

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015537.D
 Acq On : 16 Apr 2020 15:24
 Operator : SY/MD
 Sample : L2320-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR1

Quant Time: Apr 17 02:08:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 17 00:46:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	105447	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	99673	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	48117	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	25749	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.58	69	24654	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.12	63	40880	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.96	46	77065	50.16	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.32%
24) Chloroform-d	4.38	84	55180	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.06	65	31739	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.07	84	108206	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.10	67	33981	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.34	98	98386	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.65	79	13132	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.12	63	63195	43.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.50%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	23580	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	37503	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

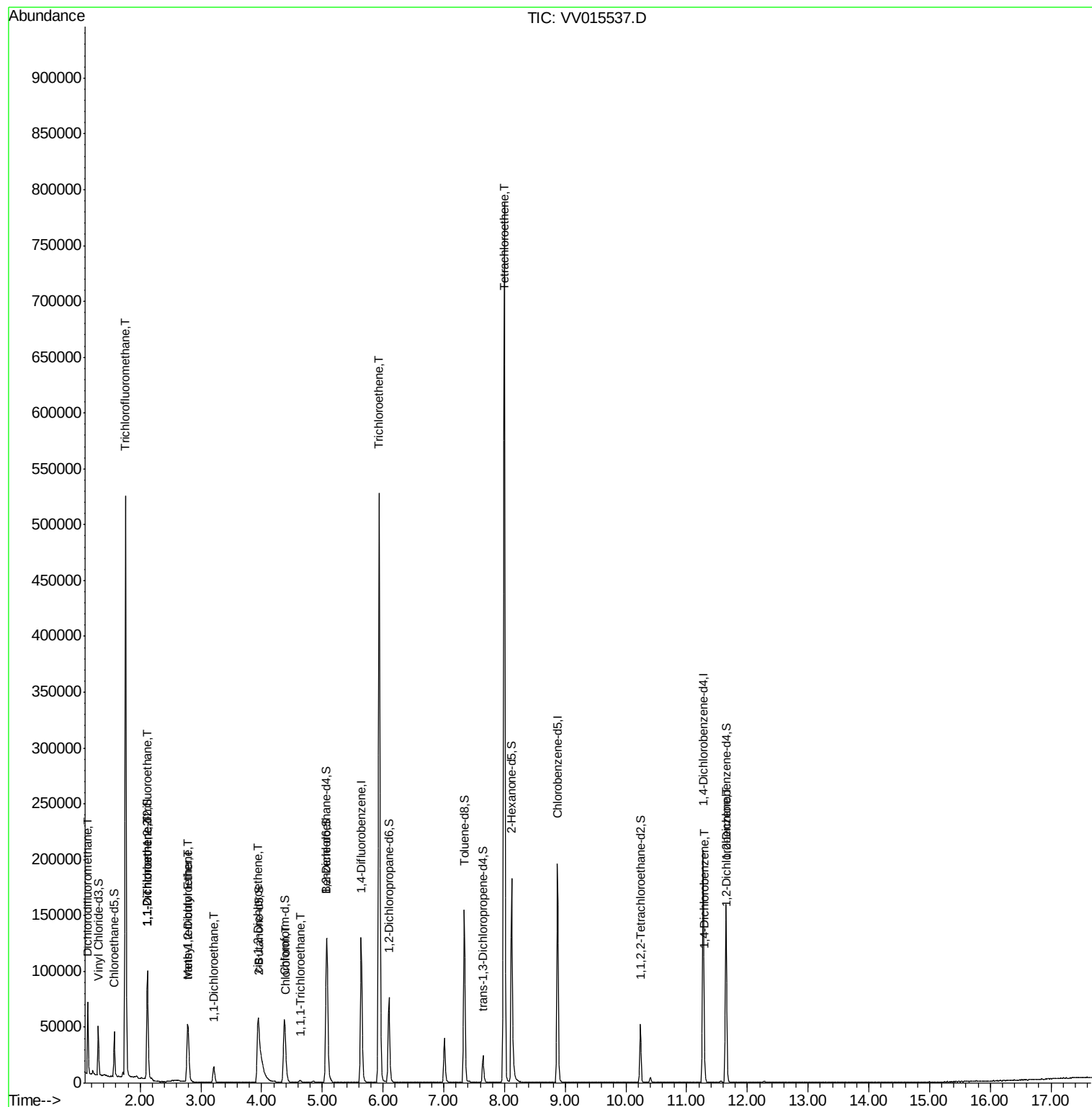
					Ovalue
2) Dichlorodifluoromethane	1.14	85	21961	2.104	ug/L 98
9) Trichlorofluoromethane	1.76	101	299334	24.445	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6825	0.987	ug/L 98
12) 1,1-Dichloroethene	2.13	96	5632	0.851	ug/L # 7
17) Methyl tert-butyl Ether	2.79	73	38065	2.152	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	8817	1.182	ug/L 96
19) 1,1-Dichloroethane	3.21	63	14748	1.049	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	18314	2.365	ug/L 95
25) Chloroform	4.40	83	7269	0.505	ug/L 96
29) 1,1,1-Trichloroethane	4.63	97	1818	0.141	ug/L 93
34) Trichloroethene	5.94	95	179924	22.408	ug/L 100
47) Tetrachloroethene	8.00	164	162523	27.319	ug/L 98
63) 1,4-Dichlorobenzene	11.30	146	4065	0.257	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	2797	0.198	ug/L 92

