

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\
 Data File : VV015676.D
 Acq On : 24 Apr 2020 16:07
 Operator : SY/MD
 Sample : L2370-15
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 25 00:19:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 25 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	119443	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	115238	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	56227	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	31536	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.58	69	28826	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.12	63	45944	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	3.91	46	103308	51.54	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.08%
24) Chloroform-d	4.38	84	72209	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	43181	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.08	84	135652	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.10	67	43667	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.34	98	123625	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.64	79	14134	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.11	63	81018	48.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.76%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32915	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	48003	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	456568	48.299	ug/L	99
8) Chloroethane	1.32	64	146105	23.534	ug/L #	43
12) 1,1-Dichloroethene	2.13	96	1526	0.220	ug/L #	1
13) Acetone	2.19	43	1561	1.122	ug/L	89
14) Carbon disulfide	2.31	76	1048	0.053	ug/L #	75
15) Methyl Acetate	2.45	43	816	0.247	ug/L #	56
17) Methyl tert-butyl Ether	2.79	73	1667	0.085	ug/L #	34
18) trans-1,2-Dichloroethene	2.78	96	8006	1.029	ug/L	90
22) cis-1,2-Dichloroethene	3.94	96	877830	101.998	ug/L	97
34) Trichloroethene	5.94	95	10858	1.194	ug/L	98
35) Methylcyclohexane	6.09	83	11086	0.794	ug/L #	15
37) 1,2-Dichloropropane	6.09	63	5608	0.670	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1306	0.112	ug/L #	74
44) trans-1,3-Dichloropropene	7.64	75	855	0.087	ug/L	83
47) Tetrachloroethene	8.00	164	7725	1.180	ug/L	93
48) 2-Hexanone	8.11	43	12196	3.149	ug/L #	75
49) Dibromochloromethane	8.00	129	7573	1.283	ug/L #	12

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 25 00:15:39 2020
Response via : Initial Calibration

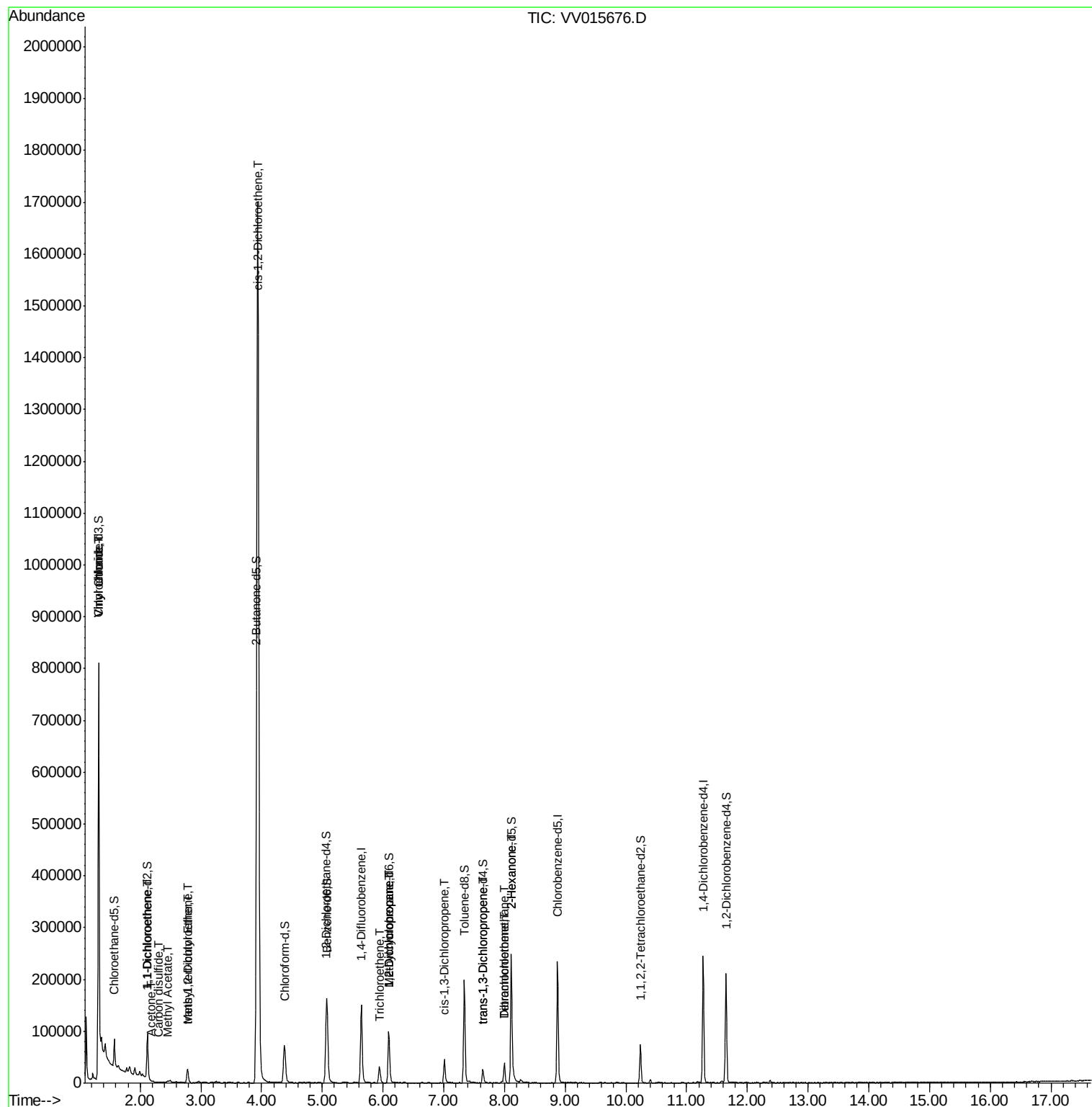
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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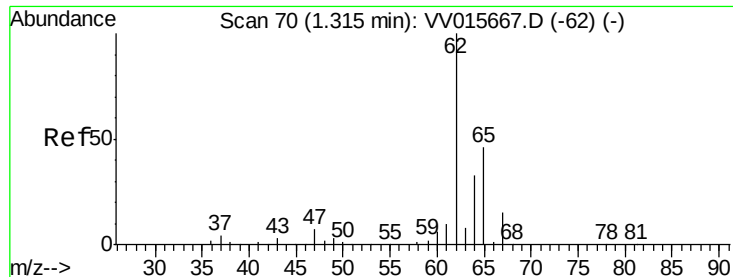
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 48.299 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015676.D

