

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018754.D
 Acq On : 08 Oct 2020 01:42
 Operator : SY/MD
 Sample : L4284-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 06:43:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 02:46:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	287401	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	321970	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	159162	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67770	40.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.42%
7) Chloroethane-d5	1.58	69	61026	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.58%
11) 1,1-Dichloroethene-d2	2.13	63	148014	43.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.20%
21) 2-Butanone-d5	3.91	46	96778	76.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.97%
24) Chloroform-d	4.38	84	150858	41.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.78%
26) 1,2-Dichloroethane-d4	5.06	65	107063	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
32) Benzene-d6	5.08	84	287685	35.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.56%
36) 1,2-Dichloropropane-d6	6.10	67	93427	37.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	75.82%
41) Toluene-d8	7.34	98	272616	35.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.06%#
43) trans-1,3-Dichloropropene-	7.65	79	46531	34.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.92%
47) 2-Hexanone-d5	8.00	63	298	0.32	ug/L	-0.10
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.32%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	139045	42.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	127796	41.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.50%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	15145	6.889	ug/L 93
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1259	0.673	ug/L # 20
12) 1,1-Dichloroethene	2.13	96	62098	34.612	ug/L # 80
17) trans-1,2-Dichloroethene	2.78	96	3398	1.655	ug/L 93
18) Methyl tert-butyl Ether	2.79	73	44439	7.105	ug/L 93
20) cis-1,2-Dichloroethene	3.94	96	48003	22.002	ug/L 93
33) Benzene	5.13	78	10457	1.106	ug/L 100
34) Trichloroethene	5.94	95	5154063	1876.856	ug/L 92
35) Methylcyclohexane	6.10	83	23793	6.423	ug/L # 19
39) cis-1,3-Dichloropropene	7.01	75	3425	0.900	ug/L # 68
45) 1,1,2-Trichloroethane	8.05	97	417810	173.913	ug/L # 5
48) 2-Hexanone	8.14	43	7868	3.220	ug/L # 55
53) m,p-Xylene	9.17	106	4915	1.113	ug/L 83
59) 1,2,3-Trichloropropane	11.27	75	22899	7.757	ug/L 99
63) 1,4-Dichlorobenzene	11.30	146	9111	1.718	ug/L 99
65) 1,2-Dichlorobenzene	11.67	146	10557	2.072	ug/L 94
69) Naphthalene	13.53	128	7410	0.780	ug/L # 92

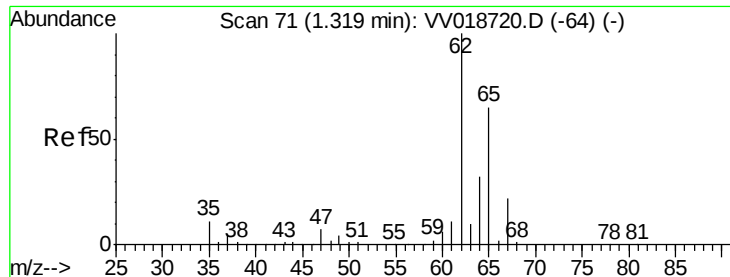
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
Data File : VV018754.D
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Operator : SY/MD
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Quant Title : VOC Analysis
QLast Update : Thu Oct 08 02:46:20 2020
Response via : Initial Calibration

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



#5

Vinyl chloride

Concen: 6.889 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018754.D

Acq: 08 Oct 2020 01:42

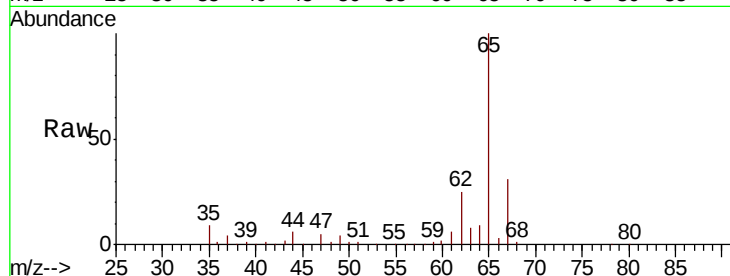
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 15145

Ion Ratio Lower Upper

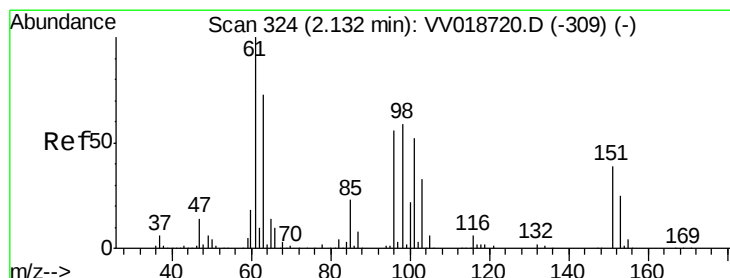
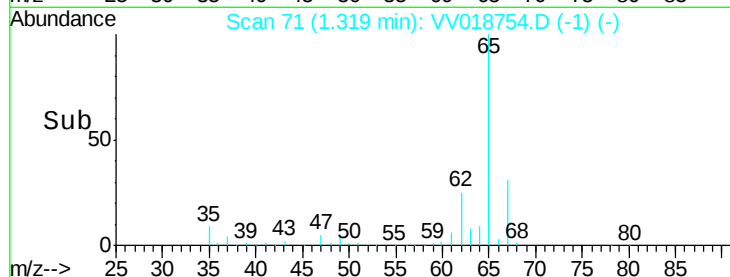
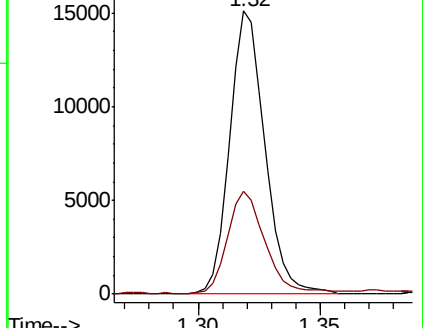
62 100

64 36.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018720.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV018720.D (-64) (-)



