

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043020\
 Data File : VV015847.D
 Acq On : 30 Apr 2020 20:29
 Operator : SY/MD
 Sample : L2416-09MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 01 01:48:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 01 01:42:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	117076	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	113799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	52342	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34936	5.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.20%
7) Chloroethane-d5	1.58	69	31872	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.12	63	77425	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.60%
20) 2-Butanone-d5	3.94	46	97252	49.50	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.00%
24) Chloroform-d	4.38	84	68208	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.06	65	41755	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.08	84	135350	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.10	67	42867	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.34	98	120887	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.65	79	14126	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.12	63	66732	40.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	29522	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	43817	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	4897	0.529	ug/L 94
8) Chloroethane	1.32	64	1570	0.258	ug/L 84
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	587	0.080	ug/L # 22
12) 1,1-Dichloroethene	2.13	96	43725	6.417	ug/L 94
14) Carbon disulfide	2.31	76	840	0.044	ug/L # 67
22) cis-1,2-Dichloroethene	3.94	96	22760	2.698	ug/L 98
25) Chloroform	4.41	83	4575	0.288	ug/L 94
33) Benzene	5.13	78	206932	6.365	ug/L 100
34) Trichloroethene	5.94	95	53384	5.945	ug/L 99
35) Methylcyclohexane	6.10	83	10517	0.763	ug/L # 17
37) 1,2-Dichloropropane	6.09	63	5444	0.659	ug/L # 86
39) cis-1,3-Dichloropropene	7.01	75	1279	0.111	ug/L # 82
42) Toluene	7.41	91	218469	6.289	ug/L 98
44) trans-1,3-Dichloropropene	7.64	75	730	0.075	ug/L # 47
48) 2-Hexanone	8.17	43	3672	0.960	ug/L # 53
51) Chlorobenzene	8.90	112	140115	6.157	ug/L 97
53) m,p-xylene	9.17	106	1302	0.088	ug/L 91

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 01 01:42:43 2020
Response via : Initial Calibration

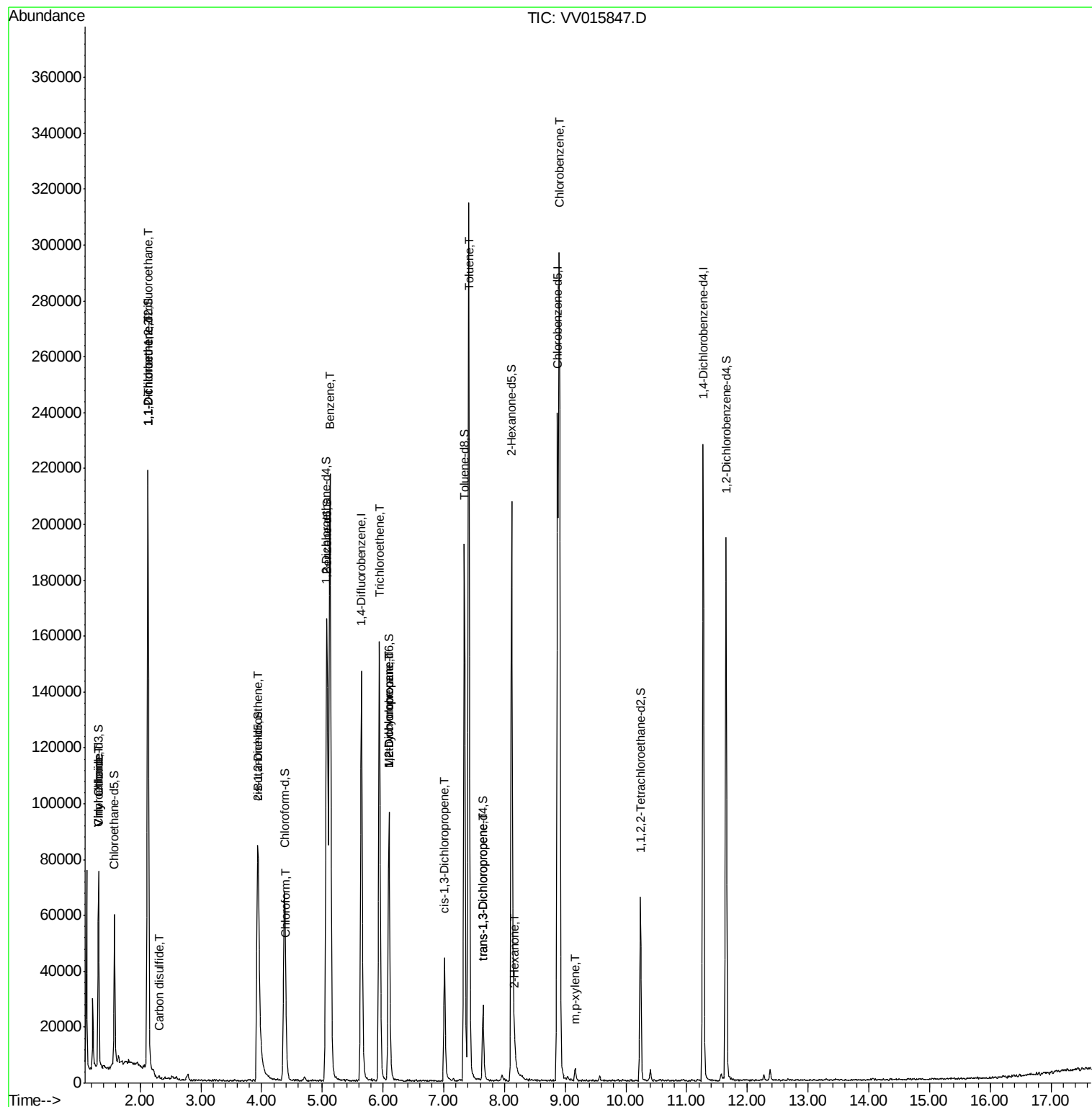
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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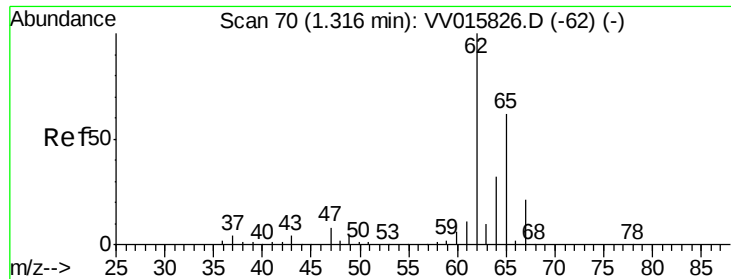
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.529 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015847.D

