

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
 Data File : VV008496.D
 Acq On : 31 Oct 2018 15:32
 Operator : SY/MD
 Sample : VSTD10054
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10056

Quant Time: Oct 31 23:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 31 23:42:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	203211	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	190032	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	95563	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	134550	115.11	ug/L	0.00
7) Chloroethane-d5	1.56	69	69243	84.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	216234	105.25	ug/L	0.00
21) 2-Butanone-d5	3.94	46	260308	211.48	ug/L	0.00
24) Chloroform-d	4.41	84	298146	106.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	195982	104.49	ug/L	0.00
32) Benzene-d6	5.10	84	586878	106.27	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	196601	103.17	ug/L	0.00
41) Toluene-d8	7.36	98	543141	108.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	101651	109.55	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	204463	207.64	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	280553	108.14	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	209828	105.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	159277	108.614 ug/L	100
3) Chloromethane	1.25	50	158294	101.972 ug/L	100
5) Vinyl chloride	1.33	62	149198	103.592 ug/L	98
6) Bromomethane	1.51	94	36988	94.804 ug/L	100
8) Chloroethane	1.58	64	77315	101.311 ug/L	99
9) Trichlorofluoromethane	1.76	101	180756	98.712 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	95302	99.184 ug/L	98
12) 1,1-Dichloroethene	2.14	96	89873	99.275 ug/L	88
13) Acetone	2.19	43	216333	216.093 ug/L	100
14) Carbon disulfide	2.32	76	422146	102.983 ug/L	100
15) Methyl Acetate	2.46	43	180631	96.634 ug/L	99
16) Methylene chloride	2.54	84	151550	96.323 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	137945	99.872 ug/L	99
18) Methyl tert-butyl Ether	2.81	73	486969	98.879 ug/L	100
19) 1,1-Dichloroethane	3.23	63	277653	97.860 ug/L	100
20) cis-1,2-Dichloroethene	3.97	96	156943	99.741 ug/L	97
22) 2-Butanone	4.02	43	294873	210.191 ug/L	99
23) Bromochloromethane	4.31	128	73697	99.607 ug/L	96
25) Chloroform	4.43	83	273423	98.576 ug/L	97
27) 1,2-Dichloroethane	5.18	62	224123	97.223 ug/L	99
29) Cyclohexane	4.73	56	270331	98.334 ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	241537	98.865 ug/L	98
31) Carbon tetrachloride	4.88	117	207944	100.202 ug/L	99
33) Benzene	5.15	78	602991	97.813 ug/L	100
34) Trichloroethene	5.96	95	154696	97.975 ug/L	99
35) Methylcyclohexane	6.18	83	267677	99.548 ug/L	98
37) 1,2-Dichloropropane	6.23	63	164837	96.651 ug/L	99
38) Bromodichloromethane	6.56	83	211621	97.593 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	266311	99.524 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	498865	197.454 ug/L	100

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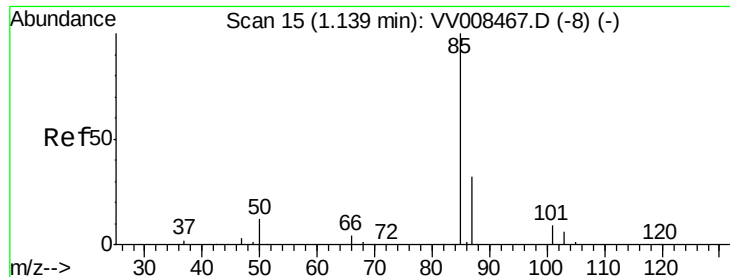
Instrument :
 MSVOA_V
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Quant Time: Oct 31 23:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.43	91	625602	97.975	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	251035	100.155	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	145257	96.746	ug/L	98
46) Tetrachloroethene	8.02	164	103496	99.873	ug/L	96
48) 2-Hexanone	8.19	43	408055	206.206	ug/L	98
49) Dibromochloromethane	8.30	129	164166	101.626	ug/L	99
50) 1,2-Dibromoethane	8.40	107	155284	98.585	ug/L	99
51) Chlorobenzene	8.93	112	395467	100.213	ug/L	100
52) Ethylbenzene	9.06	91	717252	100.065	ug/L	99
53) m,p-Xylene	9.19	106	269383	102.345	ug/L	100
54) o-xylene	9.59	106	263470	100.311	ug/L	99
55) Styrene	9.61	104	457898	103.571	ug/L	100
56) Isopropylbenzene	9.98	105	697506	101.520	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	265386	100.376	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	214436	100.001	ug/L	99
61) Bromoform	9.78	173	116518	97.599	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	310014	98.486	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	314093	99.740	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	312426	97.474	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	63084	96.538	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	213735	103.762	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	180222	108.954	ug/L	100
69) Naphthalene	13.55	128	566875	106.825	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	178379	107.649	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 108.614 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

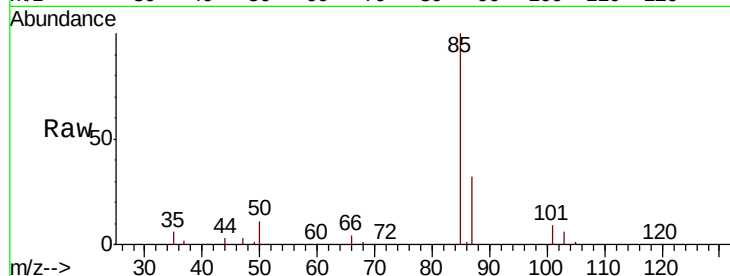
VSTD10056

Tgt Ion: 85 Resp: 159277

Ion Ratio Lower Upper

85 100

87 32.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV008467.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008467.D (-8) (-)

1.14

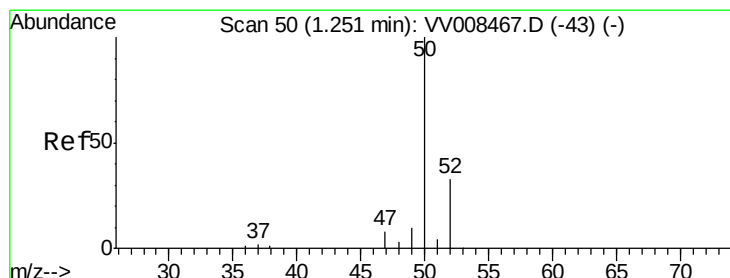
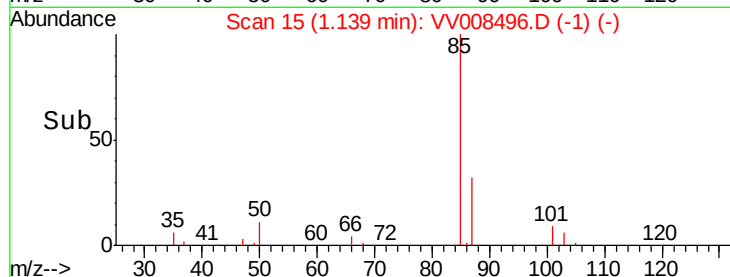
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 101.972 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008496.D

