

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073118\
 Data File : VV006783.D
 Acq On : 31 Jul 2018 14:04
 Operator : SY/MD
 Sample : J4225-11
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 01 01:45:51 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	5.74	114	41	5.00	ug/L	0.08
28) Chlorobenzene-d5	9.03	117	165604	5.00	ug/L	0.13
60) 1,4-Dichlorobenzene-d4	11.34	152	87067	5.00	ug/L	0.04

System Monitoring Compounds

4) Vinyl Chloride-d3	1.47	65	48438	22701.78	ug/L	0.15
Spiked Amount	5.000	Range	40 - 130	Recovery	=	454035.60%#
7) Chloroethane-d5	1.85	69	34082	20343.82	ug/L	0.27
Spiked Amount	5.000	Range	65 - 130	Recovery	=	406876.40%#
11) 1,1-Dichloroethene-d2	2.10	63	39	9.32	ug/L	-0.04
Spiked Amount	5.000	Range	60 - 125	Recovery	=	186.40%#
20) 2-Butanone-d5	4.05	46	207	310.47	ug/L	0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	620.94%#
24) Chloroform-d	4.39	84	65	16.23	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	324.60%#
26) 1,2-Dichloroethane-d4	5.36	65	299	153.16	ug/L	0.28
Spiked Amount	5.000	Range	70 - 130	Recovery	=	3063.20%#
32) Benzene-d6	4.98	84	28267	0.83	ug/L	-0.12
Spiked Amount	5.000	Range	70 - 125	Recovery	=	16.60%#
36) 1,2-Dichloropropane-d6	6.12	67	186	0.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	0.40%#
41) Toluene-d8	7.63	98	125926	4.23	ug/L	0.26
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	7.55	79	6007	1.60	ug/L	-0.12
Spiked Amount	5.000	Range	55 - 130	Recovery	=	32.00%#
46) 2-Hexanone-d5	8.31	63	97229	40.92	ug/L	0.17
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.84%
57) 1,1,2,2-Tetrachloroethane-	10.32	84	44665	4.76	ug/L	0.05
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.71	152	70833	5.46	ug/L	0.03
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.35	50	306	97.685	ug/L #	43
6) Bromomethane	1.77	94	558	581.126	ug/L	94
8) Chloroethane	1.51	64	10622	4946.545	ug/L #	59
12) 1,1-Dichloroethene	2.29	96	40	14.893	ug/L #	1
13) Acetone	2.21	43	185	436.110	ug/L #	39
14) Carbon disulfide	2.54	76	55	6.090	ug/L #	1
15) Methyl Acetate	2.49	43	1051	835.778	ug/L #	49
16) Methylene chloride	2.55	84	20	6.496	ug/L #	1
17) Methyl tert-butyl Ether	3.09	73	40	6.071	ug/L #	24
18) trans-1,2-Dichloroethene	2.90	96	41	14.054	ug/L #	49
19) 1,1-Dichloroethane	3.23	63	158	29.441	ug/L #	22
21) 2-Butanone	4.23	43	108	152.000	ug/L	78
22) cis-1,2-Dichloroethene	3.76	96	242	79.552	ug/L	95
25) Chloroform	4.39	83	109	21.645	ug/L #	17
27) 1,2-Dichloroethane	5.31	62	25553	8648.983	ug/L #	72
38) Bromodichloromethane	6.52	83	16467	1.154	ug/L #	48
42) Toluene	7.69	91	37955	0.740	ug/L	96

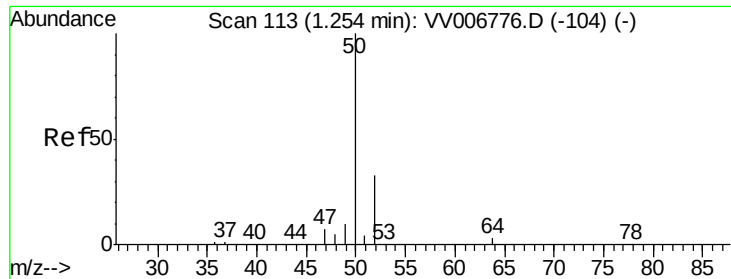
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073118\
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Quant Time: Aug 01 01:45:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 01 01:43:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.29	106	13486	0.654	ug/L	99
54) o-xylene	9.68	106	5490	0.273	ug/L	96

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



#3

Chloromethane

Concen: 97.685 ug/L

RT: 1.35 min Scan# 142

Delta R.T. 0.09 min

Lab File: VV006783.D

Acq: 31 Jul 2018 14:04

Instrument :

MSVOA_V

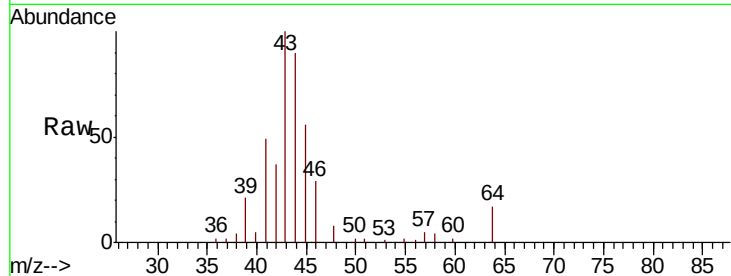
ClientSampled :

Tot Ion: 50 Resp: 306

Ion Ratio Lower Upper

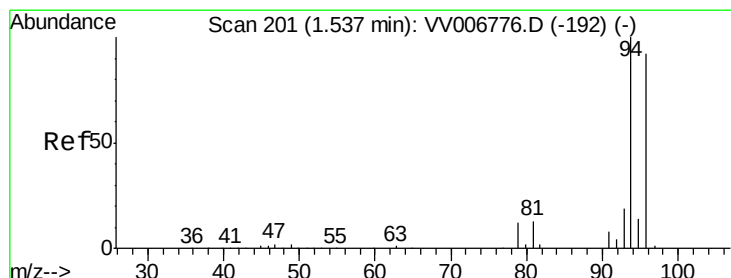
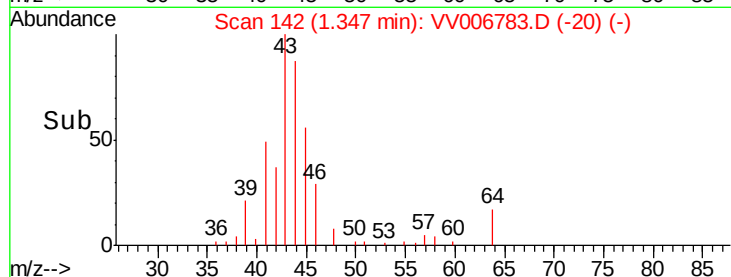
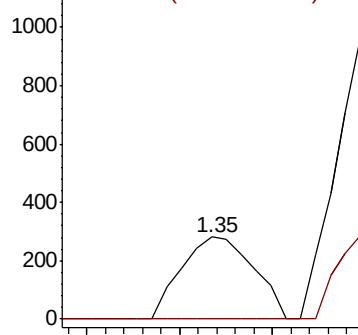
50 100