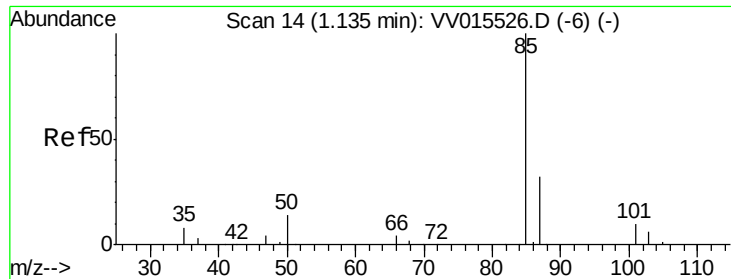
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 17 00:46:36 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.104 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015537.D

Acq: 16 Apr 2020 15:24

Instrument :

MSVOA_V

ClientSampleId :

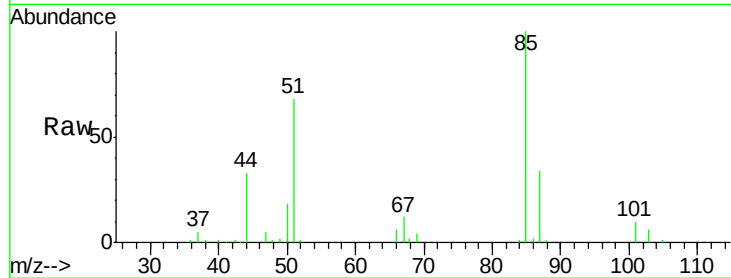
BFRR1

Tot Ion: 85 Resp: 21961

Ion Ratio Lower Upper

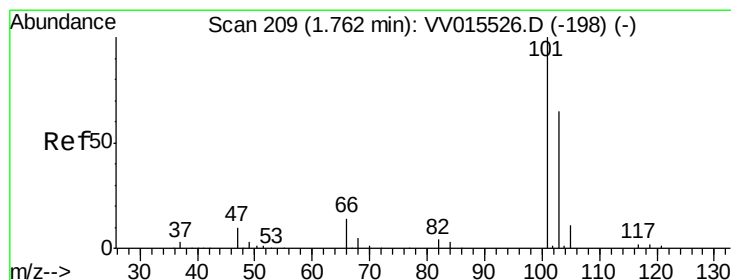
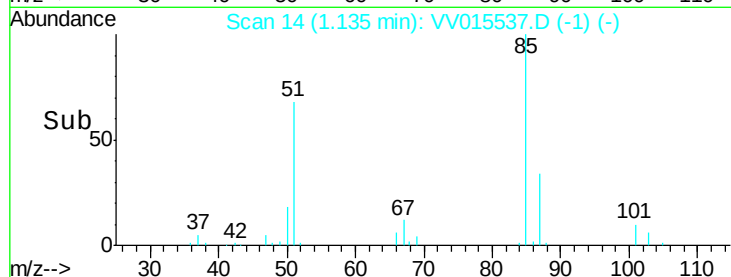
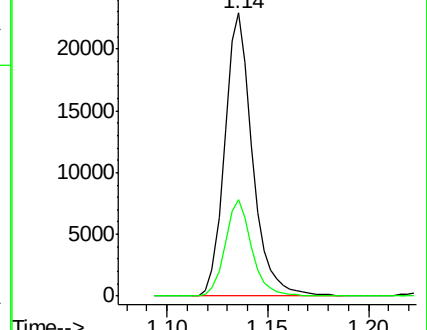
85 100

87 32.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV015526.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015526.D (-6) (-)



#9

Trichlorofluoromethane

Concen: 24.445 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015537.D

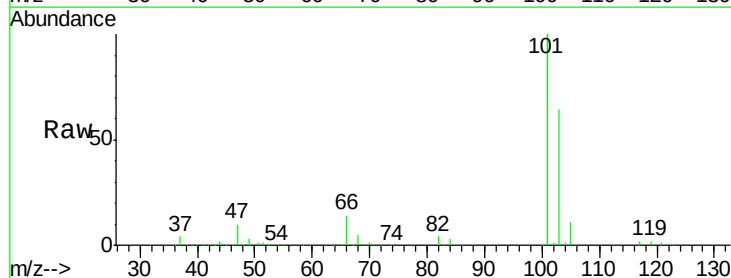
Acq: 16 Apr 2020 15:24

Tgt Ion:101 Resp: 299334

Ion Ratio Lower Upper

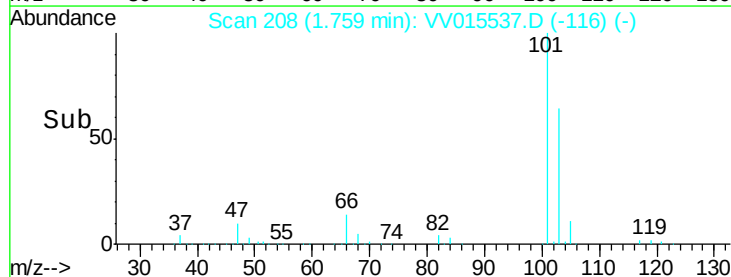
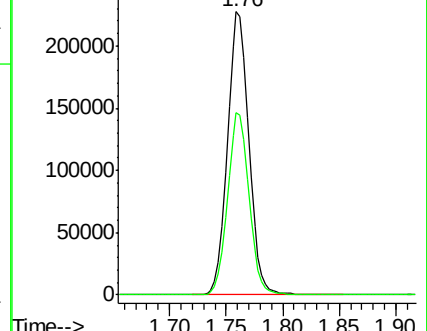
101 100

