

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011720\
 Data File : VV014341.D
 Acq On : 17 Jan 2020 17:12
 Operator : SY/MD
 Sample : L1169-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF773

Quant Time: Jan 17 22:56:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 17 22:51:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	791920	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	728847	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	336739	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	232496	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.59	69	199269	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.13	63	281936	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	3.92	46	758102	56.95	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.90%
24) Chloroform-d	4.40	84	491030	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.08	65	260022	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	1061382	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.12	67	340169	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	939725	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.66	79	137715	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.13	63	665157	52.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	248968	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	311554	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3217	0.091	ug/L #	24
12) 1,1-Dichloroethene	2.13	96	3590	0.101	ug/L #	1
13) Acetone	2.30	43	1024733	111.793	ug/L	45
14) Carbon disulfide	2.32	76	9836	0.063	ug/L #	89
15) Methyl Acetate	2.30	43	1024733	48.023	ug/L #	52
22) cis-1,2-Dichloroethene	3.96	96	179219	3.074	ug/L #	98
25) Chloroform	4.42	83	26529	0.266	ug/L	90
27) 1,2-Dichloroethane	5.19	62	19311	0.323	ug/L #	85
34) Trichloroethene	5.96	95	47379	0.821	ug/L	94
35) Methylcyclohexane	6.12	83	79587	0.844	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	35941	0.634	ug/L #	87
48) 2-Hexanone	8.13	43	83626	3.385	ug/L #	71
51) Chlorobenzene	8.92	112	59445	0.408	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	14416	0.137	ug/L	92
63) 1,4-Dichlorobenzene	11.31	146	27435	0.262	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	42675	0.636	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	6770	0.115	ug/L	95

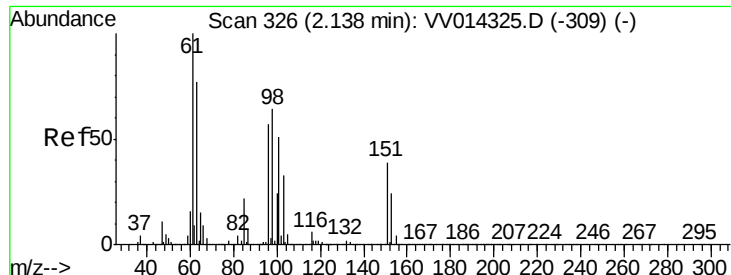
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011720\
Data File : VV014341.D
Acq On : 17 Jan 2020 17:12
Operator : SY/MD
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 17 22:51:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.091 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

BF773

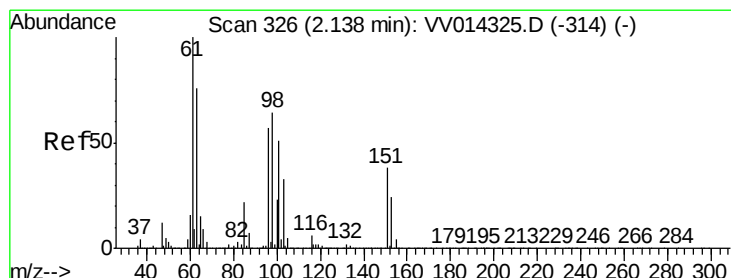
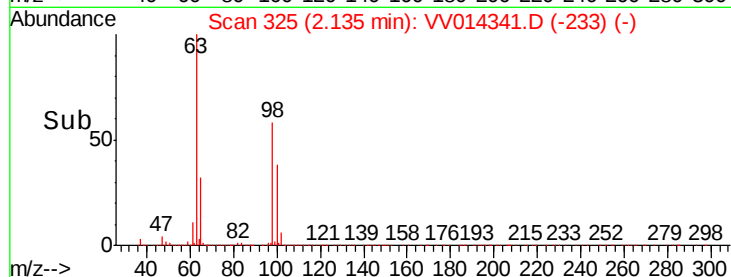
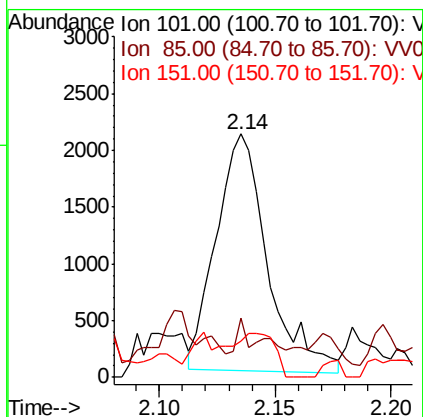
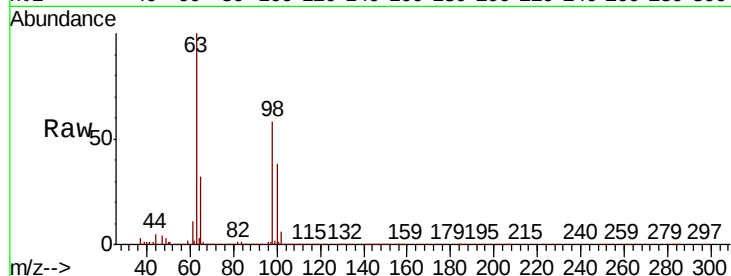
Tot Ion:101 Resp: 3217