52 0.0 22.1 41.1#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#6

Bromomethane

Concen: 581.126 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.23 min

Lab File: VV006783.D

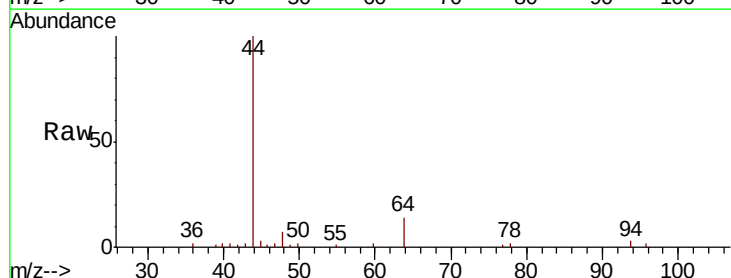
Acq: 31 Jul 2018 14:04

Tgt Ion: 94 Resp: 558

Ion Ratio Lower Upper

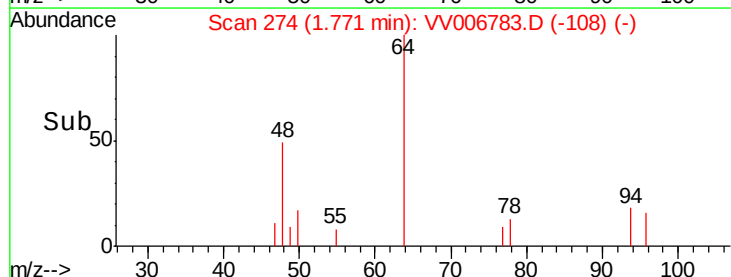
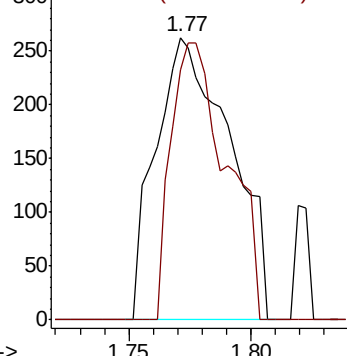
94 100

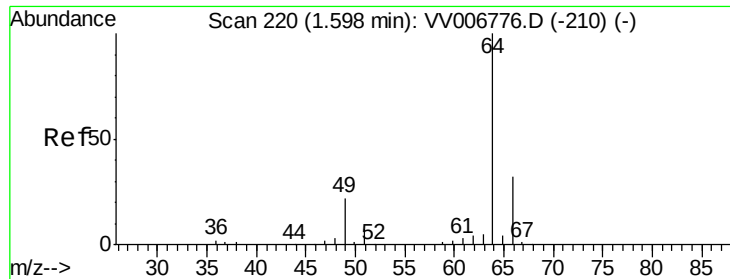
96 88.6 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4946.545 ug/L

RT: 1.51 min Scan# 193

Delta R.T. -0.09 min

Lab File: VV006783.D

Acq: 31 Jul 2018 14:04

Instrument :

MSVOA_V

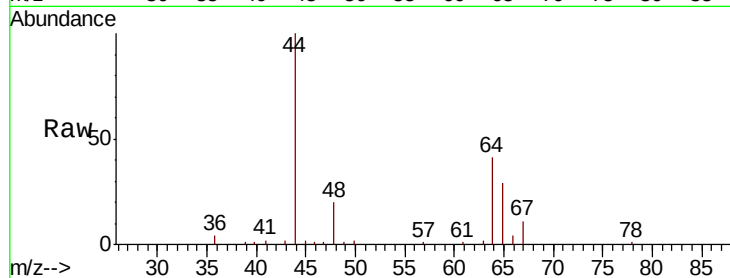
ClientSampleId :

Tot Ion: 64 Resp: 10622

Ion Ratio Lower Upper

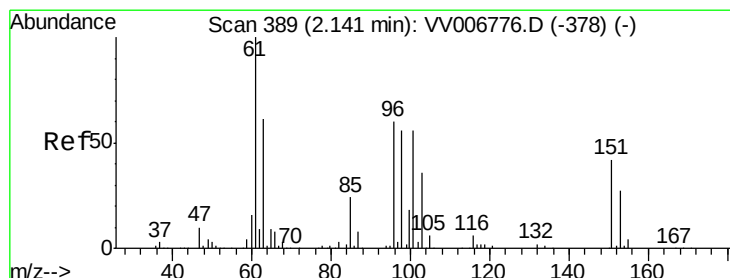
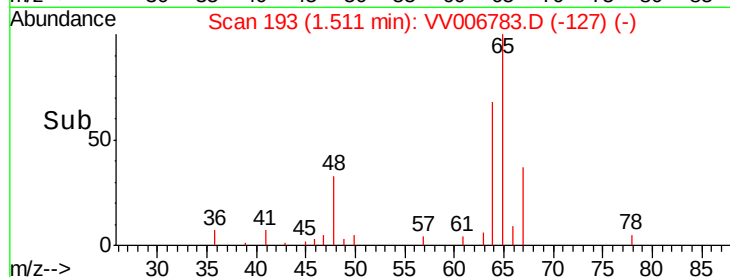
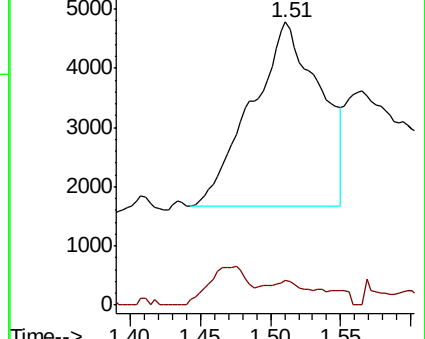
64 100

66 8.6 21.8 40.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#12

1,1-Dichloroethene

Concen: 14.893 ug/L

RT: 2.29 min Scan# 436

Delta R.T. 0.15 min

Lab File: VV006783.D

Acq: 31 Jul 2018 14:04

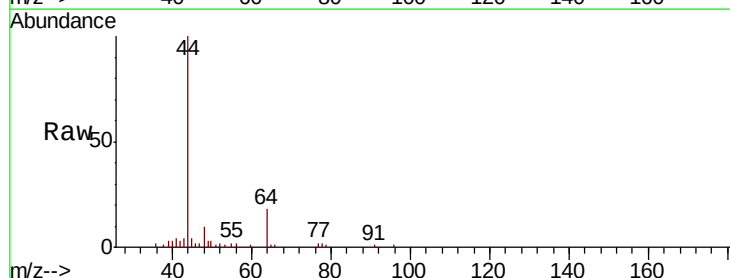
Tgt Ion: 96 Resp: 40

Ion Ratio Lower Upper

96 100

61 0.0 113.5 210.9#

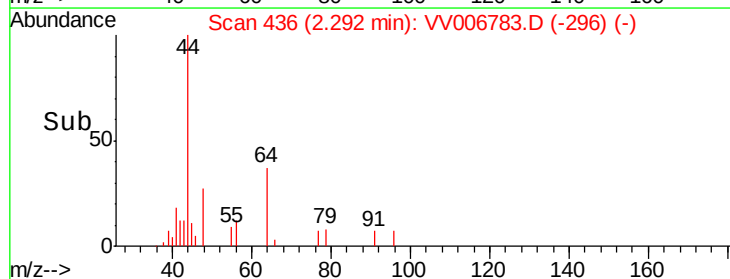
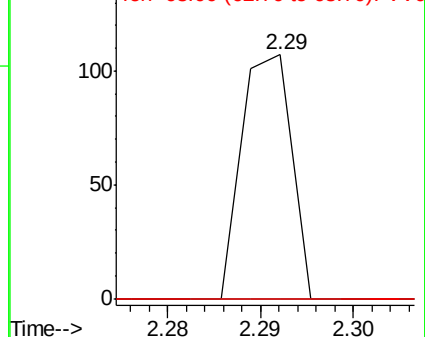
63 0.0 69.5 129.1#

