

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015702.D
 Acq On : 25 Apr 2020 18:36
 Operator : SY/MD
 Sample : L2413-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 01:16:49 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	127744	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	123021	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	58981	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26557	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.58	69	28057	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.12	63	44006	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	3.92	46	100974	47.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.22%
24) Chloroform-d	4.38	84	70992	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.06	65	40784	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.08	84	130979	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.10	67	42461	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.34	98	117413	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	7.64	79	11065	3.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.00%
46) 2-Hexanone-d5	8.11	63	76613	43.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.60%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	31799	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	47211	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

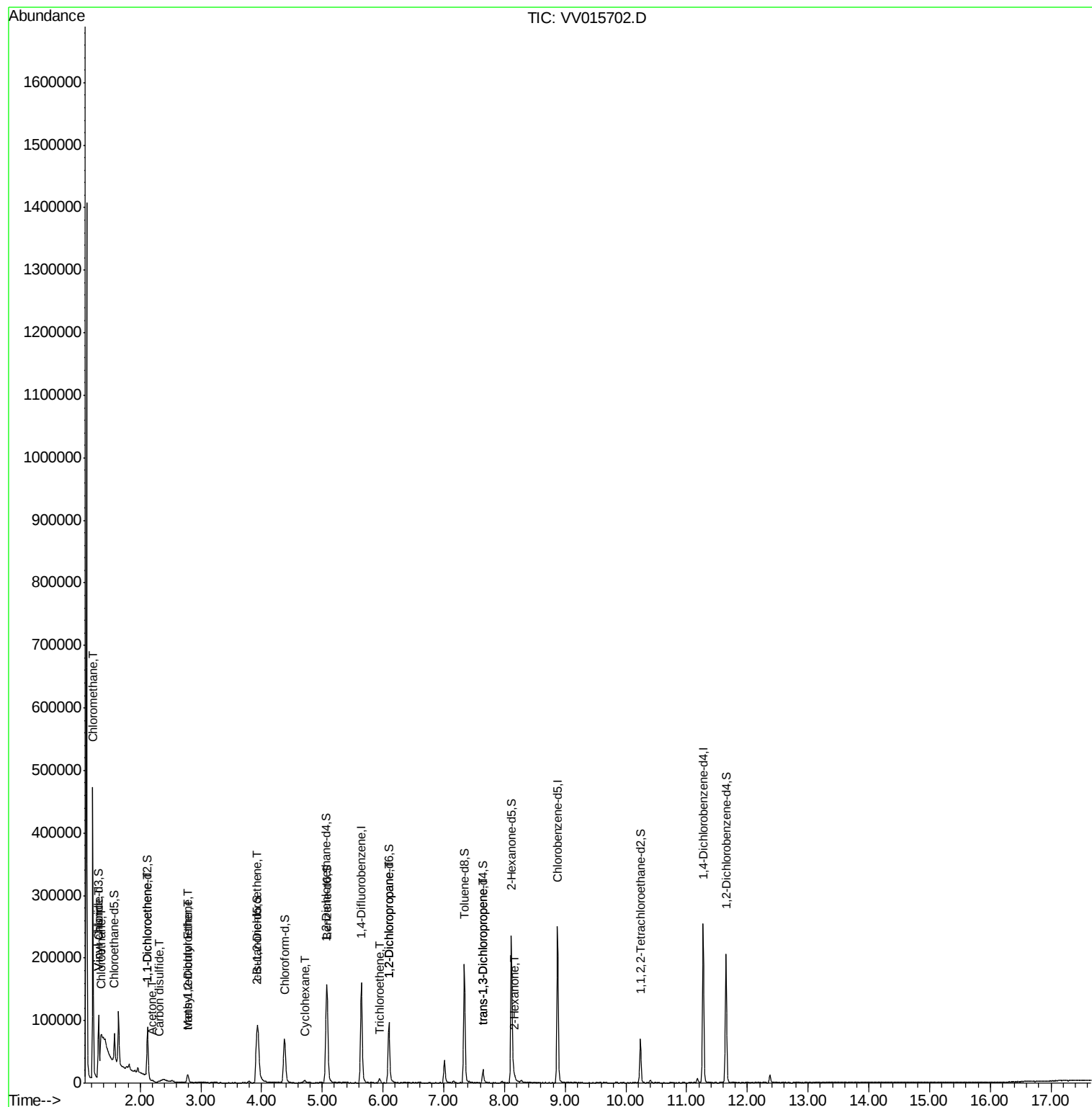
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.22	50	3528	0.373	ug/L #	69
5) Vinyl chloride	1.32	62	30769	3.043	ug/L	91
8) Chloroethane	1.37	64	83311	12.547	ug/L #	51
12) 1,1-Dichloroethene	2.12	96	688	0.093	ug/L #	1
13) Acetone	2.19	43	2526	1.697	ug/L	80
14) Carbon disulfide	2.31	76	1067	0.051	ug/L #	85
17) Methyl tert-butyl Ether	2.79	73	4223	0.202	ug/L #	17
18) trans-1,2-Dichloroethene	2.78	96	1379	0.166	ug/L	95
22) cis-1,2-Dichloroethene	3.94	96	28594	3.107	ug/L	90
30) Cyclohexane	4.70	56	1938	0.130	ug/L #	93
34) Trichloroethene	5.95	95	2071	0.213	ug/L	94
37) 1,2-Dichloropropane	6.09	63	5476	0.613	ug/L #	86
44) trans-1,3-Dichloropropene	7.65	75	616	0.059	ug/L	89
48) 2-Hexanone	8.17	43	2580	0.624	ug/L #	46

