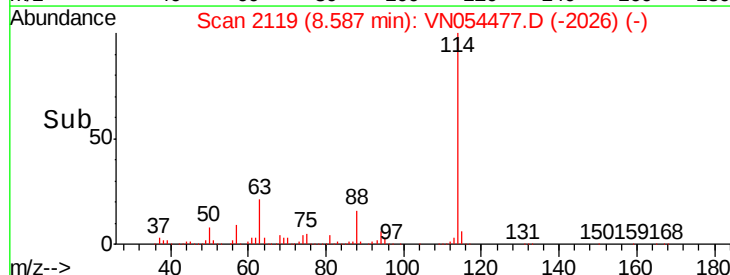
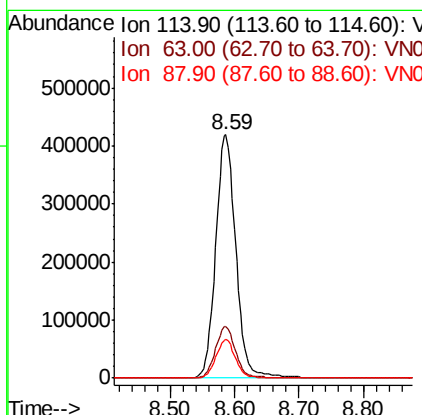
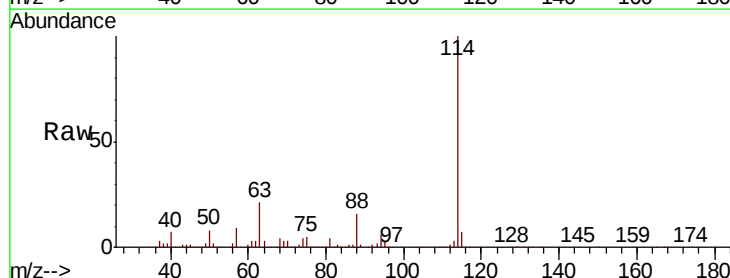
Manual Integrations
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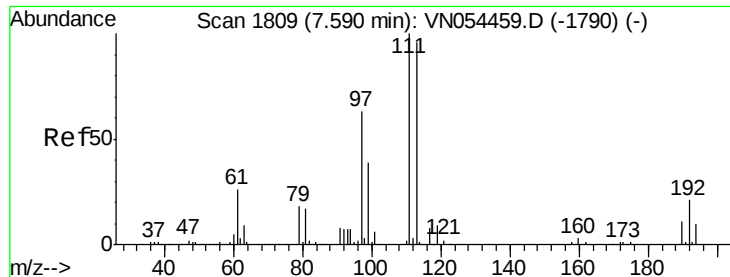
MMDadoda
 3/22/2019 3:48:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	907347		
63	21.3	0.0	35.2	
88	15.9	0.0	30.2	





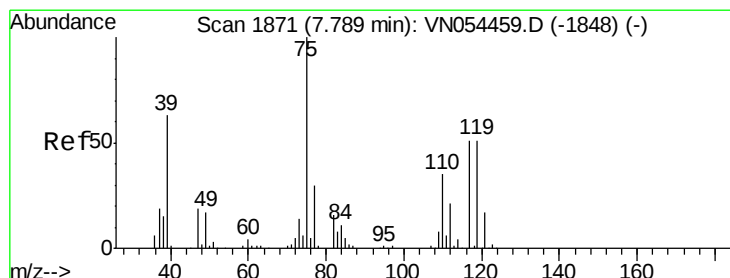
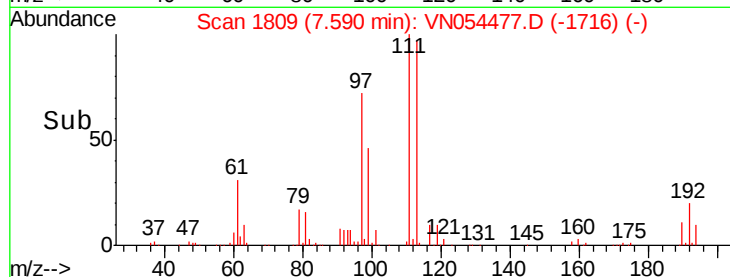
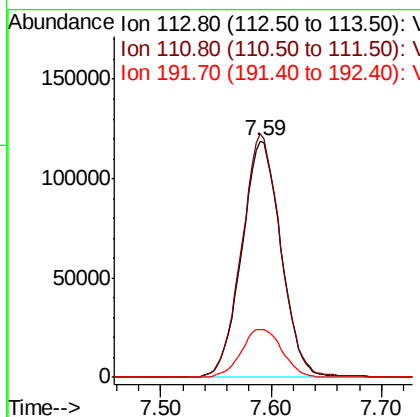
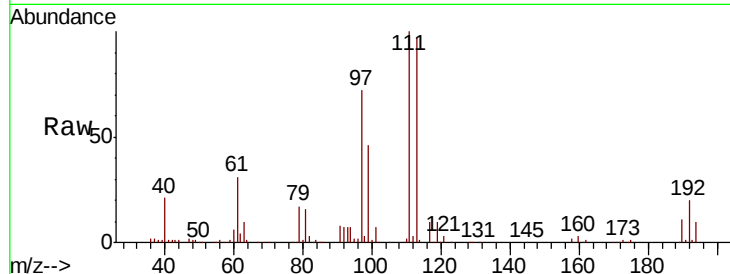
#35
Dibromofluoromethane
Concen: 49.992 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	292231		
111	102.3	82.2	123.4	
192	21.2	19.2	28.8	

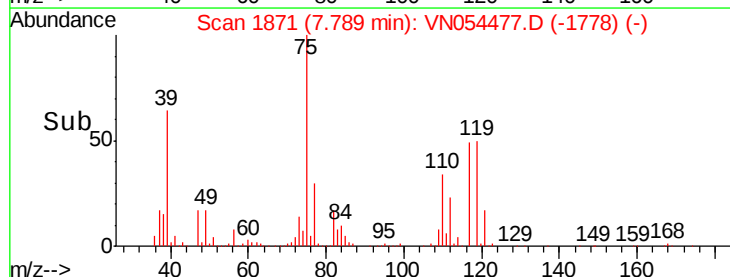
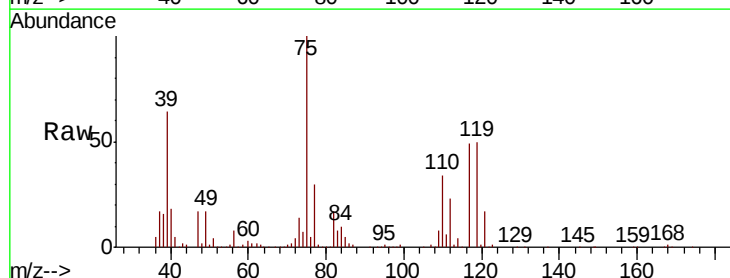
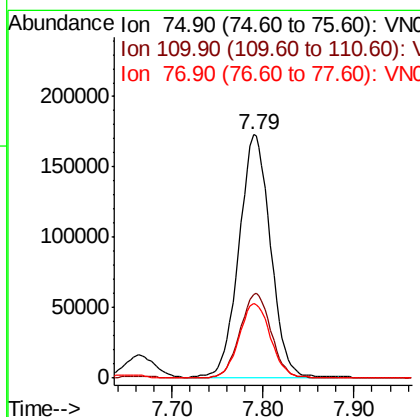
Manual Integrations
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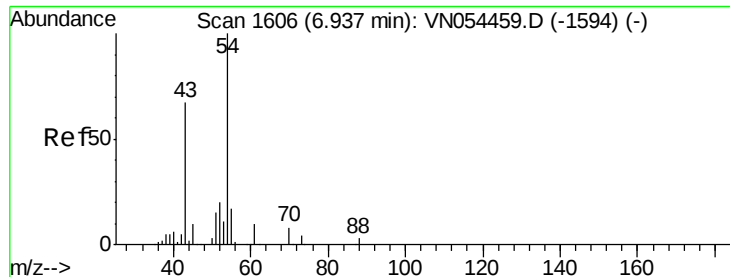
MMDadoda
3/22/2019 3:48:40 PM



#36
1,1-Dichloropropene
Concen: 48.811 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	414101		
110	34.6	19.1	57.5	
77	31.1	25.0	37.4	





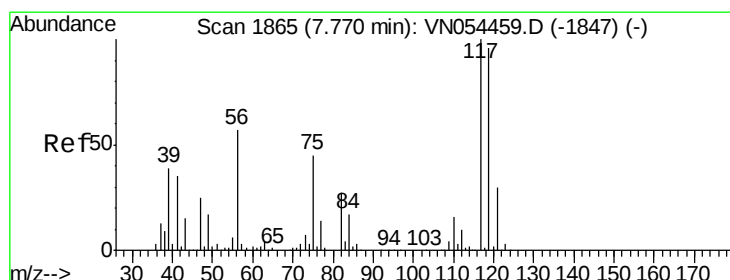
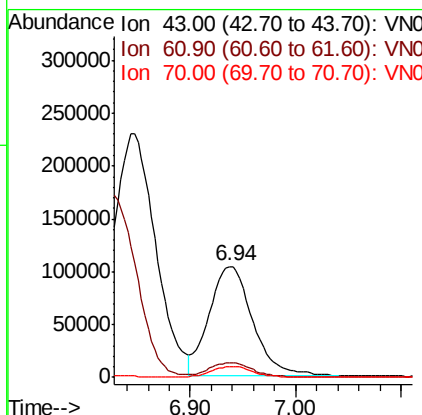
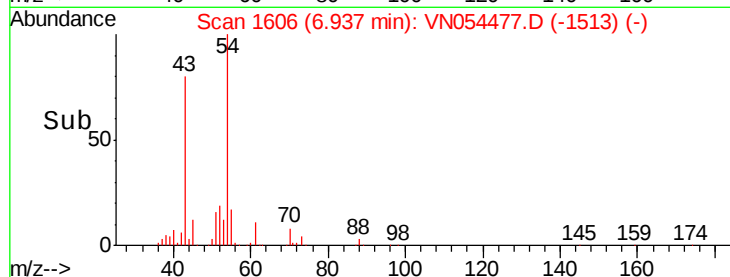
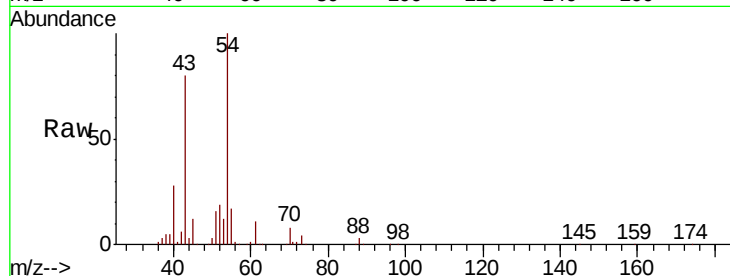
#37
Ethyl Acetate
Concen: 49.235 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.8	17.6
70	9.6	8.4	12.6

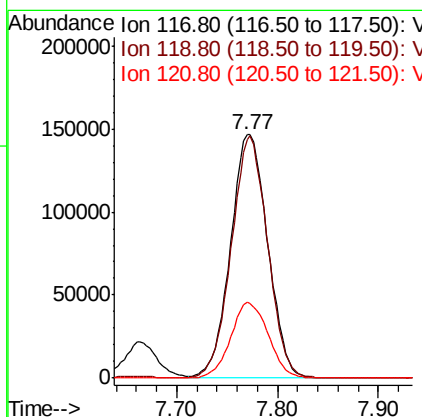
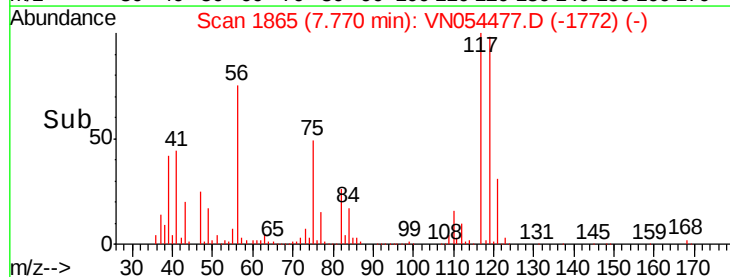
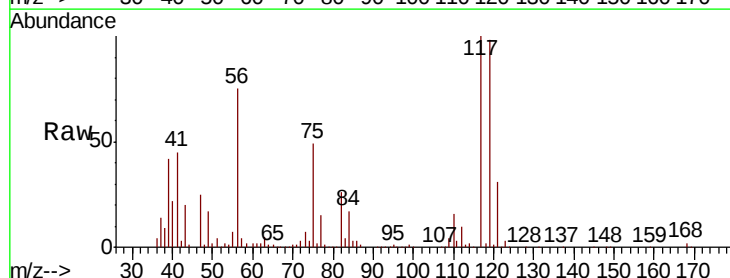
Manual Integrations
APPROVED

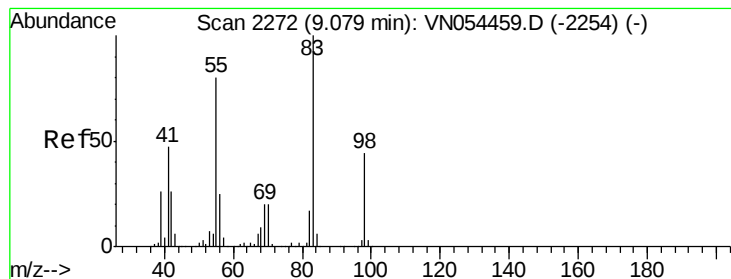
MMDadoda
3/22/2019 3:48:40 PM



#38
Carbon Tetrachloride
Concen: 45.319 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.3	114.5
121	31.2	24.6	36.8





#39

Methvlcvclohexane

Concen: 46.232 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 448662

Ion Ratio Lower Upper

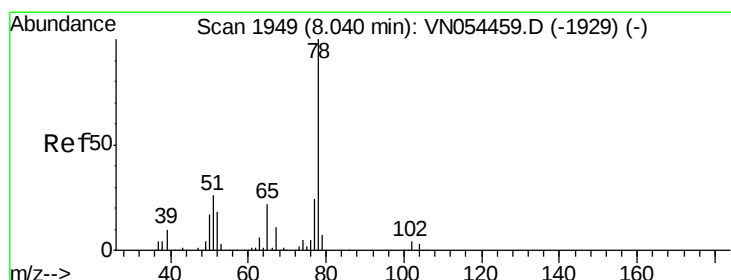
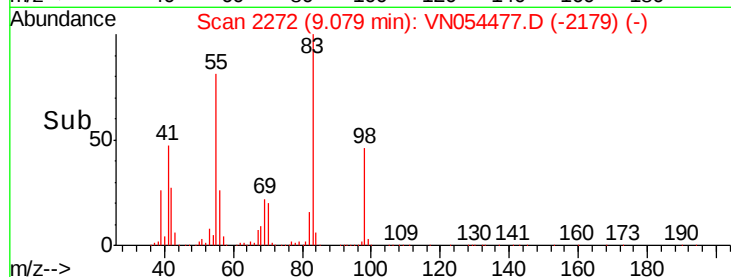
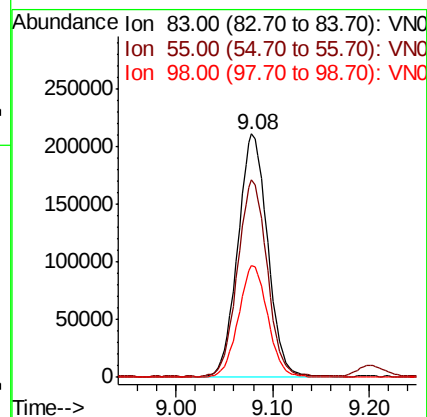
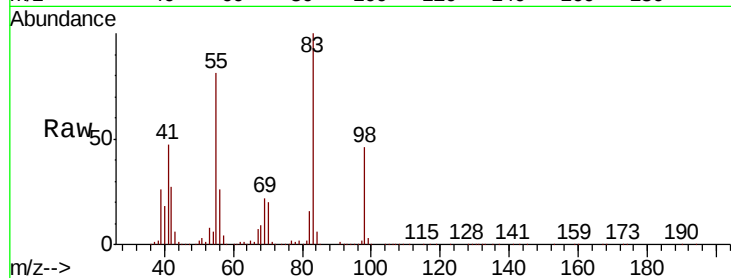
83 100

55 80.8 56.6 84.8

98 46.2 38.4 57.6

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:48:40 PM



#40

Benzene

Concen: 50.243 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054477.D

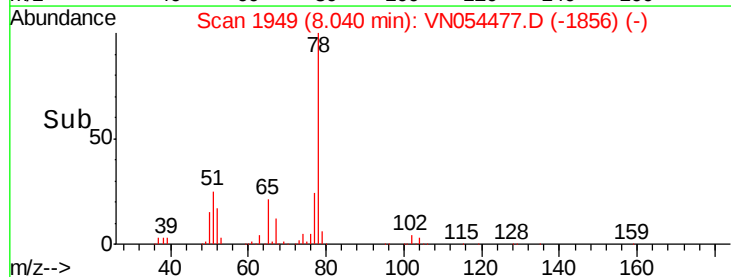
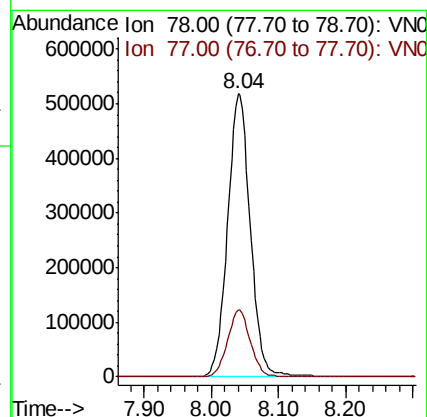
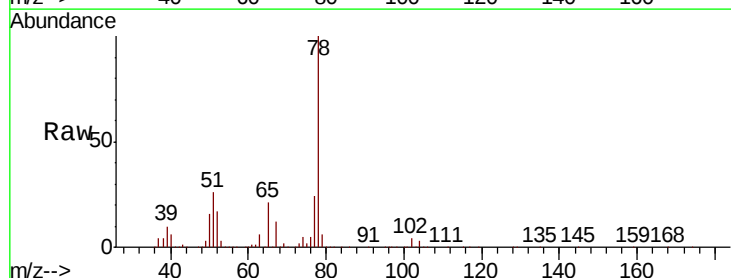
Acq: 20 Mar 2019 21:29

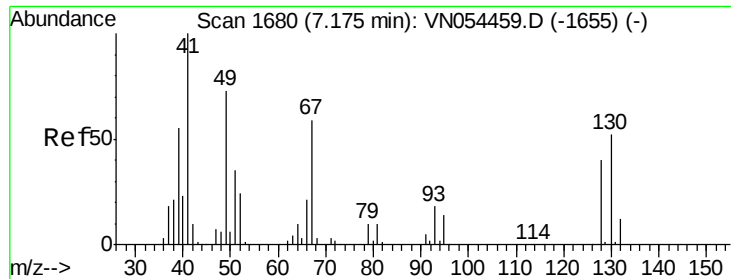
Tgt Ion: 78 Resp: 1218894

Ion Ratio Lower Upper

78 100

77 23.9 19.1 28.7





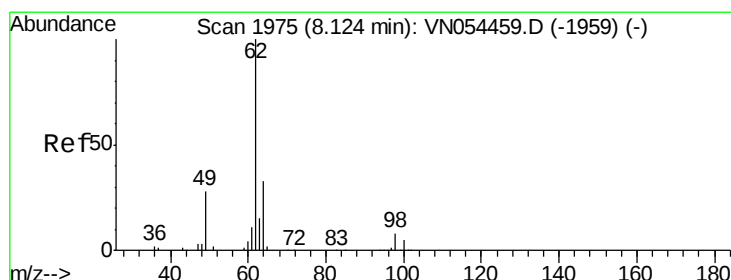
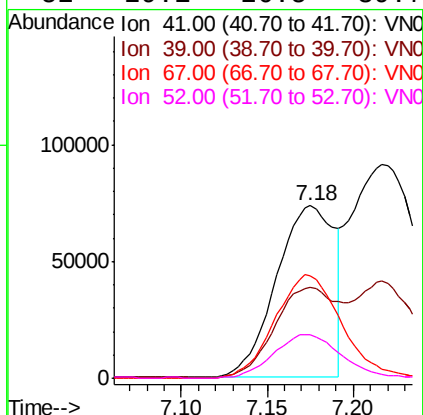
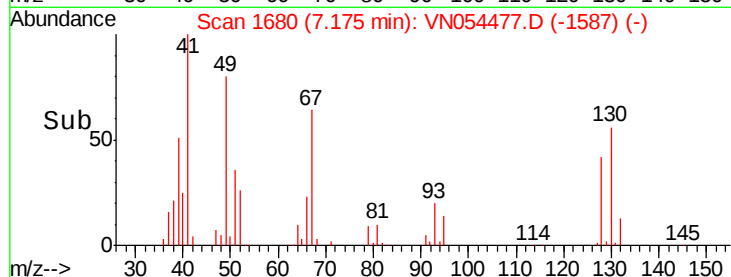
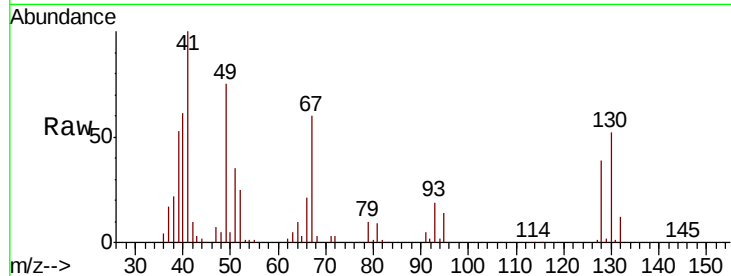
#41
Methacrylonitrile
Concen: 46.953 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	172780
Ion	Ratio	Lower	Upper
41	100		
39	60.2	46.8	70.2
67	70.0	67.0	100.4
52	29.1	26.5	39.7

