

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073118\
 Data File : VV006794.D
 Acq On : 31 Jul 2018 18:59
 Operator : SY/MD
 Sample : J4225-13MS
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 01 01:47:21 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	210111	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	191523	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	82698	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43656	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.57	69	42851	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.13	63	92663	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	3.95	46	176201	51.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.14%
24) Chloroform-d	4.40	84	104981	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.09	65	54078	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.10	84	208879	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.12	67	72142	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.40%
41) Toluene-d8	7.36	98	169850	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.67	79	22164	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.14	63	136441	49.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.32%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	55476	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	65905	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	9952	0.620	ug/L	92
5) Vinyl chloride	1.32	62	95003	4.725	ug/L	92
8) Chloroethane	1.32	64	30407	2.763	ug/L #	49
12) 1,1-Dichloroethene	2.14	96	56321	4.092	ug/L	97
13) Acetone	2.19	43	9004	4.142	ug/L	98
15) Methyl Acetate	2.31	43	17910	2.779	ug/L #	51
18) trans-1,2-Dichloroethene	2.79	96	23128	1.547	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	1246222	79.941	ug/L	97
33) Benzene	5.15	78	276554	4.803	ug/L	100
34) Trichloroethene	5.96	95	99053	6.815	ug/L	99
35) Methylcyclohexane	6.12	83	16684	0.687	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	7191	0.487	ug/L #	86
42) Toluene	7.44	91	279748	4.718	ug/L	100
47) Tetrachloroethene	8.02	164	12398	1.074	ug/L	98
49) Dibromochloromethane	8.02	129	11065	1.050	ug/L #	11
51) Chlorobenzene	8.93	112	189800	4.922	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073118\
Data File : VV006794.D
Acq On : 31 Jul 2018 18:59
Operator : SY/MD
Sample : J4225-13MS
Misc : 25 mL/MSVOA V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Aug 01 01:47:21 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

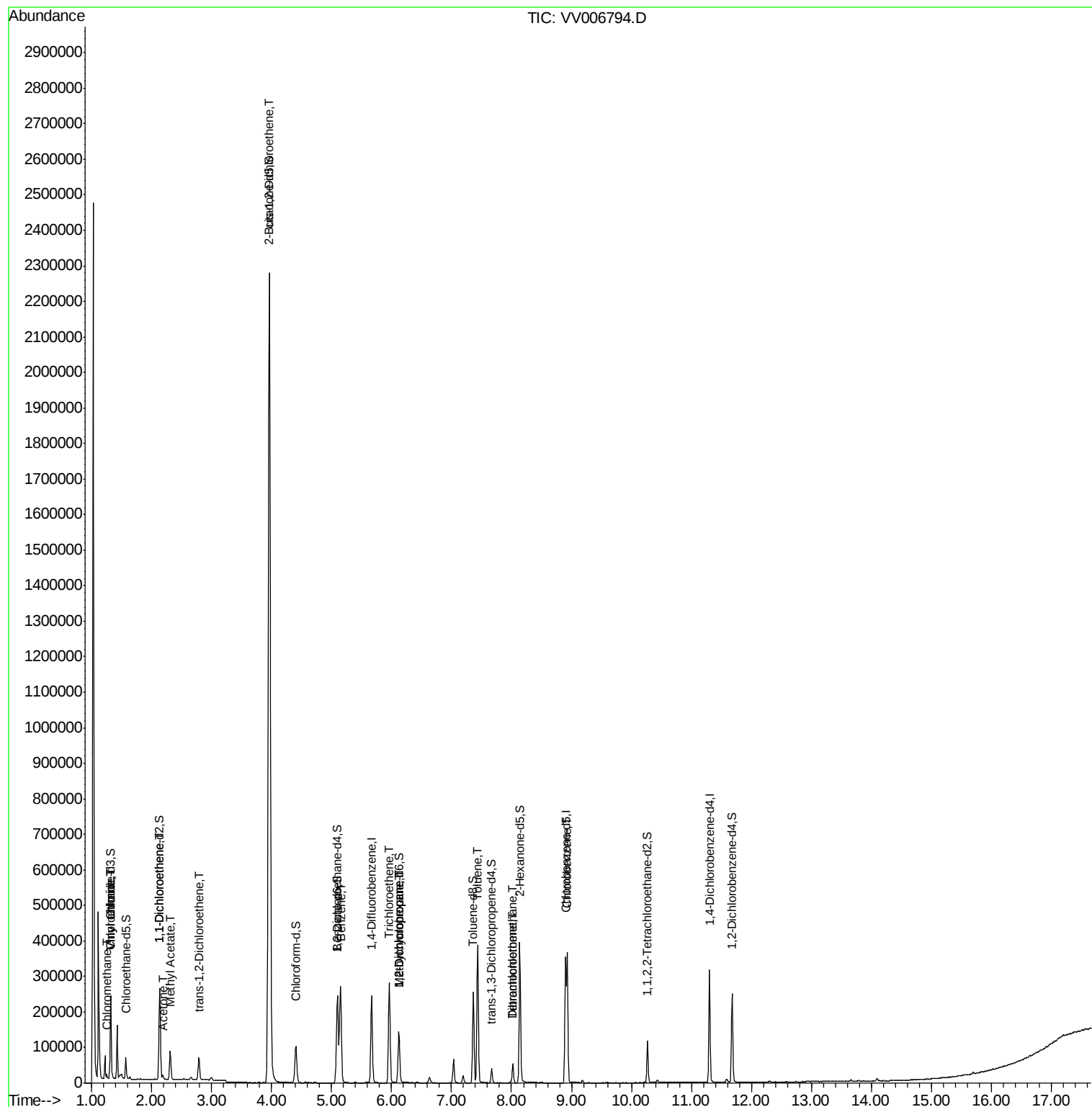
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

