

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073118\
 Data File : VV006795.D
 Acq On : 31 Jul 2018 19:26
 Operator : SY/MD
 Sample : J4225-14MSD
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 01 01:47:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 01 01:43:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	203268	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	185342	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	80595	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42798	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.57	69	43880	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.13	63	91812	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	3.95	46	175745	53.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.34%
24) Chloroform-d	4.40	84	104836	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.09	65	54533	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.10	84	208539	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
36) 1,2-Dichloropropane-d6	6.12	67	71764	5.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.60%
41) Toluene-d8	7.36	98	168362	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	7.67	79	22247	5.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.00%
46) 2-Hexanone-d5	8.14	63	137073	51.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.10%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	55518	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	67446	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	9331	0.601	ug/L	93
5) Vinyl chloride	1.32	62	82361	4.234	ug/L	91
12) 1,1-Dichloroethene	2.14	96	55483	4.167	ug/L	95
13) Acetone	2.19	43	4265	2.028	ug/L	91
18) trans-1,2-Dichloroethene	2.79	96	20287	1.403	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	1105718	73.316	ug/L	98
33) Benzene	5.15	78	269826	4.843	ug/L	100
34) Trichloroethene	5.96	95	95414	6.783	ug/L	97
35) Methylcyclohexane	6.12	83	16654	0.709	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	7279	0.509	ug/L #	86
42) Toluene	7.44	91	274494	4.784	ug/L	100
47) Tetrachloroethene	8.02	164	12503	1.119	ug/L	99
48) 2-Hexanone	8.14	43	14887	2.713	ug/L #	67
49) Dibromochloromethane	8.02	129	11161	1.095	ug/L #	11
51) Chlorobenzene	8.93	112	183875	4.927	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 01 01:43:21 2018
Response via : Initial Calibration

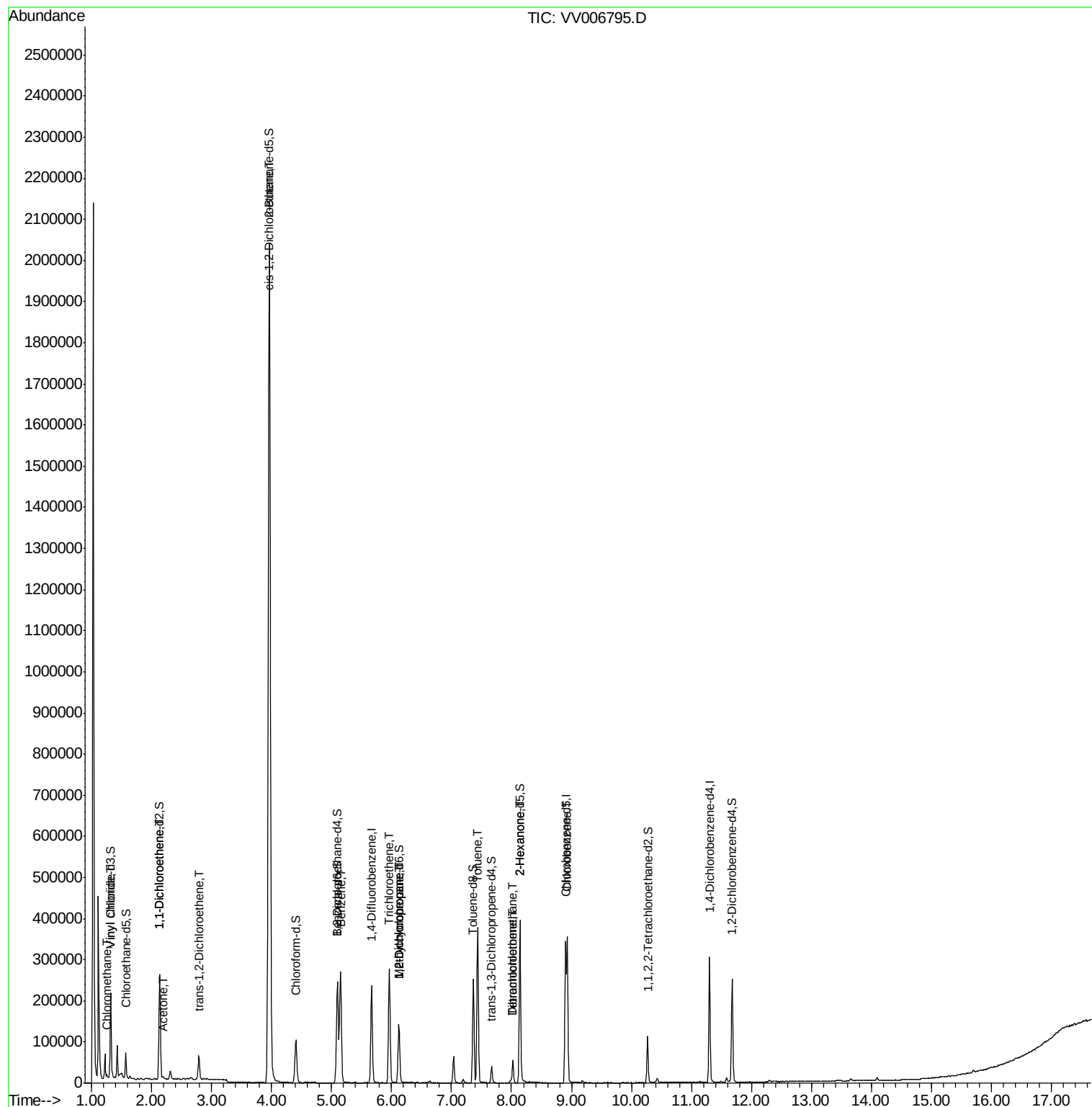
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

