

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015706.D
 Acq On : 25 Apr 2020 20:11
 Operator : SY/MD
 Sample : L2413-13
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 01:17:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 27 01:12:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	128016	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	124313	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	58243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103489	15.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	309.40%#
7) Chloroethane-d5	1.58	69	29146	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.13	63	78294	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.00%
20) 2-Butanone-d5	3.94	46	118888	55.35	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.70%
24) Chloroform-d	4.38	84	72564	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.06	65	41258	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.08	84	134558	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.09	67	44363	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.34	98	122967	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.65	79	12348	3.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.40%
46) 2-Hexanone-d5	8.11	63	76958	43.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.08%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32958	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	48100	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
3) Chloromethane	1.32	50	75756	7.986	ug/L # 43
5) Vinyl chloride	1.32	62	8450499	834.093	ug/L 88
8) Chloroethane	1.32	64	3085464	463.701	ug/L # 43
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2028	0.252	ug/L # 83
12) 1,1-Dichloroethene	2.13	96	56310	7.558	ug/L 89
14) Carbon disulfide	2.31	76	3391	0.161	ug/L # 87
17) Methyl tert-butyl Ether	2.79	73	6249	0.299	ug/L # 79
18) trans-1,2-Dichloroethene	2.78	96	224223	26.877	ug/L 97
19) 1,1-Dichloroethane	3.22	63	1160	0.071	ug/L # 81
30) Cyclohexane	4.71	56	2021	0.134	ug/L 98
34) Trichloroethene	5.94	95	17286	1.762	ug/L 97
35) Methylcyclohexane	6.15	83	1315	0.087	ug/L 96
37) 1,2-Dichloropropane	6.09	63	5825	0.645	ug/L # 86
42) Toluene	7.41	91	5897	0.155	ug/L 100
44) trans-1,3-Dichloropropene	7.64	75	750	0.071	ug/L 89
47) Tetrachloroethene	8.00	164	9191	1.301	ug/L 98
48) 2-Hexanone	8.17	43	1935	0.463	ug/L # 86

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Apr 27 01:12:28 2020
Response via : Initial Calibration

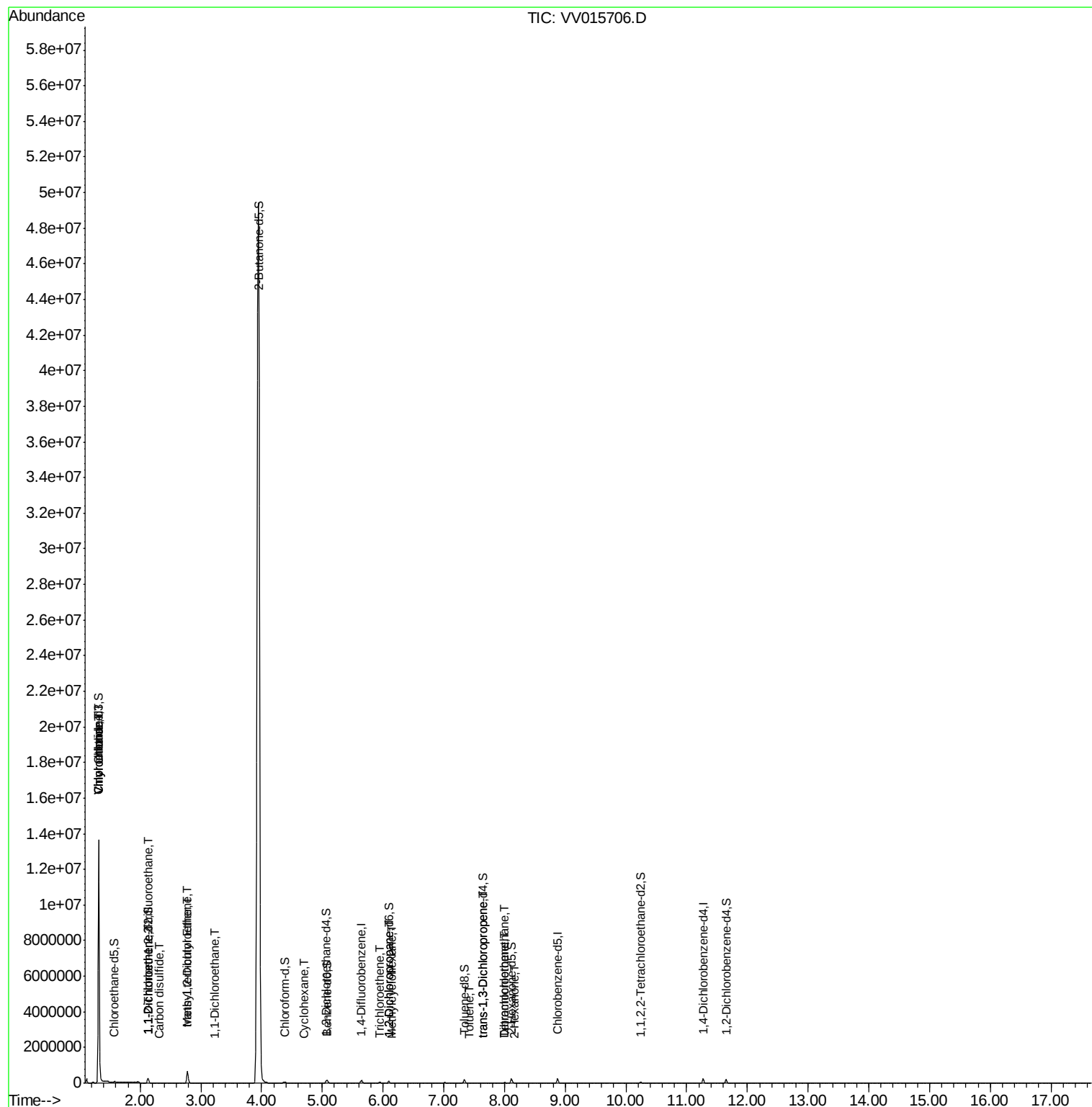
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.00	129	8638	1.356	ug/L #	12
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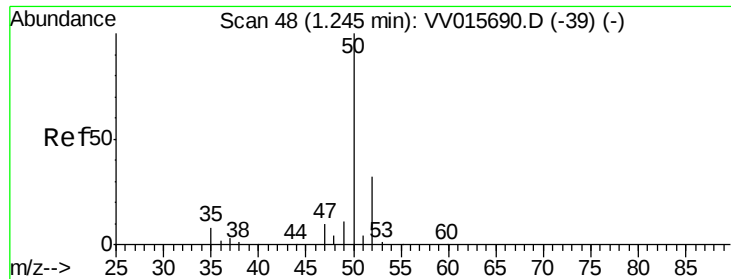
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 7.986 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.07 min