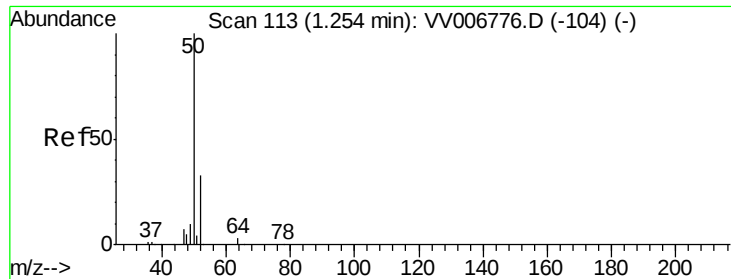
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073118\
Data File : VV006794.D
Acq On : 31 Jul 2018 18:59
Operator : SY/MD
Sample : J4225-13MS
Misc : 25 mL/MSVOA V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Aug 01 01:47:21 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





#3

Chloromethane

Concen: 0.620 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006794.D

Acq: 31 Jul 2018 18:59

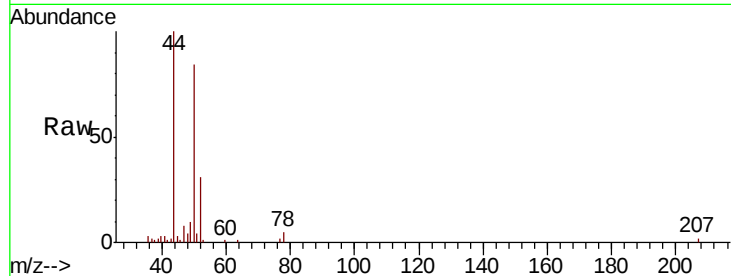
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 9952

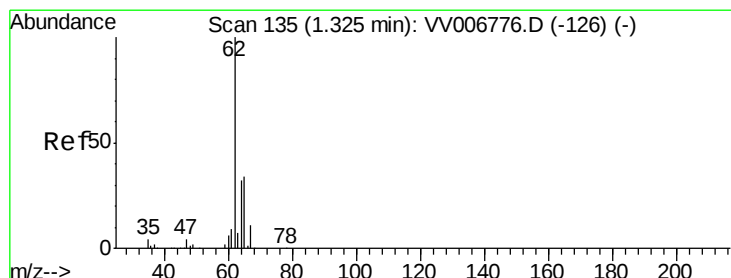
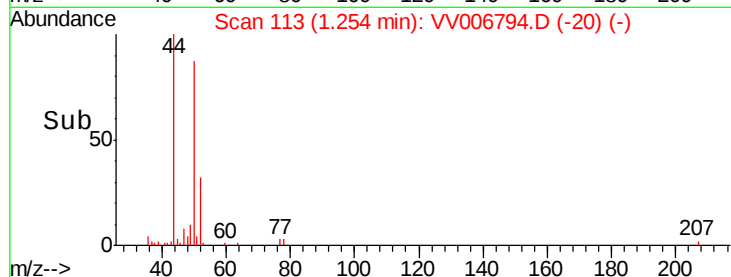
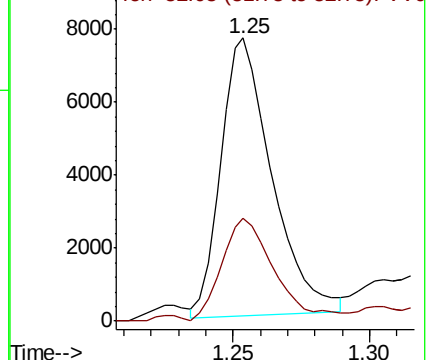
Ion Ratio Lower Upper

50 100

52 36.2 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 4.725 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006794.D

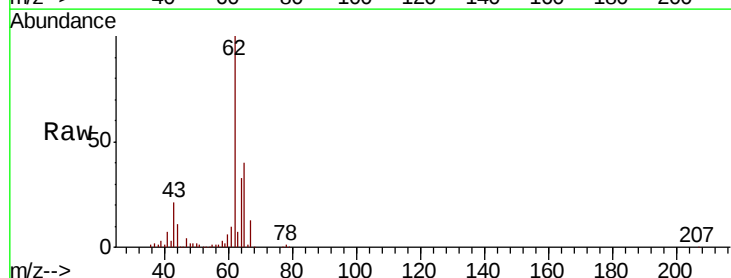
Acq: 31 Jul 2018 18:59

Tgt Ion: 62 Resp: 95003

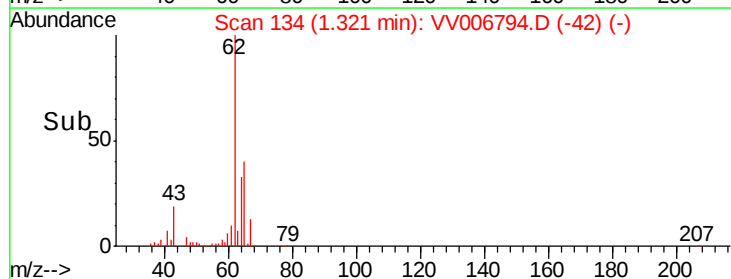
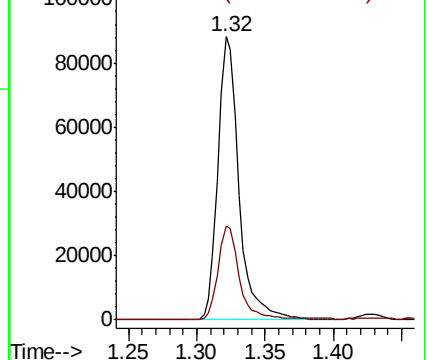
Ion Ratio Lower Upper

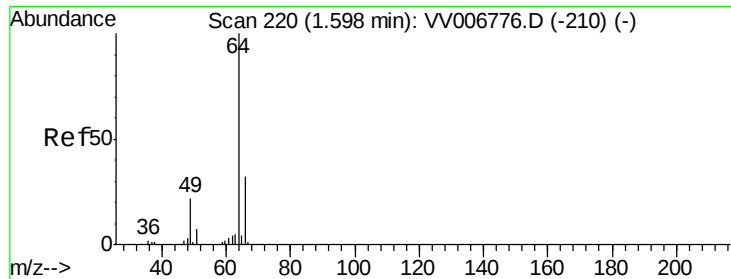
62 100

64 33.4 26.5 49.3



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 2.763 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.28 min

Lab File: VV006794.D

Acq: 31 Jul 2018 18:59

Instrument :

