

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081619\
 Data File : VV012267.D
 Acq On : 16 Aug 2019 13:38
 Operator : SY/MD
 Sample : K4373-03
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB0

Quant Time: Aug 16 23:38:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 16 23:35:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	168663	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	164570	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	67663	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78259	7.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	150.60%#
7) Chloroethane-d5	1.58	69	58261	7.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	146.80%#
11) 1,1-Dichloroethene-d2	2.13	63	79879	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	3.94	46	56371	25.12	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	50.24%
24) Chloroform-d	4.40	84	114823	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.08	65	64281	6.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	132.00%#
32) Benzene-d6	5.10	84	289522	6.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	139.00%#
36) 1,2-Dichloropropane-d6	6.12	67	86044	7.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	140.20%#
41) Toluene-d8	7.36	98	240967	6.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	126.80%
43) trans-1,3-Dichloropropene-	7.66	79	28332	6.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	120.60%
46) 2-Hexanone-d5	8.13	63	80682	53.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	55398	6.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	129.60%#
64) 1,2-Dichlorobenzene-d4	11.67	152	96297	8.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	168.20%#

Target Compounds

					Qvalue
3) Chloromethane	1.26	50	2153	0.147 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	741	0.077 ug/L #	17
12) 1,1-Dichloroethene	2.14	96	771	0.087 ug/L #	1
13) Acetone	2.30	43	6302	4.506 ug/L	54
14) Carbon disulfide	2.32	76	14007	0.539 ug/L	99
25) Chloroform	4.43	83	10812	0.439 ug/L	80
33) Benzene	5.14	78	75780	1.527 ug/L	100
35) Methylcyclohexane	6.11	83	21430	1.026 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	9316	0.752 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2096	0.123 ug/L	91
42) Toluene	7.44	91	3796	0.072 ug/L	96
48) 2-Hexanone	8.18	43	13045	2.718 ug/L #	85
52) Ethylbenzene	9.06	91	3673	0.065 ug/L	97
53) m,p-xylene	9.18	106	3115	0.144 ug/L	97
56) Isopropylbenzene	9.97	105	4925	0.090 ug/L	98
69) Naphthalene	13.55	128	35936	1.966 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 23:35:37 2019
Response via : Initial Calibration

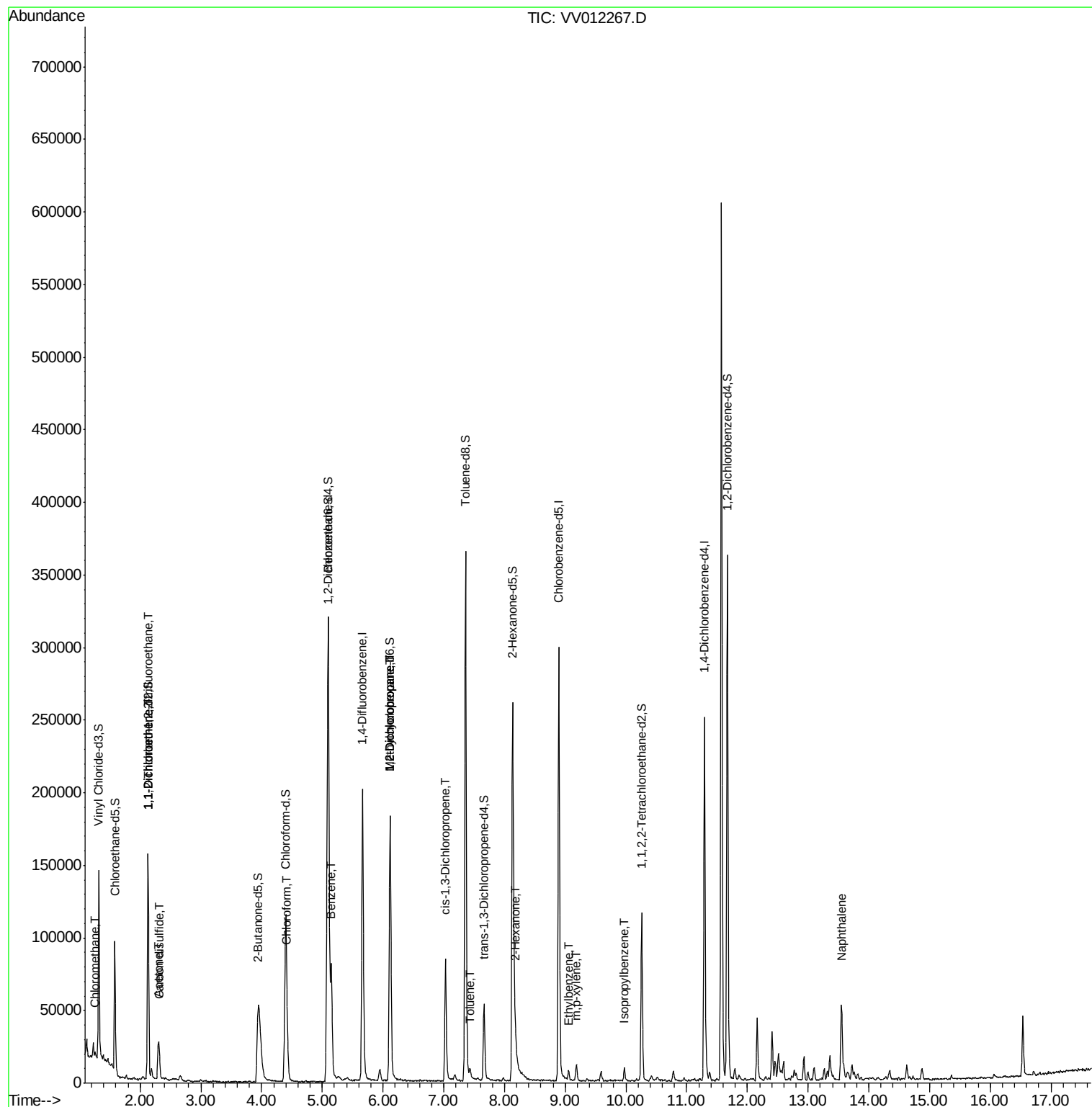
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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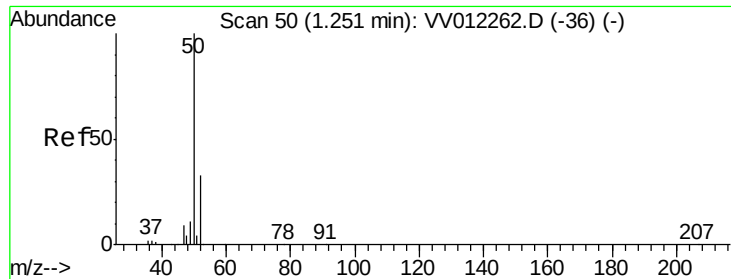
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.147 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV012267.D

