

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015701.D
 Acq On : 25 Apr 2020 18:13
 Operator : SY/MD
 Sample : L2413-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 01:16:35 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	127594	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	122791	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57538	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29648	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.58	69	28454	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.12	63	46031	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	3.94	46	112413	52.50	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.00%
24) Chloroform-d	4.38	84	72869	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.06	65	42965	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.08	84	137158	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.10	67	44807	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.34	98	122789	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	7.65	79	13203	3.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.80%
46) 2-Hexanone-d5	8.12	63	81663	46.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	33214	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	48463	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	779	0.082	ug/L 87
5) Vinyl chloride	1.32	62	242448	24.010	ug/L 98
8) Chloroethane	1.36	64	26569	4.006	ug/L # 52
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	676	0.084	ug/L # 1
12) 1,1-Dichloroethene	2.13	96	1576	0.212	ug/L # 1
14) Carbon disulfide	2.30	76	1249	0.059	ug/L # 65
17) Methyl tert-butyl Ether	2.79	73	6252	0.300	ug/L # 70
18) trans-1,2-Dichloroethene	2.78	96	6442	0.775	ug/L 94
22) cis-1,2-Dichloroethene	3.94	96	519489	56.505	ug/L 96
30) Cyclohexane	4.70	56	1731	0.116	ug/L 96
34) Trichloroethene	5.94	95	3046	0.314	ug/L 92
37) 1,2-Dichloropropane	6.10	63	6006	0.674	ug/L # 86
39) cis-1,3-Dichloropropene	7.01	75	1154	0.093	ug/L # 54
44) trans-1,3-Dichloropropene	7.65	75	634	0.061	ug/L # 77
48) 2-Hexanone	8.16	43	4836	1.172	ug/L # 80

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

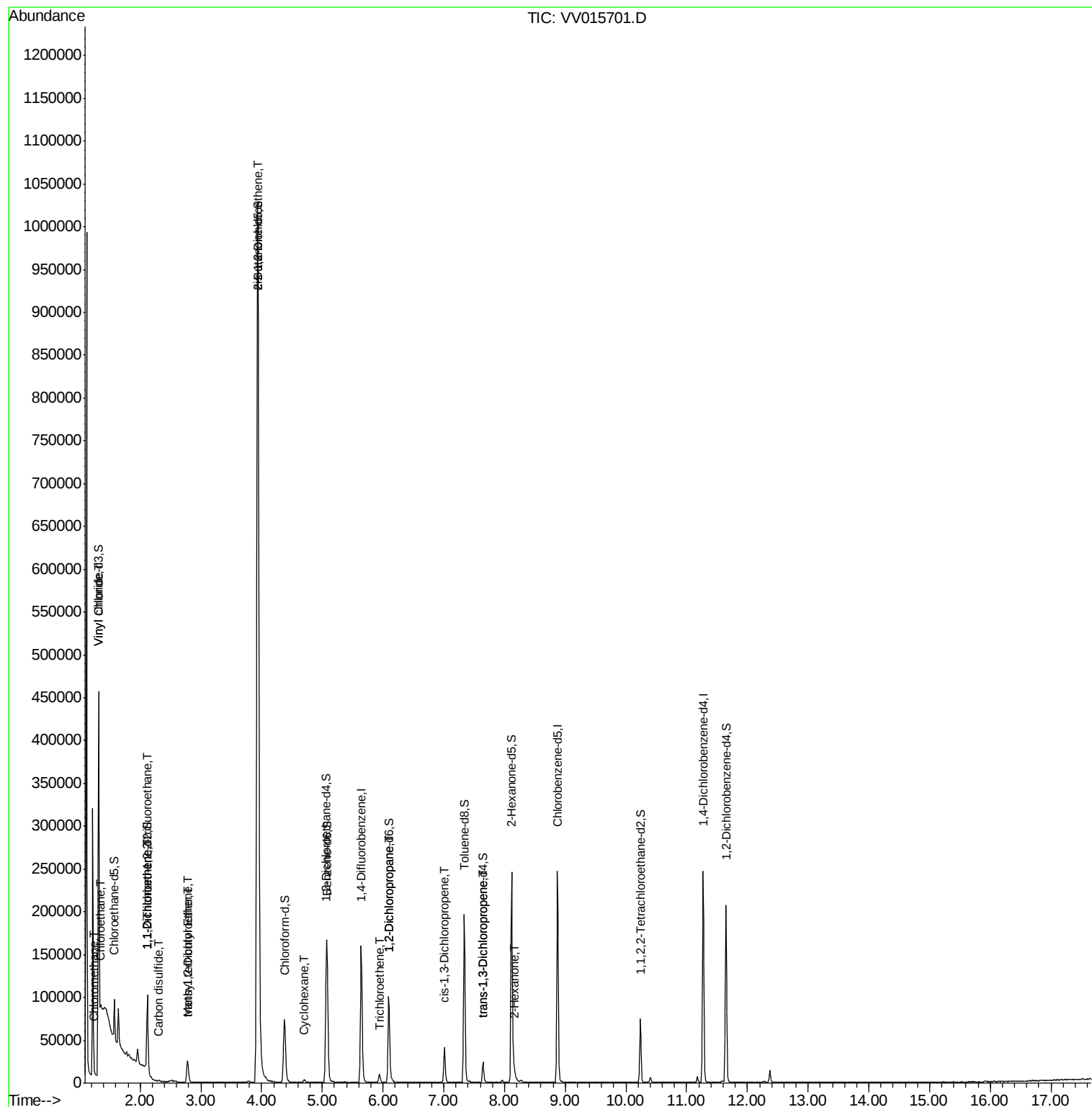
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