Acq: 30 Apr 2020 20:29

Instrument :

MSVOA_V

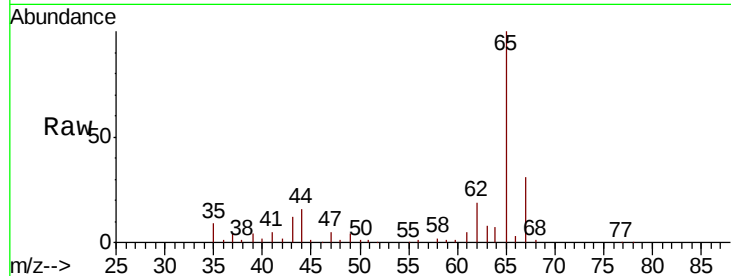
ClientSampled :

Tot Ion: 62 Resp: 4897

Ion Ratio Lower Upper

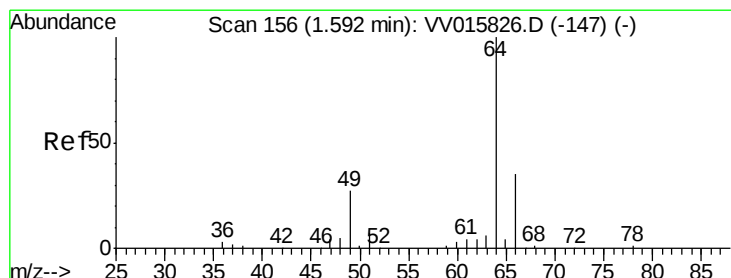
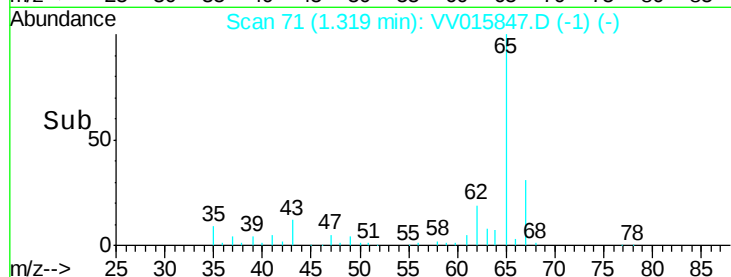
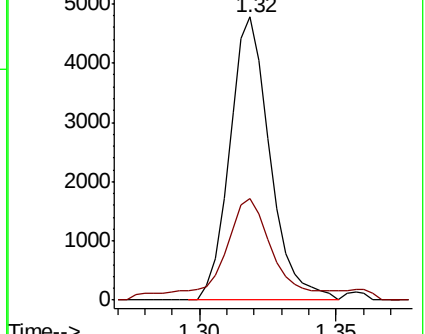
62 100

64 35.8 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: 0.258 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.27 min

Lab File: VV015847.D

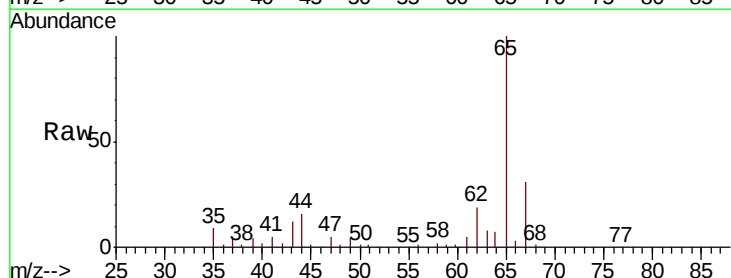
Acq: 30 Apr 2020 20:29

Tgt Ion: 64 Resp: 1570

Ion Ratio Lower Upper

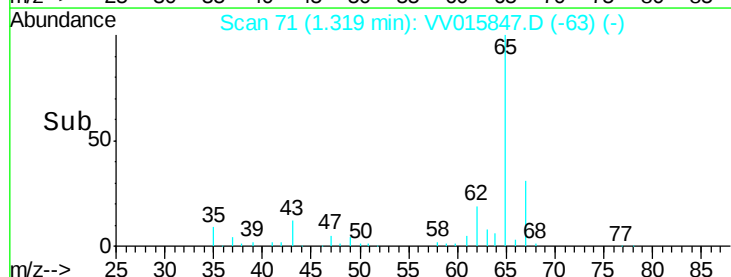
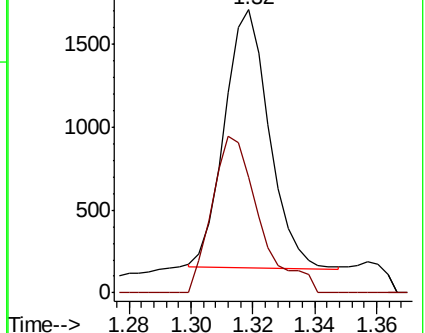
64 100

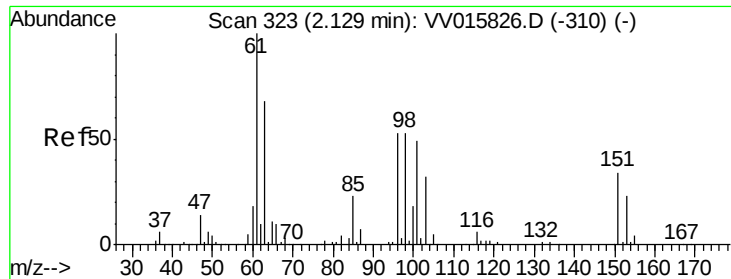
66 40.8 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.080 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015847.D

Acq: 30 Apr 2020 20:29

Instrument :

MSVOA_V

ClientSampleId :

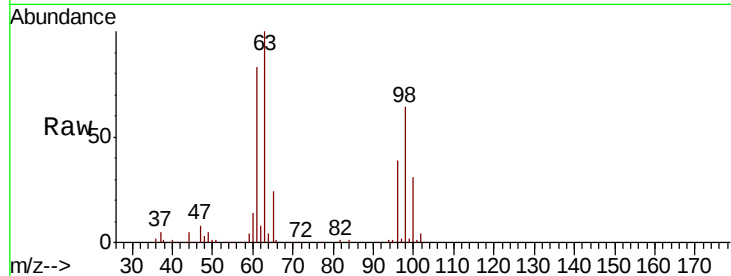
Tot Ion:101 Resp: 587

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 55.2 82.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.12

