

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015751.D
 Acq On : 28 Apr 2020 16:51
 Operator : SY/MD
 Sample : L2421-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 29 00:44:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 00:40:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	121309	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	118421	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	54649	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23973	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.58	69	26468	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.12	63	42846	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	3.92	46	112706	55.37	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.74%
24) Chloroform-d	4.38	84	72843	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.06	65	43402	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.08	84	133302	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.10	67	43991	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.34	98	118899	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.64	79	13270	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.11	63	74885	43.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.94%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32223	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	46611	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	1083	0.113 ug/L #	1
12) 1,1-Dichloroethene	2.13	96	1526	0.216 ug/L #	1
13) Acetone	2.19	43	3624	2.564 ug/L	96
17) Methyl tert-butyl Ether	2.79	73	22837	1.152 ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	5231	0.662 ug/L	96
19) 1,1-Dichloroethane	3.21	63	1754	0.113 ug/L	95
22) cis-1,2-Dichloroethene	3.94	96	472116	54.013 ug/L	98
25) Chloroform	4.41	83	3218	0.195 ug/L	88
27) 1,2-Dichloroethane	5.07	62	866	0.080 ug/L #	78
29) 1,1,1-Trichloroethane	4.63	97	2808	0.187 ug/L #	89
34) Trichloroethene	5.94	95	914491	97.873 ug/L	98
35) Methylcyclohexane	6.10	83	11006	0.767 ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5818	0.677 ug/L #	86
44) trans-1,3-Dichloropropene	7.65	75	769	0.076 ug/L #	38
47) Tetrachloroethene	8.00	164	740	0.110 ug/L	93
48) 2-Hexanone	8.16	43	6651	1.671 ug/L #	79
49) Dibromochloromethane	8.00	129	753	0.124 ug/L #	12

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QLast Update : Wed Apr 29 00:40:59 2020
Response via : Initial Calibration

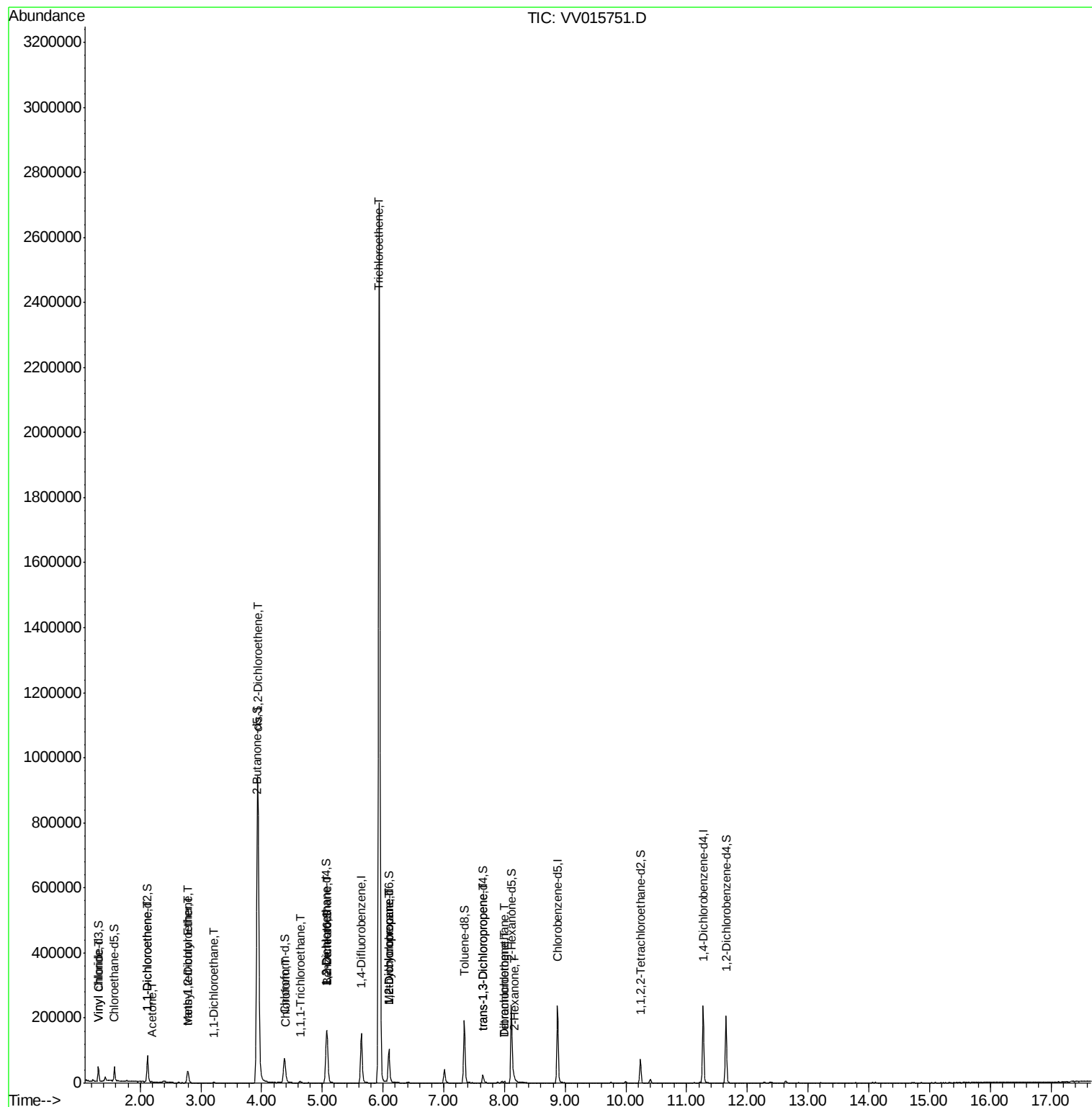
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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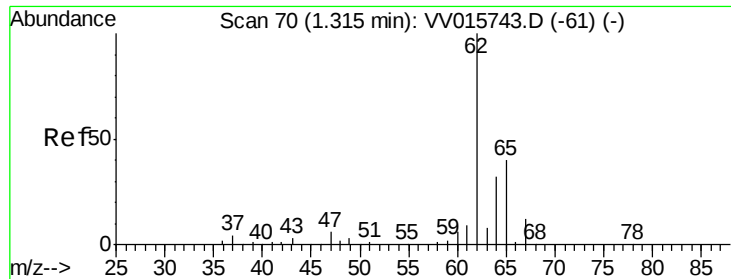
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV042820\
Data File : VV015751.D
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QLast Update : Wed Apr 29 00:40:59 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.113 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