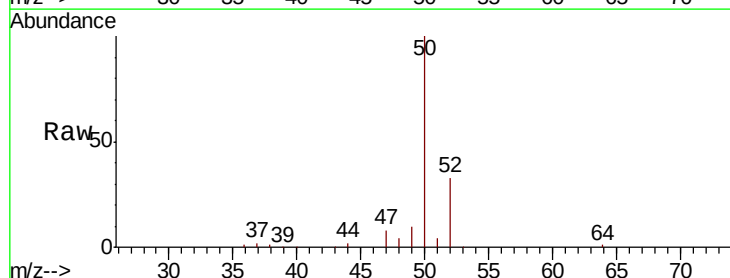
Acq: 31 Oct 2018 15:32

Tgt Ion: 50 Resp: 158294

Ion Ratio Lower Upper

50 100

52 33.3 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV008467.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008467.D (-43) (-)

1.25

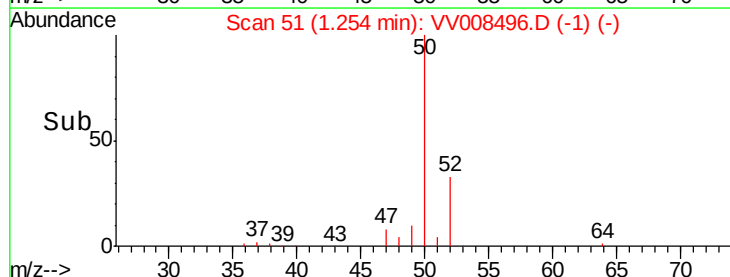
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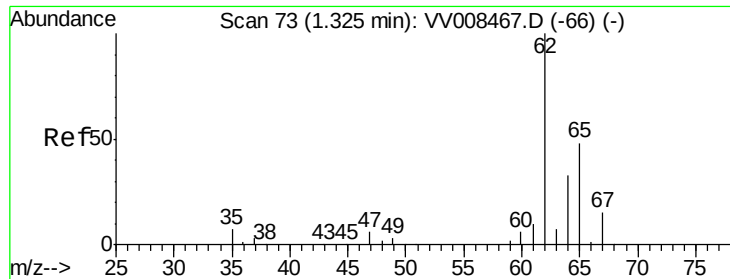
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 103.592 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

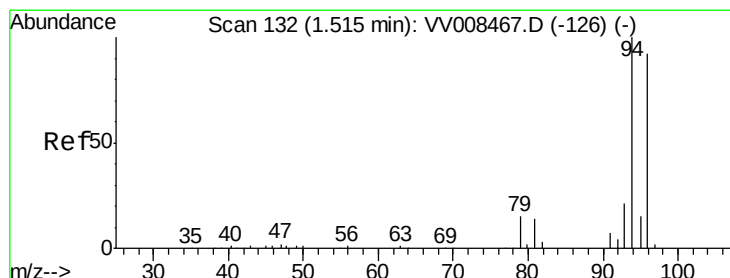
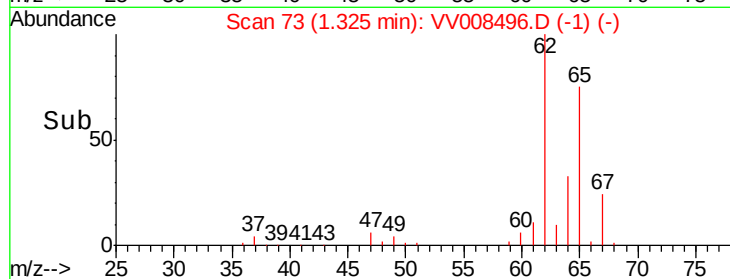
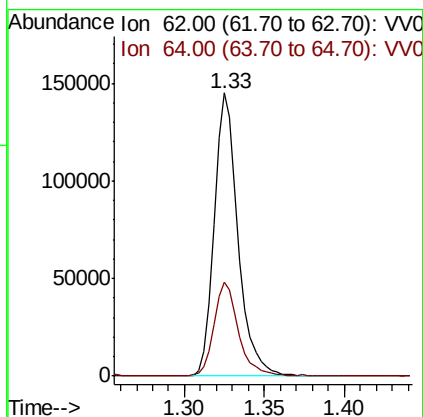
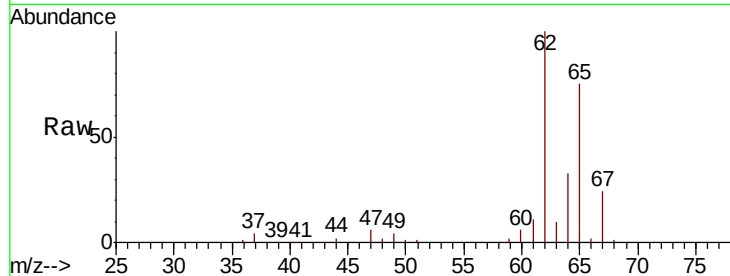
VSTD10056

Tgt Ion: 62 Resp: 149198

Ion Ratio Lower Upper

62 100

64 33.4 24.2 45.0



#6

Bromomethane

Concen: 94.804 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008496.D

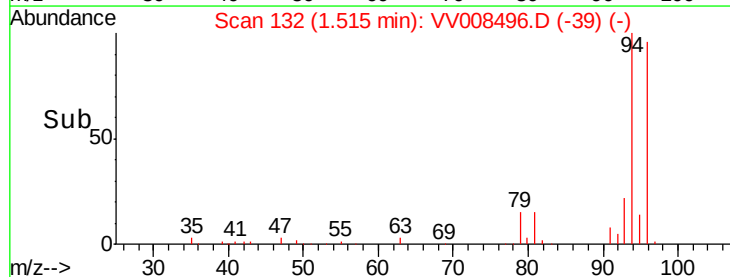
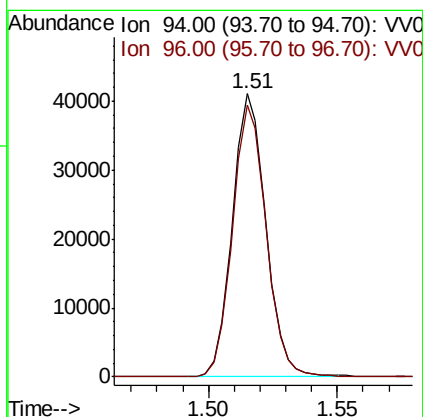
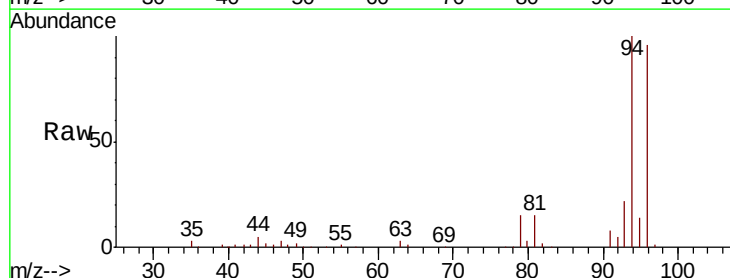
Acq: 31 Oct 2018 15:32