#10

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

Concen: 0.673 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018754.D

Acq: 08 Oct 2020 01:42

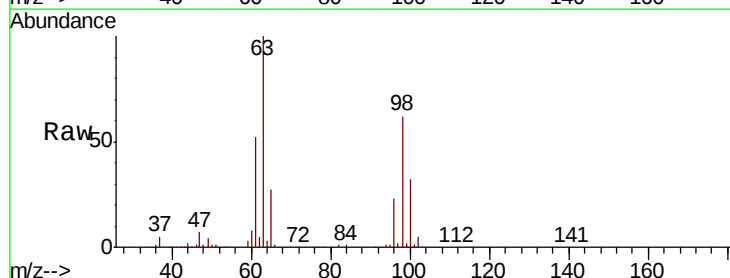
Tgt Ion: 101 Resp: 1259

Ion Ratio Lower Upper

101 100

85 5.4 34.6 52.0#

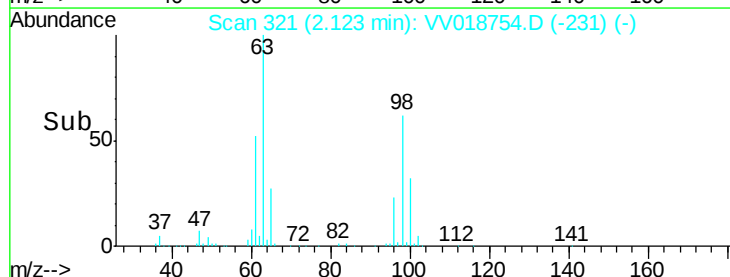
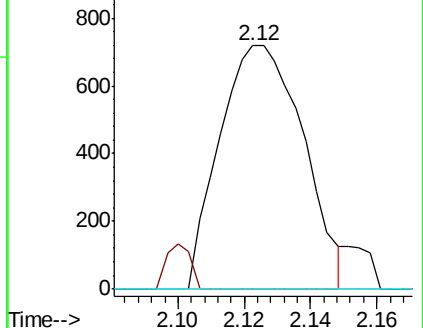
151 0.0 64.3 96.5#

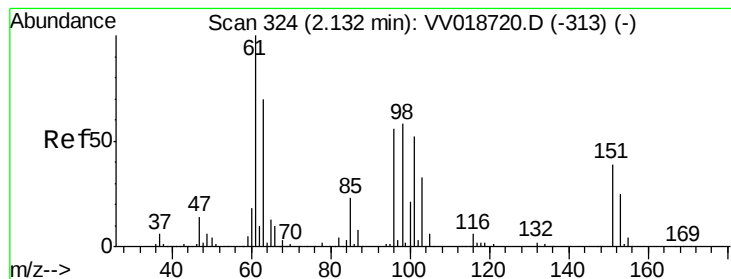


Abundance Ion 101.00 (100.70 to 101.70): VV018720.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV018720.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV018720.D (-309) (-)





#12

1,1-Dichloroethene

Concen: 34.612 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018754.D

Acq: 08 Oct 2020 01:42

Instrument :
MSVOA_V
ClientSampled :

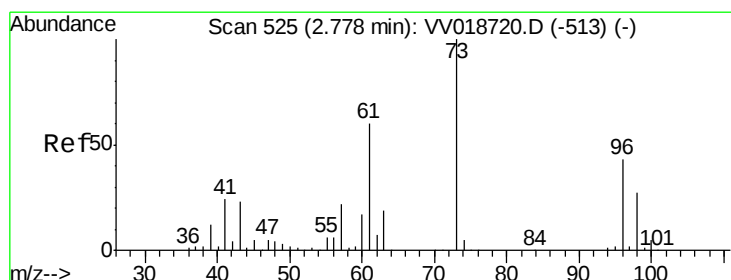
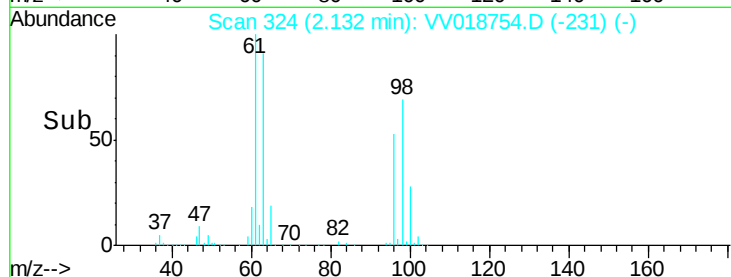
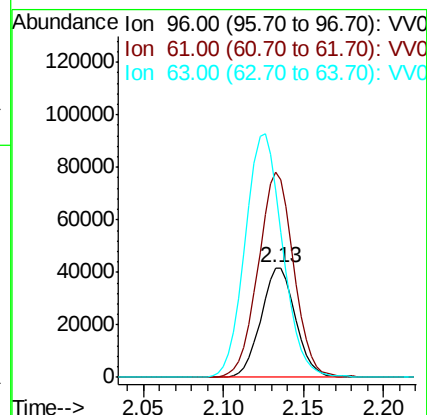
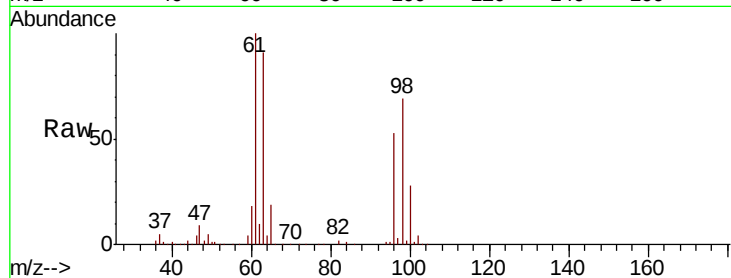
Tot Ion: 96 Resp: 62098