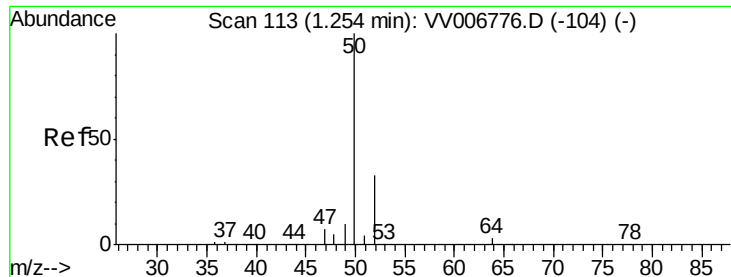
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.601 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV006795.D

Acq: 31 Jul 2018 19:26

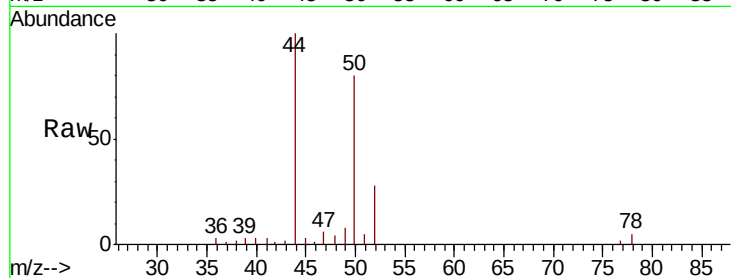
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 50 Resp: 9331

Ion Ratio Lower Upper

50 100

52 35.7 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV006776.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006795.D (-20) (-)

1.25

8000

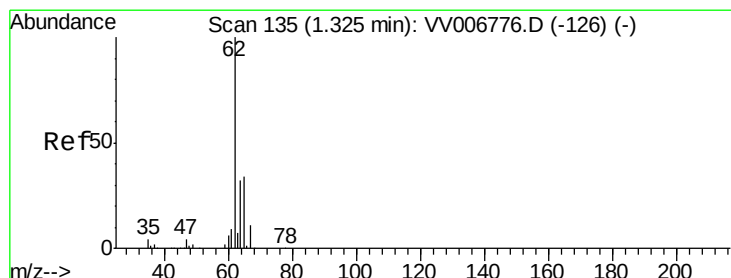
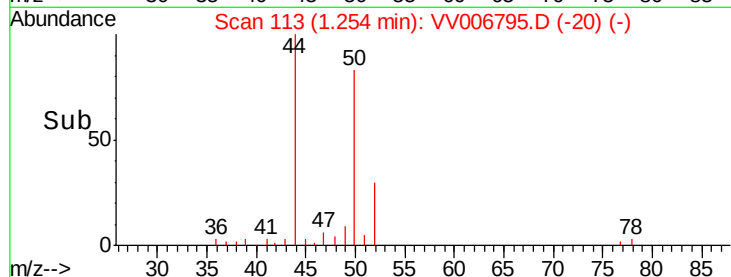
6000

4000

2000

0

Time-->



#5

Vinyl chloride

Concen: 4.234 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006795.D

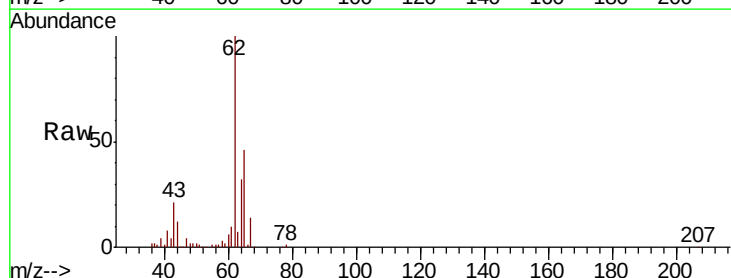
Acq: 31 Jul 2018 19:26

Tgt Ion: 62 Resp: 82361

Ion Ratio Lower Upper

62 100

64 32.3 26.5 49.3



Abundance Ion 62.00 (61.70 to 62.70): VV006776.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV006795.D (-42) (-)