Ion Ratio Lower Upper

101 100

85 3.4 34.9 52.3#

151 5.6 62.5 93.7#



#12

1,1-Dichloroethene

Concen: 0.101 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

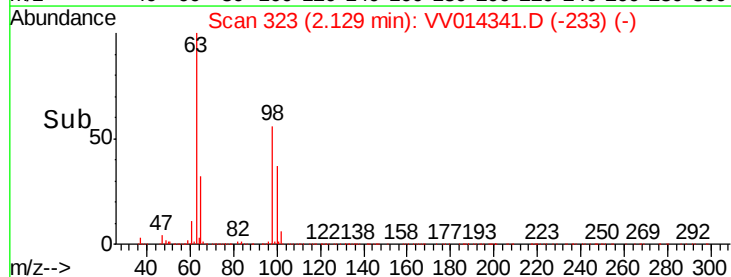
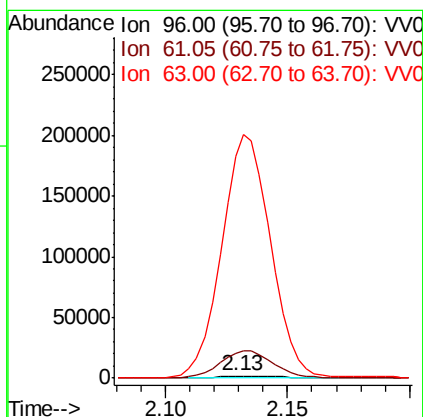
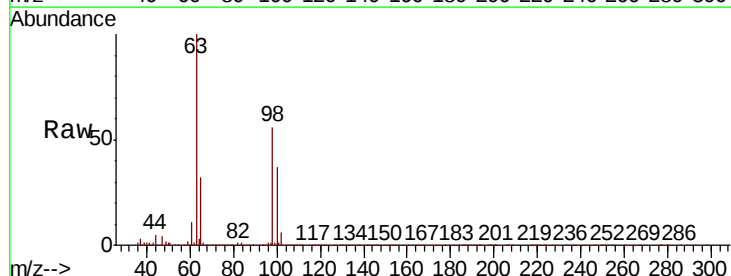
Tgt Ion: 96 Resp: 3590

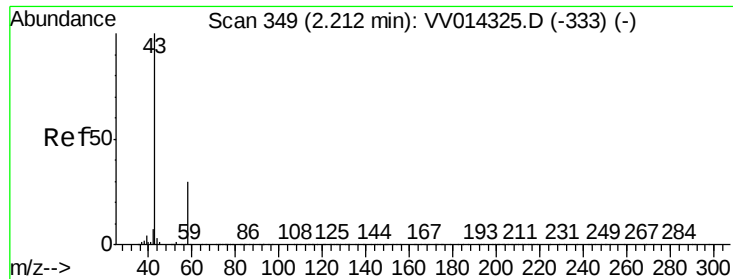
Ion Ratio Lower Upper

96 100

61 1124.7 121.5 225.7#

63 9803.0 90.3 167.7#





#13

Acetone

Concen: 111.793 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.08 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

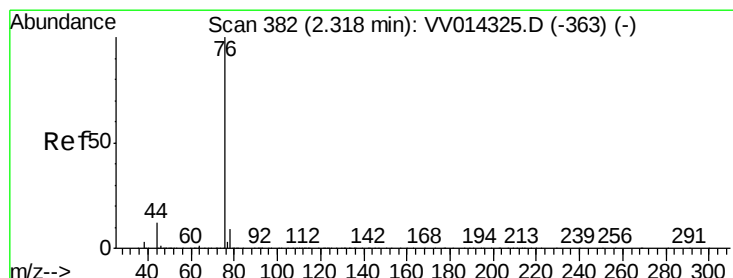
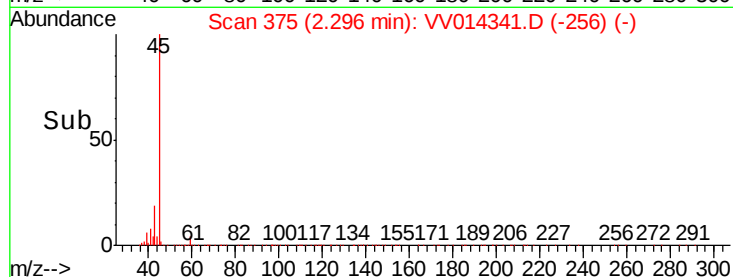
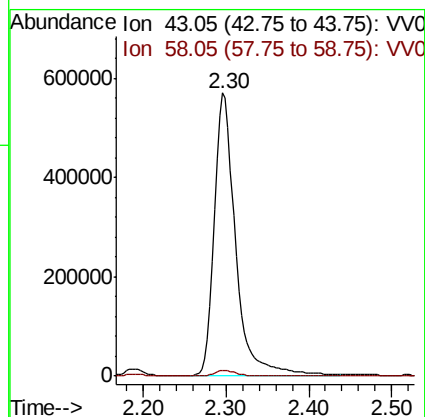
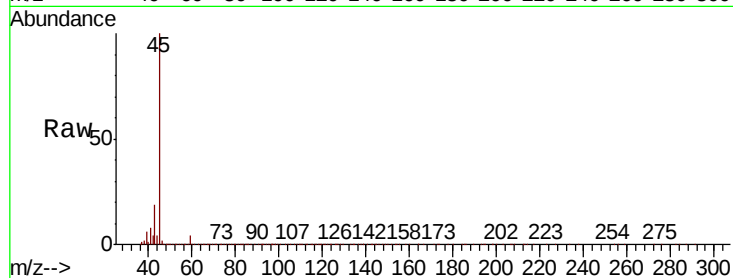
BF773