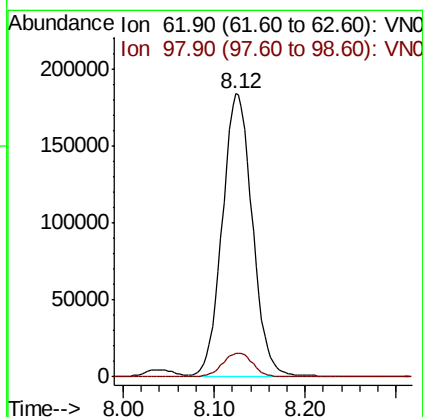
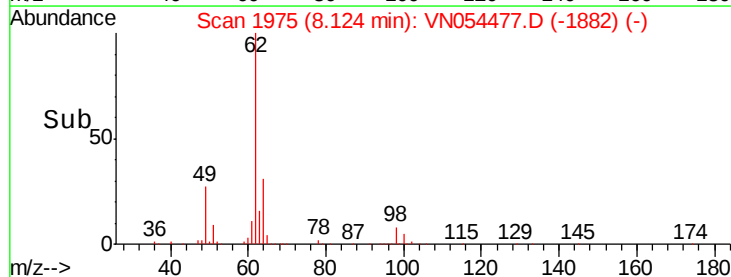
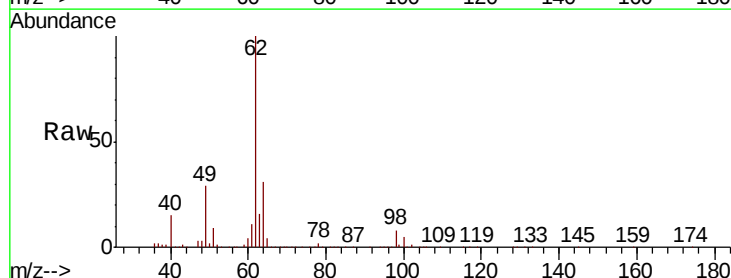
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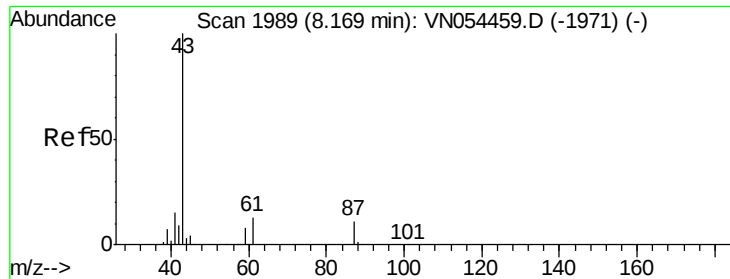
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.858 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	62	Resp	422821
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.4





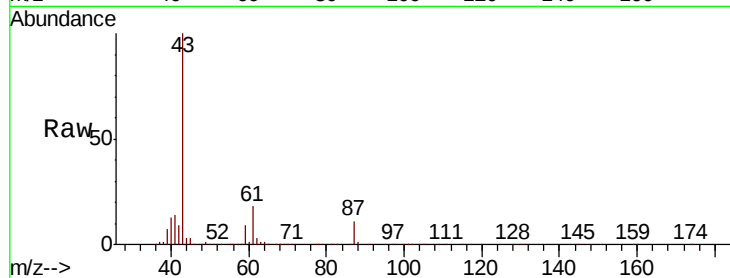
#43
Isopropyl Acetate
Concen: 51.052 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

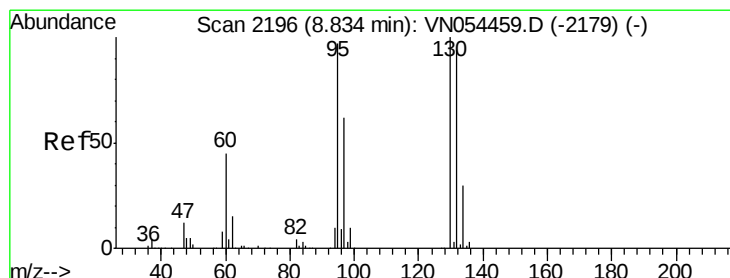
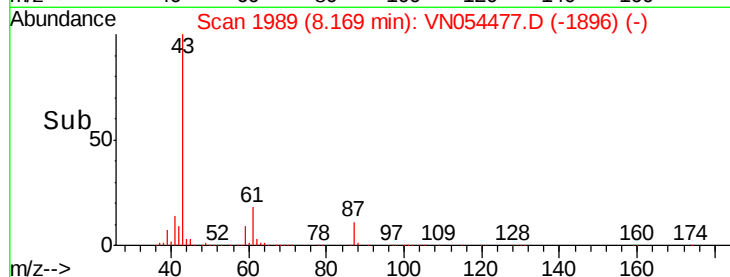
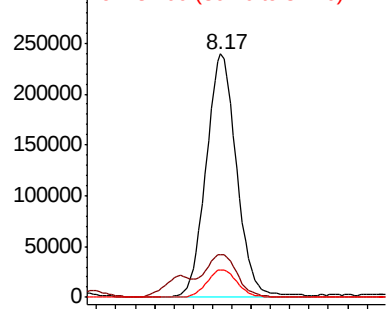
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.8	23.8
87	11.4	12.0	18.0

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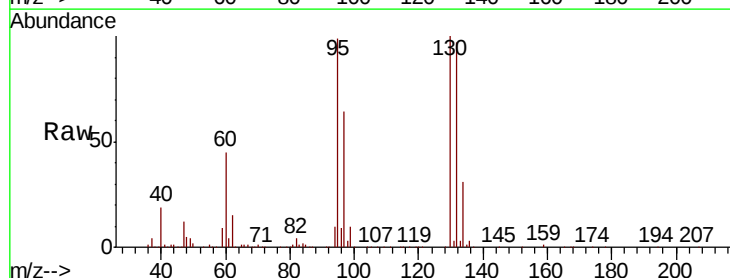


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)
Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)
Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)

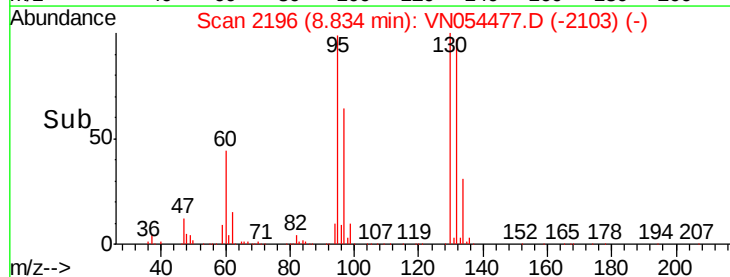
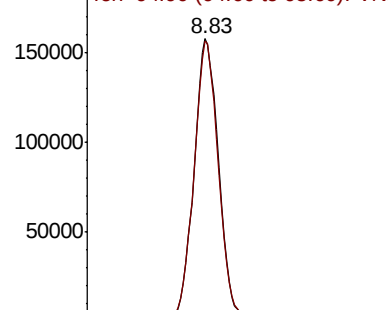


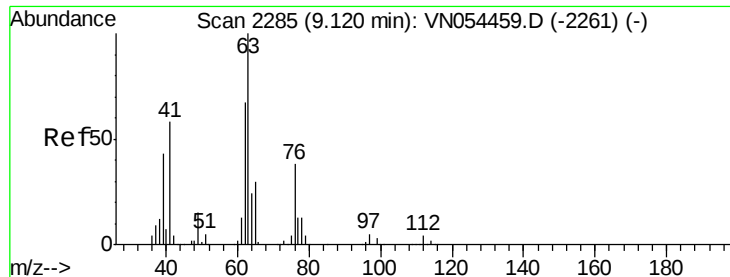
#44
Trichloroethene
Concen: 48.427 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)
Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 52.032 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 338947

Ion Ratio Lower Upper

63 100

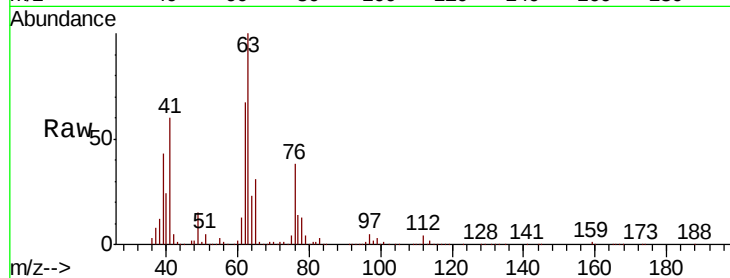
65 31.3 25.0 37.6

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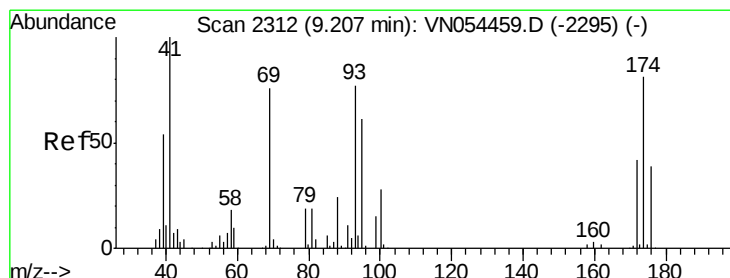
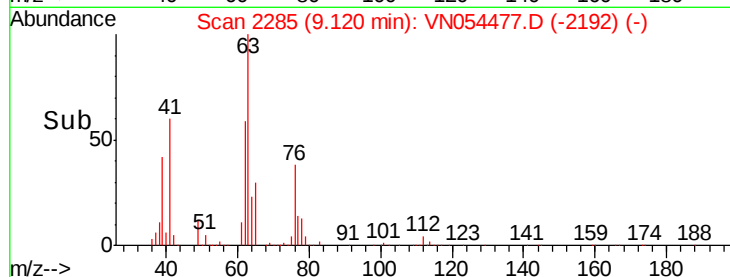
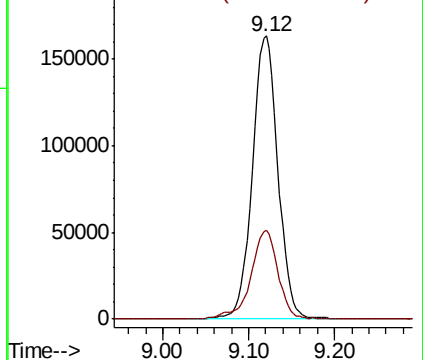
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.493 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

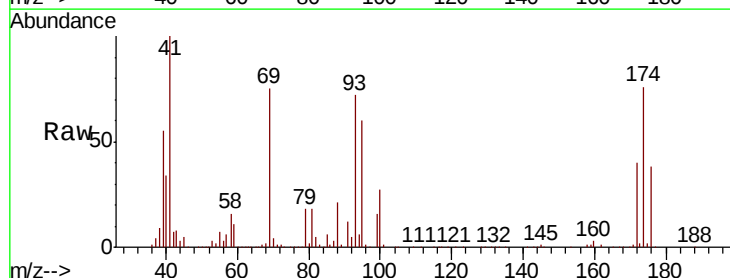
Tgt Ion: 93 Resp: 188456

Ion Ratio Lower Upper

93 100

95 83.2 66.7 100.1

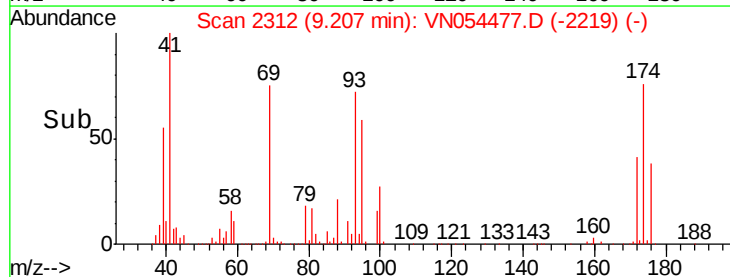
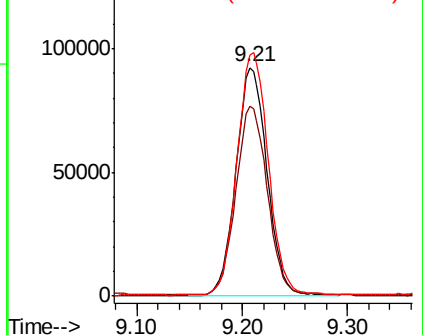
174 106.4 98.5 147.7

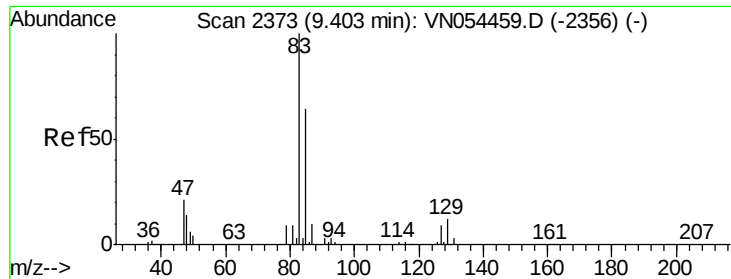


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.233 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

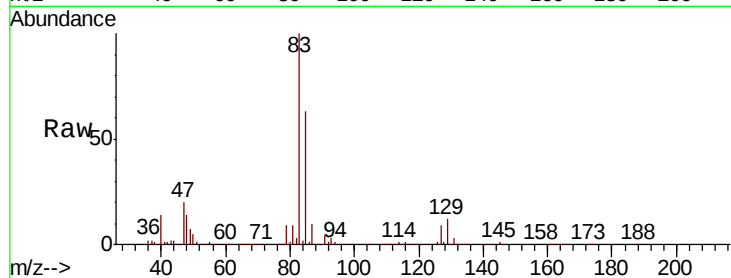
ClientSampleId :

VSTDCCC050EC

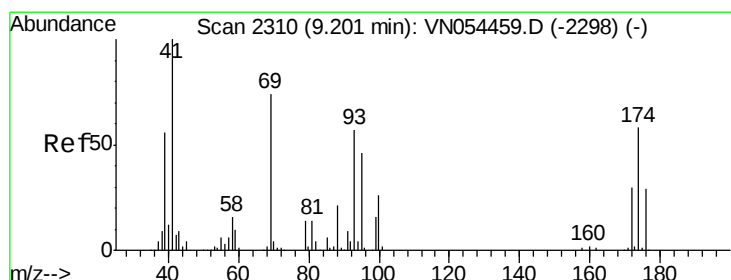
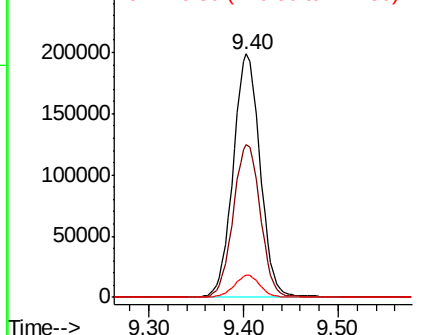
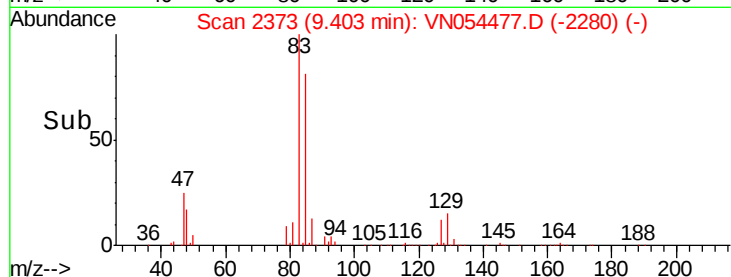
Tot Ion:	83	Resp:	389014
Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.8	79.2
127	9.1	7.4	11.2

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Abundance Ion 82.90 (82.60 to 83.60): VN054477.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.269 ug/l

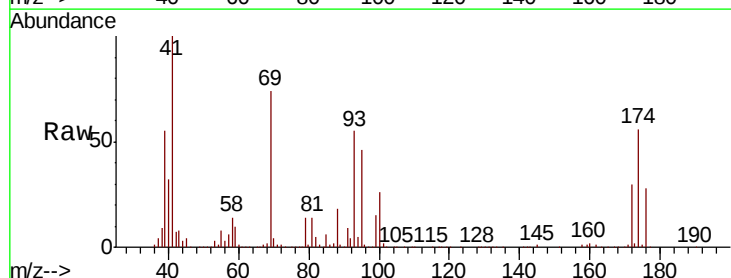
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

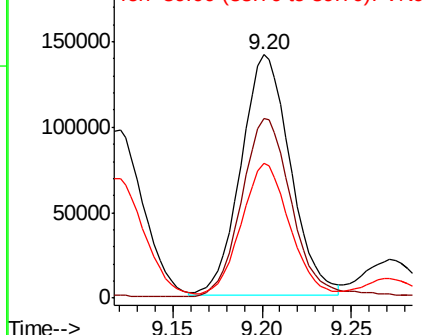
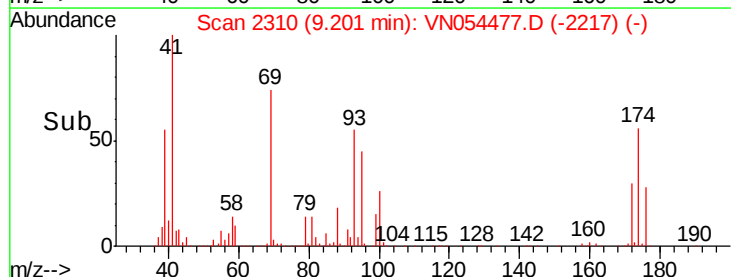
Lab File: VN054477.D

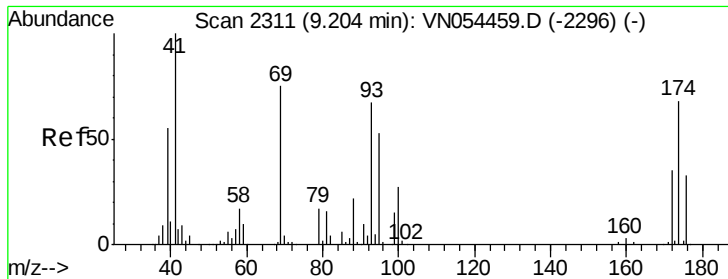
Acq: 20 Mar 2019 21:29

Tgt Ion:	41	Resp:	272505
Ion	Ratio	Lower	Upper
41	100		
69	76.0	72.6	108.8
39	54.8	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054477.D (-2217) (-)