MSVOA_V

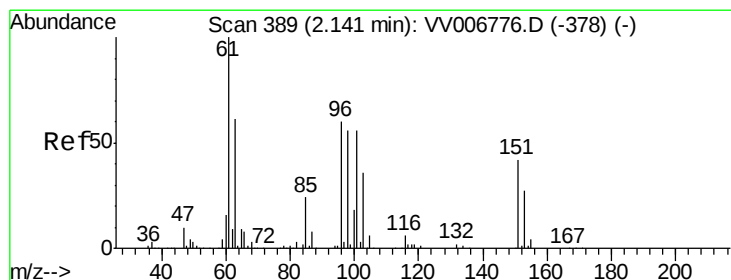
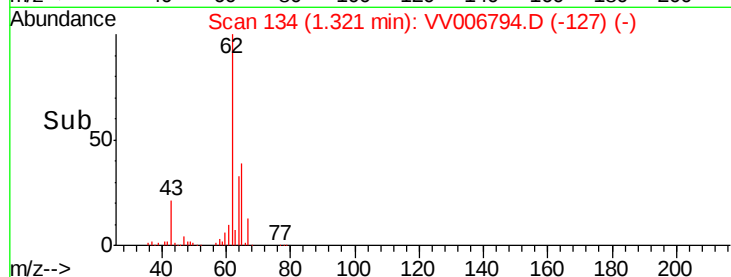
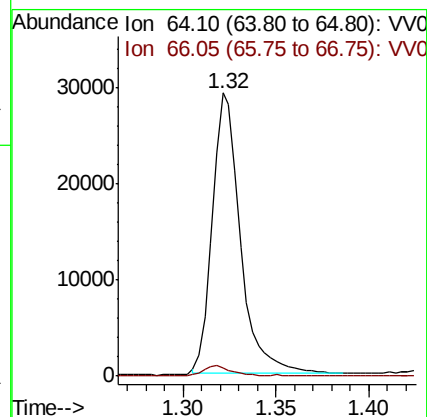
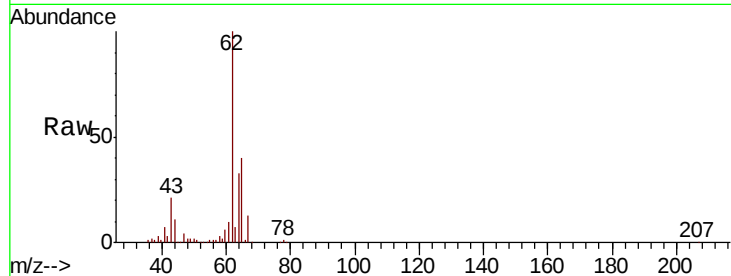
ClientSampleId :

Tot Ion: 64 Resp: 30407

Ion Ratio Lower Upper

64 100

66 3.1 21.8 40.4#



#12

1,1-Dichloroethene

Concen: 4.092 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006794.D

Acq: 31 Jul 2018 18:59

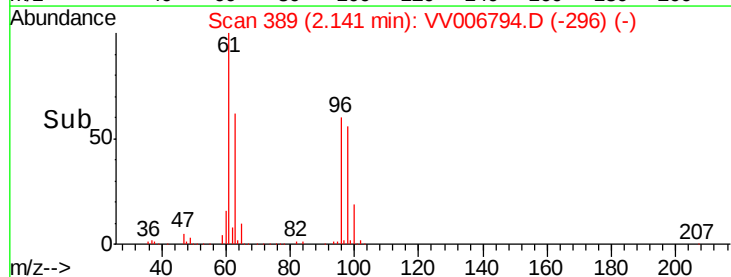
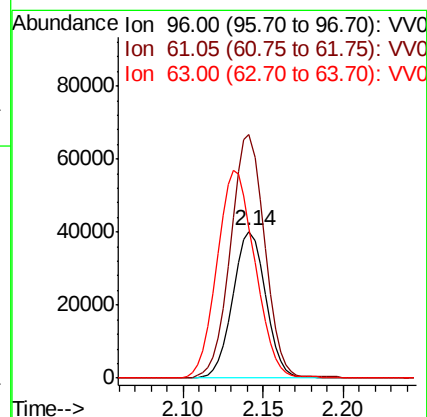
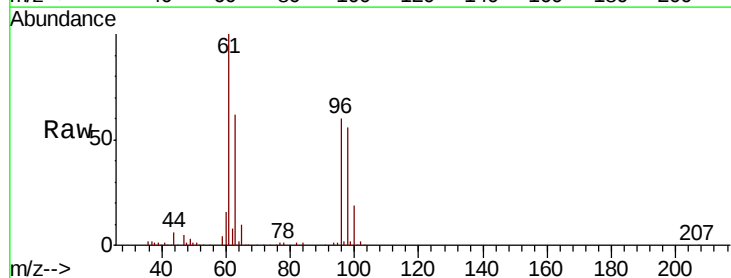
Tgt Ion: 96 Resp: 56321