Tot Ion: 43 Resp: 1024733

Ion Ratio Lower Upper

43 100

58 2.0 0.0 66.0



#14

Carbon disulfide

Concen: 0.063 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014341.D

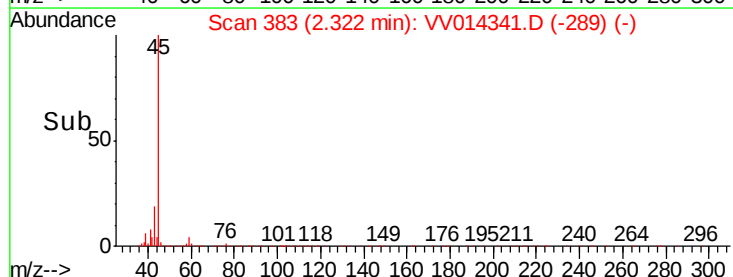
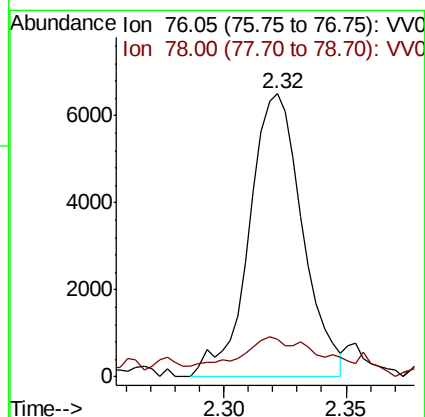
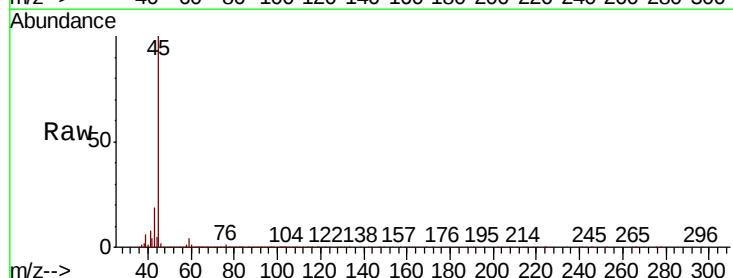
Acq: 17 Jan 2020 17:12

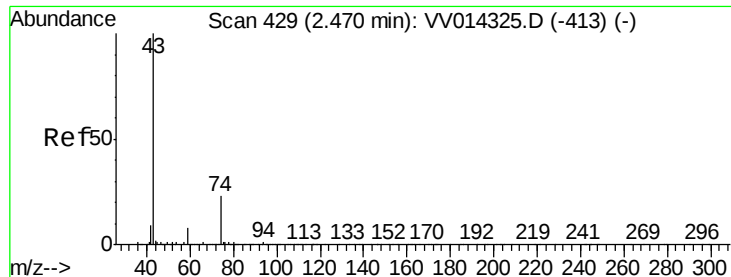
Tgt Ion: 76 Resp: 9836

Ion Ratio Lower Upper

76 100

78 13.5 7.5 11.3#

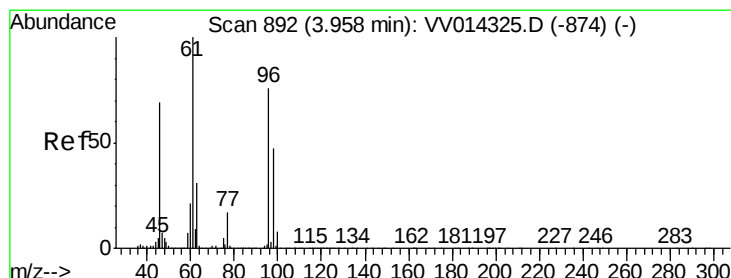
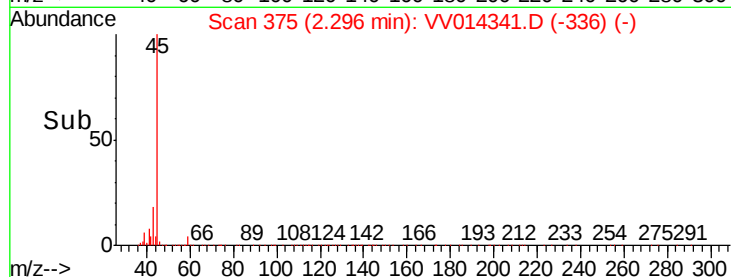
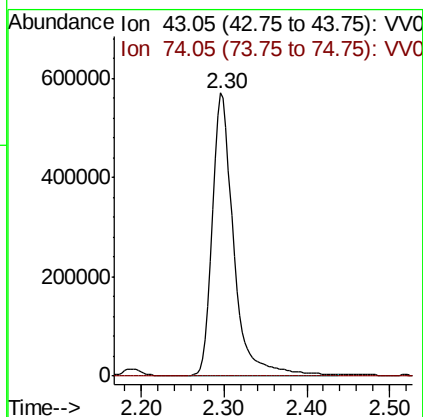
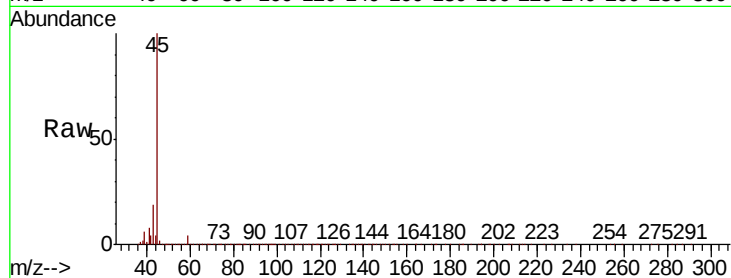




#15
Methvl Acetate
Concen: 48.023 ug/L
RT: 2.30 min Scan# 375
Delta R.T. -0.17 min
Lab File: VV014341.D
Acq: 17 Jan 2020 17:12

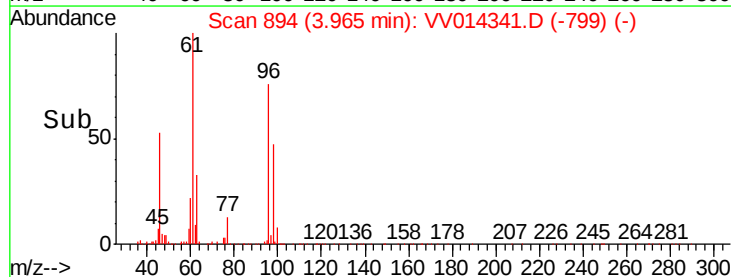
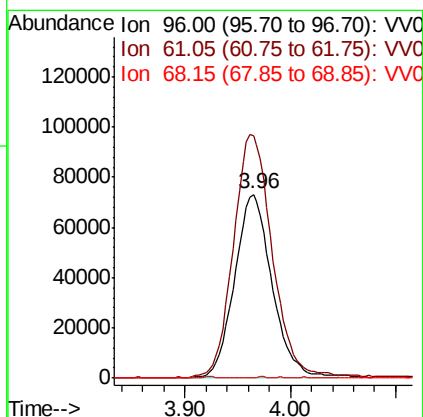
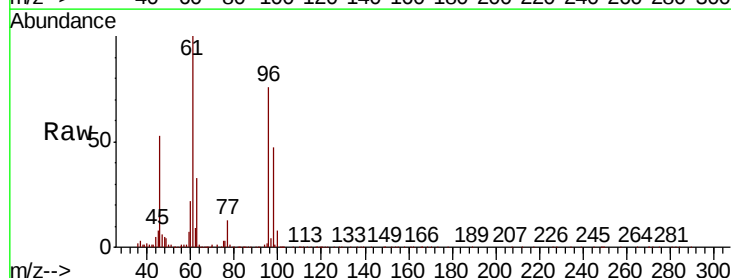
Instrument :
MSVOA_V
ClientSampleId :
BF773

