

Data File : VV011885.D
Acq On : 15 Jul 2019 14:06
Operator : SY/MD
Sample : K3772-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52S2

Quant Time: Jul 16 03:59:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 16 03:56:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	188352	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	173397	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	81828	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56421	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.58	69	48056	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.13	63	58811	2.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.80%#
20) 2-Butanone-d5	3.94	46	123200	41.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.94%
24) Chloroform-d	4.40	84	97946	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.40%
26) 1,2-Dichloroethane-d4	5.08	65	52482	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
32) Benzene-d6	5.10	84	209235	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.12	67	66265	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.36	98	191045	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.67	79	21251	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.14	63	89338	42.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35795	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	70964	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

						Qvalue
13) Acetone	2.20	43	106711	58.588	ug/L	95
15) Methyl Acetate	2.20	43	101754	23.500	ug/L #	54
16) Methylene chloride	2.53	84	3011	0.282	ug/L	85
21) 2-Butanone	4.03	43	73582	22.270	ug/L	97
25) Chloroform	4.43	83	2773	0.100	ug/L	88
35) Methylcyclohexane	6.12	83	16120	0.713	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	7974	0.590	ug/L #	86
40) 4-Methyl-2-pentanone	7.28	43	16941	2.109	ug/L #	87
52) Ethylbenzene	9.06	91	12525	0.200	ug/L	99
53) m,p-xylene	9.18	106	4649	0.201	ug/L	95
54) o-xylene	9.59	106	3424	0.155	ug/L	95
55) Styrene	9.61	104	4294	0.116	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	3598	0.132	ug/L	90
65) 1,2-Dichlorobenzene	11.69	146	4749	0.190	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.50	75	268	0.174	ug/L #	3
69) Naphthalene	13.55	128	64731	2.665	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071519\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 16 03:56:26 2019
Response via : Initial Calibration

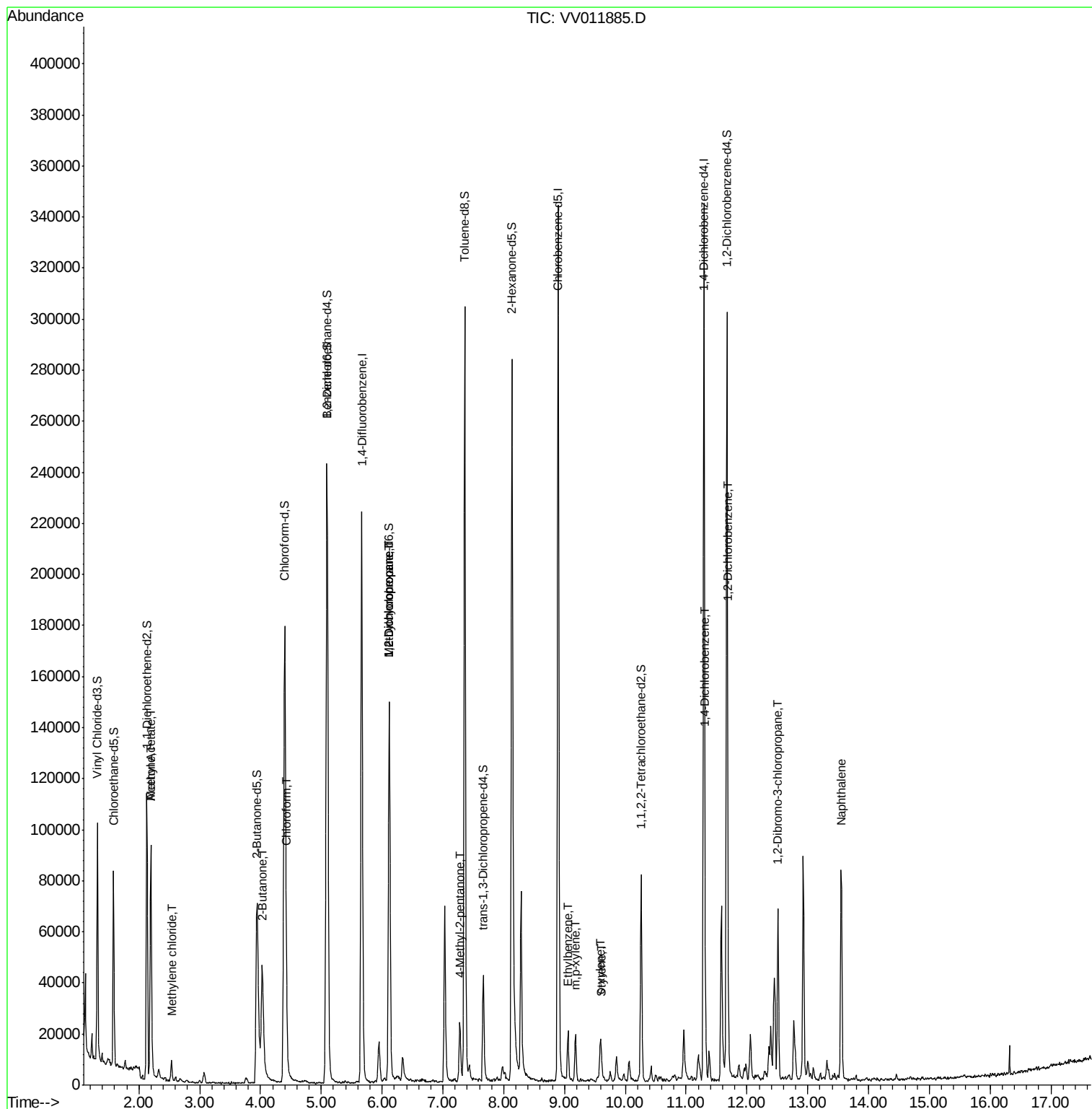
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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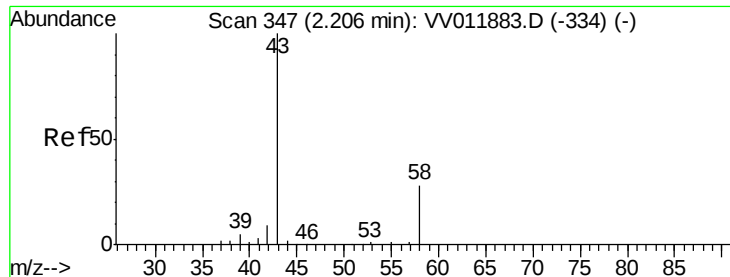
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 58.588 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV011885.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