1.32

80000

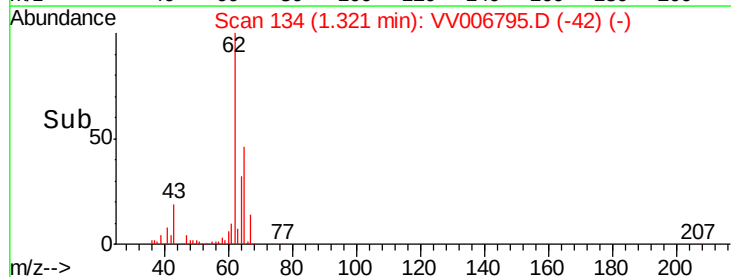
60000

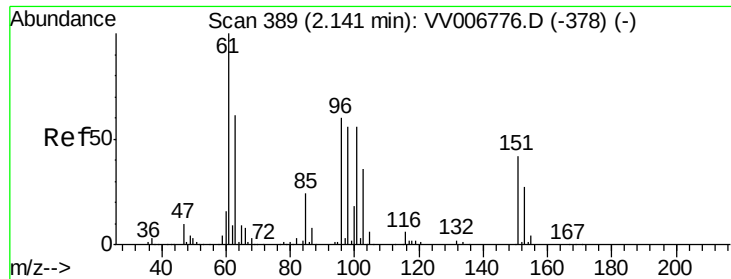
40000

20000

0

Time-->

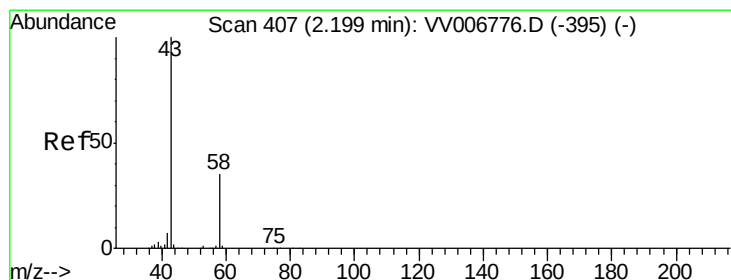
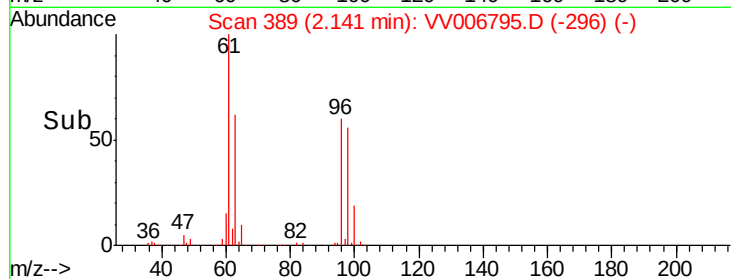
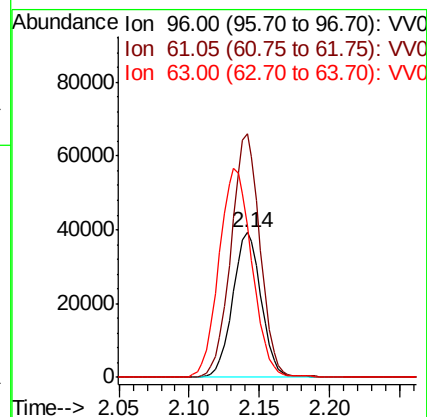
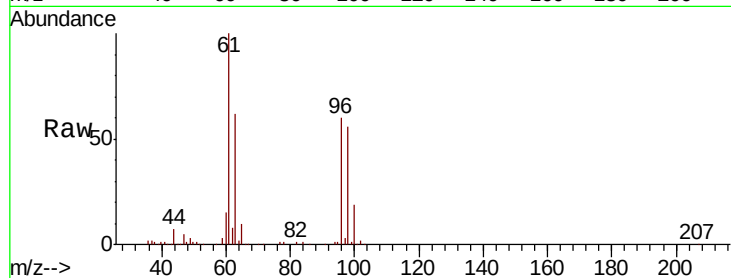




#12
 1,1-Dichloroethene
 Concen: 4.167 ug/L
 RT: 2.14 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VV006795.D
 Acq: 31 Jul 2018 19:26

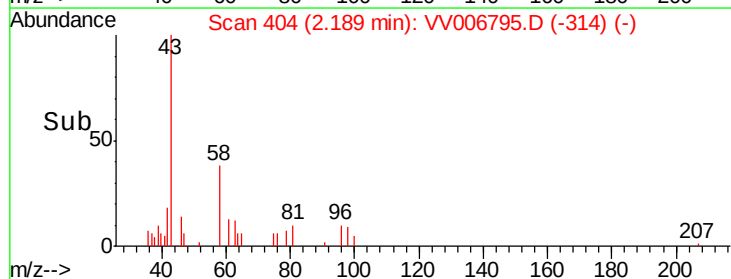
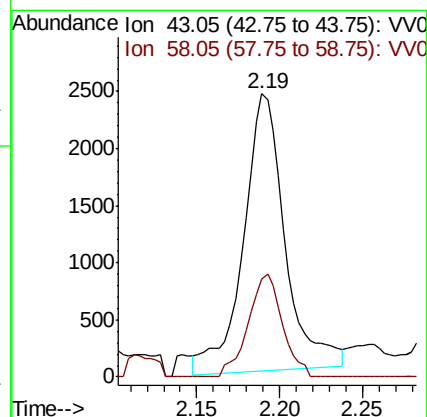
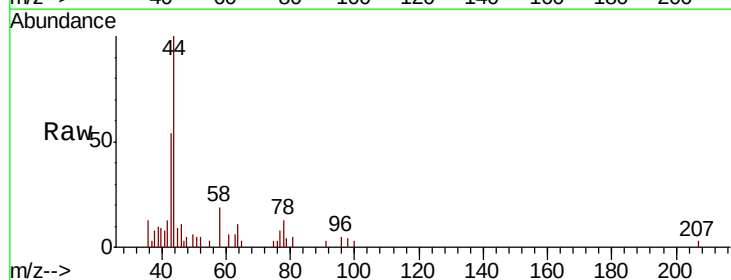
Instrument :
 MSVOA_V
 ClientSampleId :

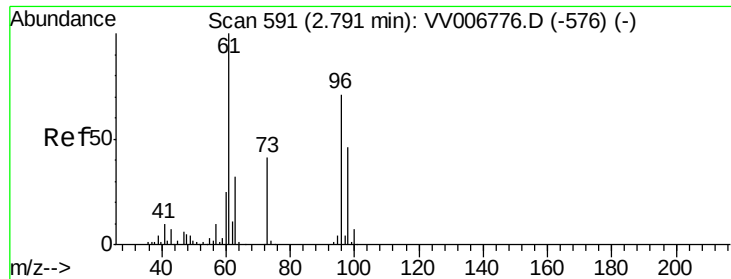
Tot Ion: 96 Resp: 55483
 Ion Ratio Lower Upper
 96 100
 61 168.0 113.5 210.9
 63 104.8 69.5 129.1