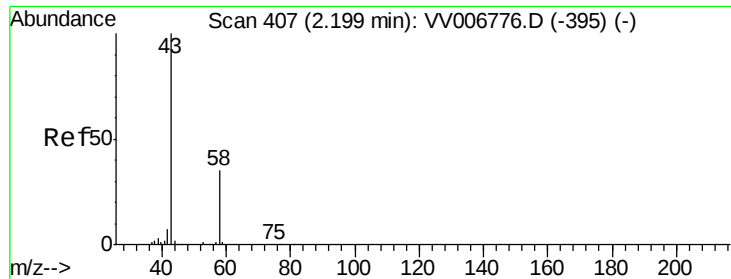
Ion Ratio Lower Upper

96 100

61 166.1 113.5 210.9

63 102.9 69.5 129.1

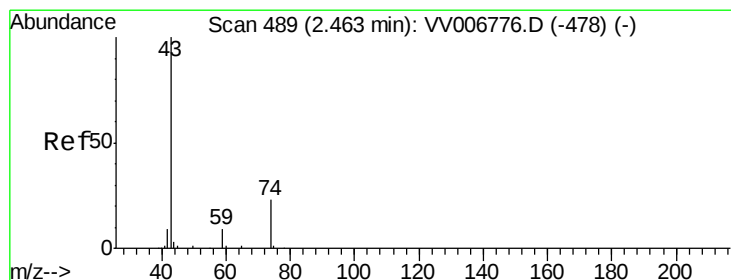
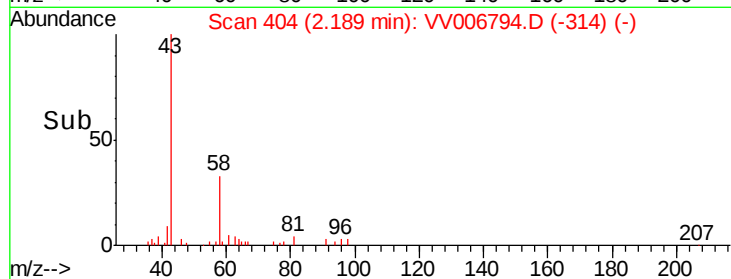
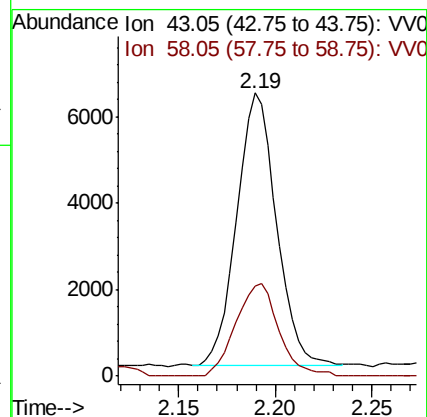
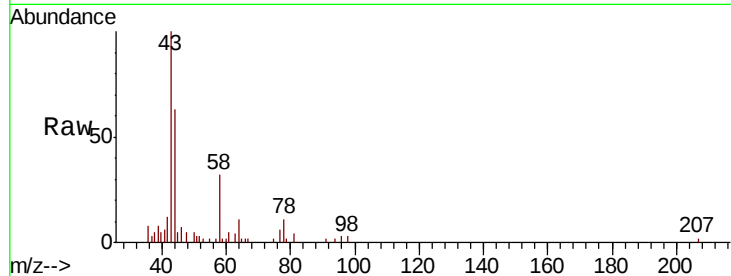




#13
Acetone
Concen: 4.142 ug/L
RT: 2.19 min Scan# 404
Delta R.T. -0.01 min
Lab File: VV006794.D
Acq: 31 Jul 2018 18:59

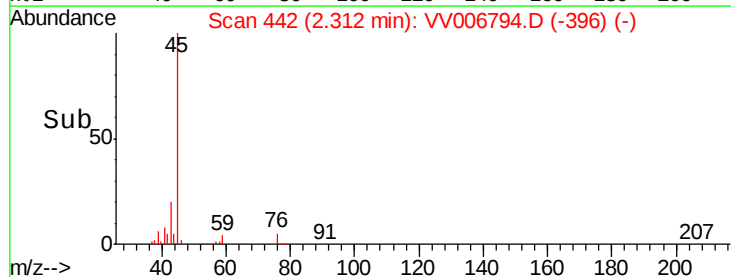
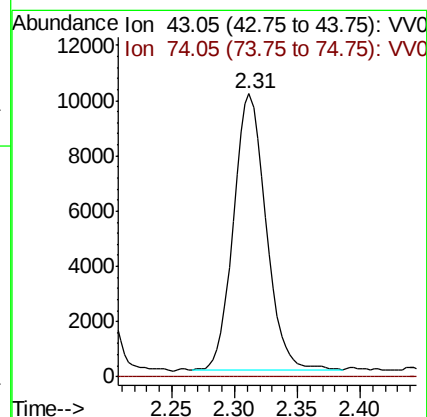
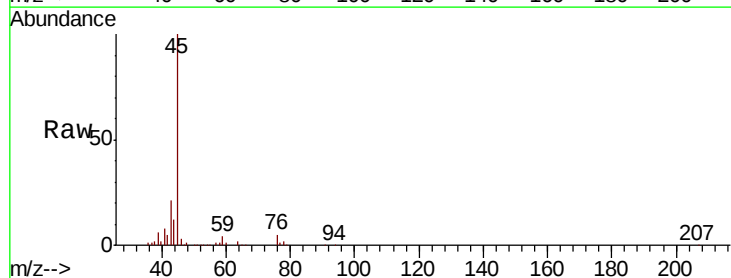
Instrument :
MSVOA_V
ClientSampleId :

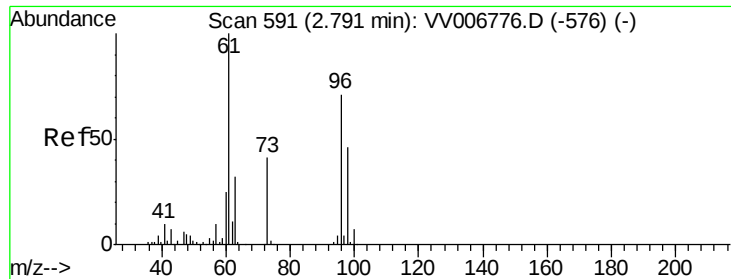
Tot Ion: 43 Resp: 9004
Ion Ratio Lower Upper
43 100
58 36.8 0.0 71.4



#15
Methyl Acetate
Concen: 2.779 ug/L
RT: 2.31 min Scan# 442
Delta R.T. -0.15 min
Lab File: VV006794.D
Acq: 31 Jul 2018 18:59

Tgt Ion: 43 Resp: 17910
Ion Ratio Lower Upper
43 100
74 0.8 20.6 31.0#





#18

trans-1,2-Dichloroethene

Concen: 1.547 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006794.D

Acq: 31 Jul 2018 18:59

Instrument :

MSVOA_V

ClientSampled :