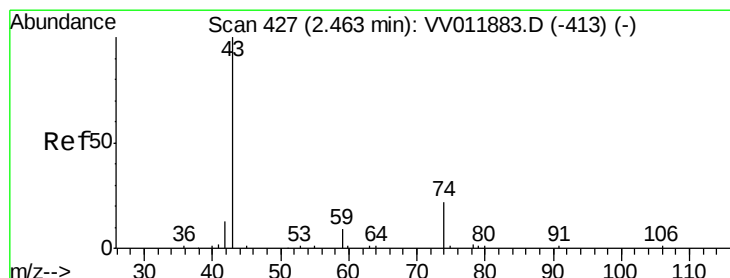
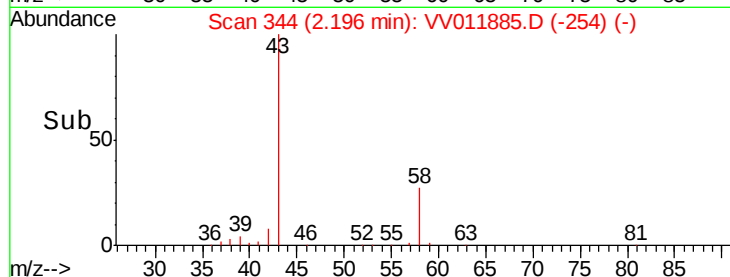
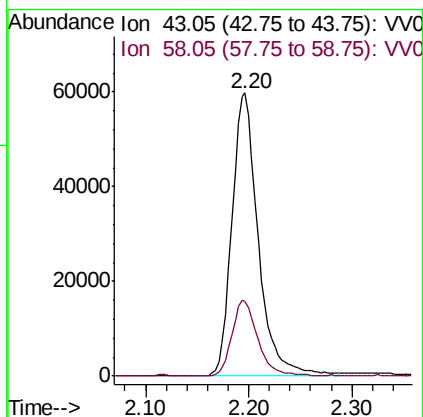
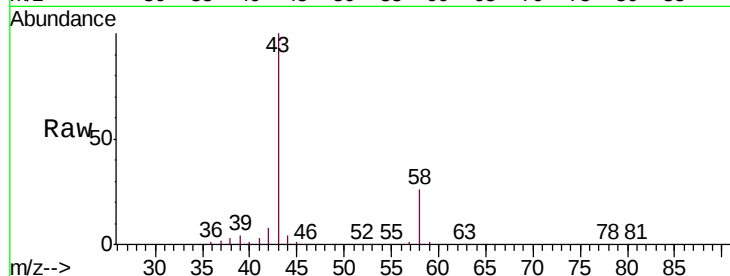
A52S2

Tgt Ion: 43 Resp: 106711

Ion Ratio Lower Upper

43 100

58 26.3 0.0 58.4



#15

Methyl Acetate

Concen: 23.500 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.27 min

Lab File: VV011885.D

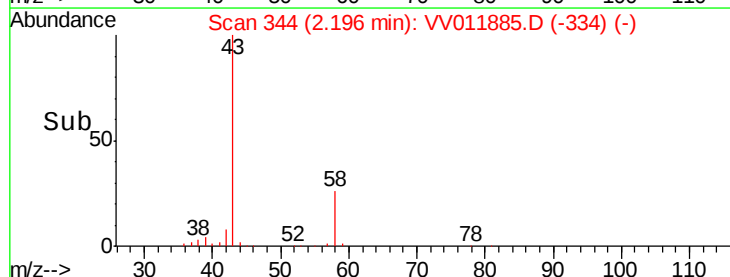
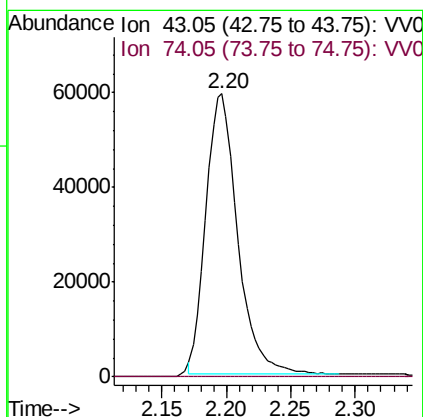
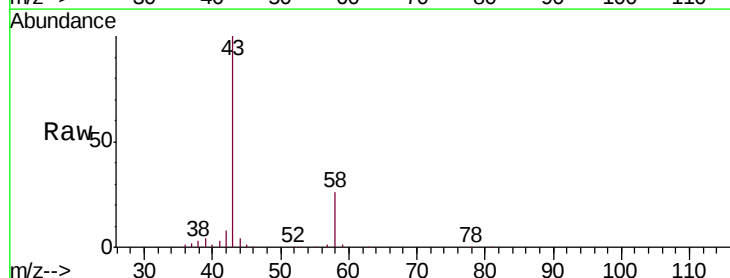
Acq: 15 Jul 2019 14:06