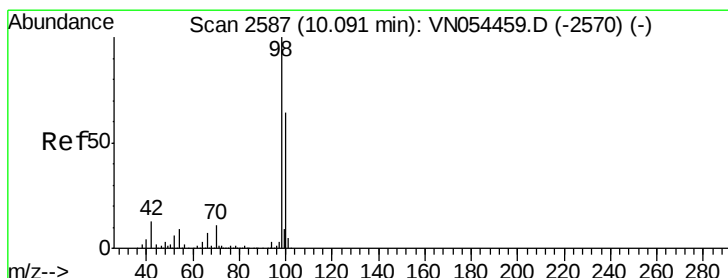
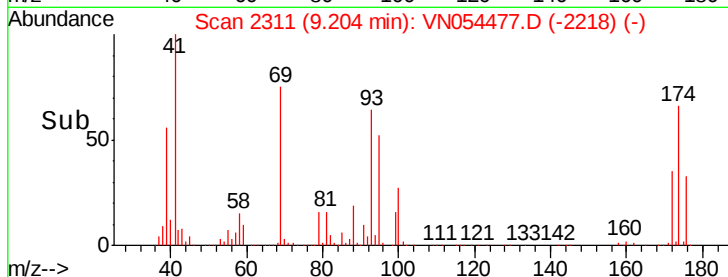
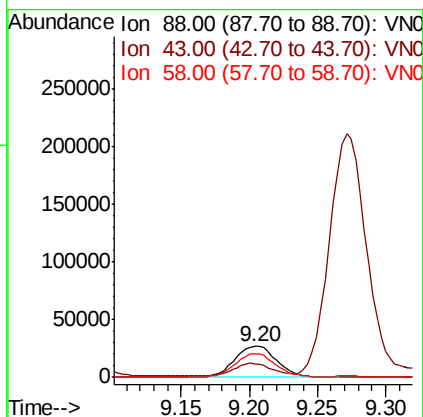
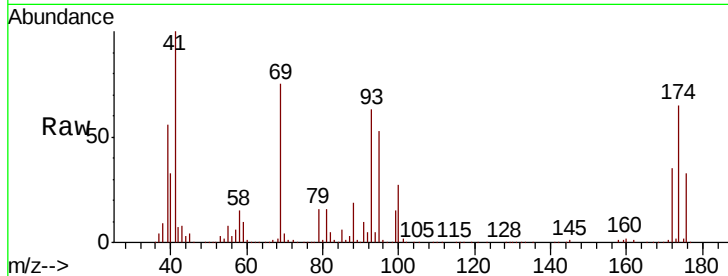
#49
1,4-Dioxane
Concen: 940.525 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	58156
Ion	Ratio	Lower	Upper
88	100		
43	38.0	24.1	36.1#
58	74.0	50.8	76.2

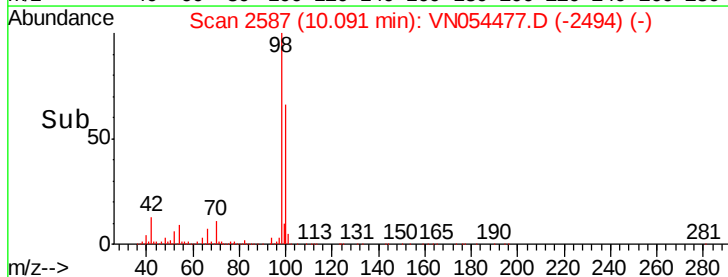
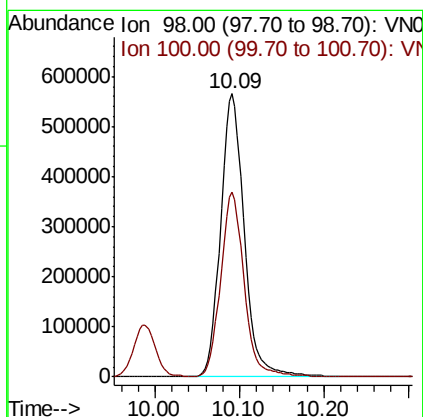
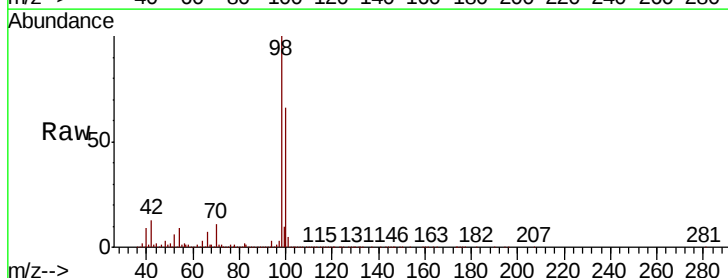
Manual Integrations
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#50
Toluene-d8
Concen: 50.089 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	98	Resp	1100749
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 254.676 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1438311

Ion Ratio Lower Upper

43 100

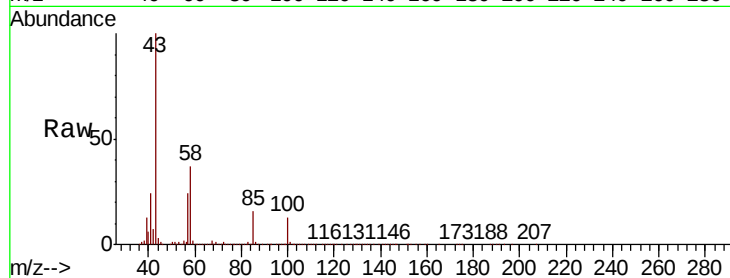
58 37.1 31.8 47.6

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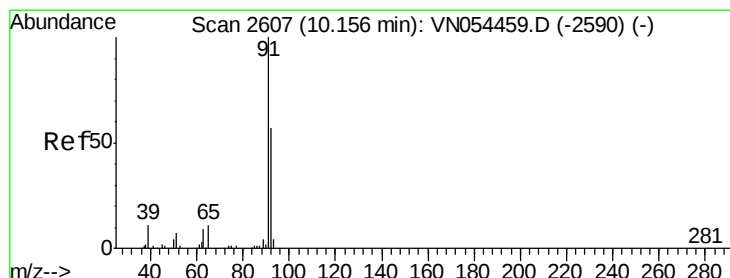
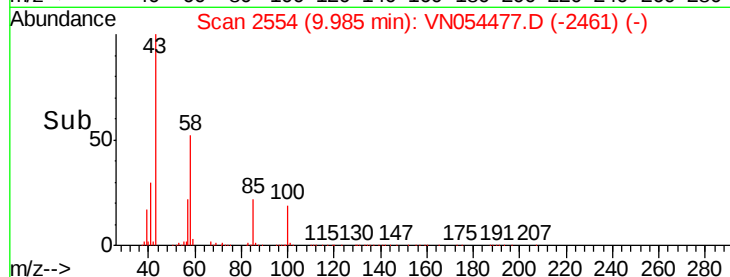
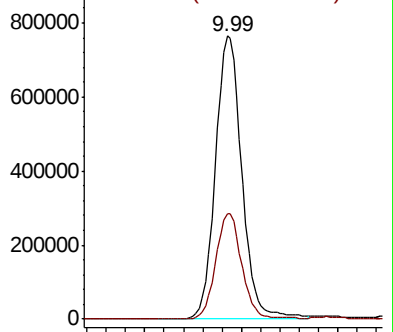
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.322 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054477.D

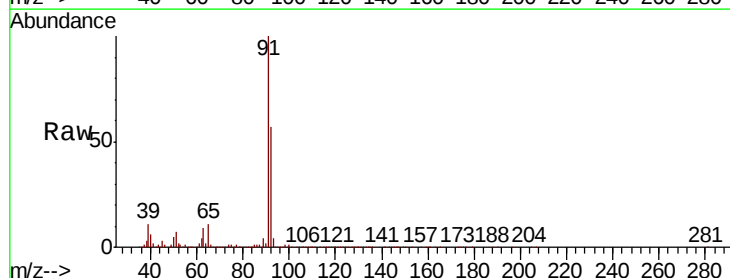
Acq: 20 Mar 2019 21:29

Tgt Ion: 92 Resp: 735924

Ion Ratio Lower Upper

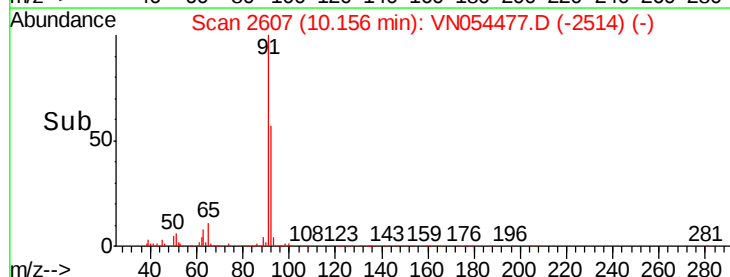
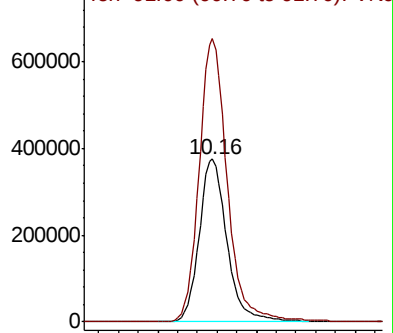
92 100

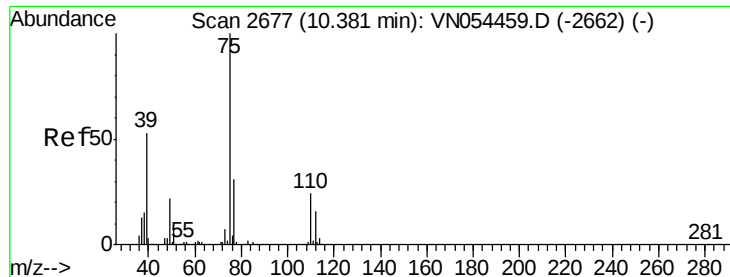
91 175.5 140.7 211.1



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: 44.143 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 373243

Ion Ratio Lower Upper

75 100

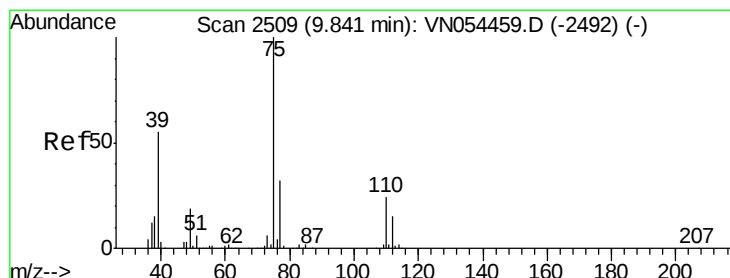
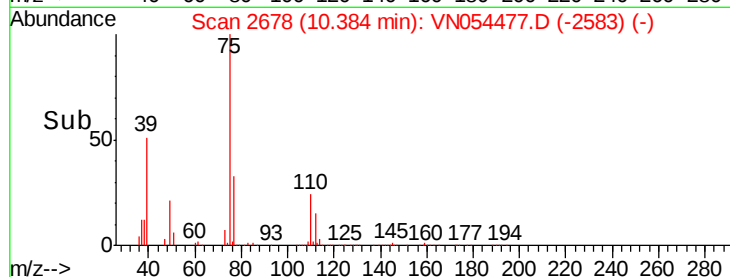
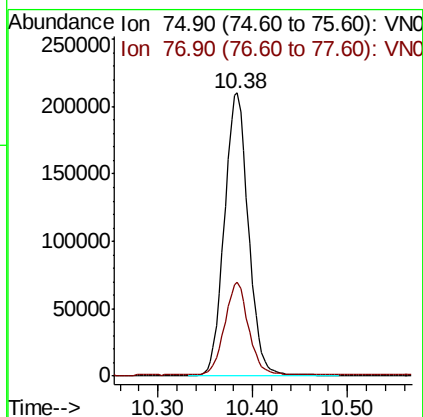
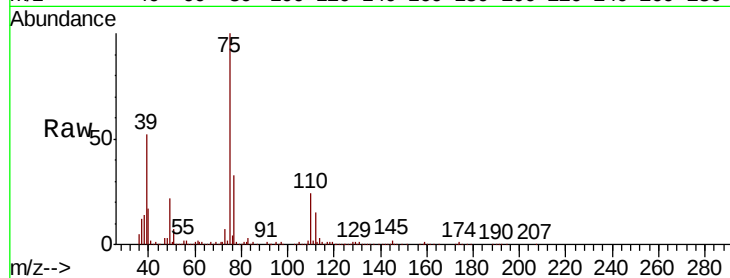
77 32.6 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 49.861 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

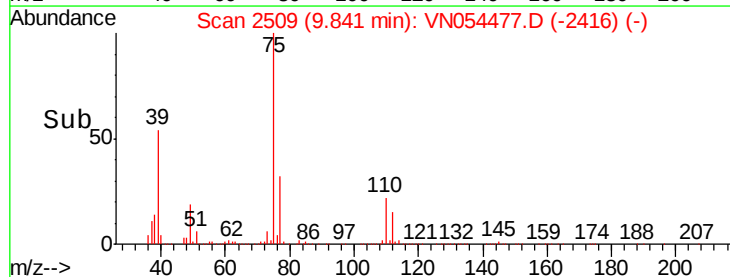
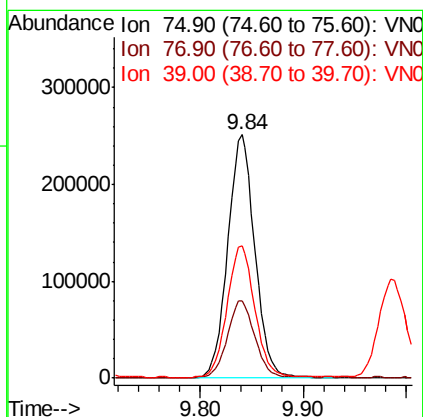
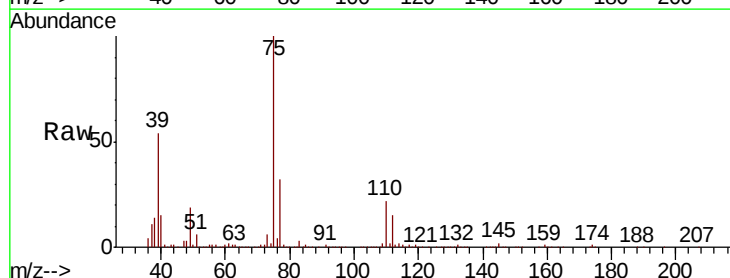
Tgt Ion: 75 Resp: 461099

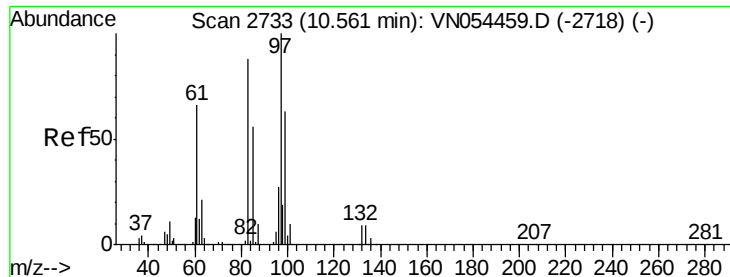
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 53.8 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 49.049 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

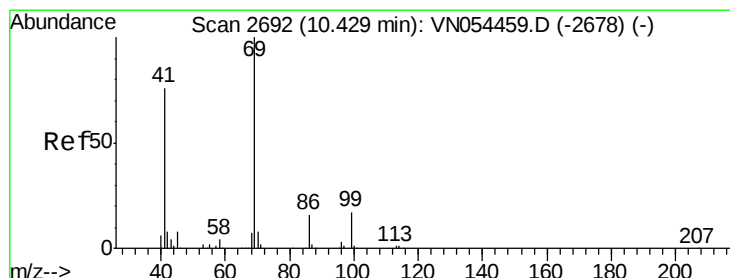
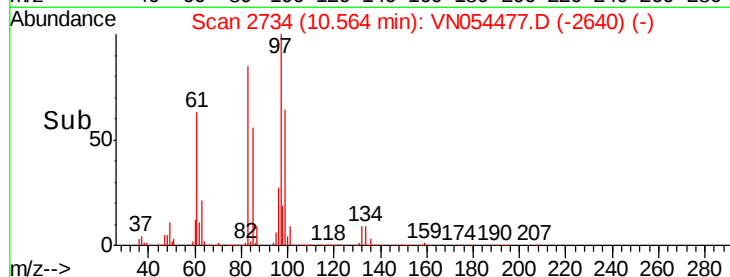
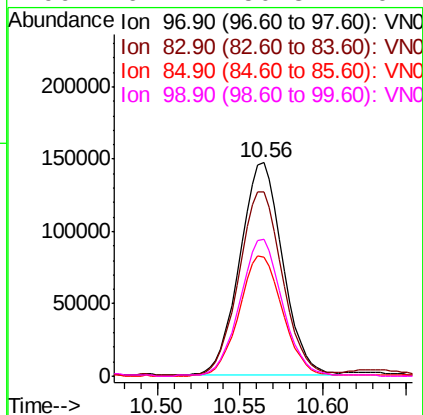
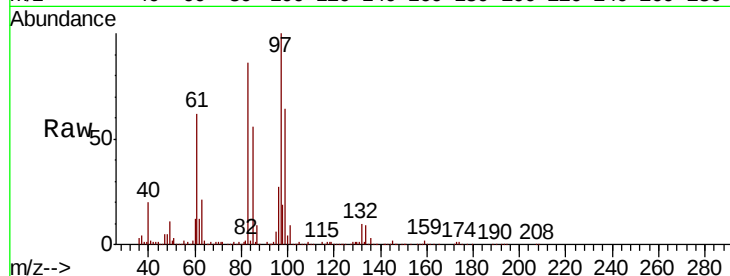
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	263073
Ion	Ratio	Lower	Upper
97	100		
83	86.1	66.6	100.0
85	55.9	44.4	66.6
99	64.1	50.8	76.2

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#56

Ethyl methacrylate

Concen: 52.830 ug/l

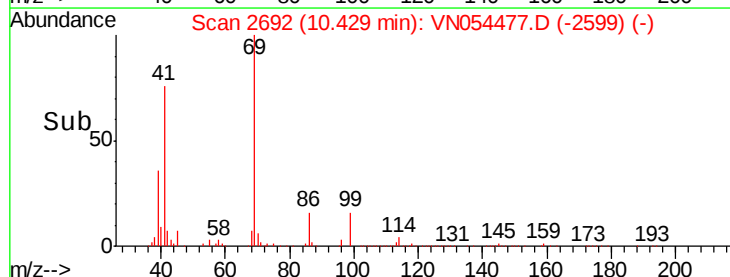
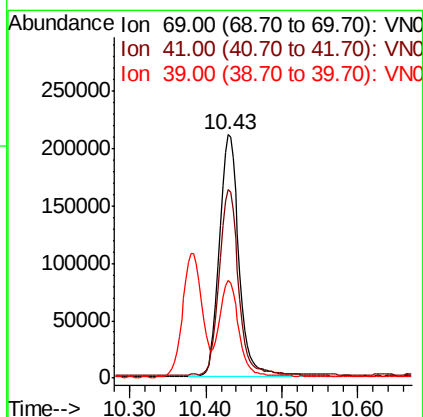
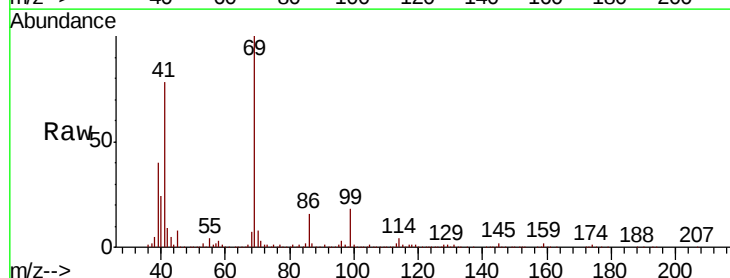
RT: 10.43 min Scan# 2692

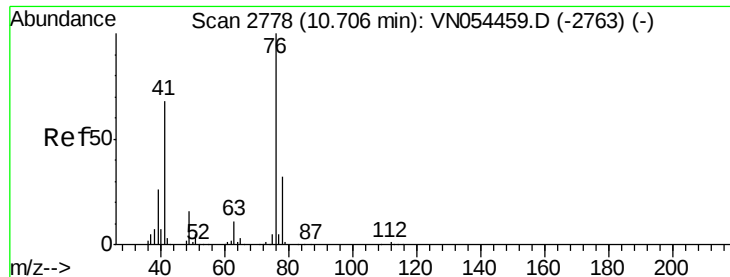
Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Tgt Ion:	69	Resp:	380321
Ion	Ratio	Lower	Upper
69	100		
41	73.7	49.4	74.2
39	39.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 50.830 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 473913

Ion Ratio Lower Upper

76 100

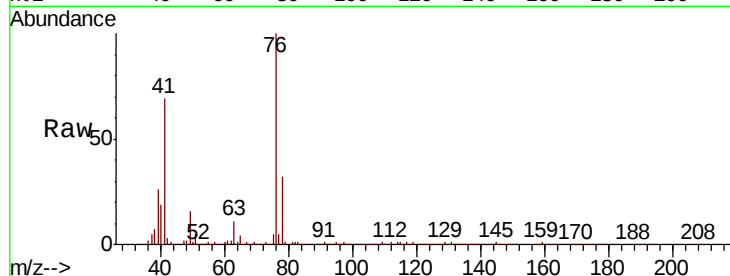
78 32.1 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