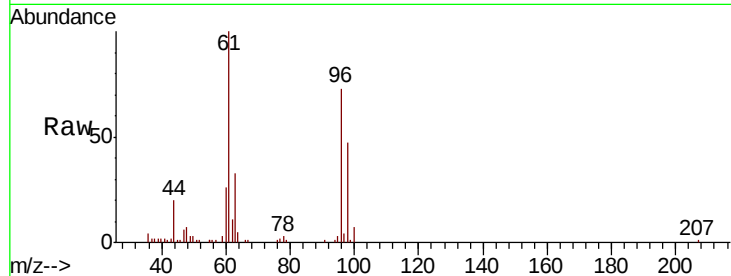
Tot Ion: 96 Resp: 23128

Ion Ratio Lower Upper

96 100

61 136.3 98.5 182.9

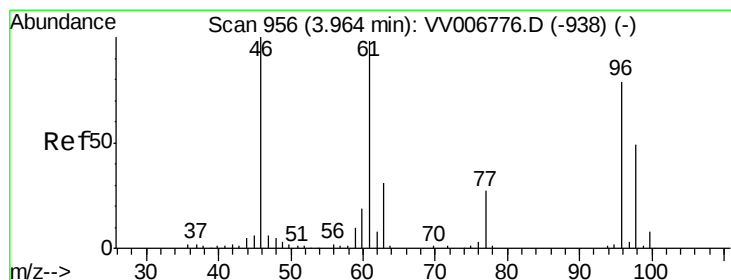
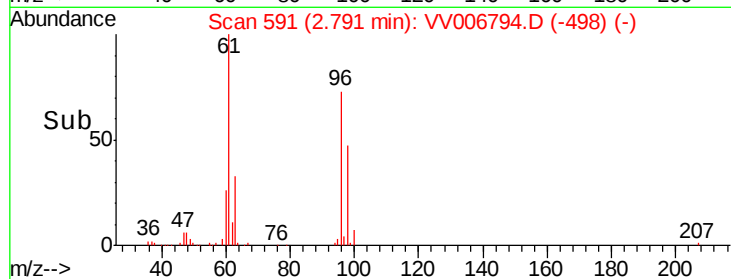
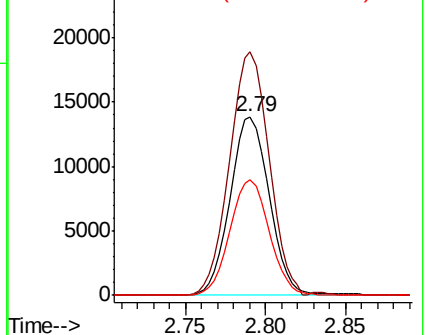
98 64.5 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VV006776.D (-576) (-)

Ion 61.05 (60.75 to 61.75): VV006776.D (-576) (-)

Ion 97.95 (97.65 to 98.65): VV006776.D (-576) (-)



#22

cis-1,2-Dichloroethene

Concen: 79.941 ug/L

RT: 3.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VV006794.D

Acq: 31 Jul 2018 18:59

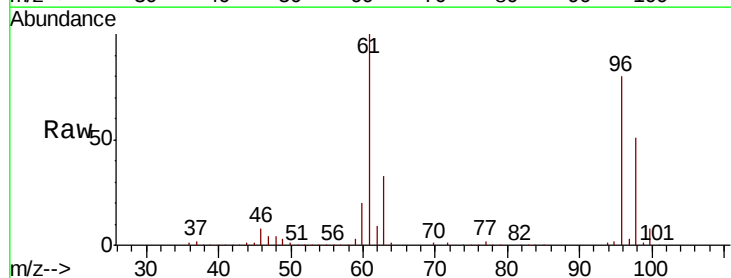
Tgt Ion: 96 Resp: 1246222

Ion Ratio Lower Upper

96 100

61 125.4 85.5 158.9

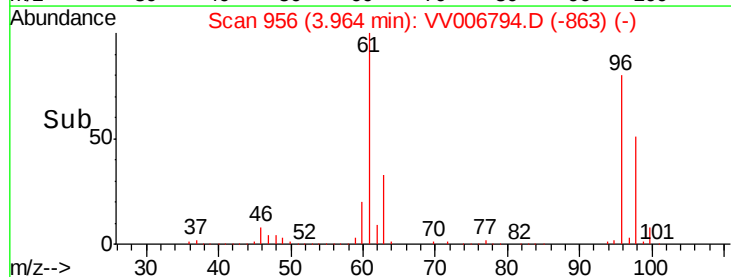
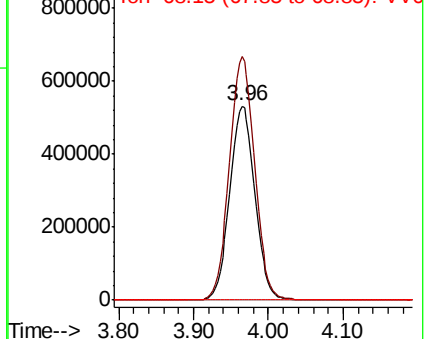
68 0.0 0.0 0.0

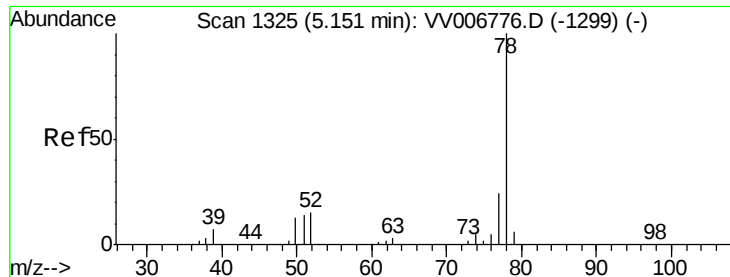


Abundance Ion 96.00 (95.70 to 96.70): VV006776.D (-938) (-)

Ion 61.05 (60.75 to 61.75): VV006776.D (-938) (-)

Ion 68.15 (67.85 to 68.85): VV006776.D (-938) (-)