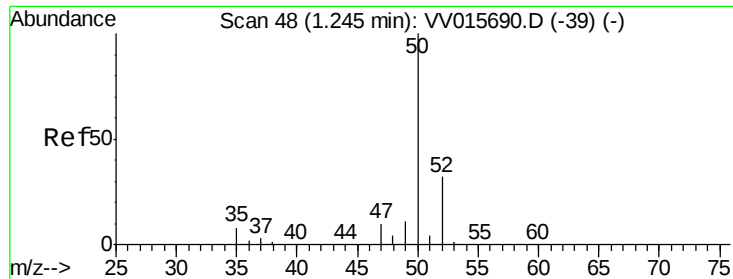
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.373 ug/L

RT: 1.22 min Scan# 41

Delta R.T. -0.02 min

Lab File: VV015702.D

Acq: 25 Apr 2020 18:36

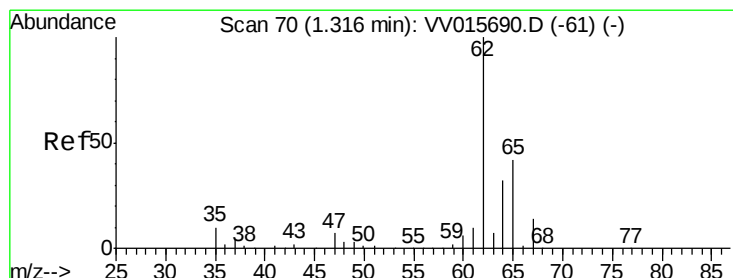
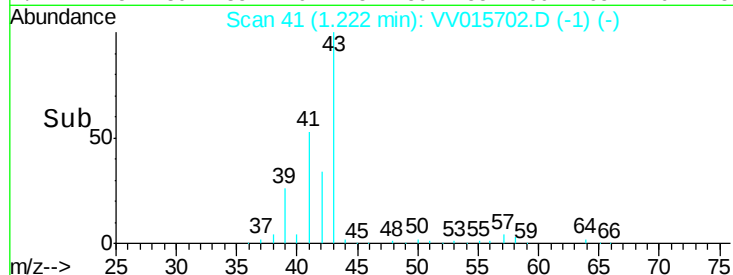
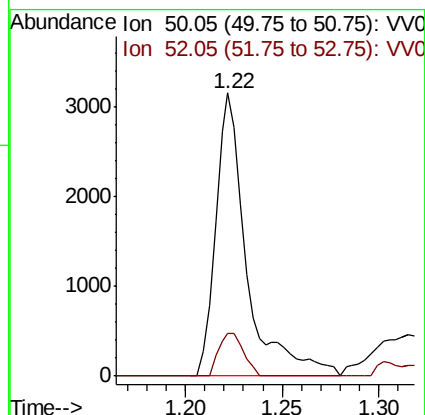
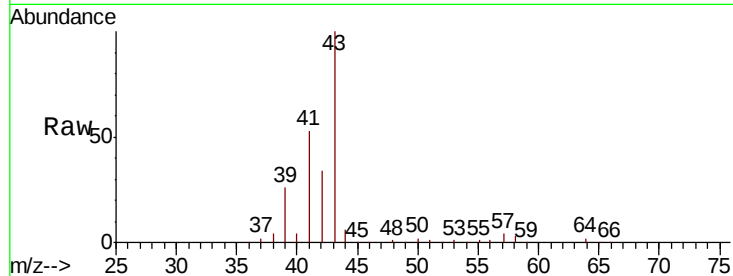
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 3528

Ion Ratio Lower Upper

50 100

52 15.3 22.9 42.5#



#5

Vinyl chloride

Concen: 3.043 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015702.D

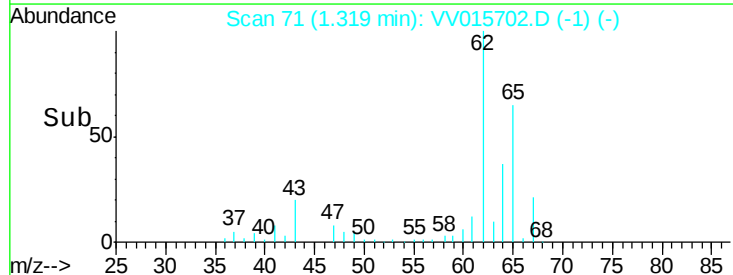
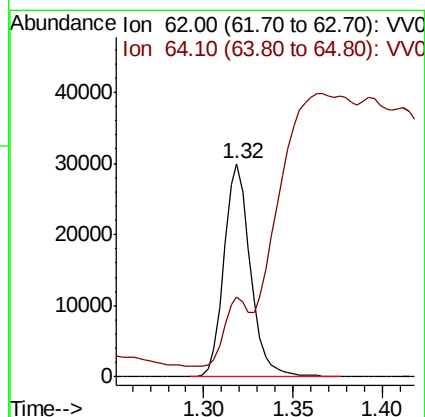
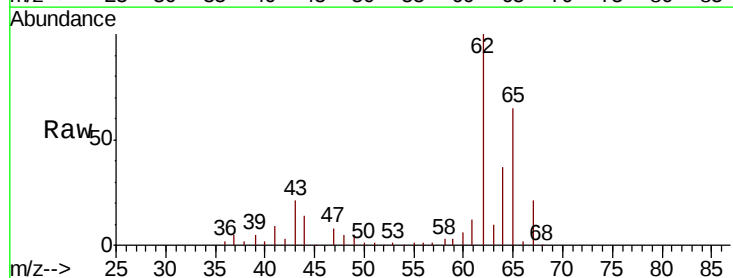
Acq: 25 Apr 2020 18:36