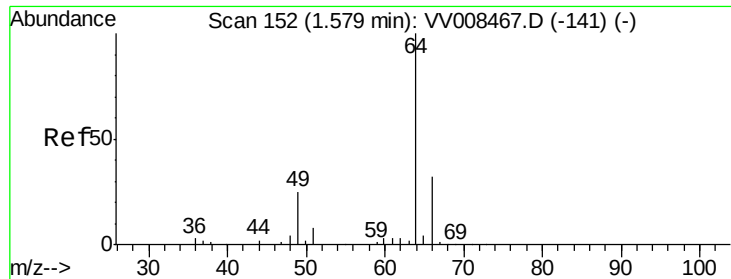
Tgt Ion: 94 Resp: 36988

Ion Ratio Lower Upper

94 100

96 95.9 67.2 124.8





#8

Chloroethane

Concen: 101.311 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

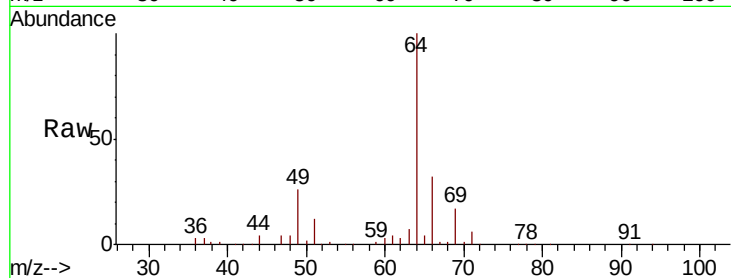
VSTD10056

Tgt Ion: 64 Resp: 77315

Ion Ratio Lower Upper

64 100

66 31.6 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV008467.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008467.D (-141) (-)

1.58

60000

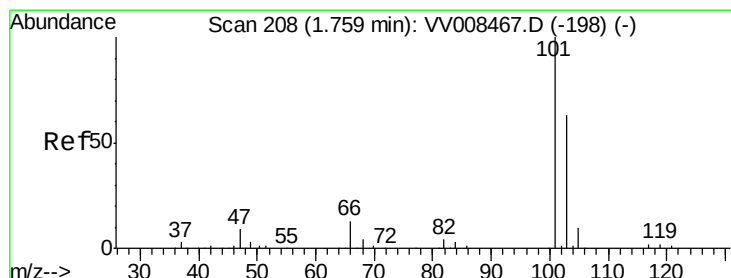
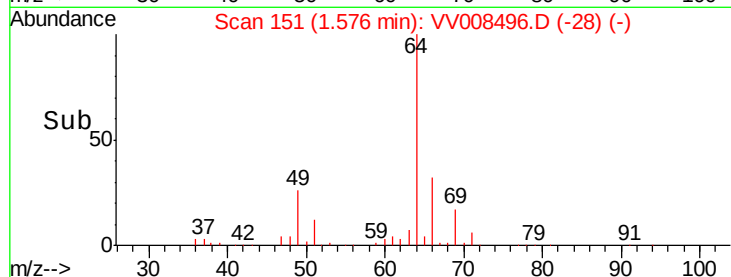
40000

20000

0

1.50 1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 98.712 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV008496.D

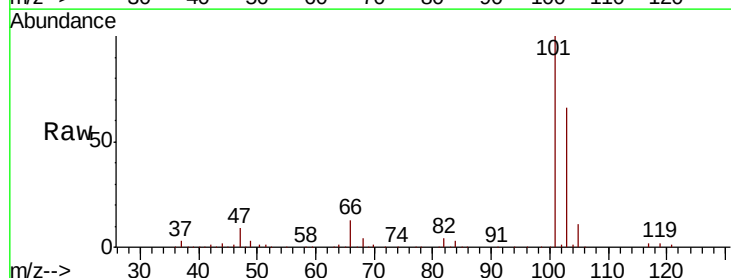
Acq: 31 Oct 2018 15:32

Tgt Ion: 101 Resp: 180756

Ion Ratio Lower Upper

101 100

103 64.7 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VV008467.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV008467.D (-198) (-)

1.76

150000

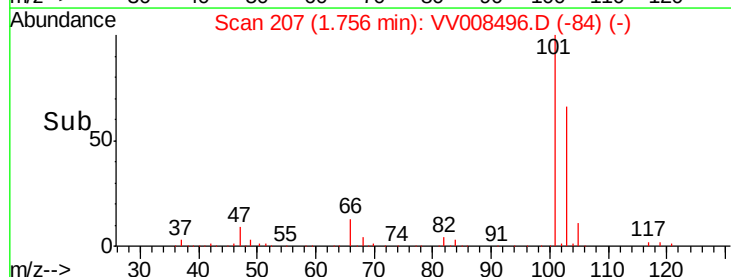
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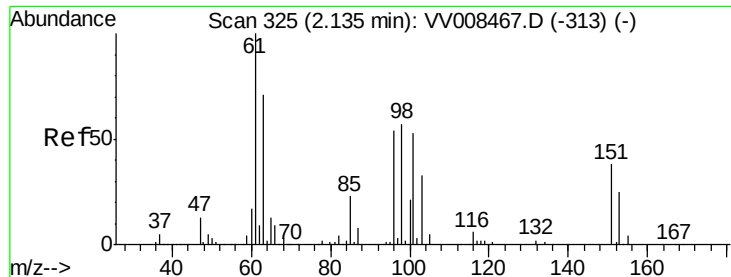
50000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 99.184 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD10056