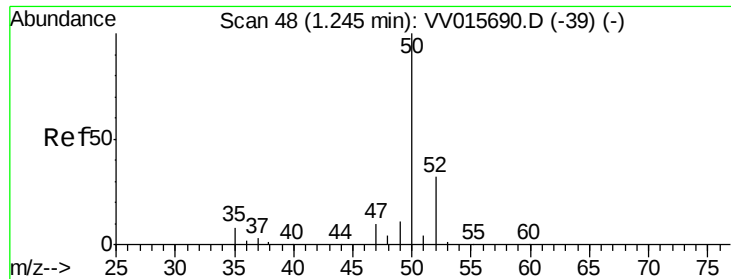
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.082 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015701.D

Acq: 25 Apr 2020 18:13

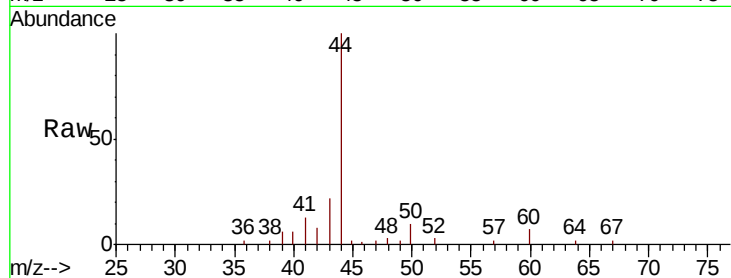
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 779

Ion Ratio Lower Upper

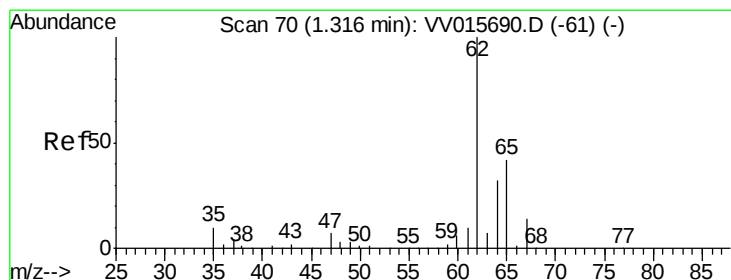
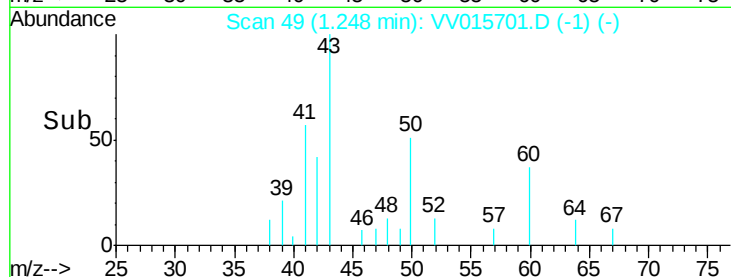
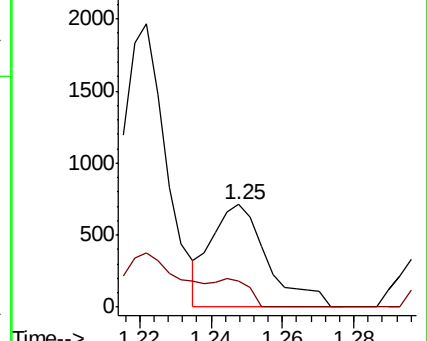
50 100

52 25.6 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: 24.010 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015701.D

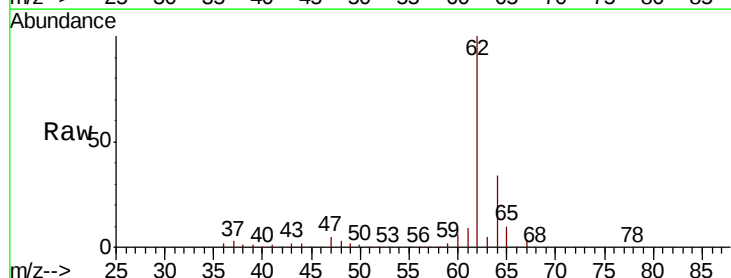
Acq: 25 Apr 2020 18:13

Tgt Ion: 62 Resp: 242448

Ion Ratio Lower Upper

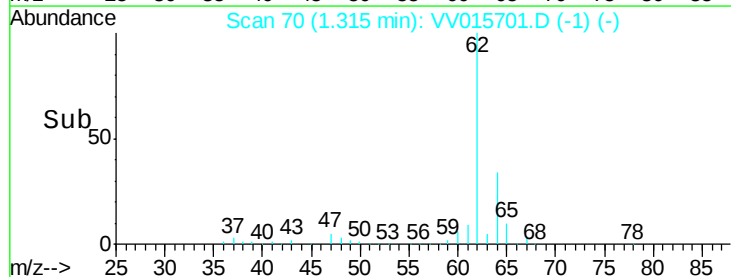
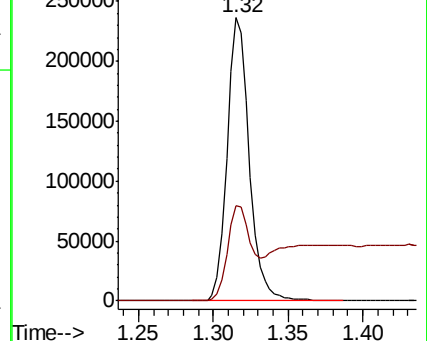
62 100

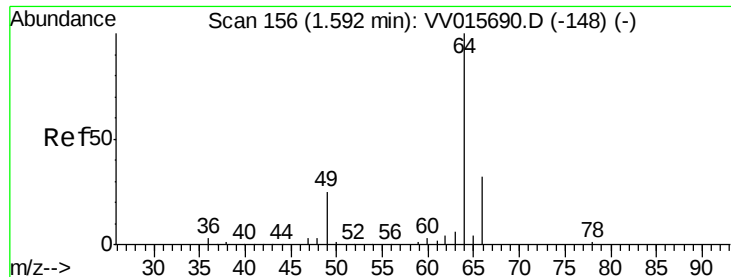
64 33.6 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 4.006 ug/L