300000

250000

200000

150000

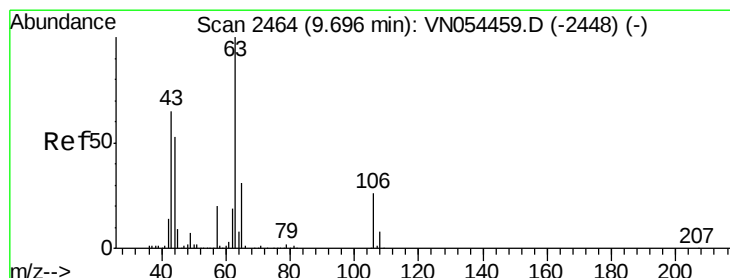
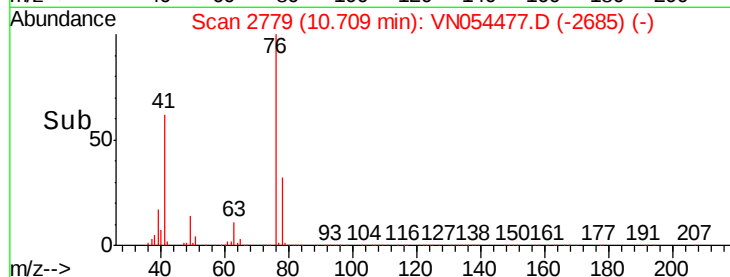
100000

50000

0

10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 262.543 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054477.D

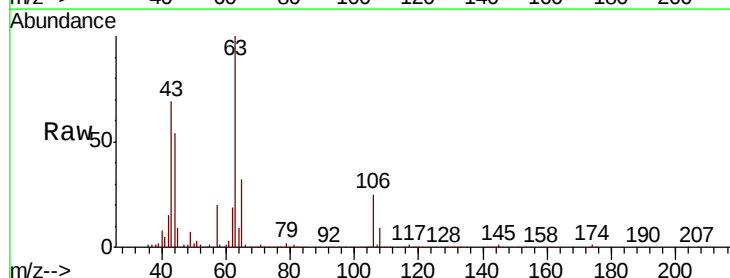
Acq: 20 Mar 2019 21:29

Tgt Ion: 63 Resp: 778272

Ion Ratio Lower Upper

63 100

106 25.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

500000

400000

300000

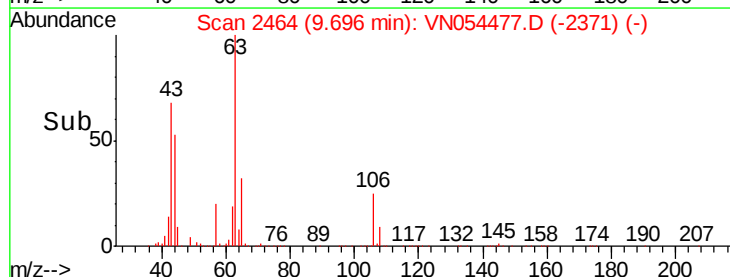
200000

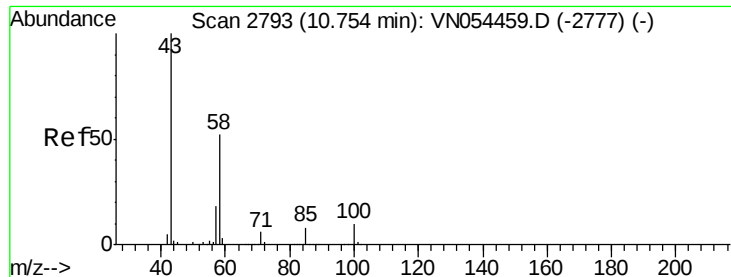
100000

0

9.60 9.70 9.80

Time-->





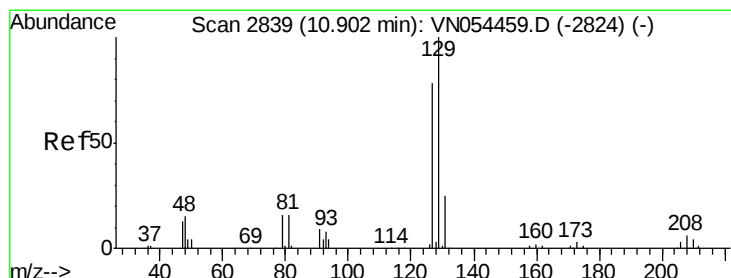
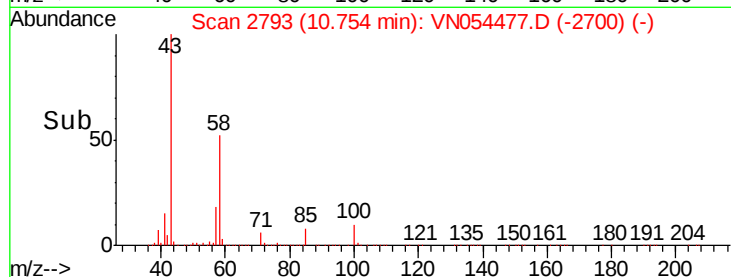
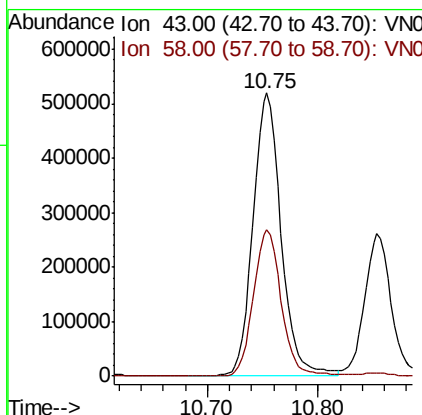
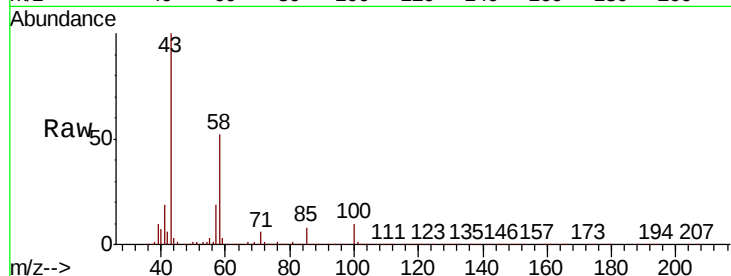
#59
2-Hexanone
Concen: 246.108 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 907881
Ion Ratio Lower Upper
43 100
58 52.1 28.0 83.9

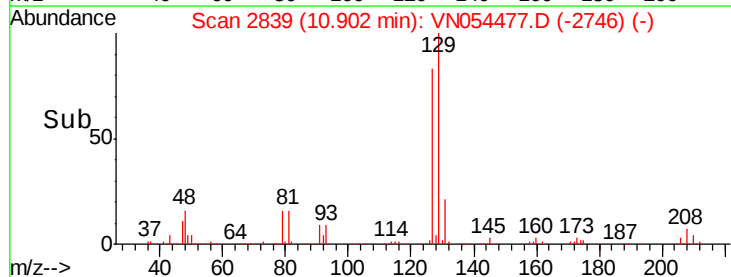
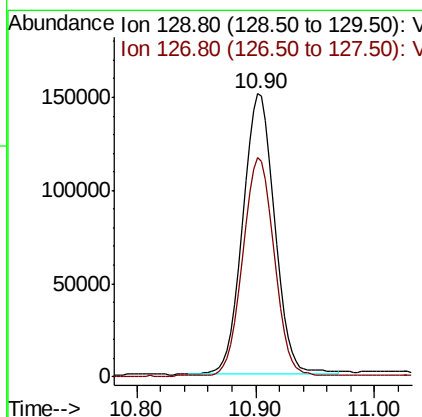
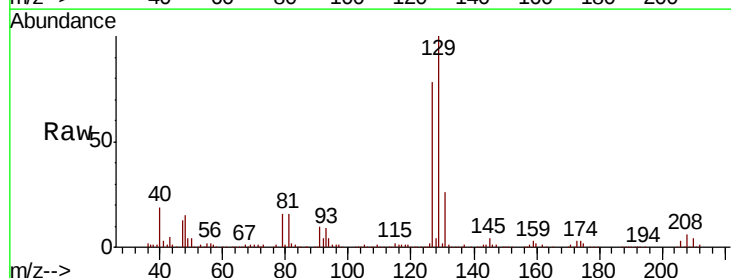
Manual Integrations
APPROVED

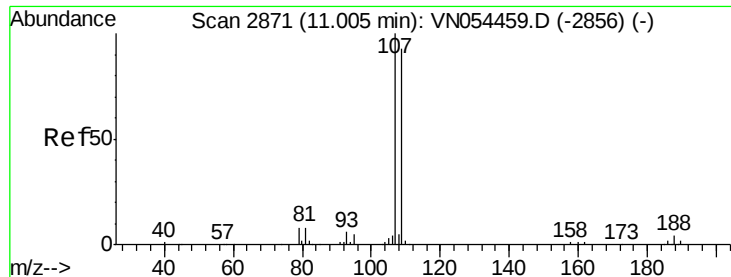
MMDadoda
3/22/2019 3:48:40 PM



#60
Dibromochloromethane
Concen: 49.106 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion: 129 Resp: 280262
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





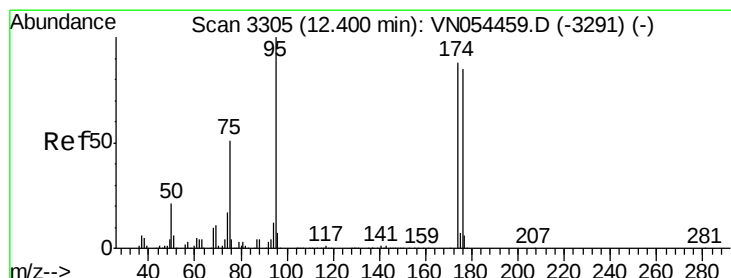
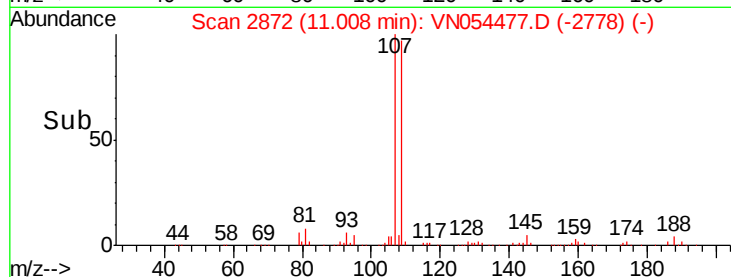
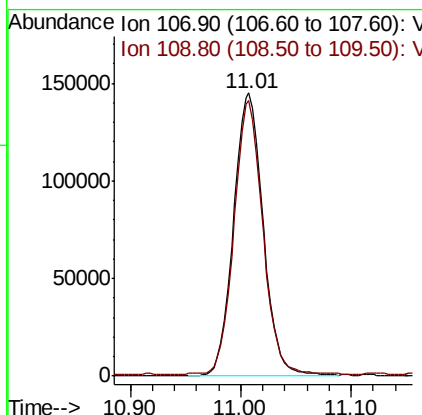
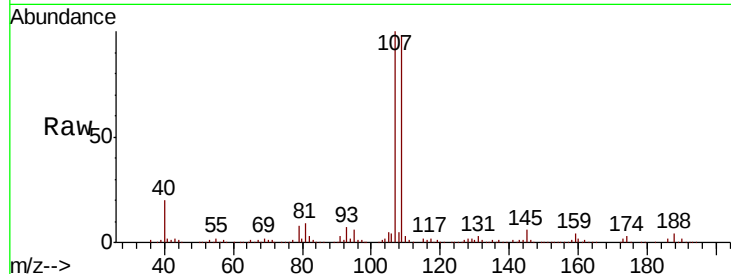
#61
1,2-Dibromoethane
Concen: 50.508 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.9	113.9

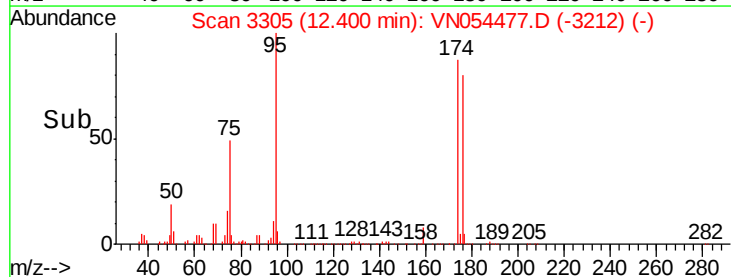
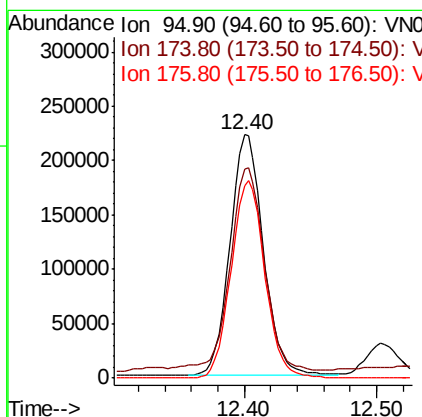
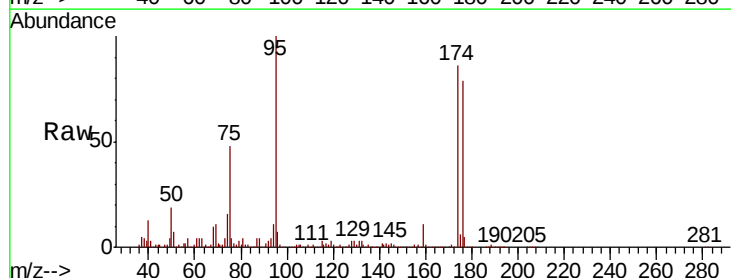
Manual Integrations
APPROVED

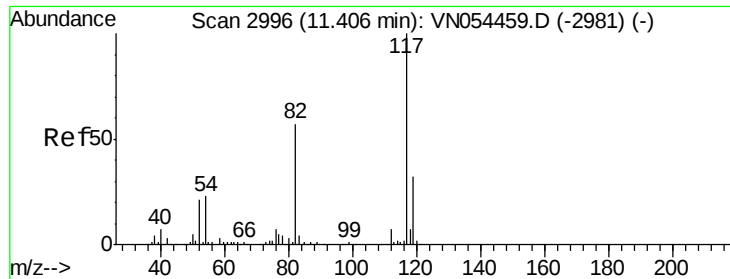
MMDadoda
3/22/2019 3:48:40 PM



#62
4-Bromofluorobenzene
Concen: 51.467 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	191.0
176	83.4	0.0	187.4





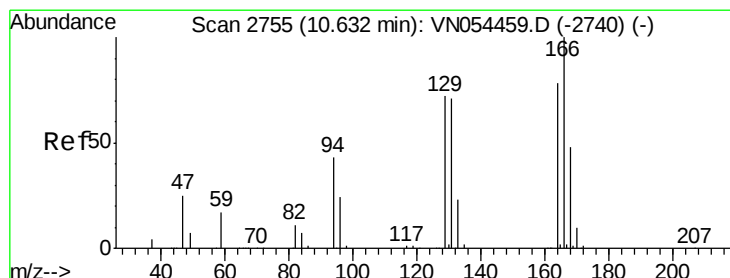
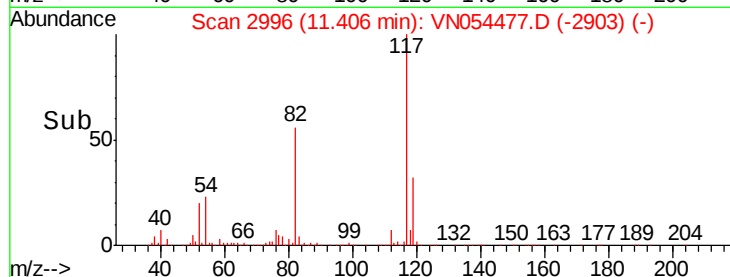
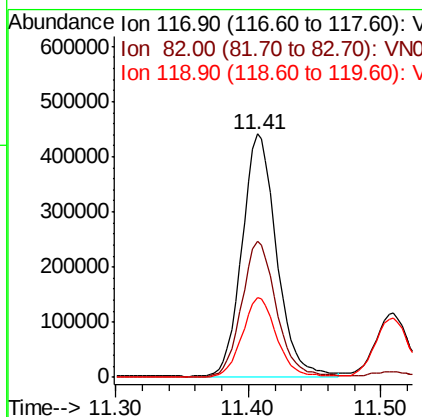
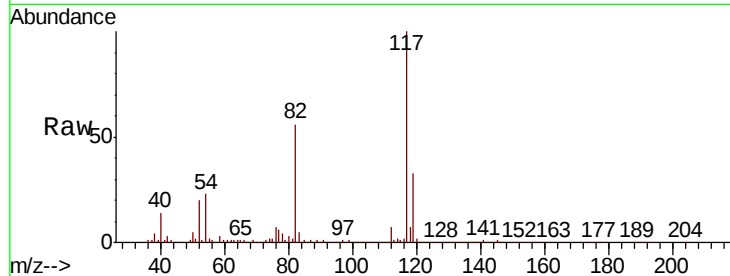
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	792381		
82	55.7	40.0	60.0	
119	32.4	25.8	38.6	

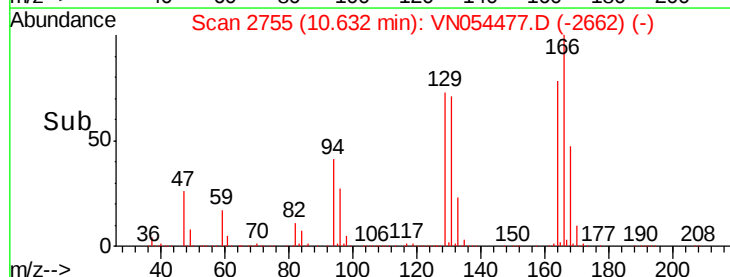
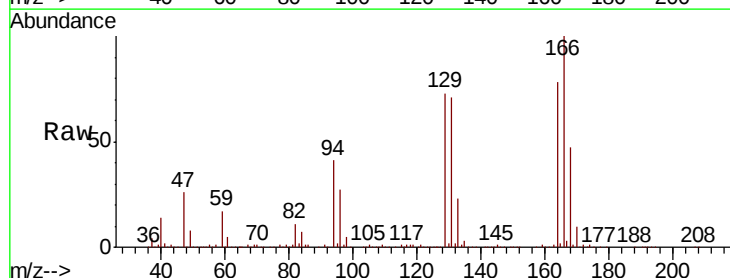
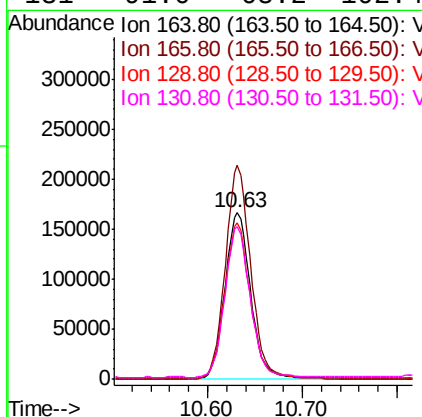
Manual Integrations
APPROVED

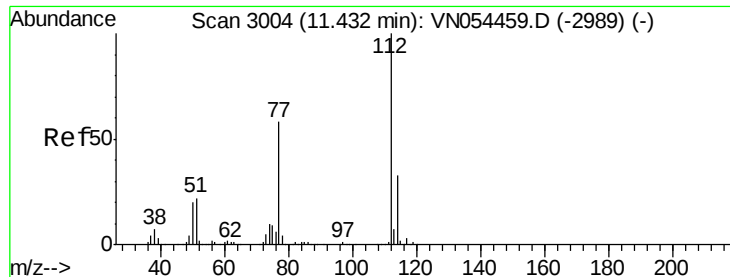
MMDadoda
3/22/2019 3:48:40 PM



#64
Tetrachloroethene
Concen: 48.018 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	315597		
166	128.8	103.9	155.9	
129	93.6	71.1	106.7	
131	91.0	68.2	102.4	