400

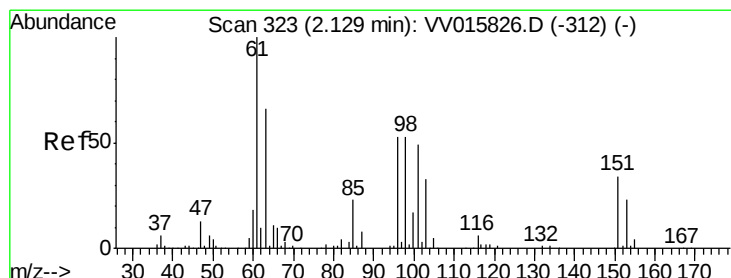
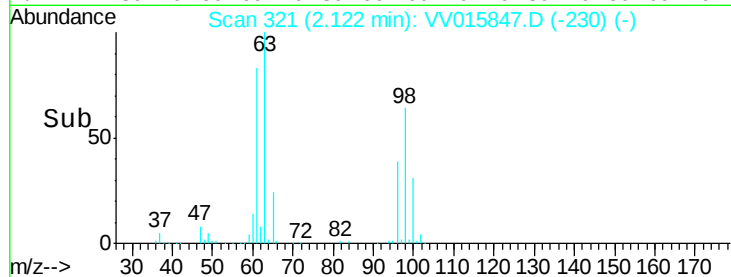
300

200

100

0

Time-->



#12

1,1-Dichloroethene

Concen: 6.417 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015847.D

Acq: 30 Apr 2020 20:29

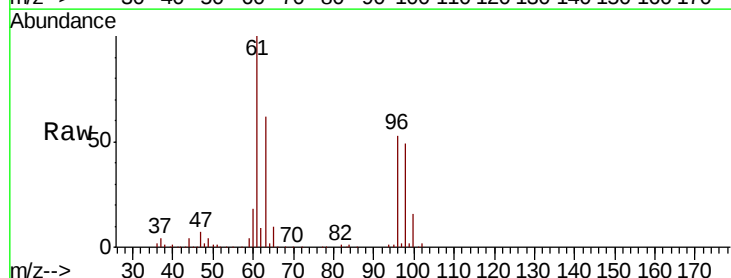
Tgt Ion: 96 Resp: 43725

Ion Ratio Lower Upper

96 100

61 188.8 130.1 241.7

63 116.2 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

2.13

80000

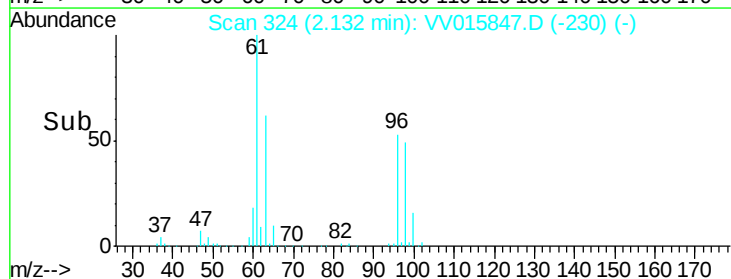
60000

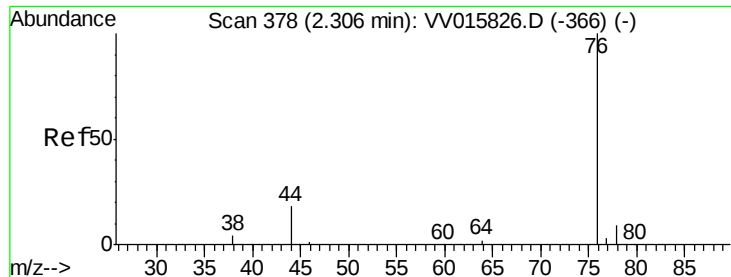
40000

20000

0

Time-->

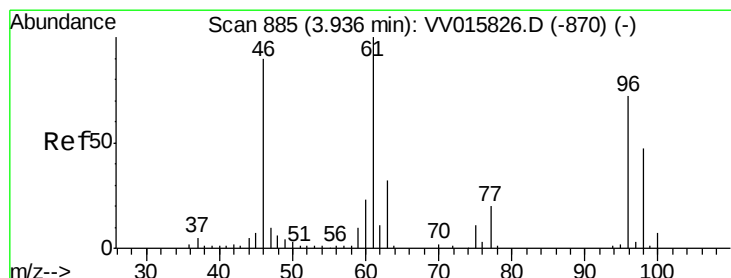
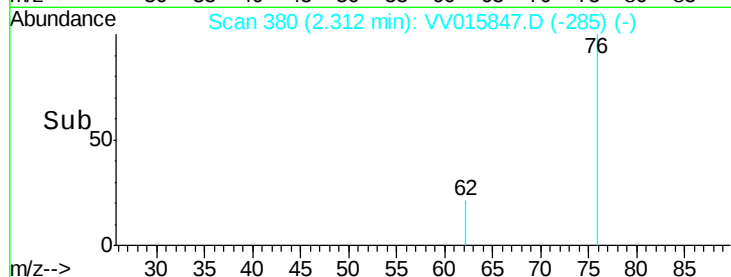
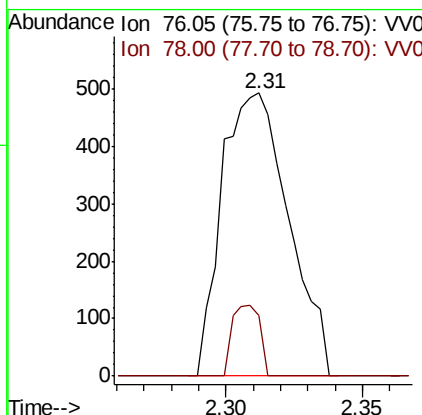
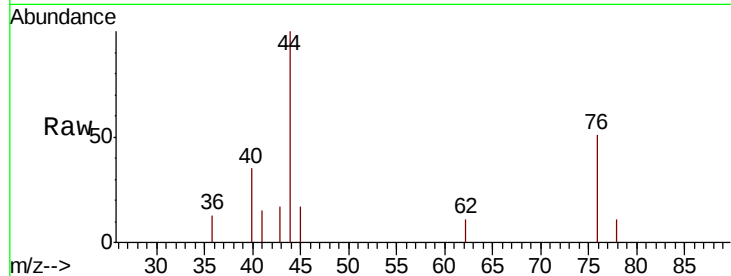




#14
Carbon disulfide
Concen: 0.044 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.01 min
Lab File: VV015847.D
Acq: 30 Apr 2020 20:29