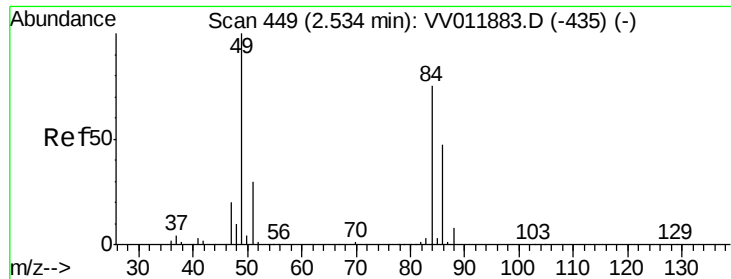
Tgt Ion: 43 Resp: 101754

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#

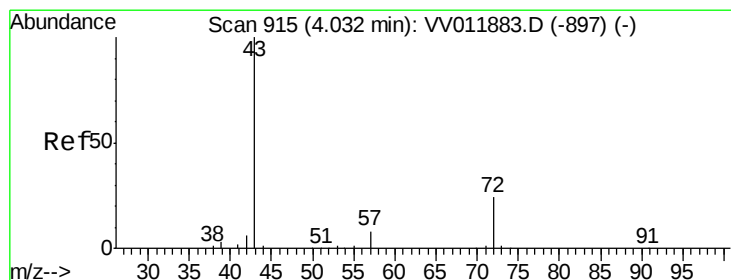
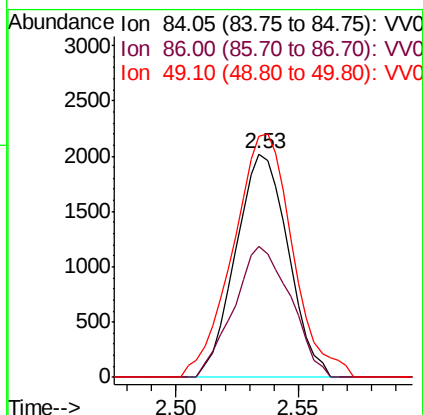
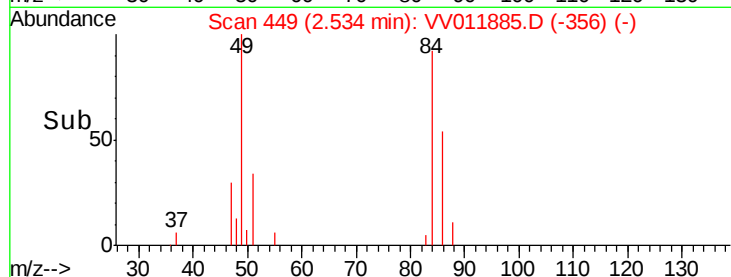
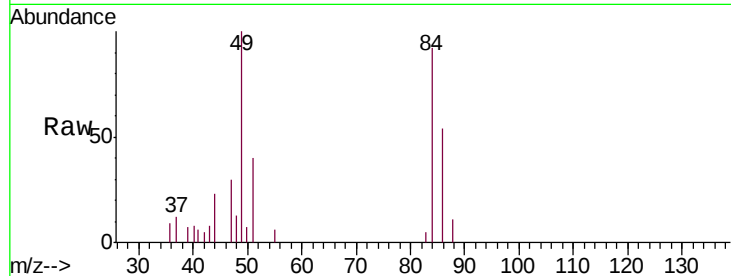




#16
Methylene chloride
Concen: 0.282 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV011885.D
Acq: 15 Jul 2019 14:06

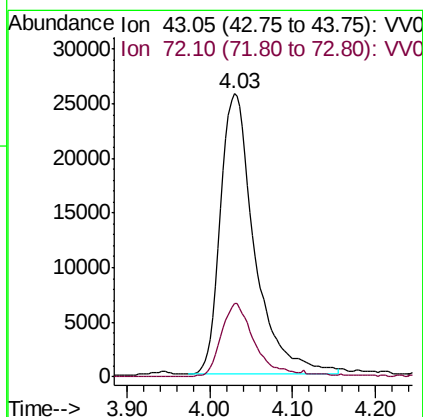
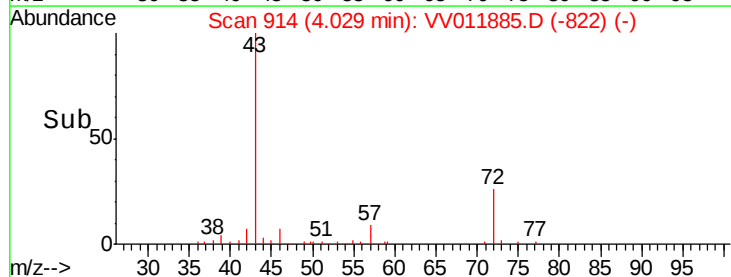
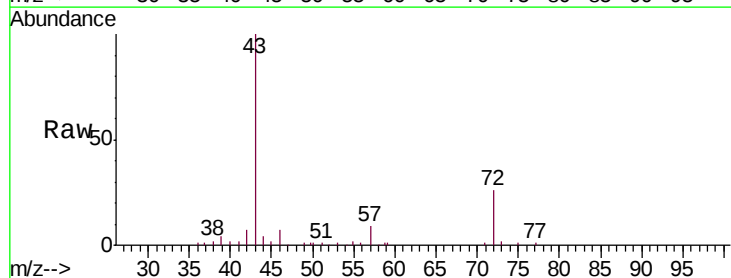
Instrument :
MSVOA_V
ClientSampleId :
A52S2

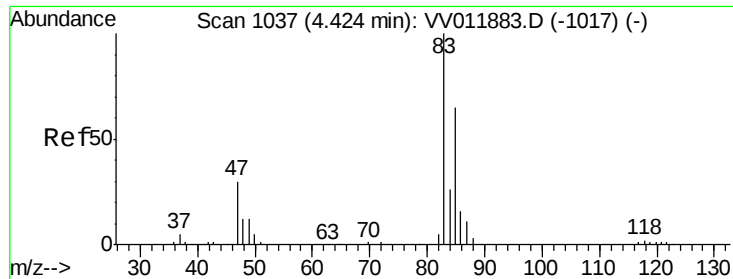
Tgt Ion: 84 Resp: 3011
Ion Ratio Lower Upper
84 100
86 58.9 43.9 81.5
49 108.2 92.6 172.0



#21
2-Butanone
Concen: 22.270 ug/L
RT: 4.03 min Scan# 914
Delta R.T. -0.00 min
Lab File: VV011885.D
Acq: 15 Jul 2019 14:06