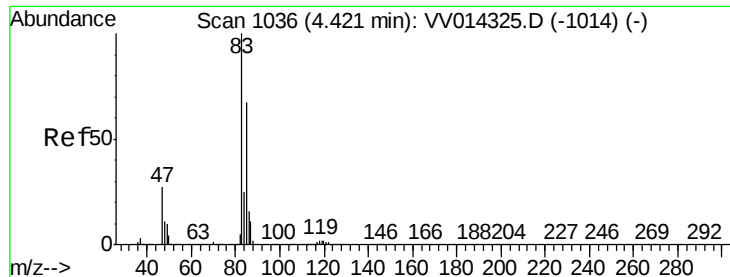
Tot Ion: 43 Resp: 1024733
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#22
cis-1,2-Dichloroethene
Concen: 3.074 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV014341.D
Acq: 17 Jan 2020 17:12

Tgt Ion: 96 Resp: 179219
Ion Ratio Lower Upper
96 100
61 131.8 90.6 168.3
68 0.3 0.3 0.7#





#25

Chloroform

Concen: 0.266 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

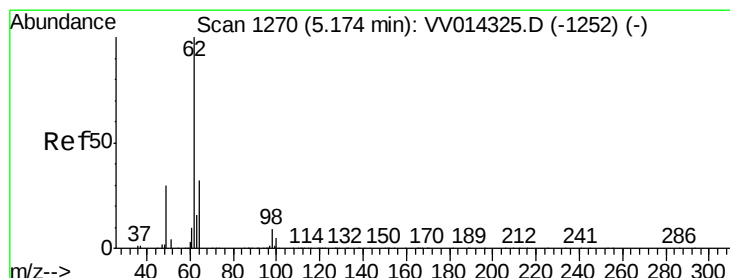
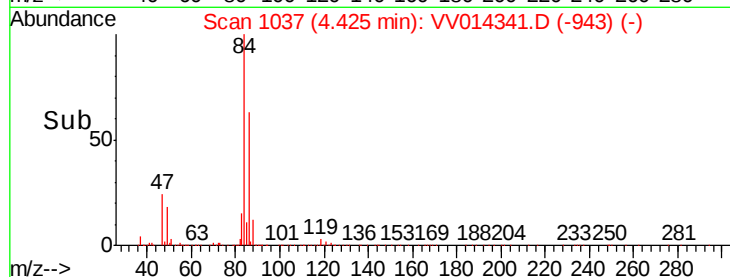
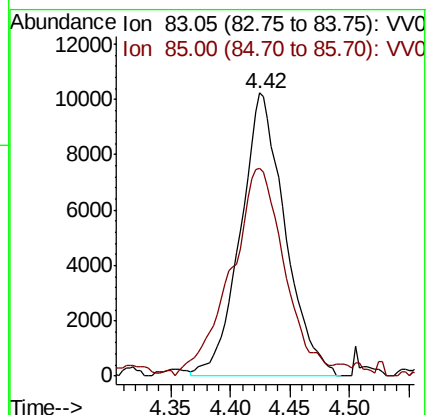
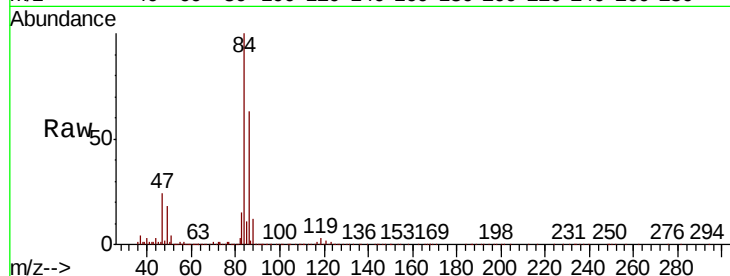
BF773

Tot Ion: 83 Resp: 26529

Ion Ratio Lower Upper

83 100

85 73.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 0.323 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV014341.D

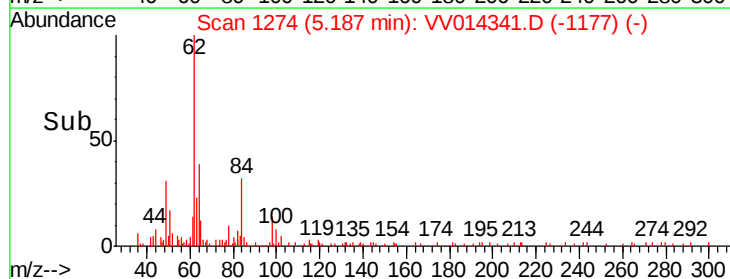
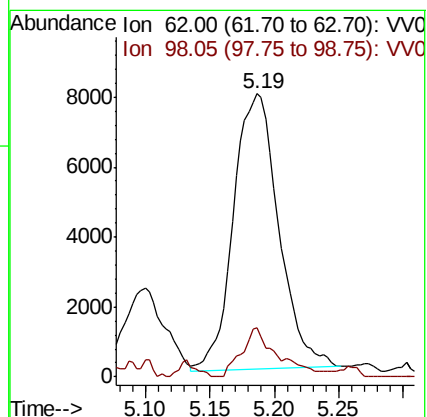
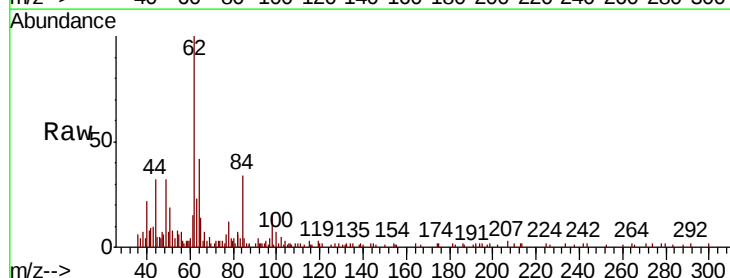
Acq: 17 Jan 2020 17:12