Acq: 16 Aug 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

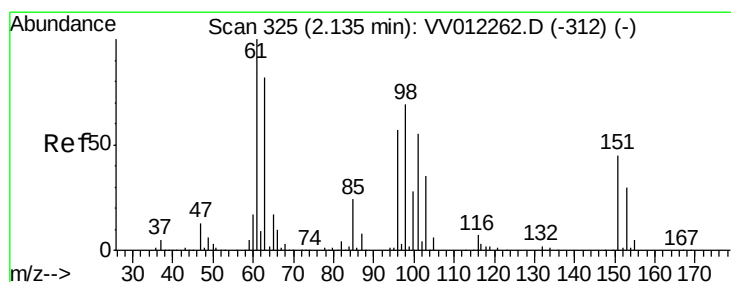
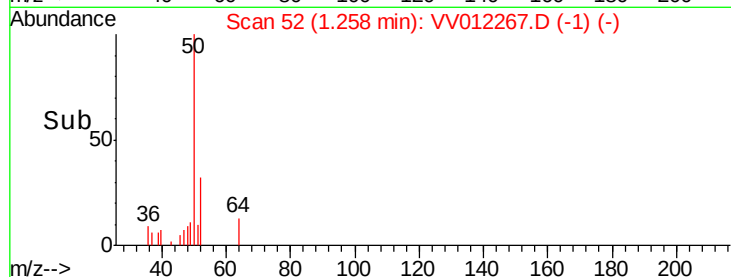
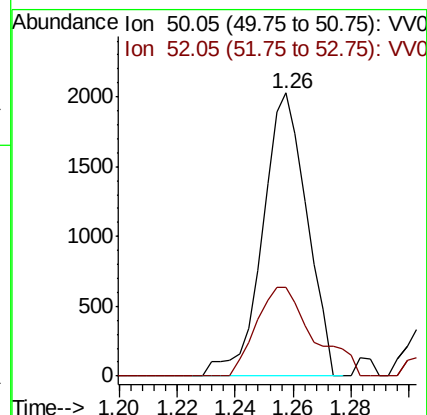
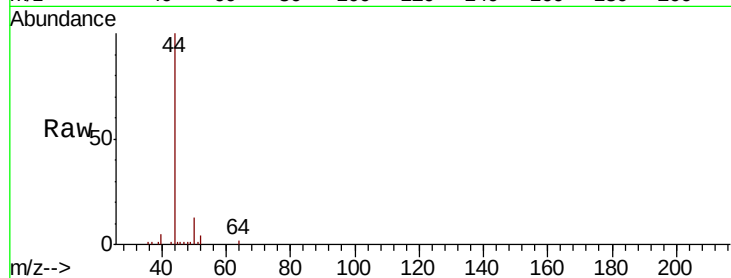
C0AB0

Tgt Ion: 50 Resp: 2153

Ion Ratio Lower Upper

50 100

52 31.5 22.6 42.0



#10

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

Concen: 0.077 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV012267.D

Acq: 16 Aug 2019 13:38

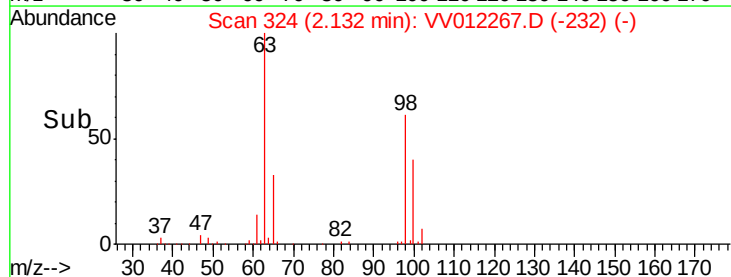
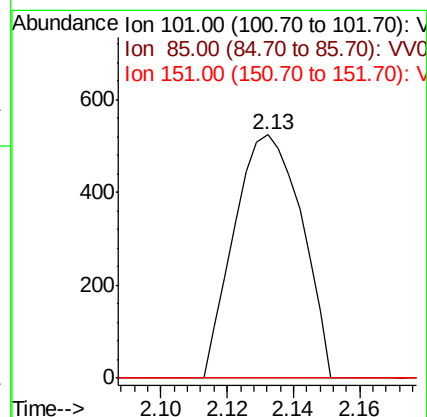
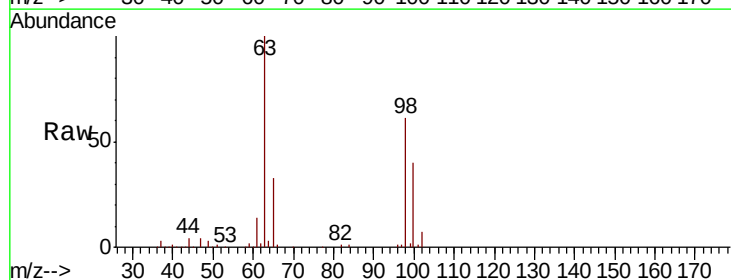
Tgt Ion: 101 Resp: 741