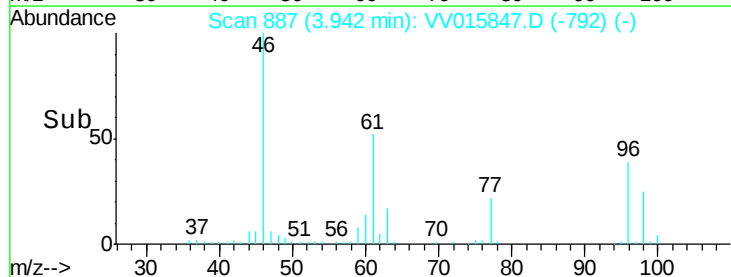
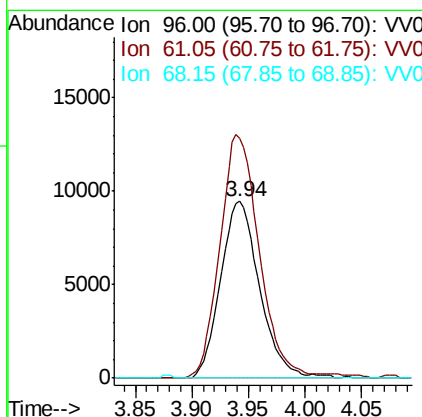
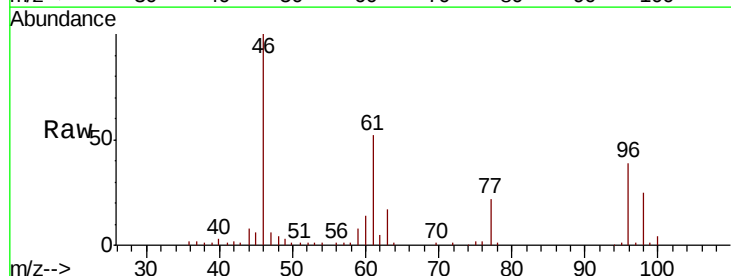
Instrument :
MSVOA_V
ClientSampled :

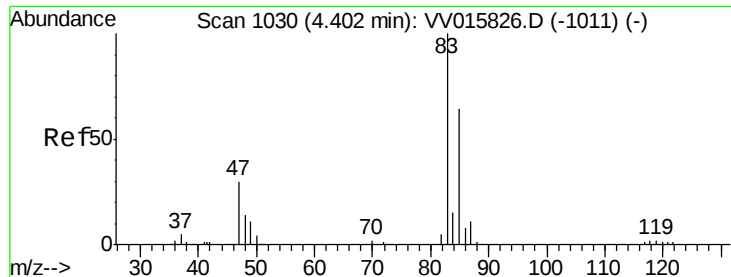
Tot Ion: 76 Resp: 840
Ion Ratio Lower Upper
76 100
78 21.3 7.4 11.0#



#22
cis-1,2-Dichloroethene
Concen: 2.698 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV015847.D
Acq: 30 Apr 2020 20:29

Tgt Ion: 96 Resp: 22760
Ion Ratio Lower Upper
96 100
61 135.8 96.4 179.0
68 0.0 0.0 0.0

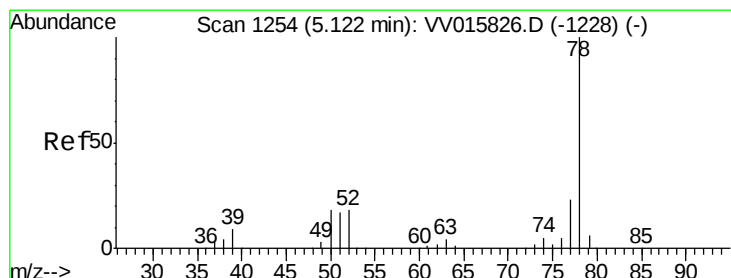
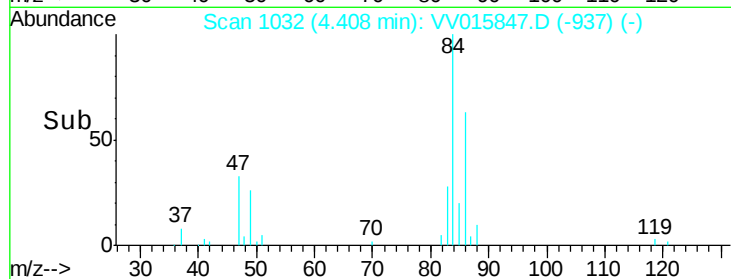
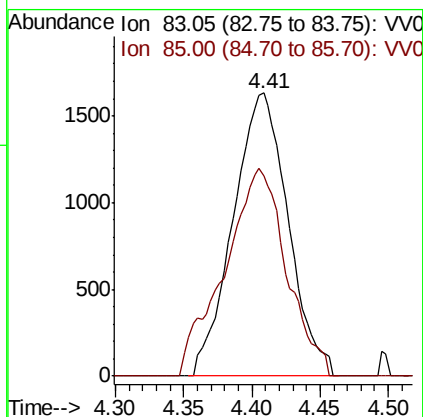
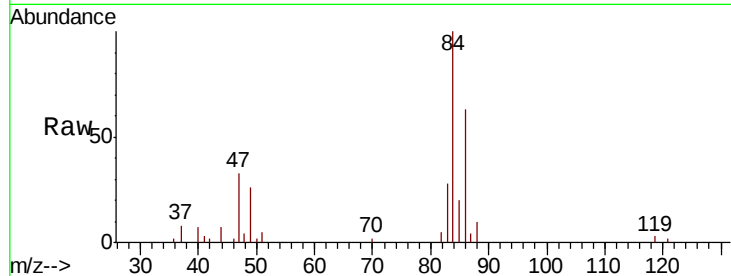




#25
Chloroform
Concen: 0.288 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV015847.D
Acq: 30 Apr 2020 20:29

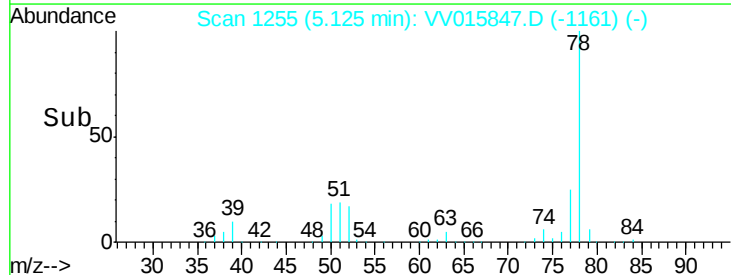
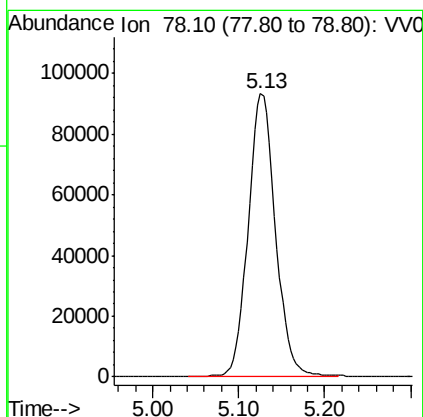
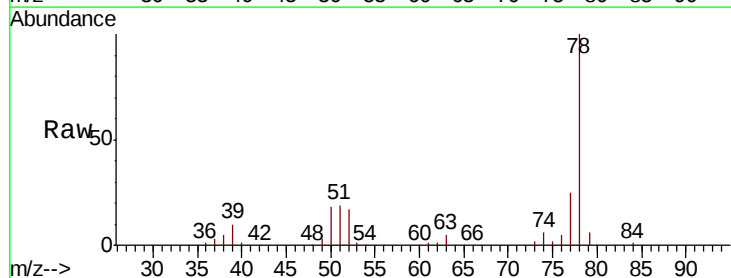
Instrument :
MSVOA_V
ClientSampleId :