Tgt Ion: 43 Resp: 73582
Ion Ratio Lower Upper
43 100
72 25.6 12.2 36.4

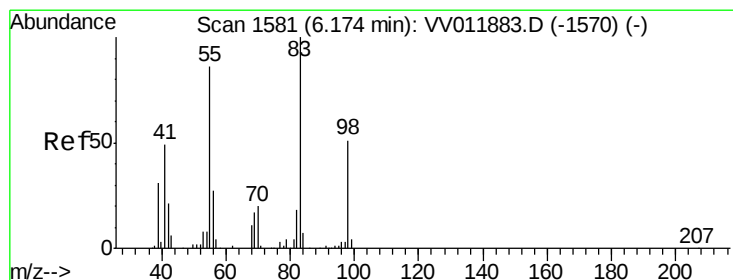
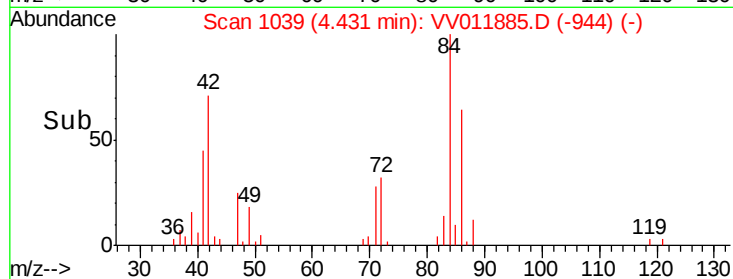
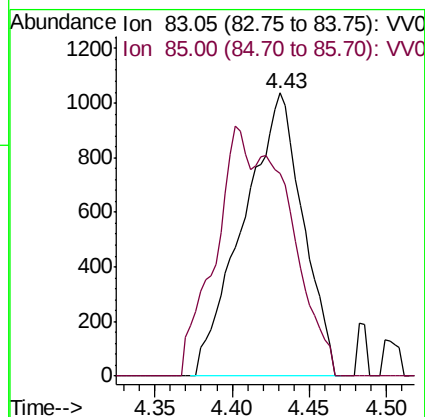
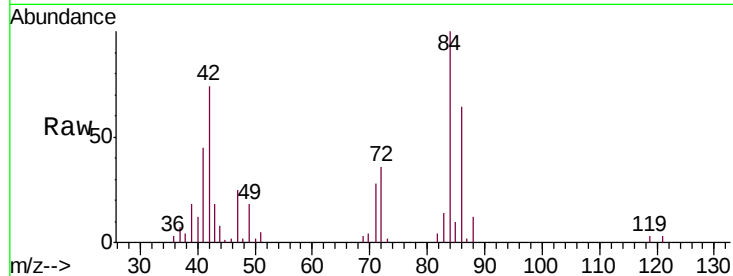




#25
Chloroform
Concen: 0.100 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV011885.D
Acq: 15 Jul 2019 14:06

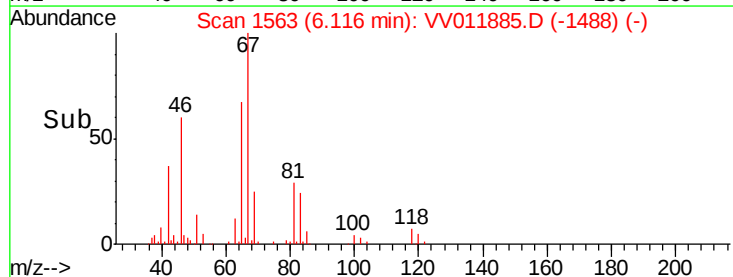
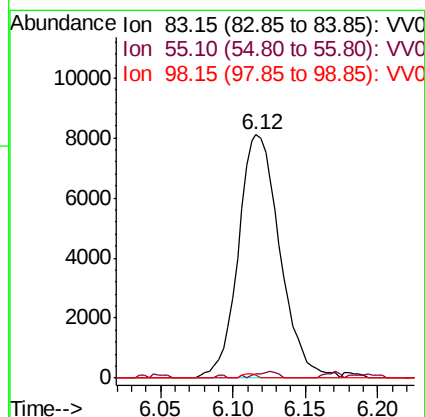
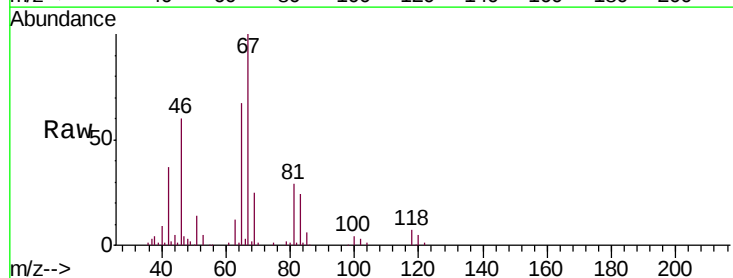
Instrument :
MSVOA_V
ClientSampleId :
A52S2

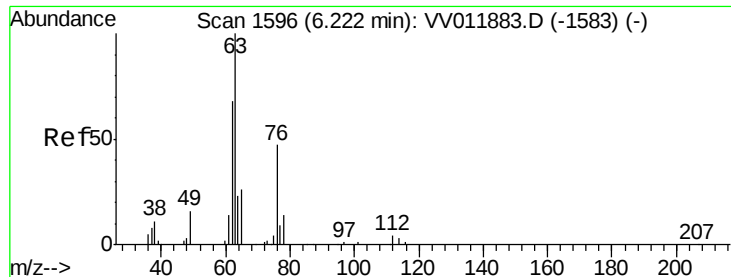
Tgt Ion: 83 Resp: 2773
Ion Ratio Lower Upper
83 100
85 71.6 43.8 81.4



#35
Methylcyclohexane
Concen: 0.713 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011885.D
Acq: 15 Jul 2019 14:06

Tgt Ion: 83 Resp: 16120
Ion Ratio Lower Upper
83 100
55 1.5 63.6 95.4#
98 0.6 39.1 58.7#





#37

1,2-Dichloropropane

Concen: 0.590 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV011885.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