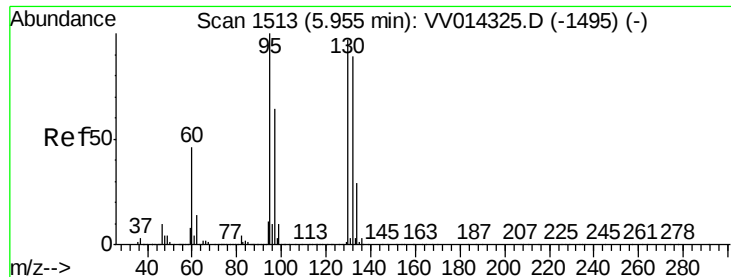
Tgt Ion: 62 Resp: 19311

Ion Ratio Lower Upper

62 100

98 17.3 9.2 13.8#





#34

Trichloroethene

Concen: 0.821 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

BF773

Tot Ion: 95 Resp: 47379

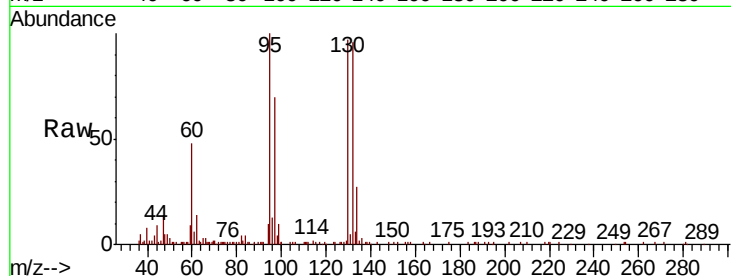
Ion Ratio Lower Upper

95 100

97 69.8 43.8 81.3

132 96.3 63.4 117.8

130 96.5 65.7 122.1

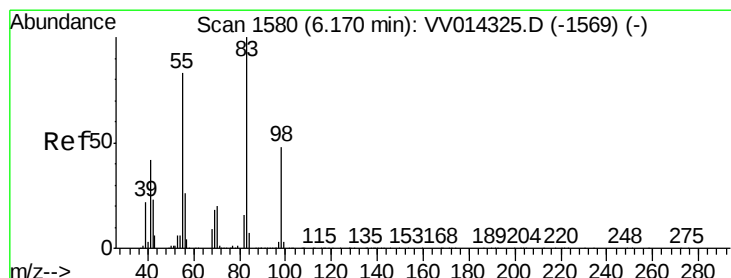
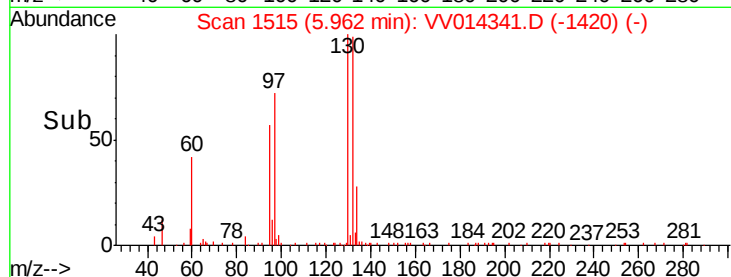
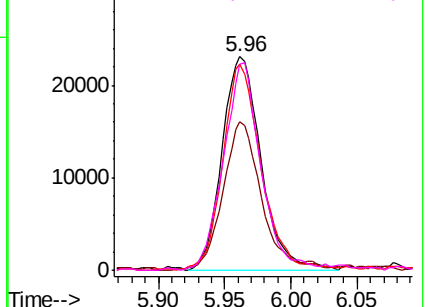


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.844 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

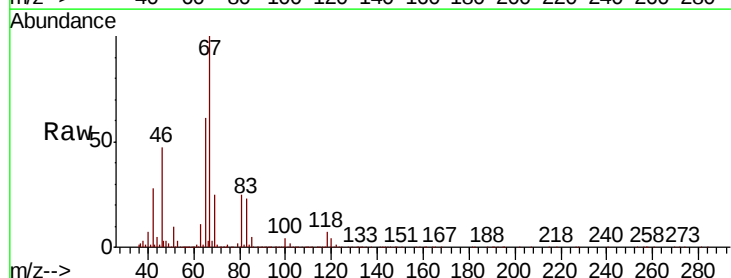
Tgt Ion: 83 Resp: 79587

Ion Ratio Lower Upper

83 100

55 0.6 61.7 92.5#

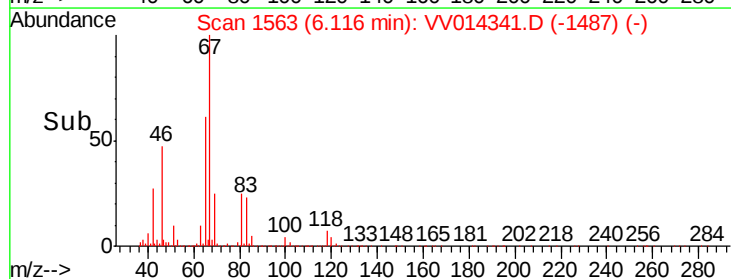
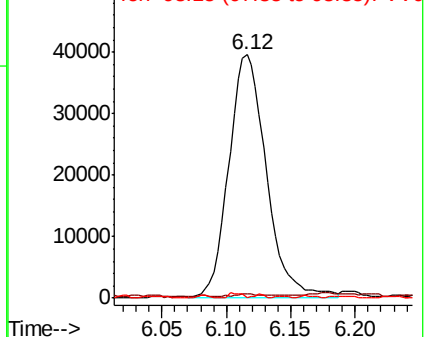
98 0.5 38.1 57.1#