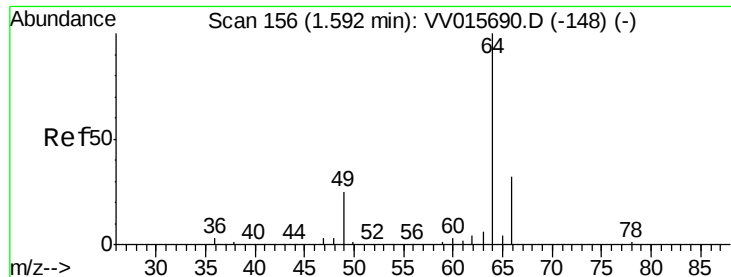
Tgt Ion: 62 Resp: 30769

Ion Ratio Lower Upper

62 100

64 37.4 22.7 42.1





#8

Chloroethane

Concen: 12.547 ug/L

RT: 1.37 min Scan# 86

Delta R.T. -0.23 min

Lab File: VV015702.D

Acq: 25 Apr 2020 18:36

Instrument :

MSVOA_V

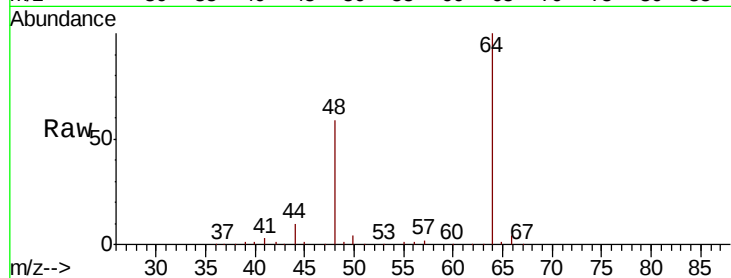
ClientSampled :

Tot Ion: 64 Resp: 83311

Ion Ratio Lower Upper

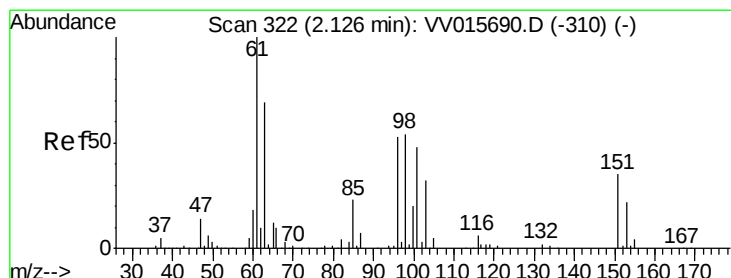
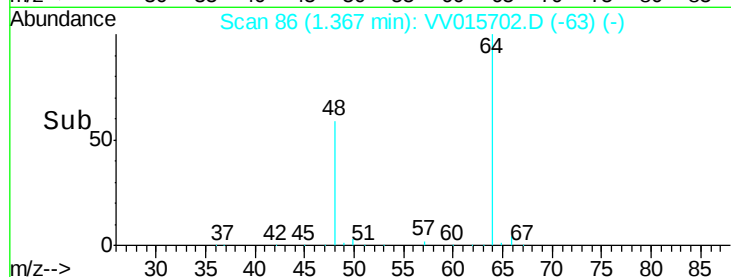
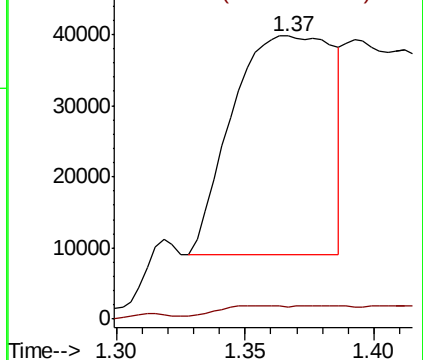
64 100