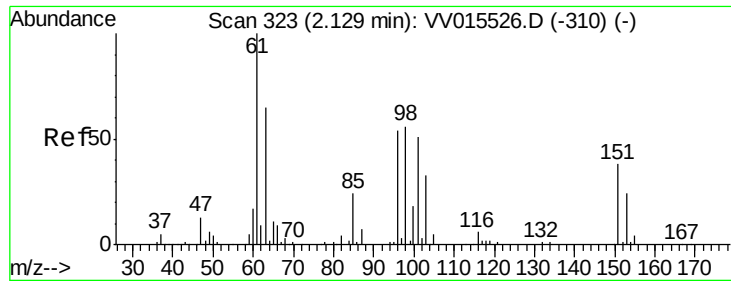
103 64.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015526.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015526.D (-198) (-)





#10

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

Concen: 0.987 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015537.D

Acq: 16 Apr 2020 15:24

Instrument :

MSVOA_V

ClientSampled :

BFRR1

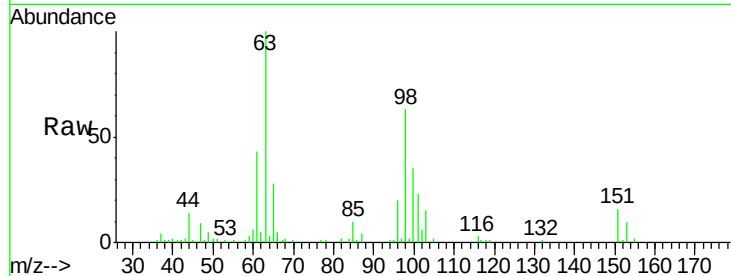
Tot Ion:101 Resp: 6825

Ion Ratio Lower Upper

101 100

85 43.9 36.3 54.5

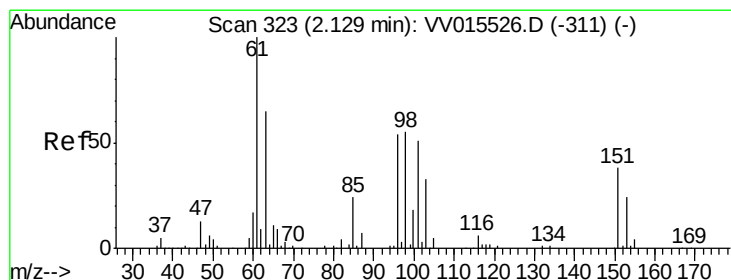
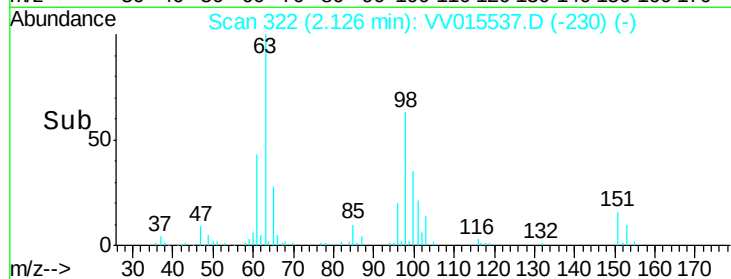
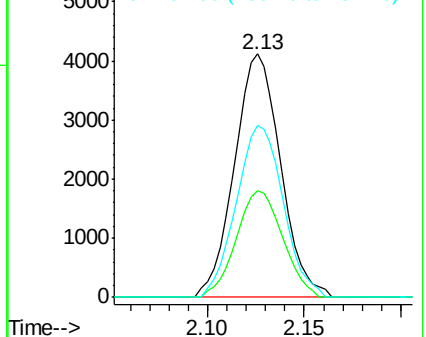
151 71.7 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.851 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015537.D

Acq: 16 Apr 2020 15:24

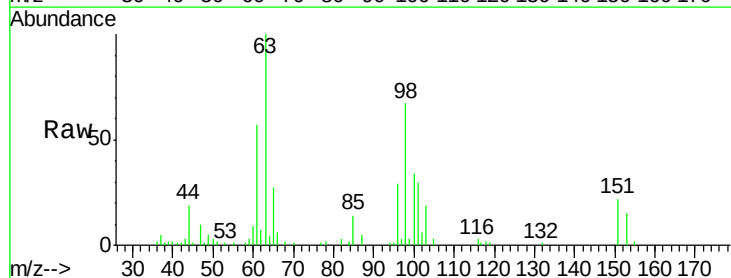
Tgt Ion: 96 Resp: 5632

Ion Ratio Lower Upper

96 100

61 198.0 127.7 237.1

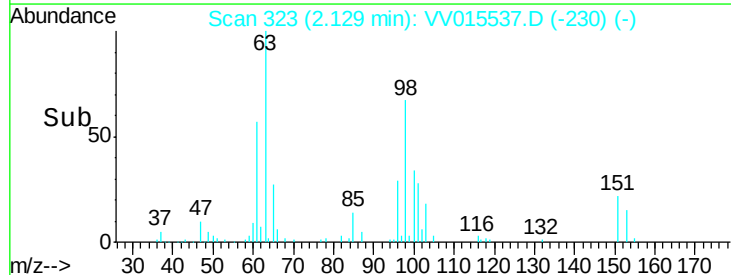
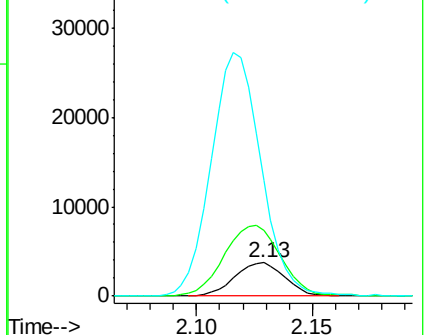
63 348.1 75.1 139.5#