Instrument :

MSVOA_V

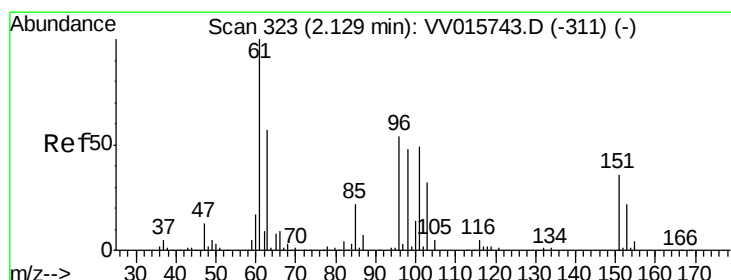
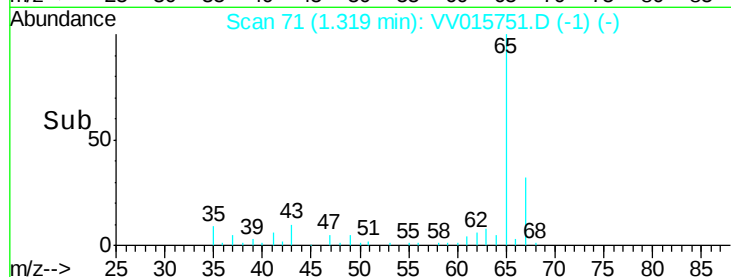
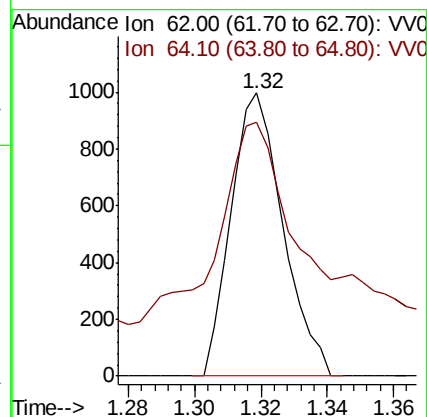
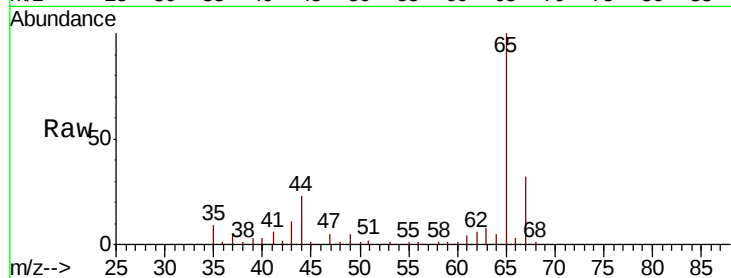
ClientSampled :

Tot Ion: 62 Resp: 1083

Ion Ratio Lower Upper

62 100

64 89.6 22.7 42.1#



#12

1,1-Dichloroethene

Concen: 0.216 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

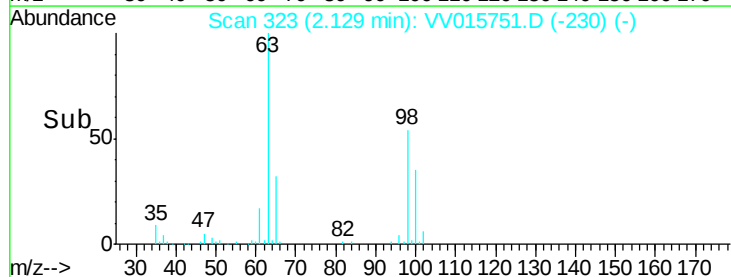
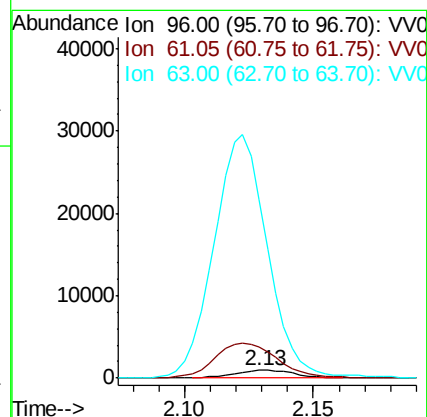
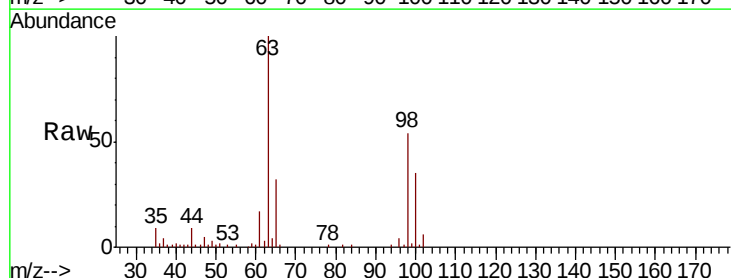
Tgt Ion: 96 Resp: 1526

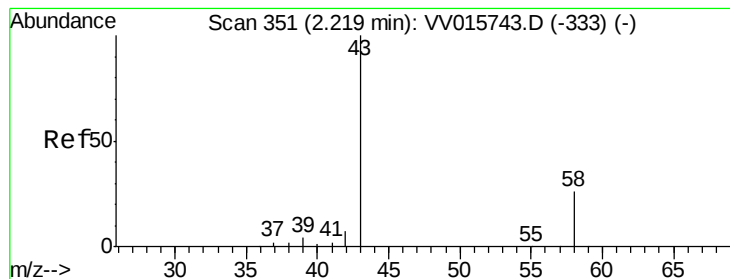
Ion Ratio Lower Upper

96 100

61 391.4 130.1 241.7#

63 2259.2 91.4 169.8#





#13

Acetone

Concen: 2.564 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

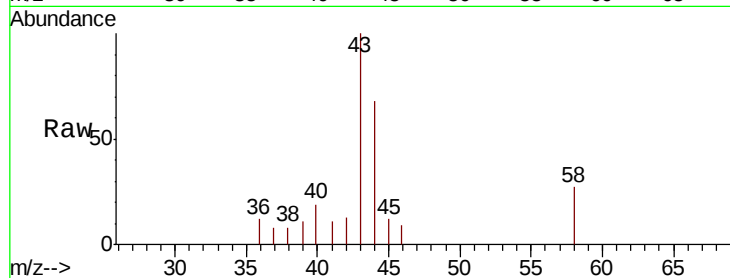
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3624