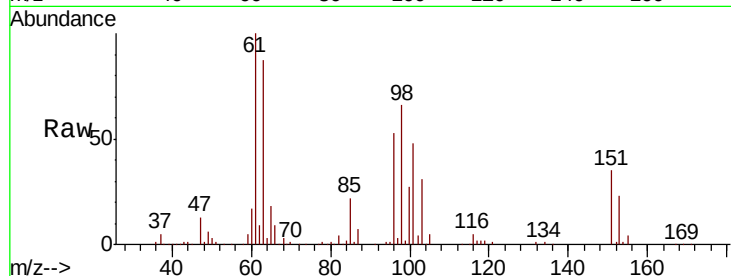
Tgt Ion: 101 Resp: 95302

Ion Ratio Lower Upper

101 100

85 45.3 35.6 53.4

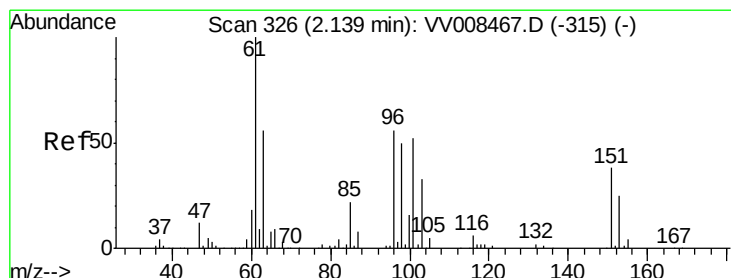
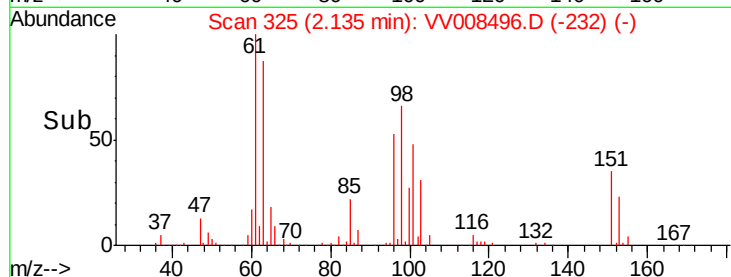
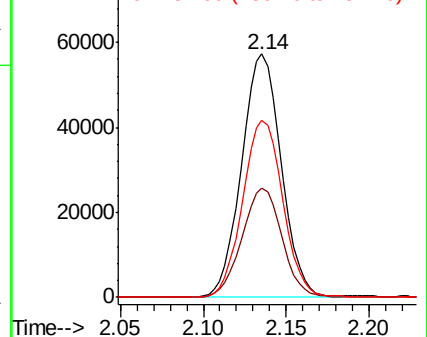
151 73.8 57.8 86.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 99.275 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

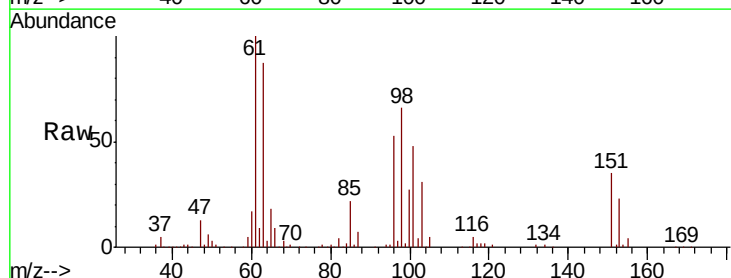
Tgt Ion: 96 Resp: 89873

Ion Ratio Lower Upper

96 100

61 188.3 129.8 241.2

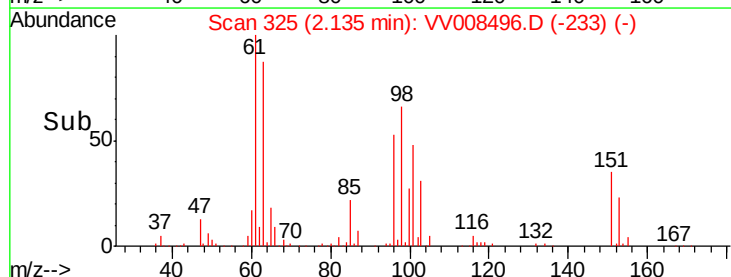
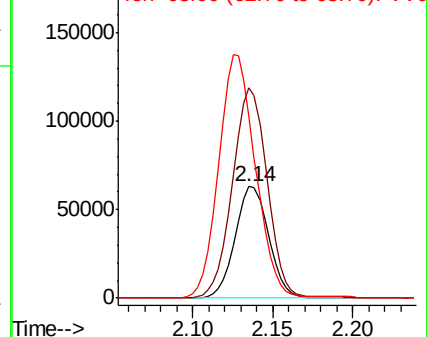
63 163.3 93.0 172.6

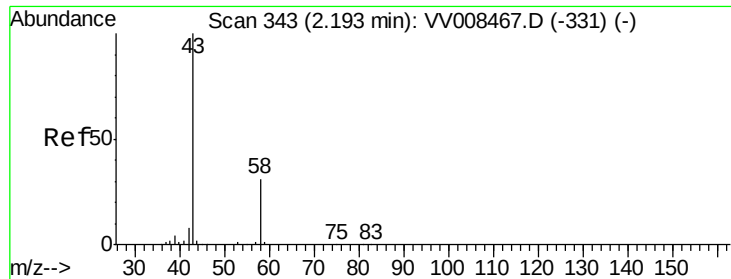


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 216.093 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

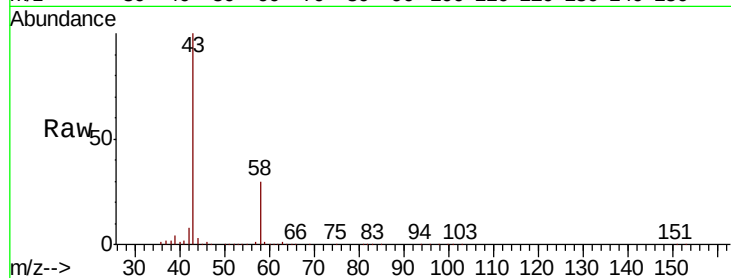
VSTD10056

Tgt Ion: 43 Resp: 216333

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008496.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV008496.D (-250) (-)