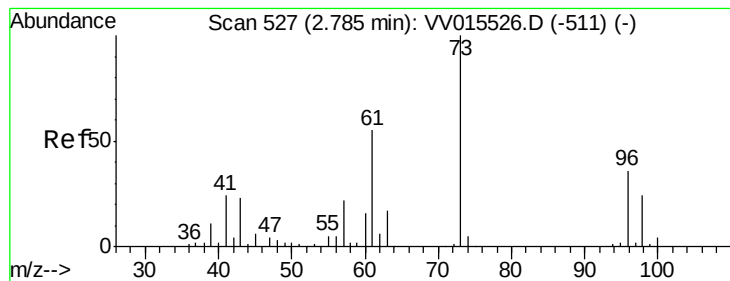


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



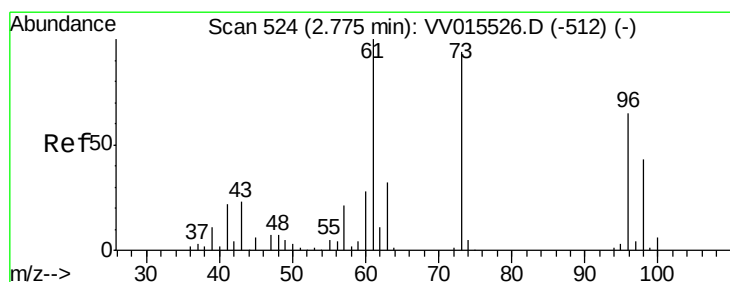
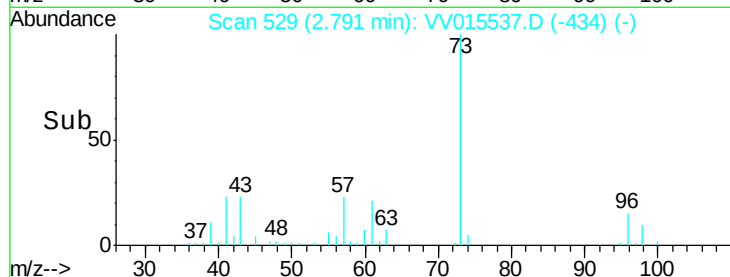
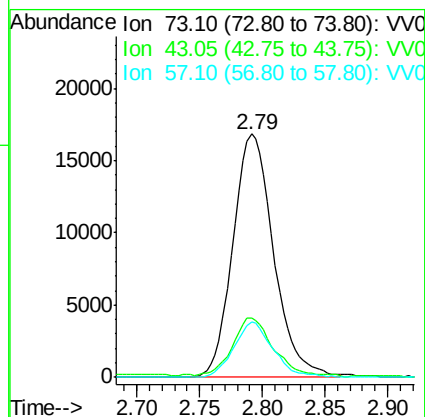
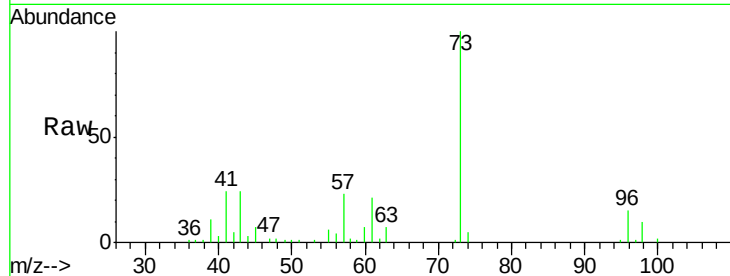


#17

Methyl tert-butyl Ether
 Concen: 2.152 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VV015537.D
 Acq: 16 Apr 2020 15:24

Instrument :
 MSVOA_V
 ClientSampled :
 BFRR1

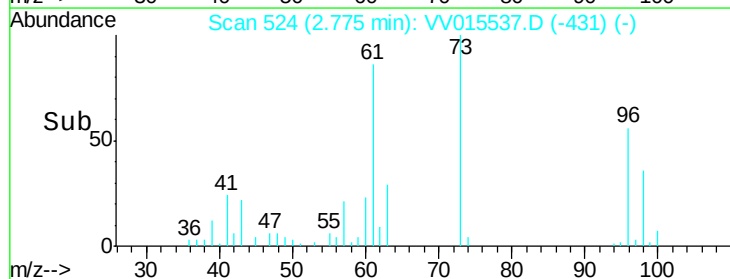
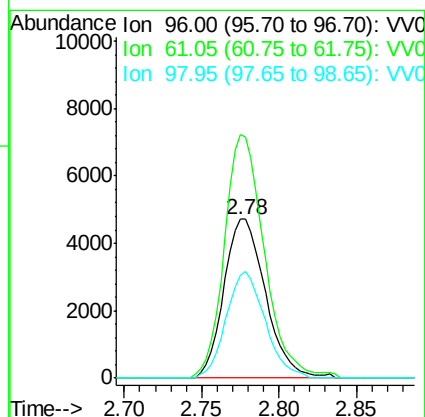
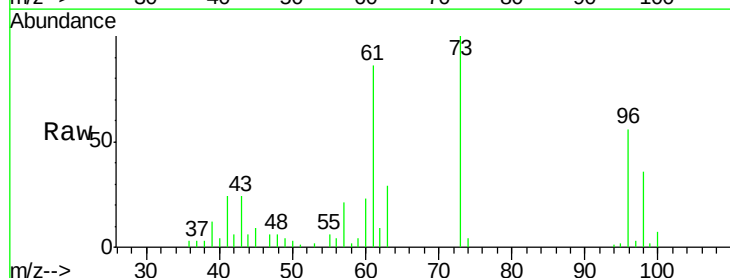
Tot Ion	Ratio	Lower	Upper
73	100		
43	23.5	18.3	27.5
57	21.8	18.4	27.6