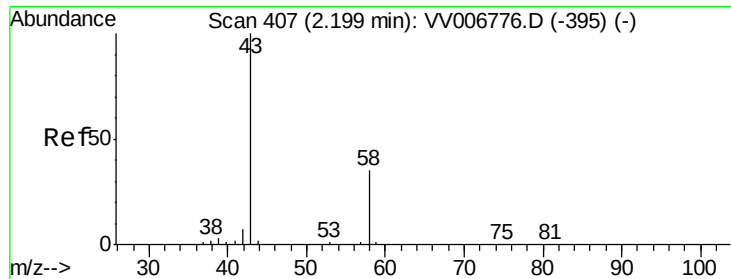


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

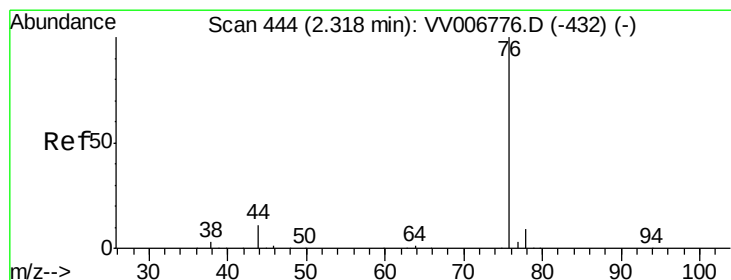
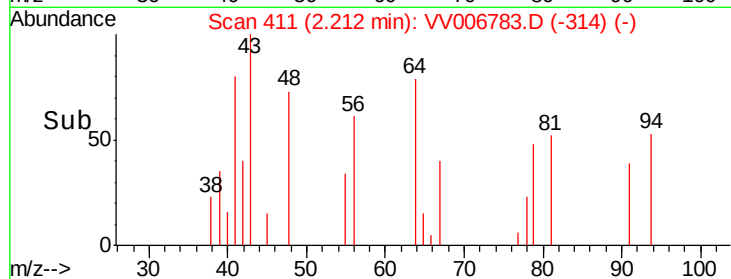
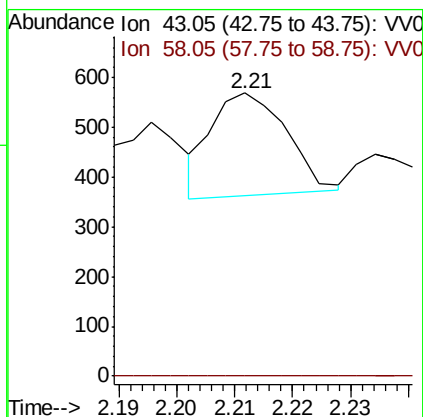
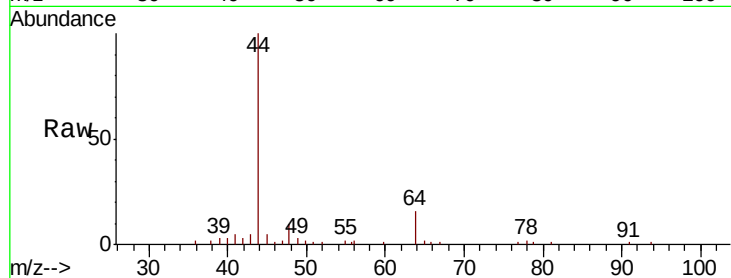




#13
Acetone
Concen: 436.110 ug/L
RT: 2.21 min Scan# 411
Delta R.T. 0.01 min
Lab File: VV006783.D
Acq: 31 Jul 2018 14:04

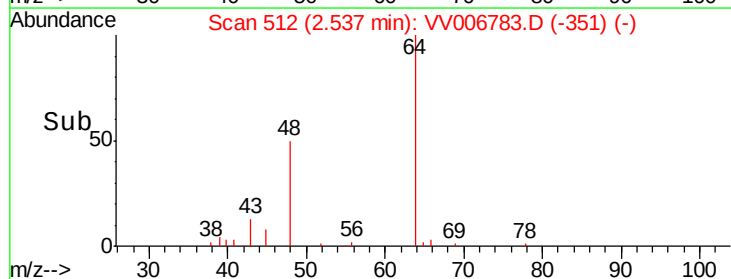
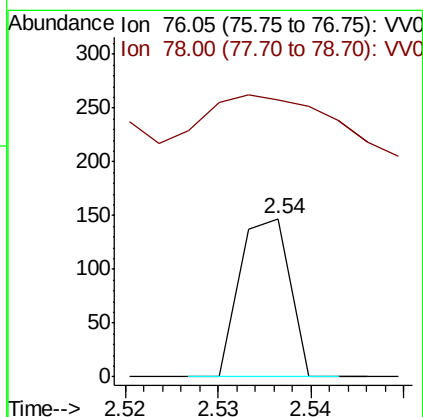
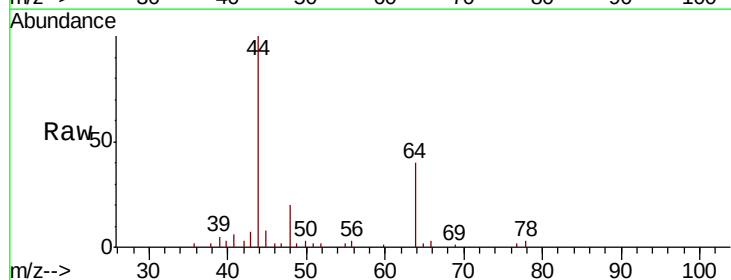
Instrument :
MSVOA_V
ClientSampleId :

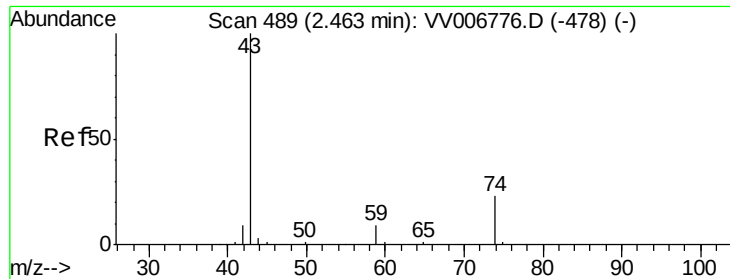
Tot Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
58 0.0 0.0 71.4