RT: 1.36 min Scan# 84

Delta R.T. -0.23 min

Lab File: VV015701.D

Acq: 25 Apr 2020 18:13

Instrument :

MSVOA_V

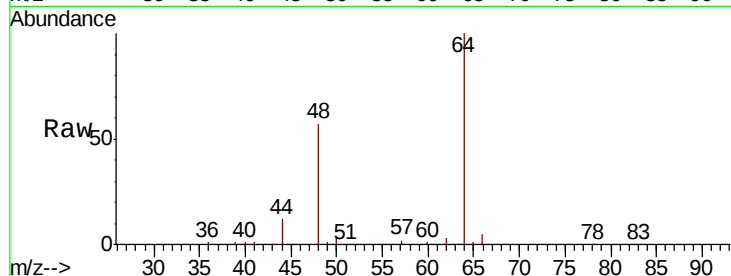
ClientSampled :

Tot Ion: 64 Resp: 26569

Ion Ratio Lower Upper

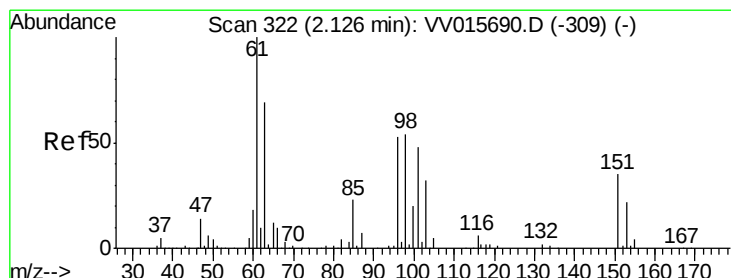
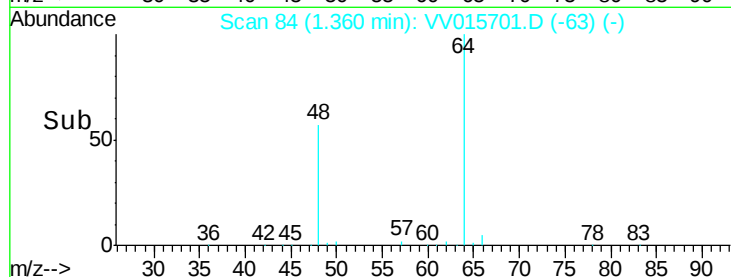
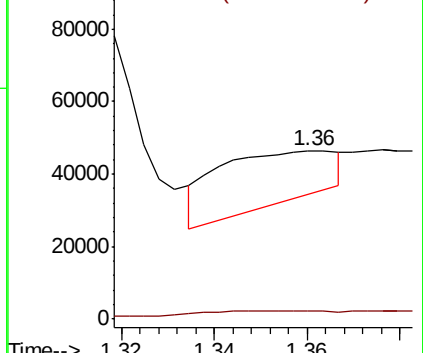
64 100

66 5.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV015690.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015690.D (-148) (-)



#10

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

Concen: 0.084 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015701.D

Acq: 25 Apr 2020 18:13

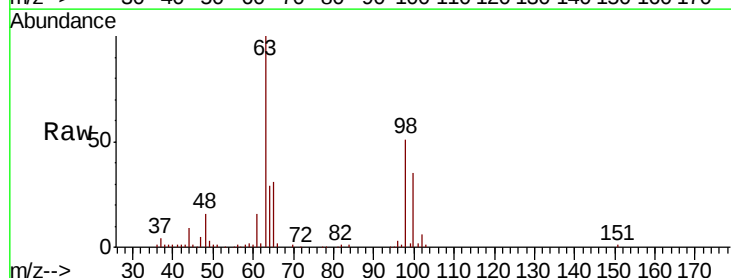
Tgt Ion:101 Resp: 676

Ion Ratio Lower Upper

101 100

85 416.3 36.1 54.1#

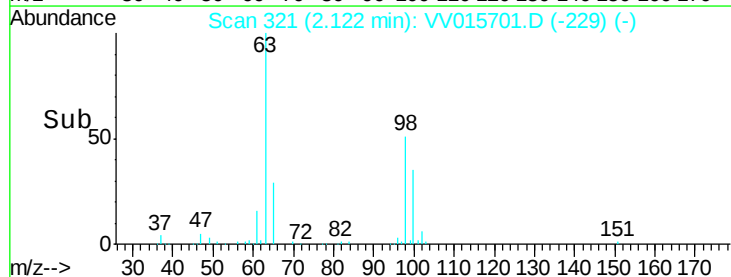
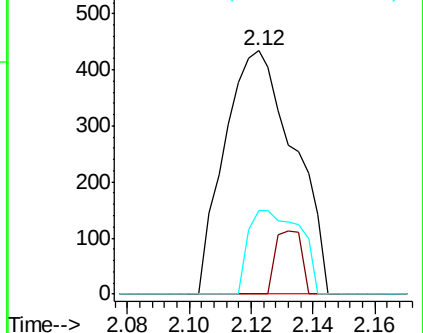
151 25.6 55.2 82.8#

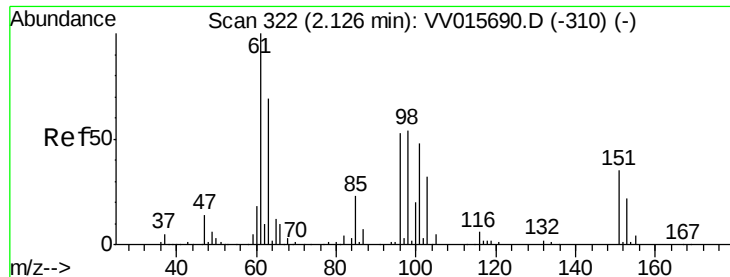


Abundance Ion 101.00 (100.70 to 101.70): VV015690.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015690.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015690.D (-309) (-)