66 4.5 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#12

1,1-Dichloroethene

Concen: 0.093 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015702.D

Acq: 25 Apr 2020 18:36

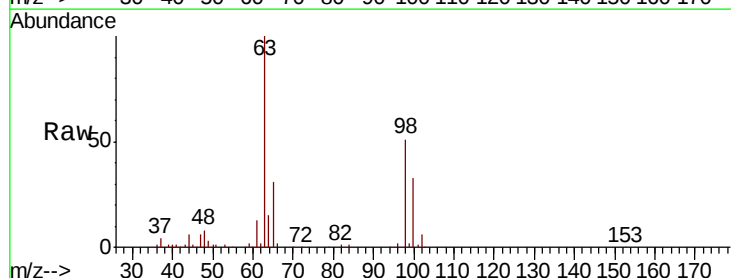
Tgt Ion: 96 Resp: 688

Ion Ratio Lower Upper

96 100

61 865.2 130.1 241.7#

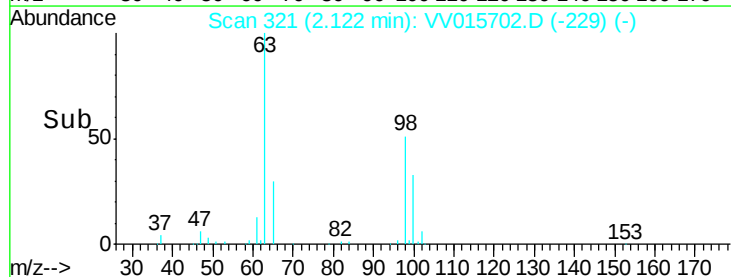
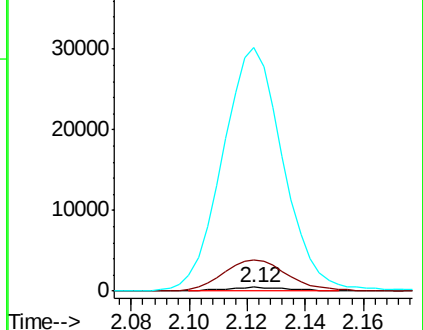
63 6650.2 91.4 169.8#

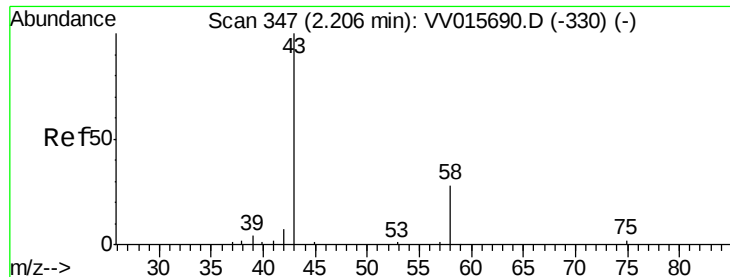


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.697 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV015702.D

Acq: 25 Apr 2020 18:36

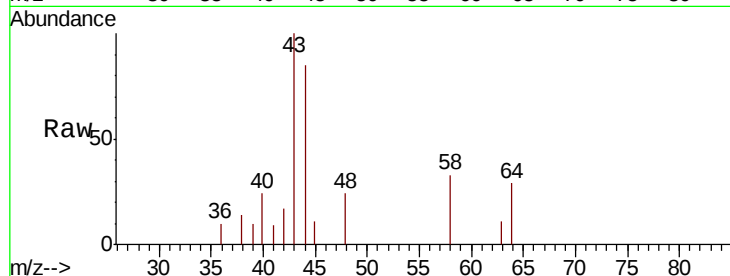
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 2526

Ion Ratio Lower Upper

43 100

58 39.7 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015690.D (-330) (-)

Ion 58.05 (57.75 to 58.75): VV015690.D (-330) (-)

2.19

1500

1000

500

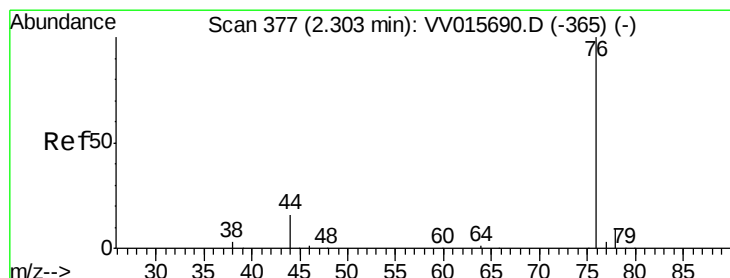
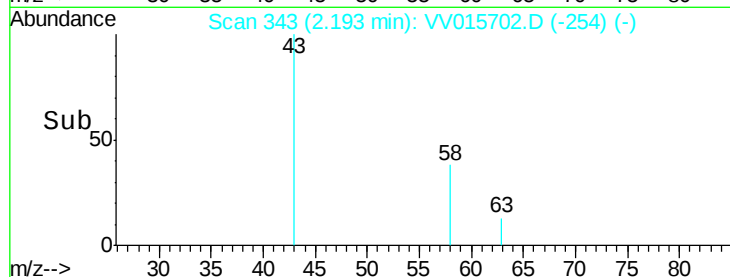
0

2.15

2.20

2.25

Time-->



#14

Carbon disulfide

Concen: 0.051 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV015702.D

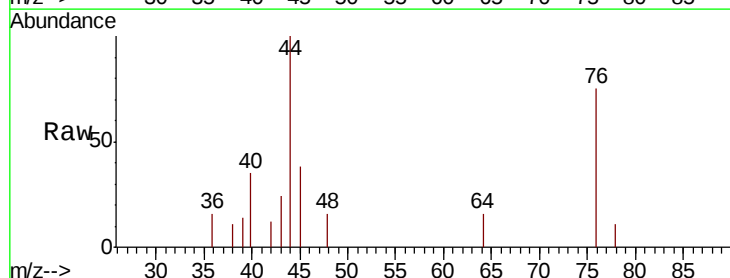
Acq: 25 Apr 2020 18:36

Tgt Ion: 76 Resp: 1067

Ion Ratio Lower Upper

76 100

78 14.7 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV015690.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015690.D (-365) (-)