Acq: 24 Apr 2020 16:07

Instrument :

MSVOA_V

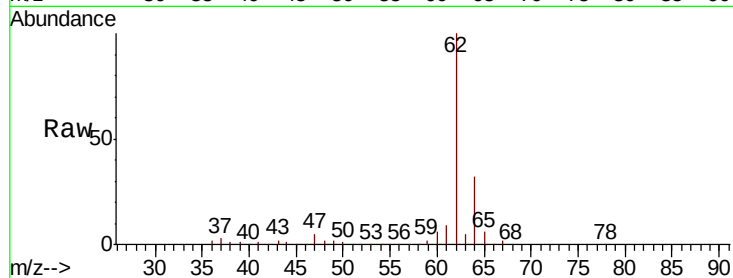
ClientSampleId :

Tot Ion: 62 Resp: 456568

Ion Ratio Lower Upper

62 100

64 32.0 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

400000

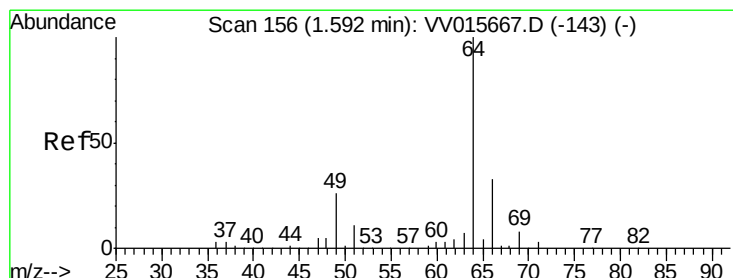
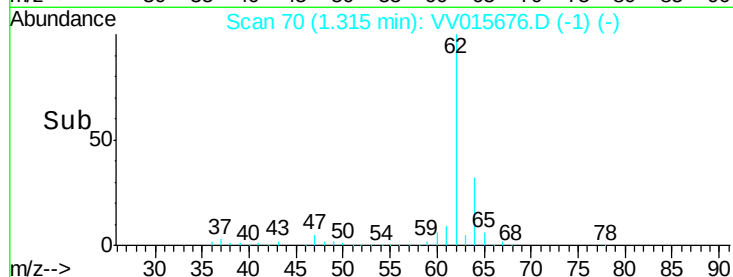
300000

200000

100000

0

Time-->



#8

Chloroethane

Concen: 23.534 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.27 min

Lab File: VV015676.D

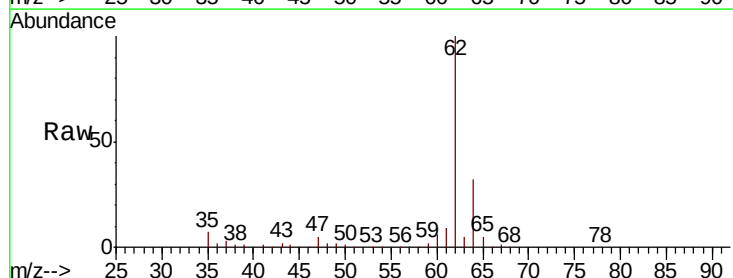
Acq: 24 Apr 2020 16:07

Tgt Ion: 64 Resp: 146105

Ion Ratio Lower Upper

64 100

66 0.4 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.32

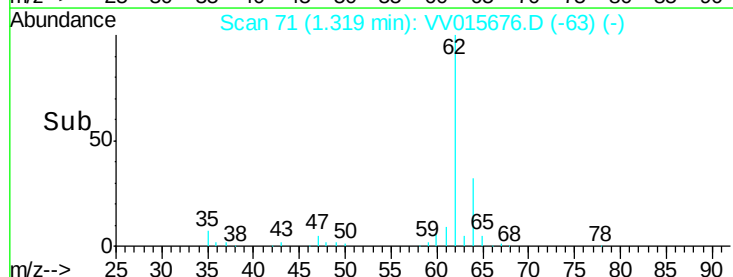
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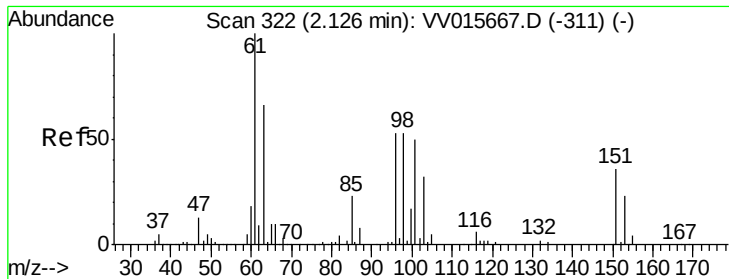
100000

50000

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.220 ug/L

RT: 2.13 min Scan# 324

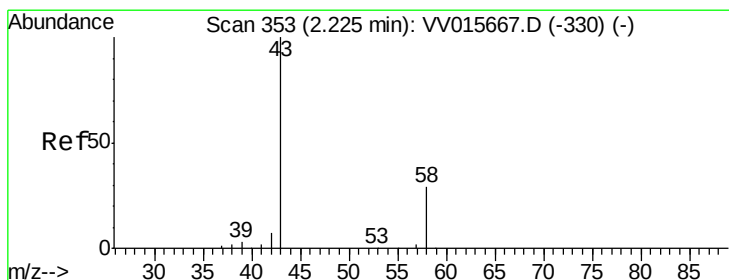
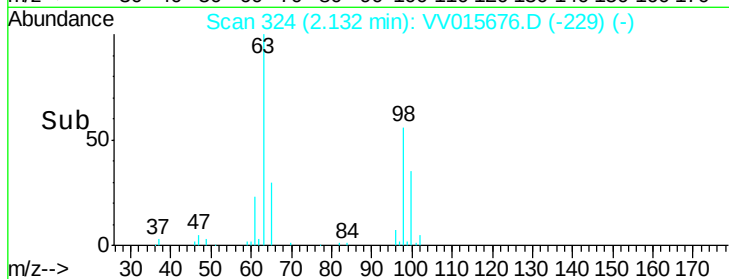
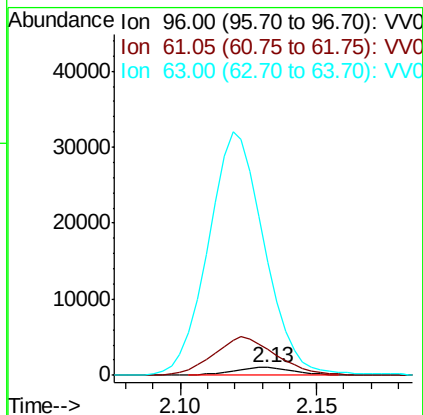
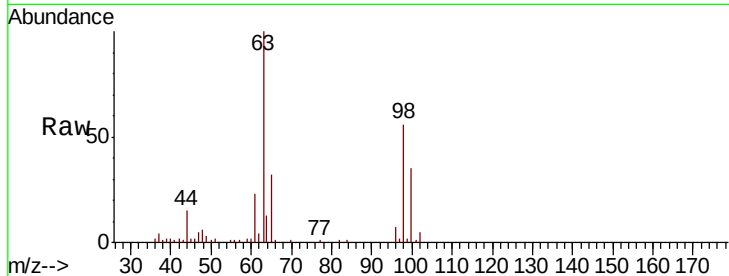
Delta R.T. 0.01 min