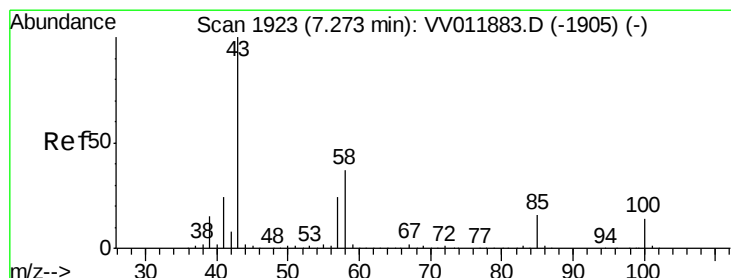
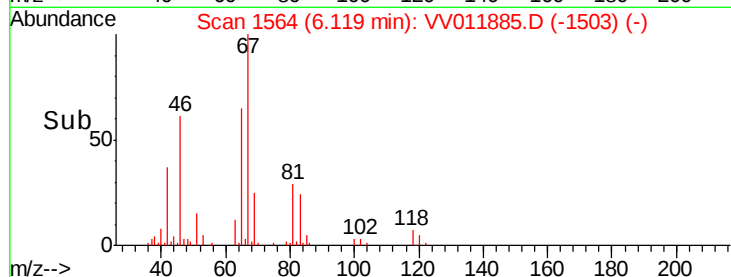
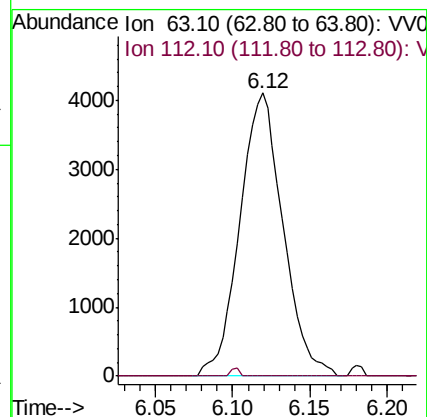
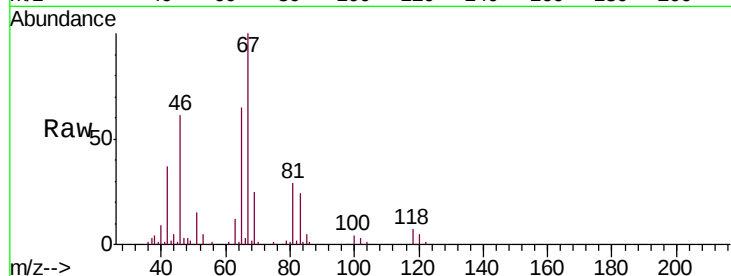
A52S2

Tgt Ion: 63 Resp: 7974

Ion Ratio Lower Upper

63 100

112 0.5 4.2 6.2#



#40

4-Methyl-2-pentanone

Concen: 2.109 ug/L

RT: 7.28 min Scan# 1925

Delta R.T. 0.01 min

Lab File: VV011885.D

Acq: 15 Jul 2019 14:06

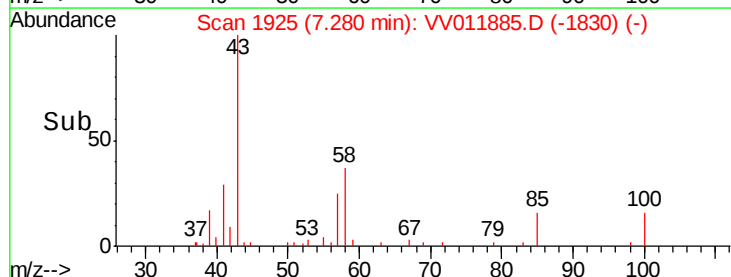
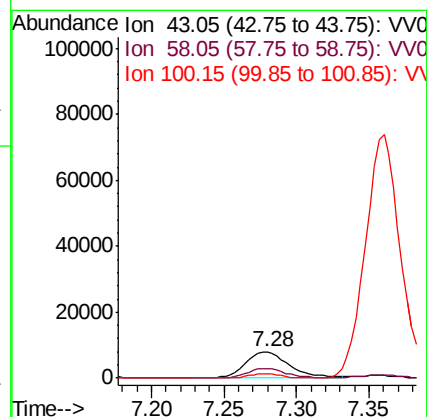
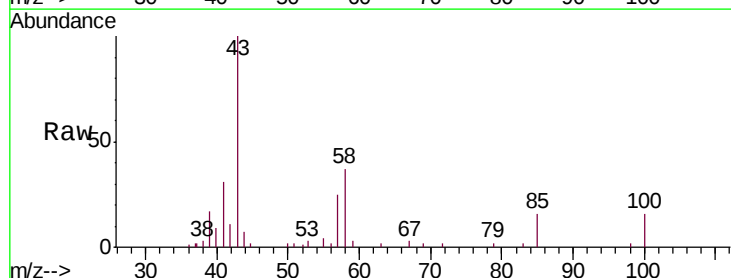
Tgt Ion: 43 Resp: 16941

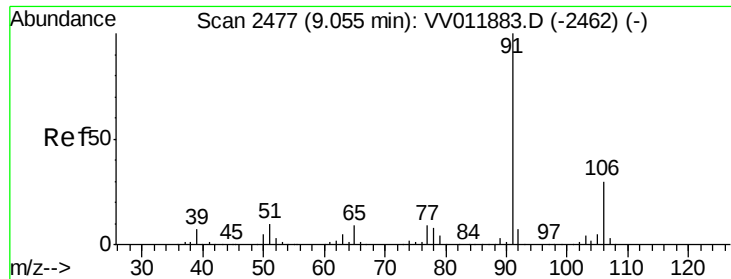
Ion Ratio Lower Upper

43 100

58 33.4 29.1 43.7

100 0.0 11.2 16.8#





#52

Ethylbenzene

Concen: 0.200 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV011885.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_V

ClientSampled :

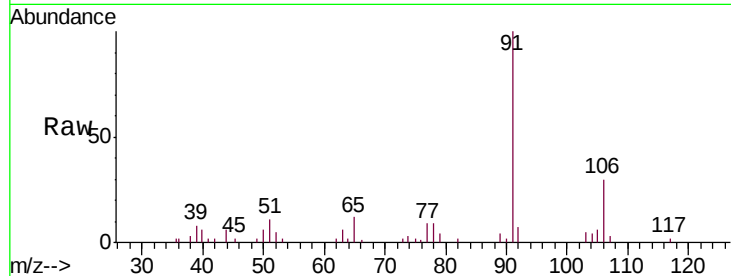
A52S2

Tgt Ion: 91 Resp: 12525

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV011885.D (-2462) (-)

Ion 106.15 (105.85 to 106.85): VV011885.D (-2462) (-)

9.06

8000

6000

4000

2000

0

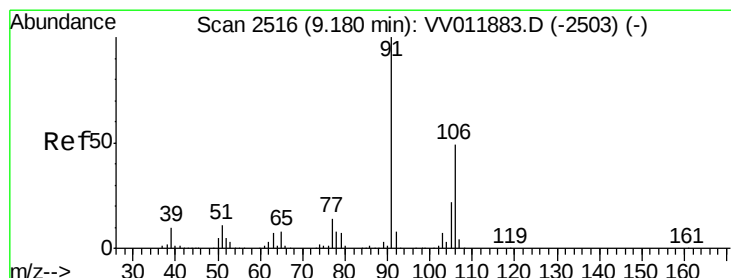
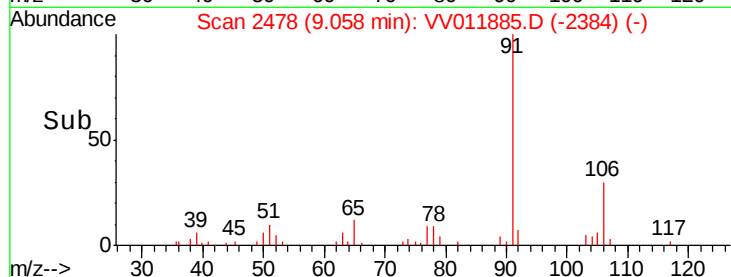
9.00