Ion Ratio Lower Upper

96 100

61 187.8 122.8 228.1

63 171.2 91.9 170.7#



#17

trans-1,2-Dichloroethene

Concen: 1.655 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018754.D

Acq: 08 Oct 2020 01:42

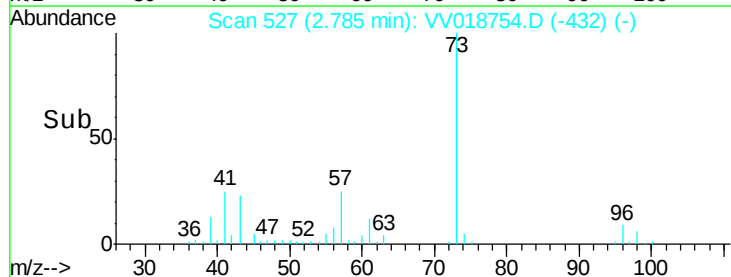
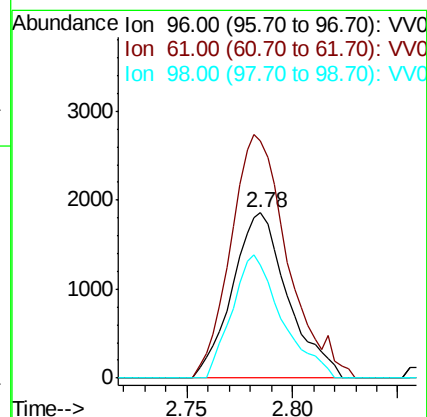
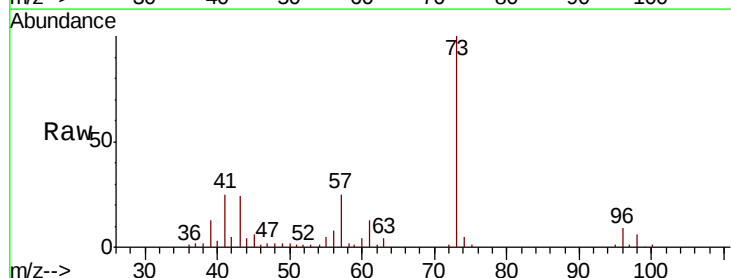
Tgt Ion: 96 Resp: 3398

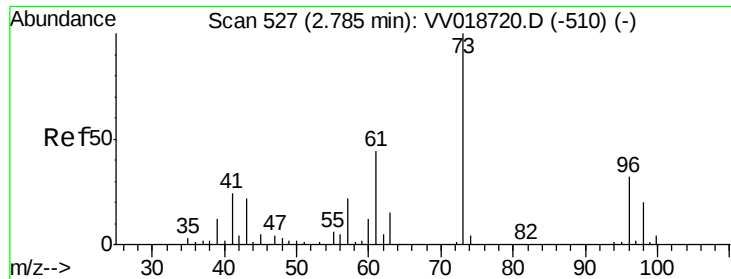
Ion Ratio Lower Upper

96 100

61 144.0 95.0 176.4

98 68.3 44.6 82.8

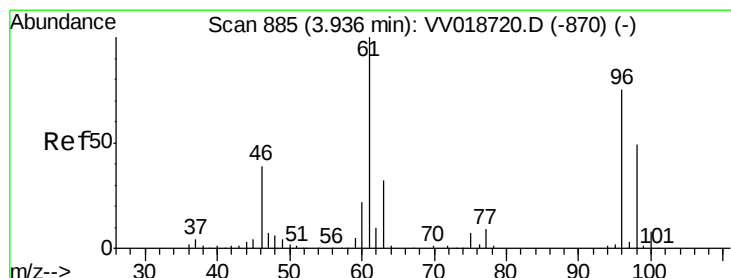
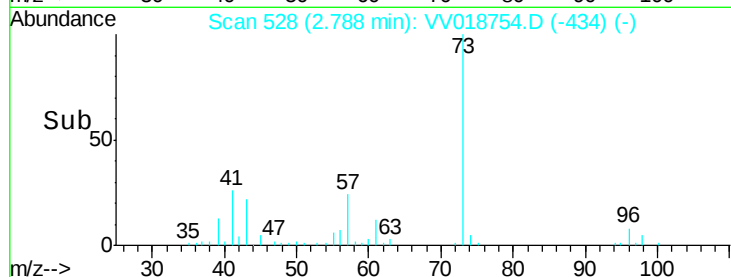
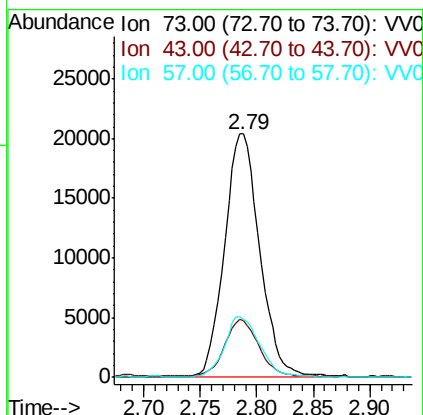
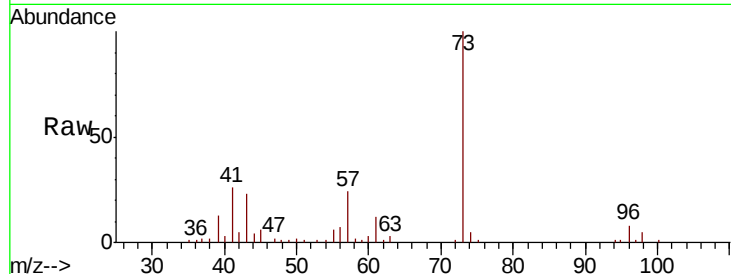




#18
Methvl tert-butvl Ether
Concen: 7.105 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018754.D
Acq: 08 Oct 2020 01:42

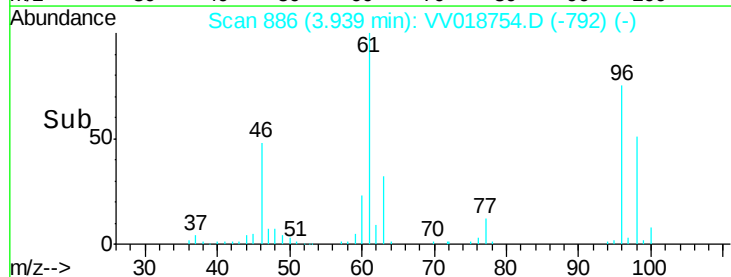
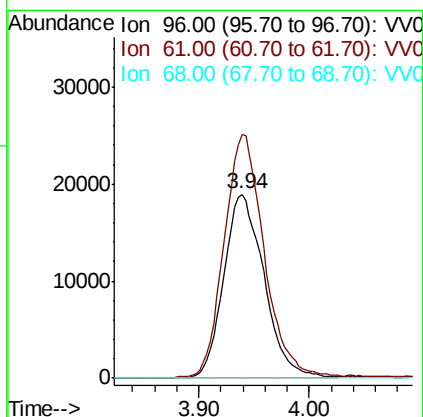
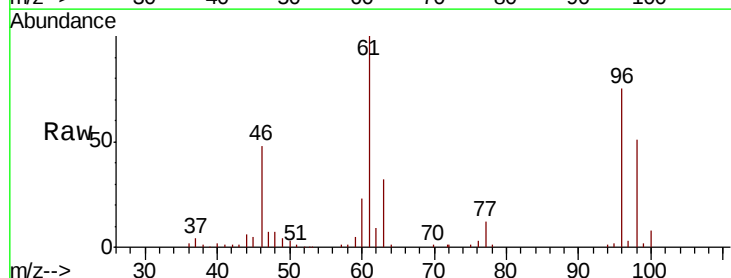
Instrument :
MSVOA_V
ClientSampled :