Lab File: VV015676.D

Acq: 24 Apr 2020 16:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 1526
Ion Ratio Lower Upper
96 100
61 332.1 130.1 241.7#
63 1451.8 91.4 169.8#



#13

Acetone

Concen: 1.122 ug/L

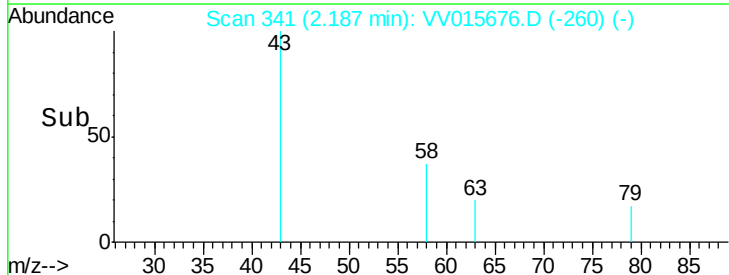
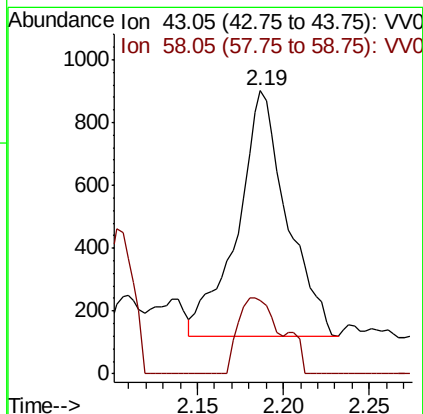
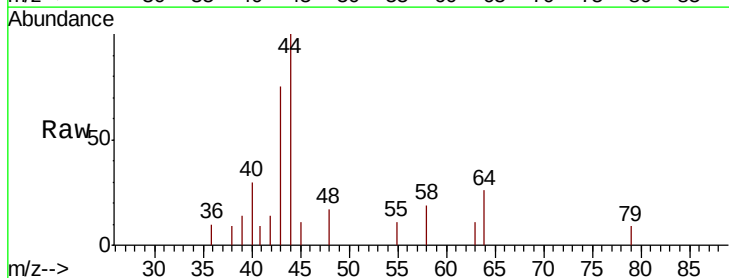
RT: 2.19 min Scan# 341

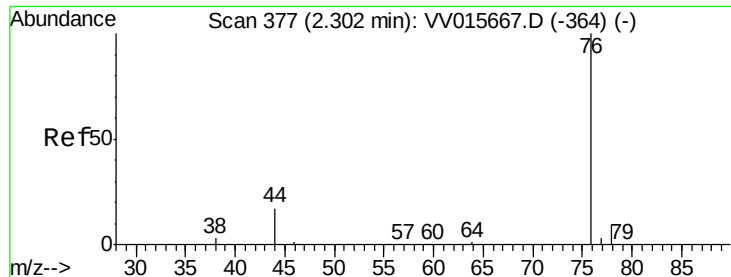
Delta R.T. -0.04 min

Lab File: VV015676.D

Acq: 24 Apr 2020 16:07

Tgt Ion: 43 Resp: 1561
Ion Ratio Lower Upper
43 100
58 23.0 0.0 57.6





#14

Carbon disulfide

Concen: 0.053 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV015676.D

Acq: 24 Apr 2020 16:07

Instrument :

MSVOA_V

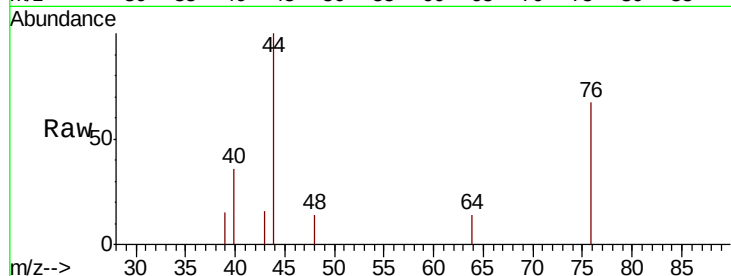
ClientSampled :

Tot Ion: 76 Resp: 1048

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

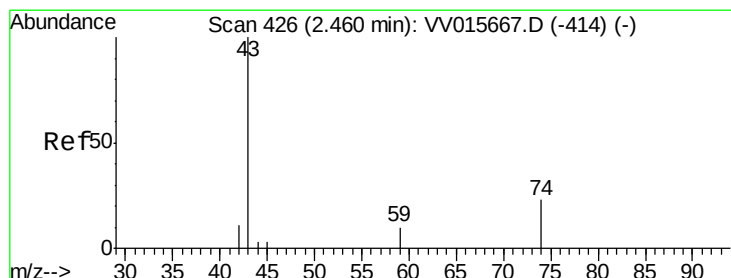
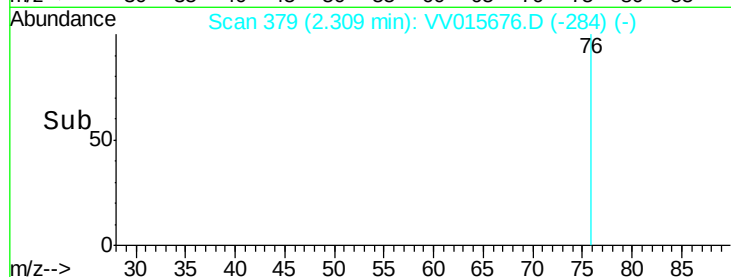
600