Ion Ratio Lower Upper

43 100

58 26.4 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015751.D (-258) (-)

Ion 58.05 (57.75 to 58.75): VV015751.D (-258) (-)

1500

1000

500

0

2.19

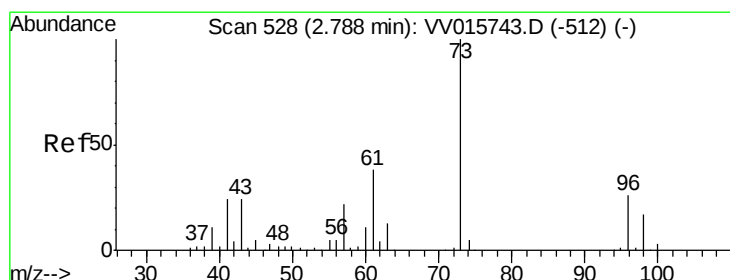
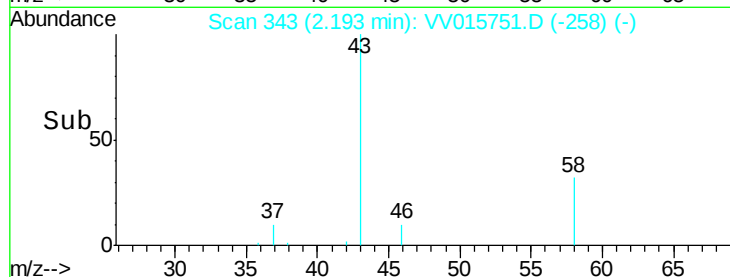
2.15

2.20

2.25

2.30

Time-->



#17

Methyl tert-butyl Ether

Concen: 1.152 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

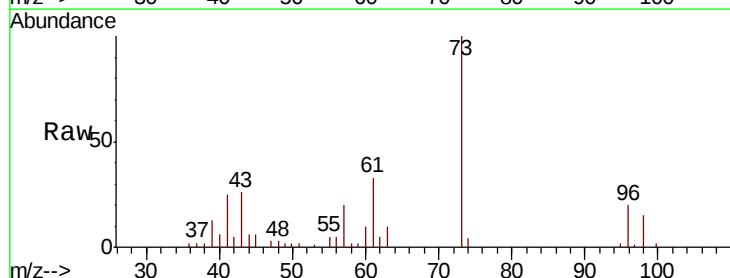
Tgt Ion: 73 Resp: 22837

Ion Ratio Lower Upper

73 100

43 27.5 20.1 30.1

57 21.0 17.8 26.8



Abundance Ion 73.10 (72.80 to 73.80): VV015751.D (-435) (-)

Ion 43.05 (42.75 to 43.75): VV015751.D (-435) (-)

Ion 57.10 (56.80 to 57.80): VV015751.D (-435) (-)

15000

10000

5000

0

2.79

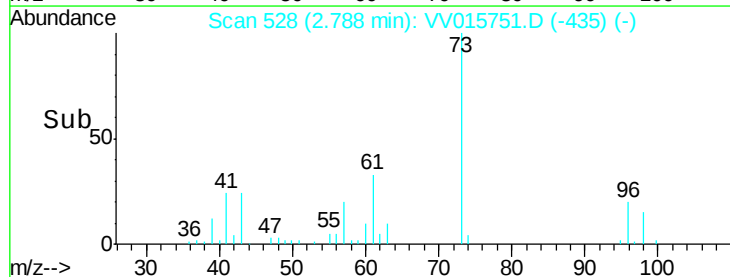
2.75

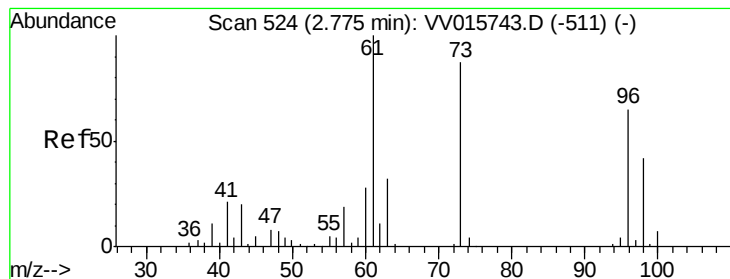
2.80

2.85

2.90

Time-->





#18

trans-1,2-Dichloroethene

Concen: 0.662 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

Instrument :
MSVOA_V
ClientSampled :

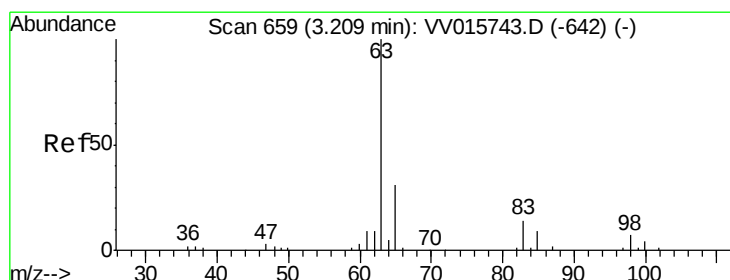
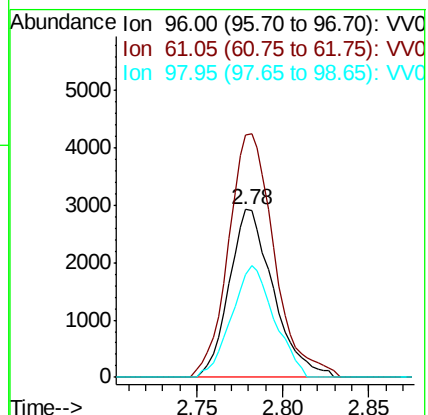
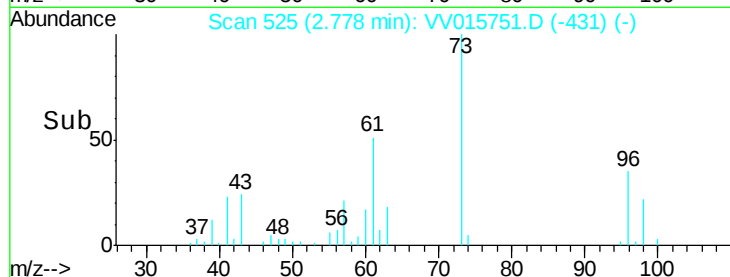
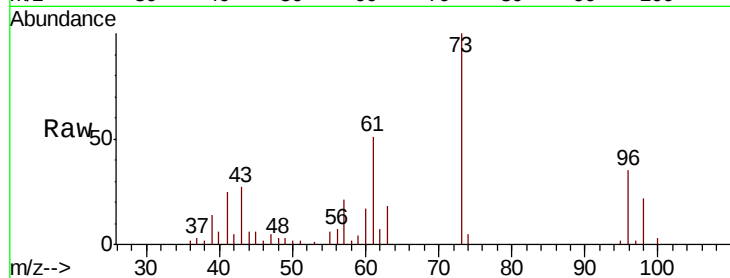
Tot Ion: 96 Resp: 5231

