

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018029.D
 Acq On : 17 Aug 2020 16:46
 Operator : SY/MD
 Sample : L3665-17DL 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L37DL

Quant Time: Aug 18 01:27:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 01:23:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	268764	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	263606	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127103	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89959	43.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.74%
7) Chloroethane-d5	1.58	69	76994	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.78%
11) 1,1-Dichloroethene-d2	2.12	63	134219	34.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.44%
21) 2-Butanone-d5	3.91	46	123089	91.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.65%
24) Chloroform-d	4.38	84	164487	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.12%
26) 1,2-Dichloroethane-d4	5.06	65	112948	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
32) Benzene-d6	5.08	84	330379	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.96%
36) 1,2-Dichloropropane-d6	6.09	67	107168	45.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.24%
41) Toluene-d8	7.34	98	291053	44.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.10%
43) trans-1,3-Dichloropropene-	7.64	79	49338	45.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.60%
47) 2-Hexanone-d5	8.11	63	58686	77.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	129848	41.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	120811	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	3823	1.601 ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1257	0.660 ug/L #	22
12) 1,1-Dichloroethene	2.12	96	1254	0.696 ug/L #	1
16) Methylene chloride	2.52	84	2913	1.268 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	1899	1.025 ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	133388	65.498 ug/L	96
25) Chloroform	4.40	83	3897	1.025 ug/L	86
34) Trichloroethene	5.94	95	23778	11.030 ug/L	99
35) Methylcyclohexane	6.09	83	25603	7.987 ug/L #	17
37) 1,2-Dichloropropane	6.09	63	11859	5.332 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3107	0.985 ug/L #	82
46) Tetrachloroethene	8.00	164	1706	1.079 ug/L	90
48) 2-Hexanone	8.16	43	7751	3.306 ug/L #	79
49) Dibromochloromethane	8.00	129	1418	0.705 ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	15869	5.777 ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	2444	0.589 ug/L	93
68) 1,2,4-trichlorobenzene	13.29	180	1792	0.664 ug/L	99

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Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1

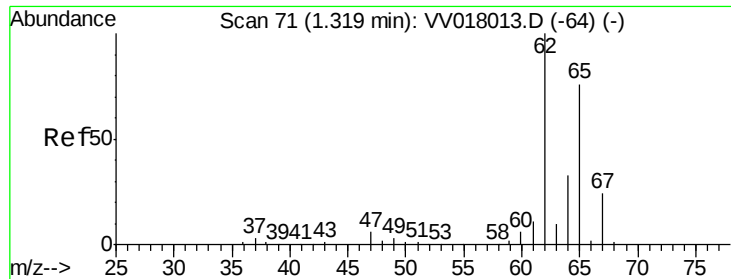
Instrument :
MSVOA_V
ClientSampleId :
F4L37DL

Quant Time: Aug 18 01:27:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 18 01:23:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.77	180	1519	0.553	ug/L #	96

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

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Acq On : 17 Aug 2020 16:46
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Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1



#5

Vinyl chloride

Concen: 1.601 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018029.D

Acq: 17 Aug 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

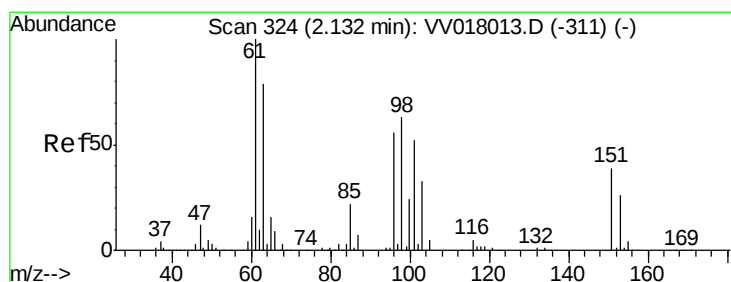
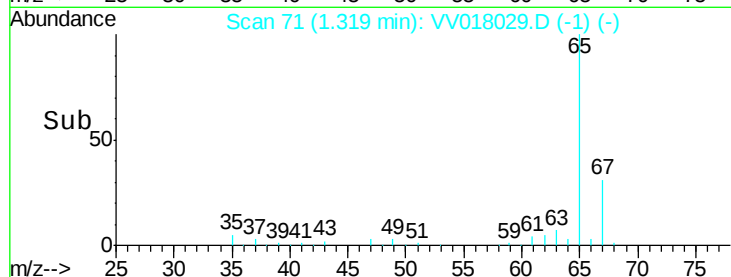
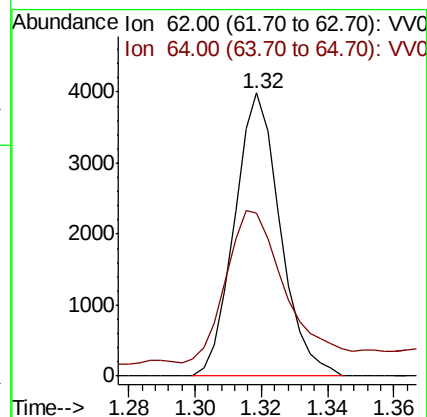
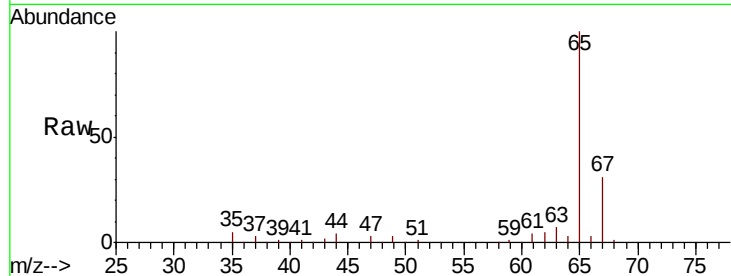
F4L37DL