400

200

0

Time-->



#15

Methyl Acetate

Concen: 0.247 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.01 min

Lab File: VV015676.D

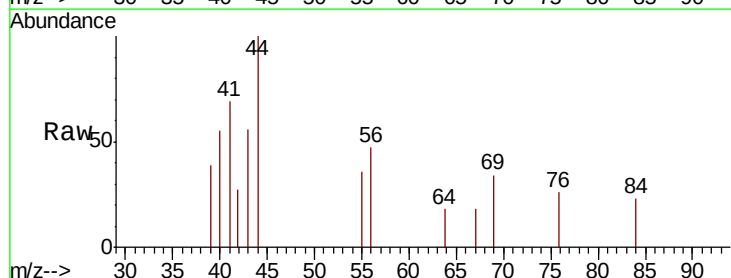
Acq: 24 Apr 2020 16:07

Tgt Ion: 43 Resp: 816

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.45

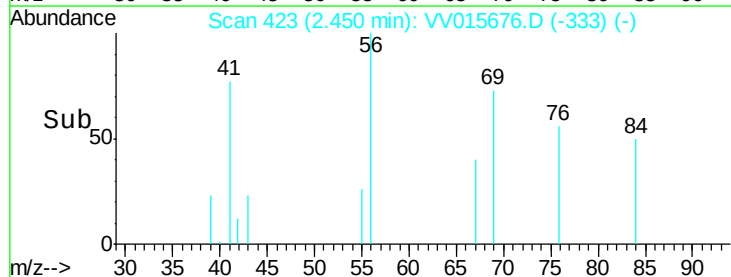
300

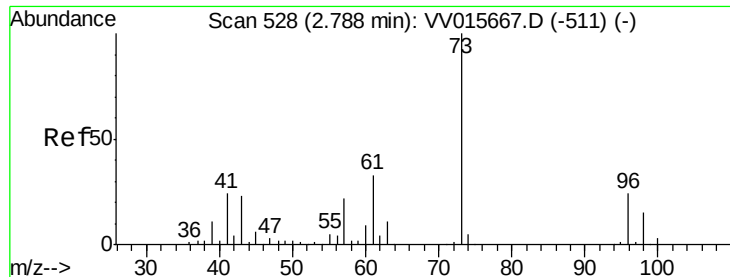
200

100

0

Time-->

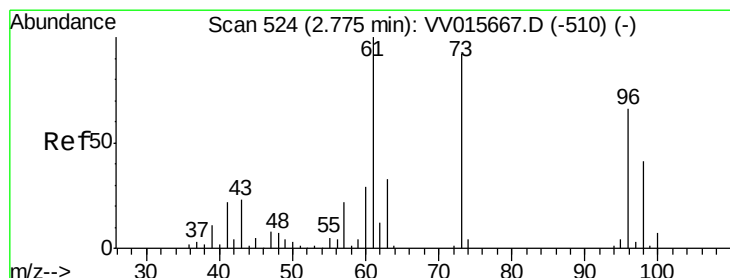
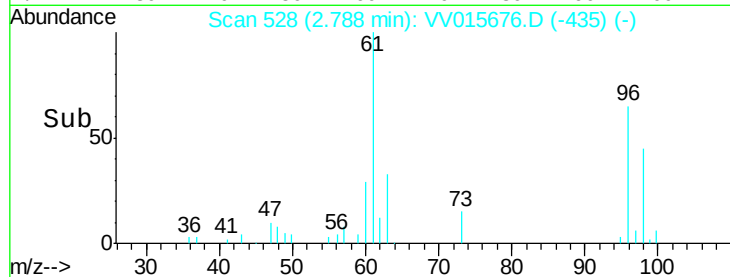
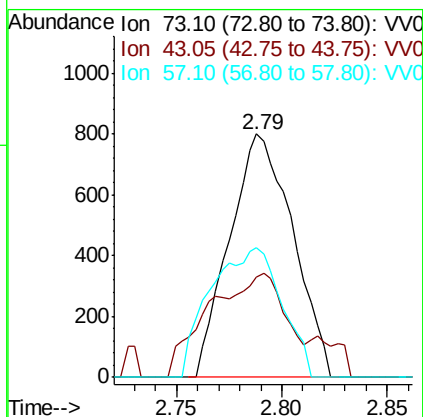
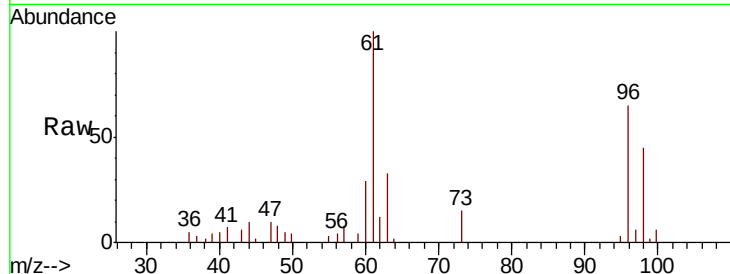




#17
Methyl tert-butyl Ether
Concen: 0.085 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015676.D
Acq: 24 Apr 2020 16:07

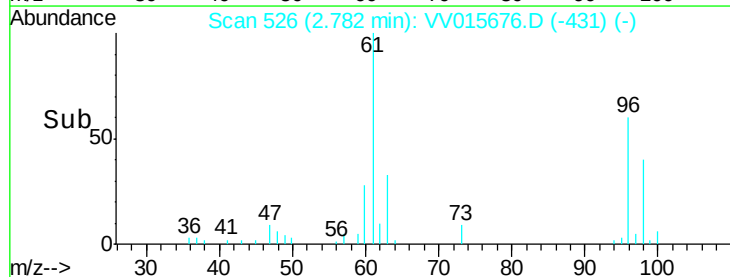
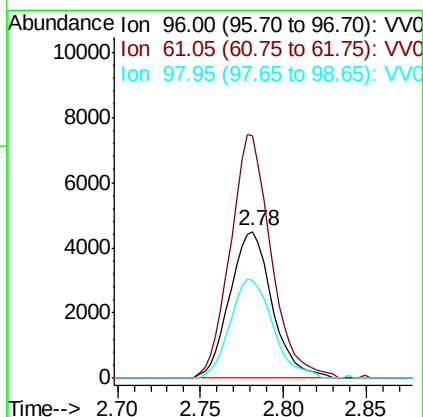
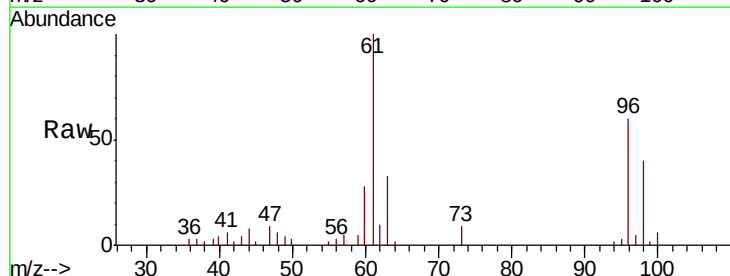
Instrument :
MSVOA_V
ClientSampled :