#12

1,1-Dichloroethene

Concen: 0.212 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015701.D

Acq: 25 Apr 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

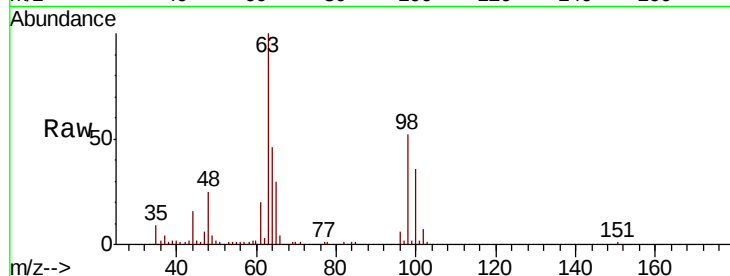
Tot Ion: 96 Resp: 1576

Ion Ratio Lower Upper

96 100

61 364.2 130.1 241.7#

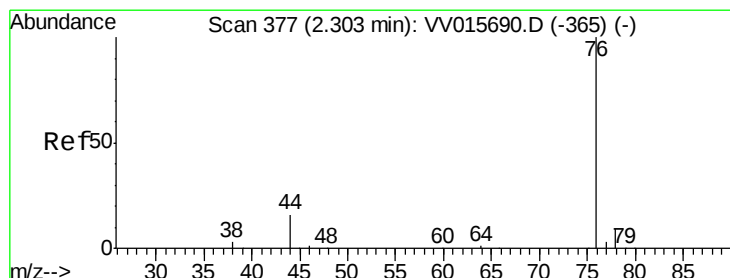
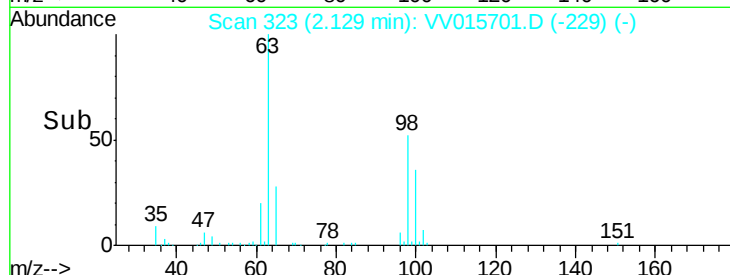
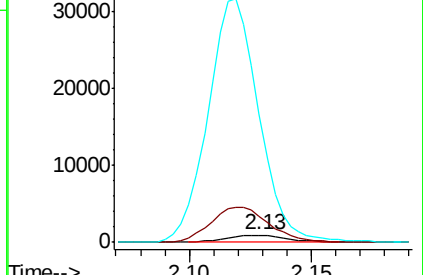
63 1813.0 91.4 169.8#



Abundance Ion 96.00 (95.70 to 96.70): VV015701.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015701.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015701.D (-229) (-)



#14

Carbon disulfide

Concen: 0.059 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015701.D

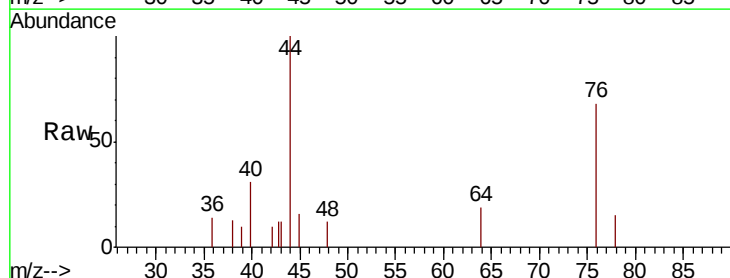
Acq: 25 Apr 2020 18:13

Tgt Ion: 76 Resp: 1249

Ion Ratio Lower Upper

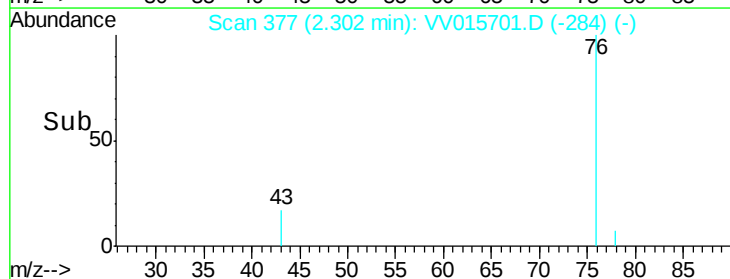
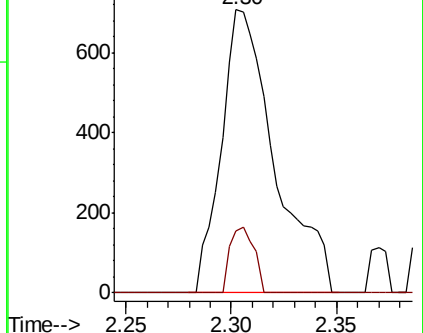
76 100

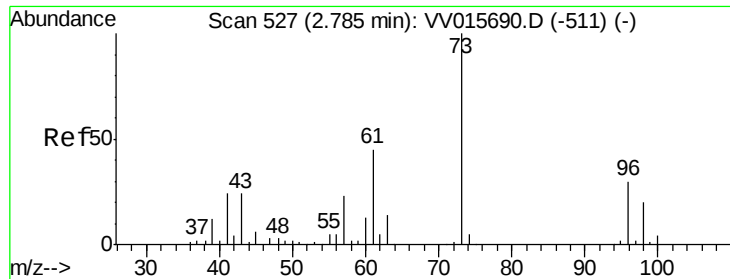
78 22.1 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV015701.D (-284) (-)

Ion 78.00 (77.70 to 78.70): VV015701.D (-284) (-)