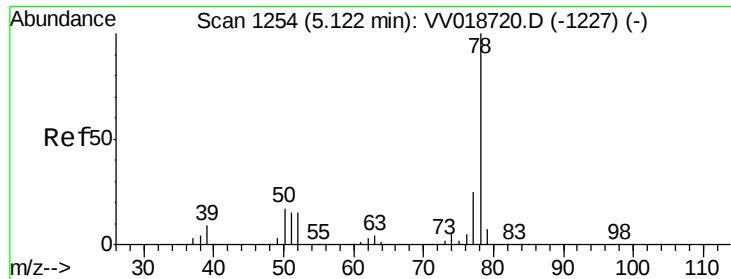
Tot Ion: 73 Resp: 44439
Ion Ratio Lower Upper
73 100
43 23.5 15.9 23.9
57 24.8 17.5 26.3



#20
cis-1,2-Dichloroethene
Concen: 22.002 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV018754.D
Acq: 08 Oct 2020 01:42

Tgt Ion: 96 Resp: 48003
Ion Ratio Lower Upper
96 100
61 132.5 86.8 161.2
68 0.0 0.0 0.0





#33

Benzene

Concen: 1.106 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV018754.D

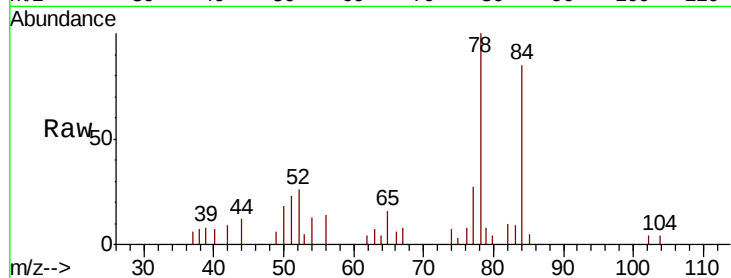
Acq: 08 Oct 2020 01:42

Instrument :

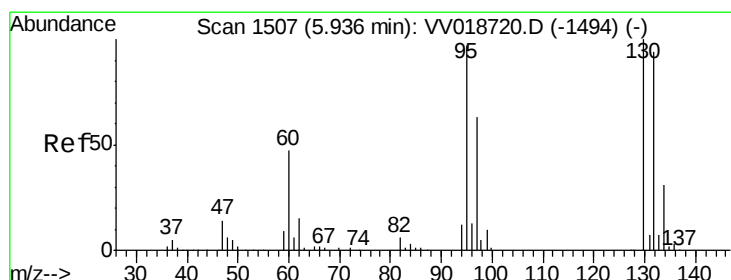
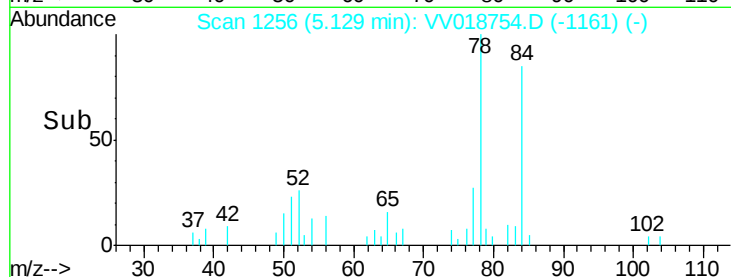
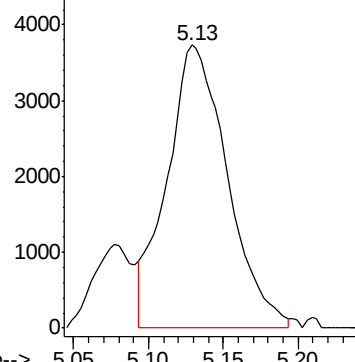
MSVOA_V

ClientSampled :

Tgt Ion: 78 Resp: 10457



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 1876.856 ug/L

RT: 5.94 min Scan# 1509

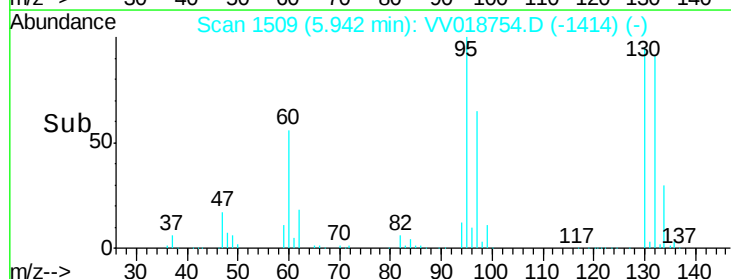
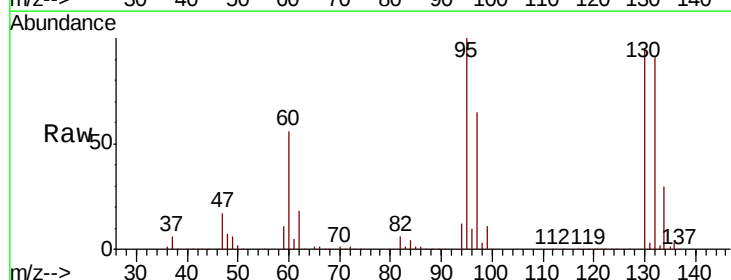
Delta R.T. 0.01 min

Lab File: VV018754.D

Acq: 08 Oct 2020 01:42

Tgt Ion: 95 Resp: 5154063

Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.9	85.3
132	91.3	70.8	131.4
130	95.2	75.3	139.8