#13
 Acetone
 Concen: 2.028 ug/L
 RT: 2.19 min Scan# 404
 Delta R.T. -0.01 min
 Lab File: VV006795.D
 Acq: 31 Jul 2018 19:26

Tgt Ion: 43 Resp: 4265
 Ion Ratio Lower Upper
 43 100
 58 30.2 0.0 71.4





#18

trans-1,2-Dichloroethene

Concen: 1.403 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006795.D

Acq: 31 Jul 2018 19:26

Instrument :

MSVOA_V

ClientSampleId :

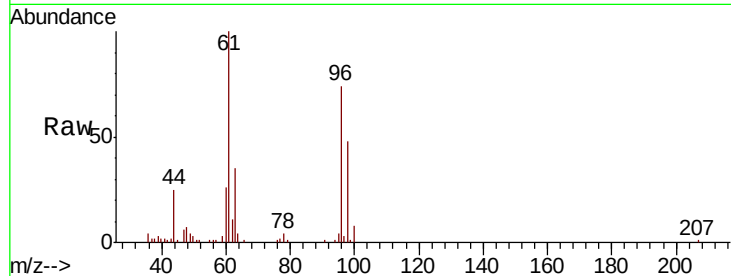
Tot Ion: 96 Resp: 20287

Ion Ratio Lower Upper

96 100

61 134.9 98.5 182.9

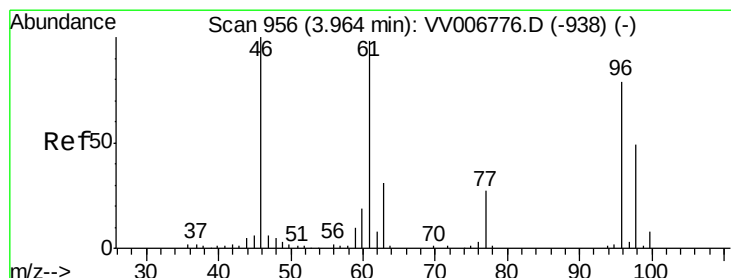
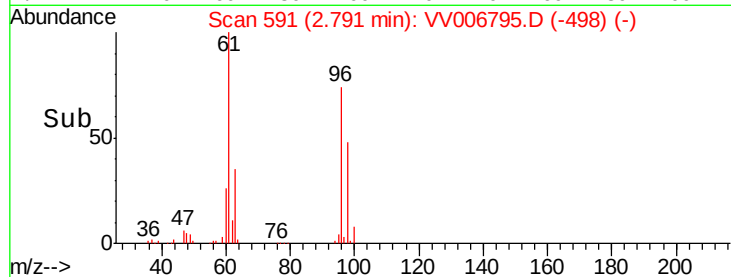
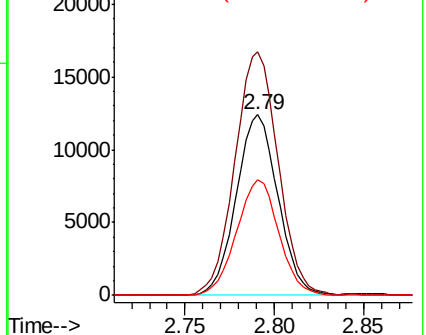
98 64.3 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 73.316 ug/L

RT: 3.96 min Scan# 956

Delta R.T. -0.00 min

Lab File: VV006795.D

Acq: 31 Jul 2018 19:26

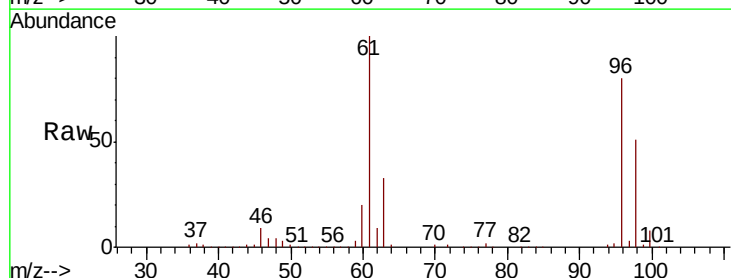
Tgt Ion: 96 Resp: 1105718

Ion Ratio Lower Upper

96 100

61 124.3 85.5 158.9

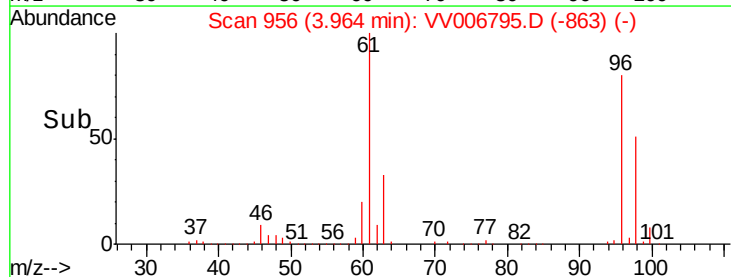
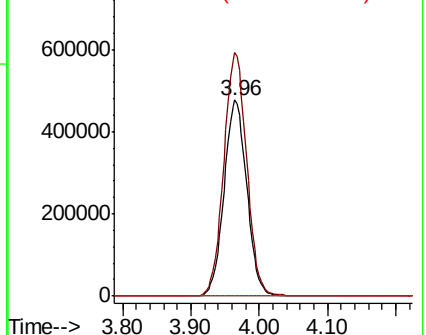
68 0.0 0.0 0.0