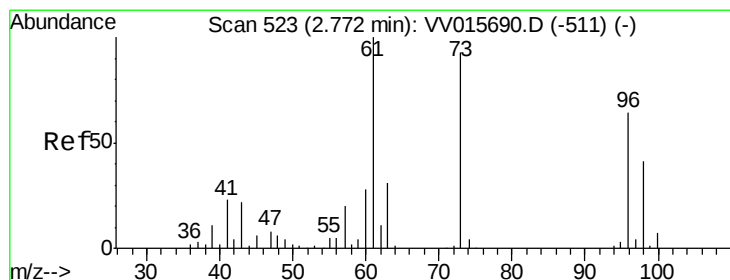
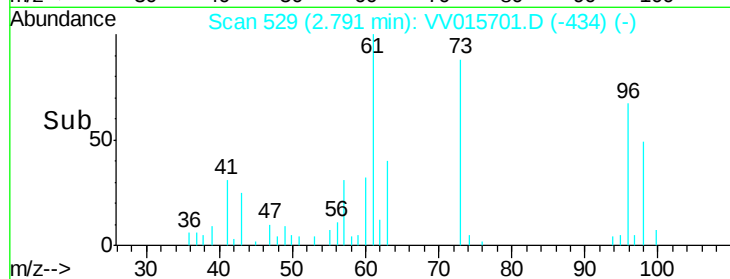
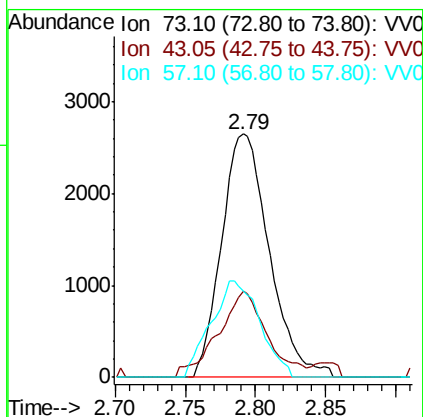
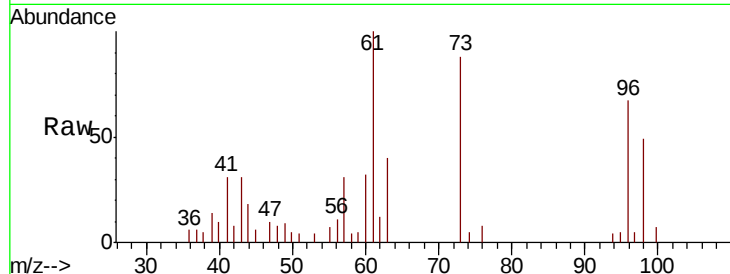




#17
Methvl tert-butvl Ether
Concen: 0.300 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV015701.D
Acq: 25 Apr 2020 18:13

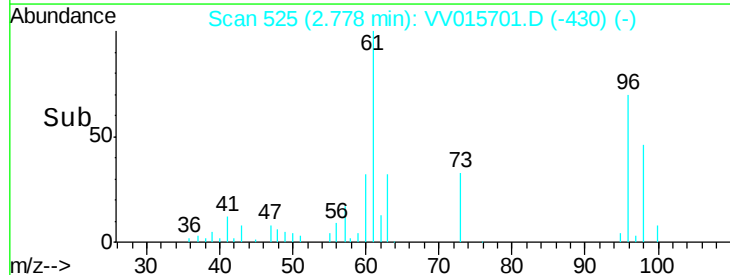
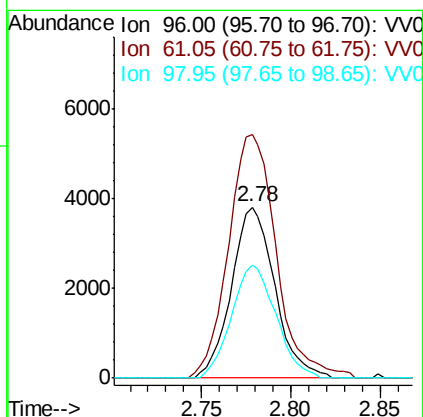
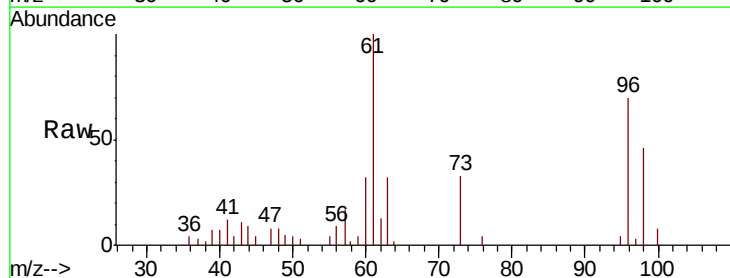
Instrument :
MSVOA_V
ClientSampleId :

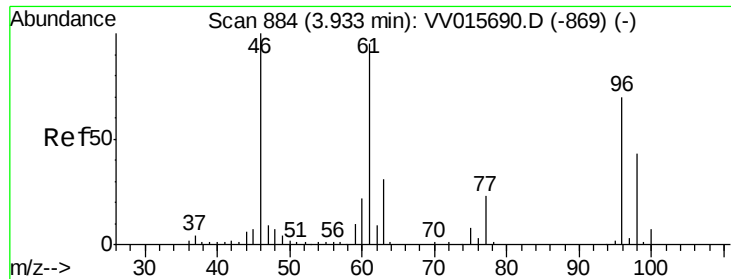
Tot Ion: 73 Resp: 6252
Ion Ratio Lower Upper
73 100
43 36.4 20.1 30.1#
57 40.6 17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 0.775 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.01 min
Lab File: VV015701.D
Acq: 25 Apr 2020 18:13

Tgt Ion: 96 Resp: 6442
Ion Ratio Lower Upper
96 100
61 142.7 105.5 195.9
98 66.2 44.2 82.0