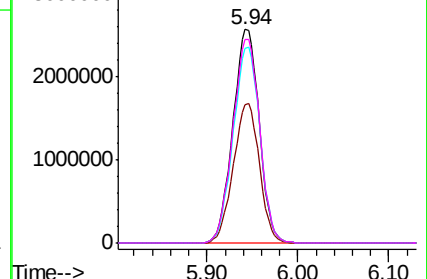


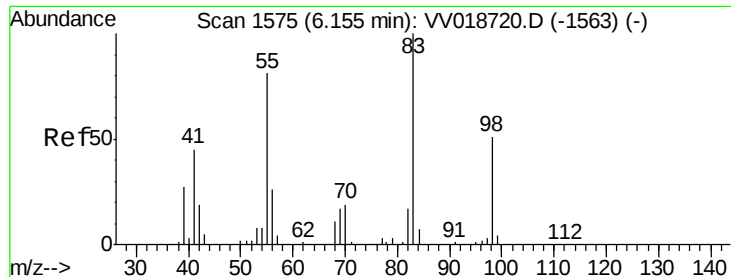
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

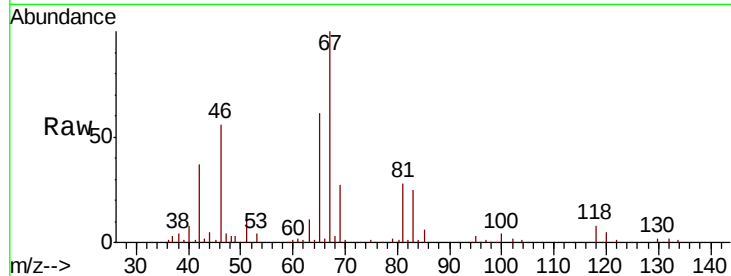




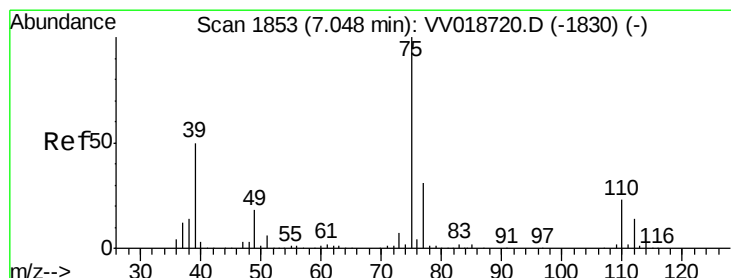
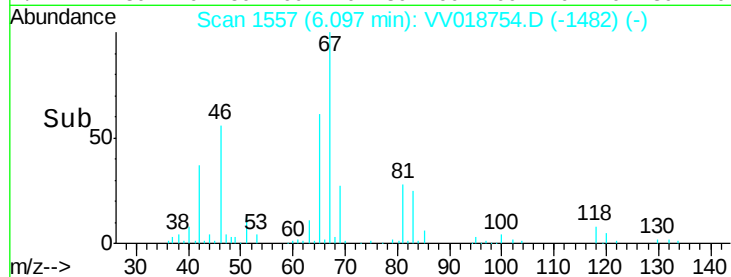
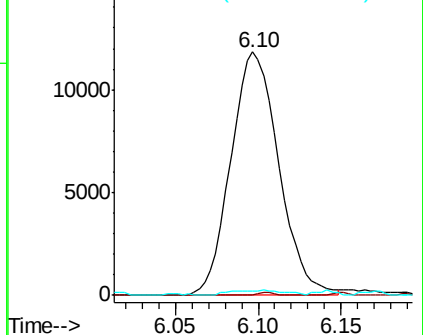
#35
Methvlcvclohexane
Concen: 6.423 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV018754.D
Acq: 08 Oct 2020 01:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 23793
Ion Ratio Lower Upper
83 100
55 0.4 60.1 90.1#
98 0.5 40.2 60.4#

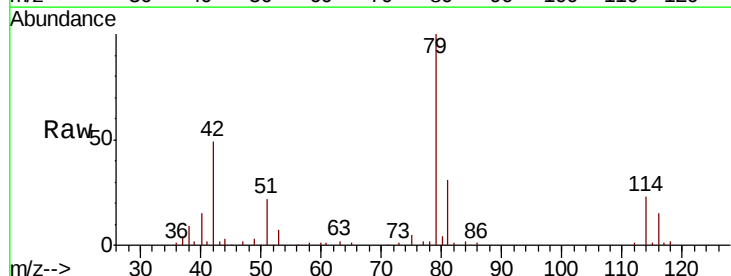


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

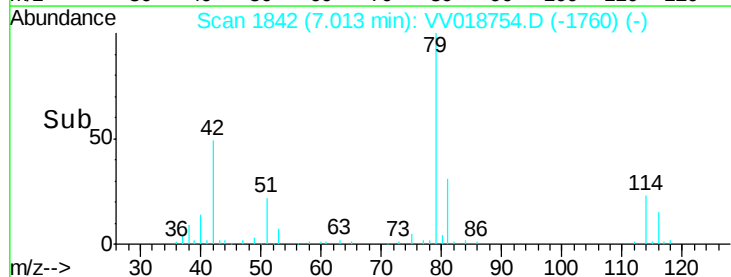
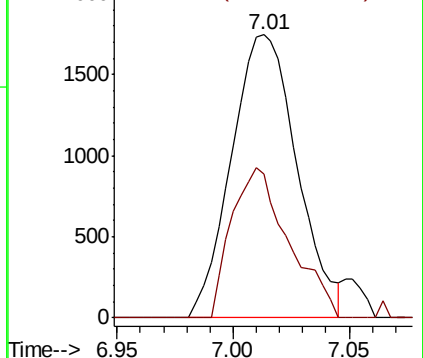


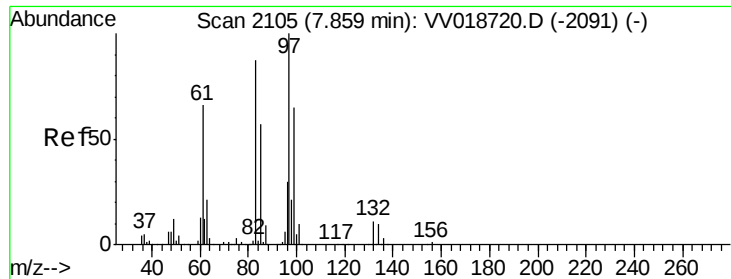
#39
cis-1,3-Dichloropropene
Concen: 0.900 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV018754.D
Acq: 08 Oct 2020 01:42