Lab File: VV015706.D

Acq: 25 Apr 2020 20:11

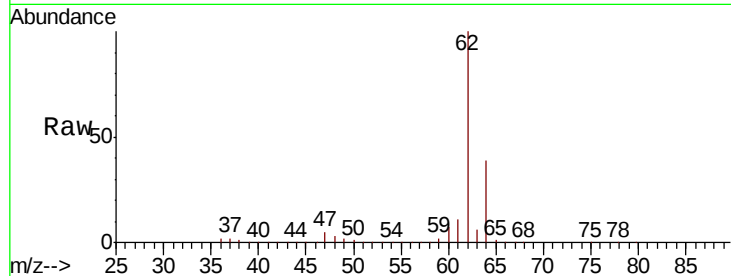
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 75756

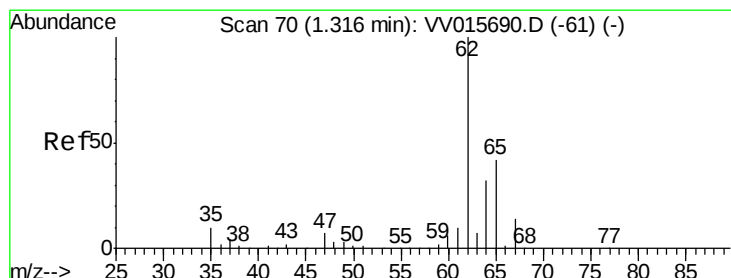
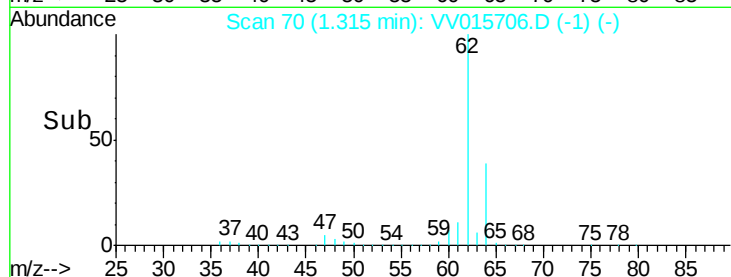
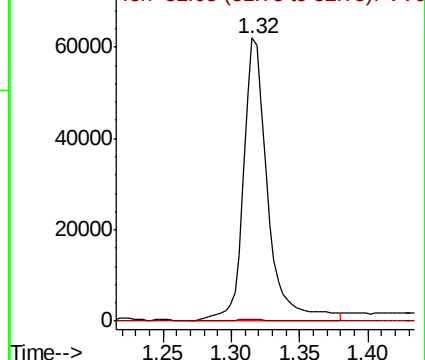
Ion Ratio Lower Upper

50 100

52 0.6 22.9 42.5#



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 834.093 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015706.D

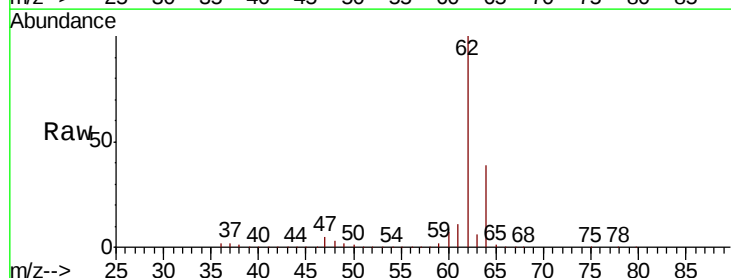
Acq: 25 Apr 2020 20:11

Tgt Ion: 62 Resp: 8450499

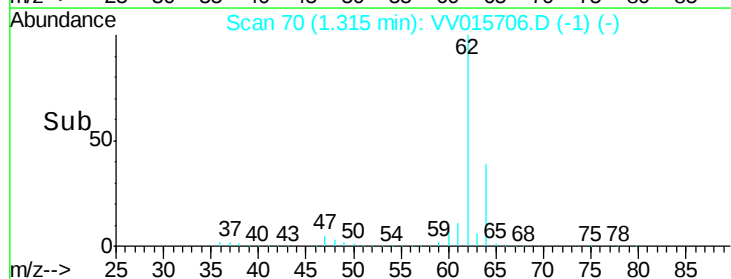
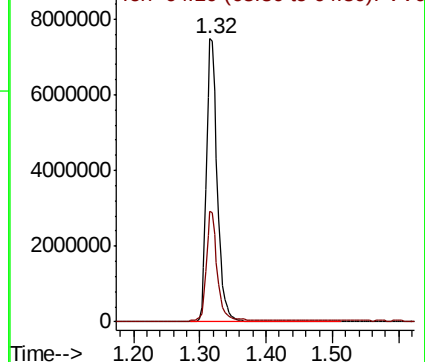
Ion Ratio Lower Upper

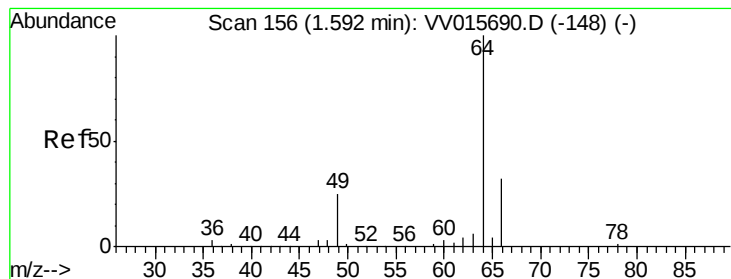
62 100

64 39.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 463.701 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV015706.D

Acq: 25 Apr 2020 20:11

Instrument :

MSVOA_V

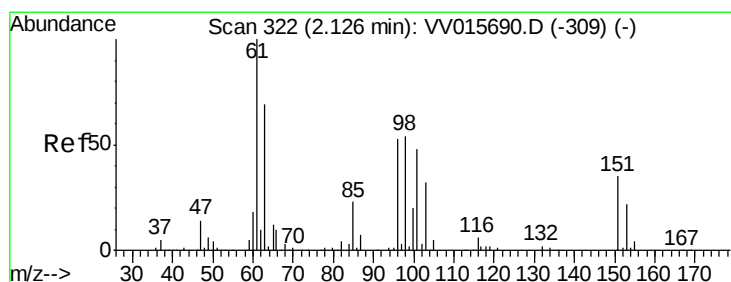
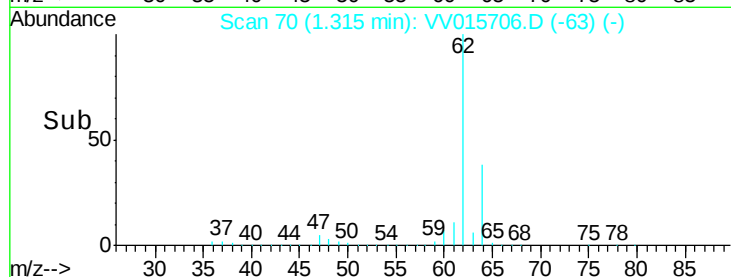
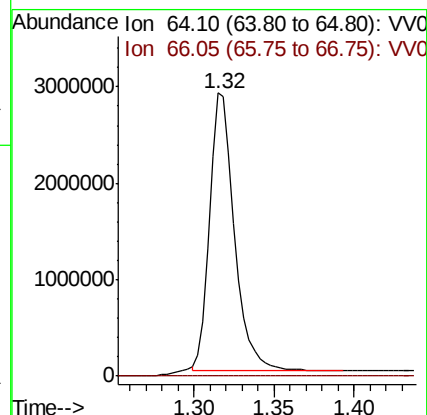
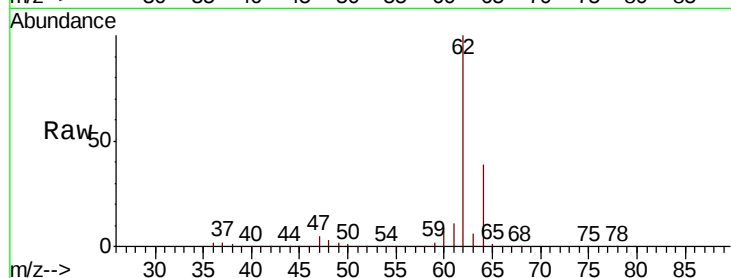
ClientSampleId :