Ion Ratio Lower Upper

96 100

61 144.6 105.5 195.9

98 61.7 44.2 82.0



#19

1,1-Dichloroethane

Concen: 0.113 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

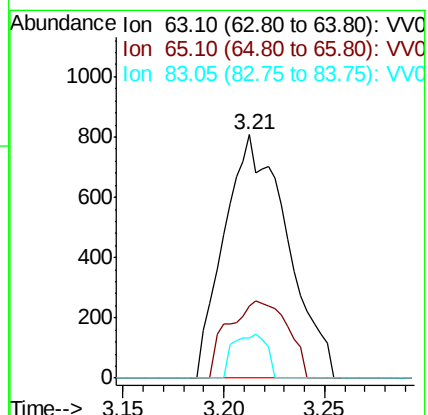
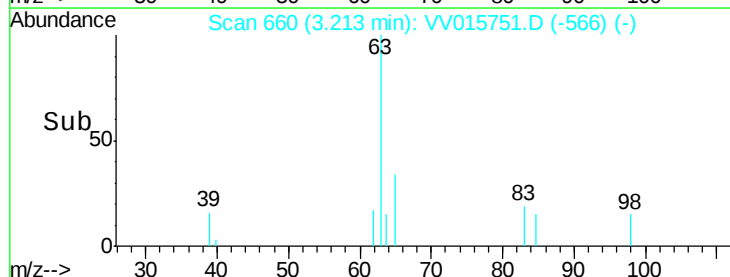
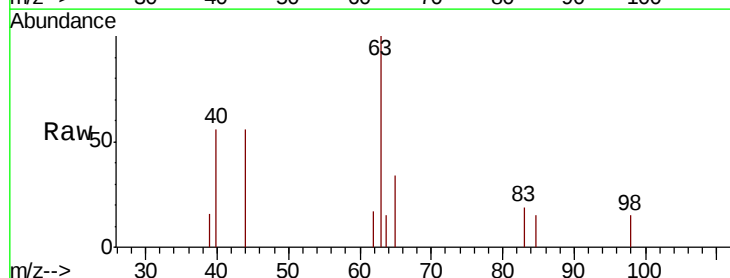
Tgt Ion: 63 Resp: 1754

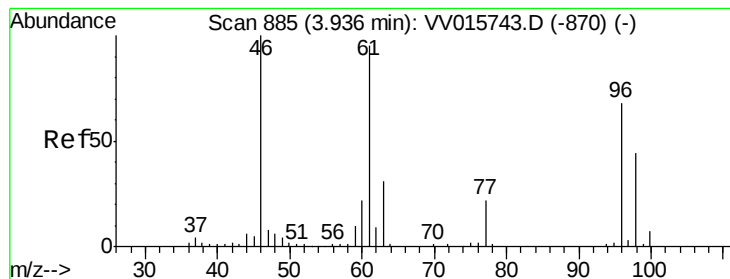
Ion Ratio Lower Upper

63 100

65 29.6 22.3 41.3

83 16.5 9.3 17.3



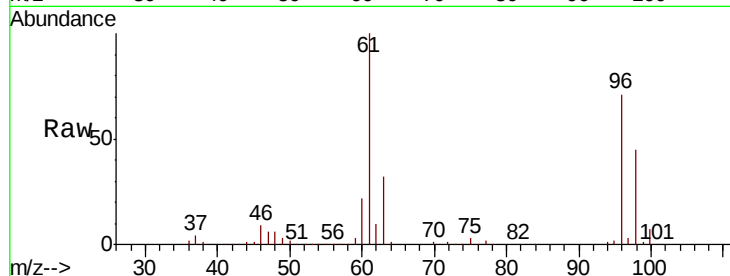


#22

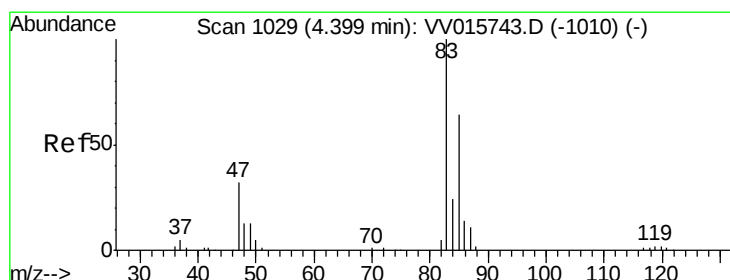
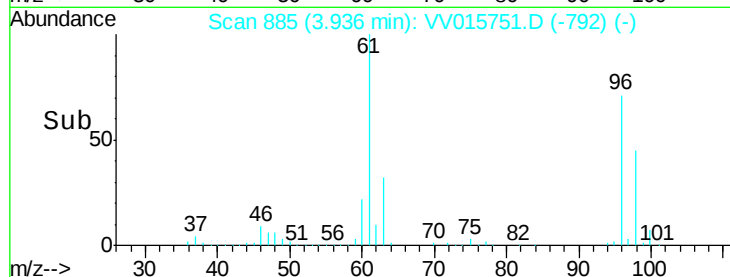
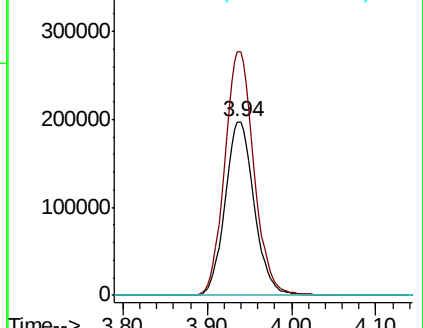
cis-1,2-Dichloroethene
 Concen: 54.013 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 472116
 Ion Ratio Lower Upper
 96 100
 61 140.5 96.4 179.0
 68 0.0 0.0 0.0