2.31

800

600

400

200

0

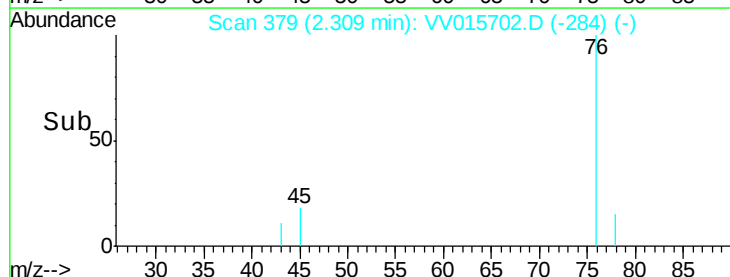
2.28

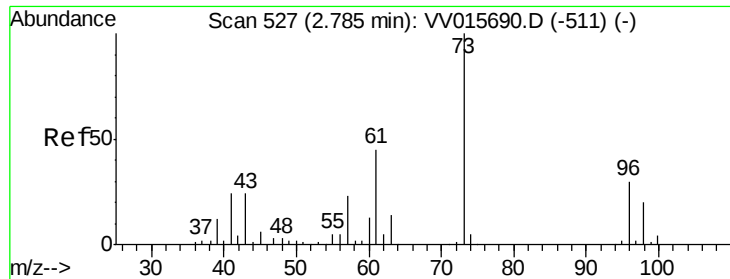
2.30

2.32

2.34

Time-->



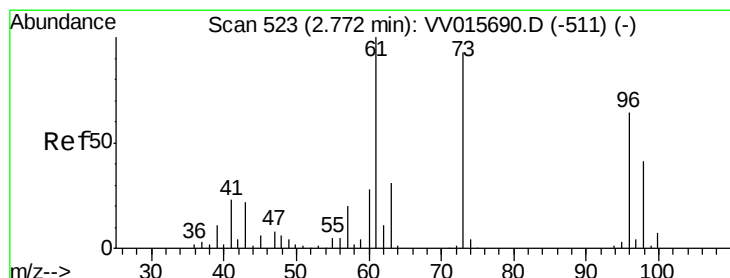
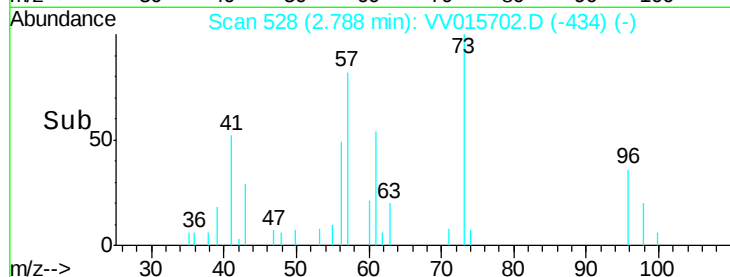
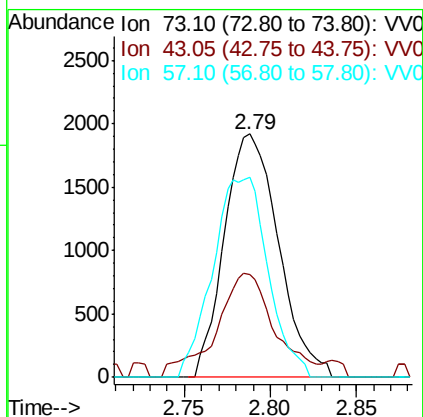
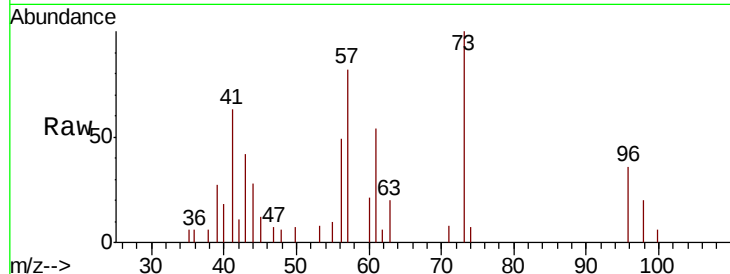


#17

Methvl tert-butvl Ether
 Concen: 0.202 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV015702.D
 Acq: 25 Apr 2020 18:36

Instrument :
 MSVOA_V
 ClientSampled :

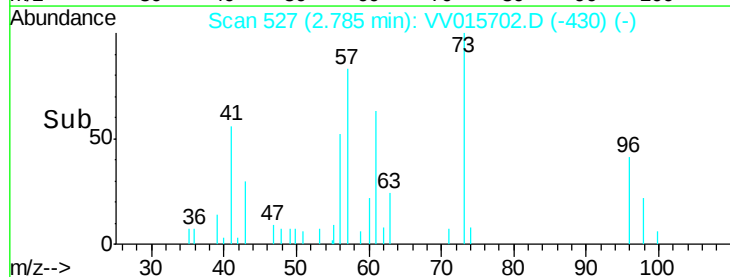
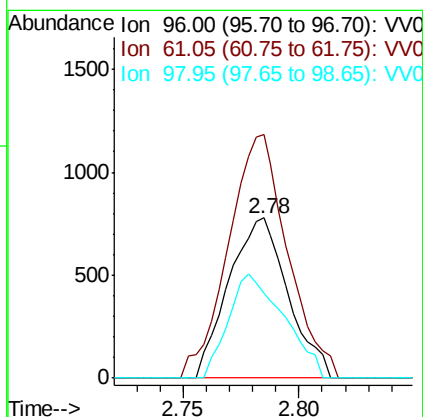
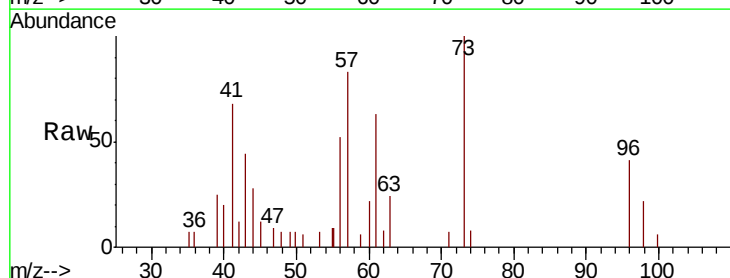
Tot Ion: 73 Resp: 4223
 Ion Ratio Lower Upper
 73 100
 43 46.5 20.1 30.1#
 57 83.4 17.8 26.8#