2.19

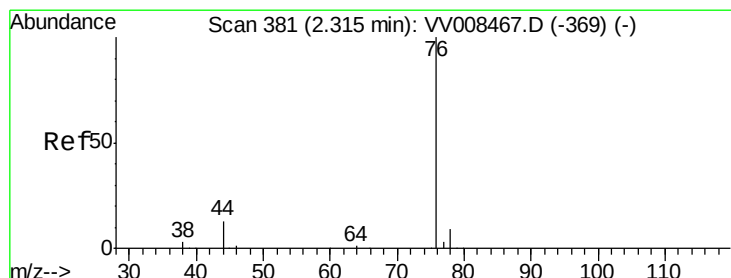
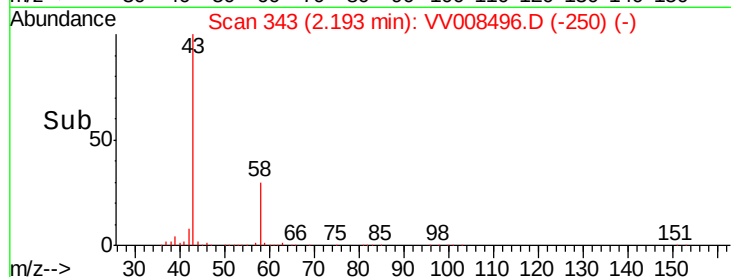
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 102.983 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008496.D

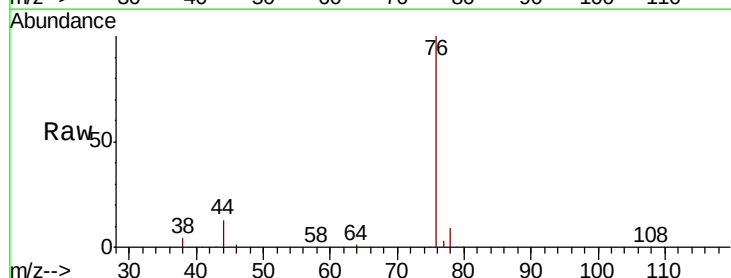
Acq: 31 Oct 2018 15:32

Tgt Ion: 76 Resp: 422146

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008496.D (-288) (-)

Ion 78.00 (77.70 to 78.70): VV008496.D (-288) (-)

2.32

300000

250000

200000

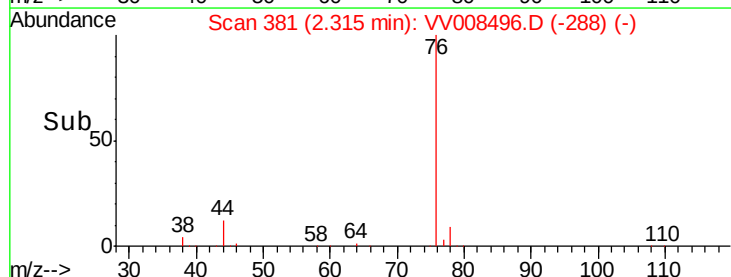
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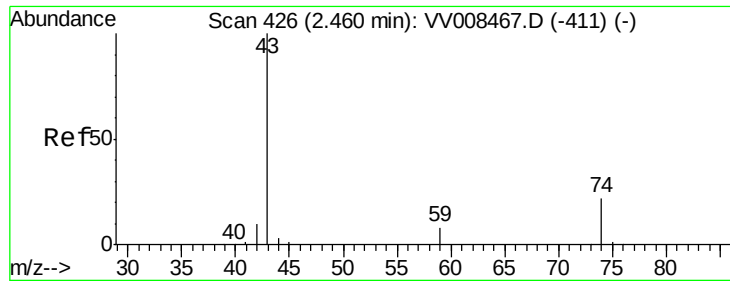
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 96.634 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

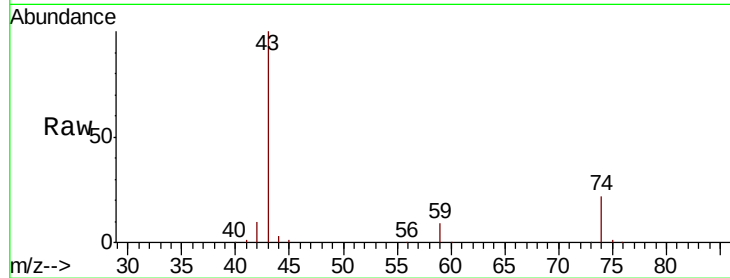
VSTD10056

Tgt Ion: 43 Resp: 180631

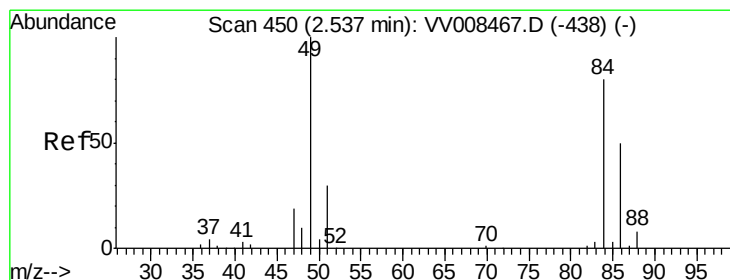
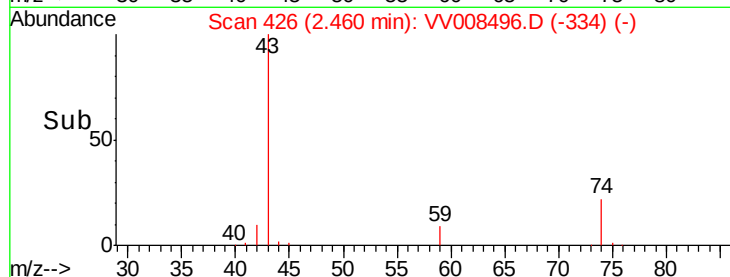
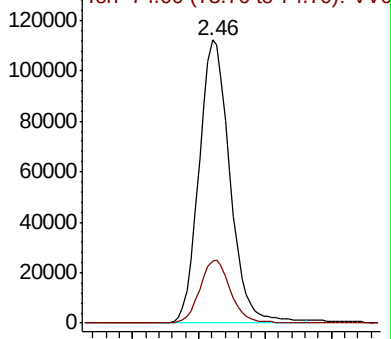
Ion Ratio Lower Upper

43 100

74 22.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VV008496.D (-334) (-)