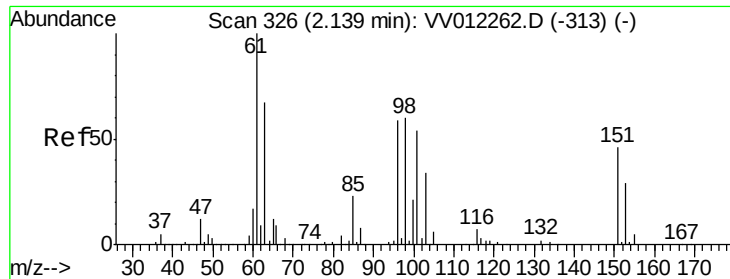
Ion Ratio Lower Upper

101 100

85 0.0 33.7 50.5#

151 0.0 66.3 99.5#

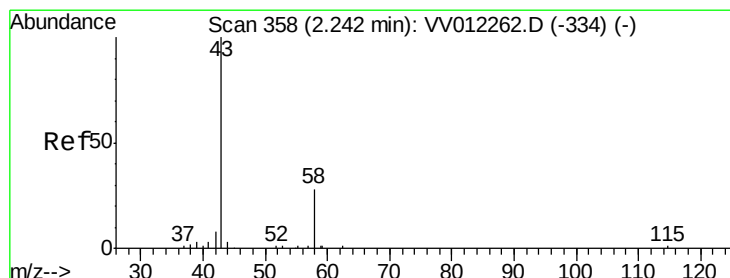
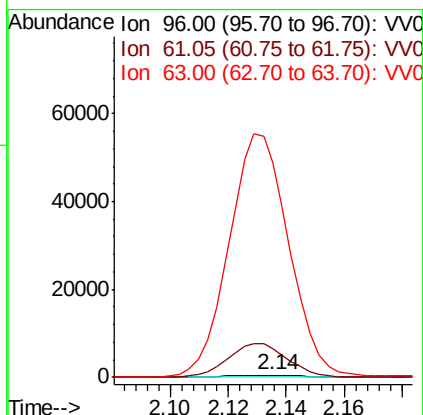
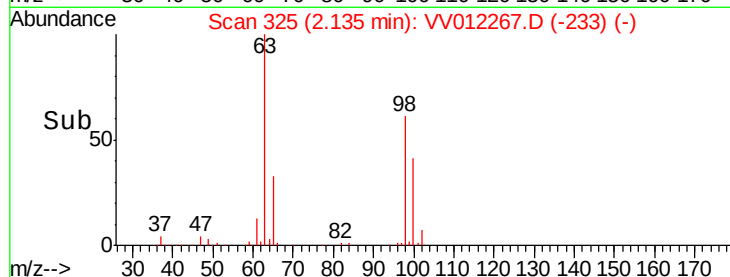
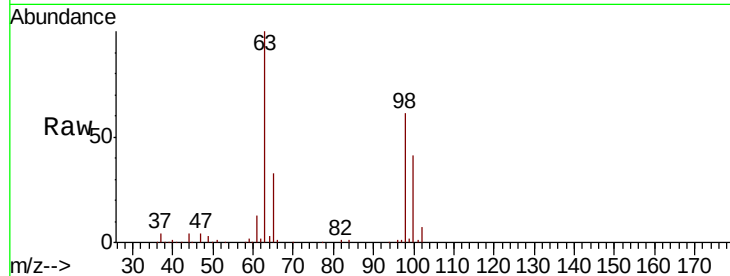




#12
 1,1-Dichloroethene
 Concen: 0.087 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV012267.D
 Acq: 16 Aug 2019 13:38

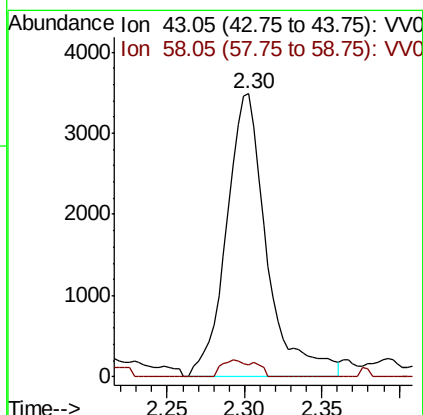
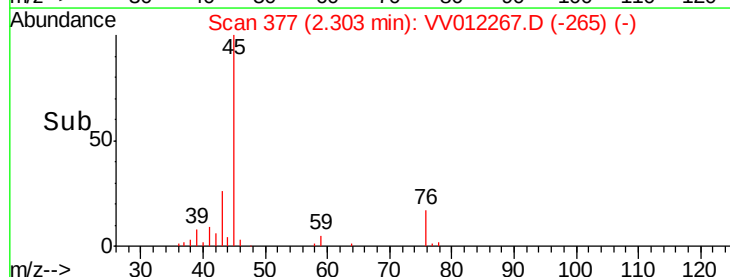
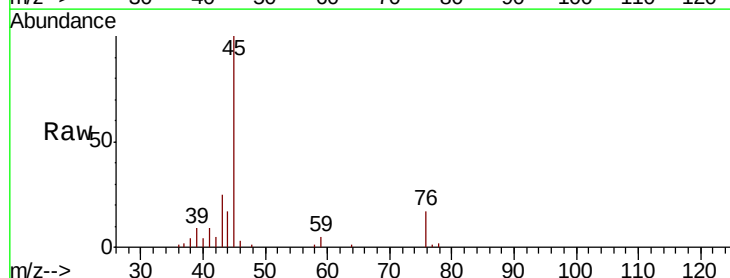
Instrument :
 MSVOA_V
 ClientSampled :
 C0AB0

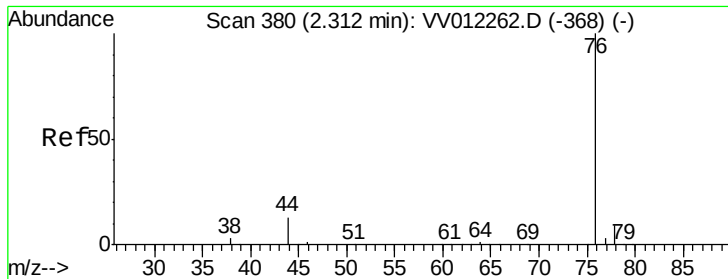
Tgt Ion: 96 Resp: 771
 Ion Ratio Lower Upper
 96 100
 61 1352.8 119.3 221.5#
 63 10218.9 74.9 139.1#



#13
 Acetone
 Concen: 4.506 ug/L
 RT: 2.30 min Scan# 377
 Delta R.T. 0.06 min
 Lab File: VV012267.D
 Acq: 16 Aug 2019 13:38

Tgt Ion: 43 Resp: 6302
 Ion Ratio Lower Upper
 43 100
 58 5.0 0.0 59.4





#14

Carbon disulfide

Concen: 0.539 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012267.D

Acq: 16 Aug 2019 13:38

Instrument :

MSVOA_V

ClientSampled :