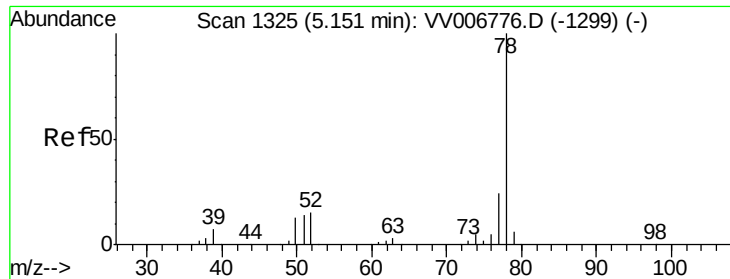


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#33

Benzene

Concen: 4.843 ug/L

RT: 5.15 min Scan# 1325

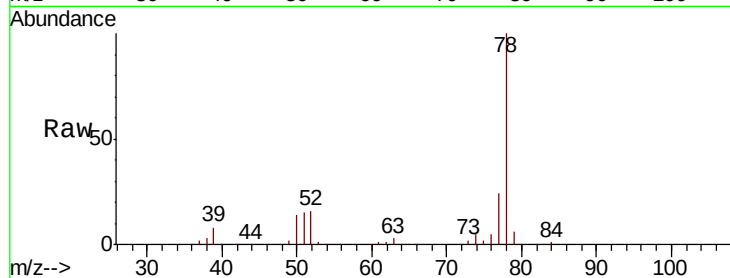
Delta R.T. -0.00 min

Lab File: VV006795.D

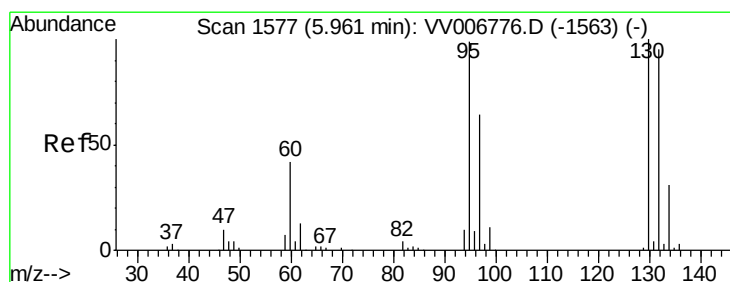
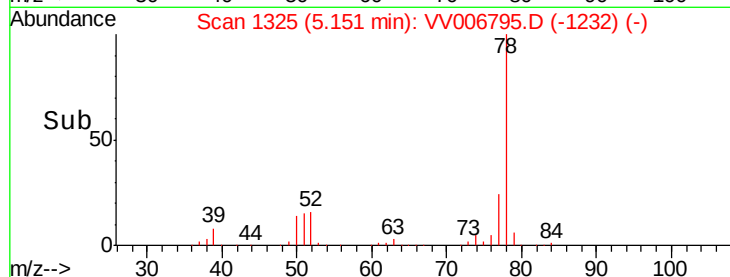
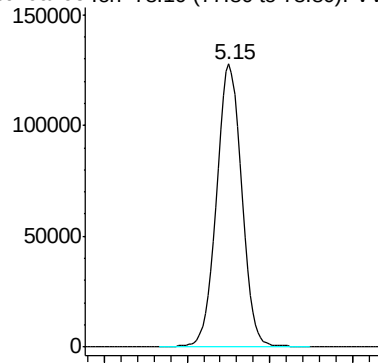
Acq: 31 Jul 2018 19:26

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 269826



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.783 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006795.D

Acq: 31 Jul 2018 19:26

Tgt Ion: 95 Resp: 95414

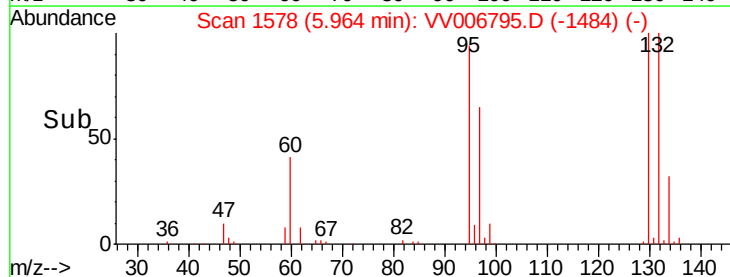
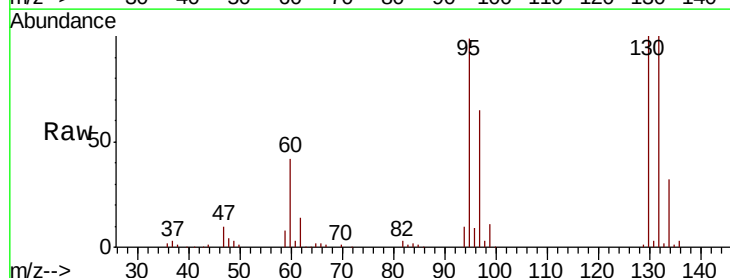
Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.9	83.3
132	101.4	68.9	127.9
130	101.4	73.4	136.4

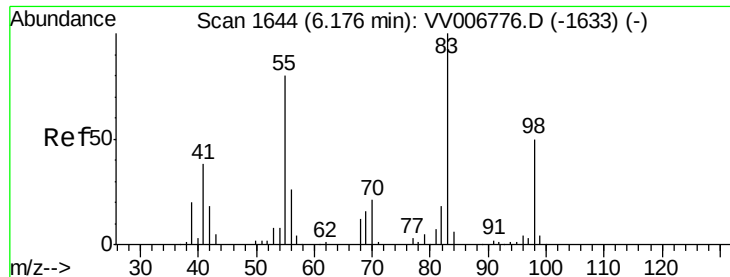
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