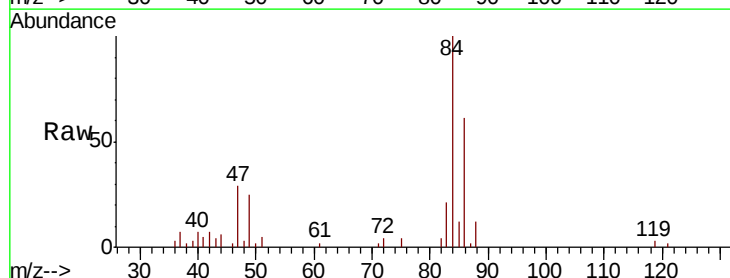
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



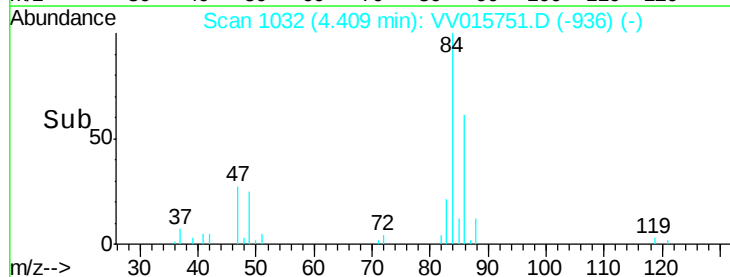
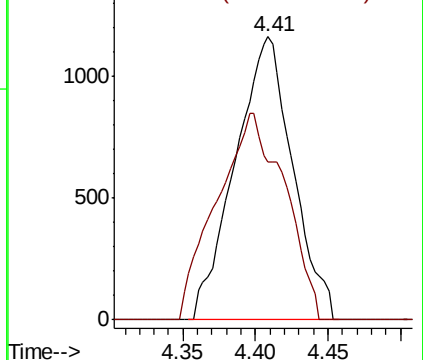
#25

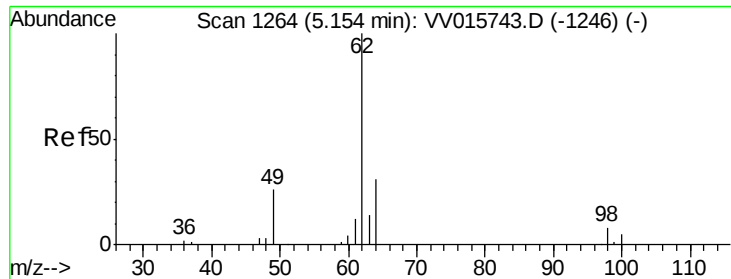
Chloroform
 Concen: 0.195 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

Tgt Ion: 83 Resp: 3218
 Ion Ratio Lower Upper
 83 100
 85 56.0 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0

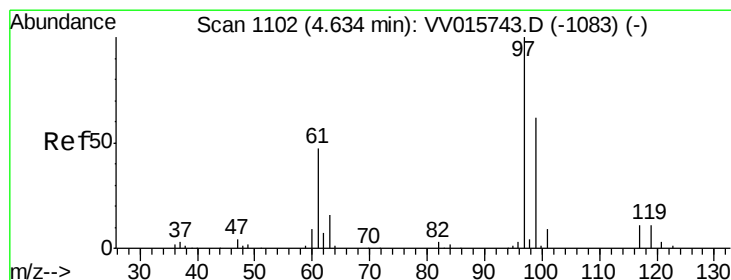
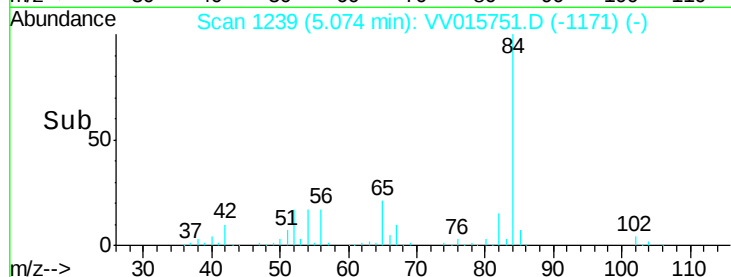
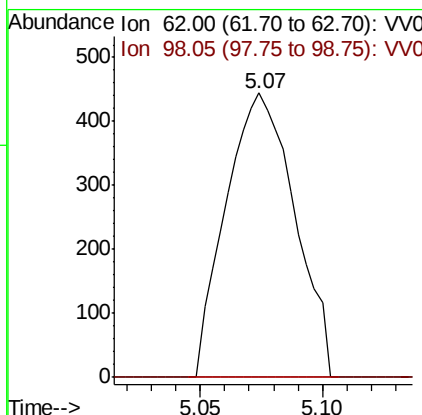
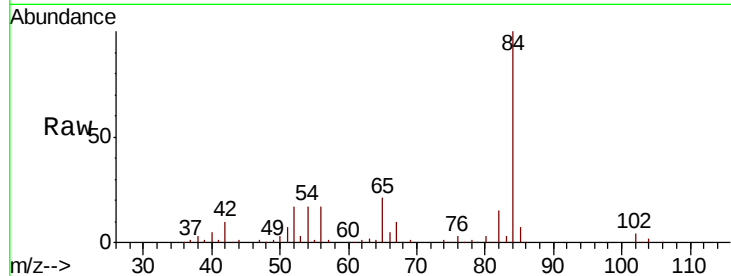




#27
 1,2-Dichloroethane
 Concen: 0.080 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