Tgt Ion: 75 Resp: 3425
Ion Ratio Lower Upper
75 100
77 50.8 23.0 42.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

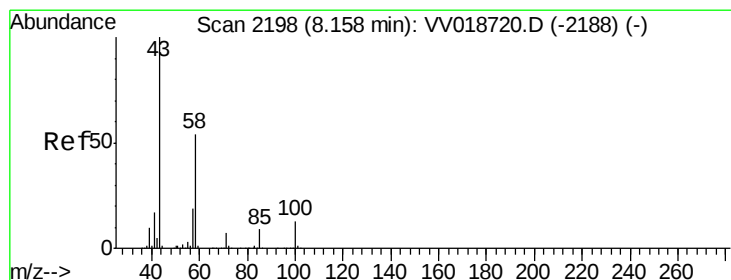
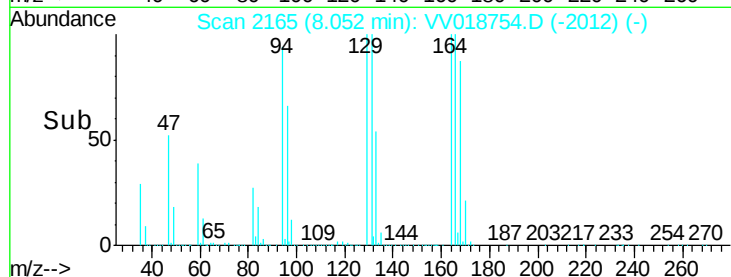
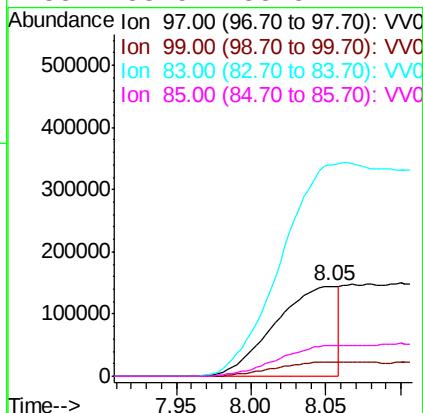
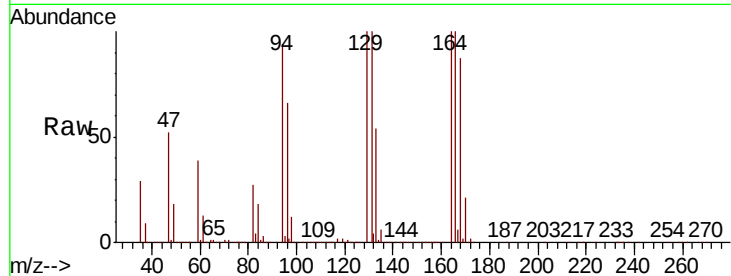




#45
1,1,2-Trichloroethane
Concen: 173.913 ug/L
RT: 8.05 min Scan# 2165
Delta R.T. 0.19 min
Lab File: VV018754.D
Acq: 08 Oct 2020 01:42

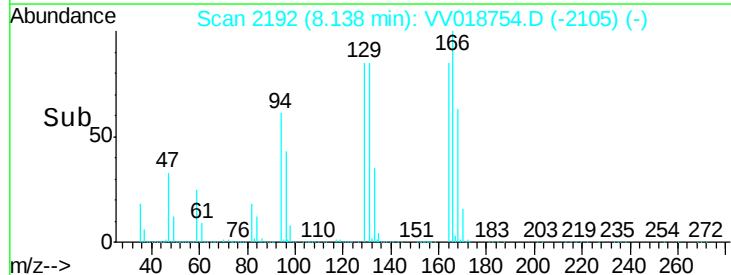
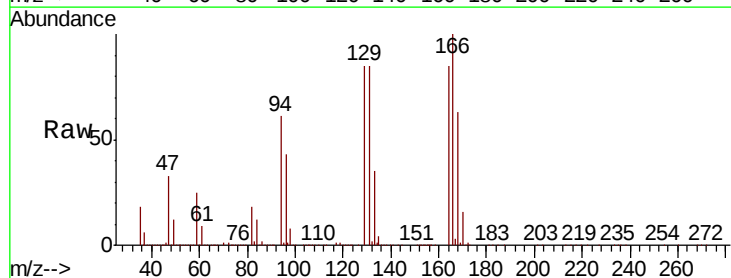
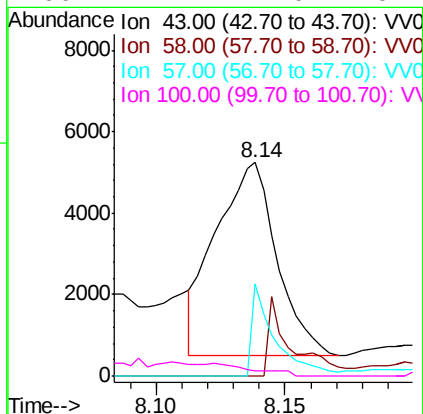
Instrument :
MSVOA_V
ClientSampleId :

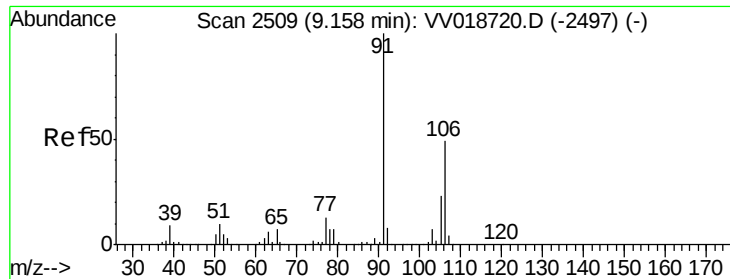
Tot Ion: 97 Resp: 417810
Ion Ratio Lower Upper
97 100
99 15.4 43.3 80.3#
83 234.7 60.5 112.5#
85 33.5 38.3 71.1#



#48
2-Hexanone
Concen: 3.220 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.02 min
Lab File: VV018754.D
Acq: 08 Oct 2020 01:42