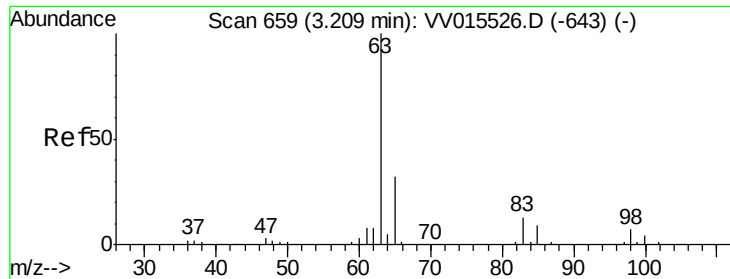


#18

trans-1,2-Dichloroethene
 Concen: 1.182 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV015537.D
 Acq: 16 Apr 2020 15:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	104.4	194.0
98	65.0	42.8	79.4

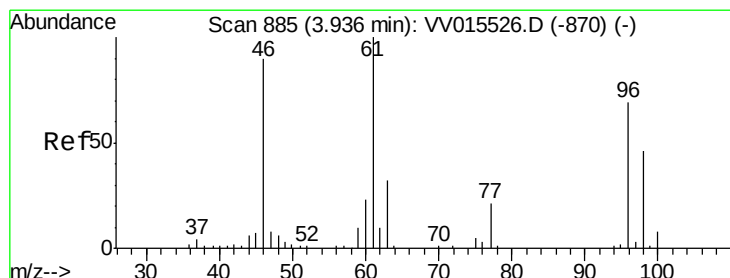
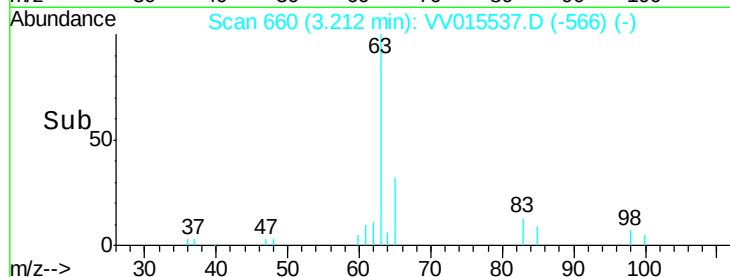
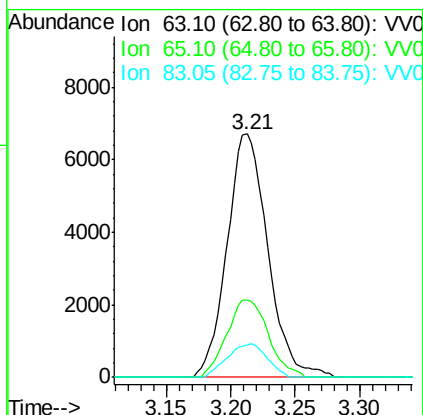
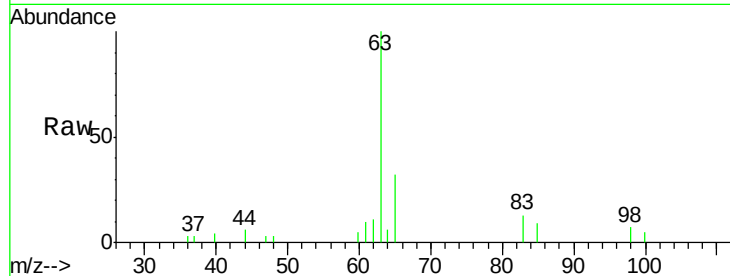




#19
 1,1-Dichloroethane
 Concen: 1.049 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015537.D
 Acq: 16 Apr 2020 15:24

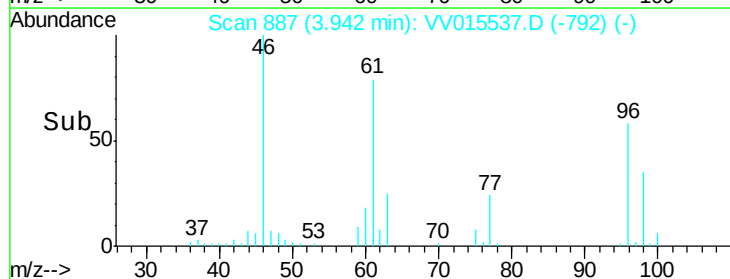
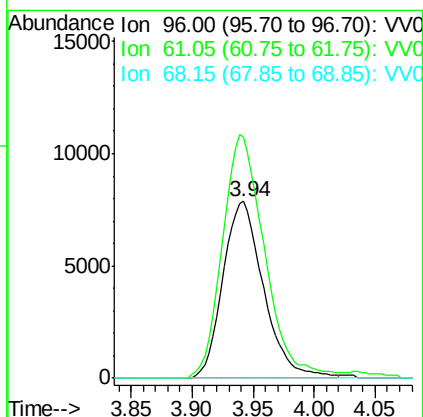
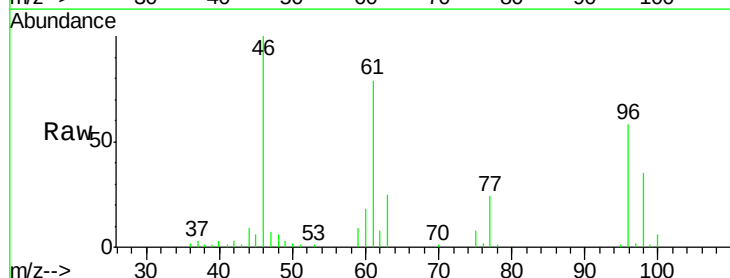
Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR1