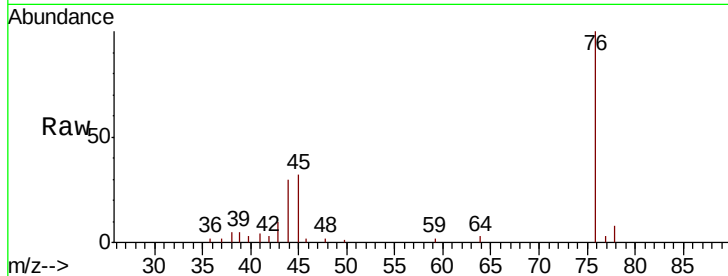
C0AB0

Tgt Ion: 76 Resp: 14007

Ion Ratio Lower Upper

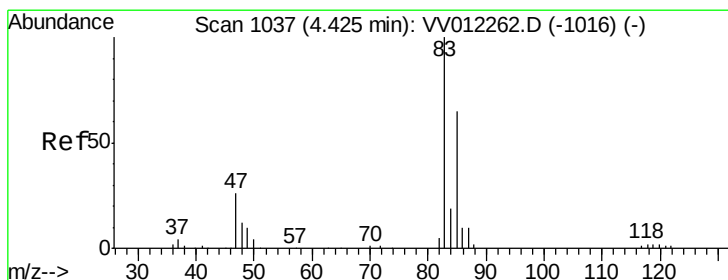
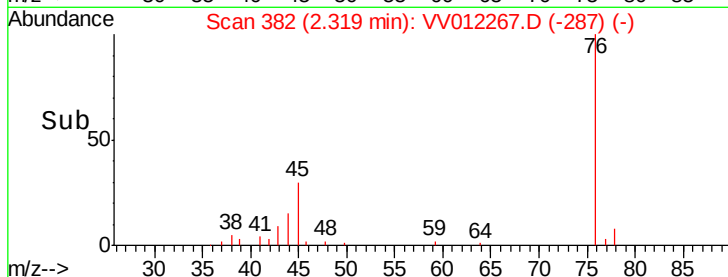
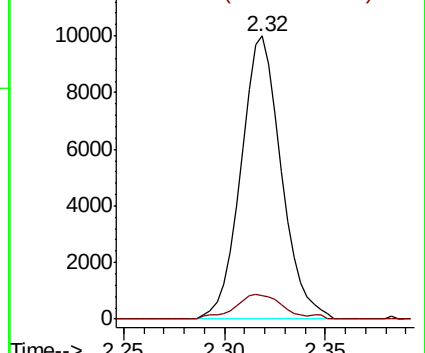
76 100

78 8.5 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#25

Chloroform

Concen: 0.439 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012267.D

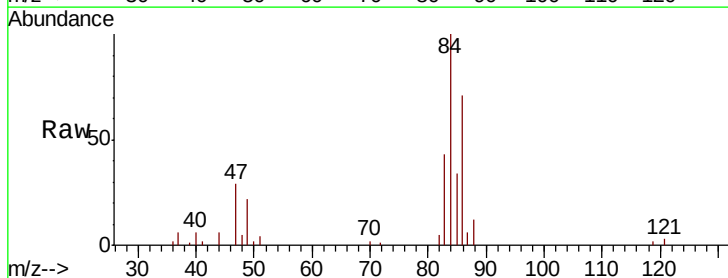
Acq: 16 Aug 2019 13:38

Tgt Ion: 83 Resp: 10812

Ion Ratio Lower Upper

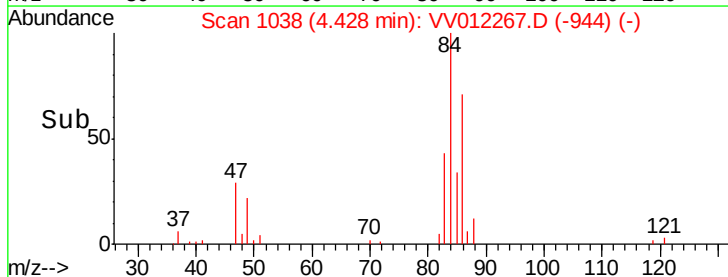
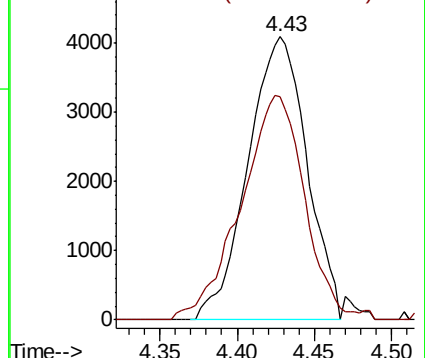
83 100

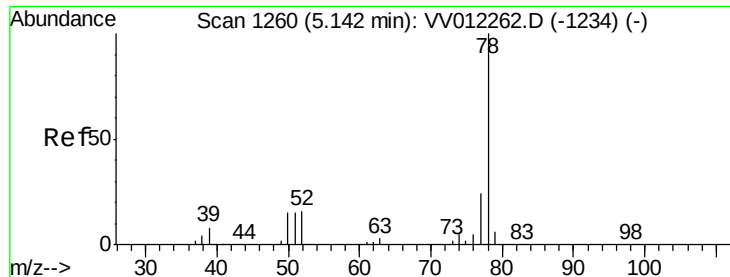
85 78.8 44.3 82.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