Tot Ion: 62 Resp: 3823

Ion Ratio Lower Upper

62 100

64 57.7 22.4 41.6#



#10

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

Concen: 0.660 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018029.D

Acq: 17 Aug 2020 16:46

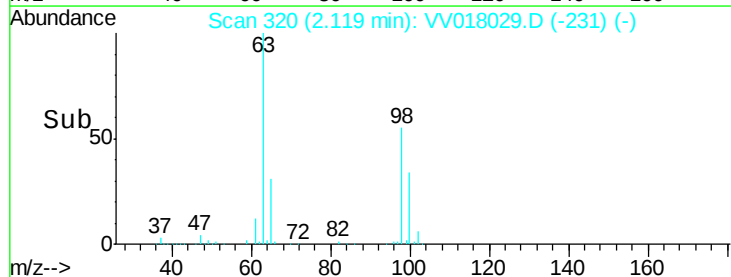
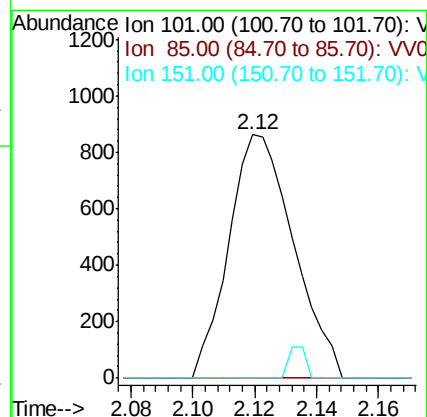
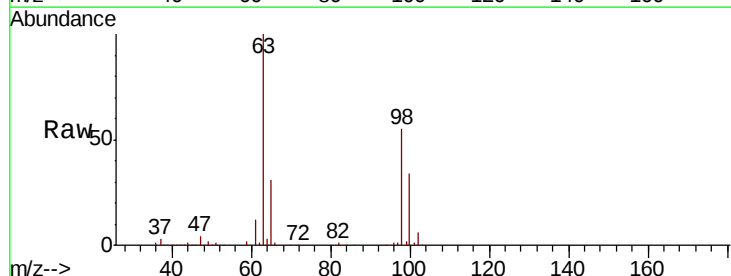
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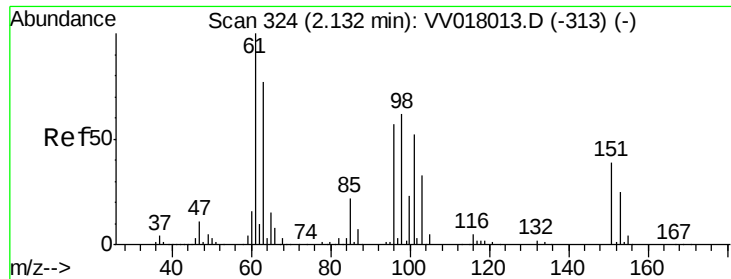
Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 3.3 59.1 88.7#

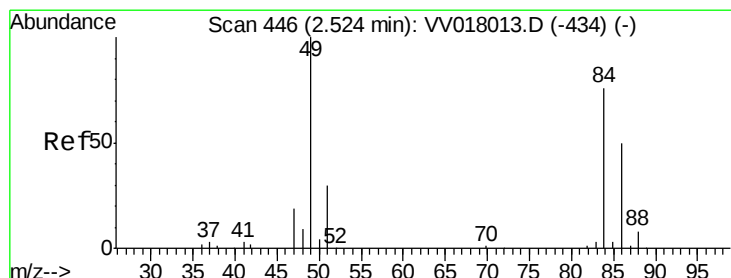
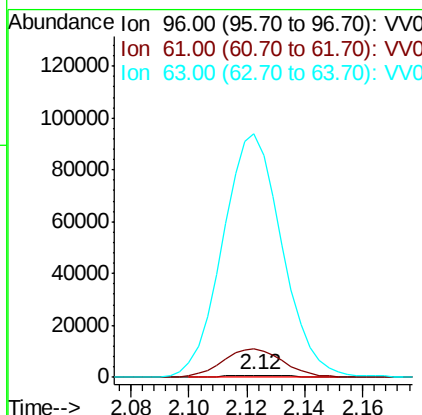
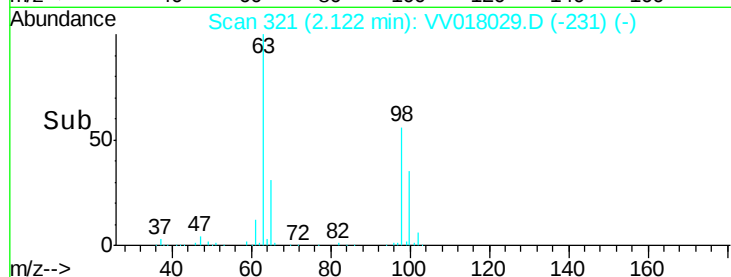
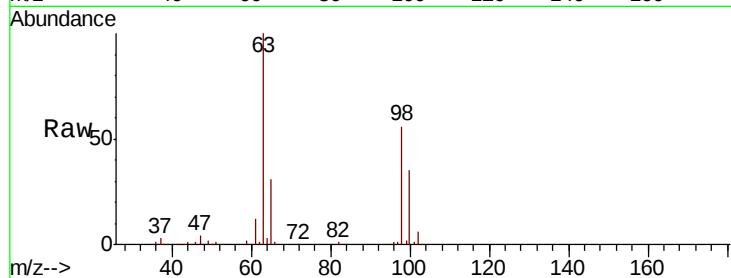




#12
 1,1-Dichloroethene
 Concen: 0.696 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV018029.D
 Acq: 17 Aug 2020 16:46

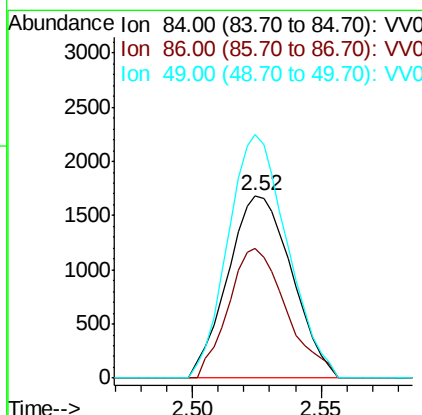
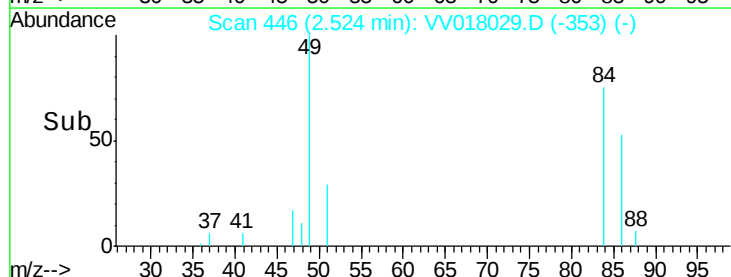
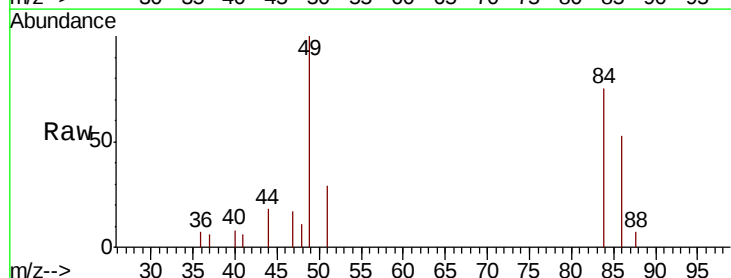
Instrument :
 MSVOA_V
 ClientSampled :
 F4L37DL