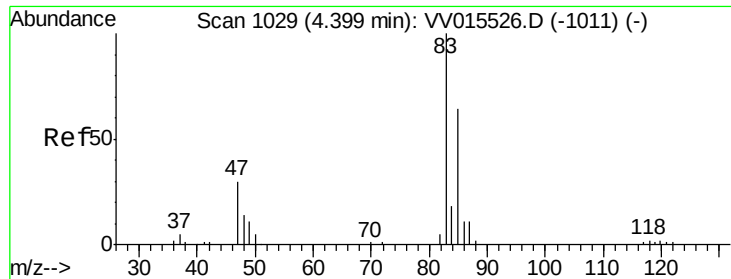
Tot Ion: 63 Resp: 14748
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.3 39.6
 83 13.3 9.4 17.6



#22
 cis-1,2-Dichloroethene
 Concen: 2.365 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV015537.D
 Acq: 16 Apr 2020 15:24

Tgt Ion: 96 Resp: 18314
 Ion Ratio Lower Upper
 96 100
 61 136.8 100.0 185.8
 68 0.0 0.0 0.0

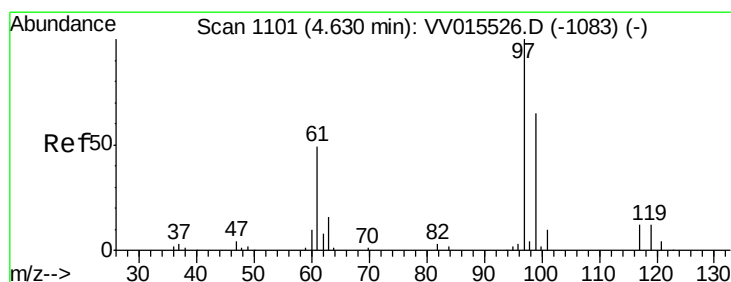
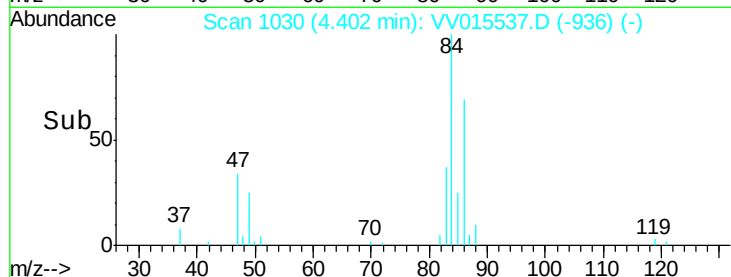
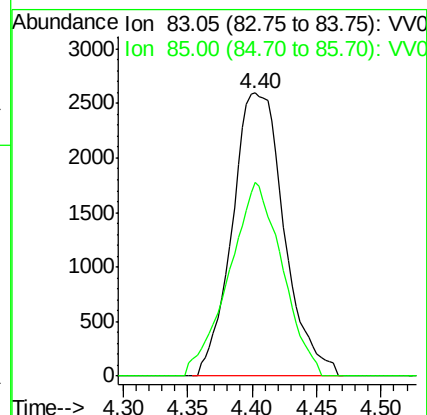
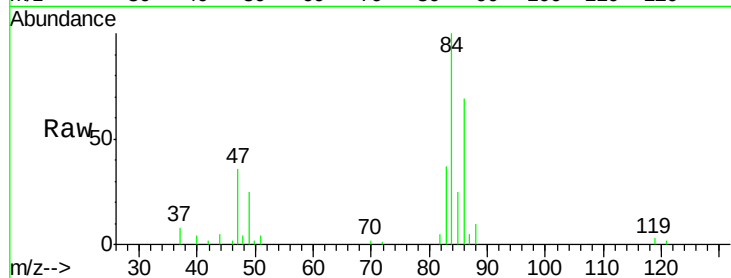




#25
Chloroform
Concen: 0.505 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015537.D
Acq: 16 Apr 2020 15:24