9.05

9.10

9.15

Time-->



#53

m,p-xylene

Concen: 0.201 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011885.D

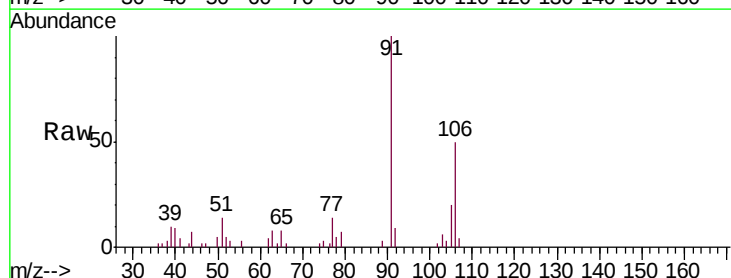
Acq: 15 Jul 2019 14:06

Tgt Ion: 106 Resp: 4649

Ion Ratio Lower Upper

106 100

91 199.3 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): VV011885.D (-2503) (-)

Ion 91.15 (90.85 to 91.85): VV011885.D (-2503) (-)

9.18

6000

4000

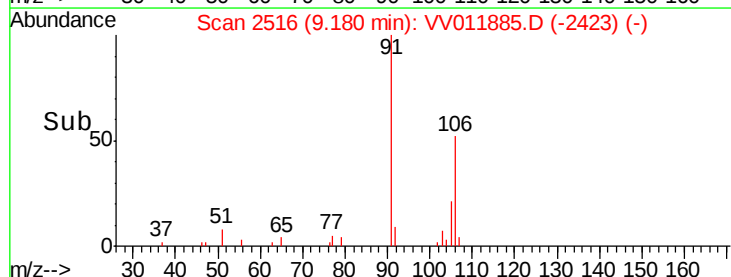
2000

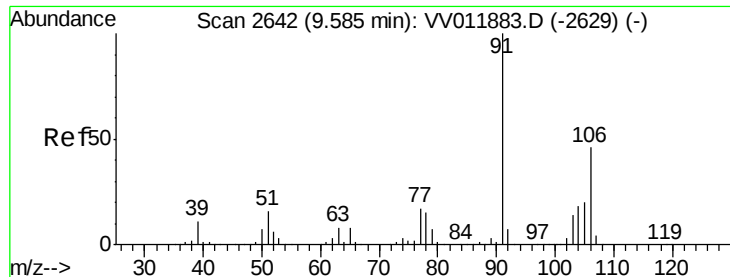
0

9.15

9.20

Time-->





#54

o-xylene

Concen: 0.155 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.01 min

Lab File: VV011885.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

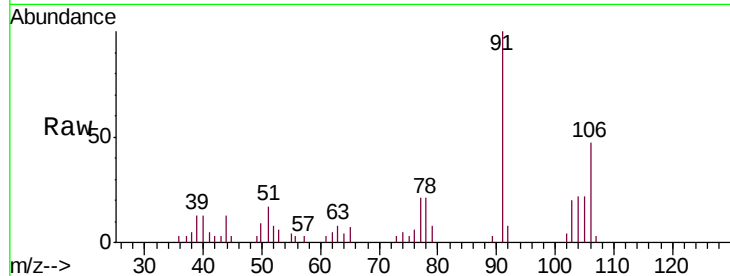
A52S2

Tgt Ion:106 Resp: 3424

Ion Ratio Lower Upper

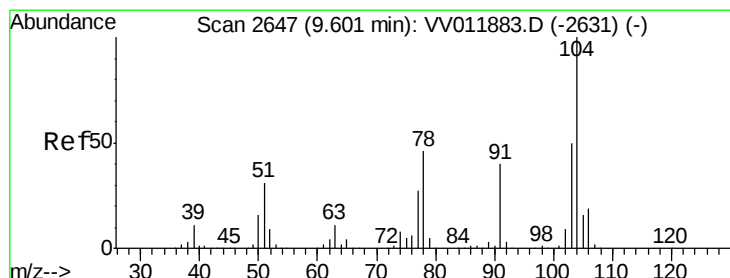
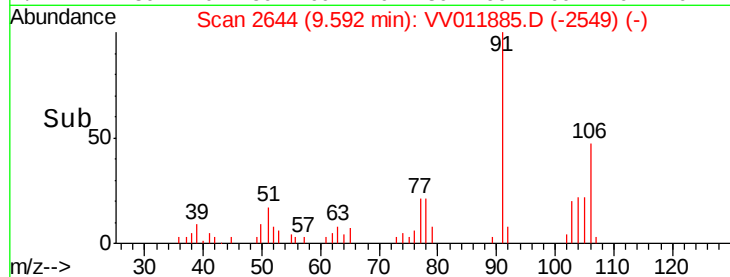
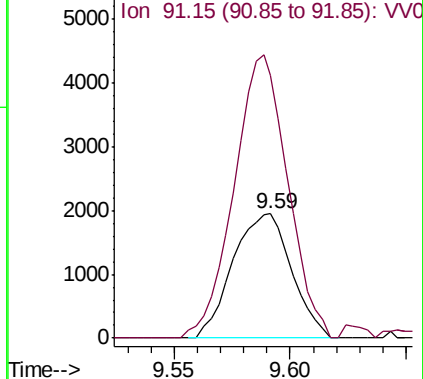
106 100

91 210.7 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.116 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.01 min