Tgt Ion: 43 Resp: 7868
Ion Ratio Lower Upper
43 100
58 10.4 45.1 67.7#
57 18.2 15.7 23.5
100 1.2 11.0 16.4#





#53

m,p-Xylene

Concen: 1.113 ug/L

RT: 9.17 min Scan# 2513

Delta R.T. 0.01 min

Lab File: VV018754.D

Acq: 08 Oct 2020 01:42

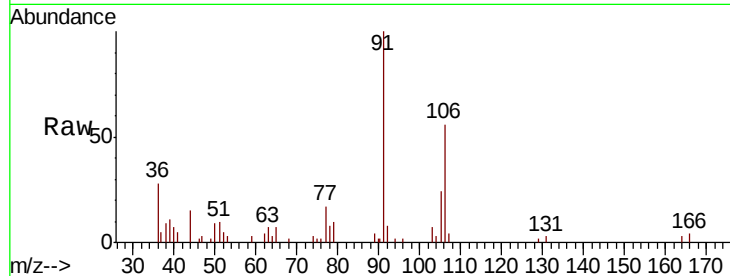
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 4915

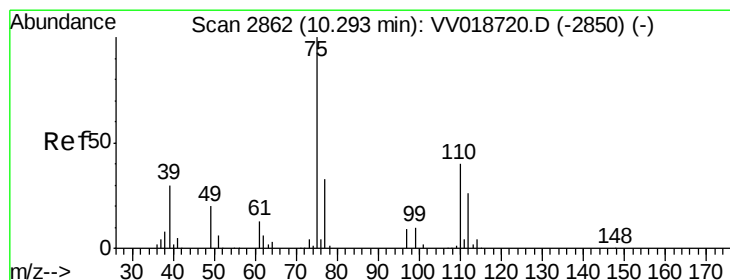
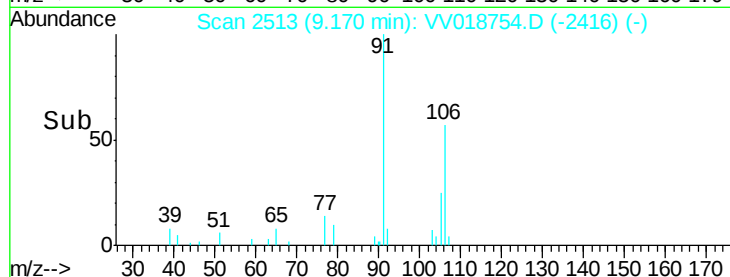
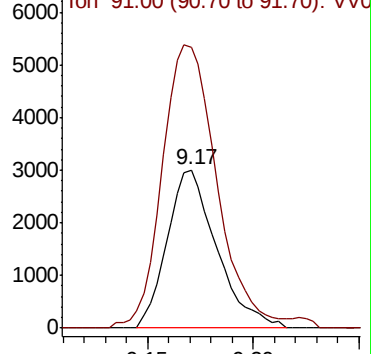
Ion Ratio Lower Upper

106 100

91 177.7 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018720.D (-2497) (-)



#59

1,2,3-Trichloropropane

Concen: 7.757 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018754.D

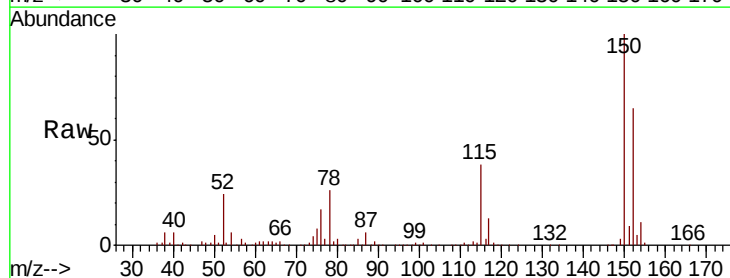
Acq: 08 Oct 2020 01:42

Tgt Ion: 75 Resp: 22899

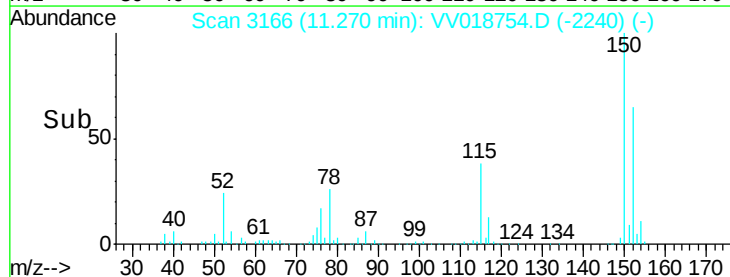
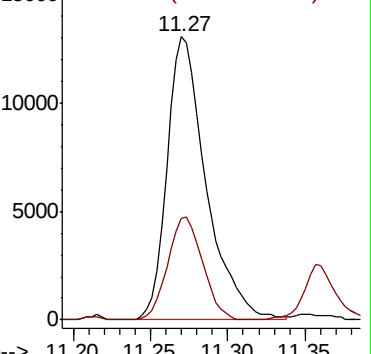
Ion Ratio Lower Upper

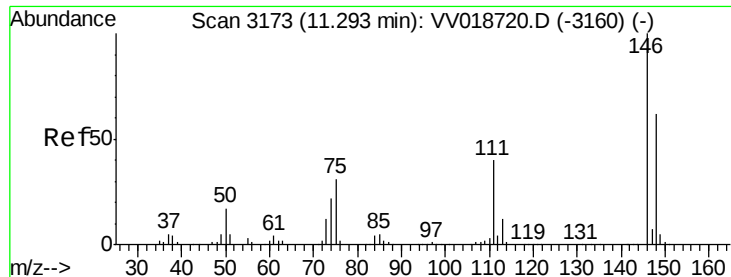
75 100

77 32.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV018720.D (-2850) (-)