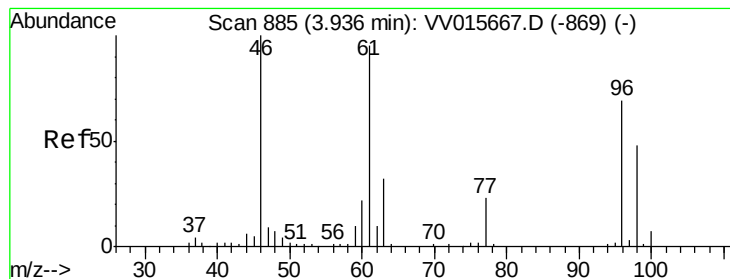
Tot Ion: 73 Resp: 1667
Ion Ratio Lower Upper
73 100
43 52.1 20.1 30.1#
57 60.2 17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 1.029 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV015676.D
Acq: 24 Apr 2020 16:07

Tgt Ion: 96 Resp: 8006
Ion Ratio Lower Upper
96 100
61 165.6 105.5 195.9
98 66.9 44.2 82.0



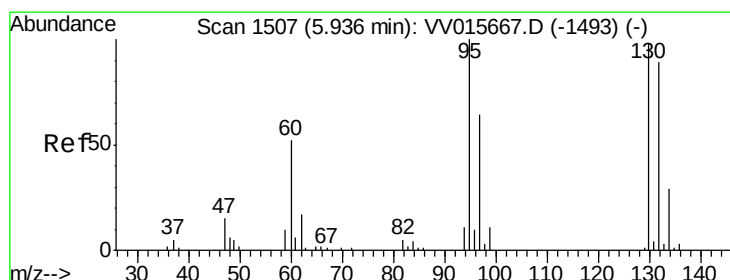
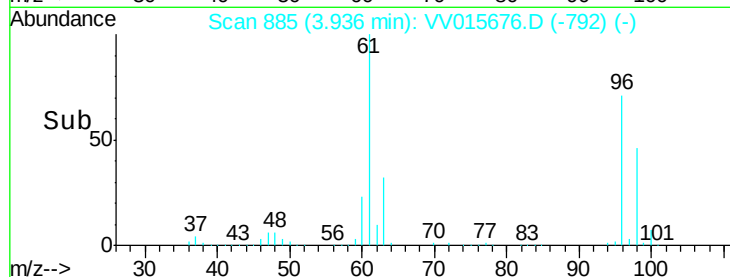
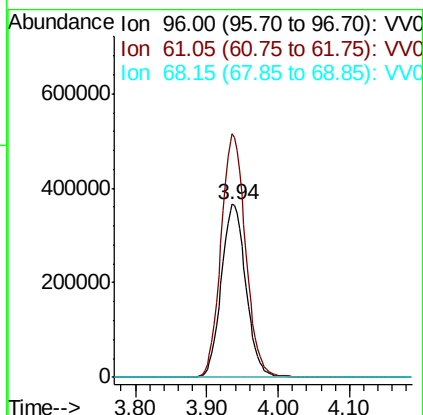
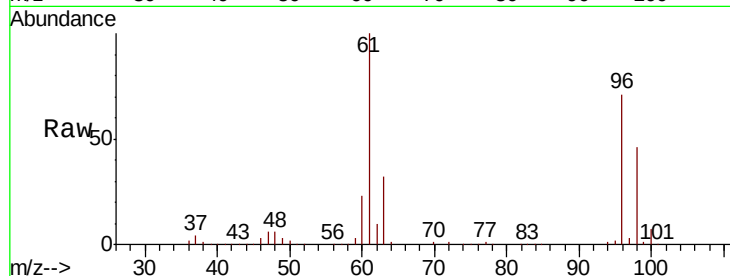


#22

cis-1,2-Dichloroethene
Concen: 101.998 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV015676.D
Acq: 24 Apr 2020 16:07

Instrument :
MSVOA_V
ClientSampleId :

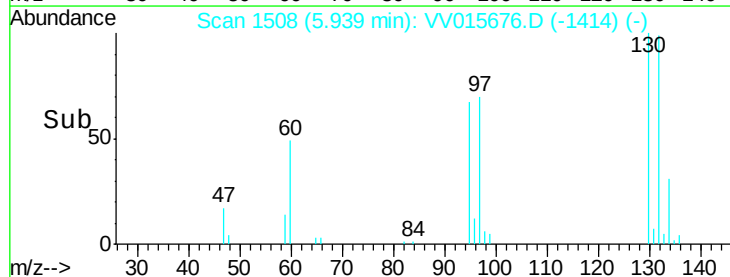
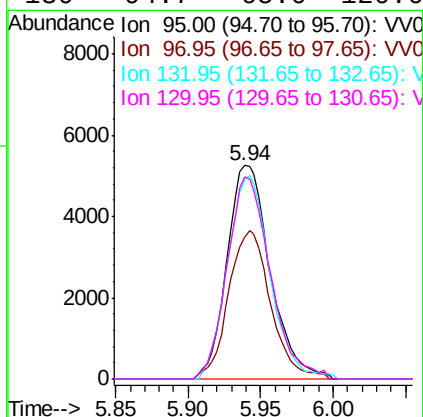
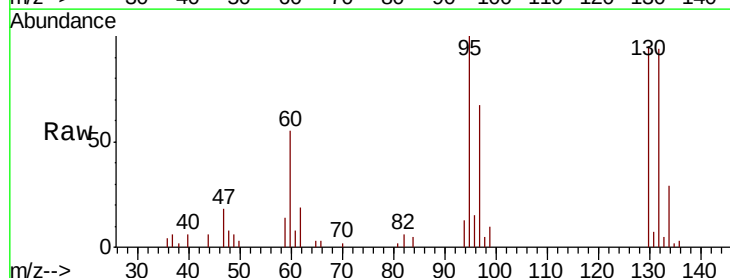
Tot Ion: 96 Resp: 877830
Ion Ratio Lower Upper
96 100
61 140.8 96.4 179.0
68 0.0 0.0 0.0