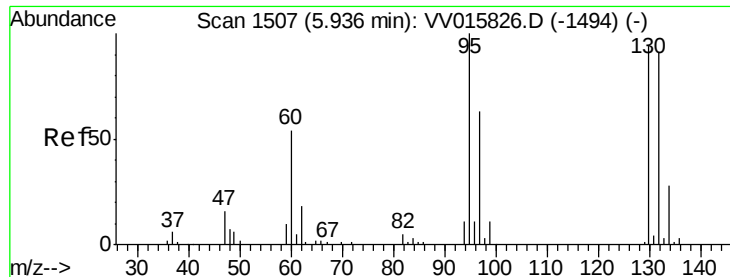
Tot Ion: 83 Resp: 4575
Ion Ratio Lower Upper
83 100
85 70.9 46.1 85.5



#33
Benzene
Concen: 6.365 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015847.D
Acq: 30 Apr 2020 20:29

Tgt Ion: 78 Resp: 206932





#34

Trichloroethene

Concen: 5.945 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015847.D

Acq: 30 Apr 2020 20:29

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 53384

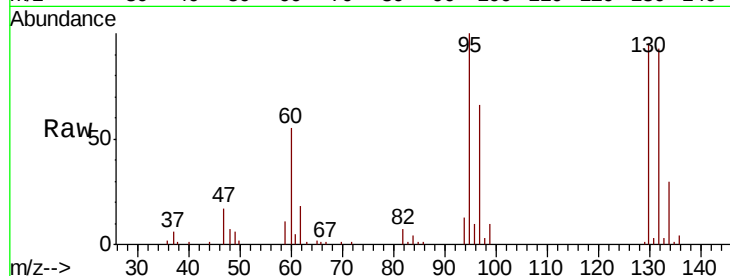
Ion Ratio Lower Upper

95 100

97 65.6 44.7 82.9

132 93.3 65.2 121.0

130 94.6 65.0 120.6

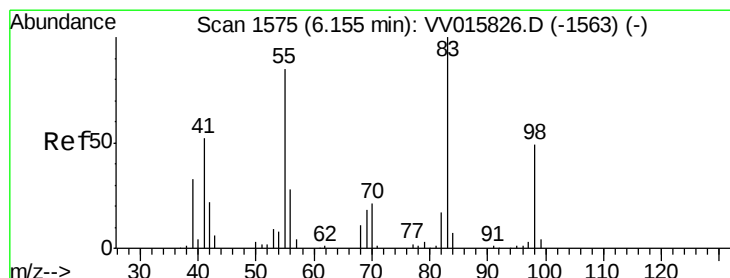
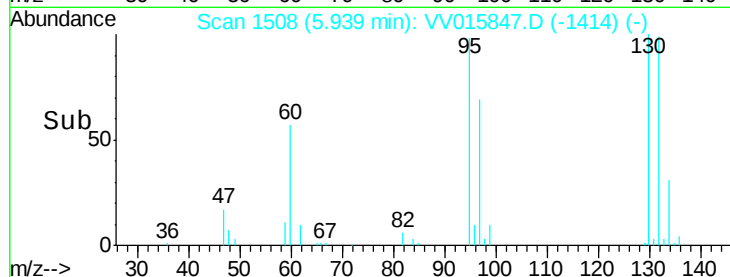
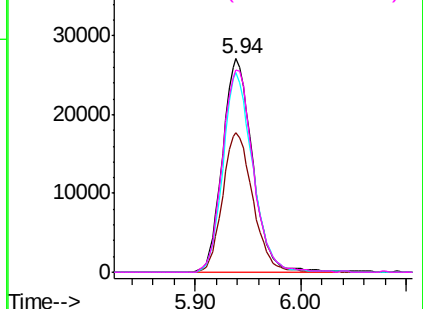


Abundance Ion 95.00 (94.70 to 95.70): VV015826.D (-1494) (-)

Ion 96.95 (96.65 to 97.65): VV015826.D (-1494) (-)

Ion 131.95 (131.65 to 132.65): VV015826.D (-1494) (-)

Ion 129.95 (129.65 to 130.65): VV015826.D (-1494) (-)



#35

Methylcyclohexane

Concen: 0.763 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV015847.D

Acq: 30 Apr 2020 20:29

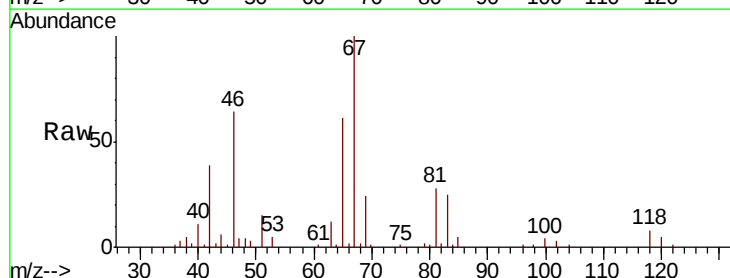
Tgt Ion: 83 Resp: 10517

Ion Ratio Lower Upper

83 100

55 1.5 66.6 99.8#

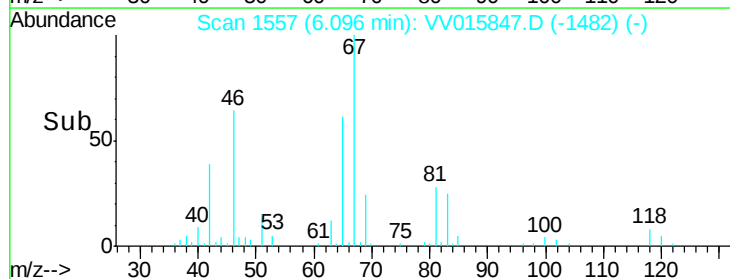
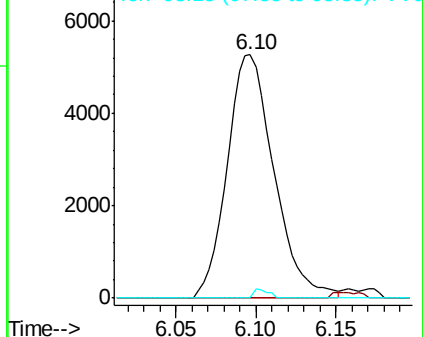
98 1.1 39.5 59.3#