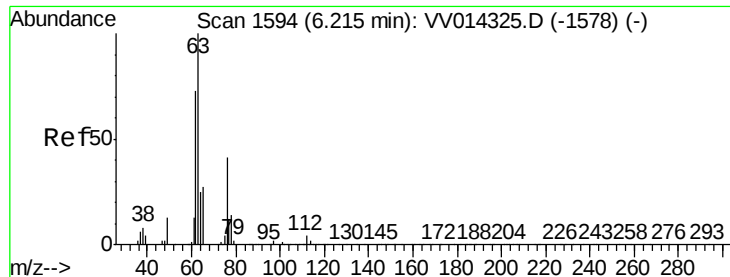


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.634 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

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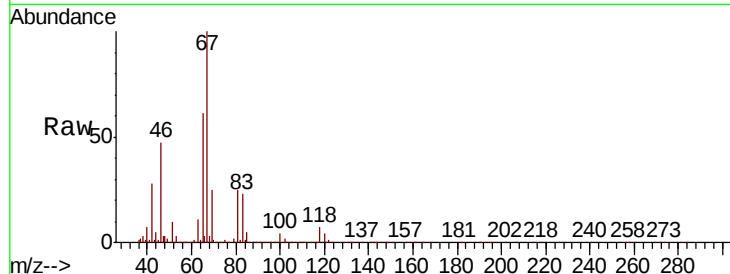
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Tot Ion: 63 Resp: 35941

Ion Ratio Lower Upper

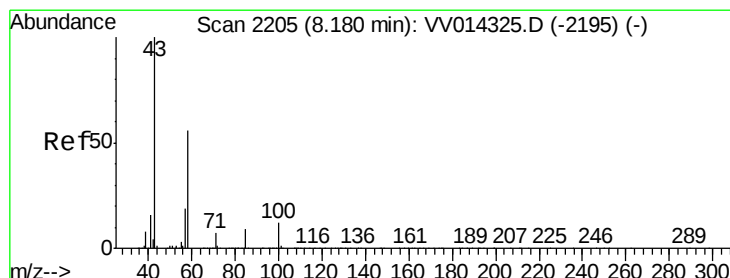
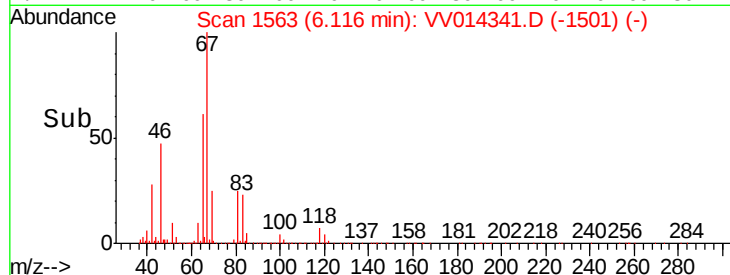
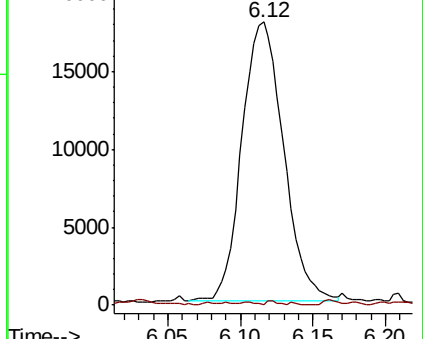
63 100

112 0.4 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#48

2-Hexanone

Concen: 3.385 ug/L

RT: 8.13 min Scan# 2189

Delta R.T. -0.05 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

Tgt Ion: 43 Resp: 83626

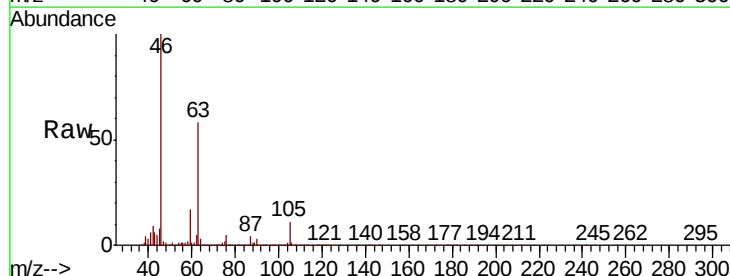
Ion Ratio Lower Upper

43 100

58 28.1 45.4 68.0#

57 19.7 15.8 23.8

100 0.1 10.2 15.4#

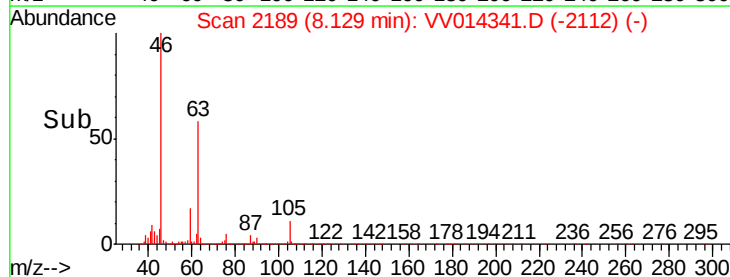
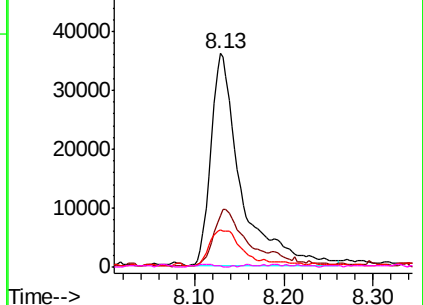