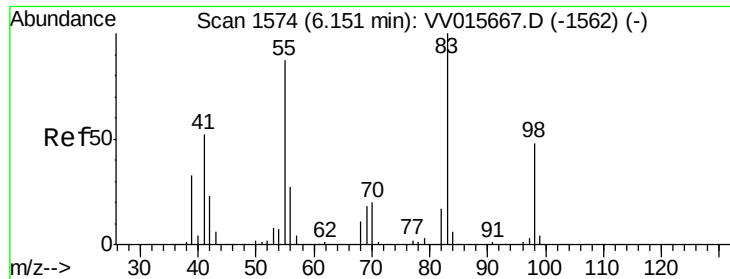


#34

Trichloroethene
Concen: 1.194 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV015676.D
Acq: 24 Apr 2020 16:07

Tgt Ion: 95 Resp: 10858
Ion Ratio Lower Upper
95 100
97 66.7 44.7 82.9
132 93.8 65.2 121.0
130 94.7 65.0 120.6

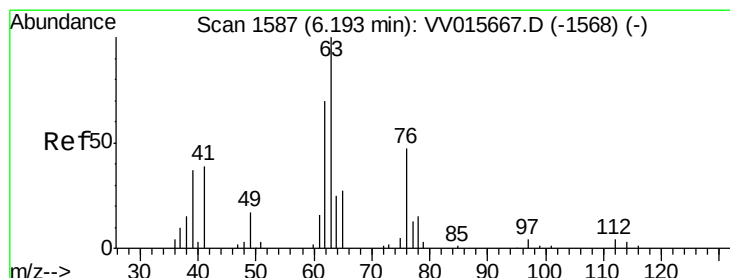
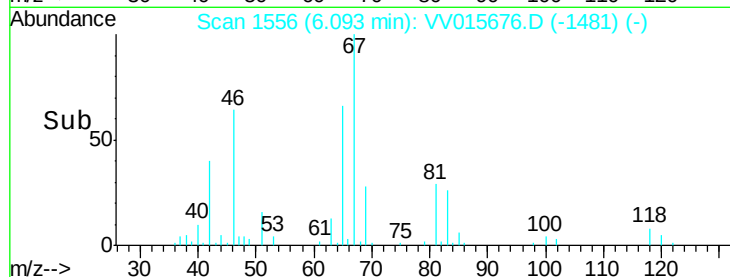
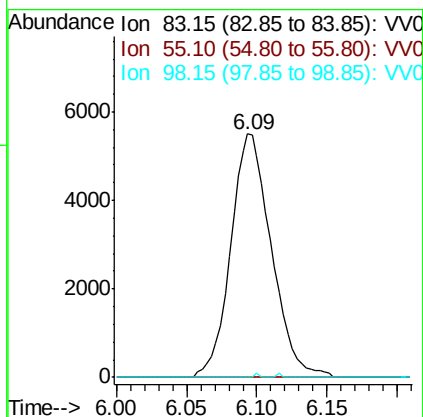
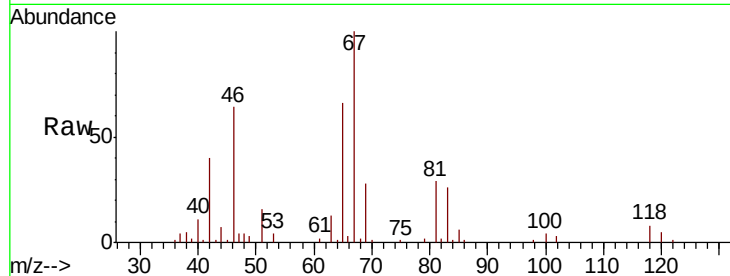




#35
Methylvlcyclohexane
Concen: 0.794 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015676.D
Acq: 24 Apr 2020 16:07

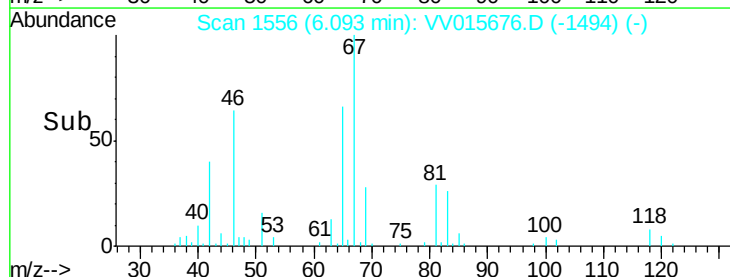
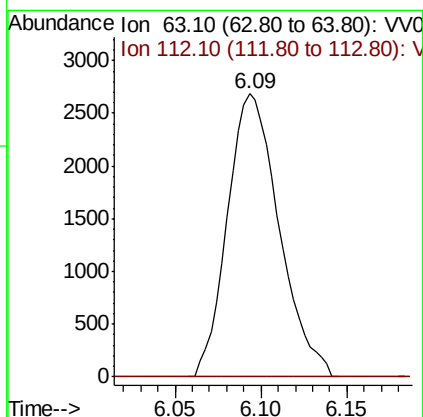
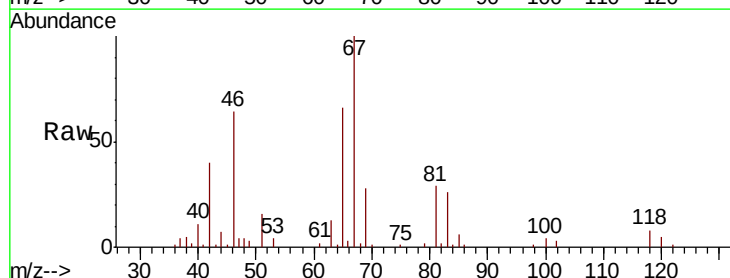
Instrument :
MSVOA_V
ClientSampleId :