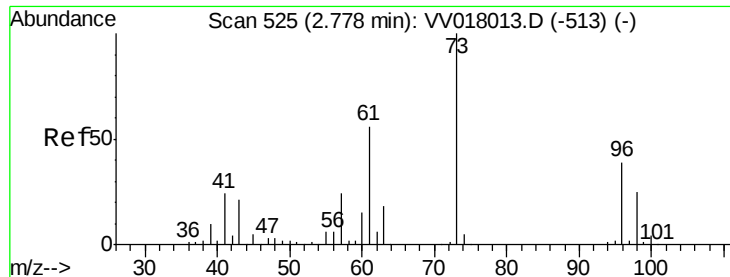
Tot Ion: 96 Resp: 1254
 Ion Ratio Lower Upper
 96 100
 61 1423.4 127.1 236.0#
 63 12162.7 95.2 176.8#



#16
 Methylene chloride
 Concen: 1.268 ug/L
 RT: 2.52 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: VV018029.D
 Acq: 17 Aug 2020 16:46

Tgt Ion: 84 Resp: 2913
 Ion Ratio Lower Upper
 84 100
 86 71.0 46.3 85.9
 49 133.6 89.7 166.5

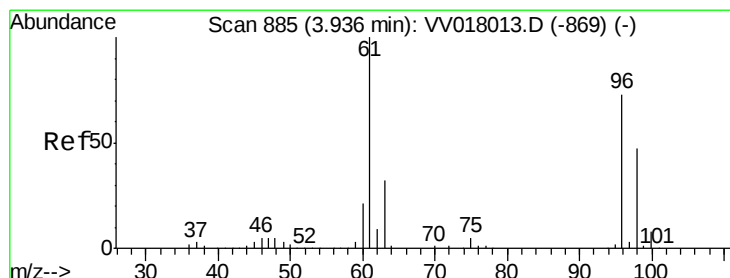
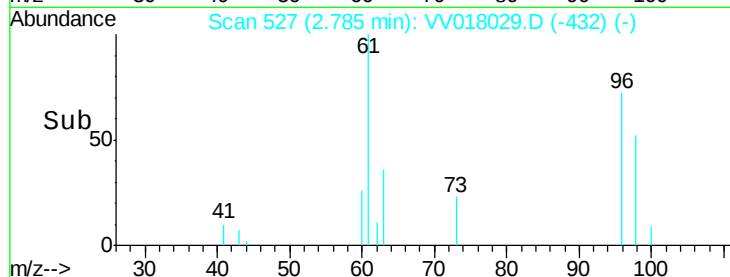
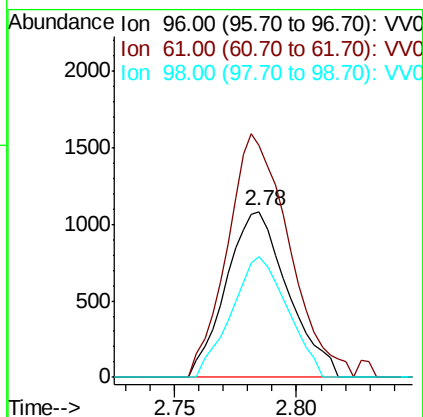
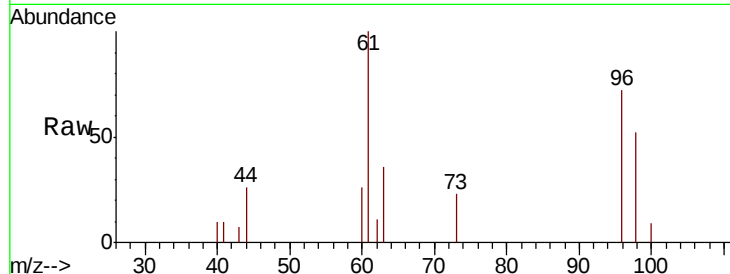




#17
trans-1,2-Dichloroethene
Concen: 1.025 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV018029.D
Acq: 17 Aug 2020 16:46

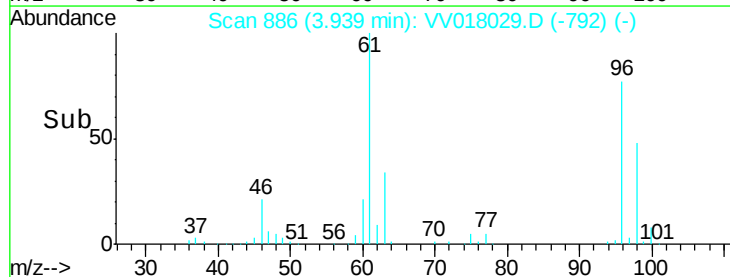
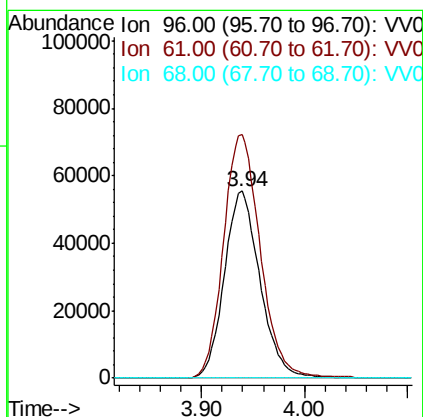
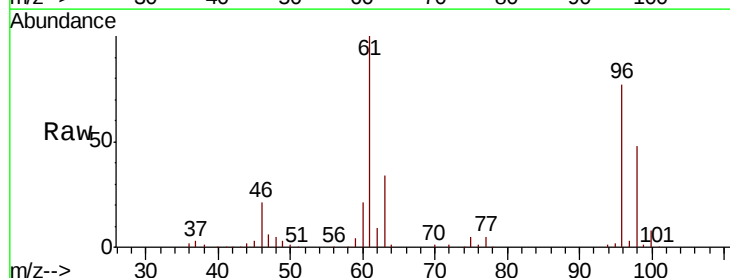
Instrument :
MSVOA_V
ClientSampleId :
F4L37DL