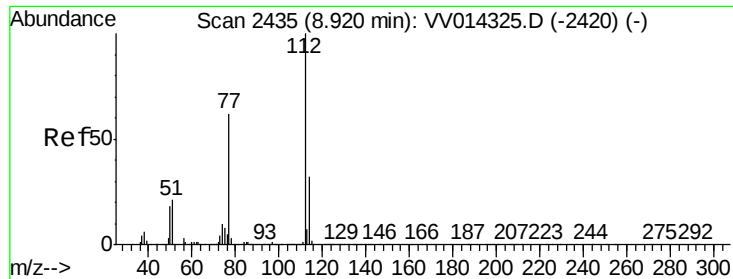
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Chlorobenzene

Concen: 0.408 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV014341.D

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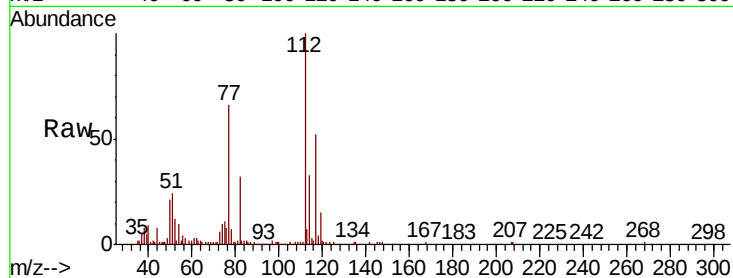
Tot Ion:112 Resp: 59445

Ion Ratio Lower Upper

112 100

114 32.8 22.5 41.7

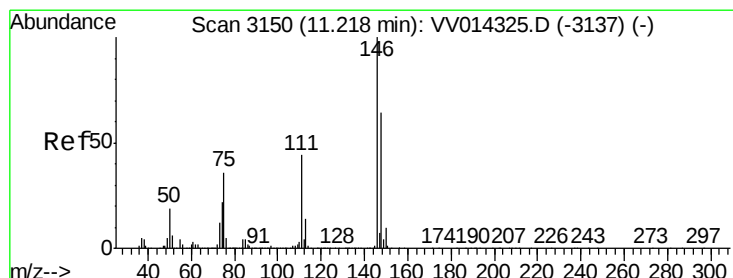
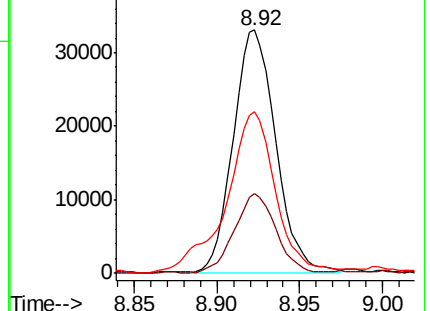
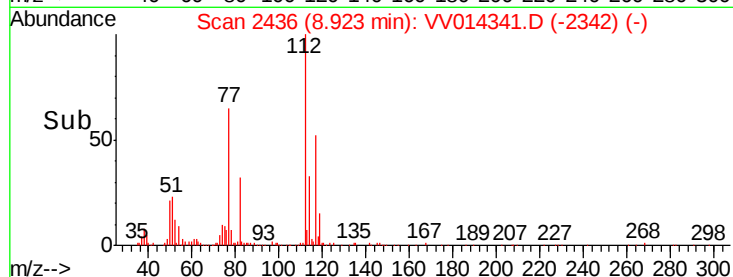
77 66.2 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0



#62

1,3-Dichlorobenzene

Concen: 0.137 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.01 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

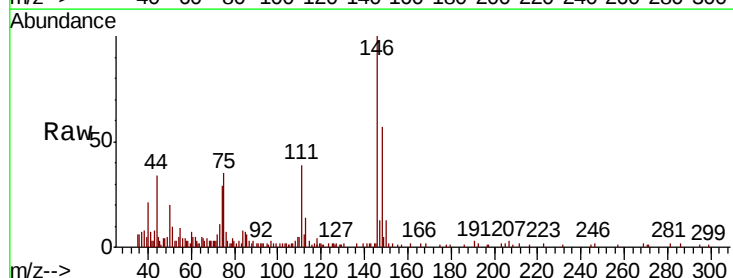
Tgt Ion:146 Resp: 14416

Ion Ratio Lower Upper

146 100

111 39.3 30.7 57.1

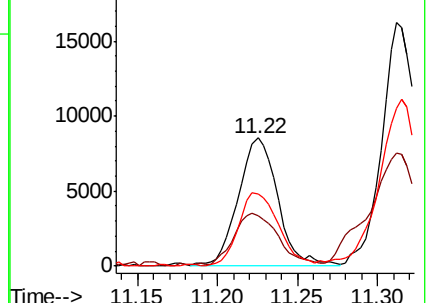
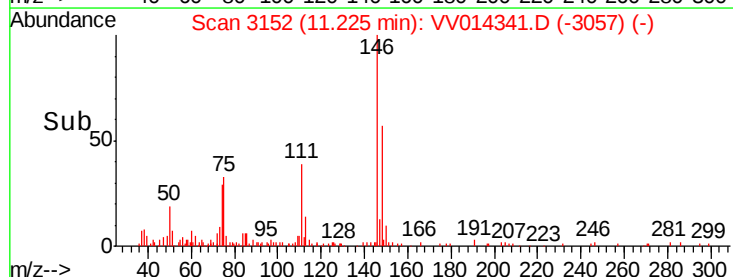
148 56.7 44.4 82.5