Tot Ion: 64 Resp: 3085464

Ion Ratio Lower Upper

64 100

66 0.2 22.3 41.5#



#10

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

Concen: 0.252 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015706.D

Acq: 25 Apr 2020 20:11

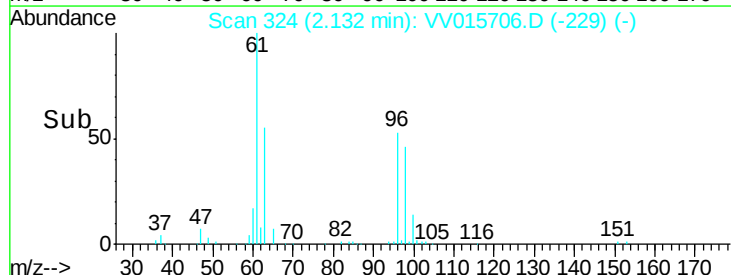
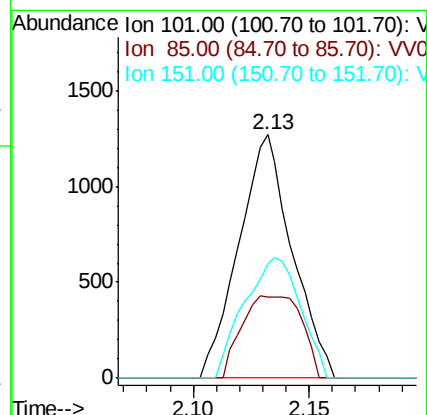
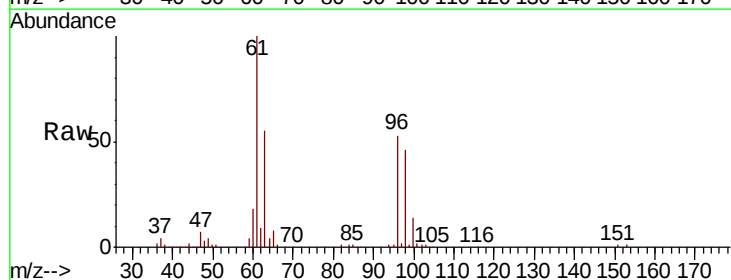
Tgt Ion:101 Resp: 2028

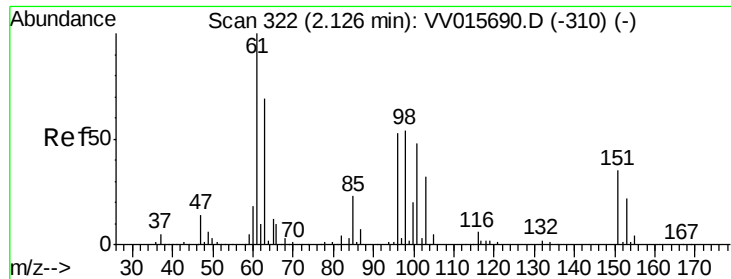
Ion Ratio Lower Upper

101 100

85 37.6 36.1 54.1

151 52.4 55.2 82.8#

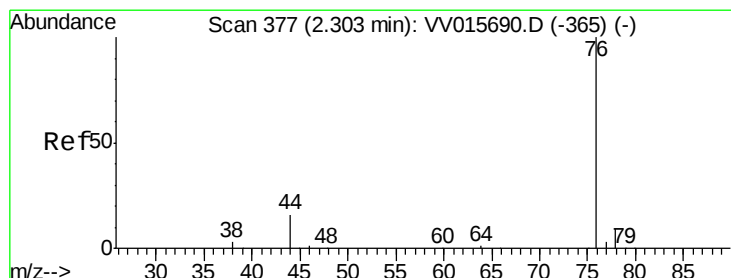
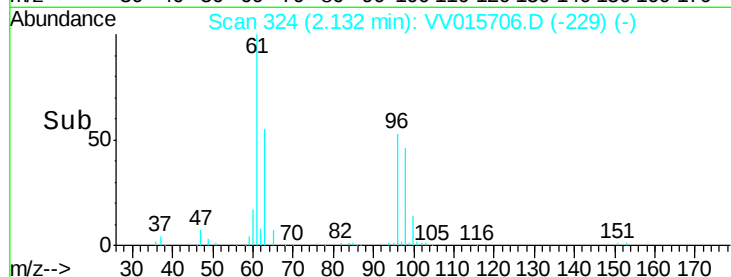
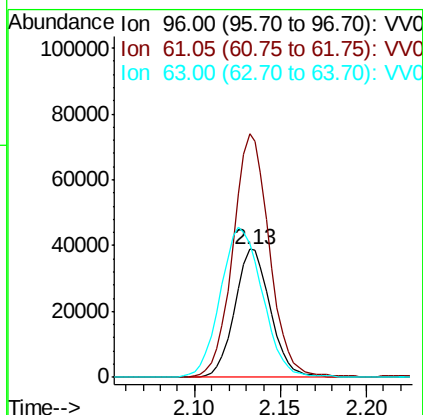
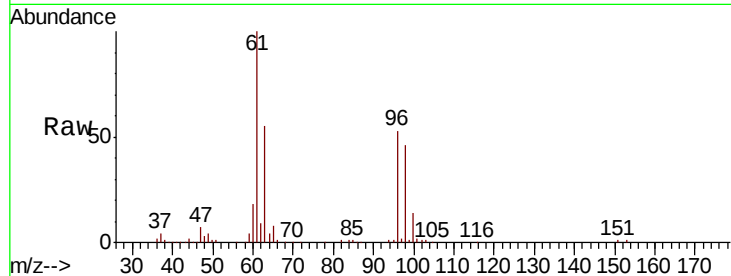




#12
 1,1-Dichloroethene
 Concen: 7.558 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VV015706.D
 Acq: 25 Apr 2020 20:11