#14
Carbon disulfide
Concen: 6.090 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.22 min
Lab File: VV006783.D
Acq: 31 Jul 2018 14:04

Tgt Ion: 76 Resp: 55
Ion Ratio Lower Upper
76 100
78 175.5 7.4 11.2#

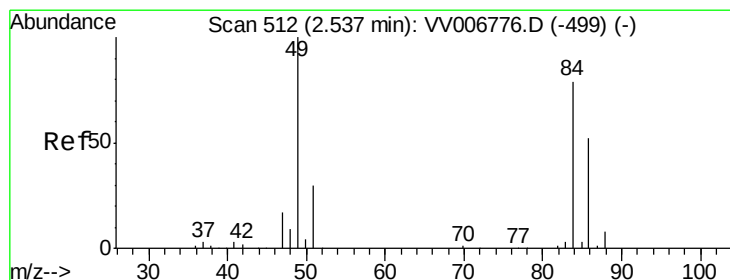
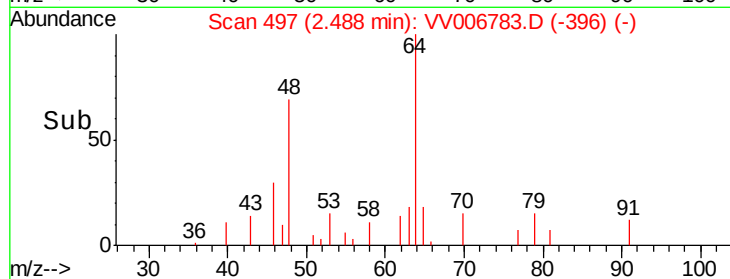
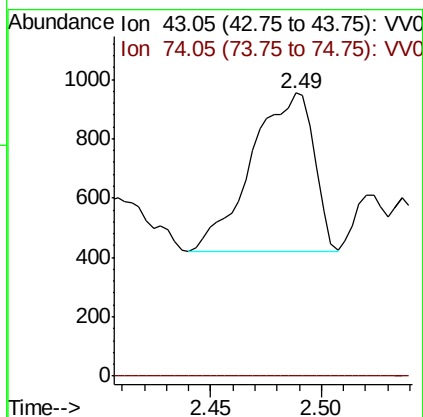
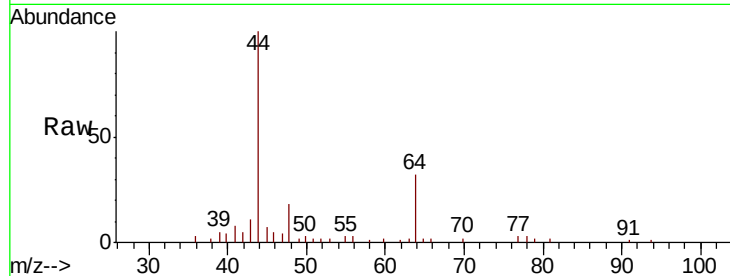




#15
Methyl Acetate
Concen: 835.778 ug/L
RT: 2.49 min Scan# 497
Delta R.T. 0.03 min
Lab File: VV006783.D
Acq: 31 Jul 2018 14:04

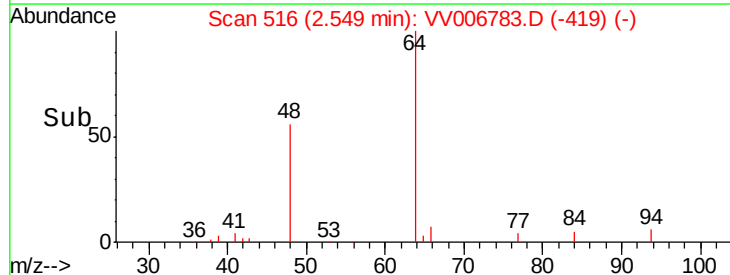
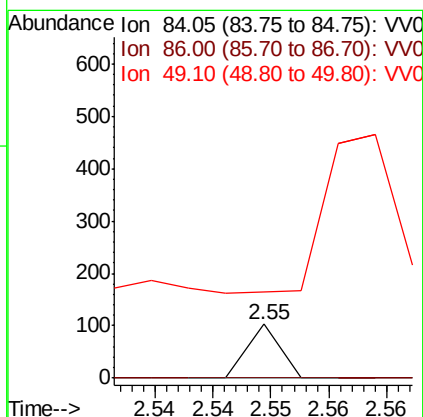
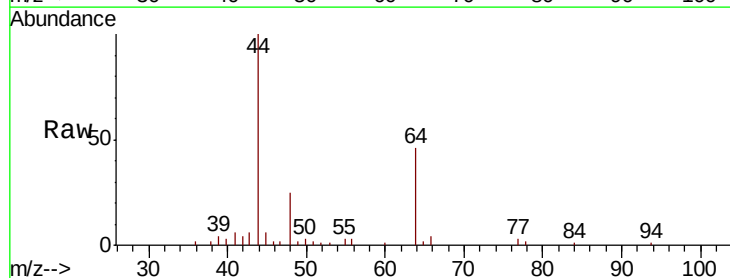
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MSVOA_V
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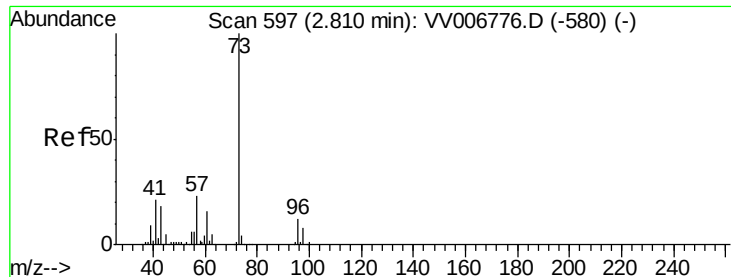
Tot Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#



#16
Methylene chloride
Concen: 6.496 ug/L
RT: 2.55 min Scan# 516
Delta R.T. 0.01 min
Lab File: VV006783.D
Acq: 31 Jul 2018 14:04

Tgt Ion: 84 Resp: 20
Ion Ratio Lower Upper
84 100
86 0.0 44.7 83.1#
49 436.9 86.7 160.9#