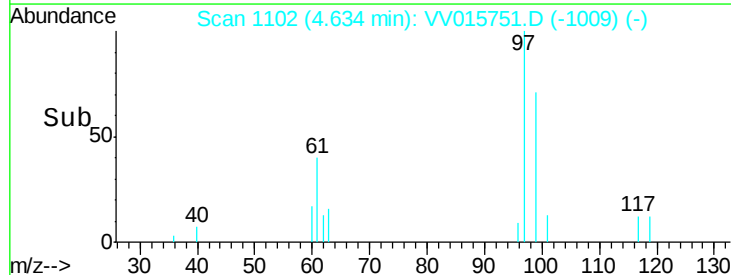
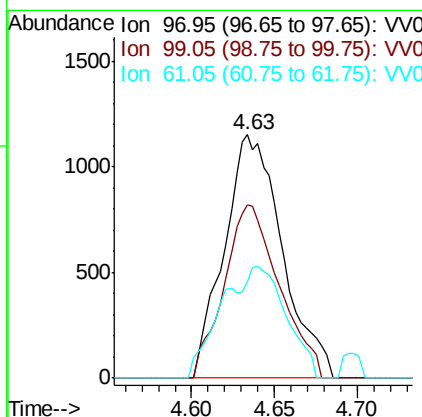
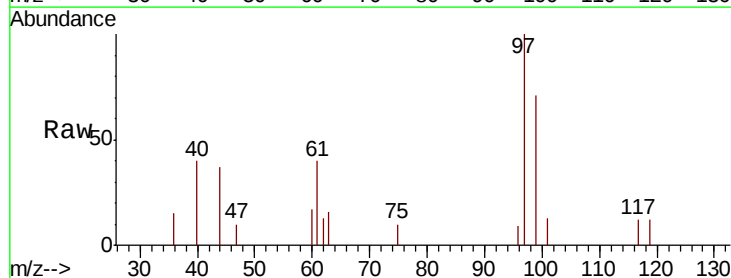
Instrument :
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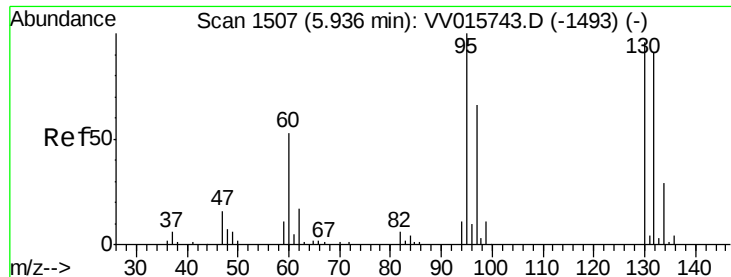
Tot Ion: 62 Resp: 866
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



#29
 1,1,1-Trichloroethane
 Concen: 0.187 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

Tgt Ion: 97 Resp: 2808
 Ion Ratio Lower Upper
 97 100
 99 67.7 51.6 77.4
 61 33.9 38.6 57.8#

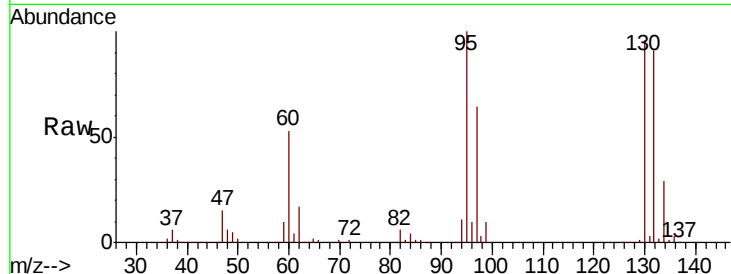




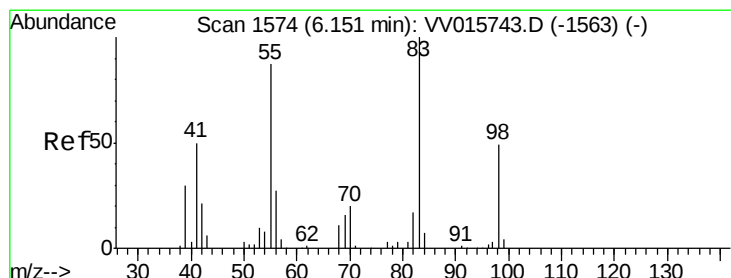
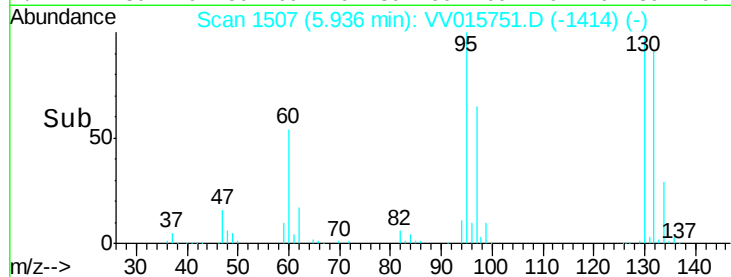
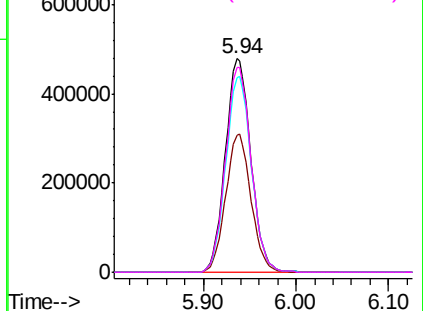
#34
 Trichloroethene
 Concen: 97.873 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 914491
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.7 82.9
 132 90.9 65.2 121.0
 130 96.2 65.0 120.6

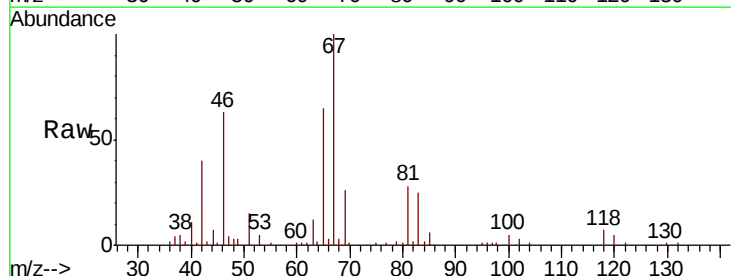


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

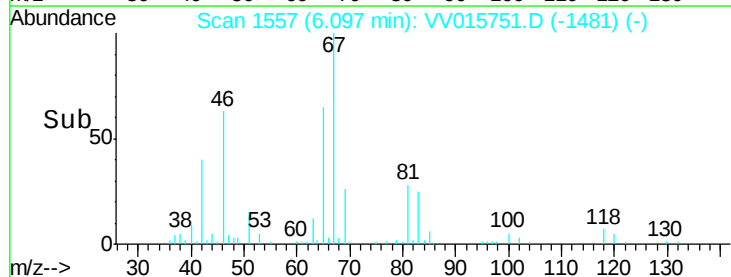
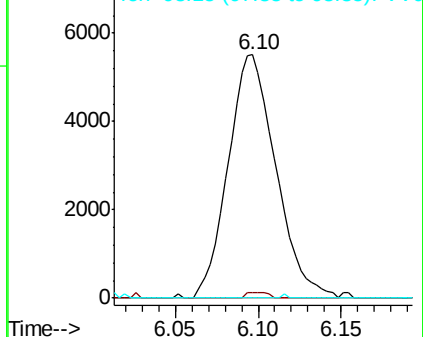