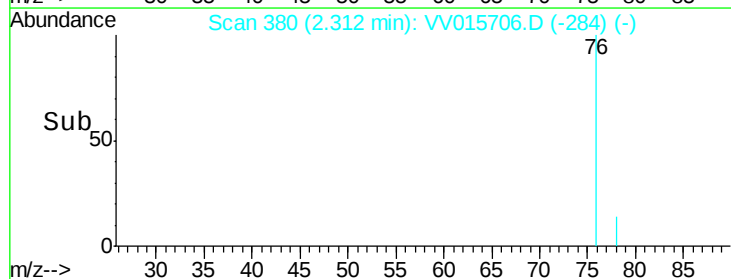
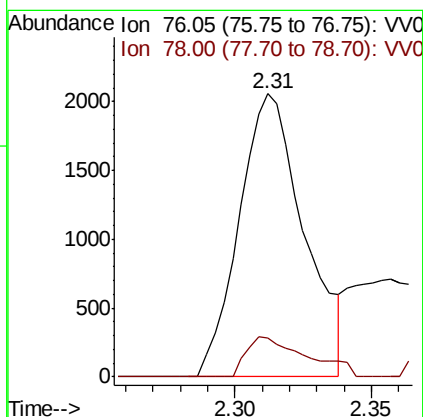
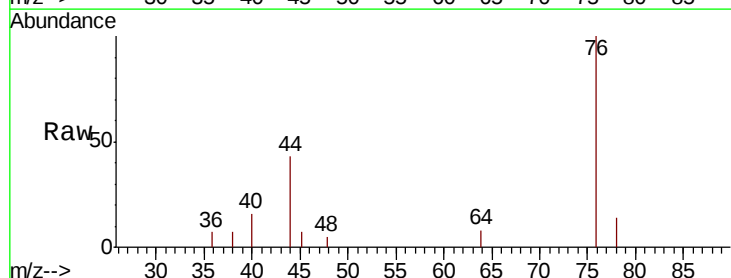
Instrument :
 MSVOA_V
 ClientSampled :

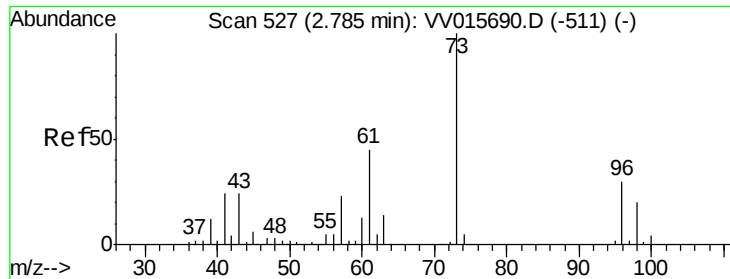
Tot Ion: 96 Resp: 56310
 Ion Ratio Lower Upper
 96 100
 61 189.9 130.1 241.7
 63 103.9 91.4 169.8



#14
 Carbon disulfide
 Concen: 0.161 ug/L
 RT: 2.31 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VV015706.D
 Acq: 25 Apr 2020 20:11

Tgt Ion: 76 Resp: 3391
 Ion Ratio Lower Upper
 76 100
 78 14.0 7.4 11.0#

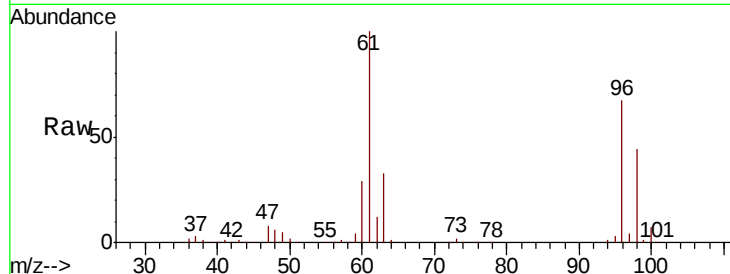




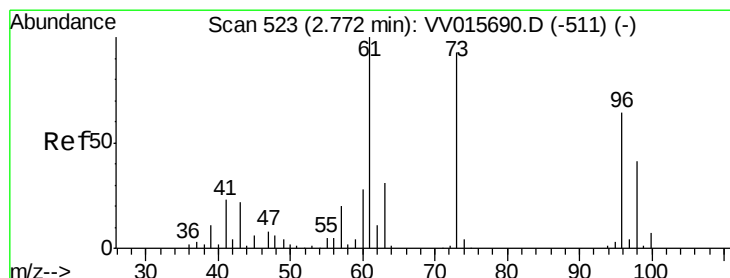
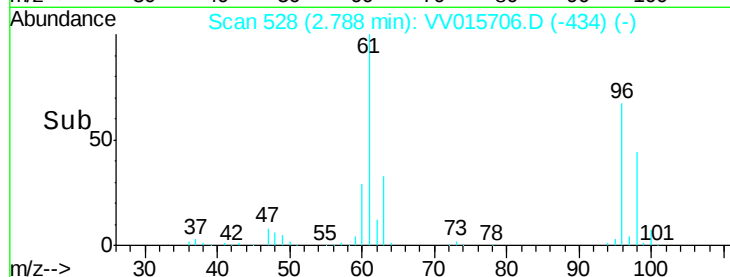
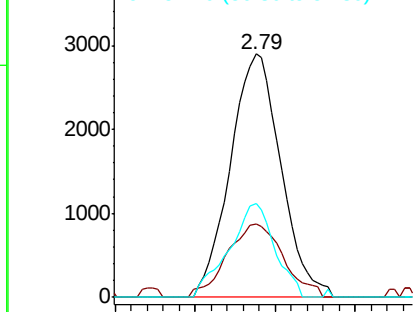
#17
Methvl tert-butvl Ether
Concen: 0.299 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015706.D
Acq: 25 Apr 2020 20:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 6249
Ion Ratio Lower Upper
73 100
43 33.8 20.1 30.1#
57 34.7 17.8 26.8#

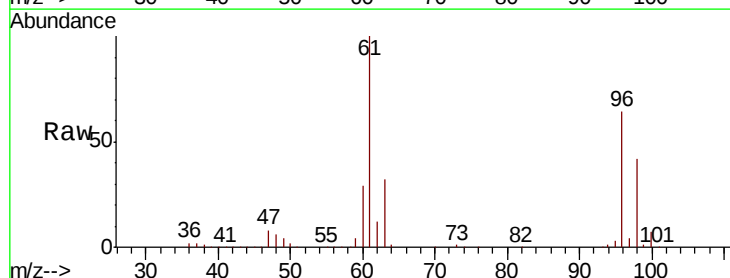


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

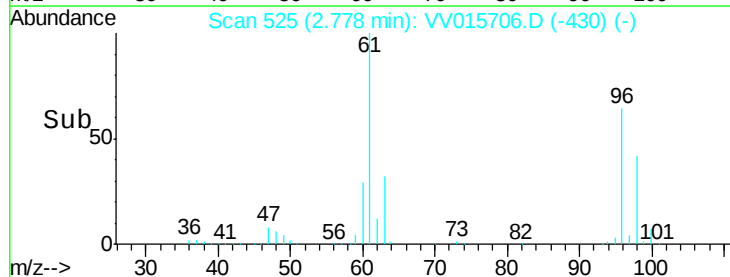
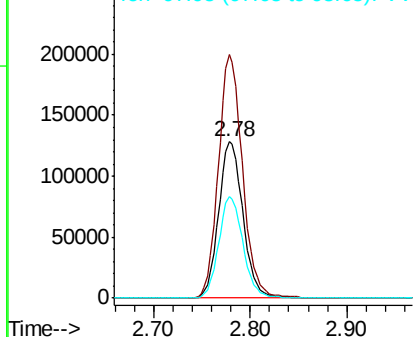