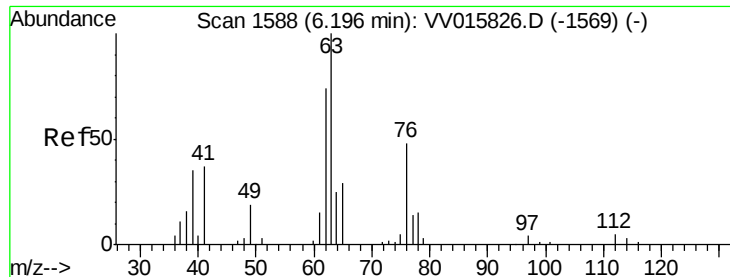


Abundance Ion 83.15 (82.85 to 83.85): VV015826.D (-1563) (-)

Ion 55.10 (54.80 to 55.80): VV015826.D (-1563) (-)

Ion 98.15 (97.85 to 98.85): VV015826.D (-1563) (-)

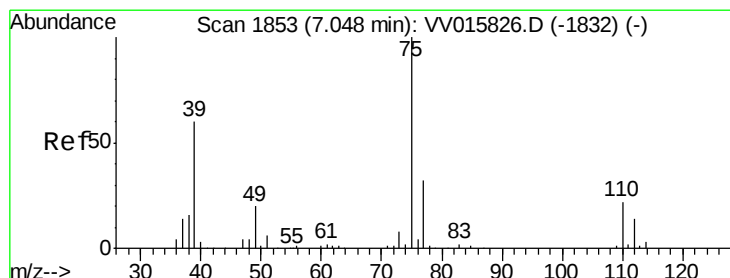
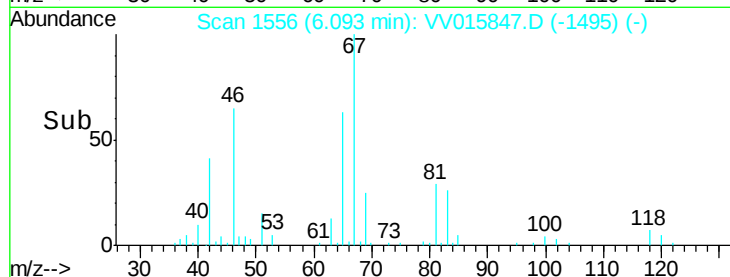
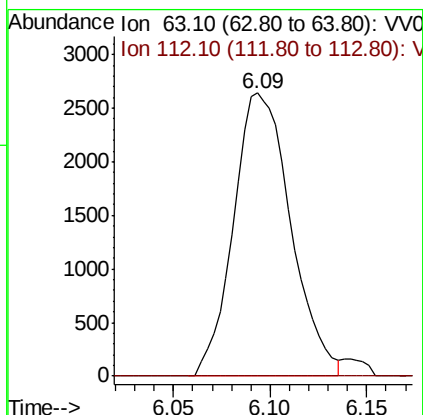
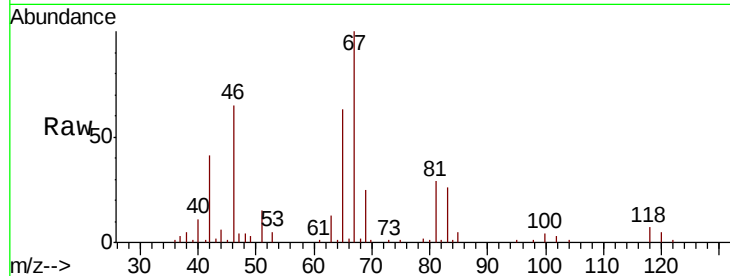




#37
 1,2-Dichloropropane
 Concen: 0.659 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015847.D
 Acq: 30 Apr 2020 20:29

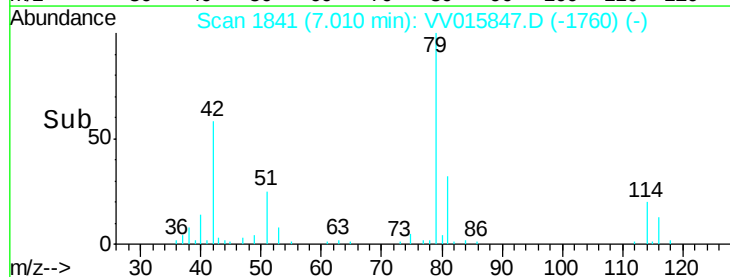
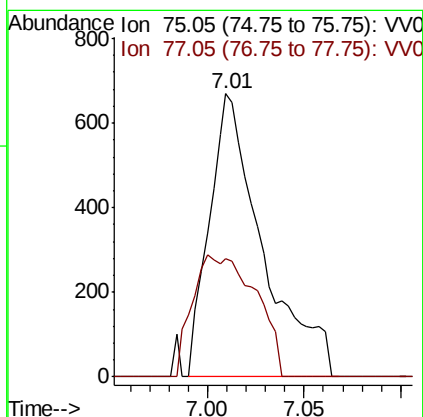
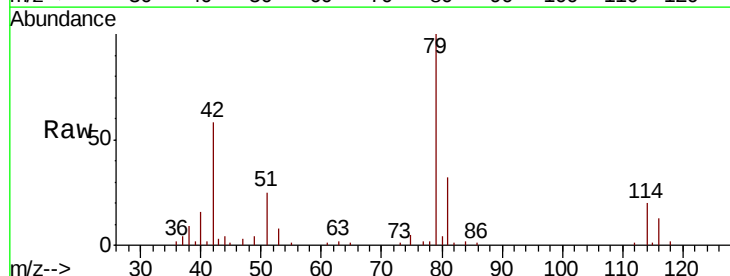
Instrument :
 MSVOA_V
 ClientSampleId :