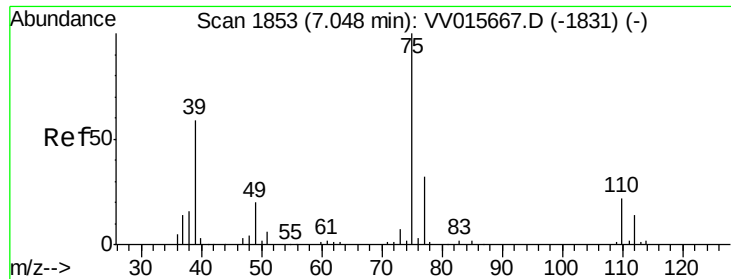
Tot Ion: 83 Resp: 11086
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.2 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.670 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015676.D
Acq: 24 Apr 2020 16:07

Tgt Ion: 63 Resp: 5608
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

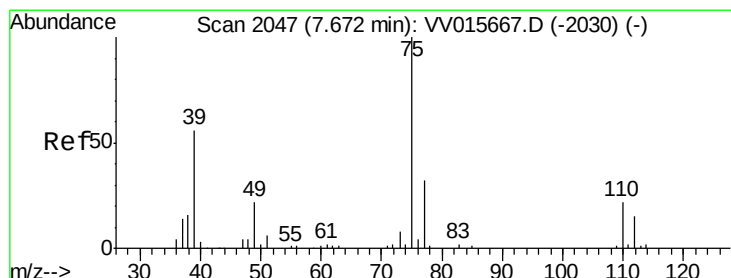
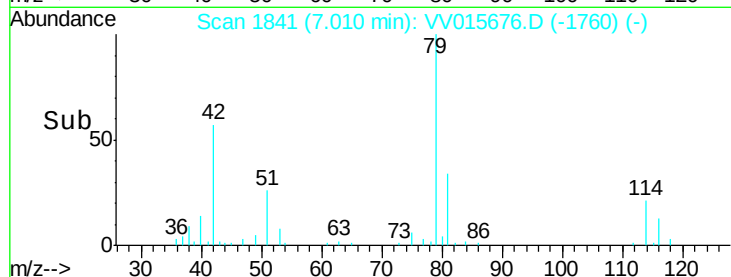
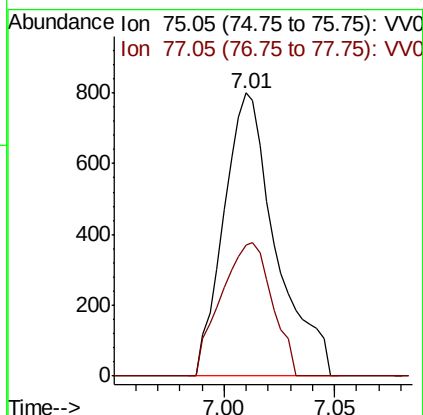
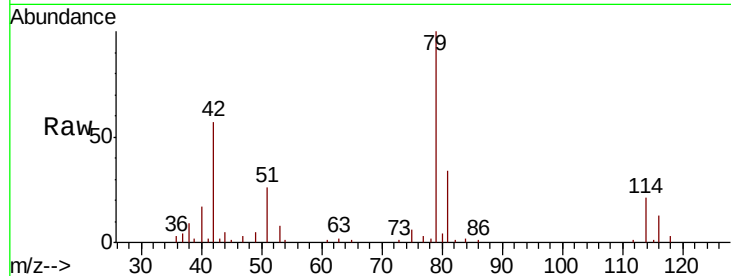




#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015676.D
 Acq: 24 Apr 2020 16:07

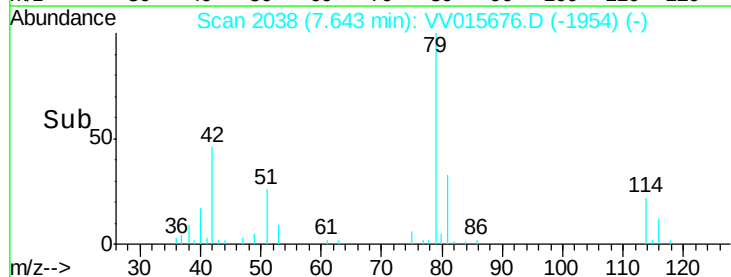
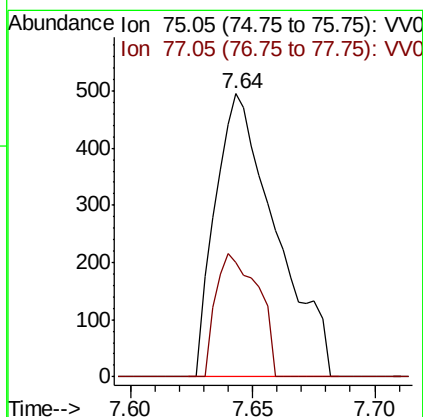
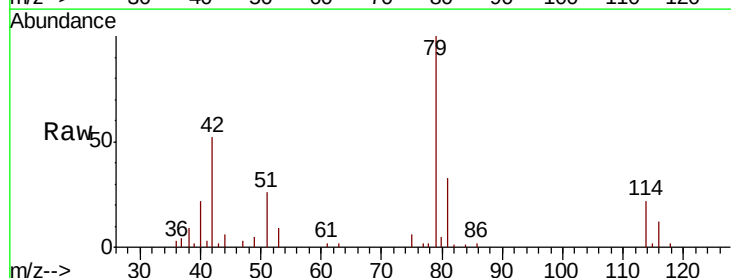
Instrument :
 MSVOA_V
 ClientSampleId :

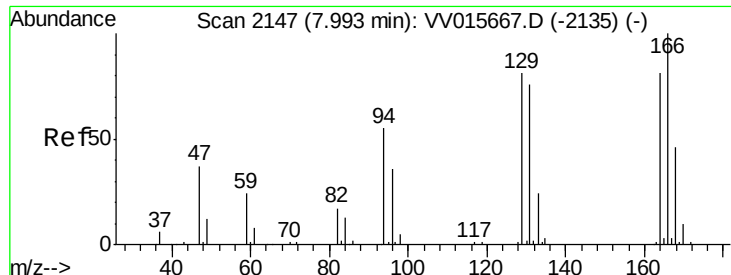
Tot Ion: 75 Resp: 1306
 Ion Ratio Lower Upper
 75 100
 77 46.2 22.3 41.5#



#44
 trans-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV015676.D
 Acq: 24 Apr 2020 16:07