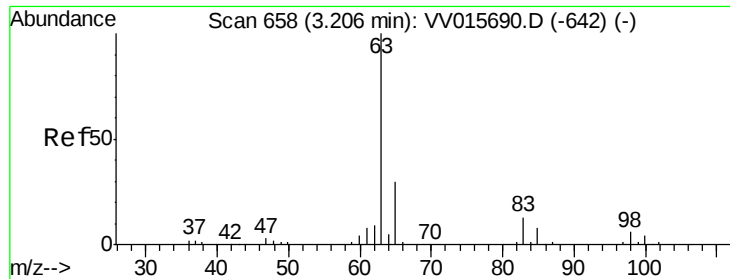
#18
trans-1,2-Dichloroethene
Concen: 26.877 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.01 min
Lab File: VV015706.D
Acq: 25 Apr 2020 20:11

Tgt Ion: 96 Resp: 224223
Ion Ratio Lower Upper
96 100
61 155.6 105.5 195.9
98 64.6 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

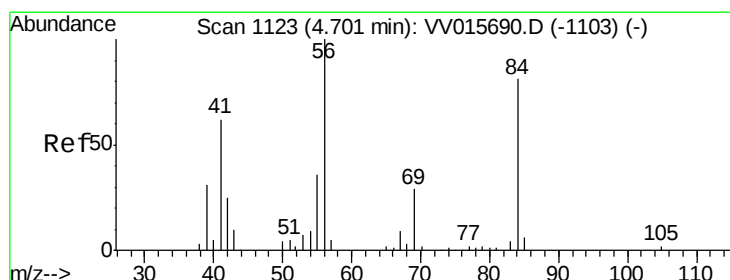
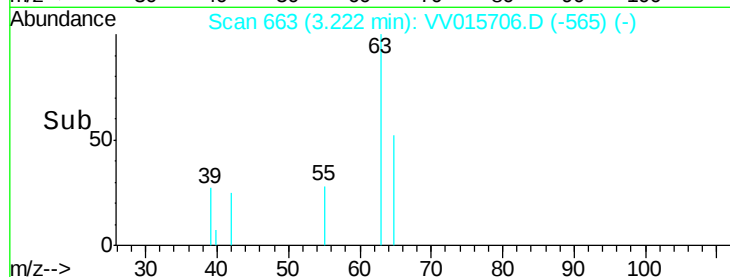
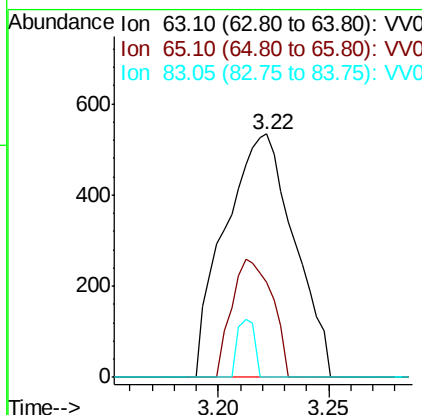
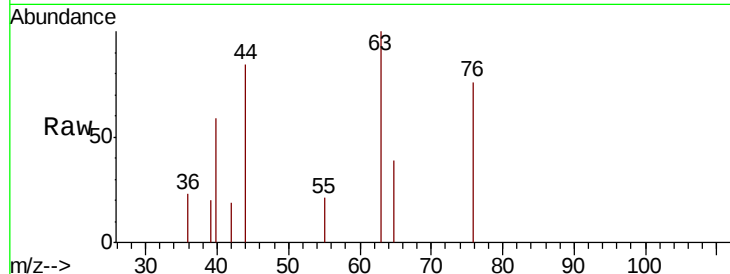




#19
 1,1-Dichloroethane
 Concen: 0.071 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.02 min
 Lab File: VV015706.D
 Acq: 25 Apr 2020 20:11

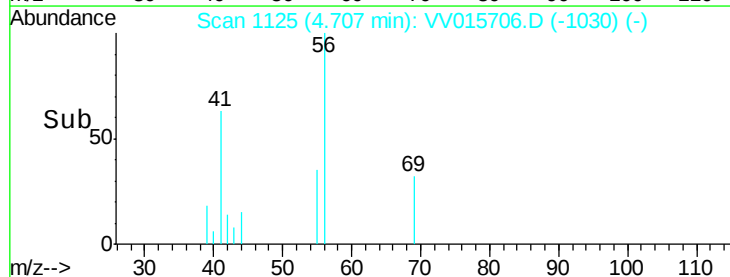
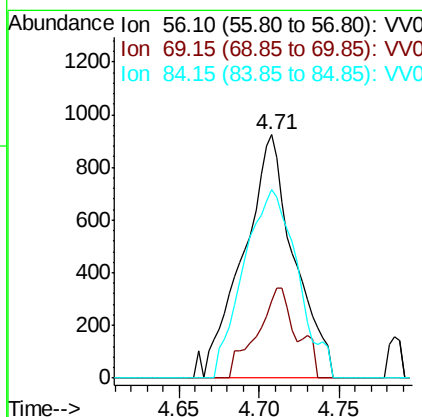
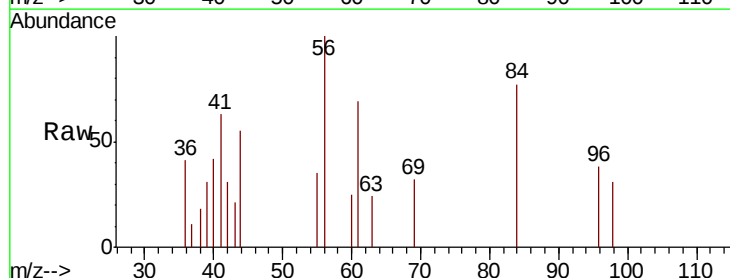
Instrument :
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 ClientSampled :

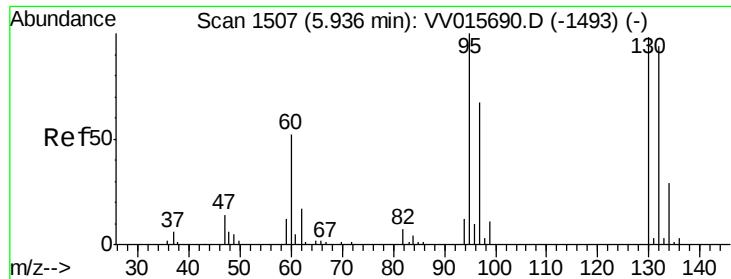
Tot Ion:	63	Resp:	1160
Ion	Ratio	Lower	Upper
63	100		
65	39.1	22.3	41.3
83	0.0	9.3	17.3#