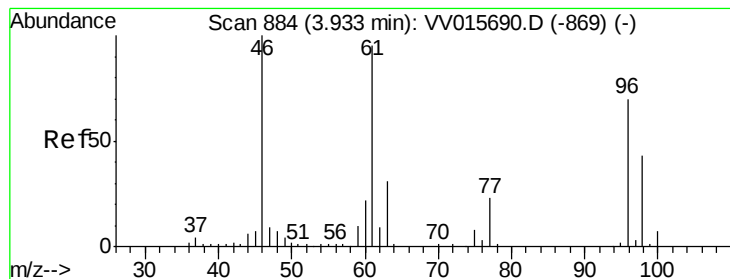


#18

trans-1,2-Dichloroethene
 Concen: 0.166 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VV015702.D
 Acq: 25 Apr 2020 18:36

Tgt Ion: 96 Resp: 1379
 Ion Ratio Lower Upper
 96 100
 61 152.1 105.5 195.9
 98 53.1 44.2 82.0





#22

cis-1,2-Dichloroethene

Concen: 3.107 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV015702.D

Acq: 25 Apr 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

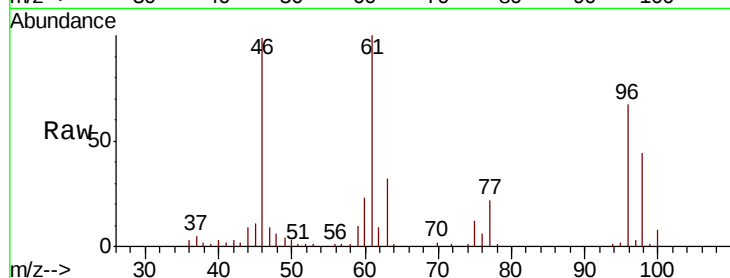
Tot Ion: 96 Resp: 28594

Ion Ratio Lower Upper

96 100

61 149.3 96.4 179.0

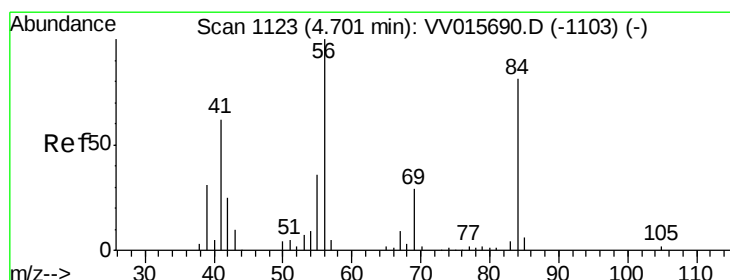
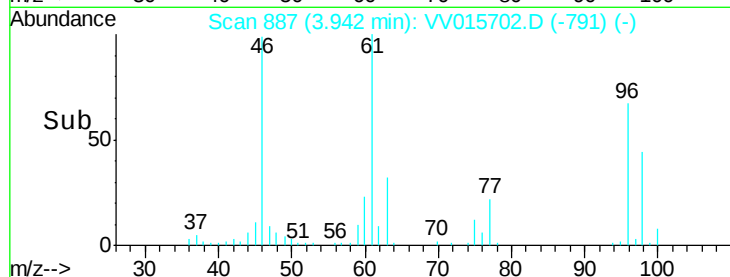
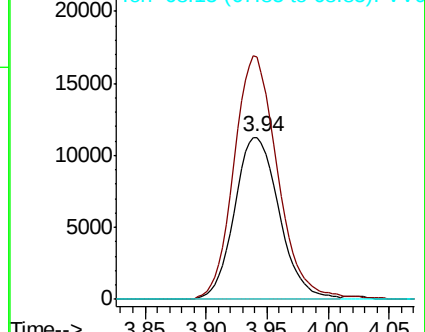
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015690.D (-869) (-)

Ion 61.05 (60.75 to 61.75): VV015690.D (-869) (-)

Ion 68.15 (67.85 to 68.85): VV015690.D (-869) (-)