#16

Methylene chloride

Concen: 96.323 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

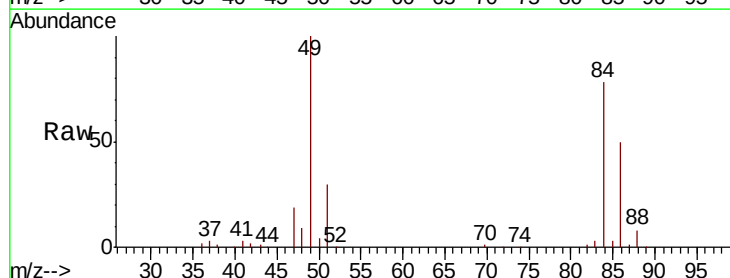
Tgt Ion: 84 Resp: 151550

Ion Ratio Lower Upper

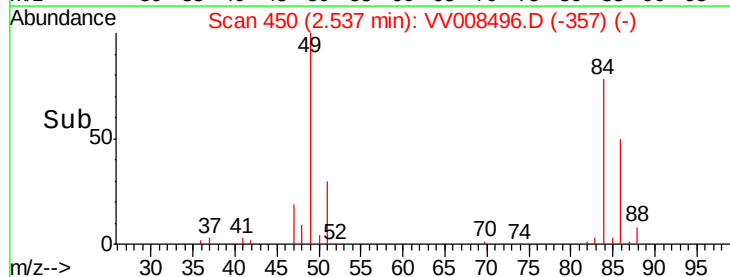
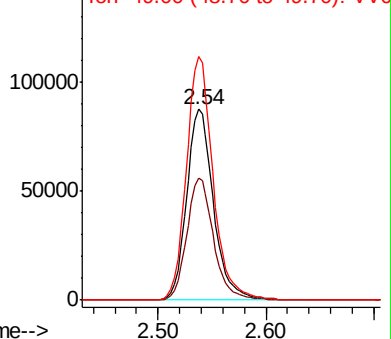
84 100

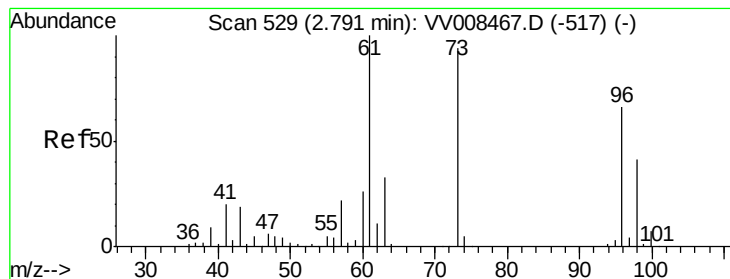
86 63.8 42.8 79.4

49 127.5 87.5 162.5



Abundance Ion 84.00 (83.70 to 84.70): VV008496.D (-357) (-)





#17

trans-1,2-Dichloroethene

Concen: 99.872 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD10056

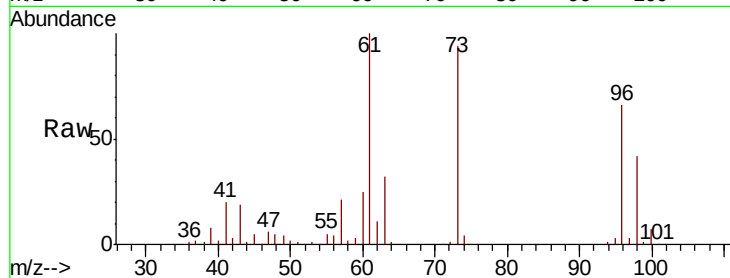
Tgt Ion: 96 Resp: 137945

Ion Ratio Lower Upper

96 100

61 152.2 105.5 195.9

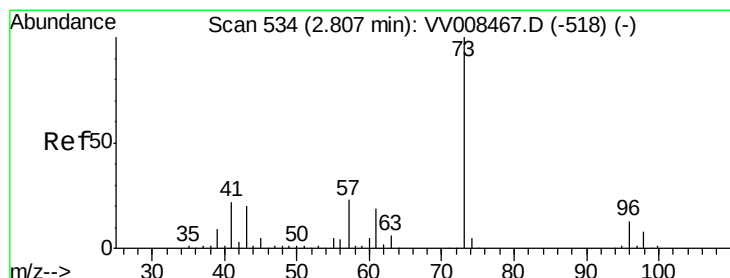
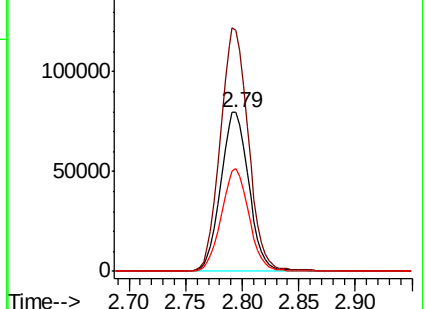
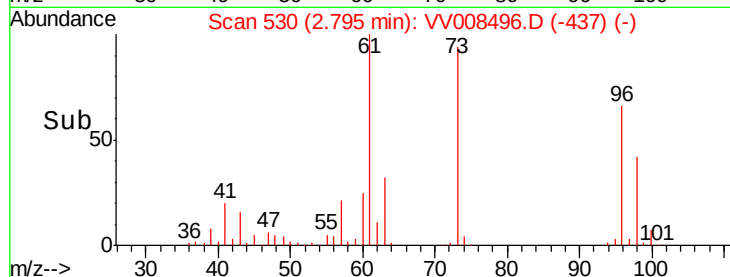
98 64.5 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV008496.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008496.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008496.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 98.879 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

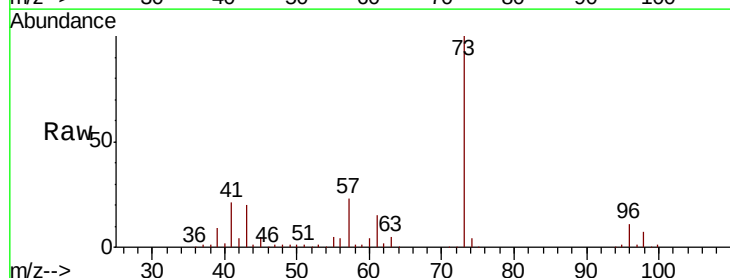
Tgt Ion: 73 Resp: 486969

Ion Ratio Lower Upper

73 100

43 19.7 15.6 23.4

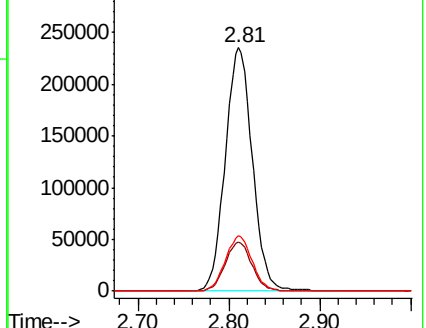
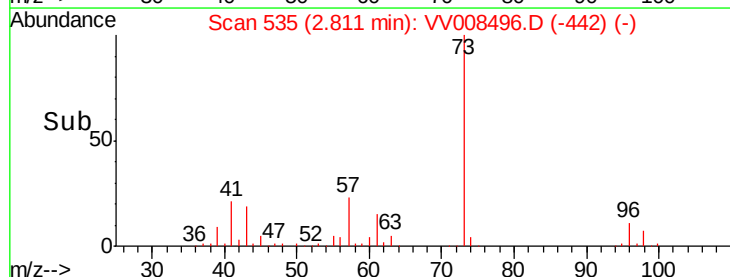
57 22.4 18.0 27.0