#30
 Cyclohexane
 Concen: 0.134 ug/L
 RT: 4.71 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VV015706.D
 Acq: 25 Apr 2020 20:11

Tgt Ion:	56	Resp:	2021
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.9	35.9
84	81.8	66.9	100.3

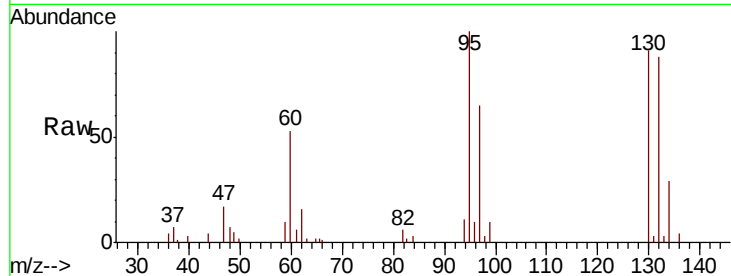




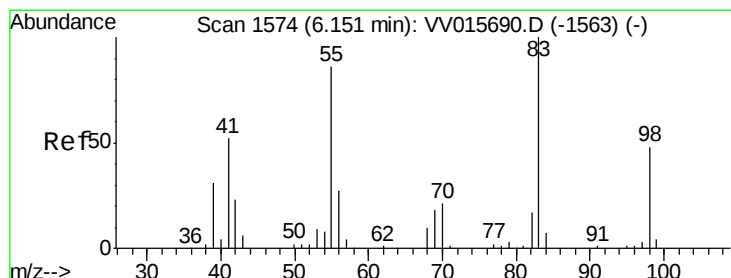
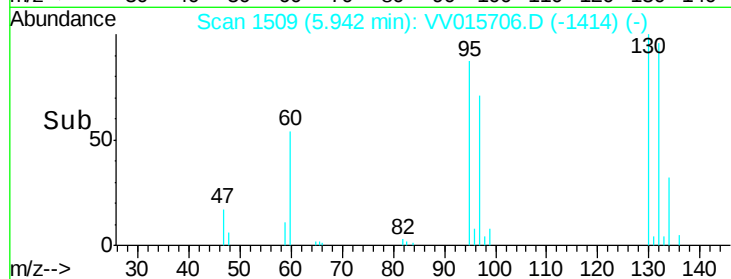
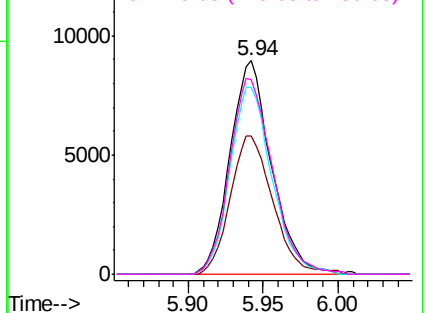
#34
 Trichloroethene
 Concen: 1.762 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV015706.D
 Acq: 25 Apr 2020 20:11

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 17286
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.7 82.9
 132 87.6 65.2 121.0
 130 91.1 65.0 120.6

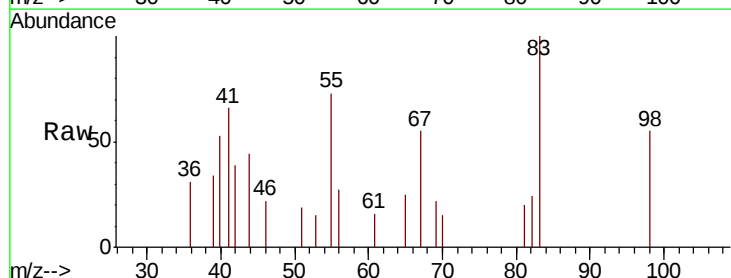


Abundance Ion 95.00 (94.70 to 95.70): VV015690.D (-1493) (-)
 Ion 96.95 (96.65 to 97.65): VV015690.D (-1493) (-)
 Ion 131.95 (131.65 to 132.65): VV015690.D (-1493) (-)
 Ion 129.95 (129.65 to 130.65): VV015690.D (-1493) (-)

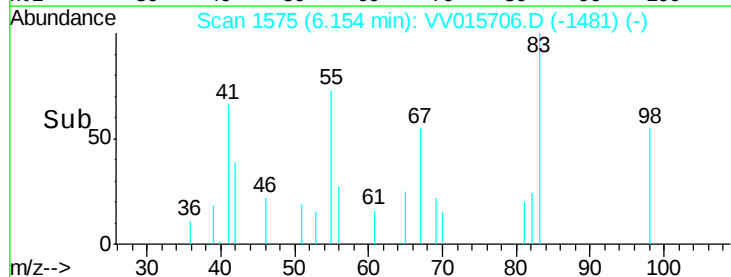
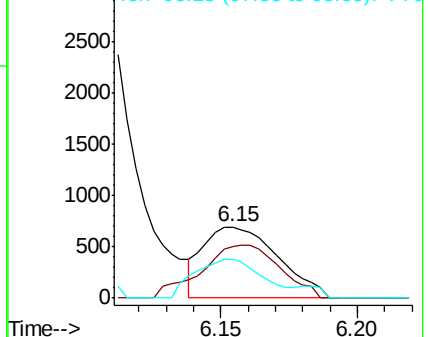


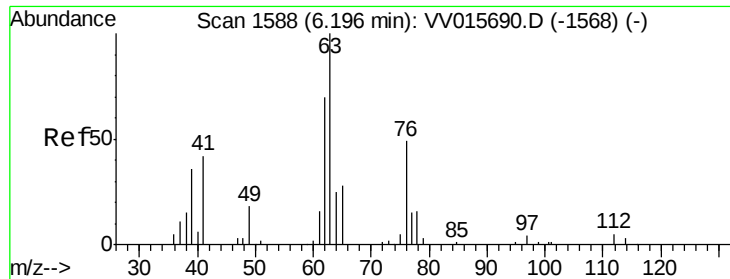
#35
 Methylcyclohexane
 Concen: 0.087 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015706.D
 Acq: 25 Apr 2020 20:11

Tgt Ion: 83 Resp: 1315
 Ion Ratio Lower Upper
 83 100
 55 78.6 66.6 99.8
 98 50.4 39.5 59.3



Abundance Ion 83.15 (82.85 to 83.85): VV015690.D (-1563) (-)
 Ion 55.10 (54.80 to 55.80): VV015690.D (-1563) (-)
 Ion 98.15 (97.85 to 98.85): VV015690.D (-1563) (-)