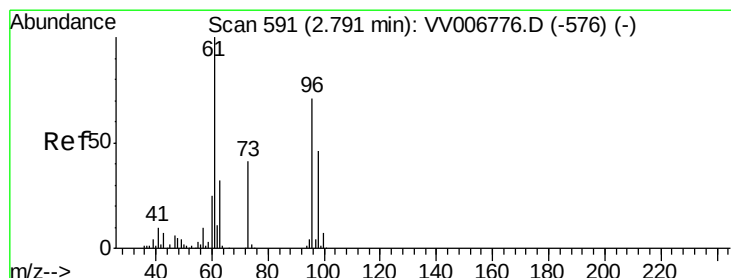
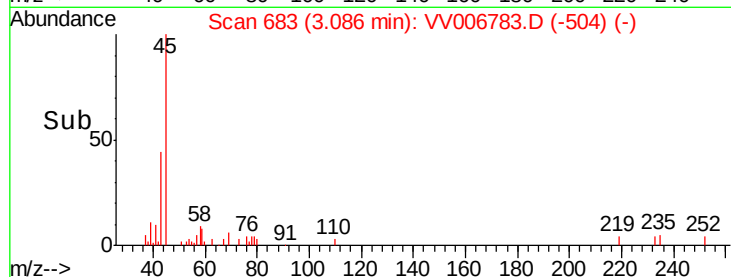
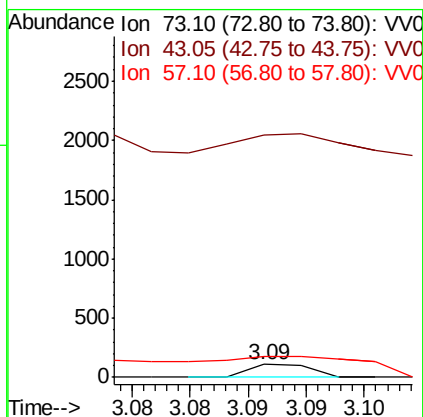
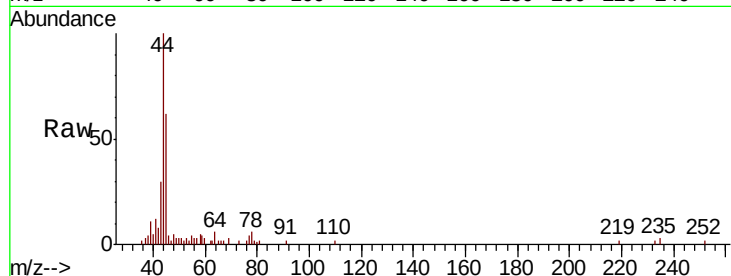




#17
Methyl tert-butyl Ether
Concen: 6.071 ug/L
RT: 3.09 min Scan# 683
Delta R.T. 0.28 min
Lab File: VV006783.D
Acq: 31 Jul 2018 14:04

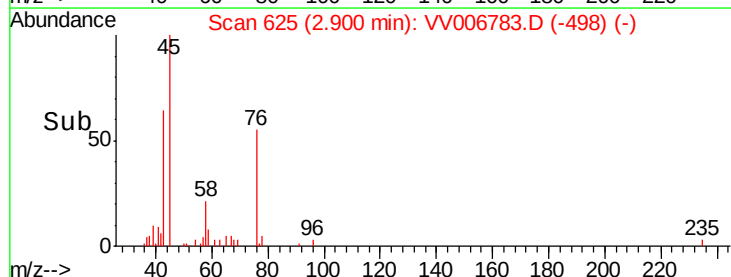
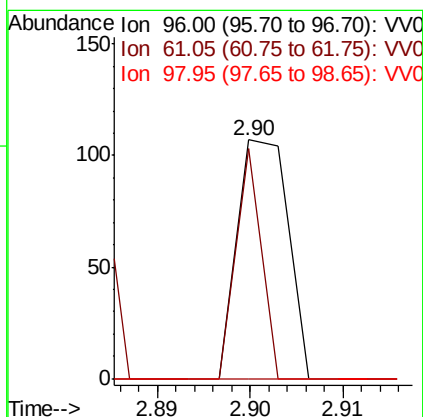
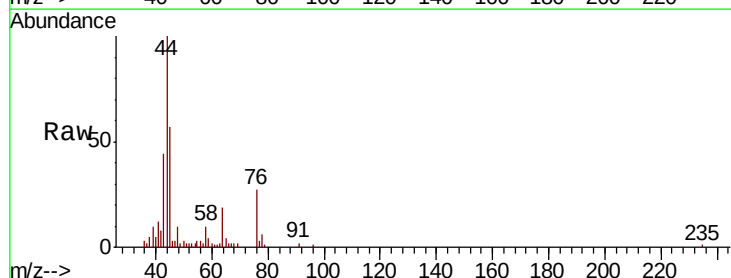
Instrument :
MSVOA_V
ClientSampled :

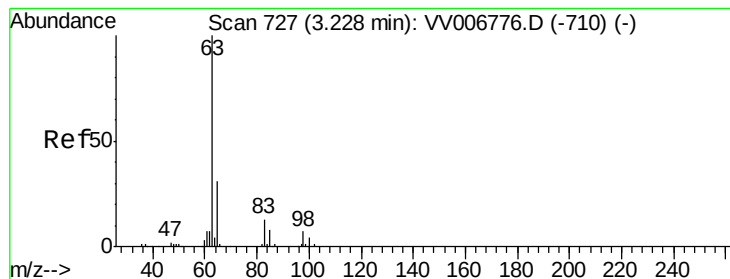
Tot Ion: 73 Resp: 40
Ion Ratio Lower Upper
73 100
43 0.0 14.2 21.4#
57 72.5 18.2 27.2#



#18
trans-1,2-Dichloroethene
Concen: 14.054 ug/L
RT: 2.90 min Scan# 625
Delta R.T. 0.11 min
Lab File: VV006783.D
Acq: 31 Jul 2018 14:04

Tgt Ion: 96 Resp: 41
Ion Ratio Lower Upper
96 100
61 96.3 98.5 182.9#
98 0.0 45.4 84.4#





#19

1,1-Dichloroethane

Concen: 29.441 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006783.D

Acq: 31 Jul 2018 14:04

Instrument :

MSVOA_V

ClientSampled :

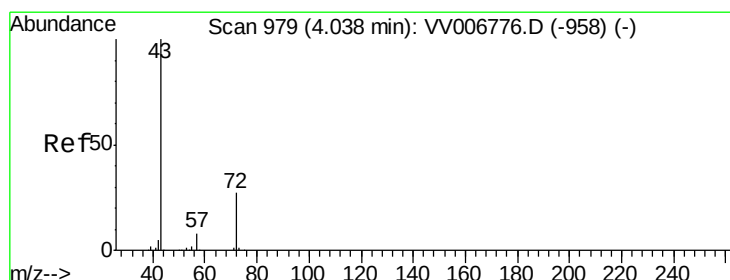
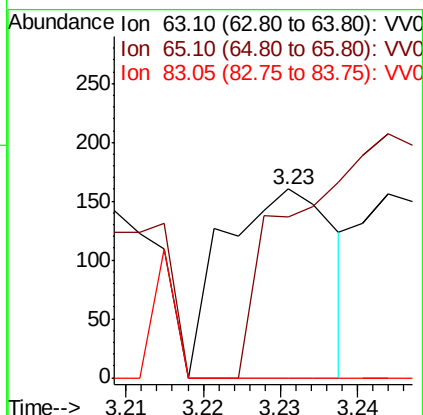
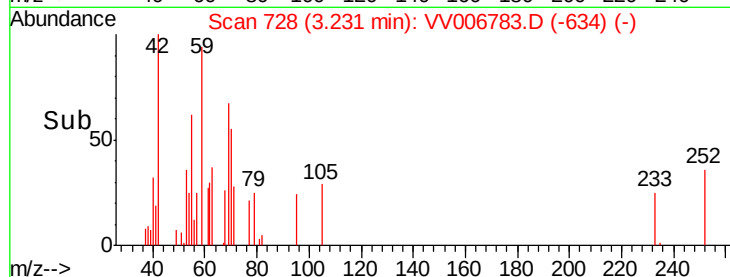
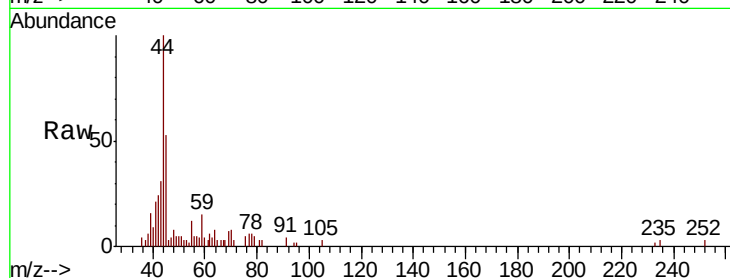
Tot Ion: 63 Resp: 158