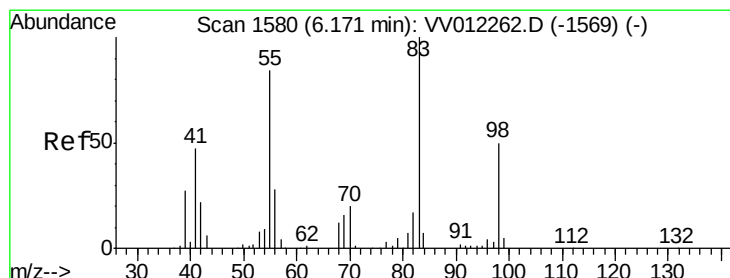
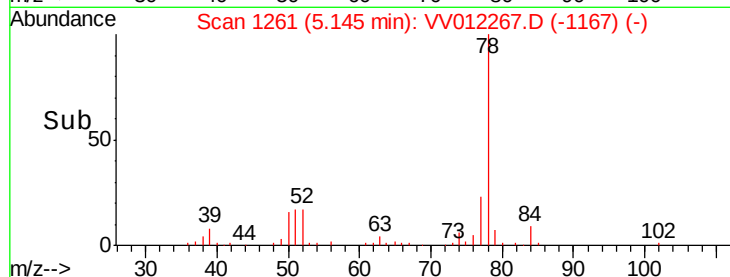
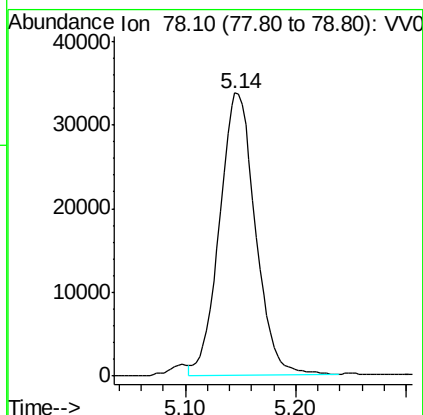
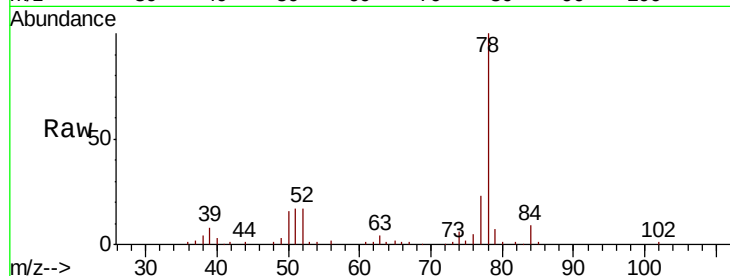




#33
Benzene
Concen: 1.527 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012267.D
Acq: 16 Aug 2019 13:38

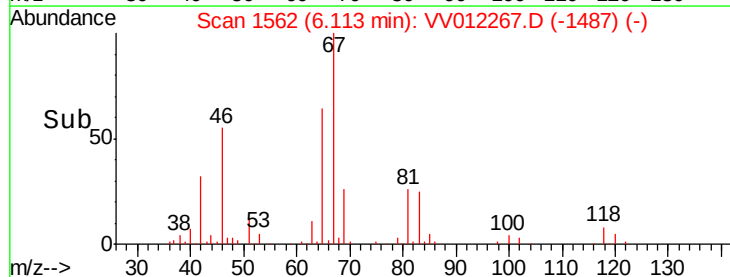
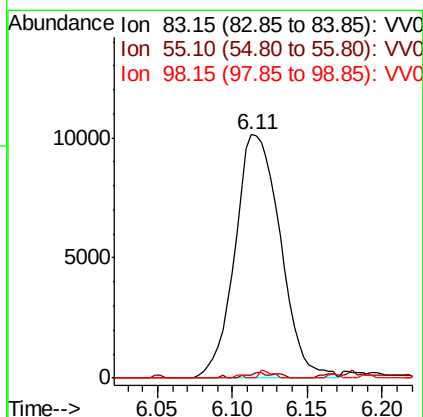
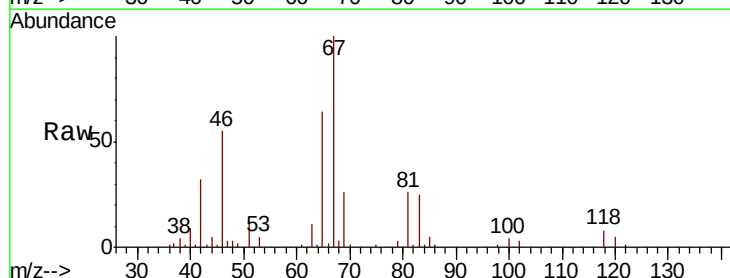
Instrument :
MSVOA_V
ClientSampleId :
C0AB0

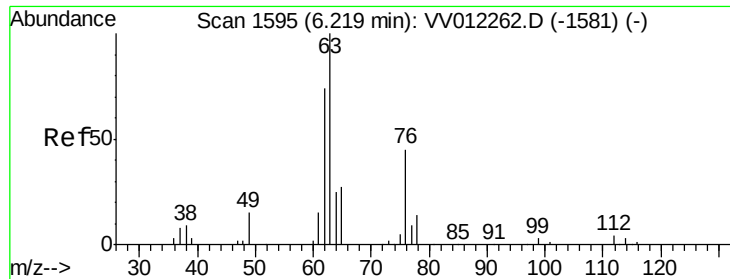
Tgt Ion: 78 Resp: 75780



#35
Methylcyclohexane
Concen: 1.026 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV012267.D
Acq: 16 Aug 2019 13:38

Tgt Ion: 83 Resp: 21430
Ion Ratio Lower Upper
83 100
55 1.0 62.2 93.2#
98 0.8 39.2 58.8#

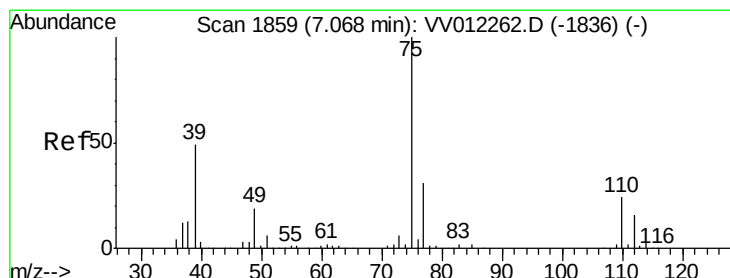
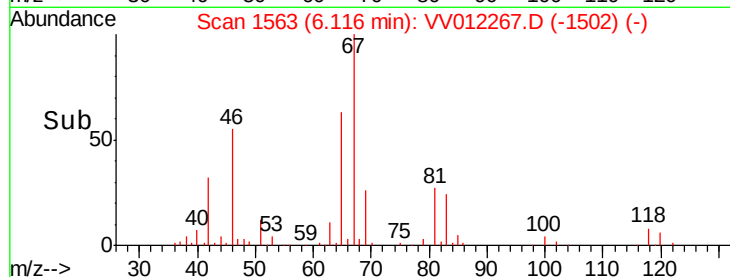
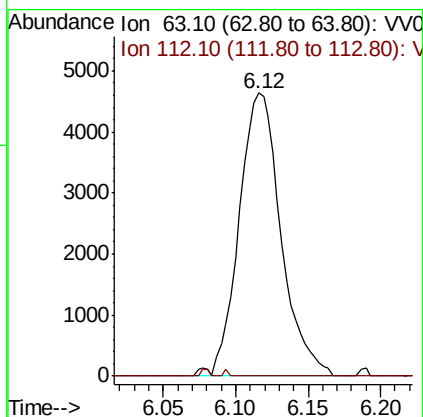
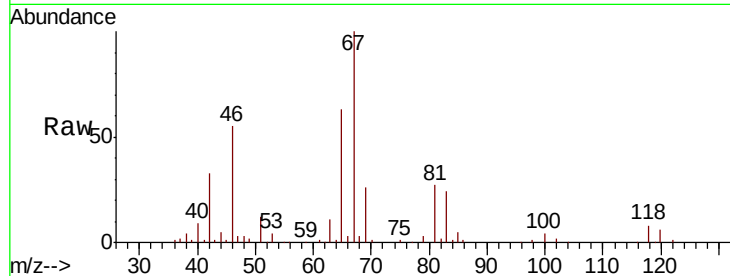