#33

Benzene

Concen: 4.803 ug/L

RT: 5.15 min Scan# 1325

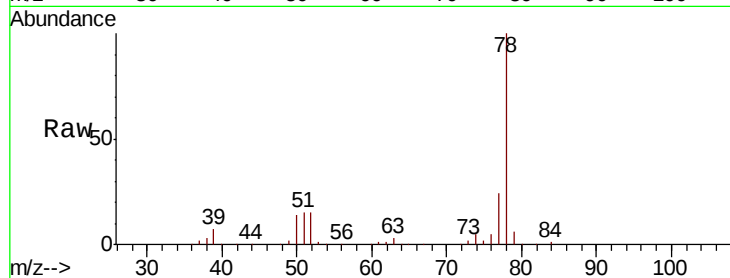
Delta R.T. 0.00 min

Lab File: VV006794.D

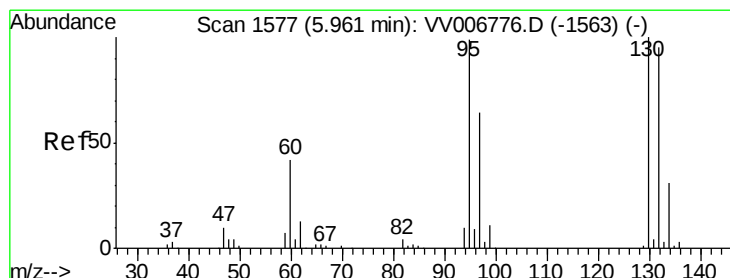
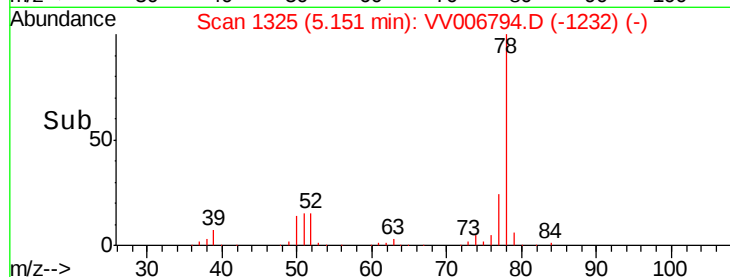
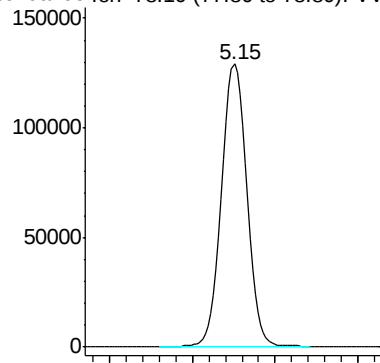
Acq: 31 Jul 2018 18:59

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 276554



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.815 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006794.D

Acq: 31 Jul 2018 18:59

Tgt Ion: 95 Resp: 99053

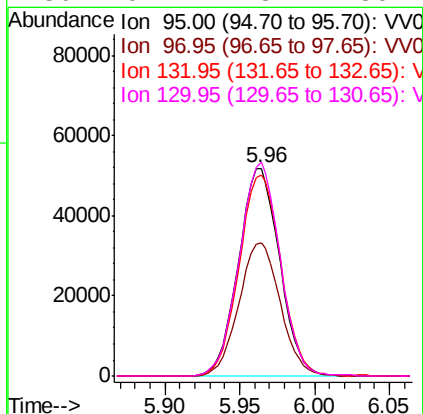
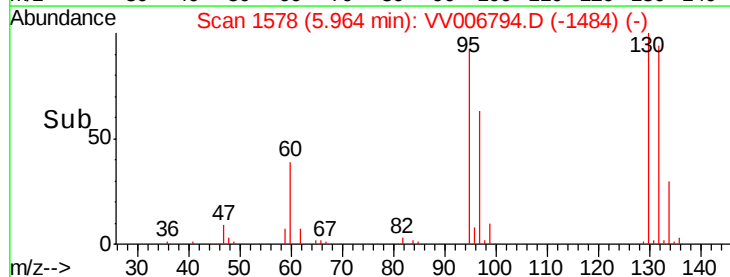
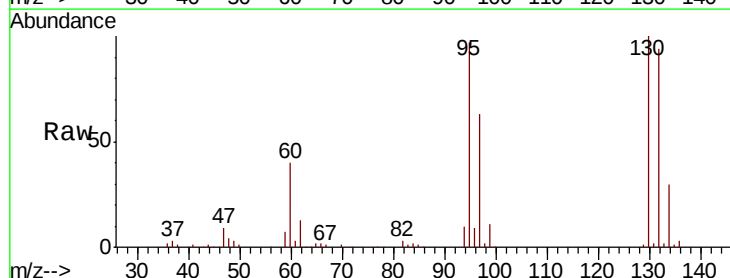
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.9	83.3
132	96.9	68.9	127.9
130	102.7	73.4	136.4

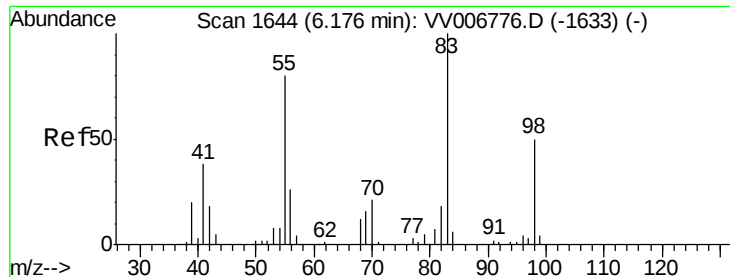
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