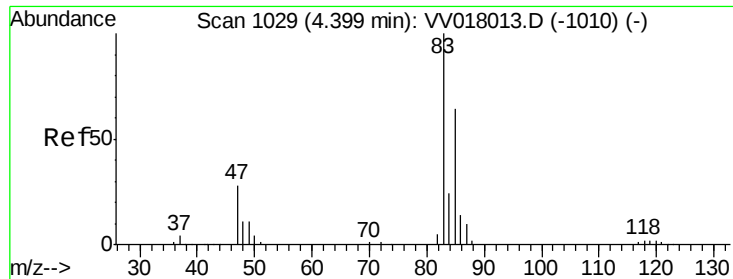
Tot Ion: 96 Resp: 1899
Ion Ratio Lower Upper
96 100
61 139.7 102.4 190.2
98 73.0 44.4 82.5



#20
cis-1,2-Dichloroethene
Concen: 65.498 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV018029.D
Acq: 17 Aug 2020 16:46

Tgt Ion: 96 Resp: 133388
Ion Ratio Lower Upper
96 100
61 130.4 95.0 176.4
68 0.0 0.0 0.0

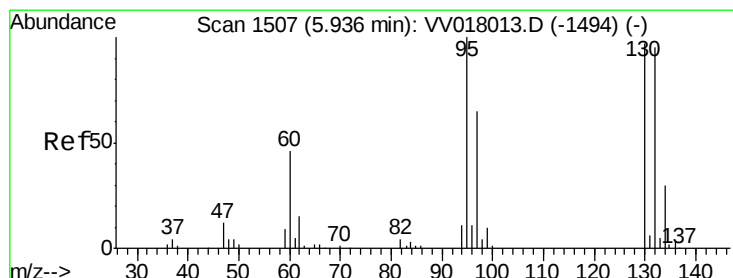
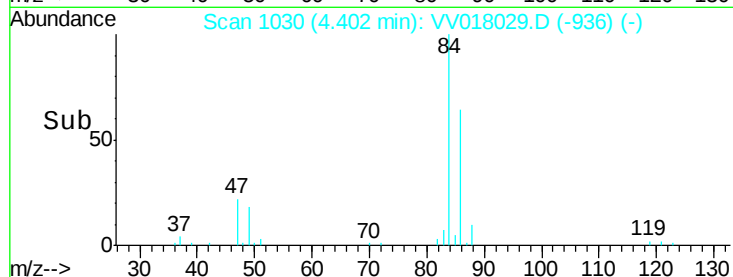
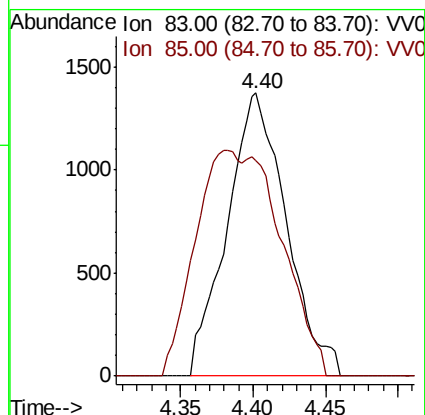
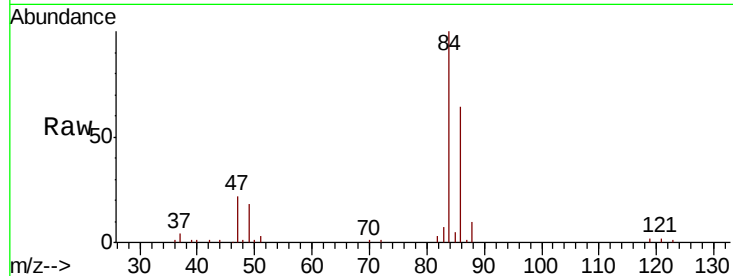




#25
Chloroform
Concen: 1.025 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018029.D
Acq: 17 Aug 2020 16:46

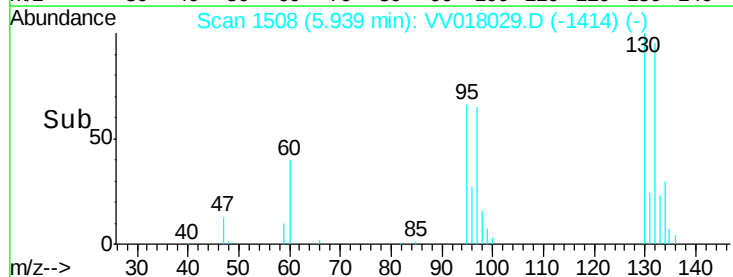
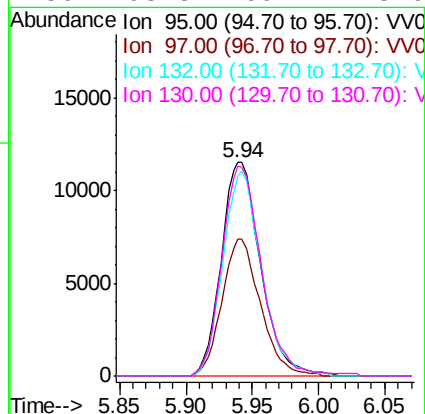
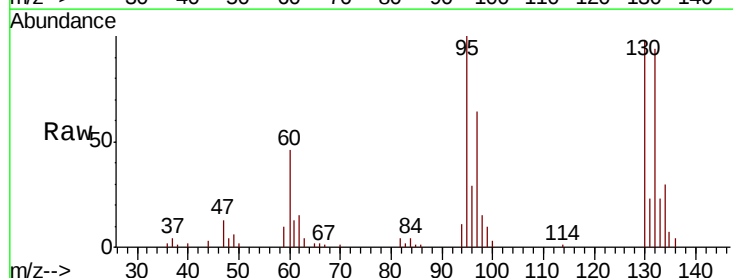
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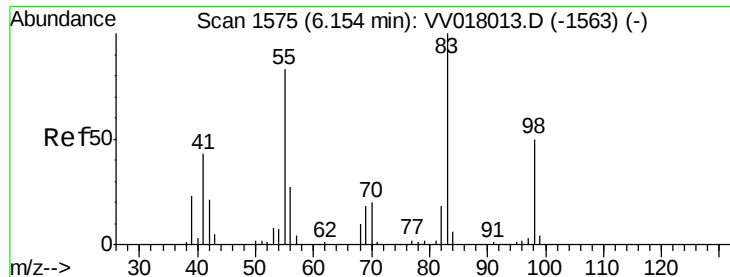
Tot Ion: 83 Resp: 3897
Ion Ratio Lower Upper
83 100
85 76.2 45.5 84.5



#34
Trichloroethene
Concen: 11.030 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV018029.D
Acq: 17 Aug 2020 16:46

Tgt Ion: 95 Resp: 23778
Ion Ratio Lower Upper
95 100
97 64.3 46.0 85.4
132 93.8 65.8 122.2
130 98.3 69.2 128.6