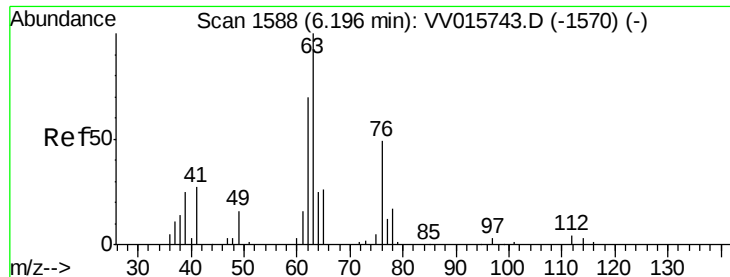
#35
 Methylcyclohexane
 Concen: 0.767 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

Tgt Ion: 83 Resp: 11006
 Ion Ratio Lower Upper
 83 100
 55 1.1 66.6 99.8#
 98 0.0 39.5 59.3#



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

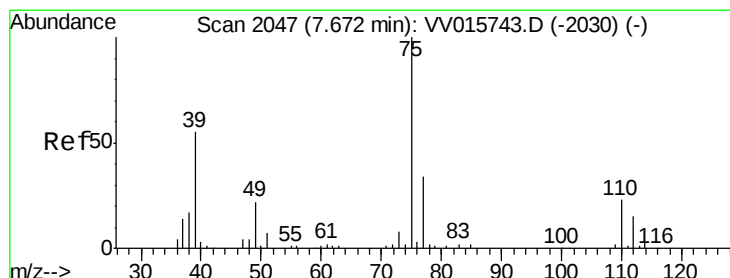
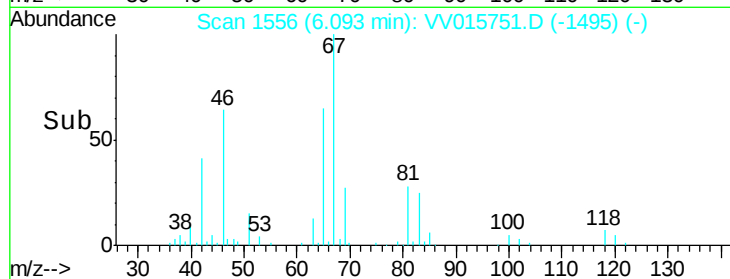
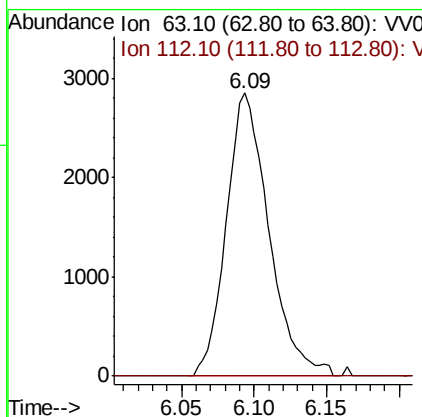
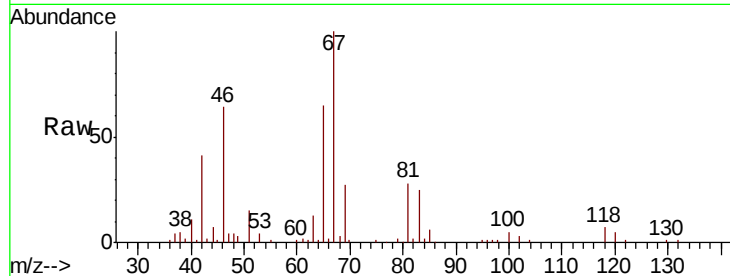




#37
 1,2-Dichloropropane
 Concen: 0.677 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

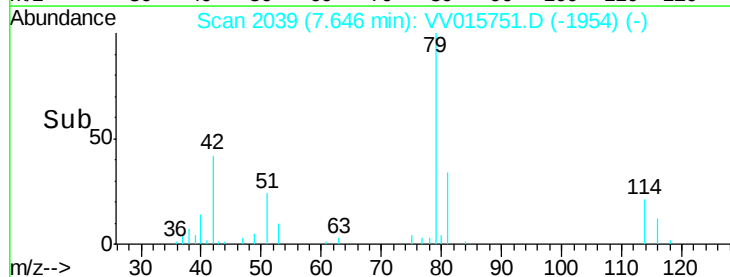
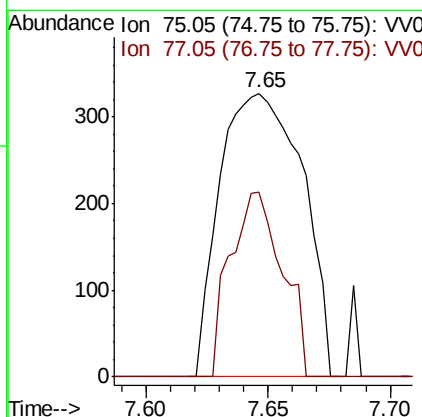
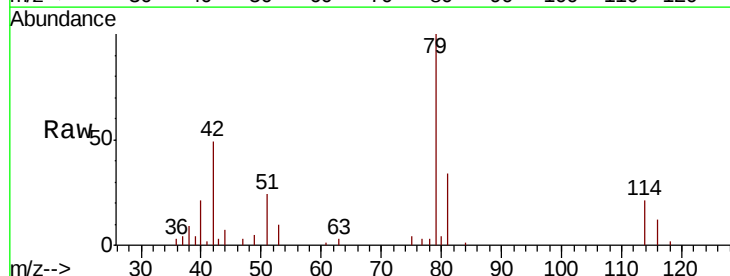
Instrument :
 MSVOA_V
 ClientSampleId :

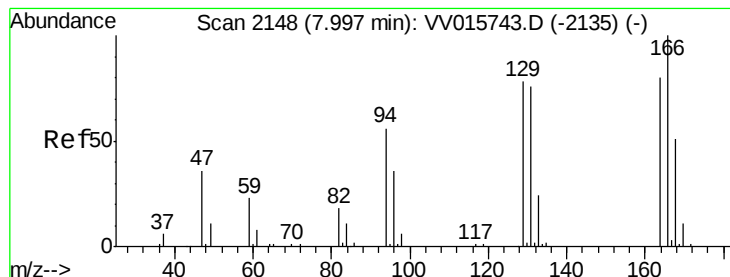
Tot Ion: 63 Resp: 5818
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