#37
 1,2-Dichloropropane
 Concen: 0.752 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV012267.D
 Acq: 16 Aug 2019 13:38

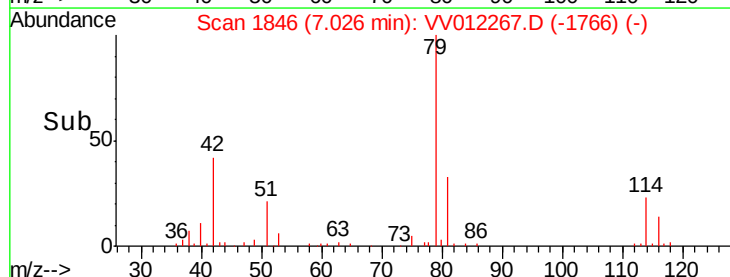
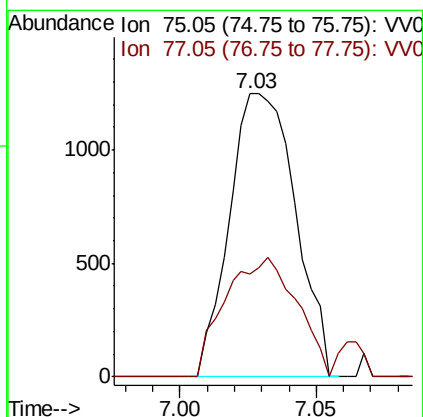
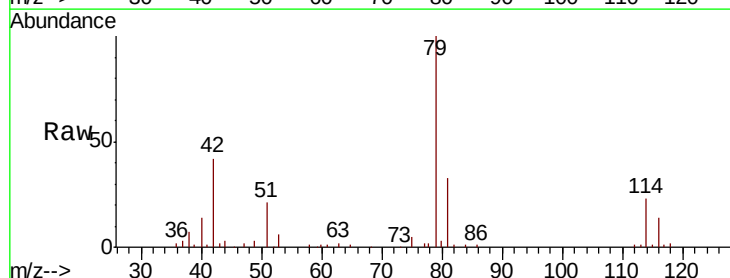
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB0

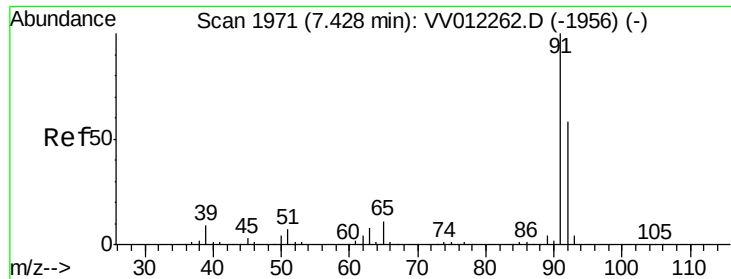
Tgt Ion: 63 Resp: 9316
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.123 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV012267.D
 Acq: 16 Aug 2019 13:38

Tgt Ion: 75 Resp: 2096
 Ion Ratio Lower Upper
 75 100
 77 36.6 22.2 41.2





#42

Toluene

Concen: 0.072 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV012267.D

Acq: 16 Aug 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

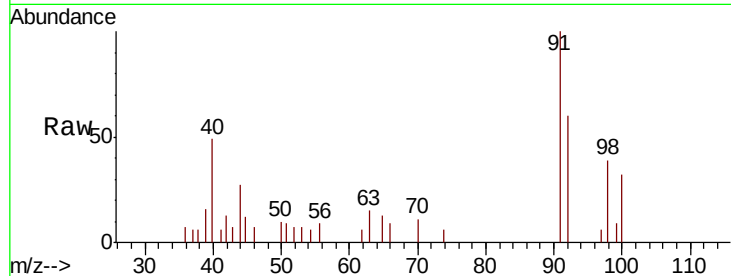
C0AB0

Tgt Ion: 91 Resp: 3796

Ion Ratio Lower Upper

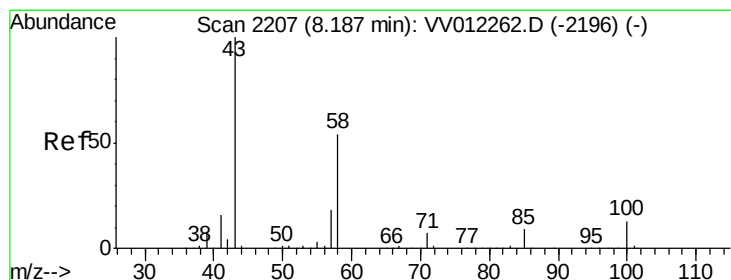
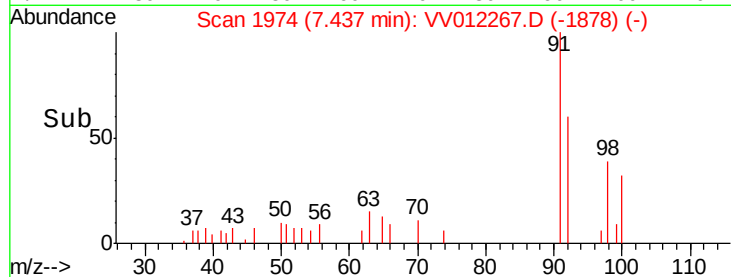
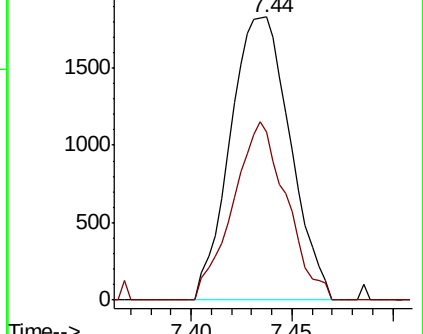
91 100