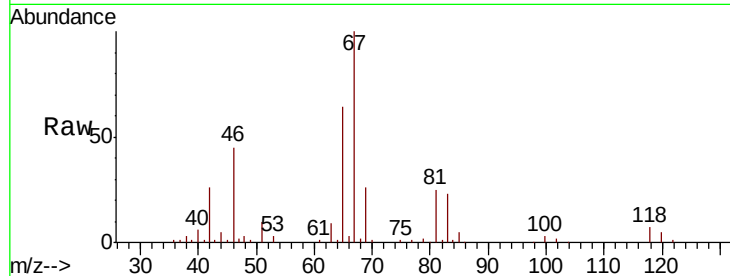




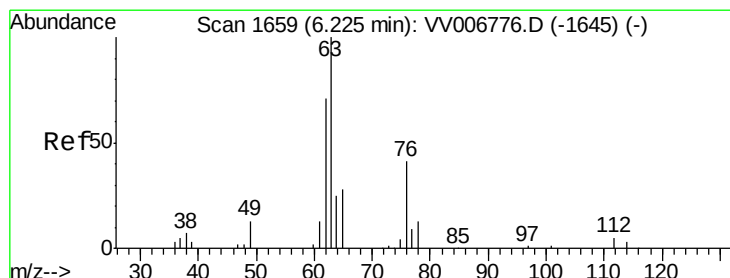
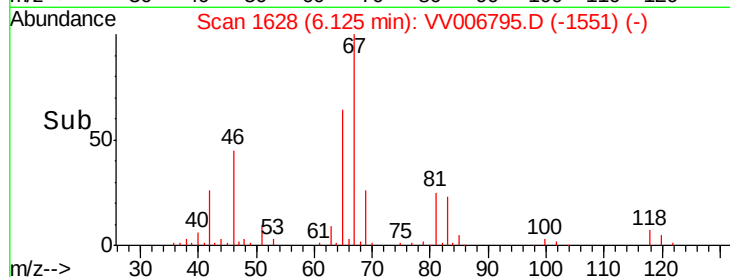
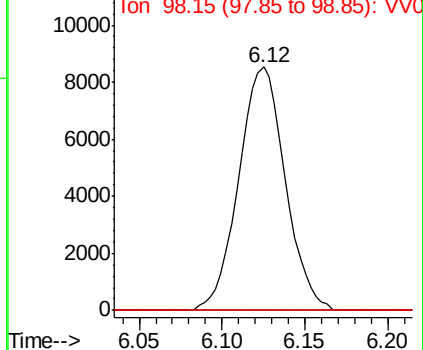
#35
Methylcyclohexane
Concen: 0.709 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV006795.D
Acq: 31 Jul 2018 19:26

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 16654
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.7 59.5#

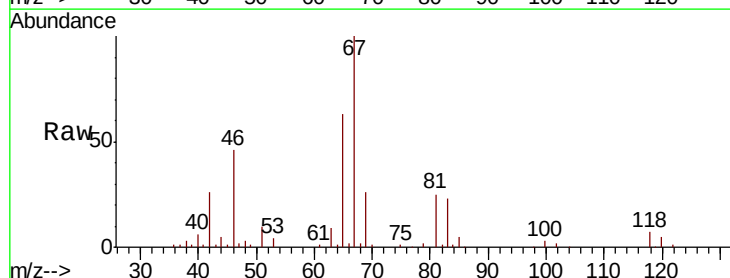


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

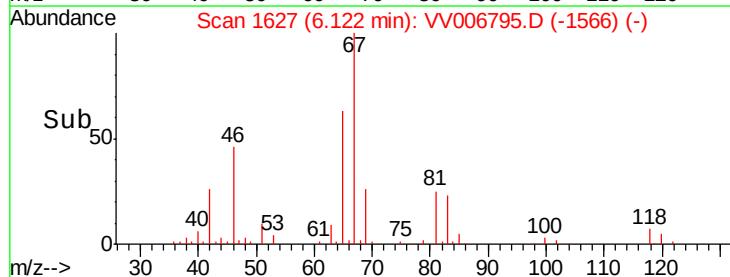
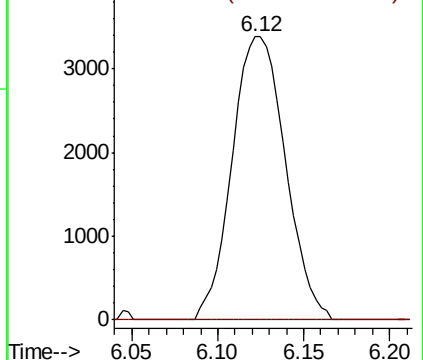


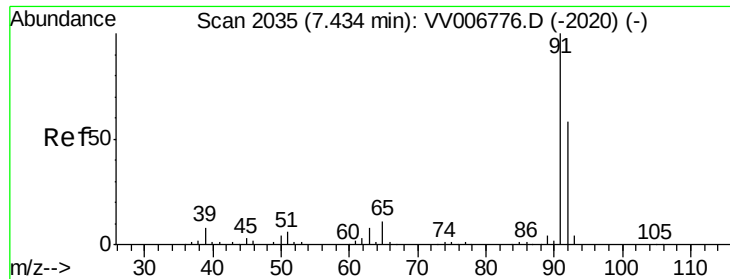
#37
1,2-Dichloropropane
Concen: 0.509 ug/L
RT: 6.12 min Scan# 1627
Delta R.T. -0.10 min
Lab File: VV006795.D
Acq: 31 Jul 2018 19:26