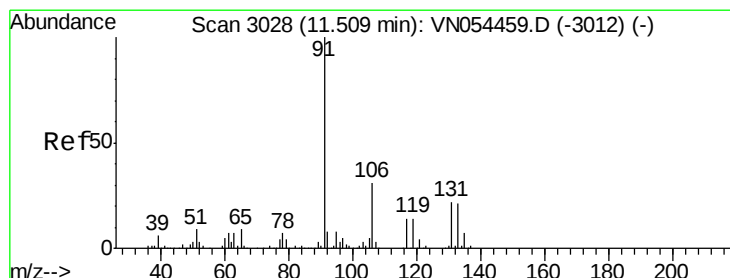
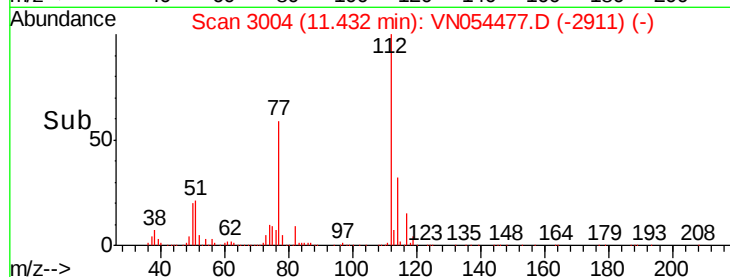
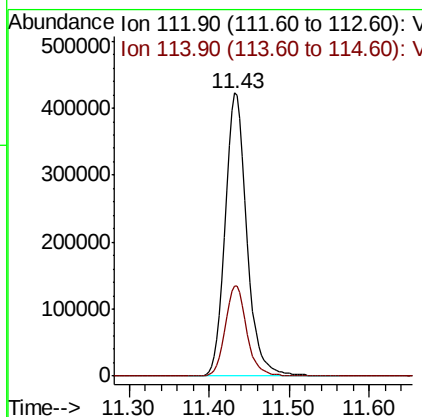
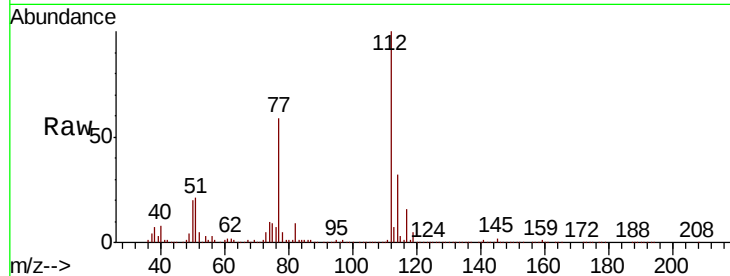
#65
Chlorobenzene
Concen: 49.148 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.9	38.9

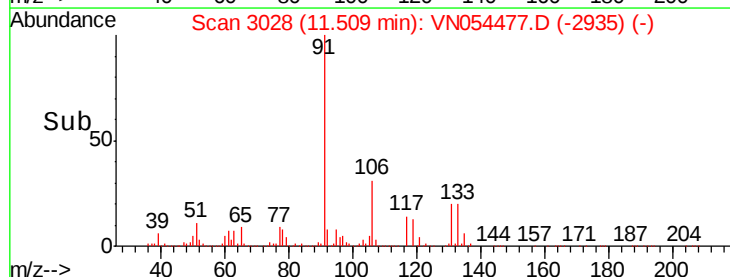
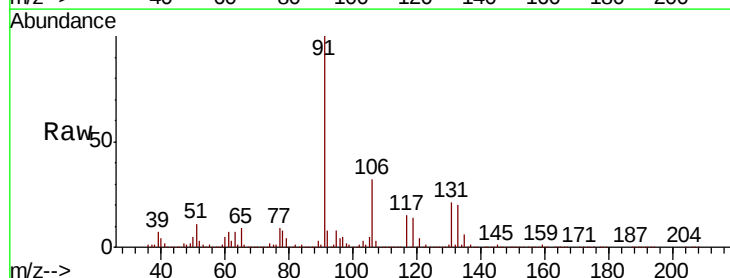
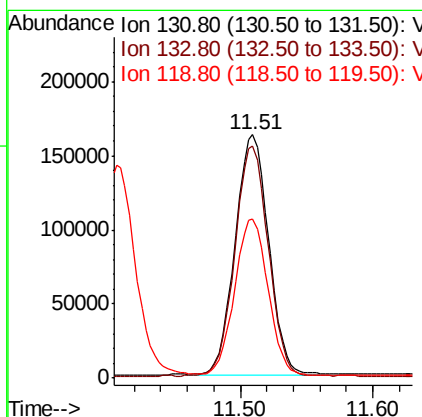
Manual Integrations
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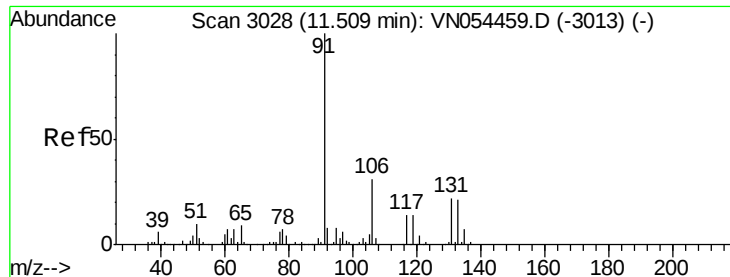
MMDadoda
3/22/2019 3:48:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.137 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.6	142.9
119	64.8	32.4	97.0





#67

Ethyl Benzene

Concen: 49.343 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1404712

Ion Ratio Lower Upper

91 100

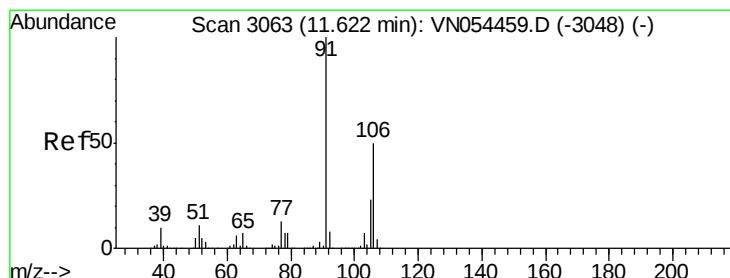
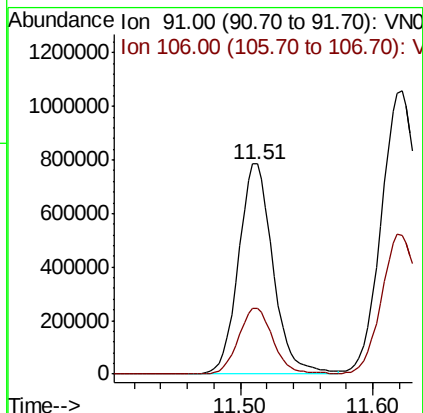
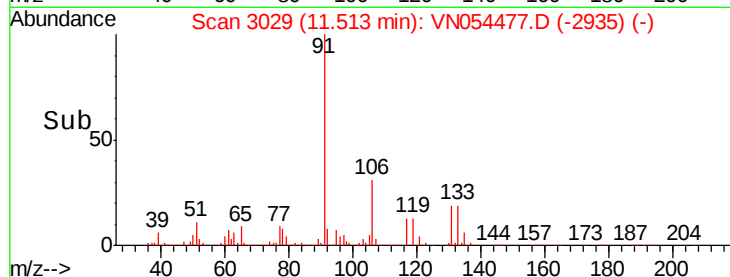
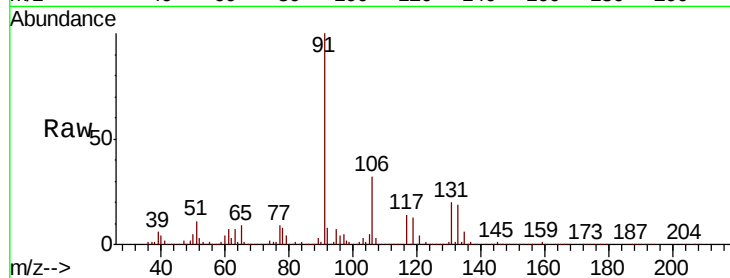
106 31.5 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 97.634 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054477.D

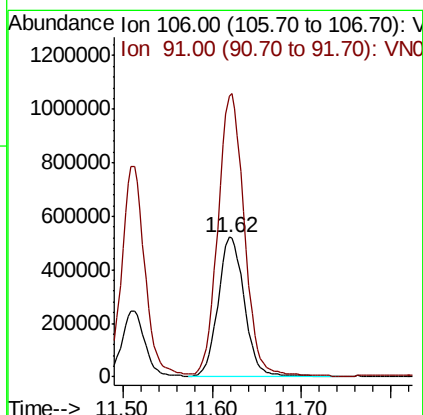
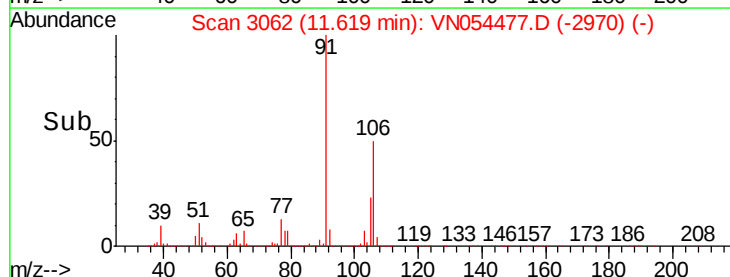
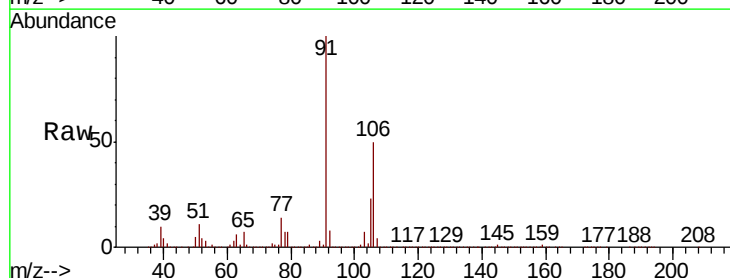
Acq: 20 Mar 2019 21:29

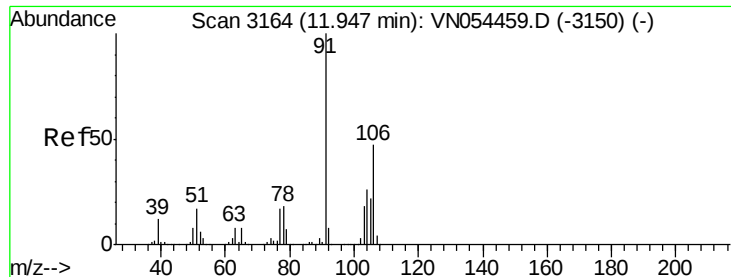
Tgt Ion: 106 Resp: 1052788

Ion Ratio Lower Upper

106 100

91 204.3 159.4 239.2





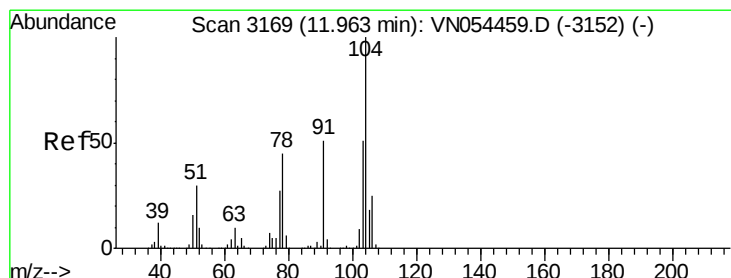
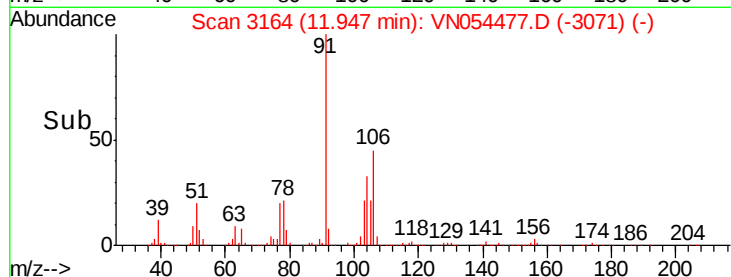
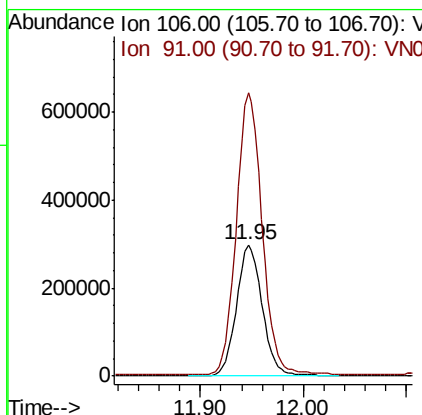
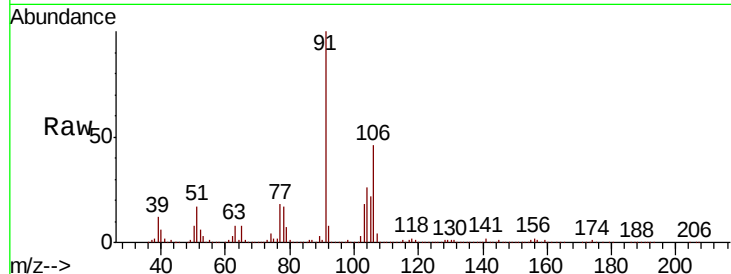
#69
o-Xylene
Concen: 48.978 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.3	105.7	317.1

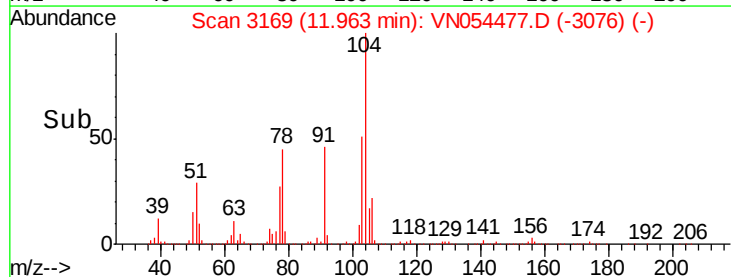
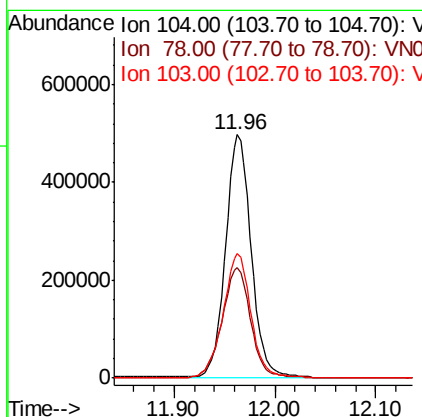
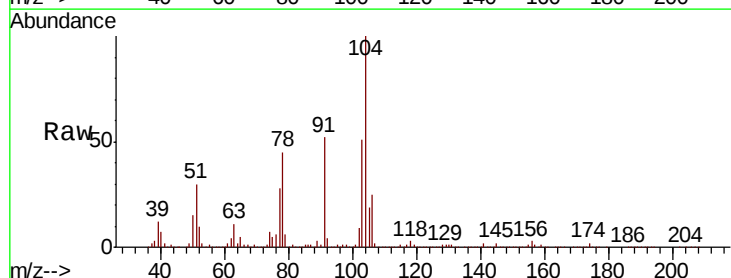
Manual Integrations
APPROVED

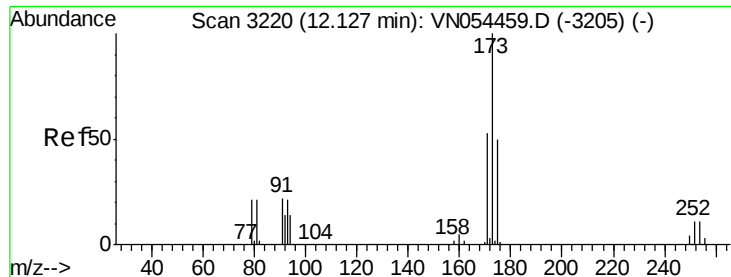
MMDadoda
3/22/2019 3:48:40 PM



#70
Styrene
Concen: 51.702 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	38.2	57.2
103	54.6	44.4	66.6





#71

Bromoform

Concen: 41.827 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 165291

Ion Ratio Lower Upper

173 100

175 49.3 24.4 73.2

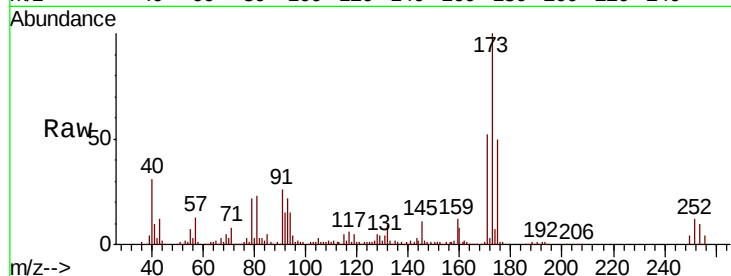
254 0.0 0.1 0.1#

Manual Integrations

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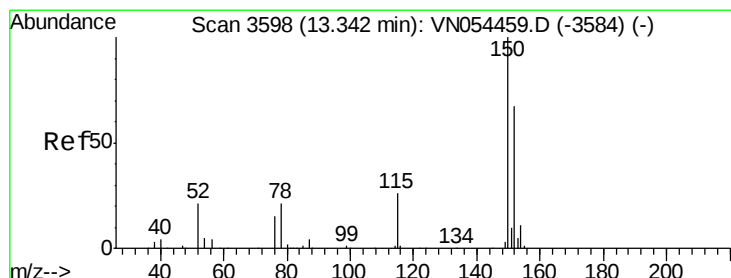
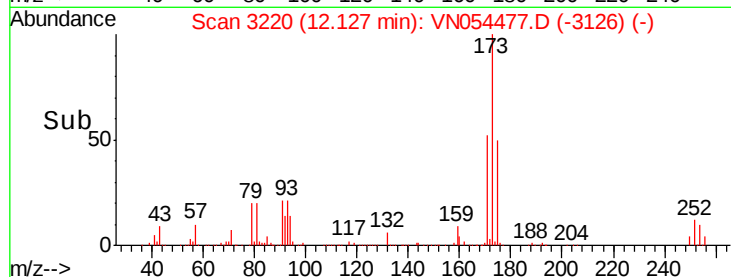
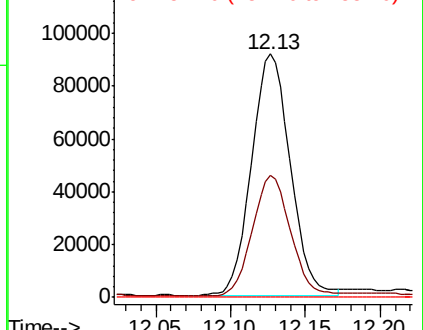


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

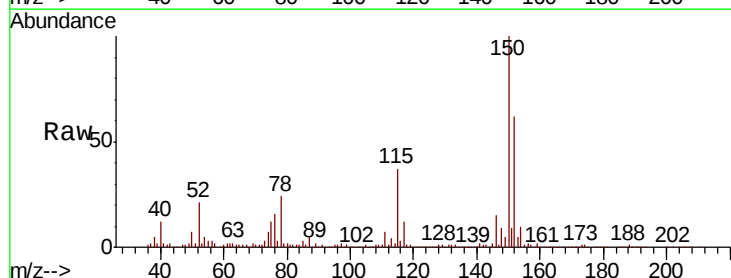
Tgt Ion:152 Resp: 366778

Ion Ratio Lower Upper

152 100

115 58.9 27.2 81.6

150 173.9 0.0 349.2

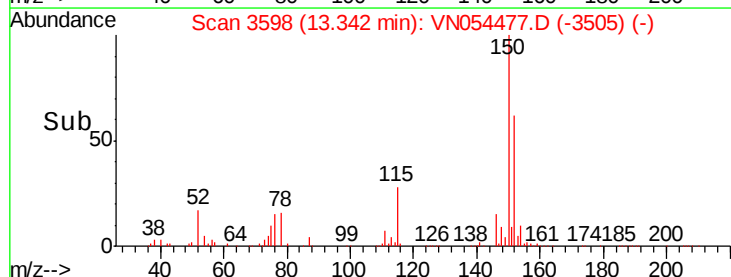
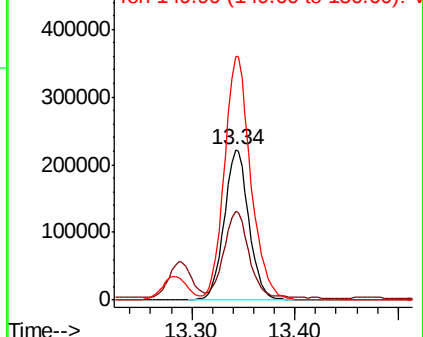