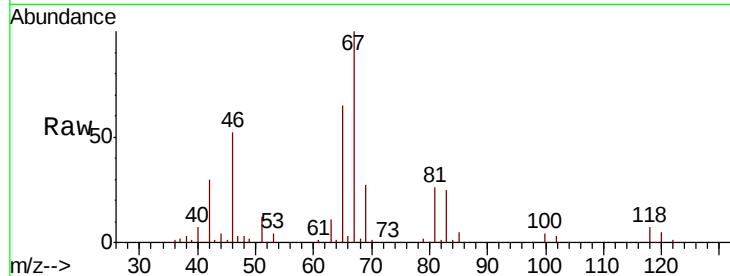




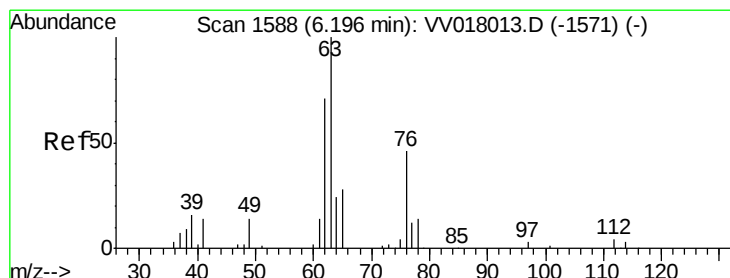
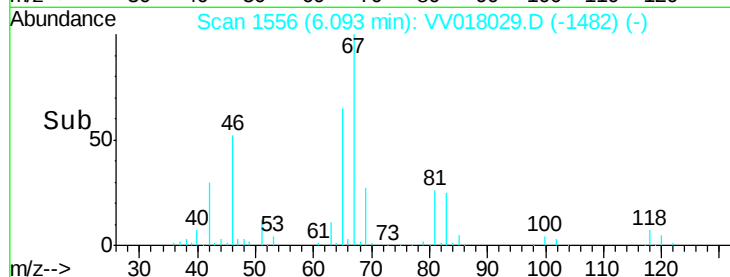
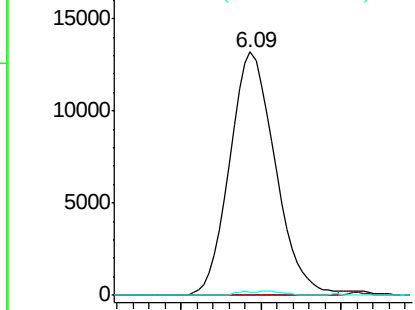
#35
Methvlcvclohexane
Concen: 7.987 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018029.D
Acq: 17 Aug 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :
F4L37DL

Tot Ion: 83 Resp: 25603
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 0.7 38.7 58.1#

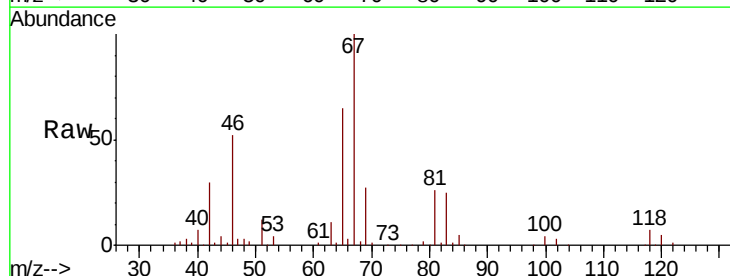


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

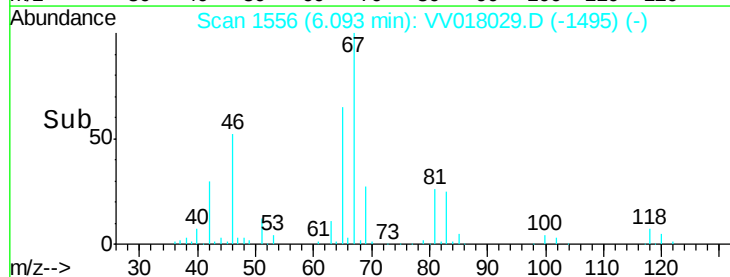
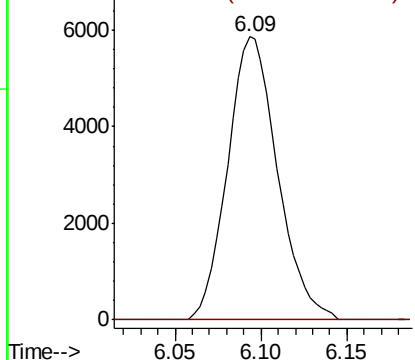


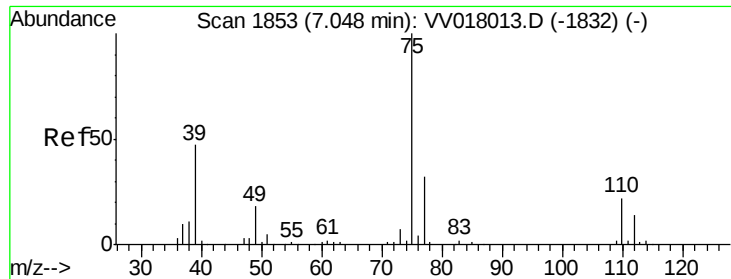
#37
1,2-Dichloropropane
Concen: 5.332 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018029.D
Acq: 17 Aug 2020 16:46