Ion Ratio Lower Upper

63 100

65 85.6 22.4 41.6#

83 0.0 9.0 16.8#



#21

2-Butanone

Concen: 152.000 ug/L

RT: 4.23 min Scan# 1040

Delta R.T. 0.20 min

Lab File: VV006783.D

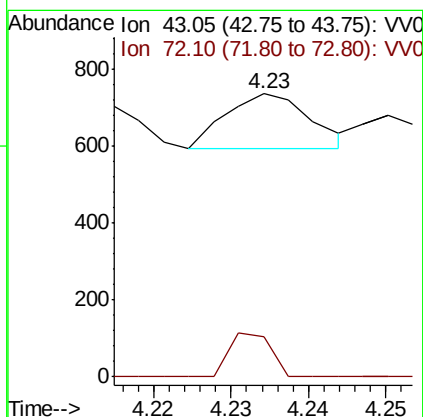
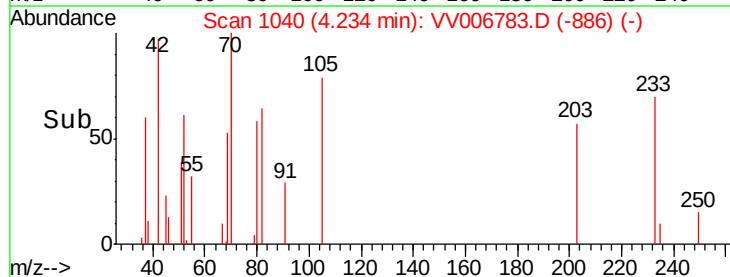
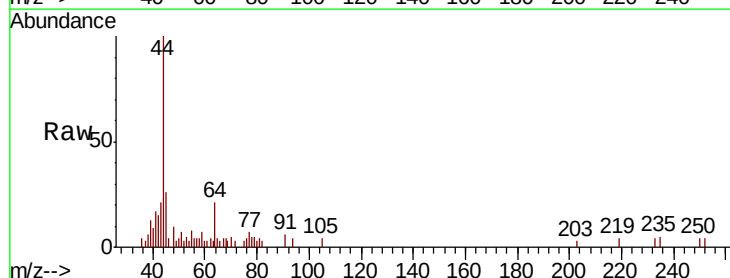
Acq: 31 Jul 2018 14:04

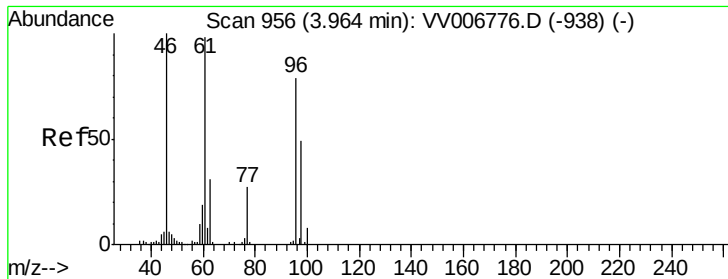
Tgt Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

72 38.9 13.8 41.4



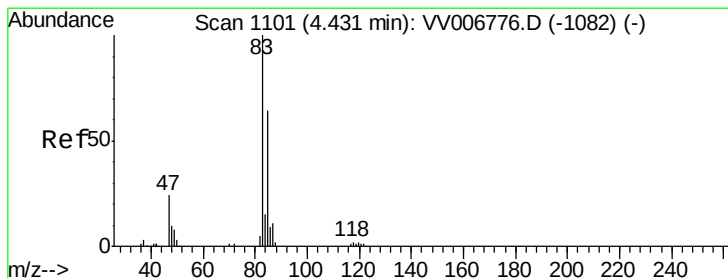
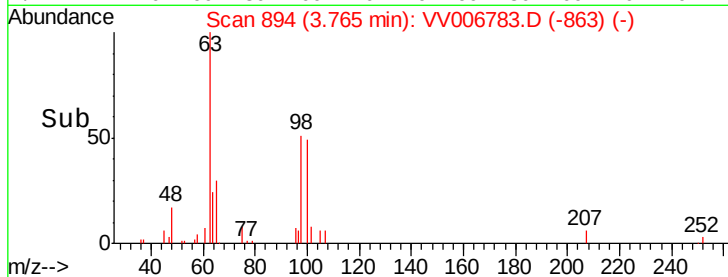
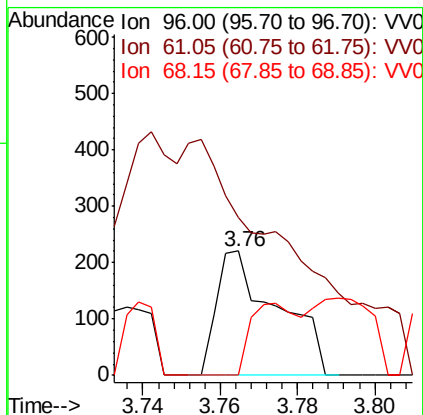
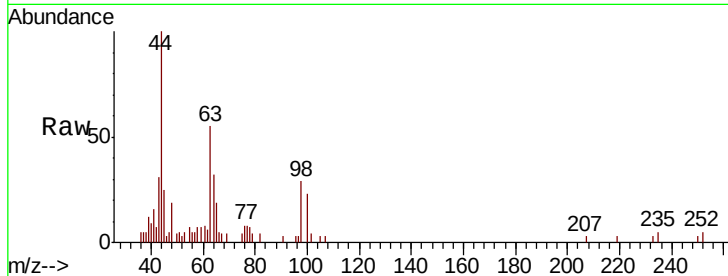


#22

cis-1,2-Dichloroethene
 Concen: 79.552 ug/L
 RT: 3.76 min Scan# 894
 Delta R.T. -0.20 min
 Lab File: VV006783.D
 Acq: 31 Jul 2018 14:04

Instrument :
 MSVOA_V
 ClientSampled :