#30

Cyclohexane

Concen: 0.130 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015702.D

Acq: 25 Apr 2020 18:36

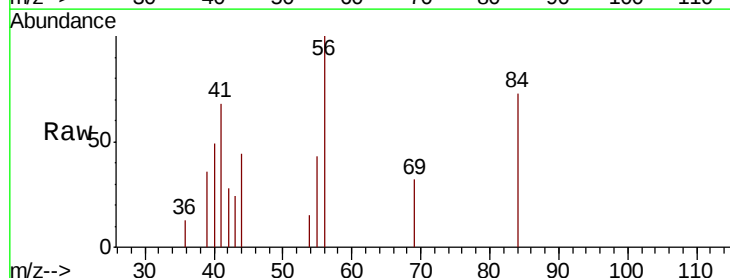
Tgt Ion: 56 Resp: 1938

Ion Ratio Lower Upper

56 100

69 22.7 23.9 35.9#

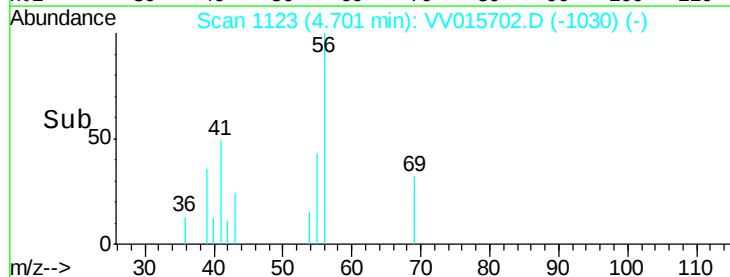
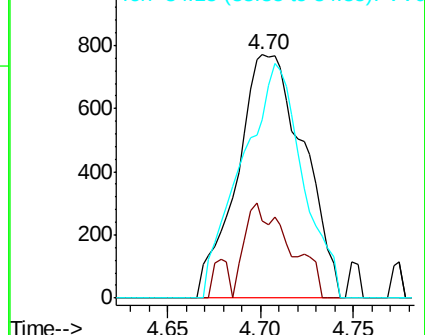
84 87.9 66.9 100.3

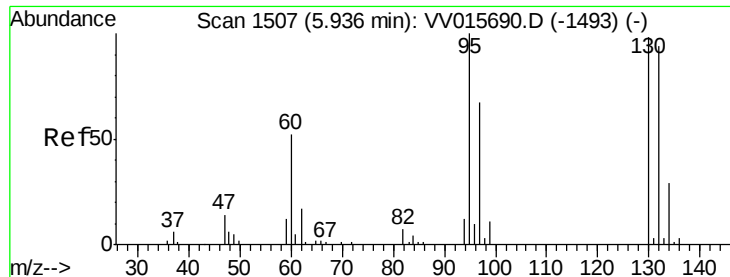


Abundance Ion 56.10 (55.80 to 56.80): VV015690.D (-1103) (-)

Ion 69.15 (68.85 to 69.85): VV015690.D (-1103) (-)

Ion 84.15 (83.85 to 84.85): VV015690.D (-1103) (-)





#34

Trichloroethene

Concen: 0.213 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV015702.D

Acq: 25 Apr 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 2071

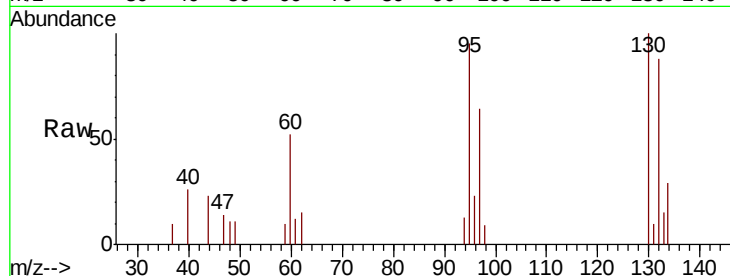
Ion Ratio Lower Upper

95 100

97 67.7 44.7 82.9

132 92.4 65.2 121.0

130 105.0 65.0 120.6

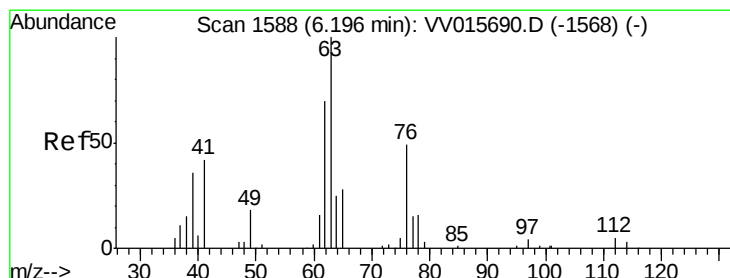
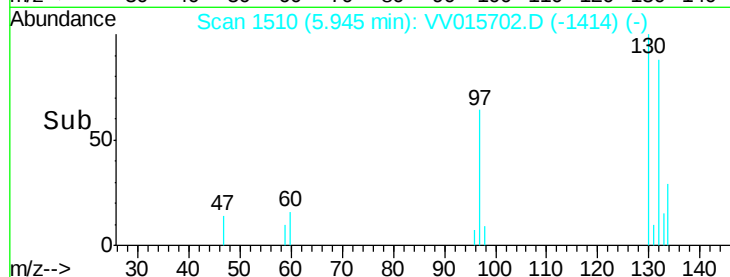
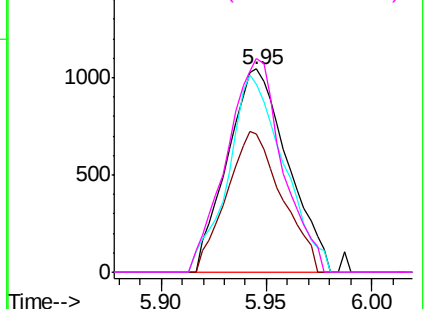