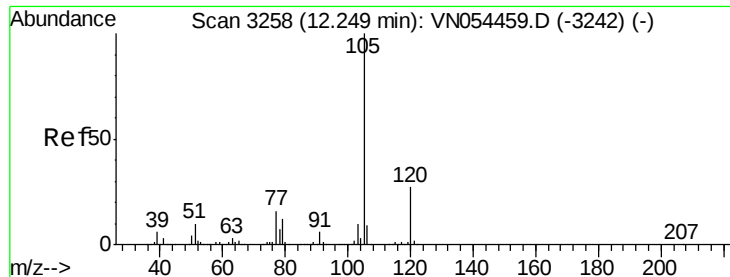
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.986 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1359152

Ion Ratio Lower Upper

105 100

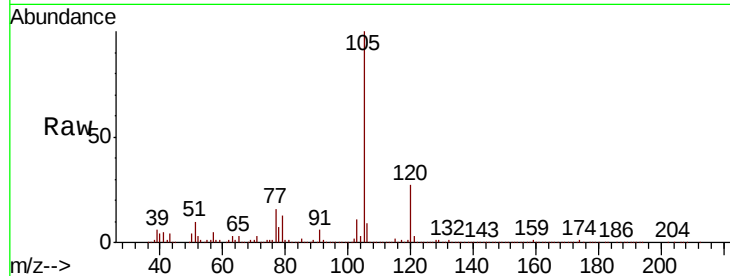
120 26.8 13.8 41.3

Manual Integrations

APPROVED

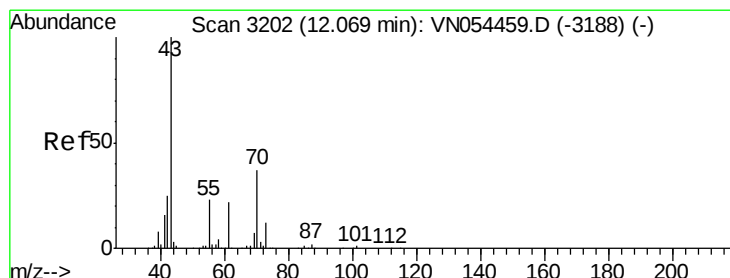
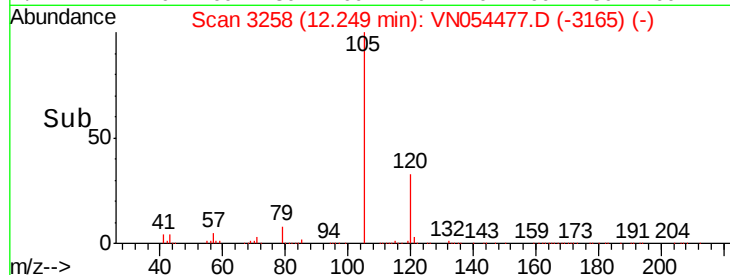
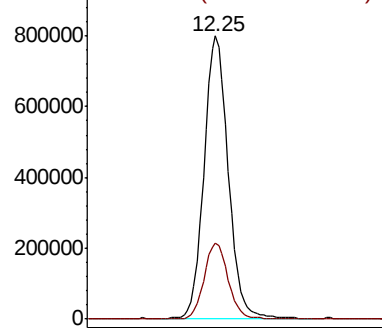
MMDadoda

3/22/2019 3:48:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.910 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Tgt Ion: 43 Resp: 441146

Ion Ratio Lower Upper

43 100

70 37.8 35.4 53.0

55 24.1 19.8 29.6

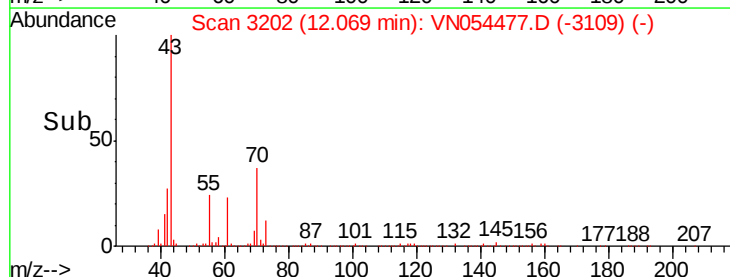
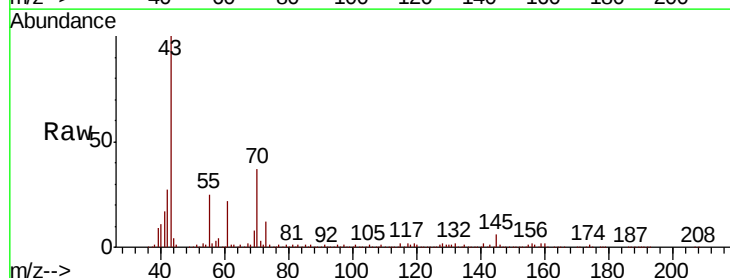
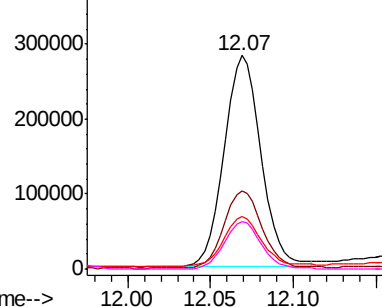
61 22.1 19.8 29.6

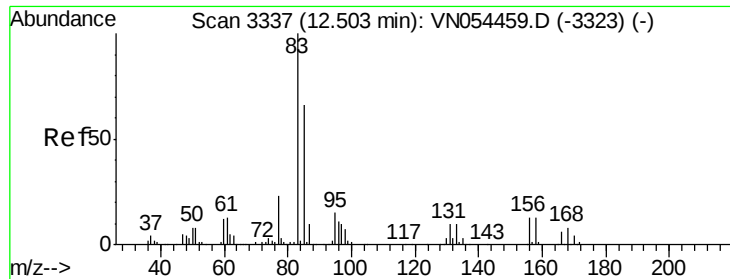
Abundance Ion 43.00 (42.70 to 43.70): V

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





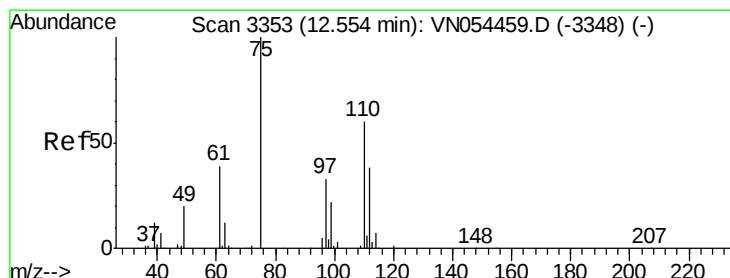
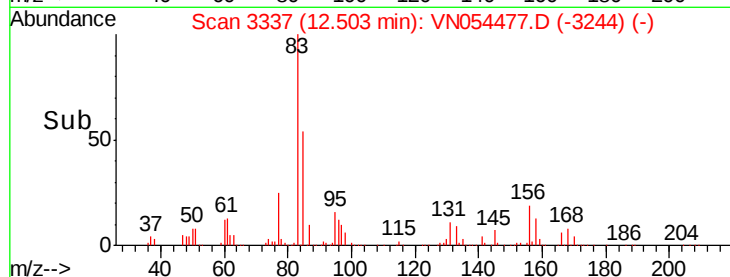
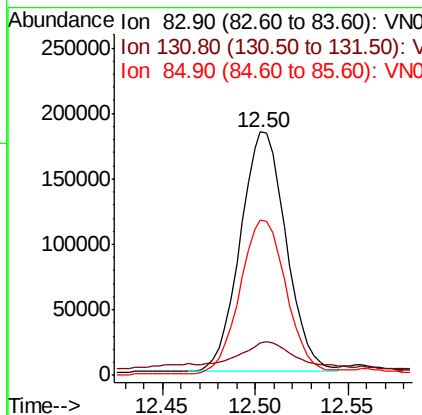
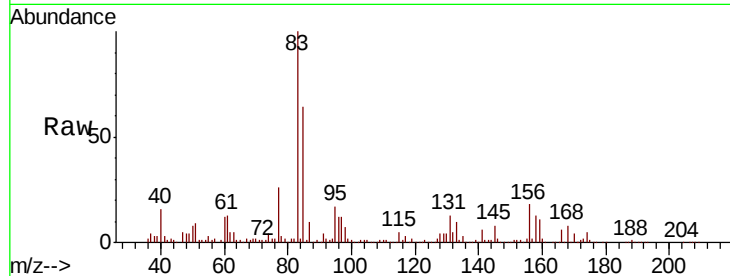
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.855 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	13.4	5.8	17.4	
85	65.4	32.2	96.6	

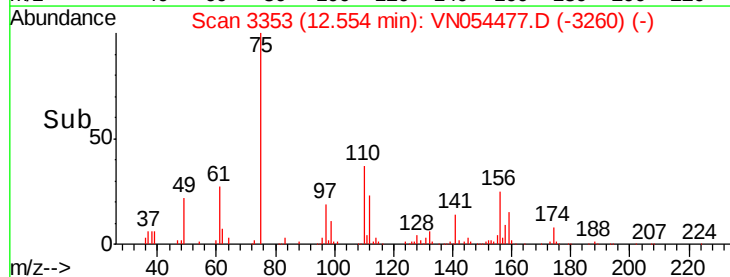
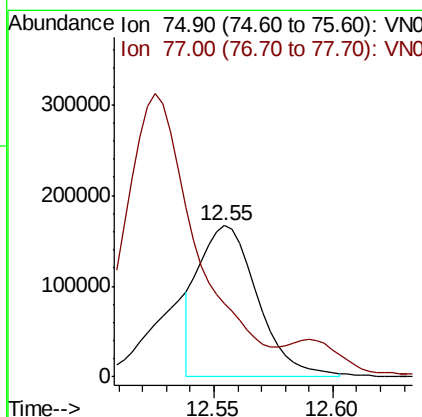
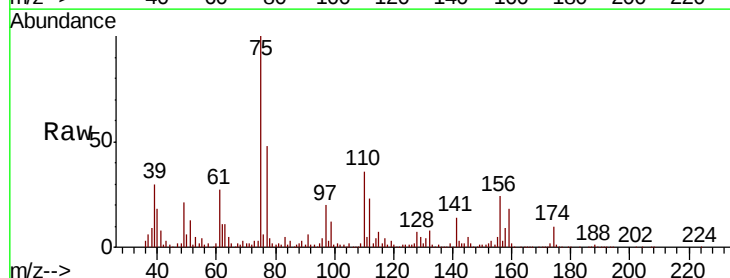
Manual Integrations
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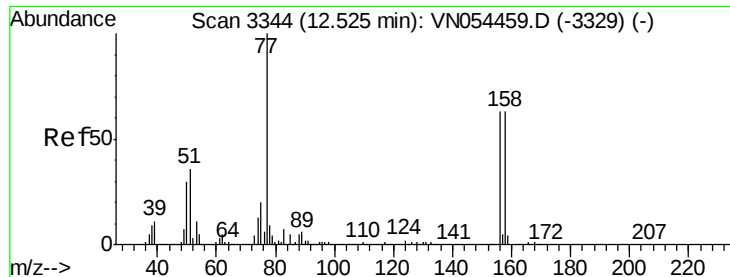
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#76
 1,2,3-Trichloropropane
 Concen: 49.002 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

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





#77

Bromobenzene

Concen: 65.845 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

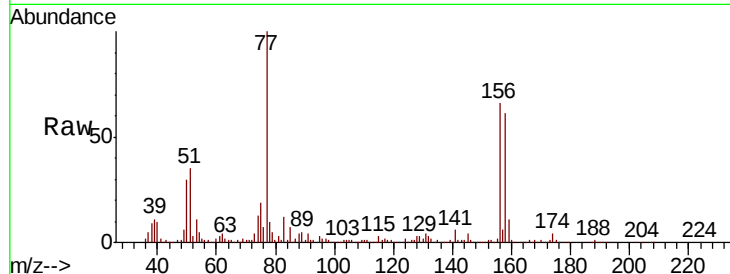
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	482659
Ion Ratio	Lower	Upper	
156	100		
77	135.0	81.5	244.4
158	69.5	49.0	147.2

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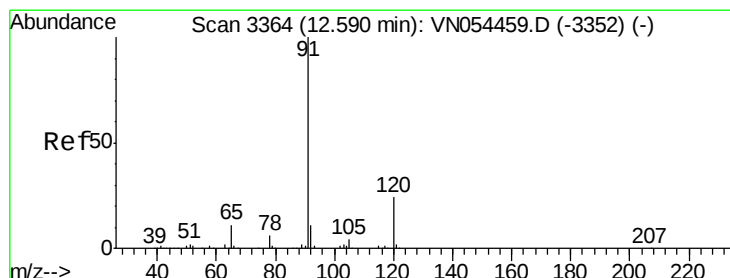
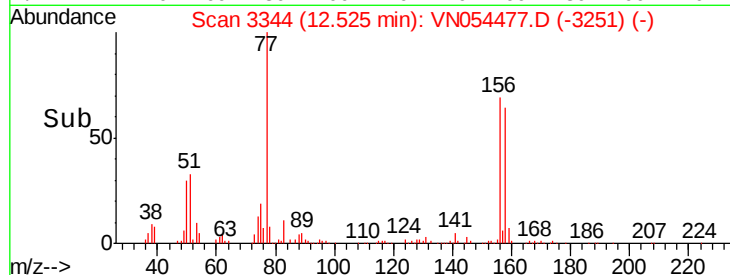
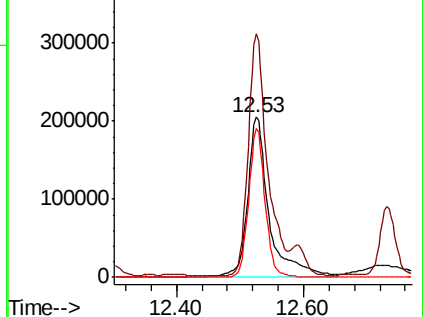
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.623 ug/l

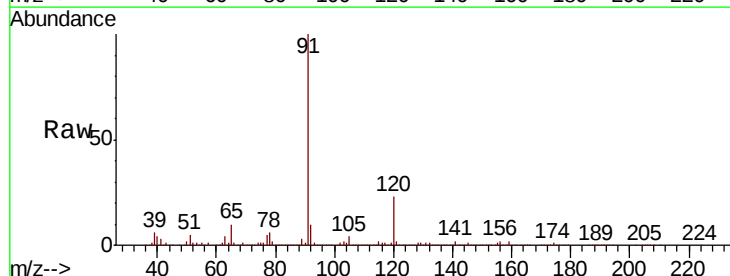
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054477.D

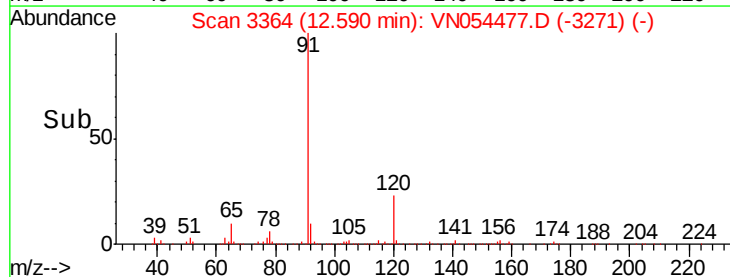
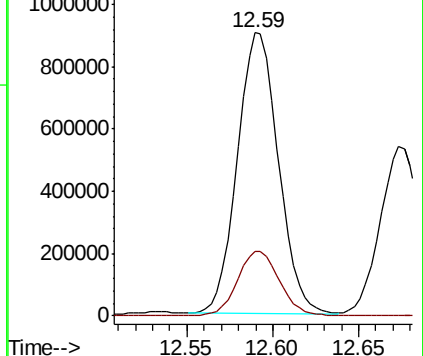
Acq: 20 Mar 2019 21:29

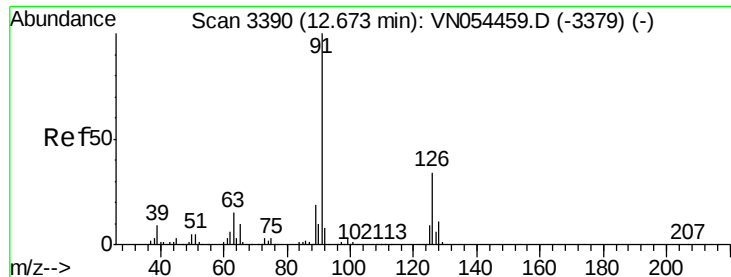
Tgt Ion:	91	Resp:	1494223
Ion Ratio	Lower	Upper	
91	100		
120	23.5	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.044 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 900229

Ion Ratio Lower Upper

91 100

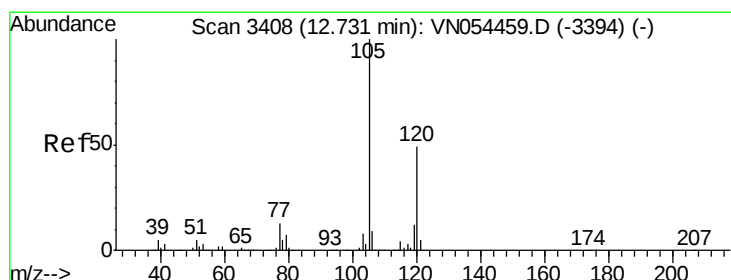
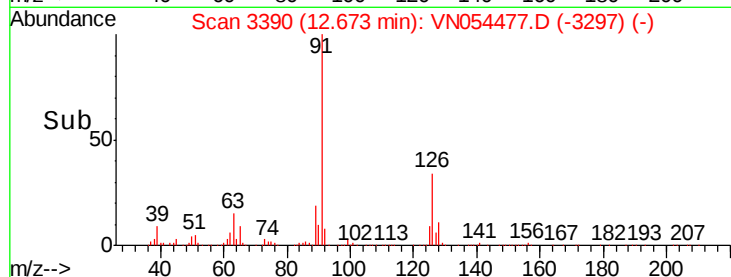
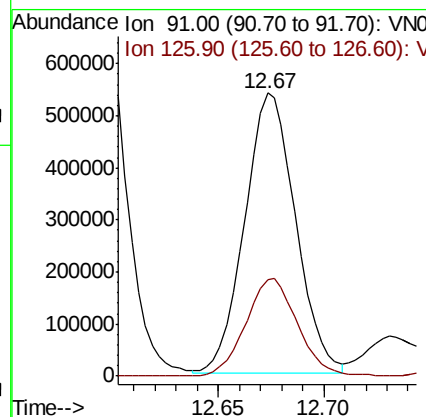
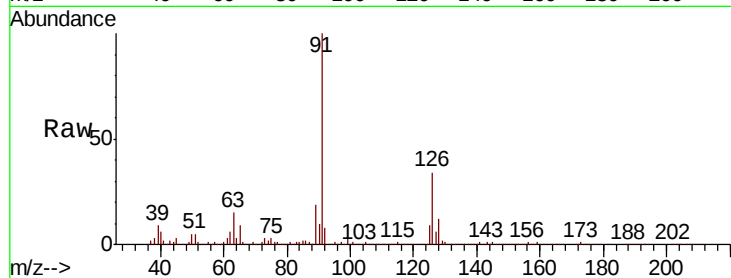
126 35.3 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 47.602 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054477.D

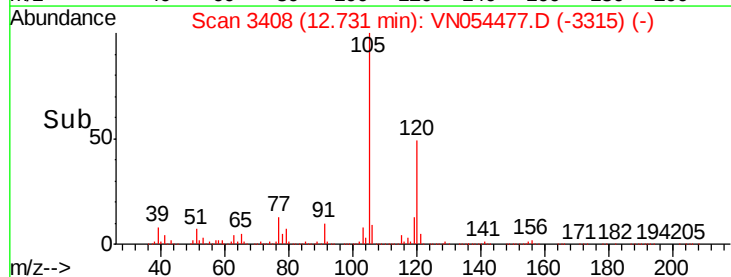
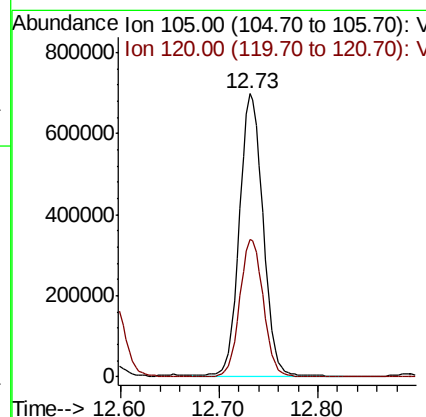
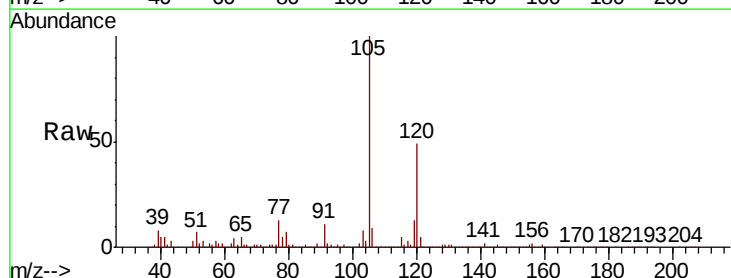
Acq: 20 Mar 2019 21:29