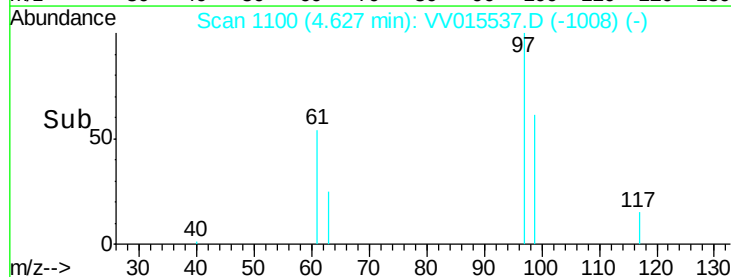
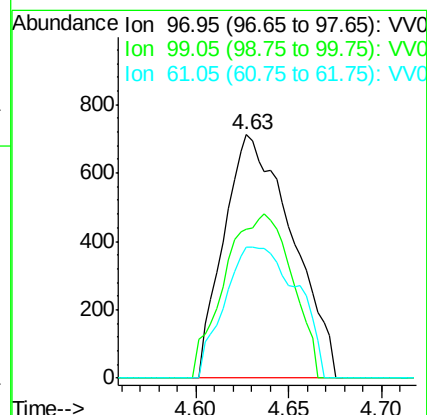
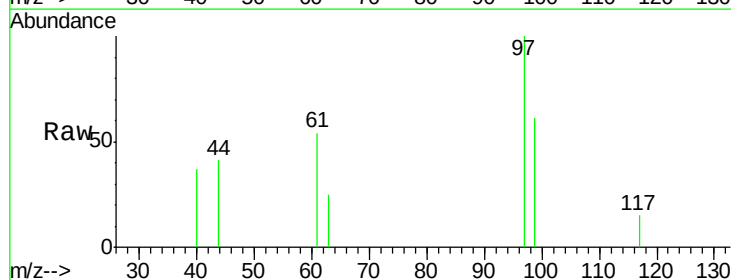
Instrument :
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ClientSampleId :
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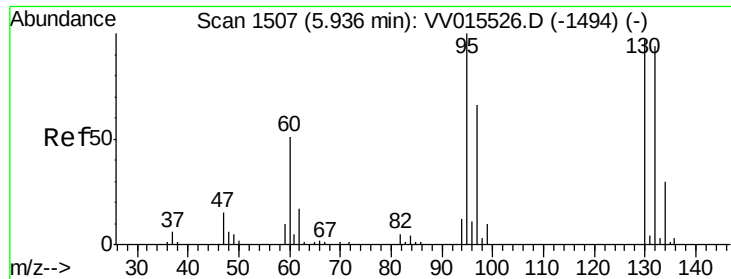
Tot Ion: 83 Resp: 7269
Ion Ratio Lower Upper
83 100
85 68.5 45.9 85.3



#29
1,1,1-Trichloroethane
Concen: 0.141 ug/L
RT: 4.63 min Scan# 1100
Delta R.T. -0.00 min
Lab File: VV015537.D
Acq: 16 Apr 2020 15:24

Tgt Ion: 97 Resp: 1818
Ion Ratio Lower Upper
97 100
99 66.5 51.6 77.4
61 57.2 39.0 58.6





#34

Trichloroethene

Concen: 22.408 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015537.D

Acq: 16 Apr 2020 15:24

Instrument :

MSVOA_V

ClientSampled :

BFR1

Tot Ion: 95 Resp: 179924

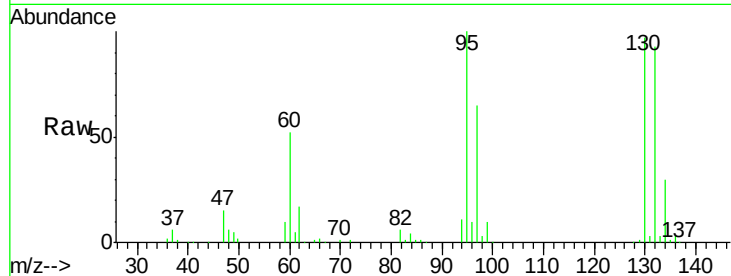
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.4

132 92.6 64.8 120.4

130 97.4 67.4 125.2

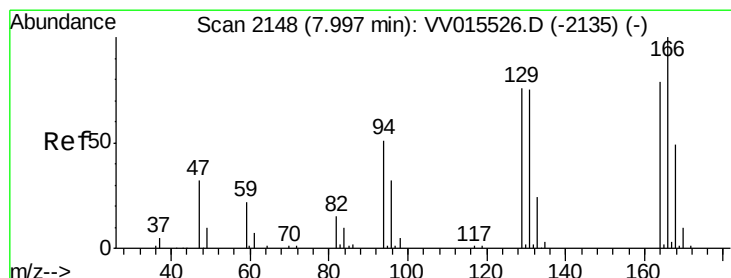
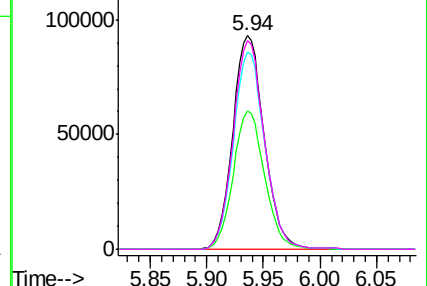
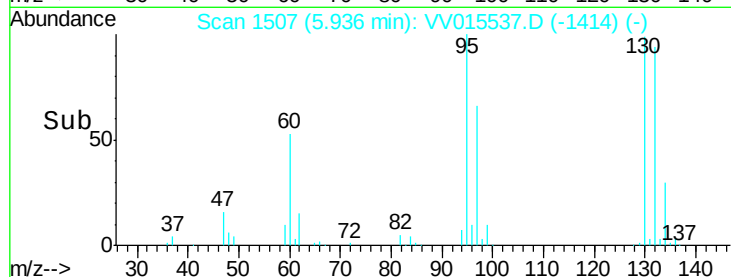


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 27.319 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015537.D