92 59.6 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#48

2-Hexanone

Concen: 2.718 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VV012267.D

Acq: 16 Aug 2019 13:38

Tgt Ion: 43 Resp: 13045

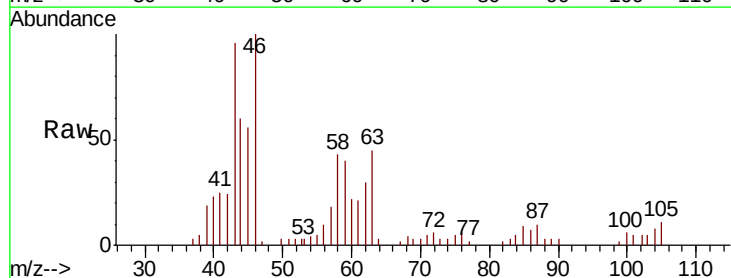
Ion Ratio Lower Upper

43 100

58 42.8 43.0 64.4#

57 21.8 14.9 22.3

100 3.5 10.3 15.5#

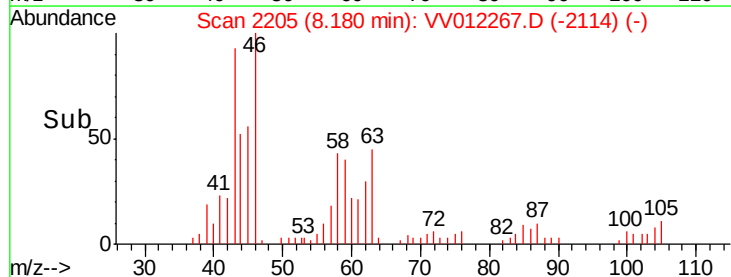
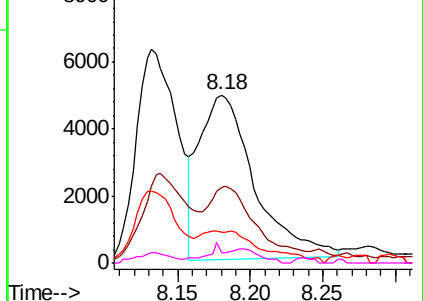


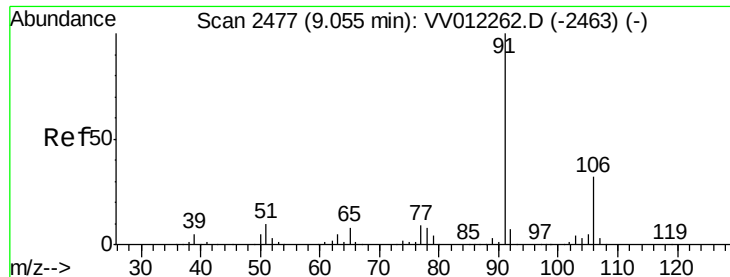
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#52

Ethylbenzene

Concen: 0.065 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV012267.D

Acq: 16 Aug 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

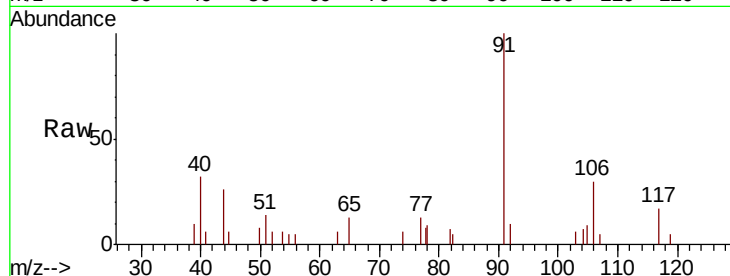
C0AB0

Tgt Ion: 91 Resp: 3673

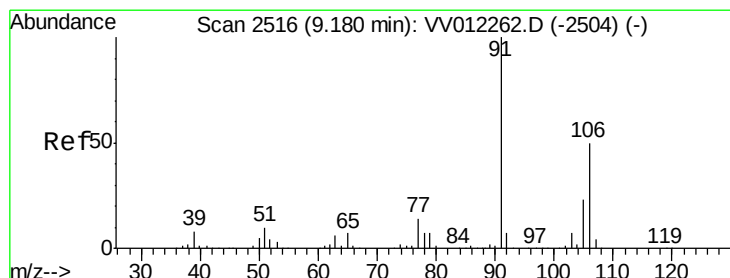
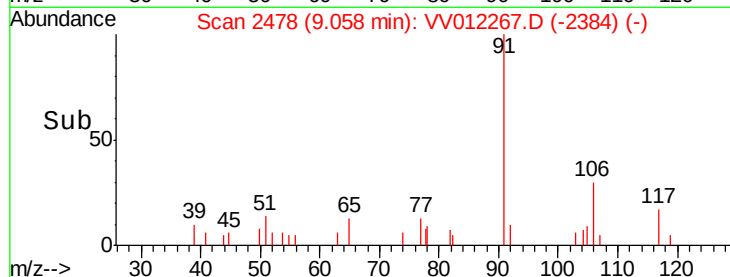
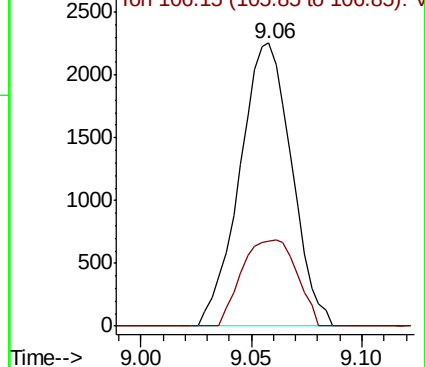
Ion Ratio Lower Upper

91 100

106 29.9 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VV012267.D (-2384) (-)