Tgt Ion: 63 Resp: 11859
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

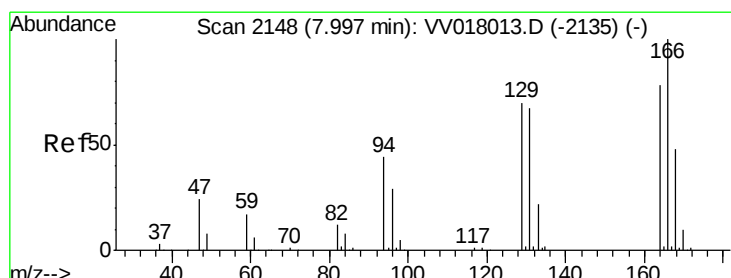
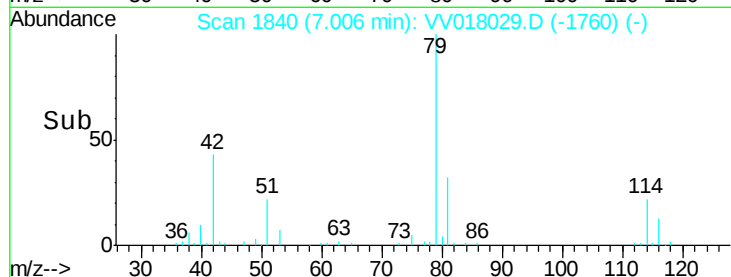
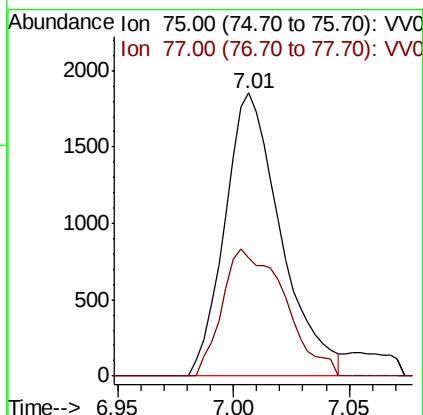
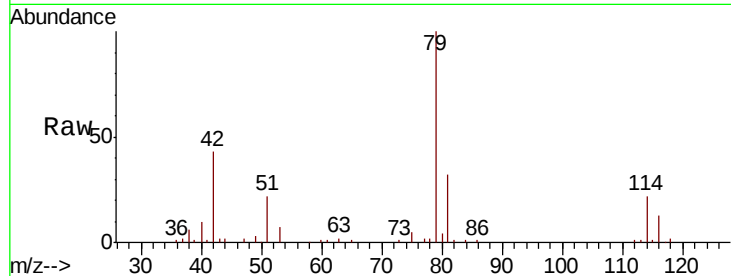




#39
 cis-1,3-Dichloropropene
 Concen: 0.985 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018029.D
 Acq: 17 Aug 2020 16:46

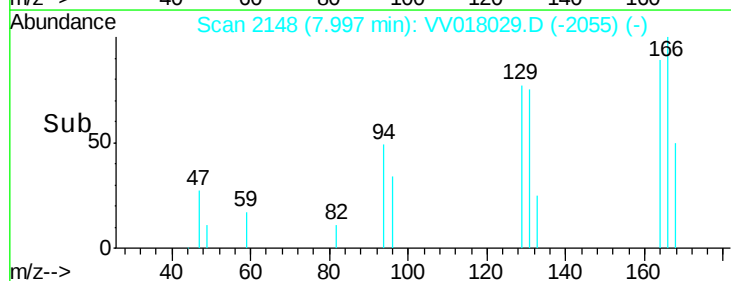
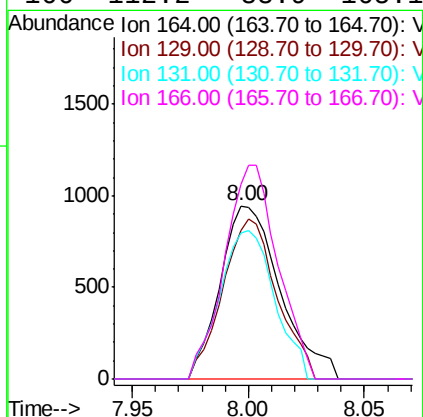
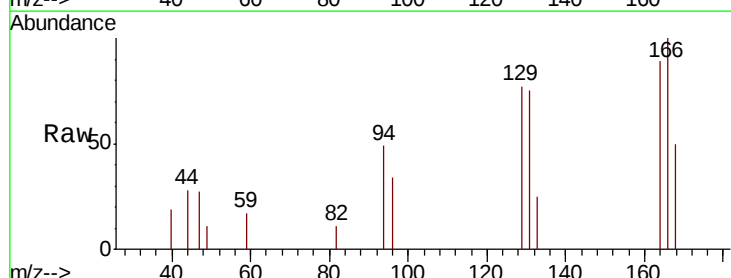
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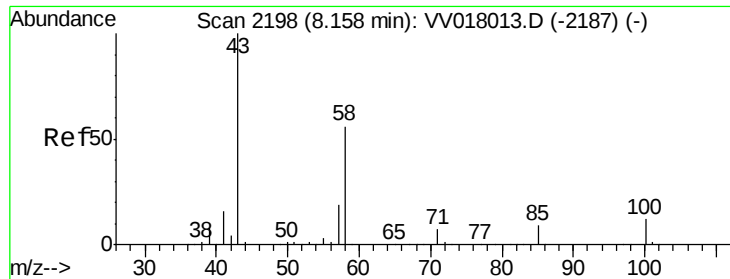
Tot Ion: 75 Resp: 3107
 Ion Ratio Lower Upper
 75 100
 77 42.0 22.3 41.5#



#46
 Tetrachloroethene
 Concen: 1.079 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018029.D
 Acq: 17 Aug 2020 16:46

Tgt Ion:164 Resp: 1706
 Ion Ratio Lower Upper
 164 100
 129 85.9 64.8 120.3
 131 84.6 64.5 119.9
 166 112.2 88.9 165.1

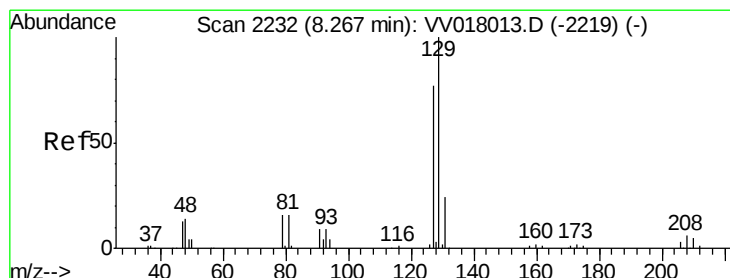
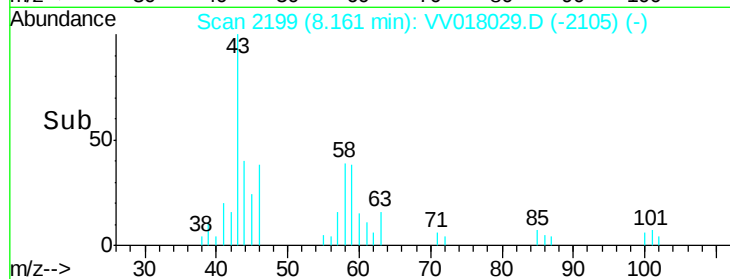
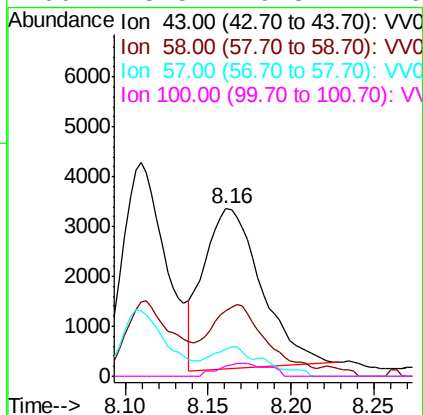
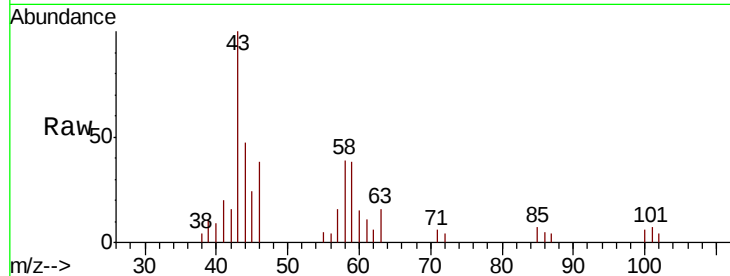