Lab File: VV011885.D

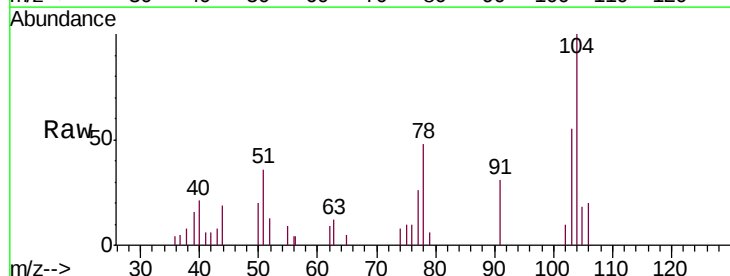
Acq: 15 Jul 2019 14:06

Tgt Ion:104 Resp: 4294

Ion Ratio Lower Upper

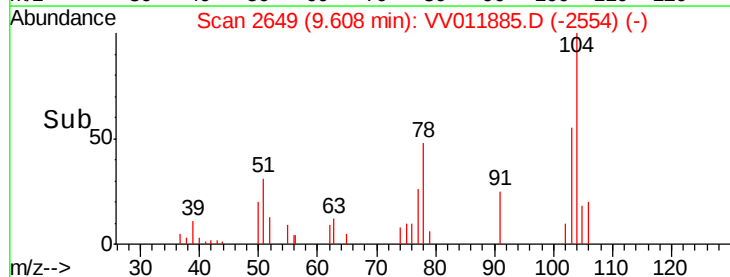
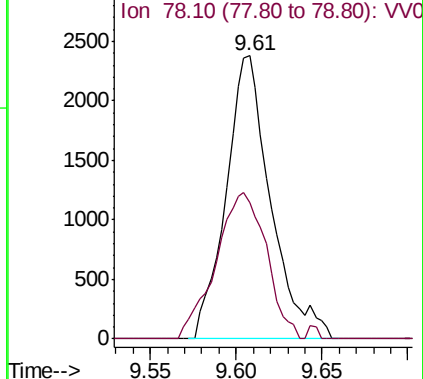
104 100

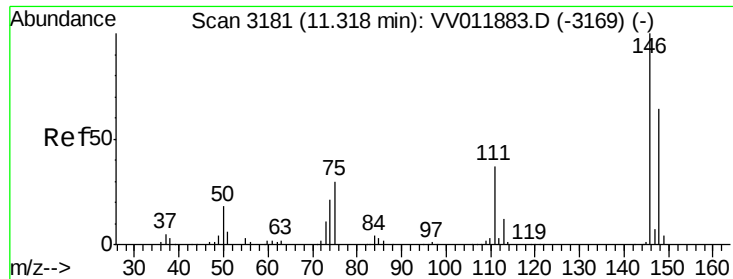
78 48.3 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

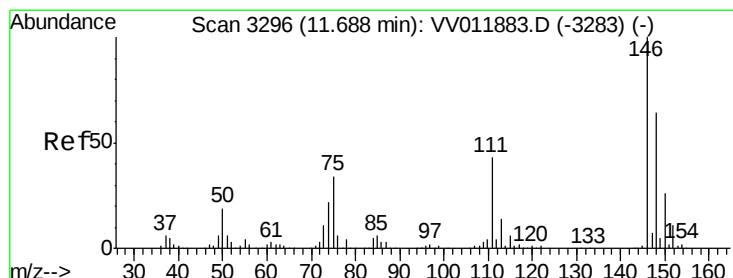
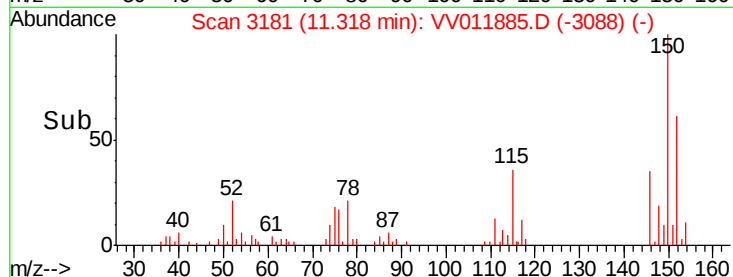
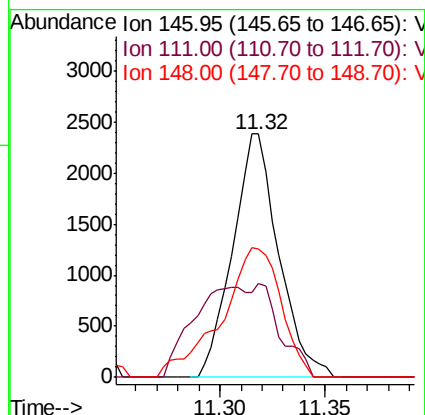
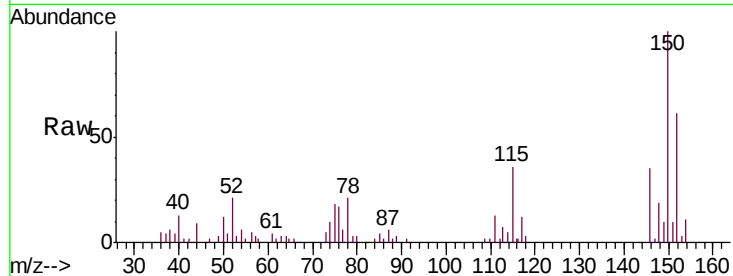




#63
 1,4-Dichlorobenzene
 Concen: 0.132 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011885.D
 Acq: 15 Jul 2019 14:06

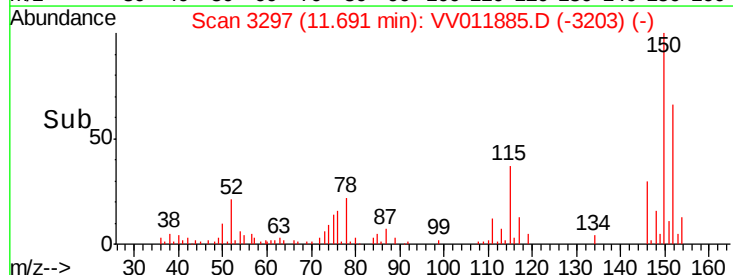
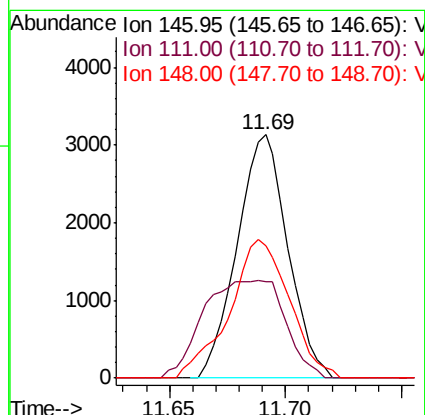
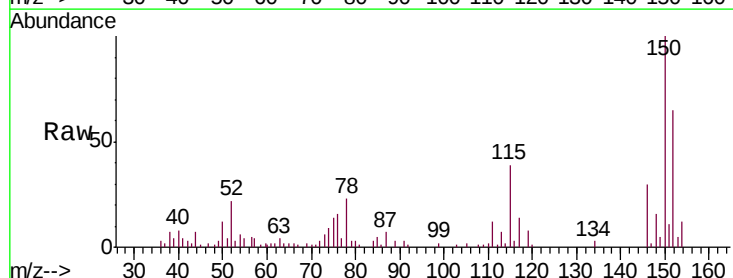
Instrument :
 MSVOA_V
 ClientSampleId :
 A52S2