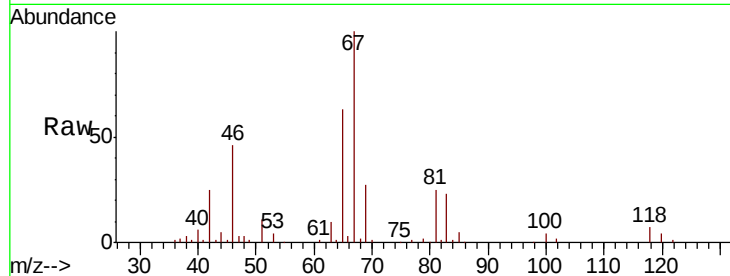




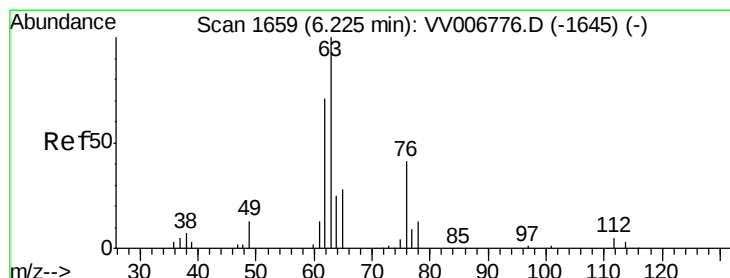
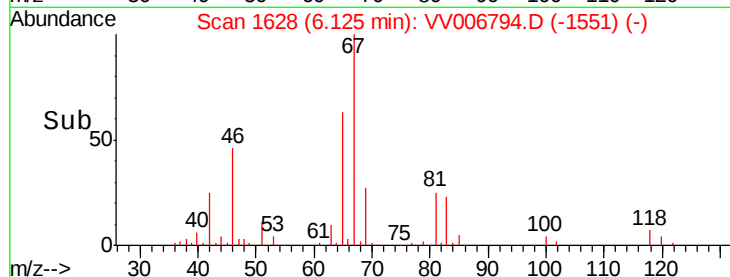
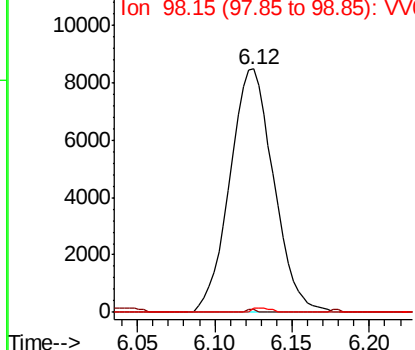
#35
Methvlcvclohexane
Concen: 0.687 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV006794.D
Acq: 31 Jul 2018 18:59

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 16684
Ion Ratio Lower Upper
83 100
55 0.2 61.9 92.9#
98 0.0 39.7 59.5#

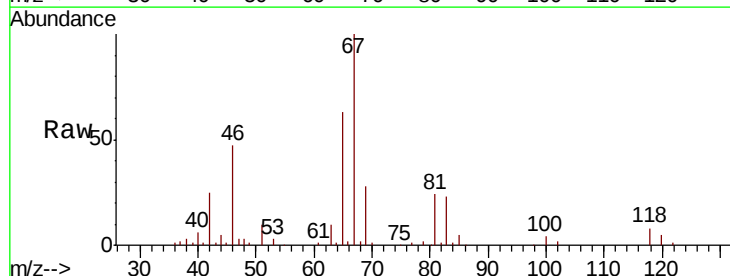


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

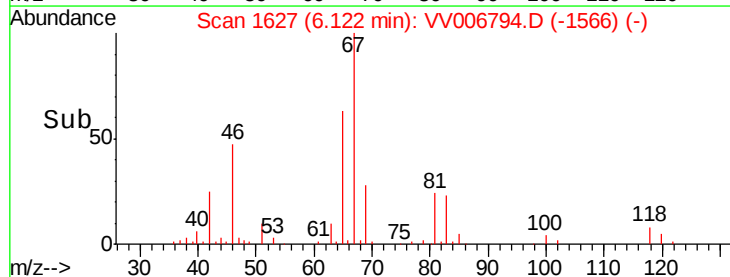
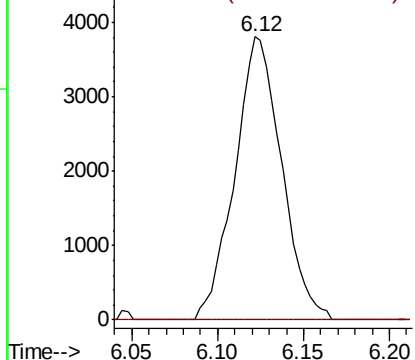


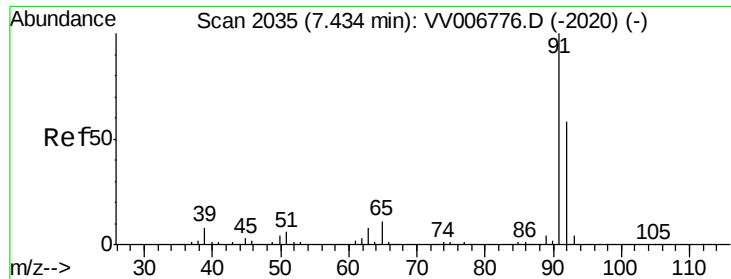
#37
1,2-Dichloropropane
Concen: 0.487 ug/L
RT: 6.12 min Scan# 1627
Delta R.T. -0.10 min
Lab File: VV006794.D
Acq: 31 Jul 2018 18:59

Tgt Ion: 63 Resp: 7191
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: 4.718 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006794.D

Acq: 31 Jul 2018 18:59

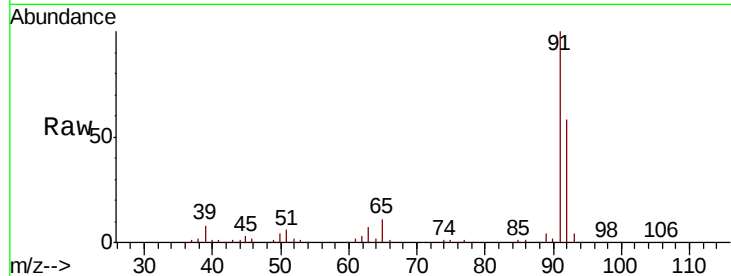
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 279748

Ion Ratio Lower Upper

91 100

92 57.8 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

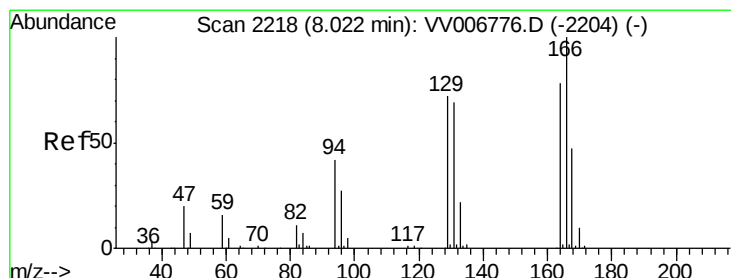
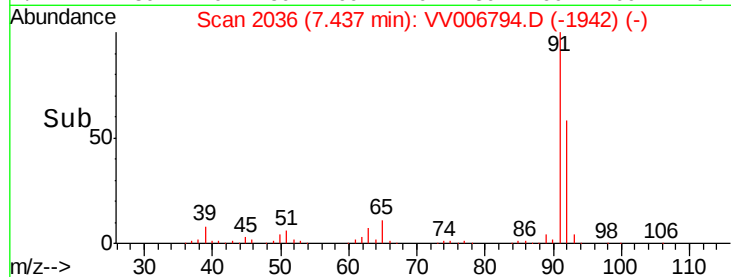
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 1.074 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006794.D