Tgt Ion: 75 Resp: 855
 Ion Ratio Lower Upper
 75 100
 77 40.4 21.8 40.6

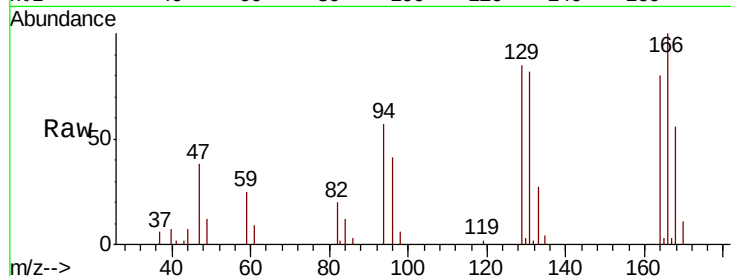




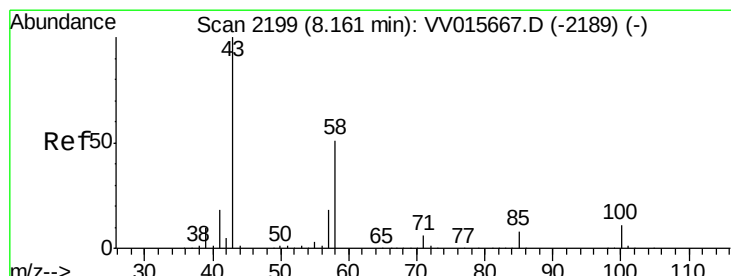
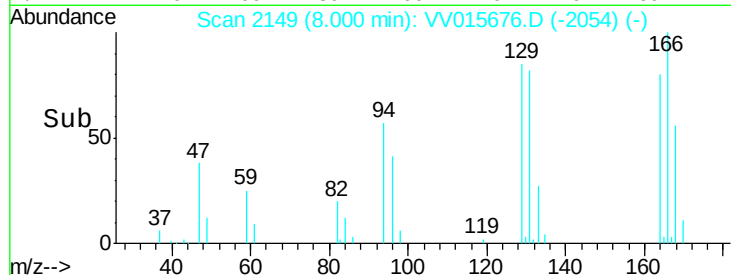
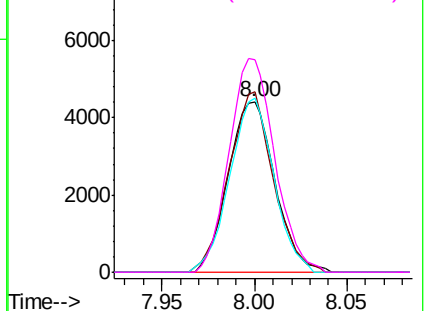
#47
Tetrachloroethene
Concen: 1.180 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.01 min
Lab File: VV015676.D
Acq: 24 Apr 2020 16:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 7725
Ion Ratio Lower Upper
164 100
129 105.8 66.7 123.9
131 102.1 66.6 123.6
166 124.9 85.3 158.5

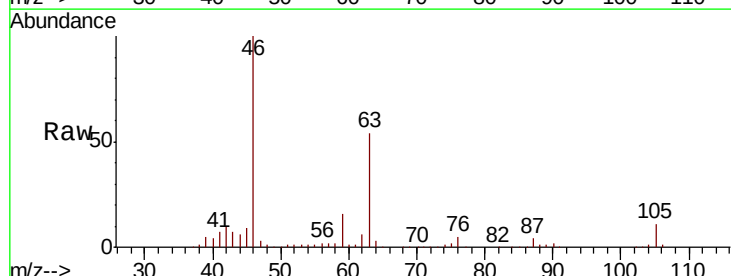


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

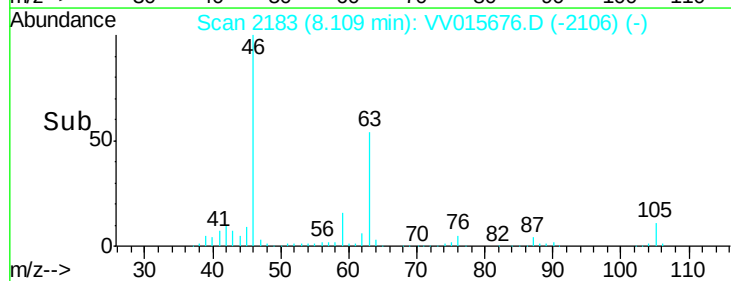
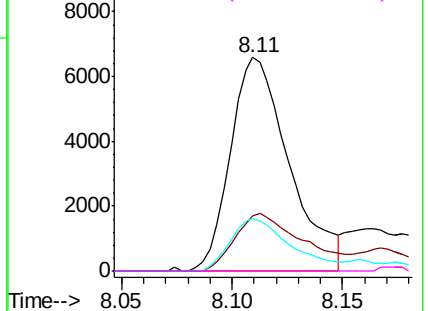


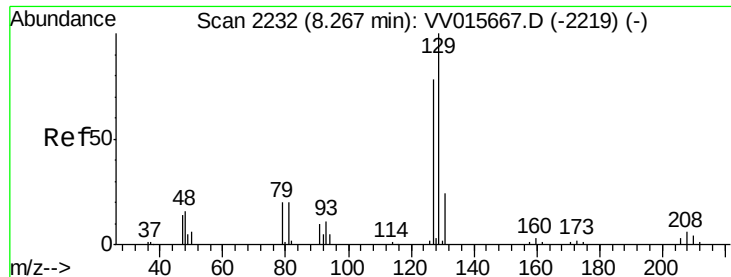
#48
2-Hexanone
Concen: 3.149 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV015676.D
Acq: 24 Apr 2020 16:07

Tgt Ion: 43 Resp: 12196
Ion Ratio Lower Upper
43 100
58 31.8 41.1 61.7#
57 24.8 15.0 22.4#
100 0.0 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: 1.283 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV015676.D

Acq: 24 Apr 2020 16:07

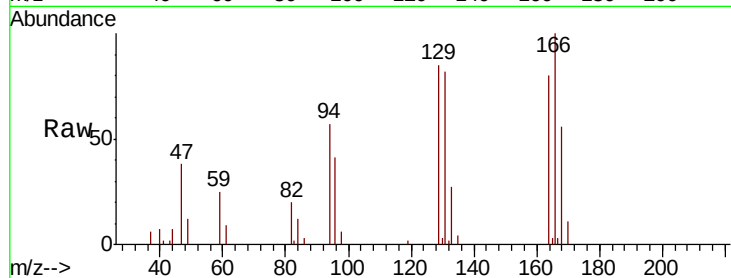
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 7573

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