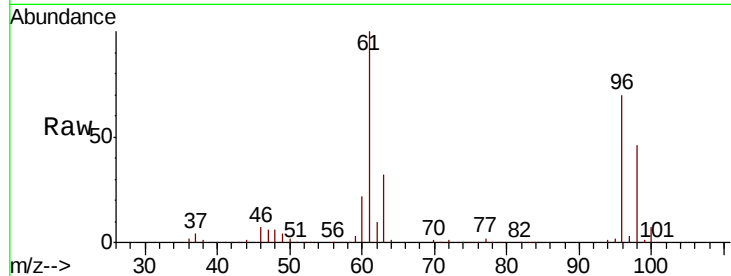


#22

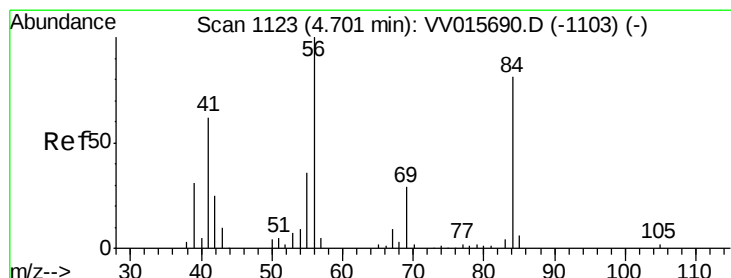
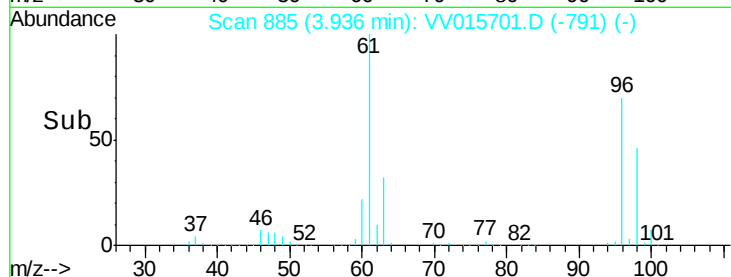
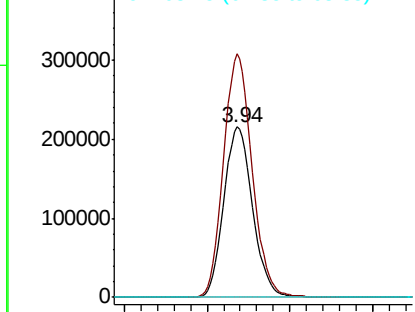
cis-1,2-Dichloroethene
Concen: 56.505 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV015701.D
Acq: 25 Apr 2020 18:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 519489
Ion Ratio Lower Upper
96 100
61 142.8 96.4 179.0
68 0.0 0.0 0.0



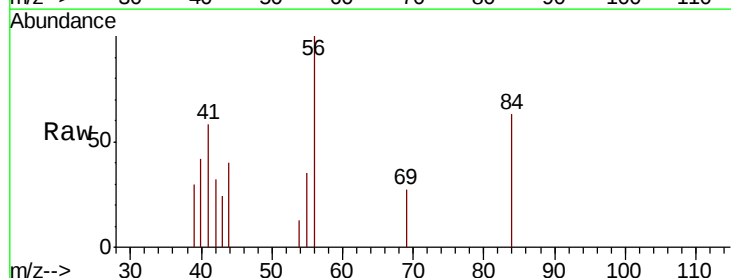
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



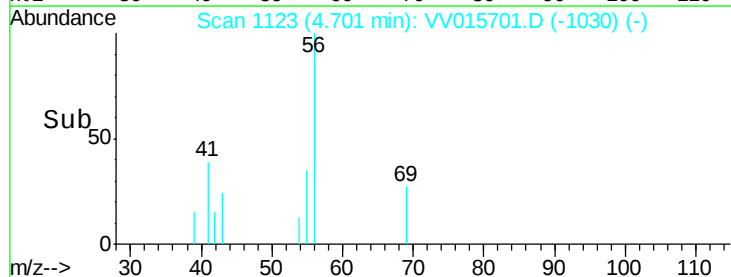
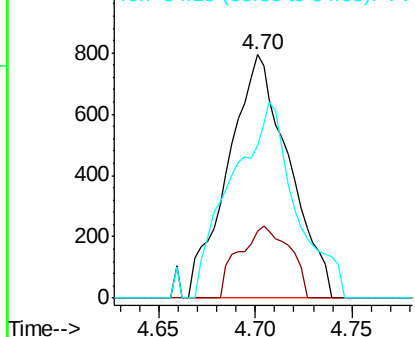
#30

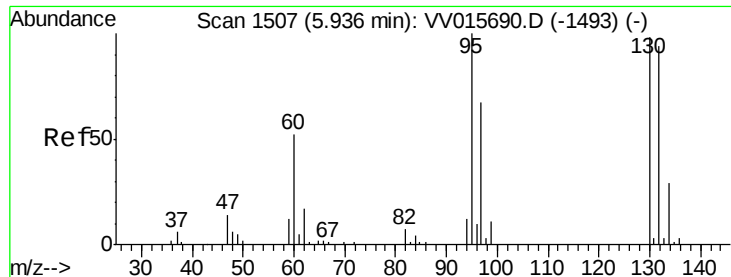
Cyclohexane
Concen: 0.116 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV015701.D
Acq: 25 Apr 2020 18:13

Tgt Ion: 56 Resp: 1731
Ion Ratio Lower Upper
56 100
69 24.6 23.9 35.9
84 85.0 66.9 100.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