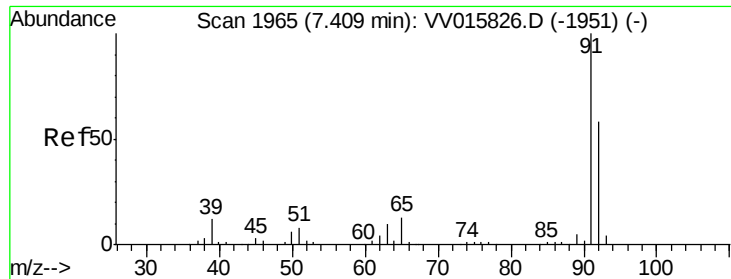
Tot Ion: 63 Resp: 5444
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015847.D
 Acq: 30 Apr 2020 20:29

Tgt Ion: 75 Resp: 1279
 Ion Ratio Lower Upper
 75 100
 77 41.7 22.3 41.5#





#42

Toluene

Concen: 6.289 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015847.D

Acq: 30 Apr 2020 20:29

Instrument :

MSVOA_V

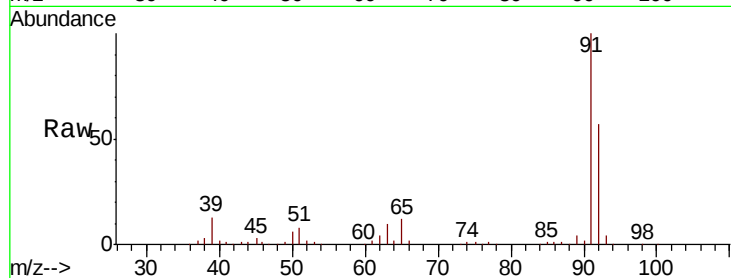
ClientSampled :

Tot Ion: 91 Resp: 218469

Ion Ratio Lower Upper

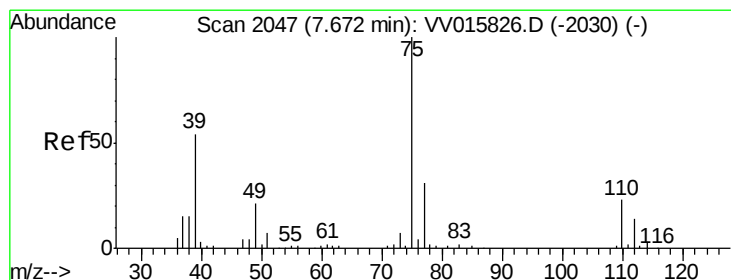
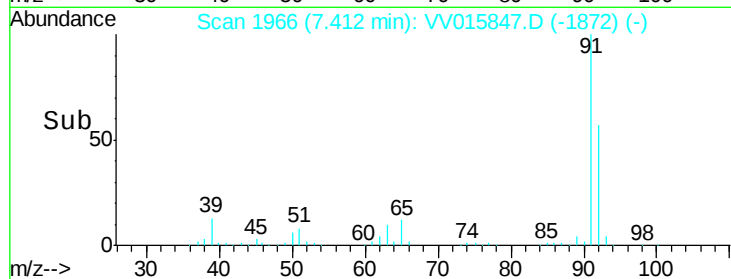
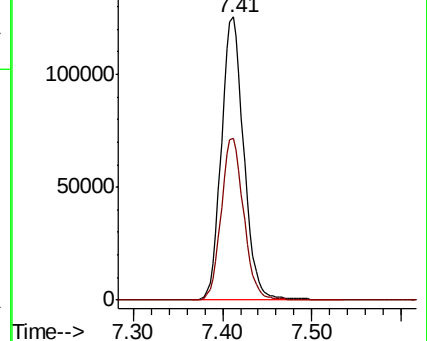
91 100

92 57.0 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015847.D

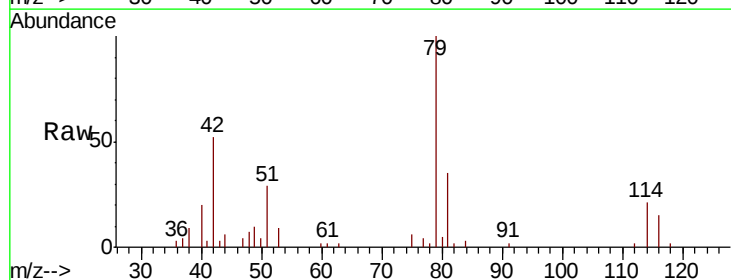
Acq: 30 Apr 2020 20:29

Tgt Ion: 75 Resp: 730

Ion Ratio Lower Upper

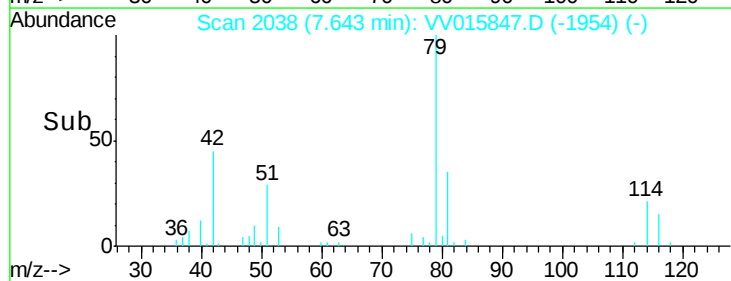
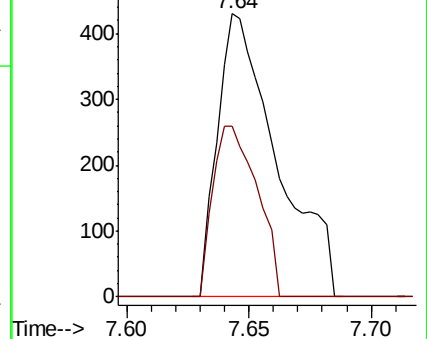
75 100

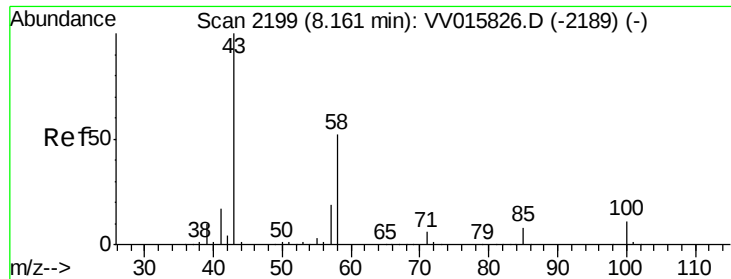
77 60.2 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