Acq: 31 Jul 2018 18:59

Tgt Ion: 164 Resp: 12398

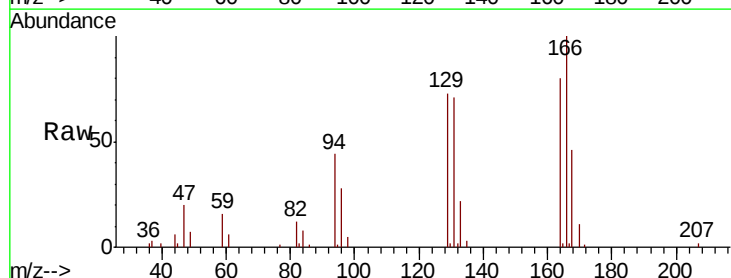
Ion Ratio Lower Upper

164 100

129 90.8 65.0 120.8

131 88.6 61.9 115.1

166 124.8 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) (-)

8.02

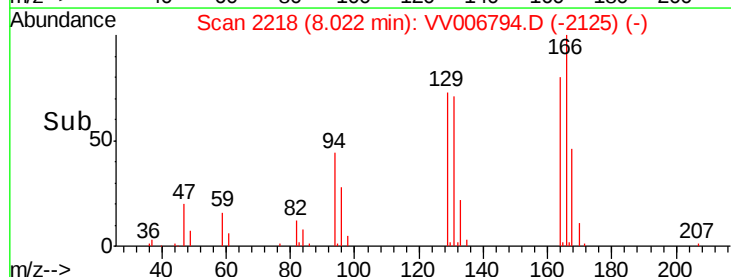
15000

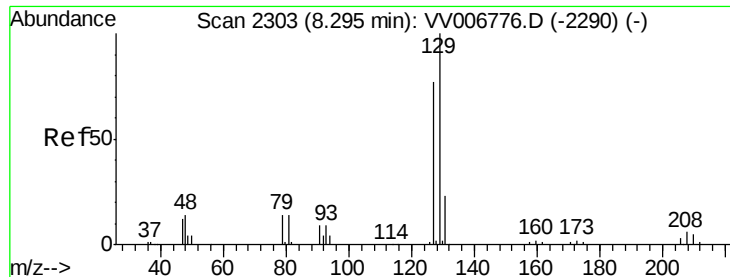
10000

5000

0

Time-->





#49

Dibromochloromethane

Concen: 1.050 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.27 min

Lab File: VV006794.D

Acq: 31 Jul 2018 18:59

Instrument :

MSVOA_V

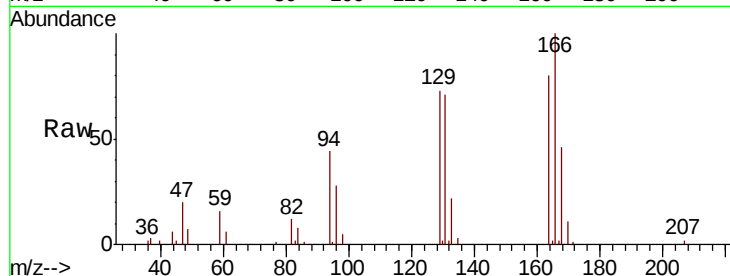
ClientSampleId :

Tot Ion:129 Resp: 11065

Ion Ratio Lower Upper

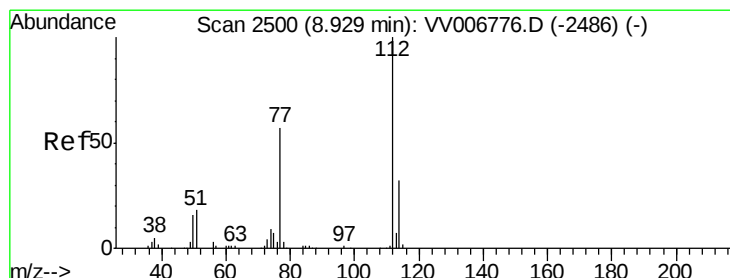
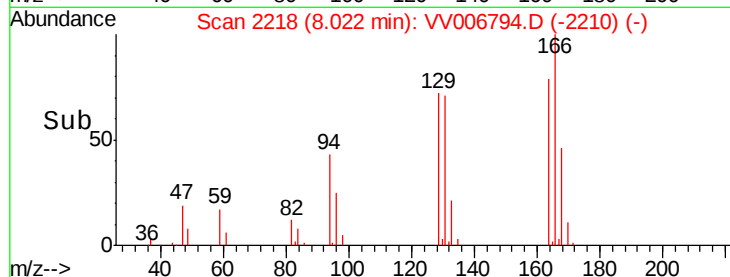
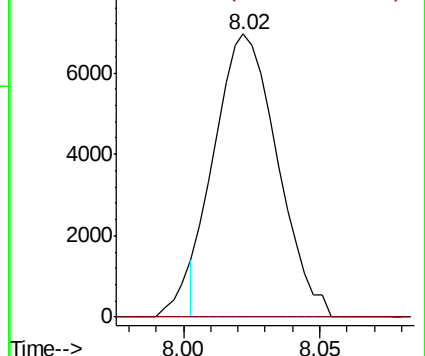
129 100

127 0.0 53.5 99.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#51

Chlorobenzene

Concen: 4.922 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VV006794.D

Acq: 31 Jul 2018 18:59

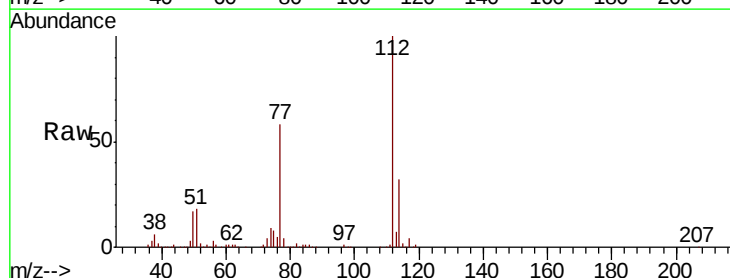
Tgt Ion:112 Resp: 189800

Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.9

77 58.3 46.2 69.2



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