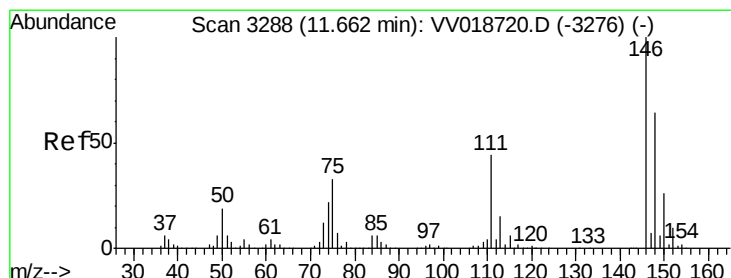
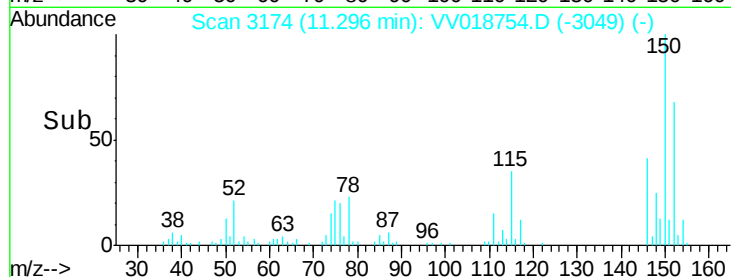
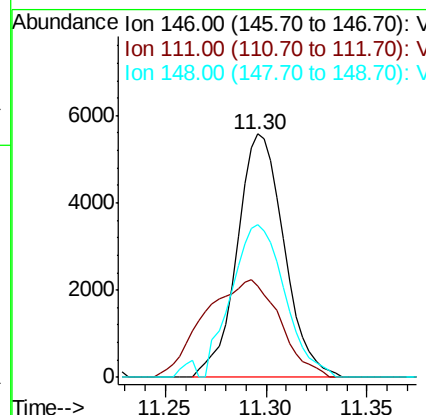
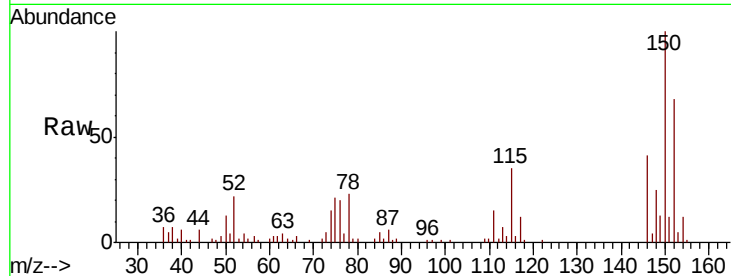




#63
 1,4-Dichlorobenzene
 Concen: 1.718 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018754.D
 Acq: 08 Oct 2020 01:42

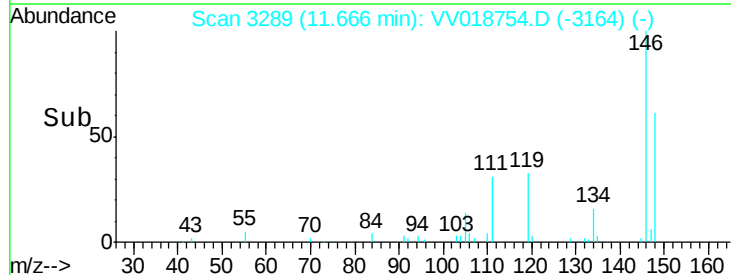
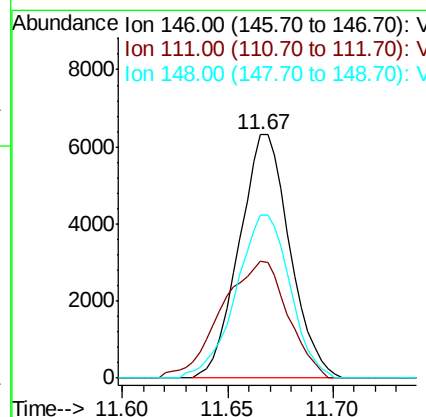
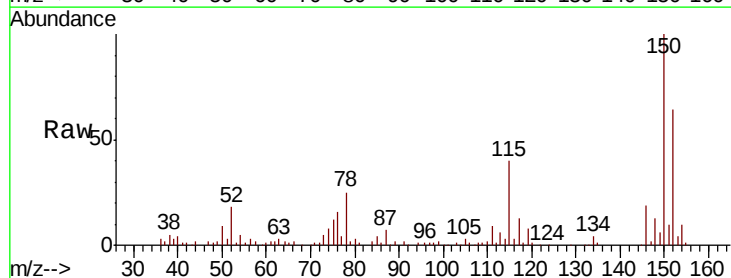
Instrument :
 MSVOA_V
 ClientSampleId :

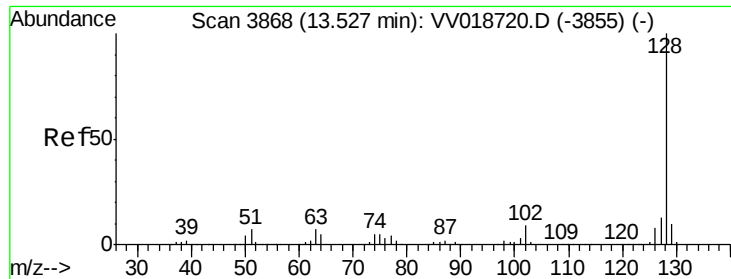
Tot Ion:146 Resp: 9111
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.2 48.6
 148 62.6 44.4 82.5



#65
 1,2-Dichlorobenzene
 Concen: 2.072 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018754.D
 Acq: 08 Oct 2020 01:42

Tgt Ion:146 Resp: 10557
 Ion Ratio Lower Upper
 146 100
 111 47.8 32.8 49.2
 148 66.8 51.9 77.9





#69

Naphthalene

Concen: 0.780 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV018754.D

Acq: 08 Oct 2020 01:42

Instrument :

MSVOA_V

ClientSampleId :

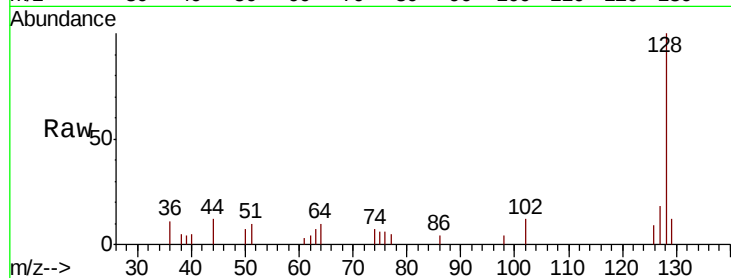
Tot Ion:128 Resp: 7410

Ion Ratio Lower Upper

128 100

127 17.8 10.3 15.5#

129 11.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