Tgt Ion: 63 Resp: 7279
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 4.784 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006795.D

Acq: 31 Jul 2018 19:26

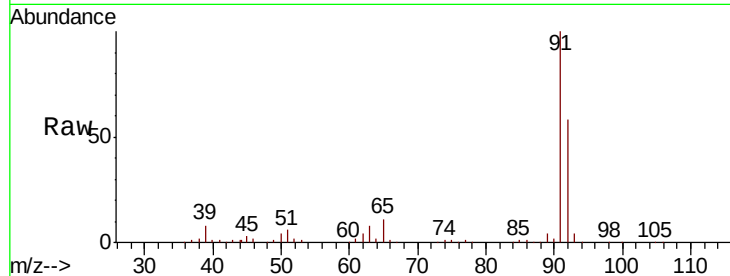
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 274494

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV006776.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VV006776.D (-2020) (-)

7.44

150000

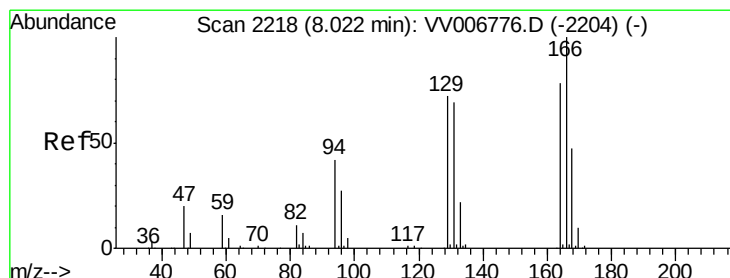
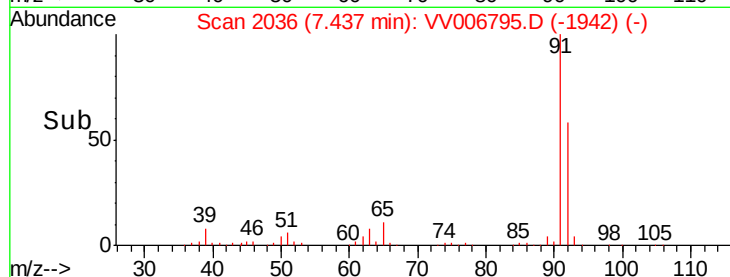
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#47

Tetrachloroethene

Concen: 1.119 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006795.D

Acq: 31 Jul 2018 19:26

Tgt Ion:164 Resp: 12503

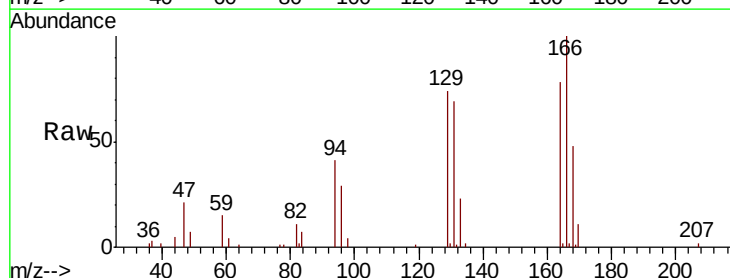
Ion Ratio Lower Upper

164 100

129 94.4 65.0 120.8

131 88.7 61.9 115.1

166 128.4 89.3 165.9



Abundance Ion 163.90 (163.60 to 164.60): VV006776.D (-2204) (-)

Ion 128.95 (128.65 to 129.65): VV006776.D (-2204) (-)

Ion 130.95 (130.65 to 131.65): VV006776.D (-2204) (-)

Ion 165.90 (165.60 to 166.60): VV006776.D (-2204) (-)

15000

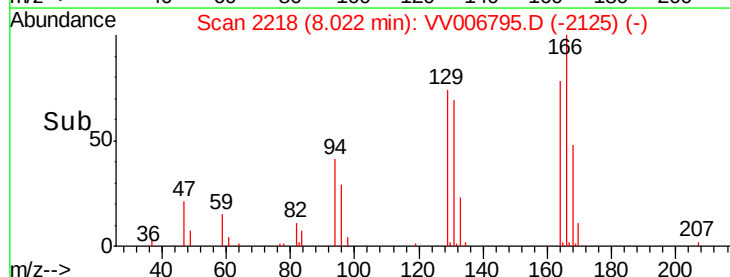
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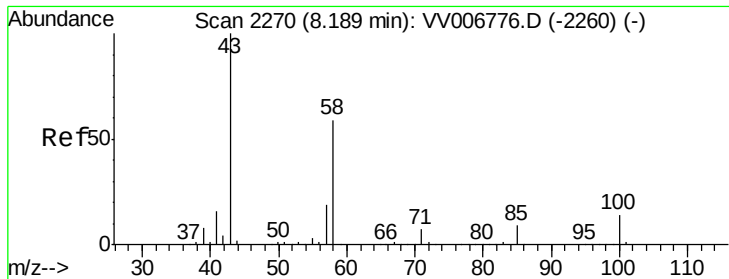
5000