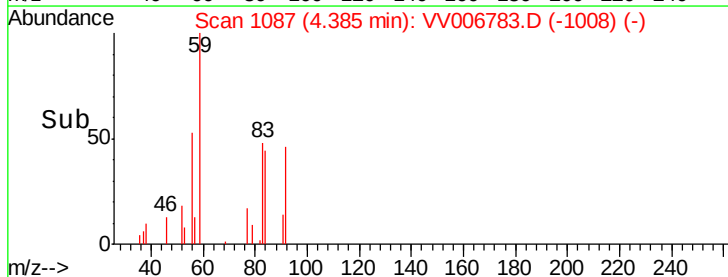
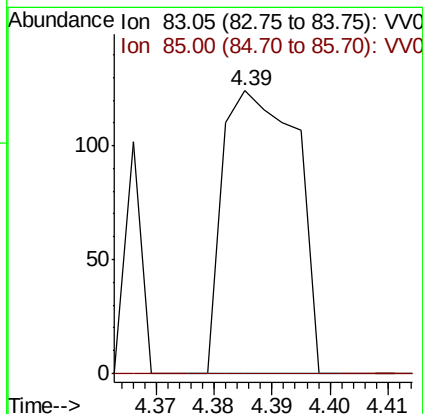
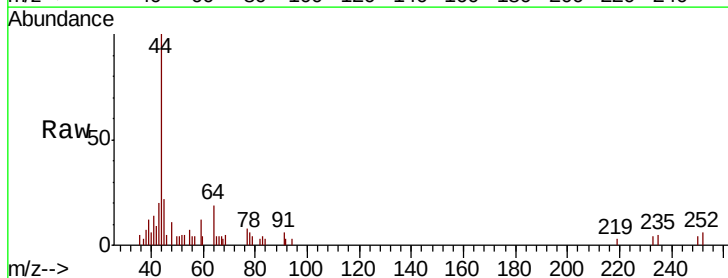
Tot Ion: 96 Resp: 242
 Ion Ratio Lower Upper
 96 100
 61 127.3 85.5 158.9
 68 0.0 0.0 0.0

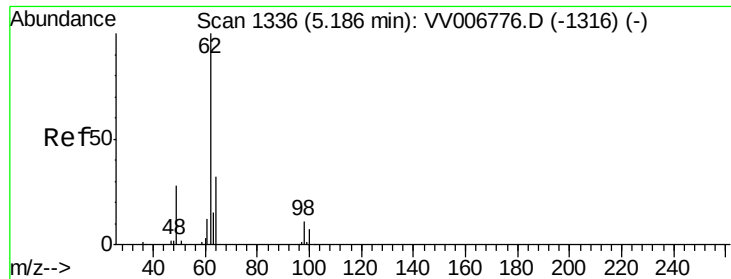


#25

Chloroform
 Concen: 21.645 ug/L
 RT: 4.39 min Scan# 1087
 Delta R.T. -0.05 min
 Lab File: VV006783.D
 Acq: 31 Jul 2018 14:04

Tgt Ion: 83 Resp: 109
 Ion Ratio Lower Upper
 83 100
 85 0.0 46.1 85.5#





#27

1,2-Dichloroethane

Concen: 8648.983 ug/L

RT: 5.31 min Scan# 1376

Delta R.T. 0.13 min

Lab File: VV006783.D

Acq: 31 Jul 2018 14:04

Instrument :

MSVOA_V

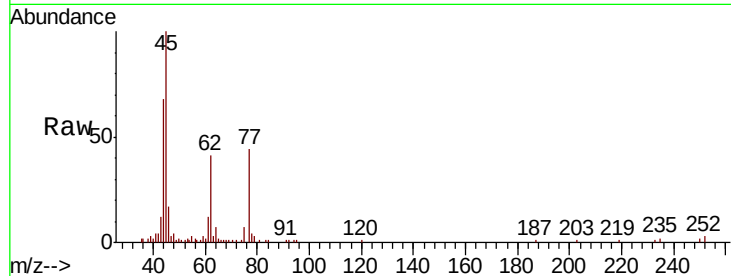
ClientSampleId :

Tot Ion: 62 Resp: 25553

Ion Ratio Lower Upper

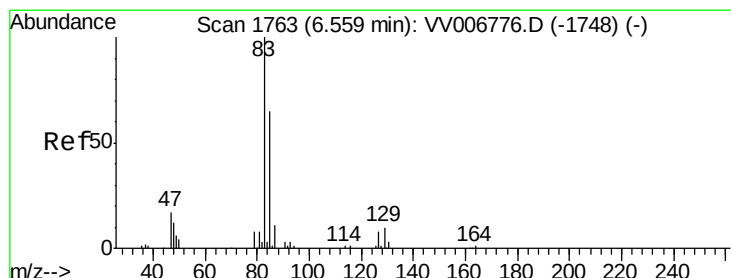
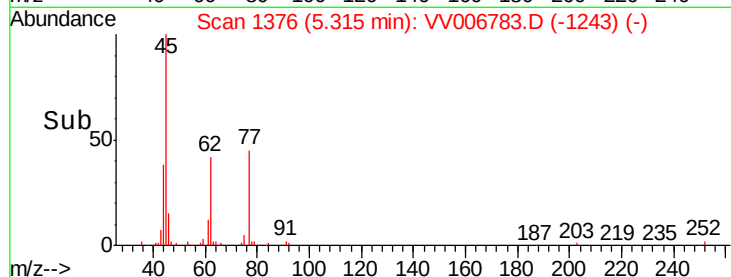
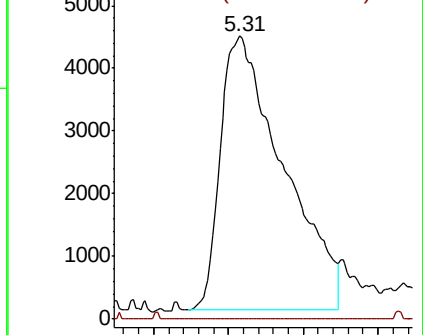
62 100

98 0.0 8.4 12.6#



Abundance Ion 62.00 (61.70 to 62.70): VV006776.D (-1316) (-)

Ion 98.05 (97.75 to 98.75): VV006776.D (-1316) (-)



#38

Bromodichloromethane

Concen: 1.154 ug/L

RT: 6.52 min Scan# 1752

Delta R.T. -0.04 min

Lab File: VV006783.D

Acq: 31 Jul 2018 14:04

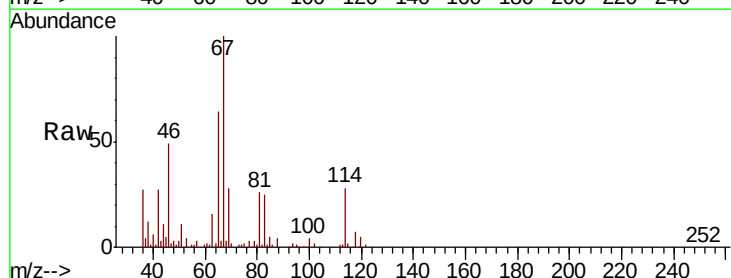
Tgt Ion: 83 Resp: 16467

Ion Ratio Lower Upper

83 100

85 20.3 44.4 82.4#

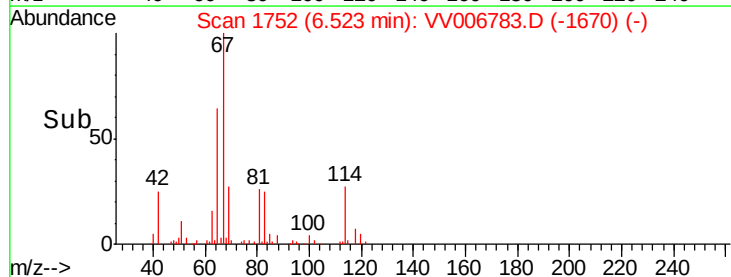
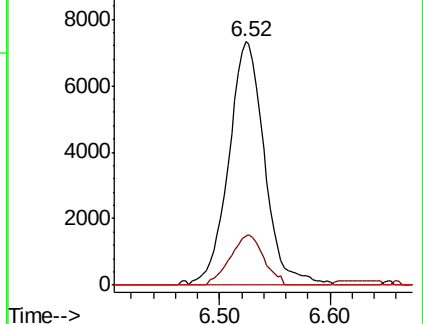
127 0.0 6.6 9.8#