Acq: 16 Apr 2020 15:24

Tgt Ion: 164 Resp: 162523

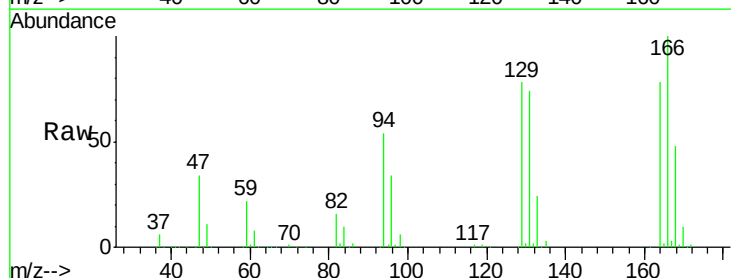
Ion Ratio Lower Upper

164 100

129 98.9 70.6 131.0

131 94.9 68.3 126.8

166 127.4 88.3 163.9

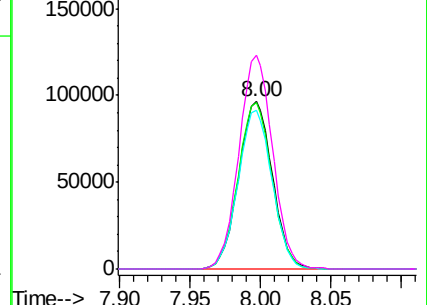
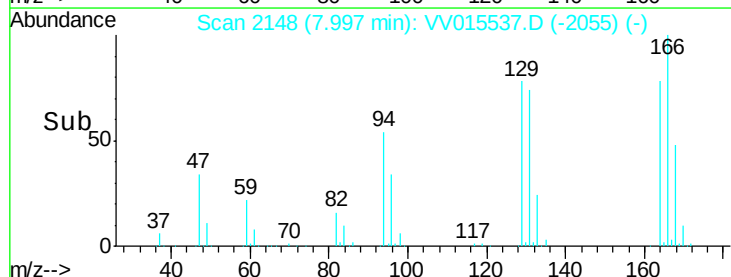


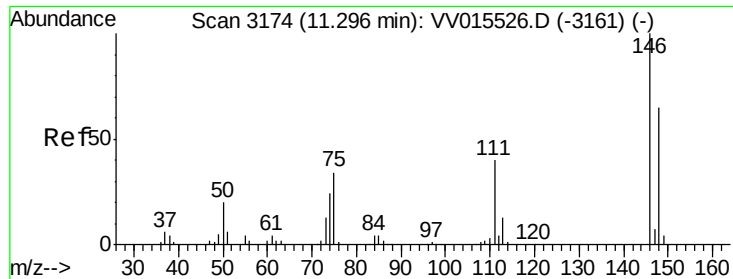
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

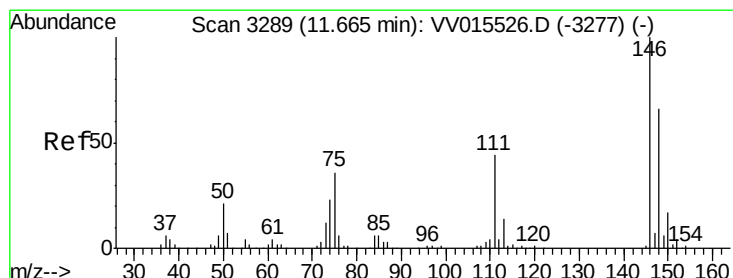
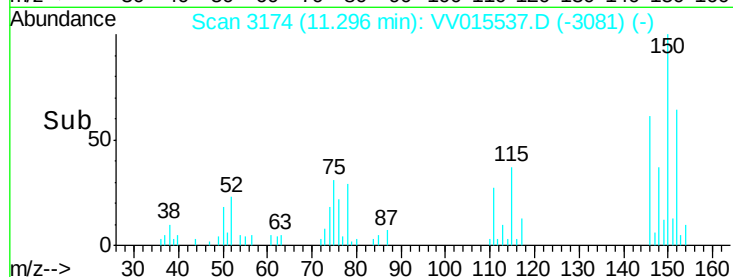
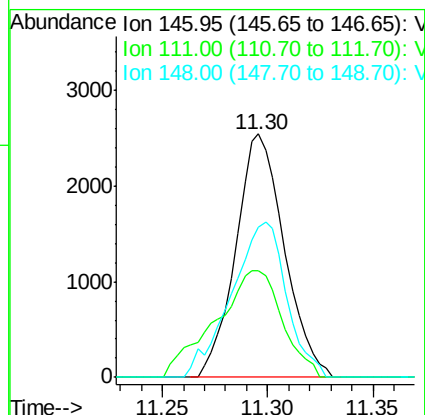
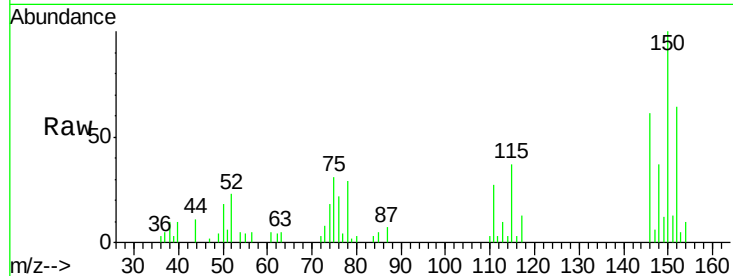




#63
 1,4-Dichlorobenzene
 Concen: 0.257 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015537.D
 Acq: 16 Apr 2020 15:24

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR1

Tot Ion:146 Resp: 4065
 Ion Ratio Lower Upper
 146 100
 111 43.7 29.4 54.6
 148 61.6 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 0.198 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015537.D
 Acq: 16 Apr 2020 15:24

Tgt Ion:146 Resp: 2797
 Ion Ratio Lower Upper
 146 100
 111 52.9 35.8 53.6
 148 66.2 50.2 75.4