Tgt Ion: 75 Resp: 769
 Ion Ratio Lower Upper
 75 100
 77 65.1 21.8 40.6#





#47

Tetrachloroethene

Concen: 0.110 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 740

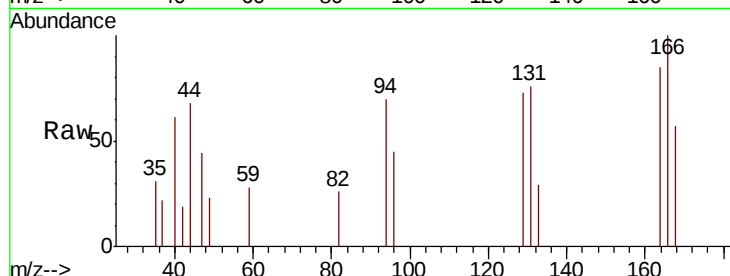
Ion Ratio Lower Upper

164 100

129 85.3 66.7 123.9

131 89.3 66.6 123.6

166 117.3 85.3 158.5

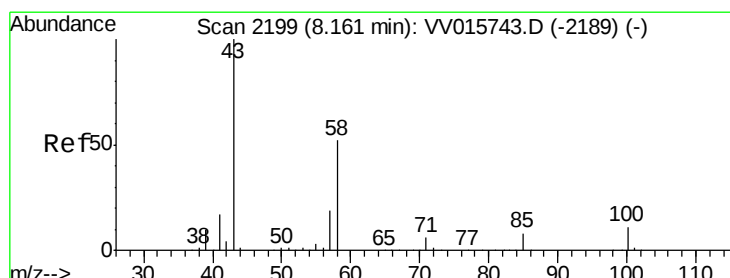
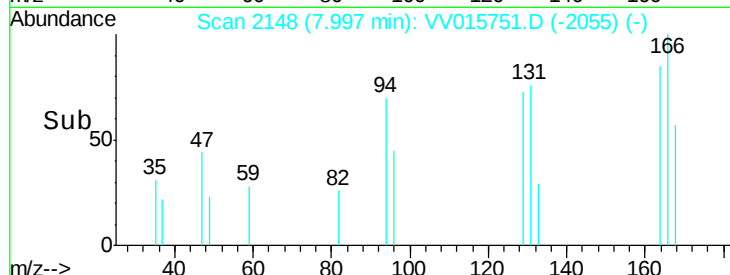
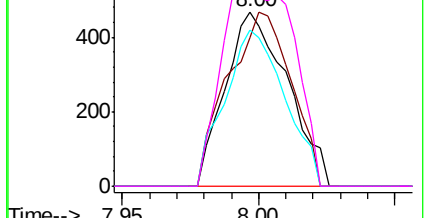


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.671 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

Tgt Ion: 43 Resp: 6651

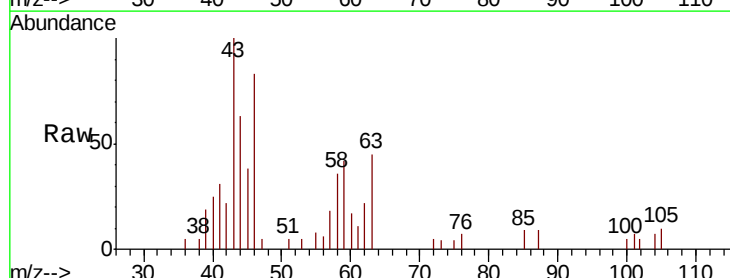
Ion Ratio Lower Upper

43 100

58 39.9 41.1 61.7#

57 1.7 15.0 22.4#

100 6.3 9.0 13.4#

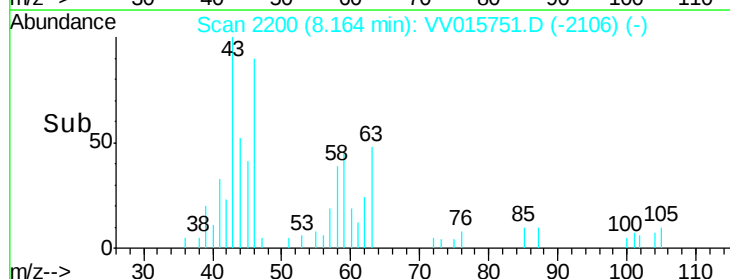
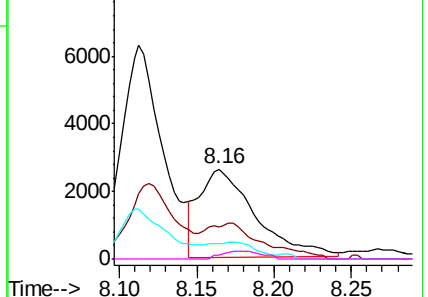


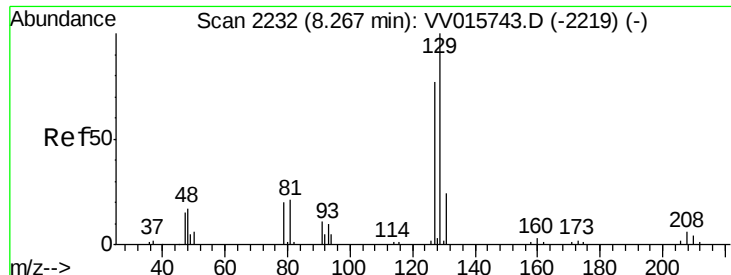
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.124 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

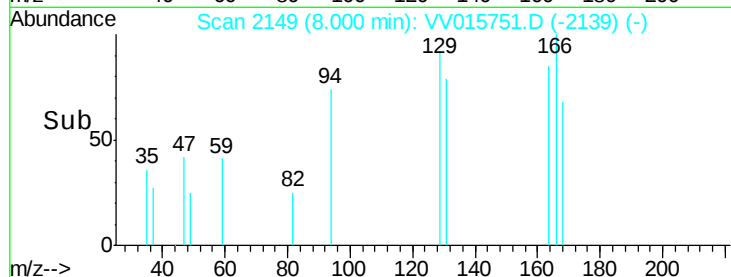
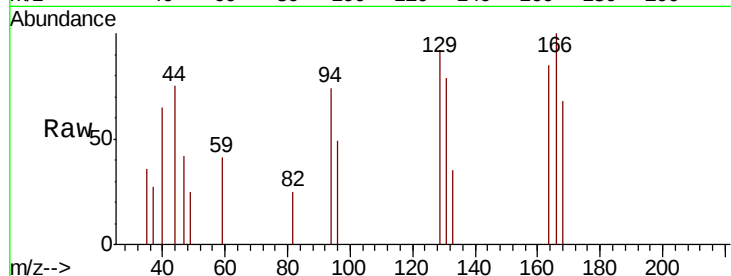
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 753

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