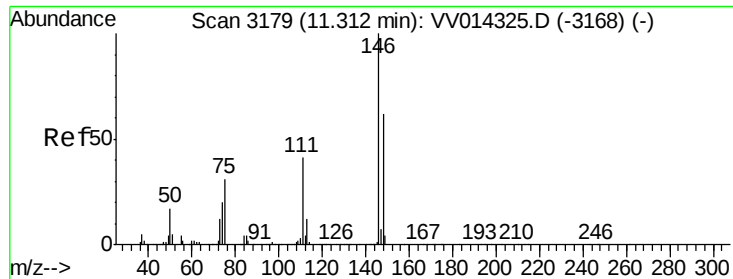


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

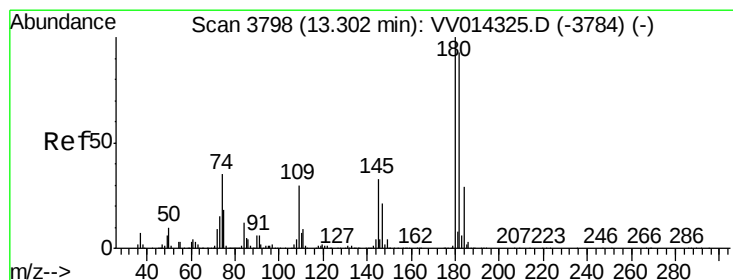
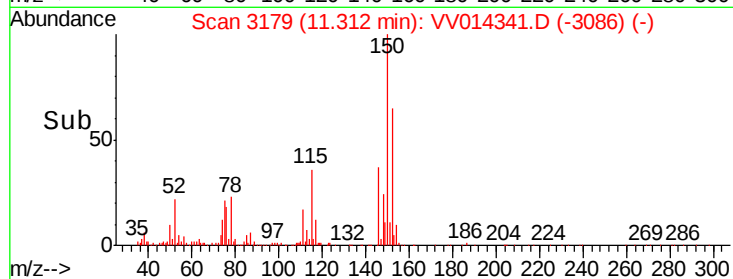
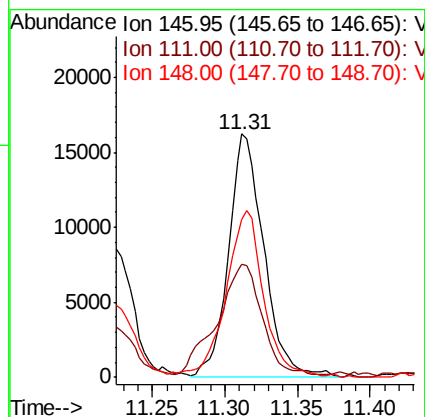
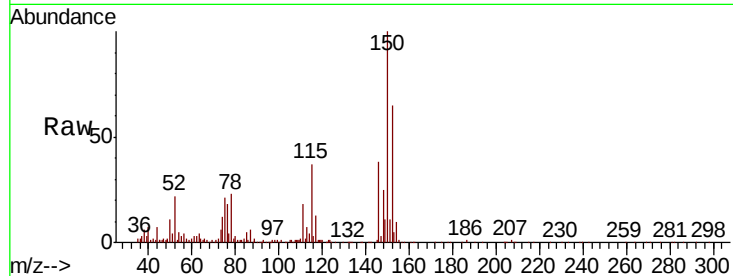




#63
 1,4-Dichlorobenzene
 Concen: 0.262 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014341.D
 Acq: 17 Jan 2020 17:12

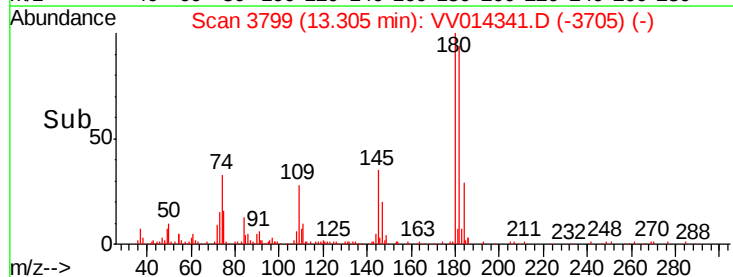
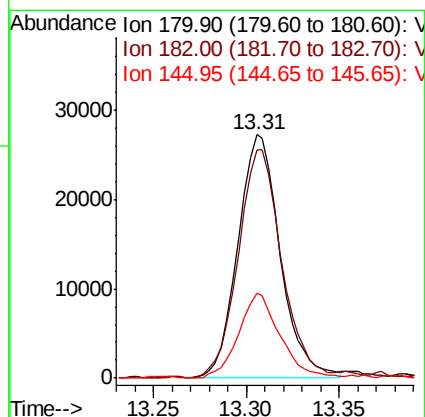
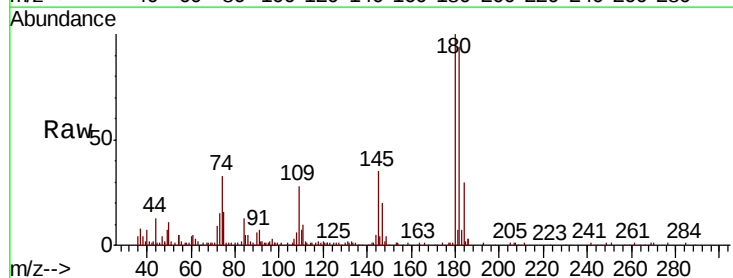
Instrument :
 MSVOA_V
 ClientSampleId :
 BF773

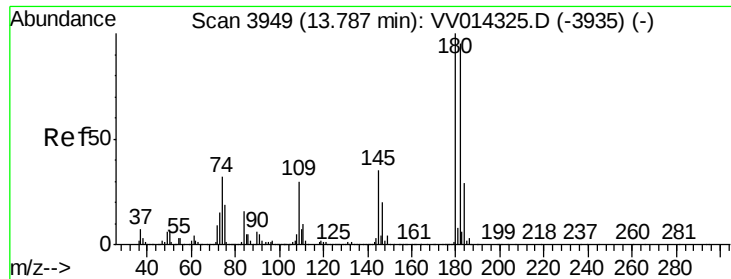
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	28.8	53.4
148	64.9	44.5	82.7



#68
 1,2,4-trichlorobenzene
 Concen: 0.636 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014341.D
 Acq: 17 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.2	112.8
145	34.6	26.2	39.4





#70
 1,2,3-Trichlorobenzene
 Concen: 0.115 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VV014341.D
 Acq: 17 Jan 2020 17:12

Instrument :
 MSVOA_V
 ClientSampleId :
 BF773

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.5	74.8	112.2
145	37.1	29.0	43.6