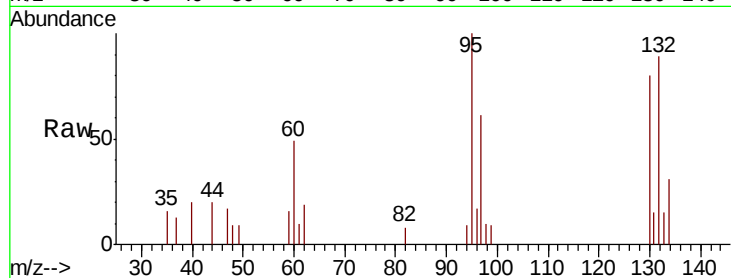




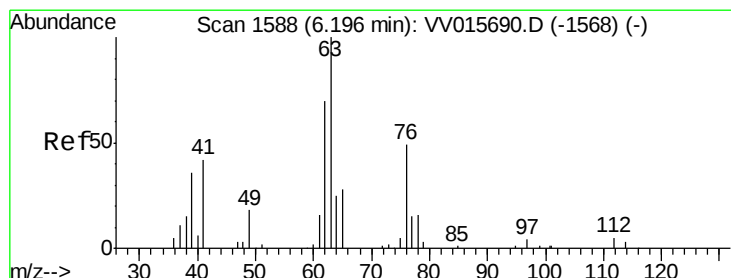
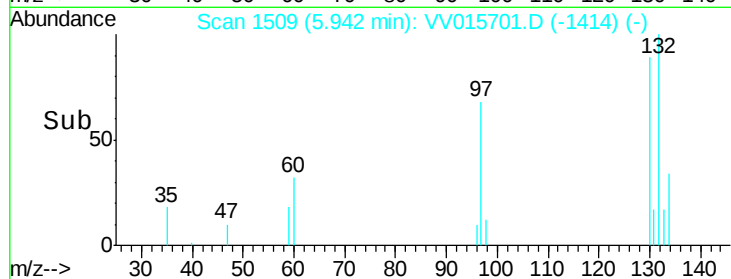
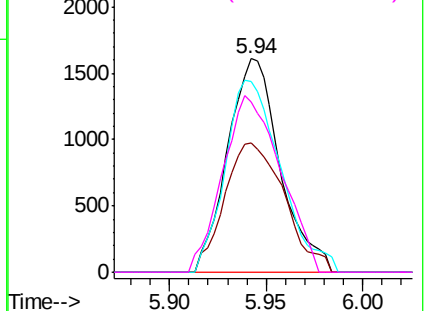
#34
 Trichloroethene
 Concen: 0.314 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV015701.D
 Acq: 25 Apr 2020 18:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 3046
 Ion Ratio Lower Upper
 95 100
 97 60.6 44.7 82.9
 132 89.3 65.2 121.0
 130 79.8 65.0 120.6

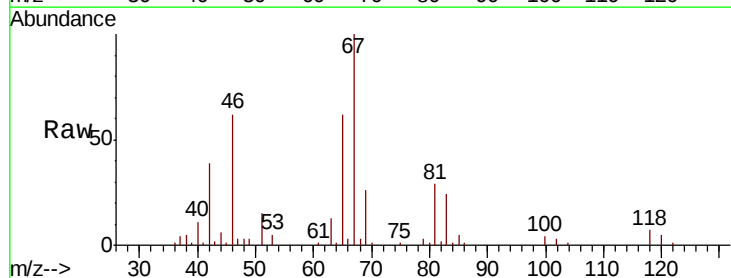


Abundance Ion 95.00 (94.70 to 95.70): VV015690.D (-1493) (-)
 Ion 96.95 (96.65 to 97.65): VV015690.D (-1493) (-)
 Ion 131.95 (131.65 to 132.65): VV015690.D (-1493) (-)
 Ion 129.95 (129.65 to 130.65): VV015690.D (-1493) (-)

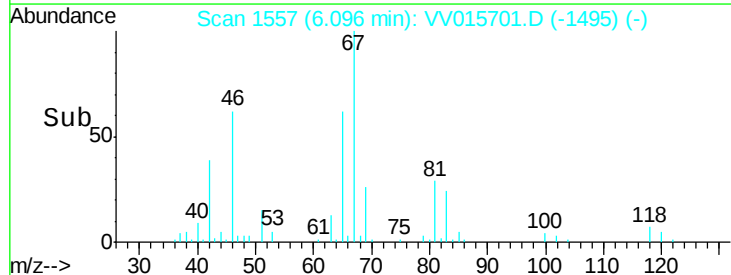
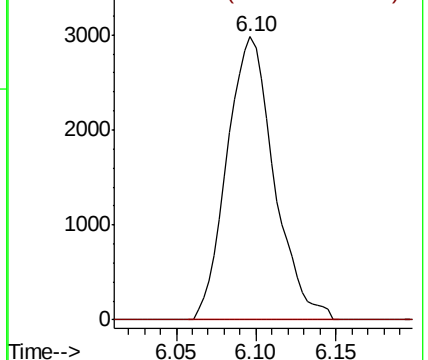


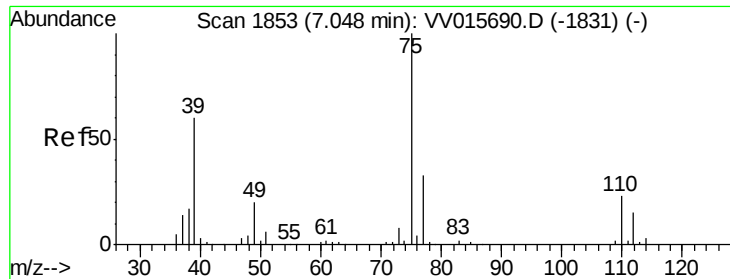
#37
 1,2-Dichloropropane
 Concen: 0.674 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015701.D
 Acq: 25 Apr 2020 18:13

Tgt Ion: 63 Resp: 6006
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015690.D (-1568) (-)
 Ion 112.10 (111.80 to 112.80): VV015690.D (-1568) (-)