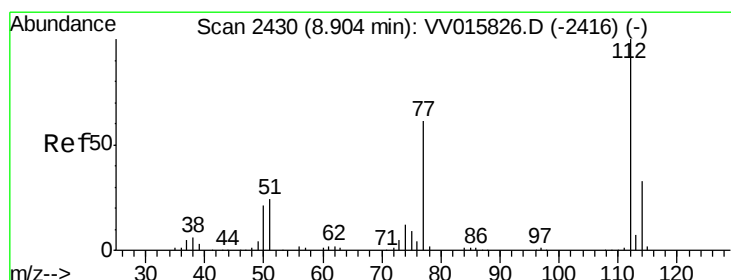
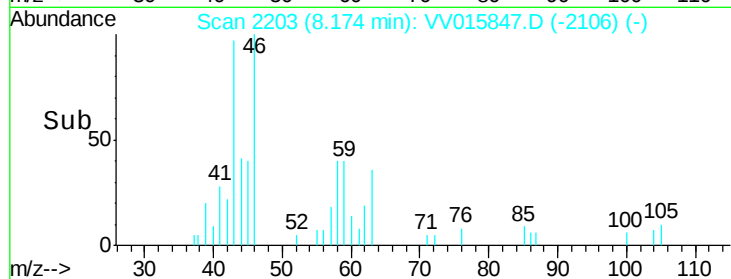
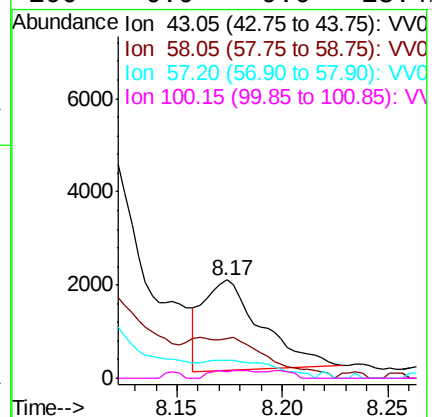
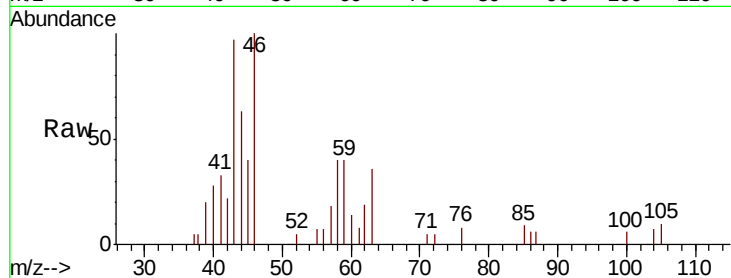




#48
2-Hexanone
Concen: 0.960 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV015847.D
Acq: 30 Apr 2020 20:29

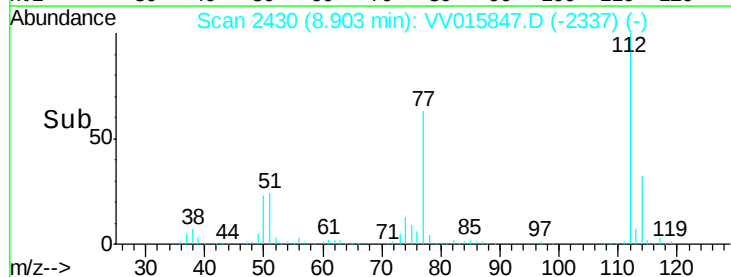
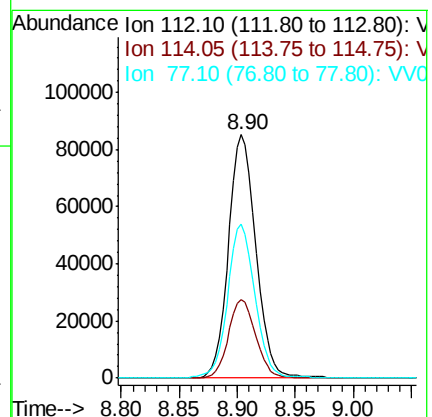
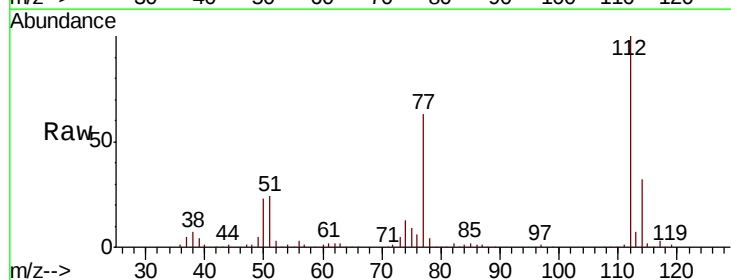
Instrument :
MSVOA_V
ClientSampleId :

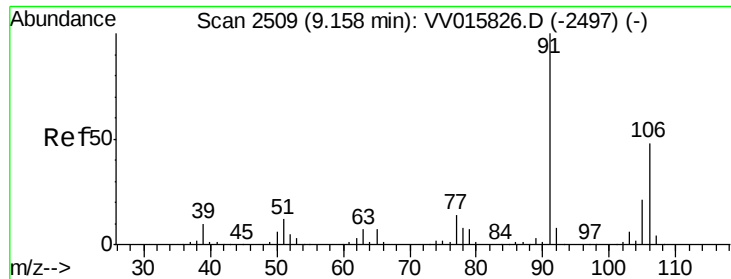
Tot Ion: 43 Resp: 3672
Ion Ratio Lower Upper
43 100
58 3.8 41.1 61.7#
57 23.6 15.0 22.4#
100 6.9 9.0 13.4#



#51
Chlorobenzene
Concen: 6.157 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015847.D
Acq: 30 Apr 2020 20:29

Tgt Ion: 112 Resp: 140115
Ion Ratio Lower Upper
112 100
114 32.5 21.6 40.2
77 63.3 48.9 73.3





#53

m,p-xylene

Concen: 0.088 ug/L

RT: 9.17 min Scan# 2512

Delta R.T. 0.01 min

Lab File: VV015847.D

Acq: 30 Apr 2020 20:29

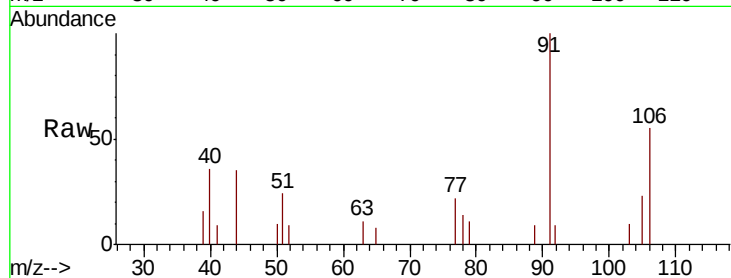
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 1302

Ion Ratio Lower Upper

106 100

91 196.9 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