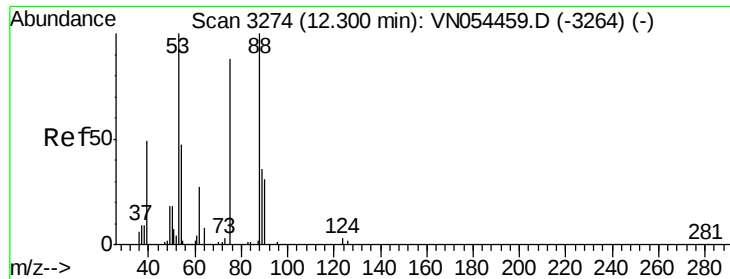
Tgt Ion: 105 Resp: 1153083

Ion Ratio Lower Upper

105 100

120 48.2 25.0 75.0





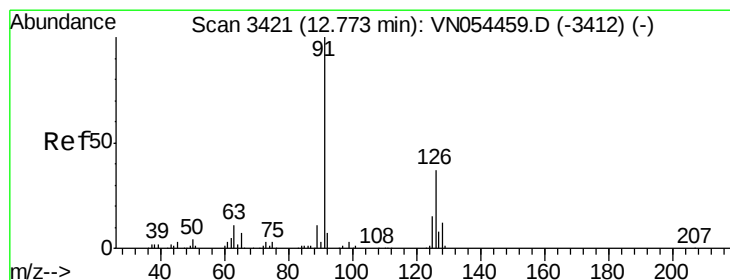
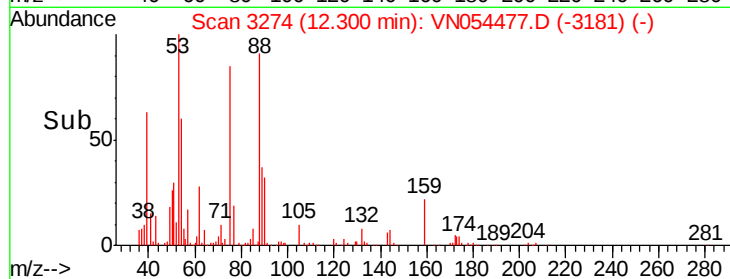
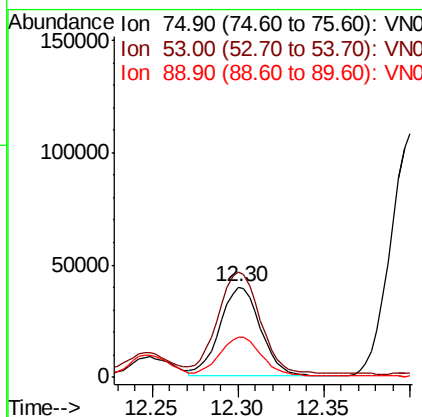
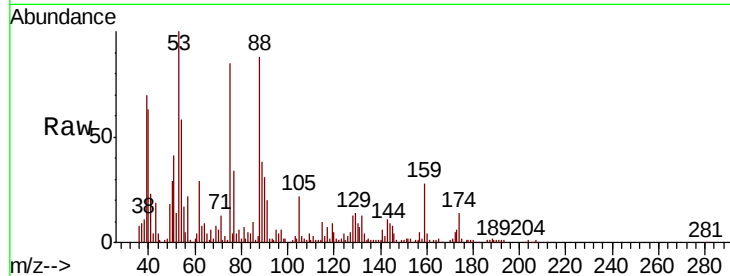
#81
trans-1,4-Dichloro-2-butene
Concen: 39.558 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.6	76.2	114.2#
89	45.9	39.2	58.8

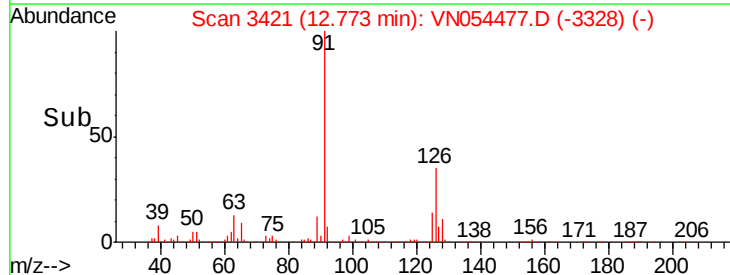
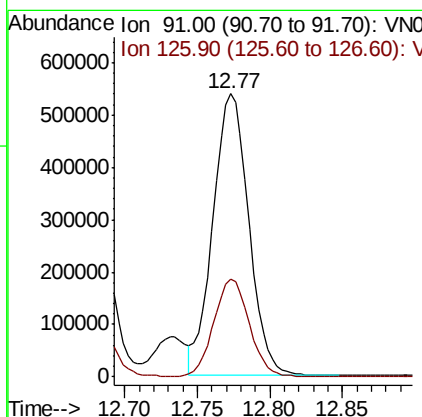
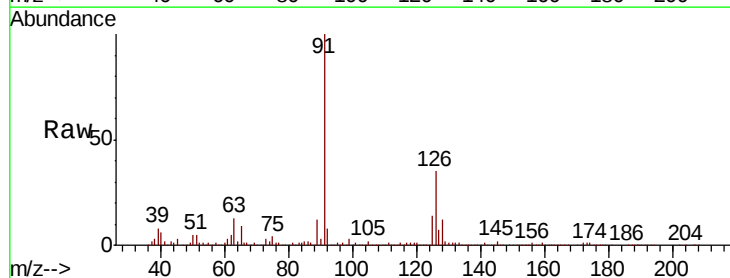
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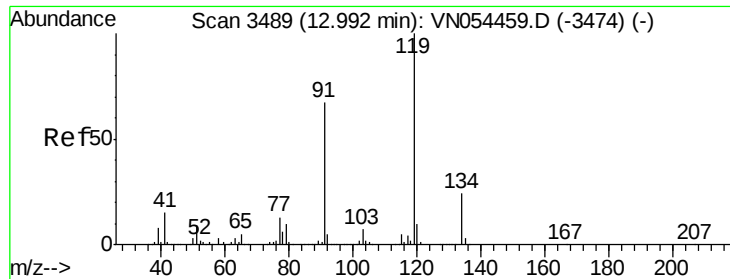
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#82
4-Chlorotoluene
Concen: 47.648 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	18.1	54.1





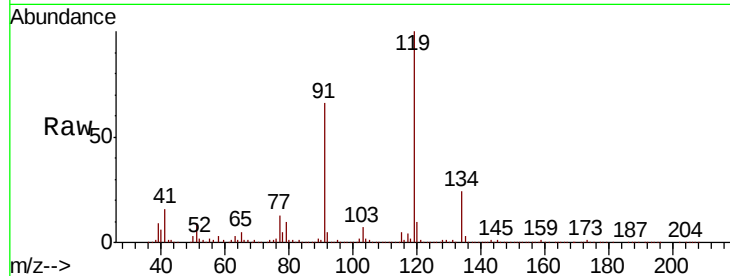
#83
tert-Butylbenzene
Concen: 45.800 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	30.9	92.8
134	23.9	13.2	39.6

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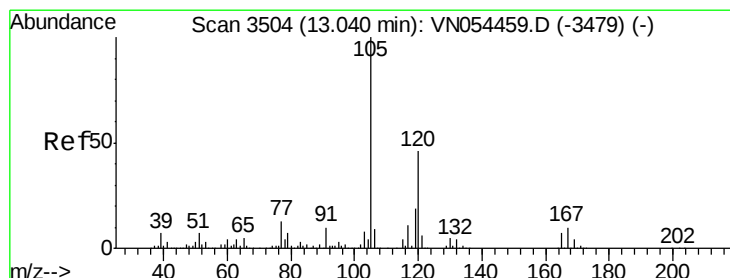
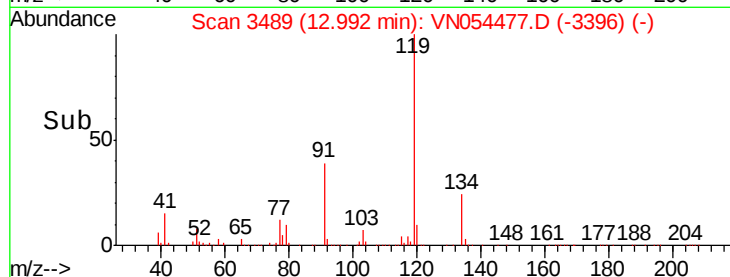
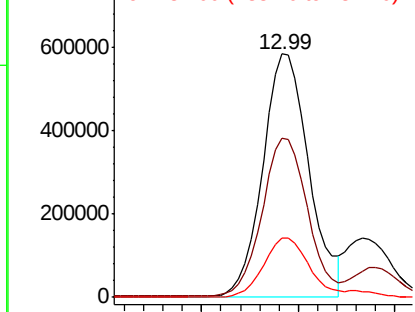


Abundance

Ion 119.00 (118.70 to 119.70): V

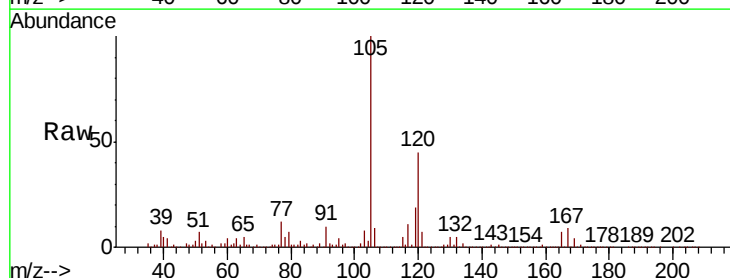
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 47.918 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

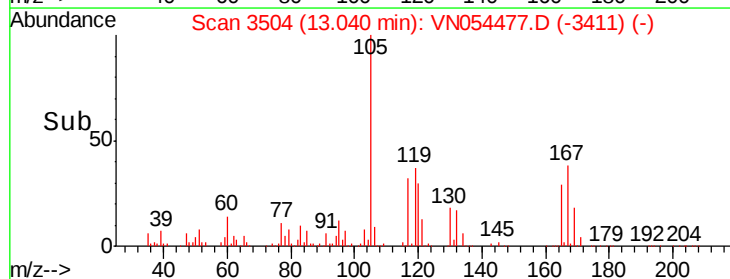
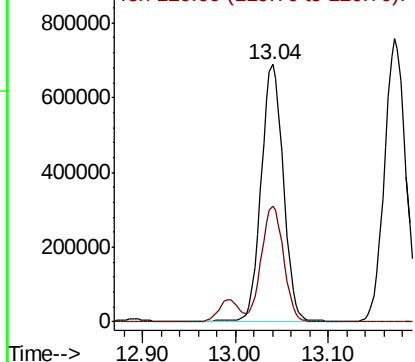
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.4	70.3

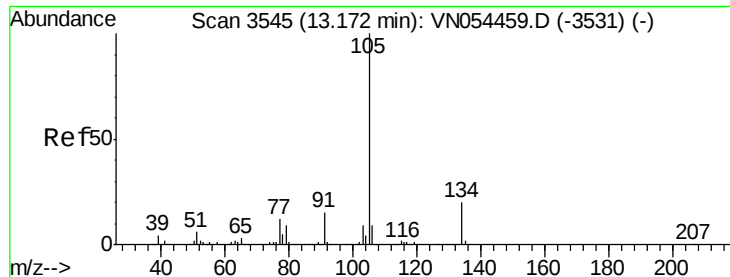


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.804 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1203955

Ion Ratio Lower Upper

105 100

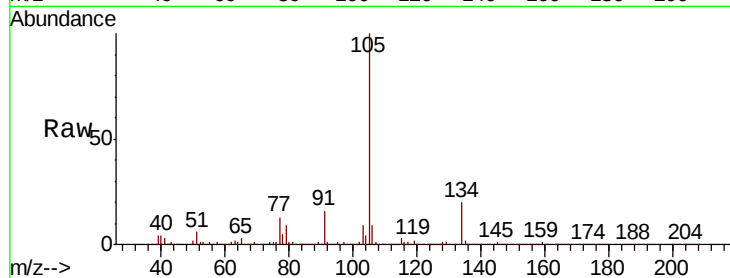
134 20.1 10.7 32.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

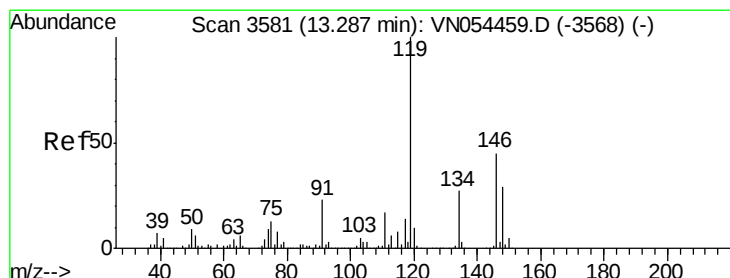
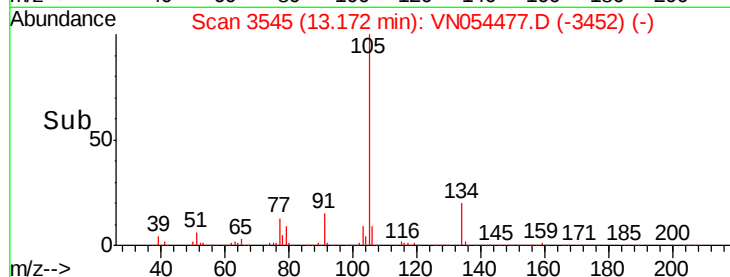
600000

400000

200000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 47.011 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

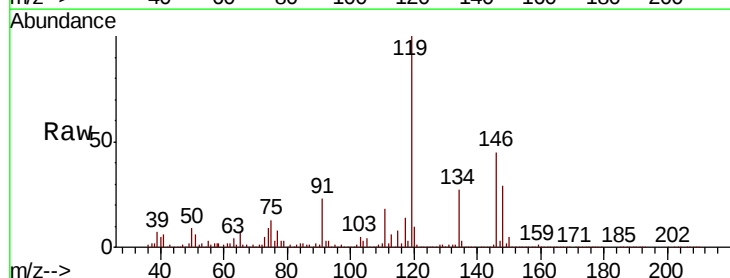
Tgt Ion:119 Resp: 1105485

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 22.6 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

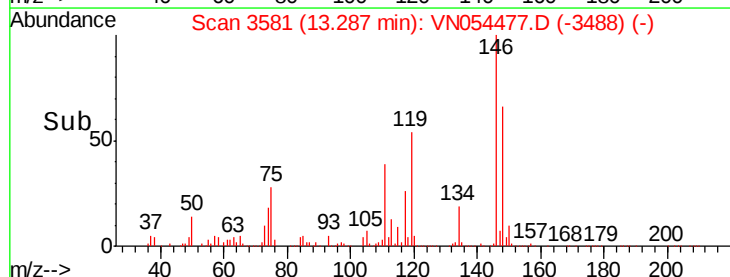
600000

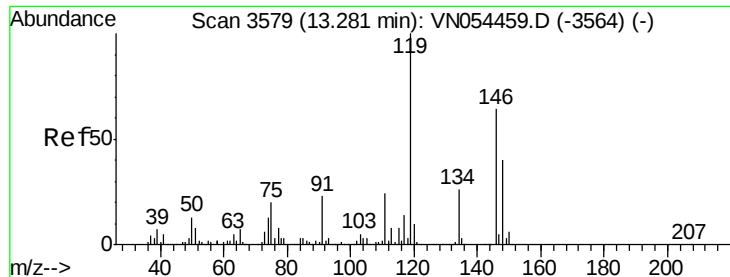
400000

200000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 47.177 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Instrument :

MSVOA_N

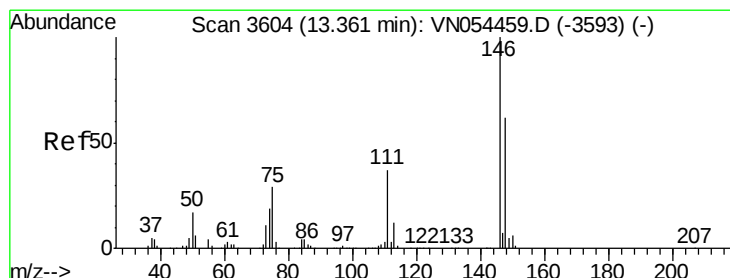
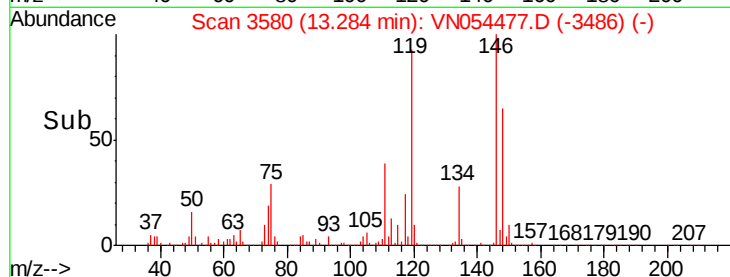
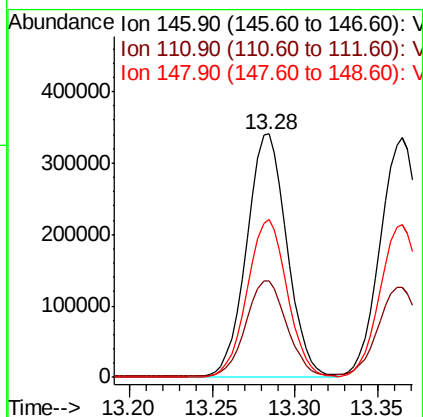
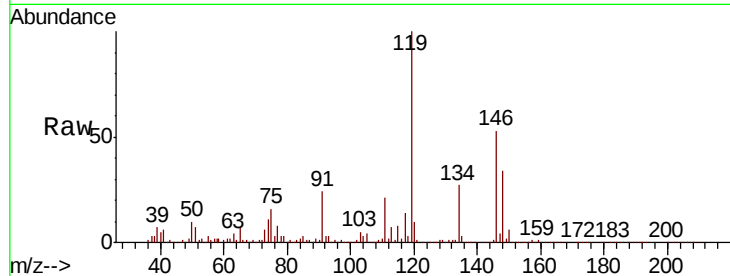
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.8	56.3
148	64.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.991 ug/l

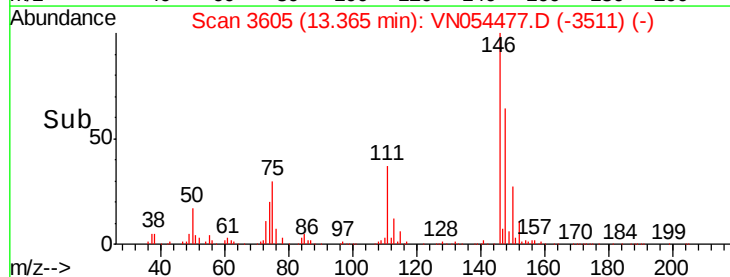
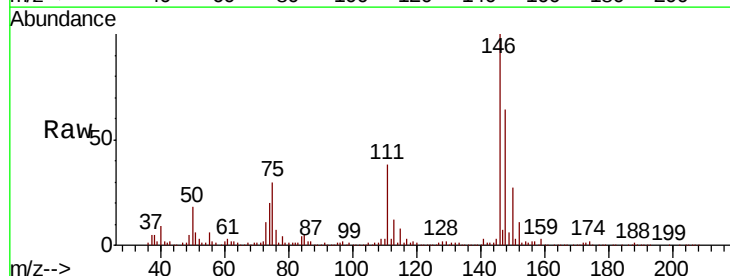
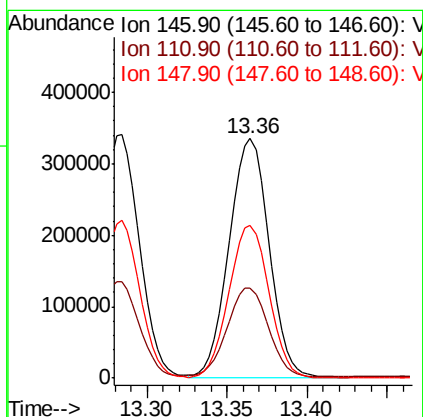
RT: 13.36 min Scan# 3605