#48
2-Hexanone
Concen: 3.306 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018029.D
Acq: 17 Aug 2020 16:46

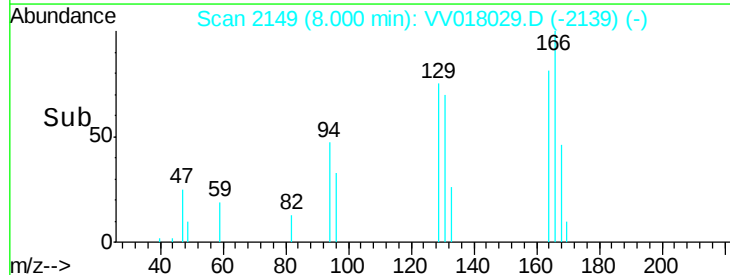
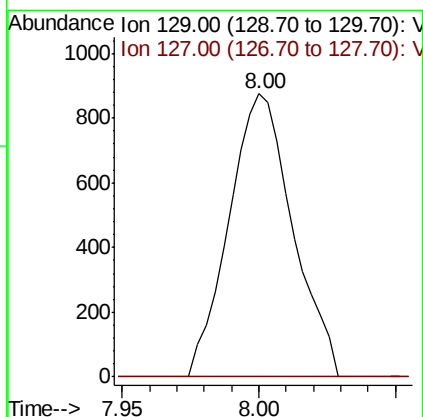
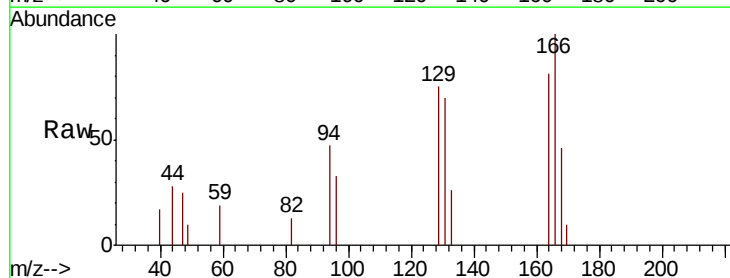
Instrument :
MSVOA_V
ClientSampleId :
F4L37DL

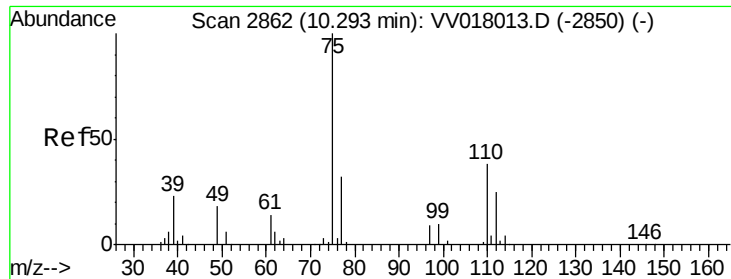
Tot Ion: 43 Resp: 7751
Ion Ratio Lower Upper
43 100
58 42.7 44.4 66.6#
57 5.4 15.2 22.8#
100 3.5 9.8 14.6#



#49
Dibromochloromethane
Concen: 0.705 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV018029.D
Acq: 17 Aug 2020 16:46

Tgt Ion: 129 Resp: 1418
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#

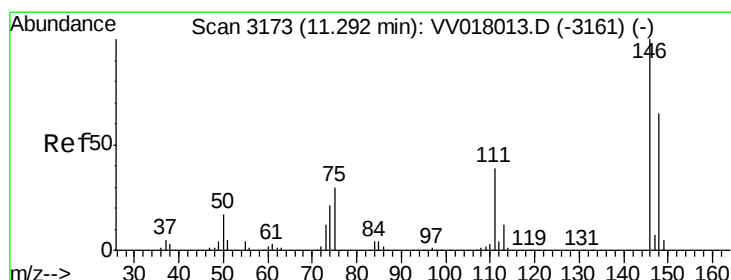
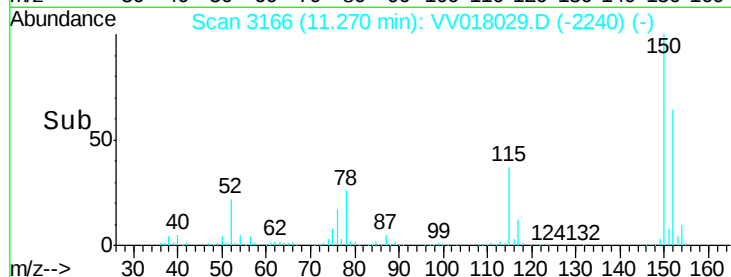
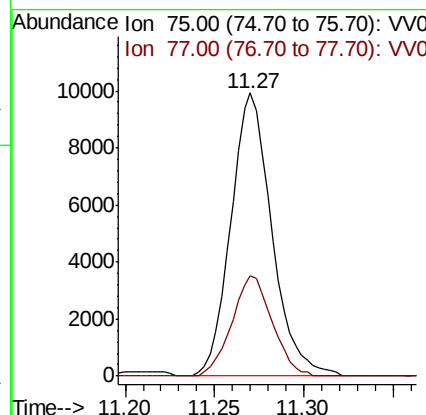
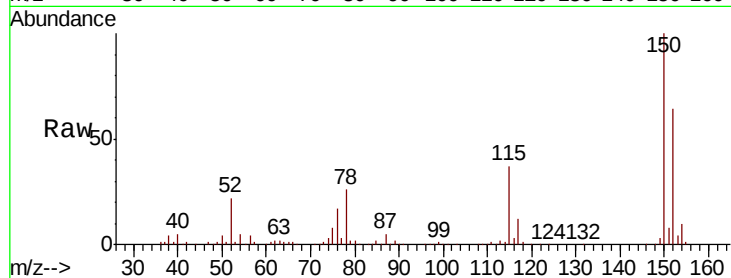