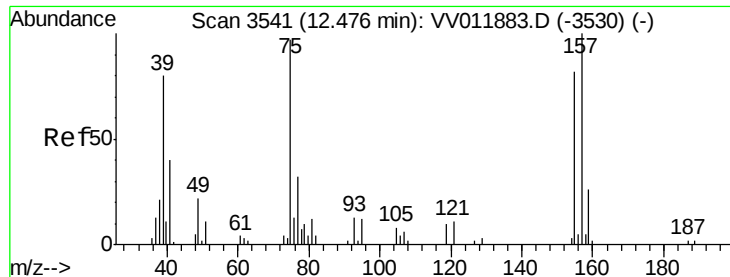
Tgt Ion:146 Resp: 3598
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.6 49.4
 148 53.0 46.0 85.4



#65
 1,2-Dichlorobenzene
 Concen: 0.190 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011885.D
 Acq: 15 Jul 2019 14:06

Tgt Ion:146 Resp: 4749
 Ion Ratio Lower Upper
 146 100
 111 39.5 34.7 52.1
 148 54.5 51.4 77.0

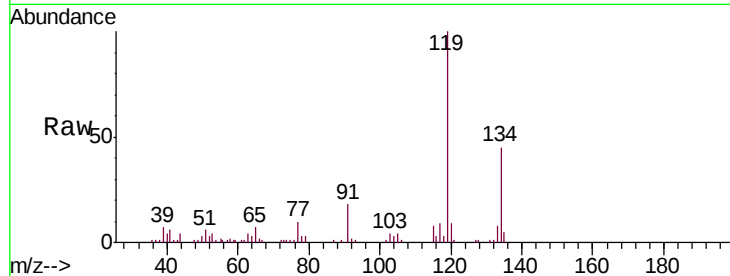




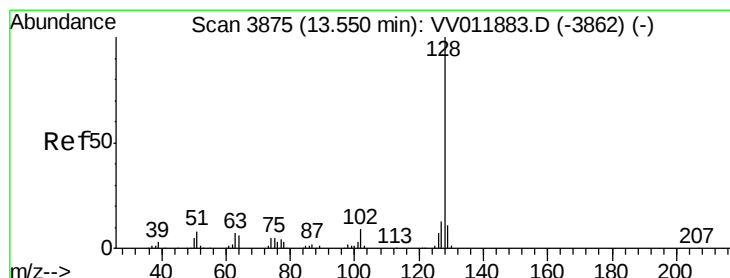
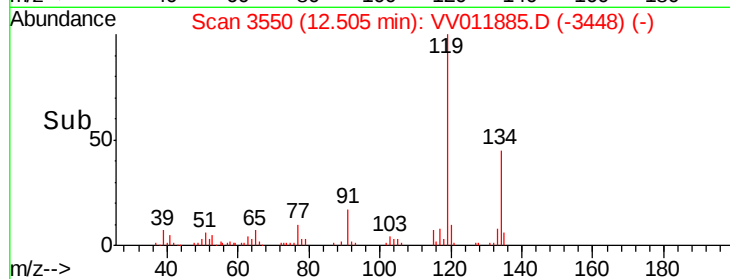
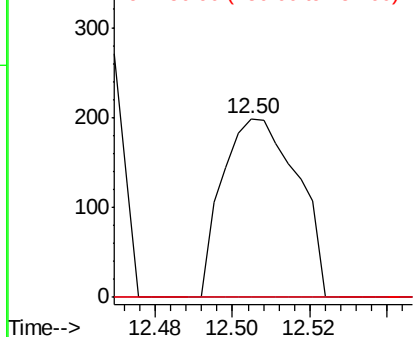
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.174 ug/L
 RT: 12.50 min Scan# 3550
 Delta R.T. 0.03 min
 Lab File: VV011885.D
 Acq: 15 Jul 2019 14:06

Instrument :
 MSVOA_V
 ClientSampleId :
 A52S2

Tgt Ion: 75 Resp: 268
 Ion Ratio Lower Upper
 75 100
 155 0.0 68.7 103.1#
 157 0.0 80.2 120.2#

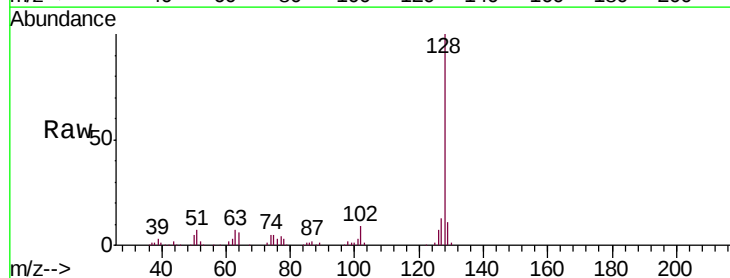


Abundance Ion 75.05 (74.75 to 75.75): VV011885.D (-3530) (-)
 Ion 154.95 (154.65 to 155.65): VV011885.D (-3530) (-)
 Ion 156.90 (156.60 to 157.60): VV011885.D (-3530) (-)



#69
 Naphthalene
 Concen: 2.665 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV011885.D
 Acq: 15 Jul 2019 14:06

Tgt Ion: 128 Resp: 64731
 Ion Ratio Lower Upper
 128 100
 129 10.4 8.6 13.0
 127 12.9 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): VV011885.D (-3862) (-)
 Ion 129.00 (128.70 to 129.70): VV011885.D (-3862) (-)
 Ion 127.00 (126.70 to 127.70): VV011885.D (-3862) (-)