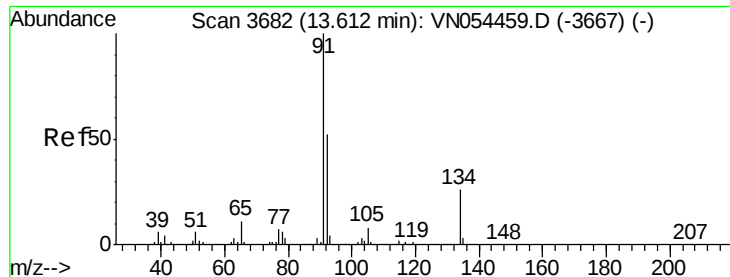
Delta R.T. 0.00 min

Lab File: VN054477.D

Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.1
148	64.1	32.0	96.0





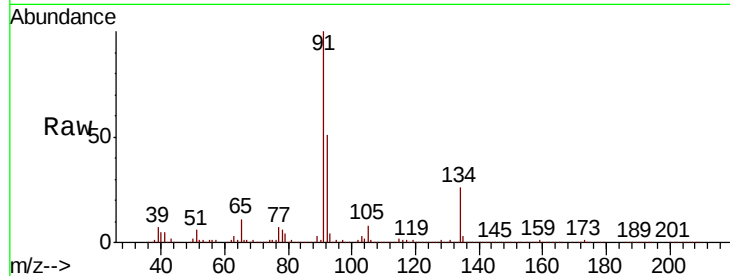
#89
n-Butylbenzene
Concen: 49.713 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

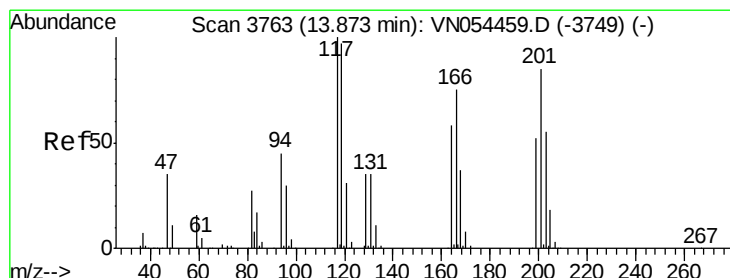
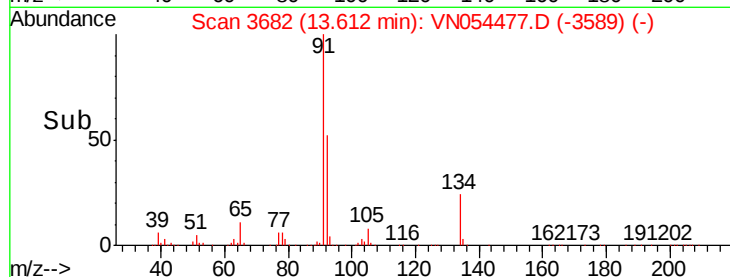
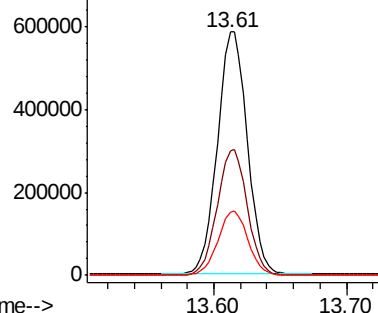
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.6
134	26.4	14.3	42.9

Manual Integrations
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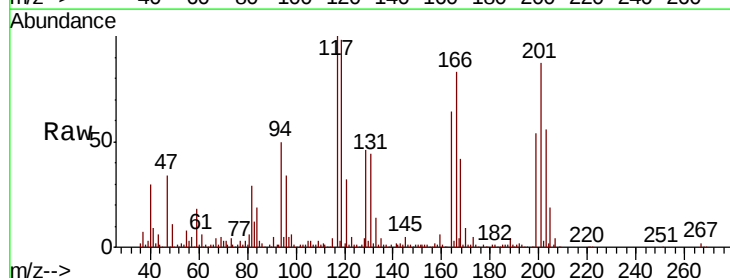


Abundance Ion 91.00 (90.70 to 91.70): VN054477.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN054477.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN054477.D (-3667) (-)

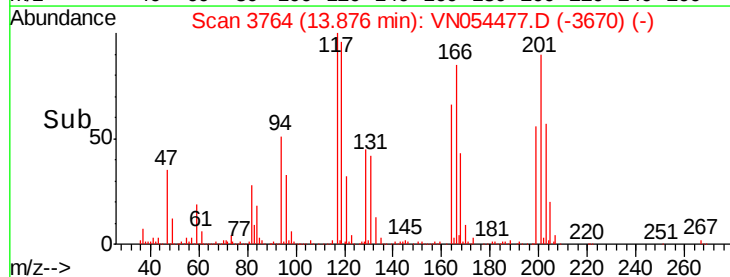
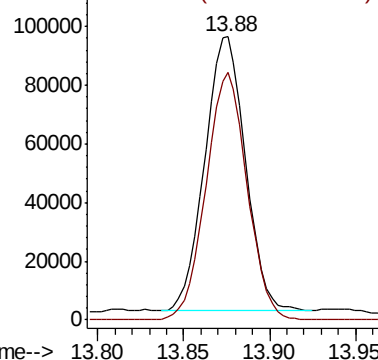


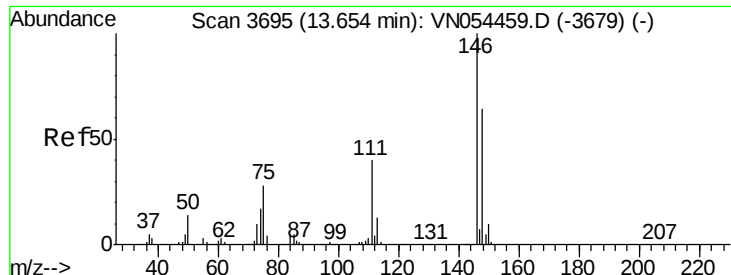
#90
Hexachloroethane
Concen: 42.158 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	48.1	144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054477.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN054477.D (-3749) (-)





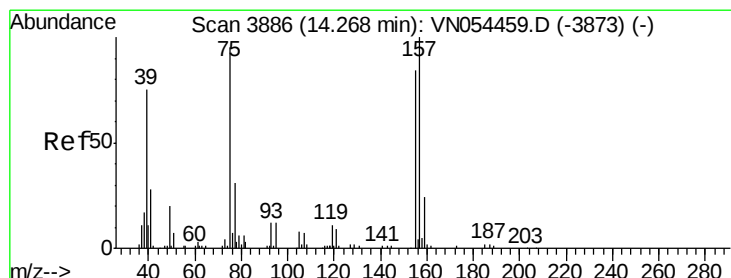
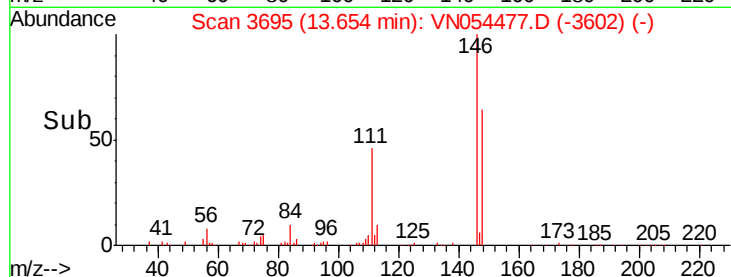
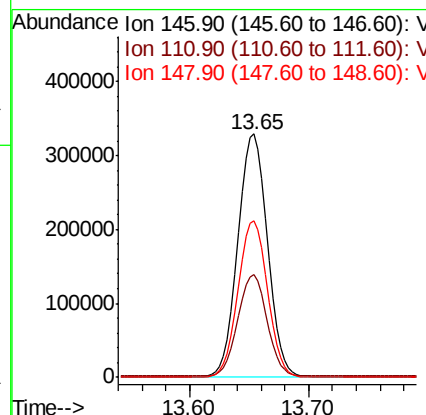
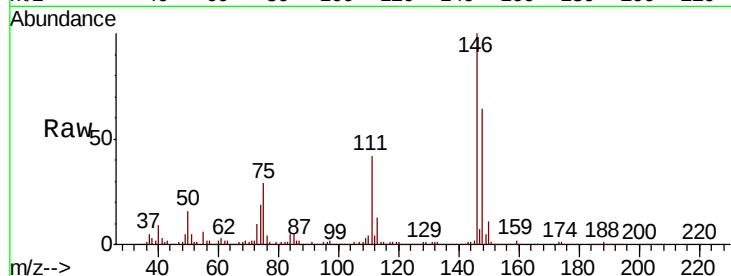
#91
 1,2-Dichlorobenzene
 Concen: 48.230 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.1	57.3
148	64.1	32.4	97.0

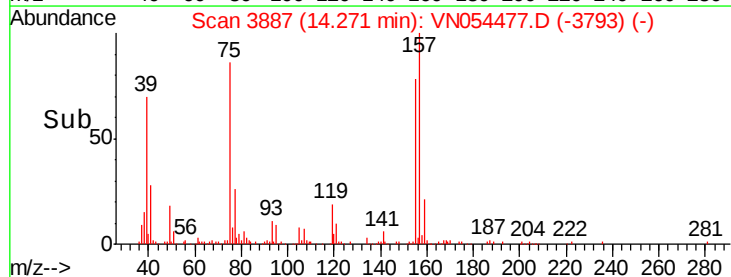
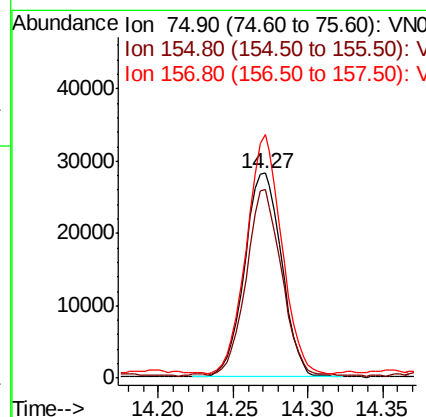
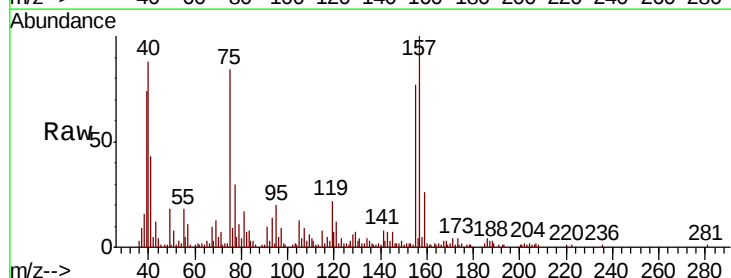
Manual Integrations
 APPROVED

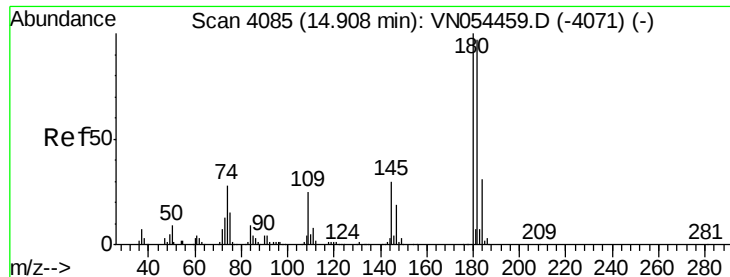
MMDadoda
 3/22/2019 3:48:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.252 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	50.1	150.3
157	110.8	63.1	189.3





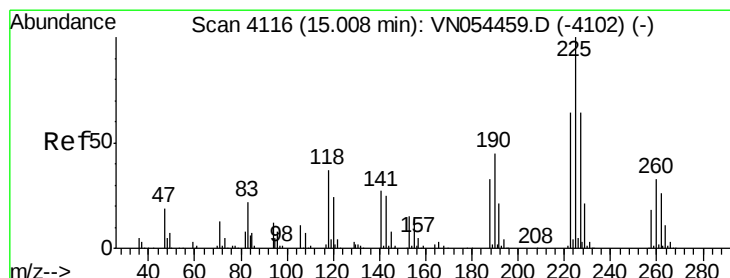
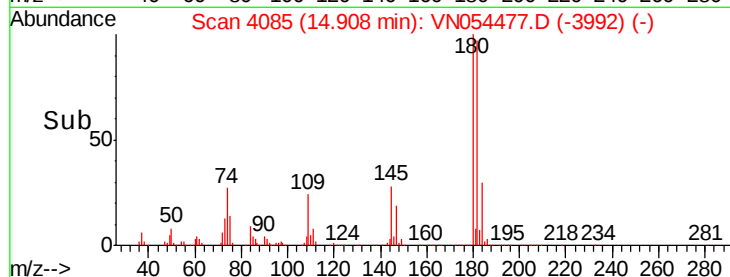
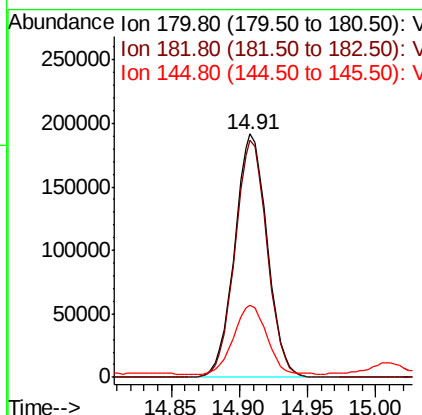
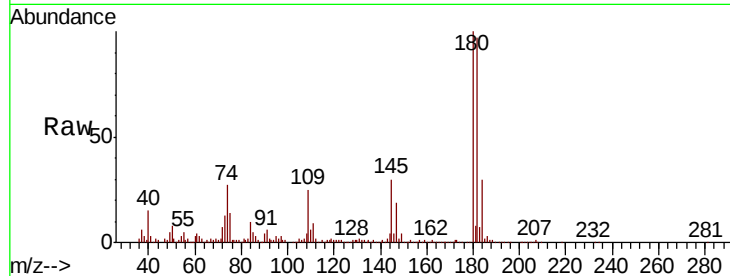
#93
 1,2,4-Trichlorobenzene
 Concen: 54.141 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	317557		
182	96.1	48.0	144.2	
145	29.7	14.2	42.8	

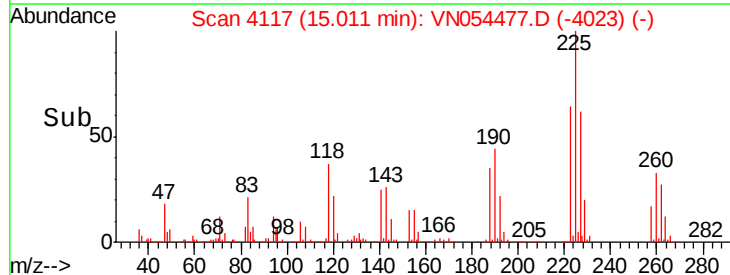
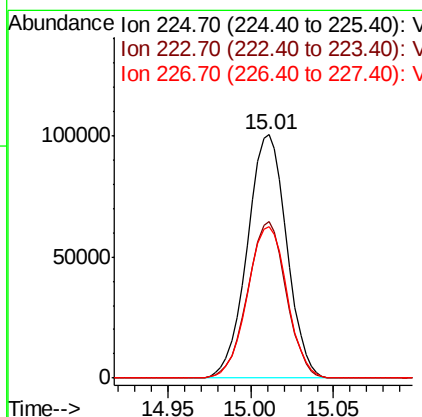
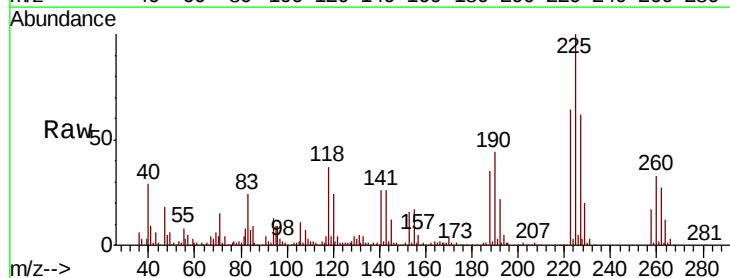
Manual Integrations
 APPROVED

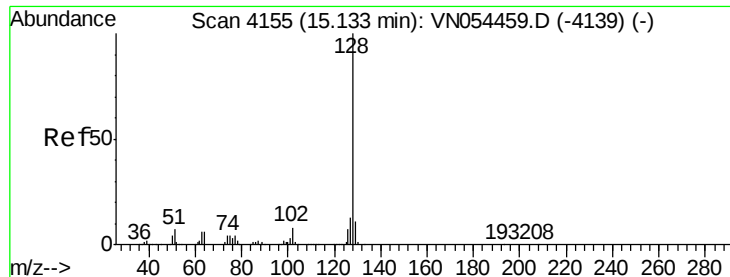
MMDadoda
 3/22/2019 3:48:40 PM



#94
 Hexachlorobutadiene
 Concen: 50.625 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054477.D
 Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166729		
223	63.0	31.1	93.5	
227	62.7	31.9	95.9	





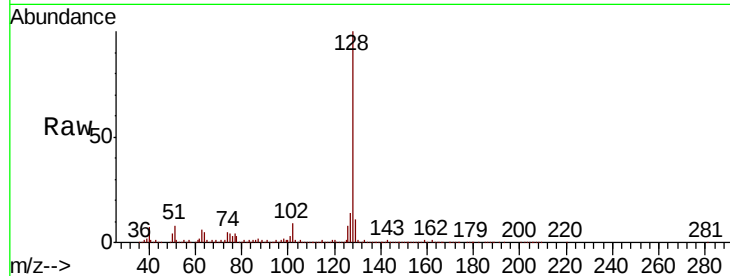
#95
Naphthalene
Concen: 58.452 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:48:40 PM

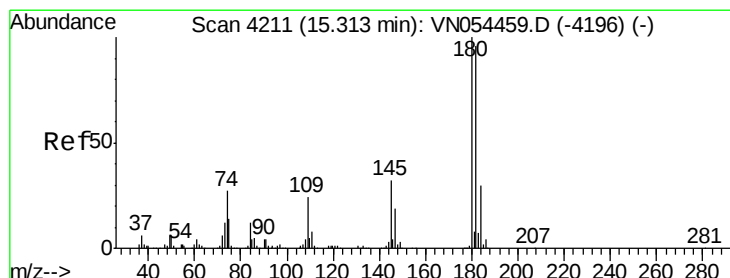
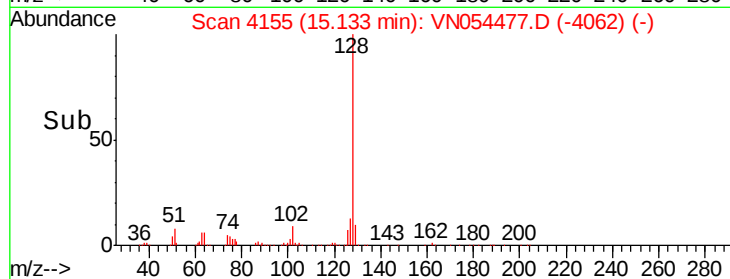
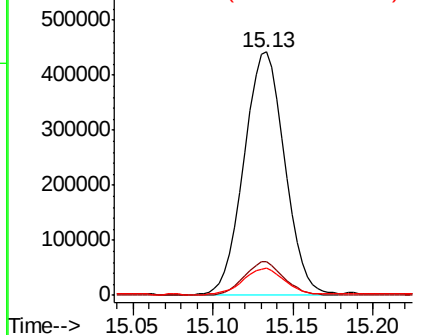


Abundance

Ion 128.00 (127.70 to 128.70): V

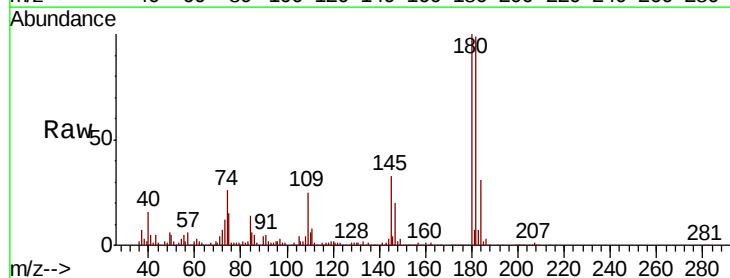
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 54.369 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054477.D
Acq: 20 Mar 2019 21:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	33.3	14.8	44.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