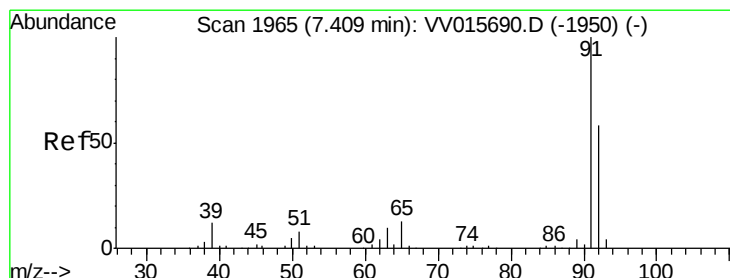
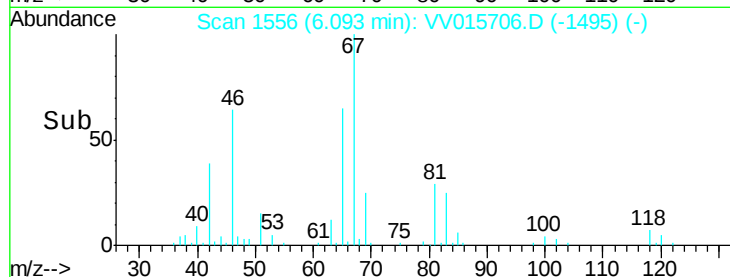
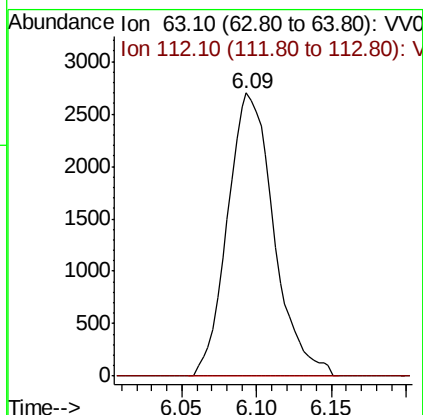
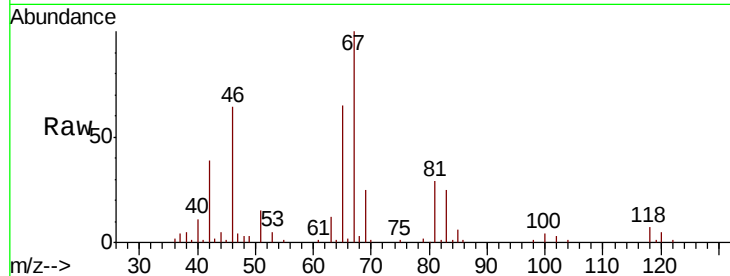




#37
 1,2-Dichloropropane
 Concen: 0.645 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015706.D
 Acq: 25 Apr 2020 20:11

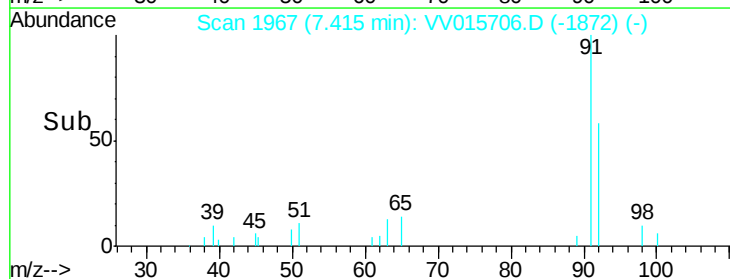
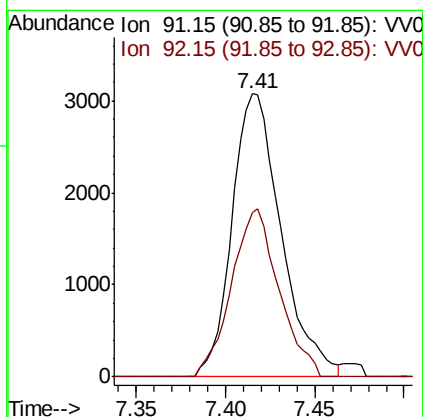
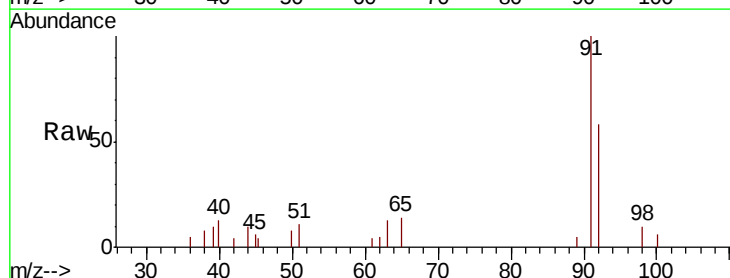
Instrument :
 MSVOA_V
 ClientSampleId :

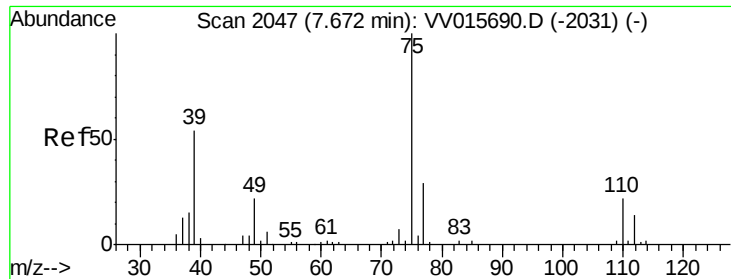
Tot Ion: 63 Resp: 5825
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#42
 Toluene
 Concen: 0.155 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV015706.D
 Acq: 25 Apr 2020 20:11

Tgt Ion: 91 Resp: 5897
 Ion Ratio Lower Upper
 91 100
 92 58.2 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015706.D

Acq: 25 Apr 2020 20:11

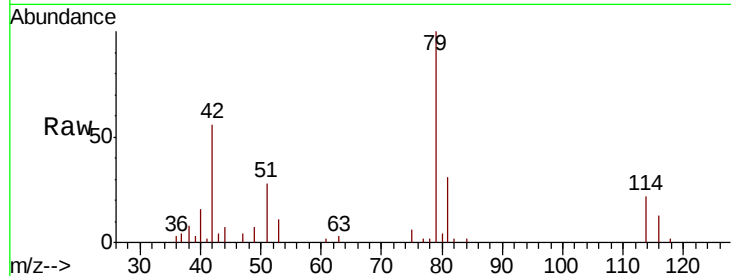
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 750