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#37

1,2-Dichloropropane

Concen: 0.613 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV015702.D

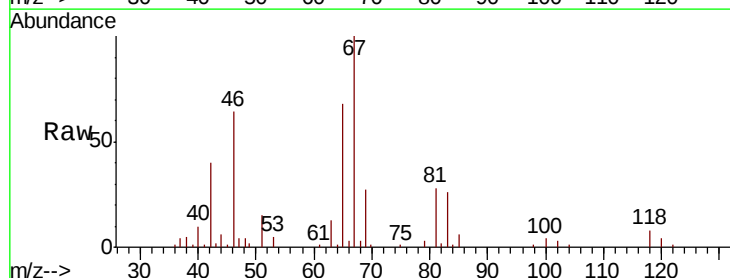
Acq: 25 Apr 2020 18:36

Tgt Ion: 63 Resp: 5476

Ion Ratio Lower Upper

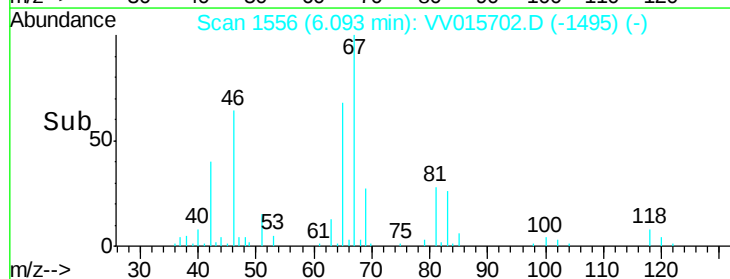
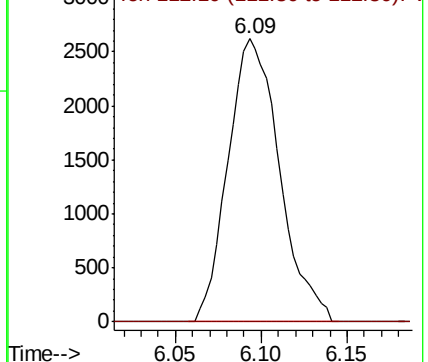
63 100

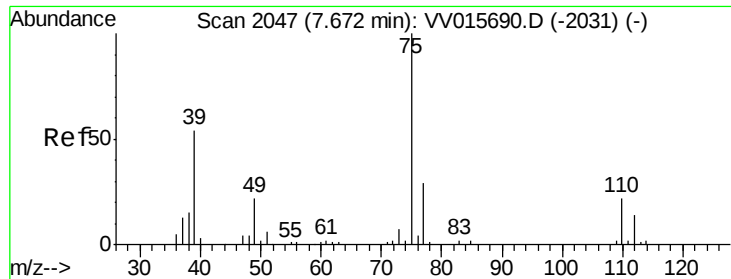
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.059 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV015702.D

Acq: 25 Apr 2020 18:36

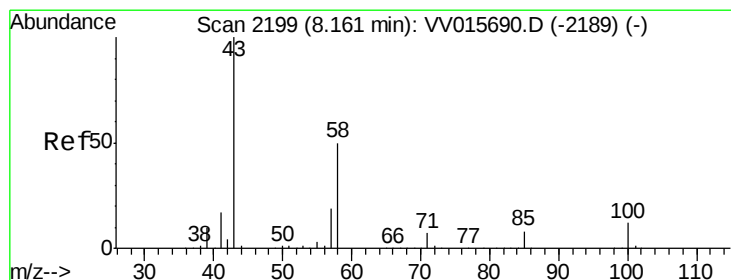
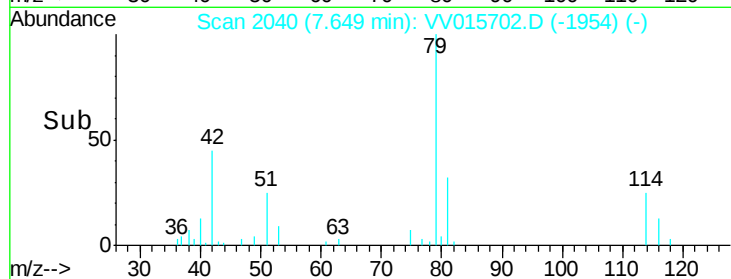
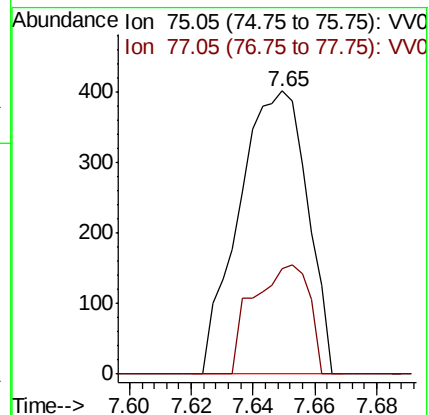
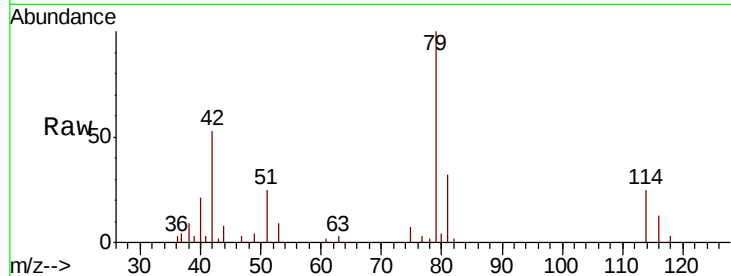
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 616

Ion Ratio Lower Upper

75 100

77 37.4 21.8 40.6



#48

2-Hexanone

Concen: 0.624 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV015702.D

Acq: 25 Apr 2020 18:36

Tgt Ion: 43 Resp: 2580

Ion Ratio Lower Upper

43 100

58 0.0 41.1 61.7#

57 29.5 15.0 22.4#

100 5.2 9.0 13.4#