0

7.95 8.00 8.05

Time-->

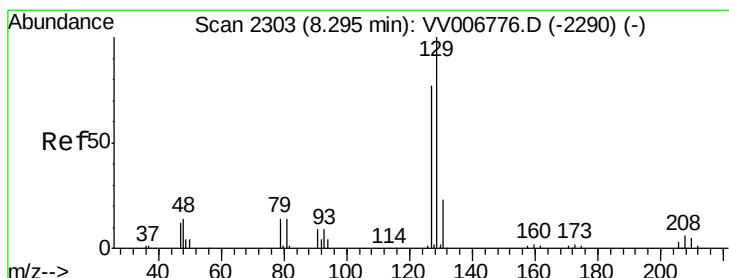
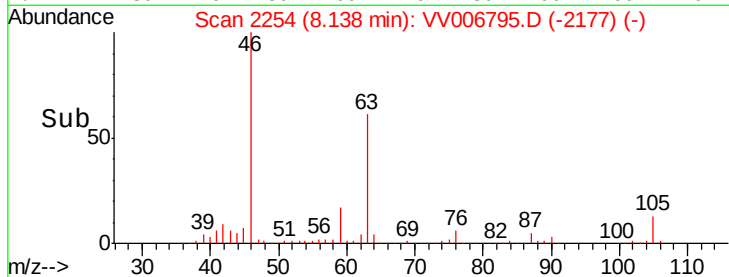
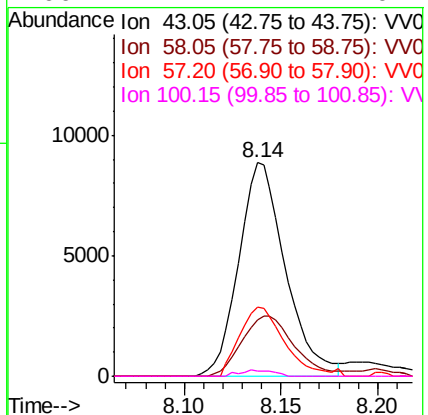
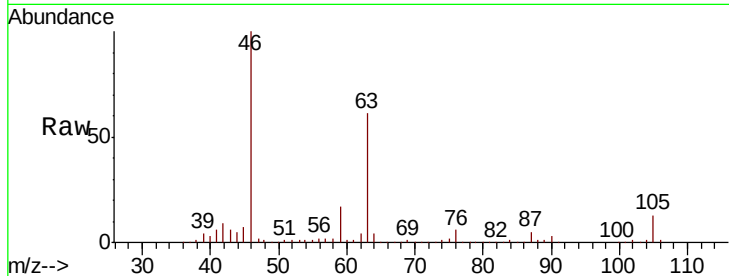




#48
2-Hexanone
Concen: 2.713 ug/L
RT: 8.14 min Scan# 2254
Delta R.T. -0.05 min
Lab File: VV006795.D
Acq: 31 Jul 2018 19:26

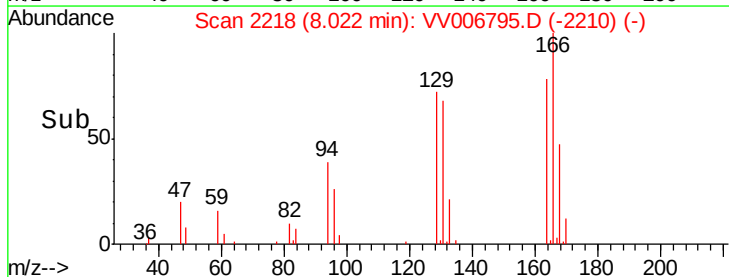
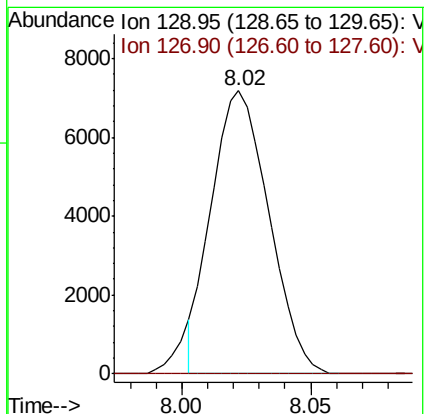
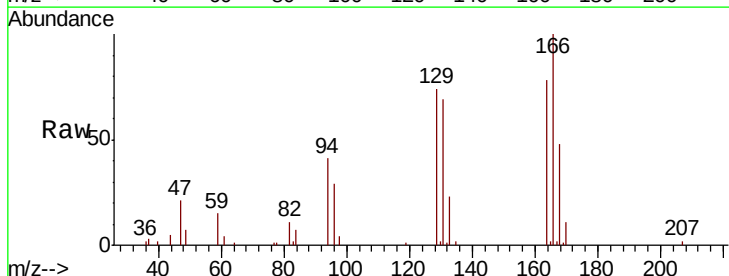
Instrument :
MSVOA_V
ClientSampleId :

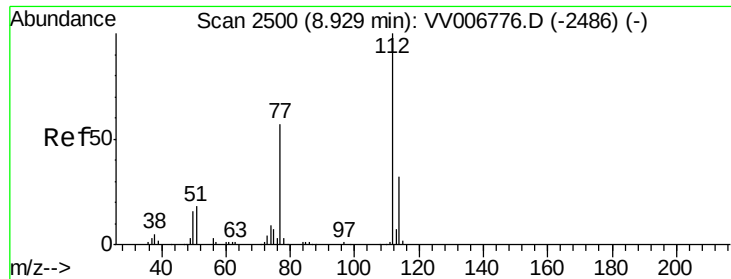
Tot Ion	Ratio	Lower	Upper
43	100		
58	31.6	47.2	70.8#
57	31.3	16.1	24.1#
100	2.2	11.1	16.7#



#49
Dibromochloromethane
Concen: 1.095 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. -0.27 min
Lab File: VV006795.D
Acq: 31 Jul 2018 19:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.5	99.5#





#51
 Chlorobenzene
 Concen: 4.927 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV006795.D
 Acq: 31 Jul 2018 19:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	112	Resp:	183875
Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.5	41.9
77	58.6	46.2	69.2