#53

m,p-xylene

Concen: 0.144 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012267.D

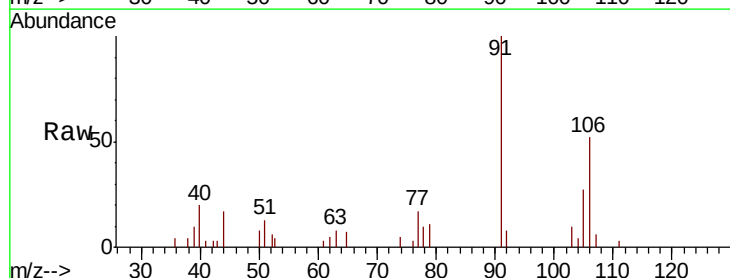
Acq: 16 Aug 2019 13:38

Tgt Ion: 106 Resp: 3115

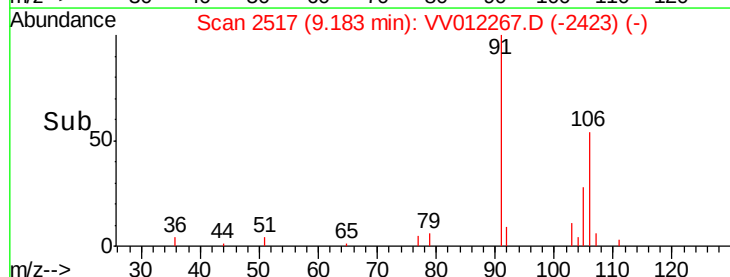
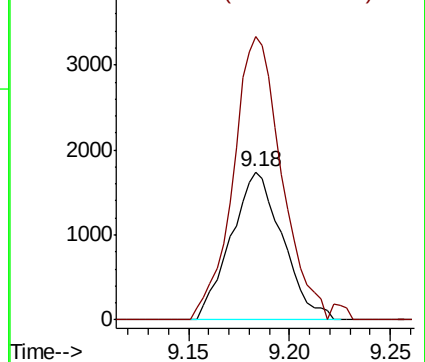
Ion Ratio Lower Upper

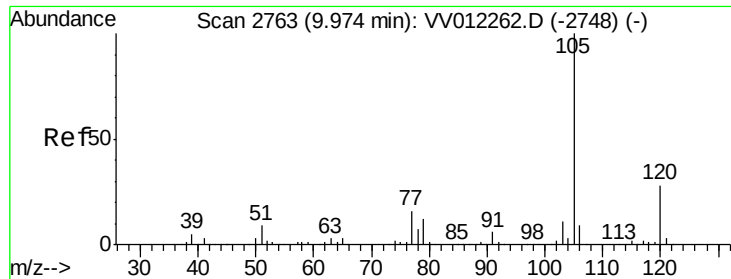
106 100

91 191.4 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV012267.D (-2423) (-)





#56

Isopropylbenzene

Concen: 0.090 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012267.D

Acq: 16 Aug 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

C0AB0

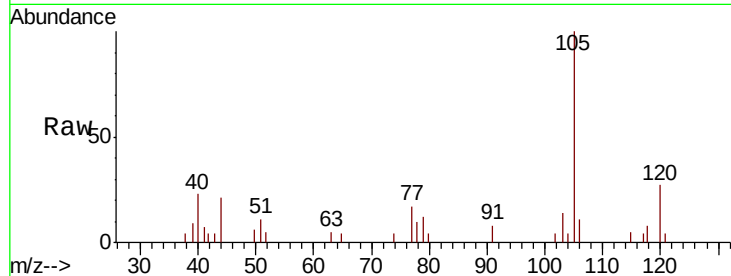
Tgt Ion:105 Resp: 4925

Ion Ratio Lower Upper

105 100

120 29.2 22.0 33.0

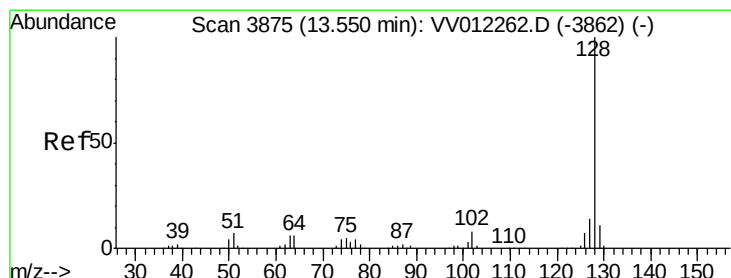
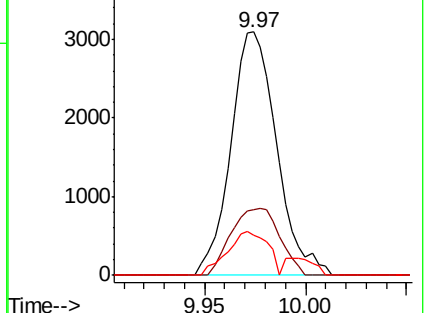
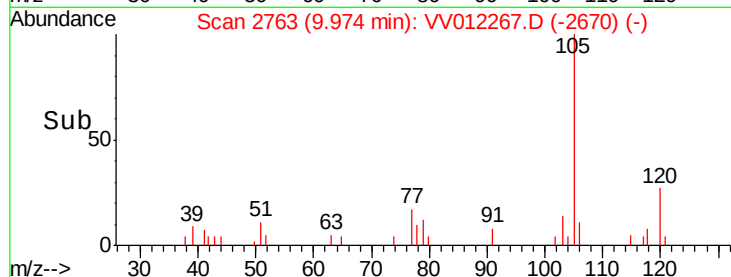
77 15.8 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#69

Naphthalene

Concen: 1.966 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012267.D

Acq: 16 Aug 2019 13:38

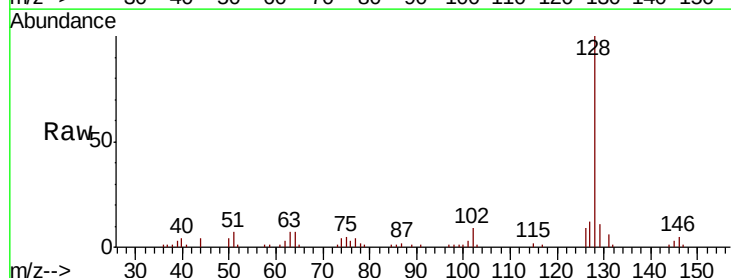
Tgt Ion:128 Resp: 35936

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

127 13.1 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