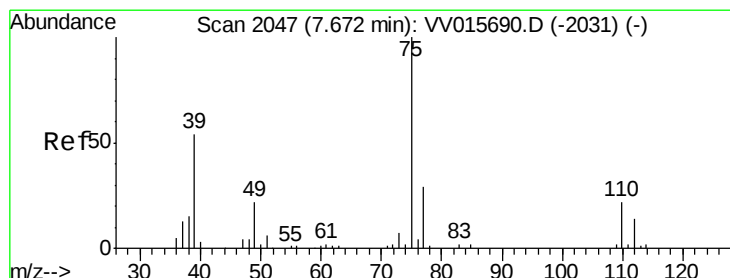
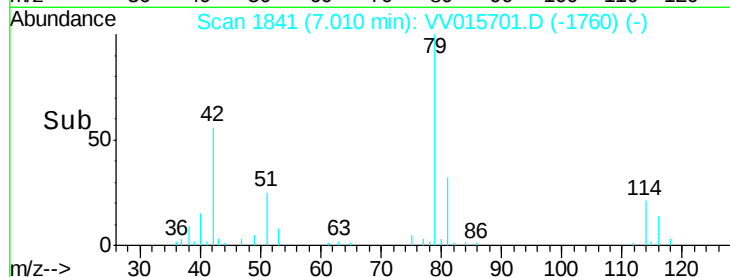
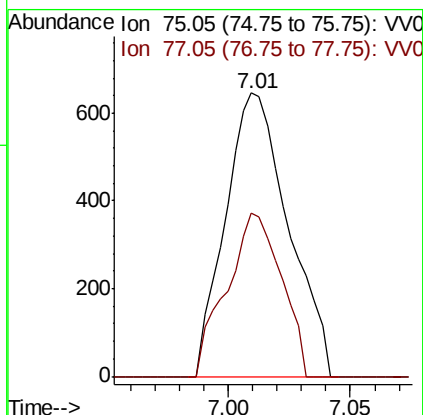
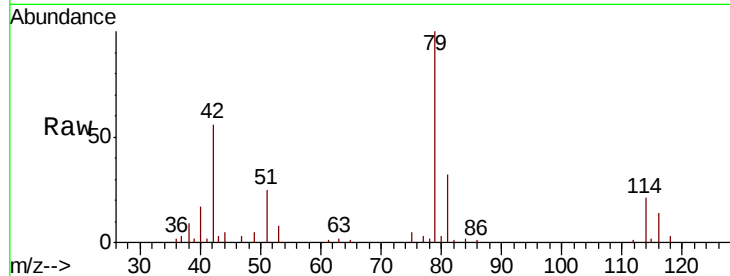




#39
 cis-1,3-Dichloropropene
 Concen: 0.093 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015701.D
 Acq: 25 Apr 2020 18:13

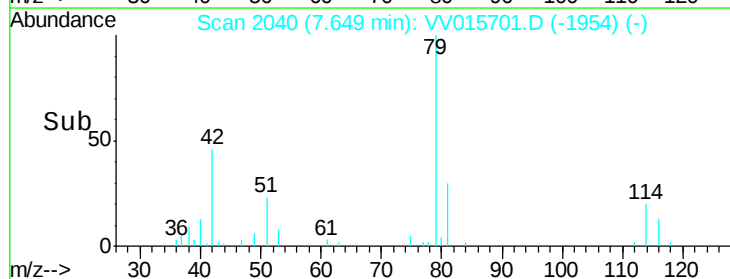
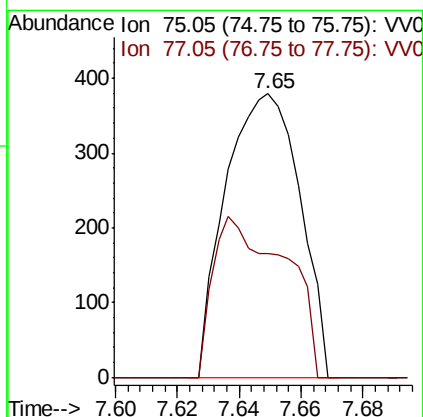
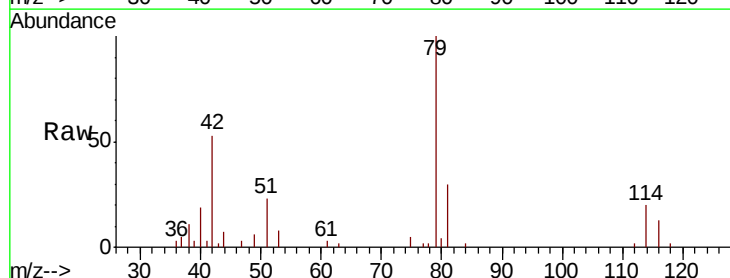
Instrument :
 MSVOA_V
 ClientSampleId :

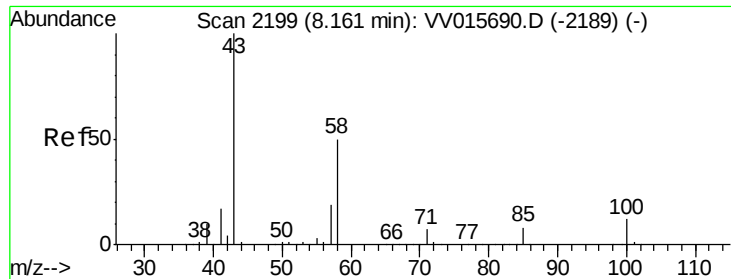
Tot Ion: 75 Resp: 1154
 Ion Ratio Lower Upper
 75 100
 77 57.6 22.3 41.5#



#44
 trans-1,3-Dichloropropene
 Concen: 0.061 ug/L
 RT: 7.65 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: VV015701.D
 Acq: 25 Apr 2020 18:13

Tgt Ion: 75 Resp: 634
 Ion Ratio Lower Upper
 75 100
 77 43.8 21.8 40.6#





#48

2-Hexanone

Concen: 1.172 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV015701.D

Acq: 25 Apr 2020 18:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4836

Ion Ratio Lower Upper

43 100

58 31.1 41.1 61.7#

57 17.0 15.0 22.4

100 7.8 9.0 13.4#