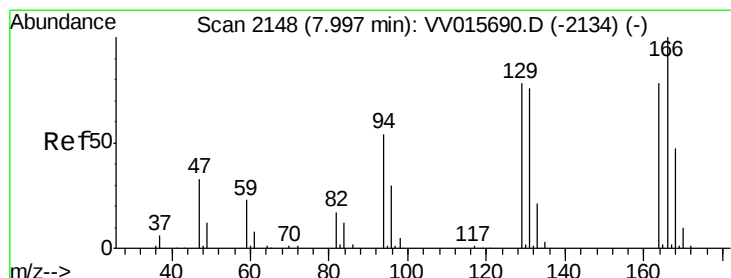
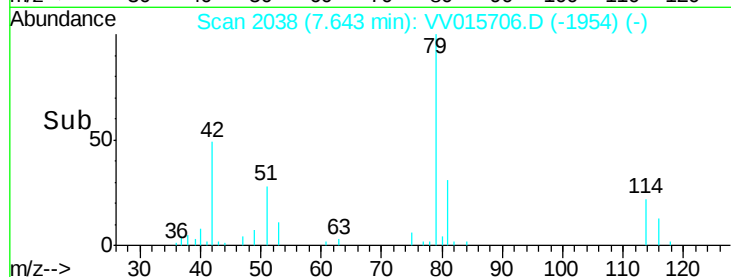
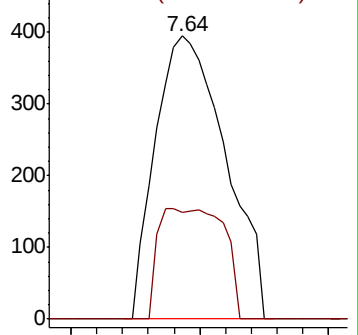
Ion Ratio Lower Upper

75 100

77 37.5 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015690.D (-2031) (-)



#47

Tetrachloroethene

Concen: 1.301 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015706.D

Acq: 25 Apr 2020 20:11

Tgt Ion:164 Resp: 9191

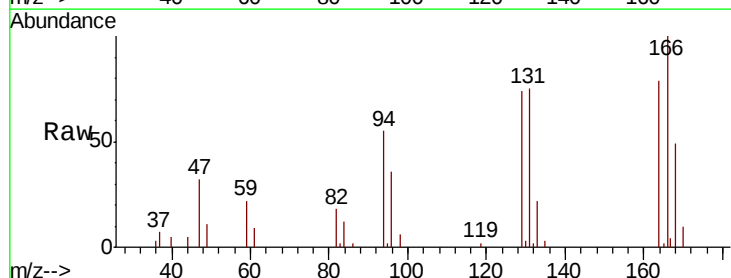
Ion Ratio Lower Upper

164 100

129 94.6 66.7 123.9

131 94.9 66.6 123.6

166 127.0 85.3 158.5

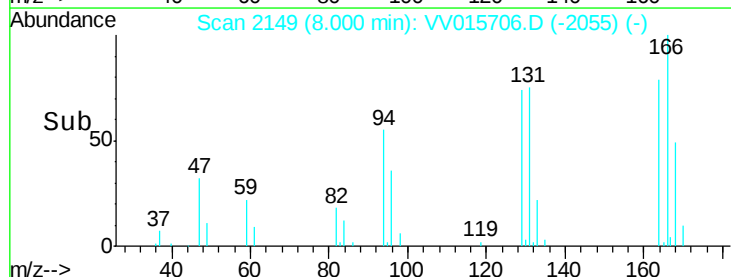
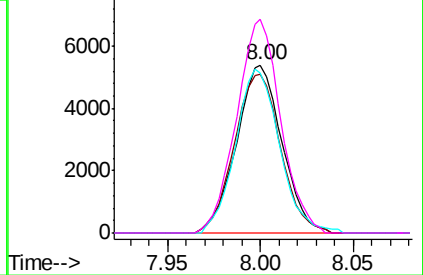


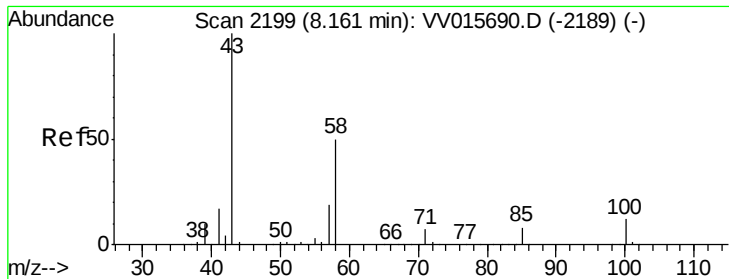
Abundance Ion 163.90 (163.60 to 164.60): VV015690.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV015690.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV015690.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV015690.D (-2134) (-)

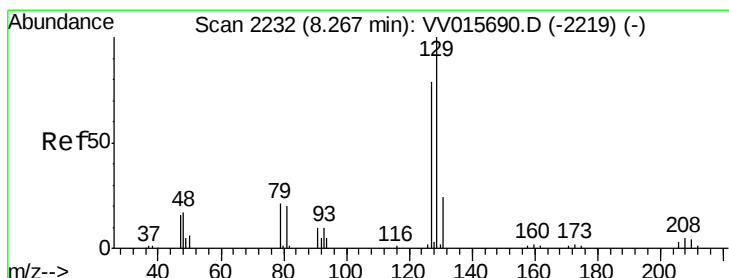
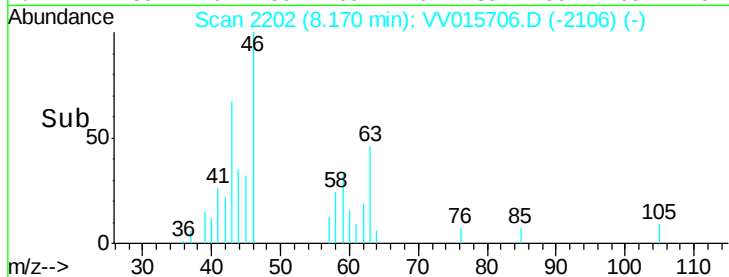
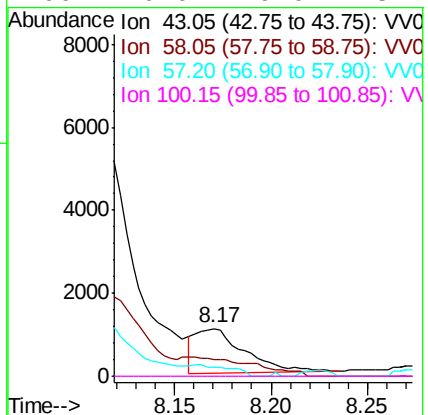
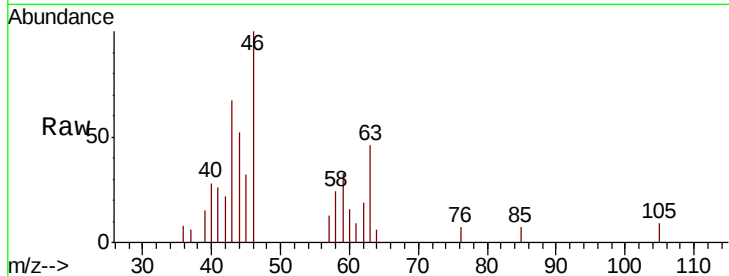




#48
2-Hexanone
Concen: 0.463 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015706.D
Acq: 25 Apr 2020 20:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
58 61.1 41.1 61.7
57 21.4 15.0 22.4
100 0.0 9.0 13.4#



#49
Dibromochloromethane
Concen: 1.356 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV015706.D
Acq: 25 Apr 2020 20:11

Tgt Ion: 129 Resp: 8638
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#