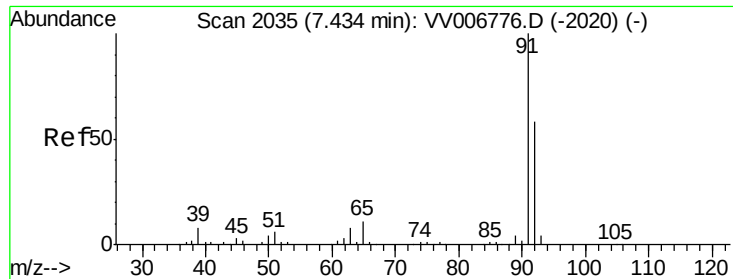


Abundance Ion 82.95 (82.65 to 83.65): VV006776.D (-1748) (-)

Ion 85.00 (84.70 to 85.70): VV006776.D (-1748) (-)

Ion 126.90 (126.60 to 127.60): VV006776.D (-1748) (-)





#42

Toluene

Concen: 0.740 ug/L

RT: 7.69 min Scan# 2115

Delta R.T. 0.26 min

Lab File: VV006783.D

Acq: 31 Jul 2018 14:04

Instrument :

MSVOA_V

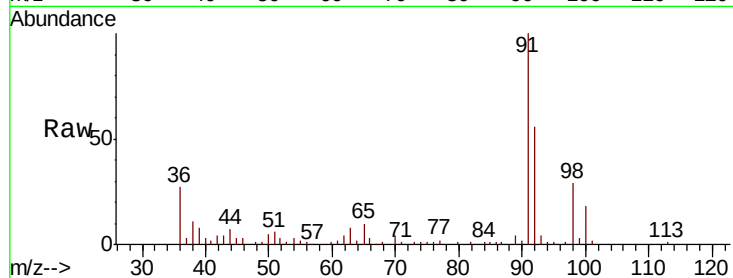
ClientSampleId :

Tot Ion: 91 Resp: 37955

Ion Ratio Lower Upper

91 100

92 55.5 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.69

25000

20000

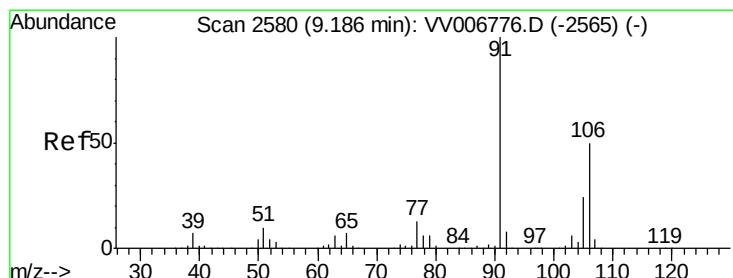
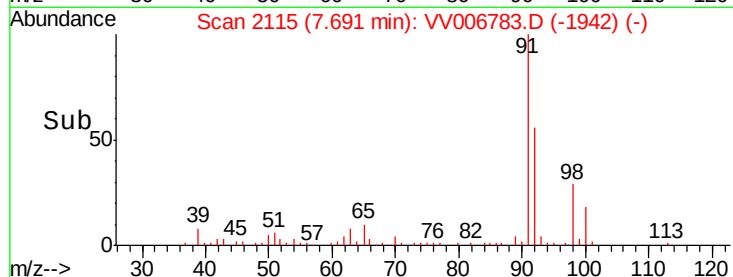
15000

10000

5000

0

Time-->



#53

m,p-xylene

Concen: 0.654 ug/L

RT: 9.29 min Scan# 2613

Delta R.T. 0.11 min

Lab File: VV006783.D

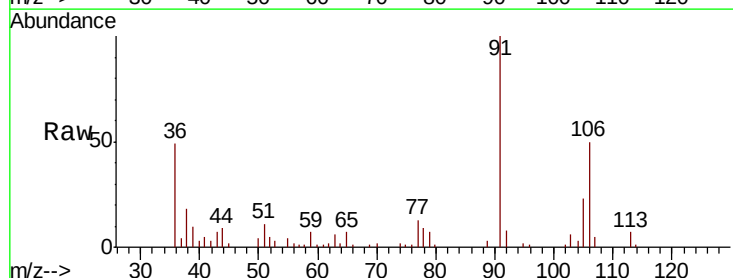
Acq: 31 Jul 2018 14:04

Tgt Ion: 106 Resp: 13486

Ion Ratio Lower Upper

106 100

91 201.7 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

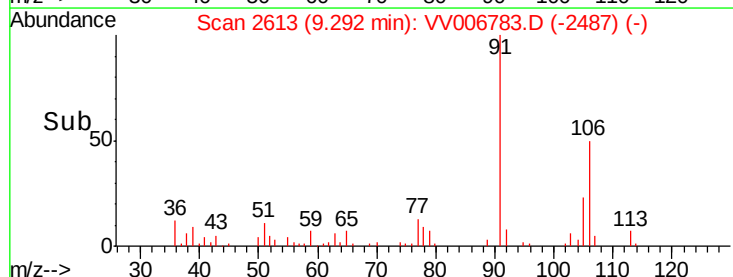
9.29

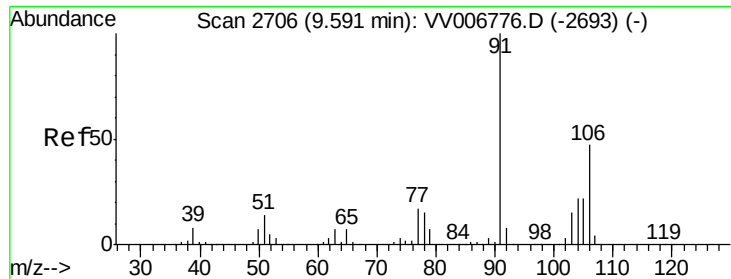
10000

5000

0

Time-->





#54
 o-xylene
 Concen: 0.273 ug/L
 RT: 9.68 min Scan# 2734
 Delta R.T. 0.09 min
 Lab File: VV006783.D
 Acq: 31 Jul 2018 14:04

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:106 Resp: 5490
 Ion Ratio Lower Upper
 106 100
 91 214.6 146.0 271.2