#59
 1,2,3-Trichloropropane
 Concen: 5.777 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV018029.D
 Acq: 17 Aug 2020 16:46

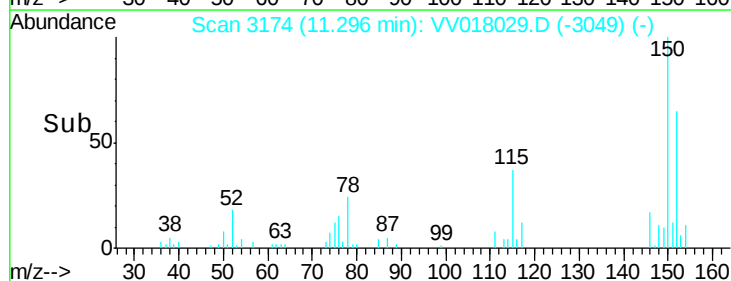
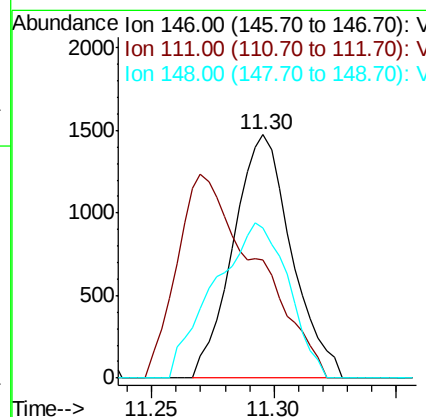
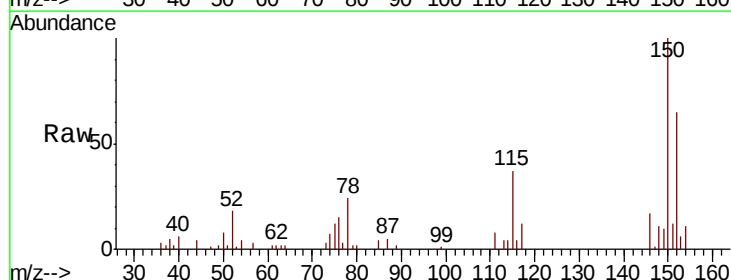
Instrument :
 MSVOA_V
 ClientSampled :
 F4L37DL

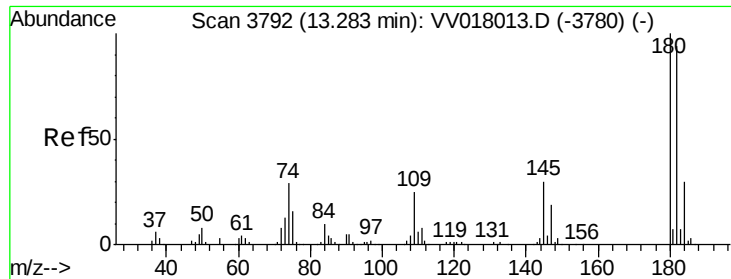
Tot Ion: 75 Resp: 15869
 Ion Ratio Lower Upper
 75 100
 77 35.0 25.7 38.5



#63
 1,4-Dichlorobenzene
 Concen: 0.589 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018029.D
 Acq: 17 Aug 2020 16:46

Tgt Ion: 146 Resp: 2444
 Ion Ratio Lower Upper
 146 100
 111 48.3 28.0 52.0
 148 61.6 44.2 82.2

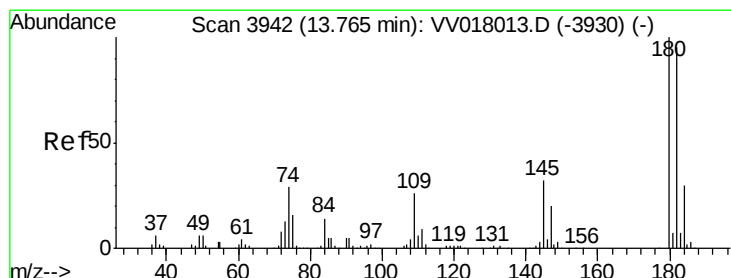
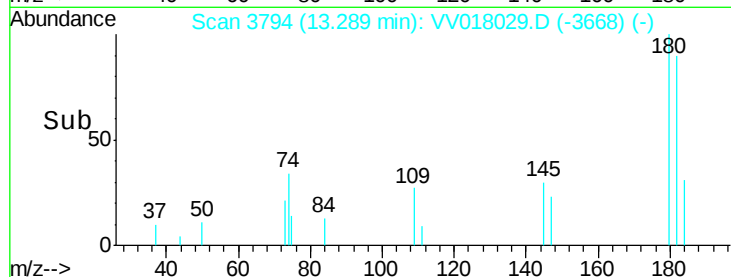
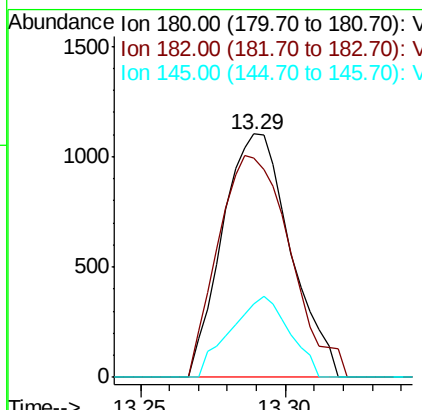
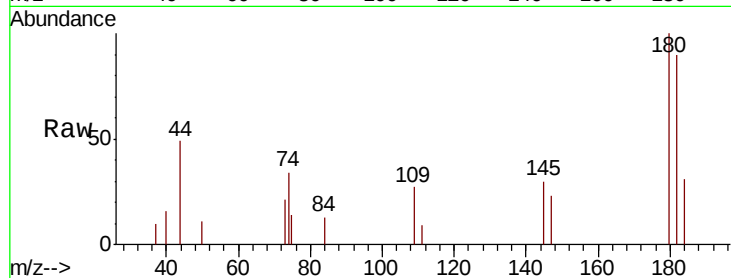




#68
 1,2,4-trichlorobenzene
 Concen: 0.664 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018029.D
 Acq: 17 Aug 2020 16:46

Instrument :
 MSVOA_V
 ClientSampled :
 F4L37DL

Tot Ion:180 Resp: 1792
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.4 114.6
 145 29.0 24.0 36.0



#70
 1,2,3-Trichlorobenzene
 Concen: 0.553 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV018029.D
 Acq: 17 Aug 2020 16:46

Tgt Ion:180 Resp: 1519
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.5 114.7
 145 25.3 26.0 39.0#