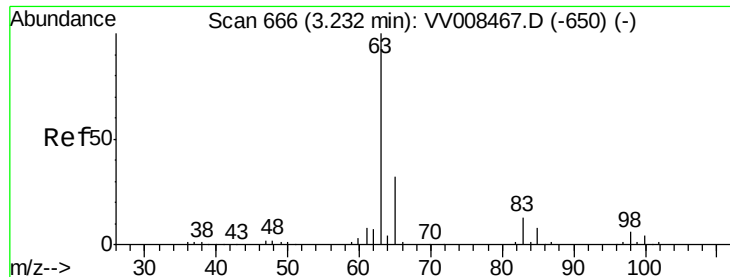


Abundance Ion 73.00 (72.70 to 73.70): VV008496.D (-442) (-)

Ion 43.00 (42.70 to 43.70): VV008496.D (-442) (-)

Ion 57.00 (56.70 to 57.70): VV008496.D (-442) (-)

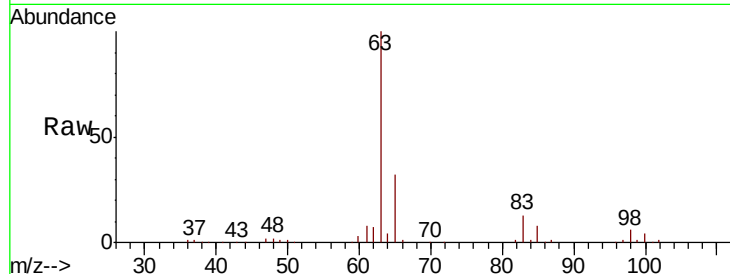




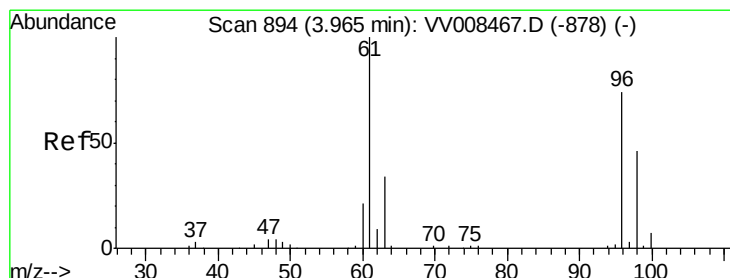
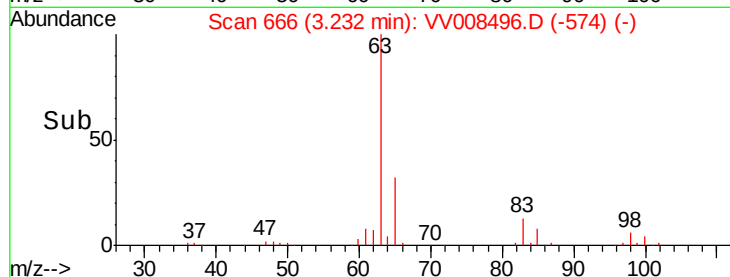
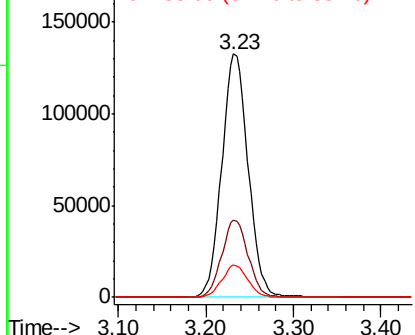
#19
 1,1-Dichloroethane
 Concen: 97.860 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10056

Tgt Ion: 63 Resp: 277653
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.5
 83 13.3 9.0 16.6

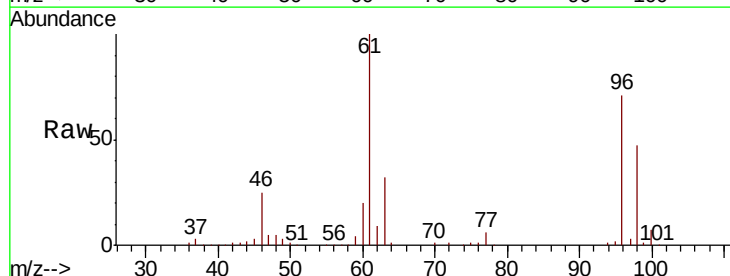


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

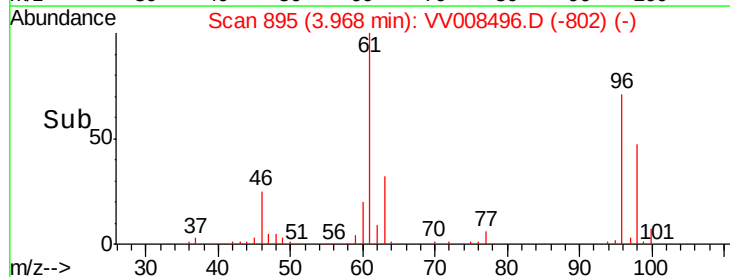
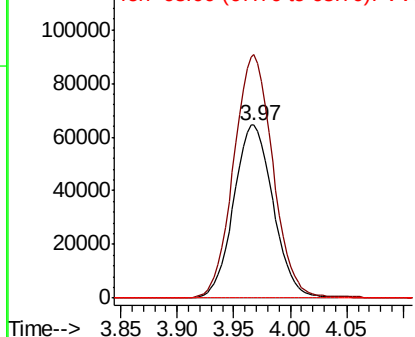


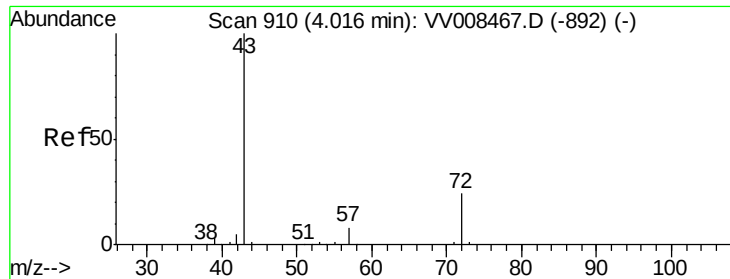
#20
 cis-1,2-Dichloroethene
 Concen: 99.741 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

Tgt Ion: 96 Resp: 156943
 Ion Ratio Lower Upper
 96 100
 61 140.7 96.3 178.9
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 210.191 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampled :

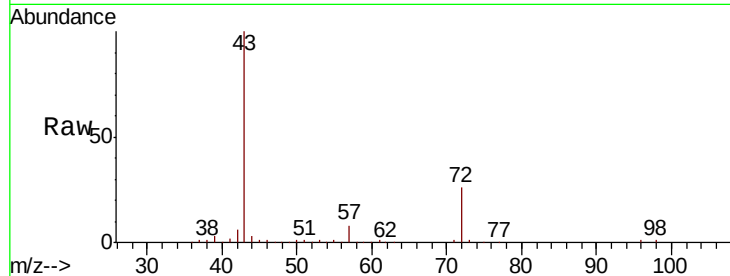
VSTD10056

Tgt Ion: 43 Resp: 294873

Ion Ratio Lower Upper

43 100

72 26.2 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008496.D (-819) (-)

Ion 72.00 (71.70 to 72.70): VV008496.D (-819) (-)

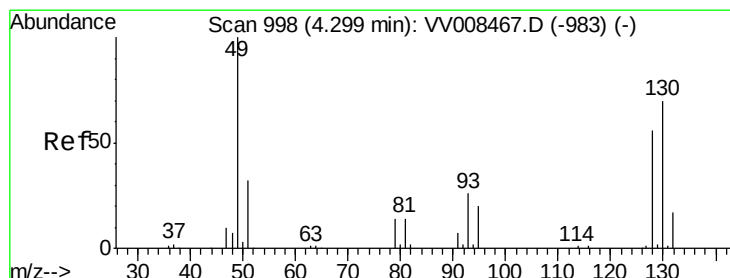
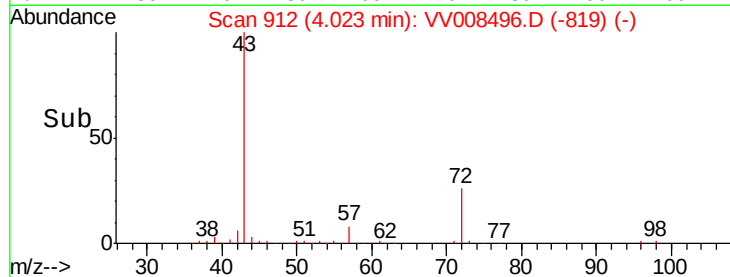
4.02

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 99.607 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Tgt Ion: 128 Resp: 73697

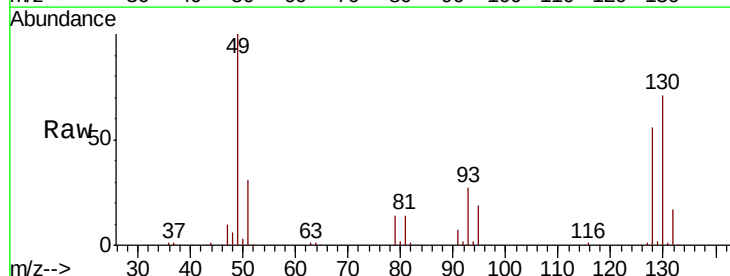
Ion Ratio Lower Upper

128 100

49 179.8 129.4 240.4

130 127.6 92.1 171.1

51 56.0 47.4 71.2



Abundance Ion 128.00 (127.70 to 128.70): VV008496.D (-907) (-)

Ion 49.00 (48.70 to 49.70): VV008496.D (-907) (-)

Ion 130.00 (129.70 to 130.70): VV008496.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VV008496.D (-907) (-)

4.31

80000

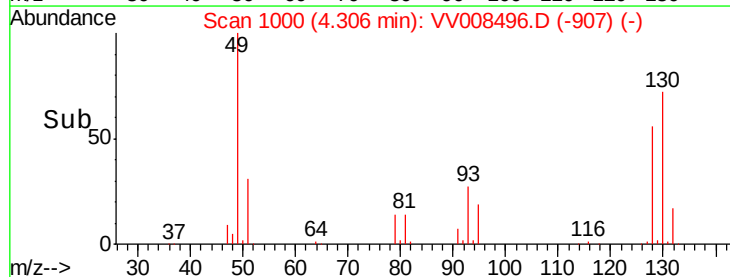
60000

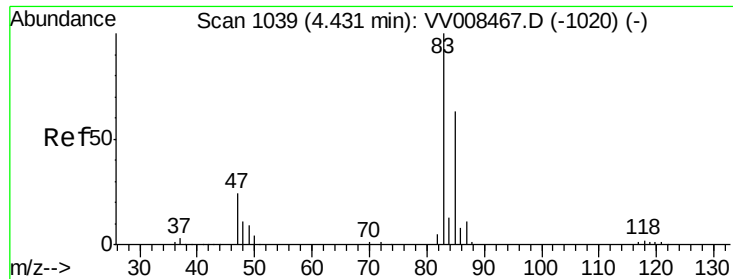
40000

20000

0

Time-->

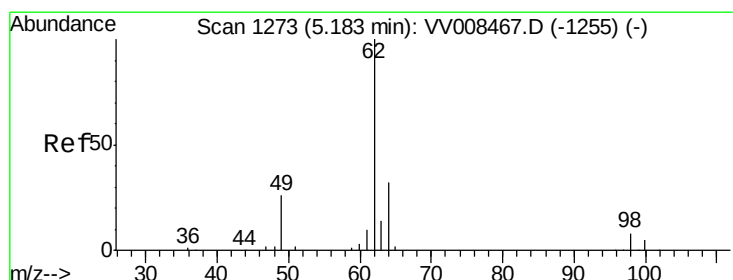
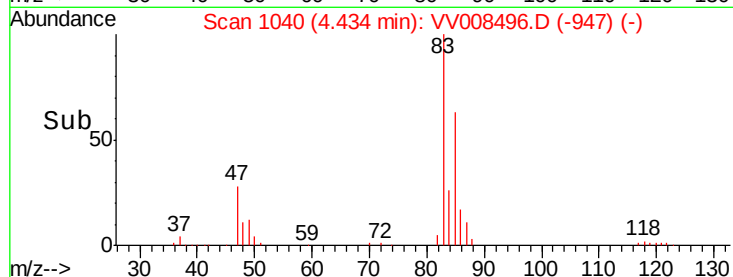
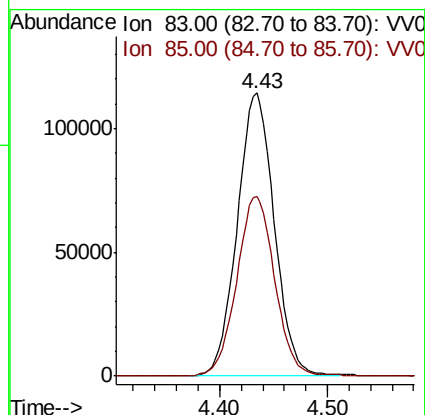
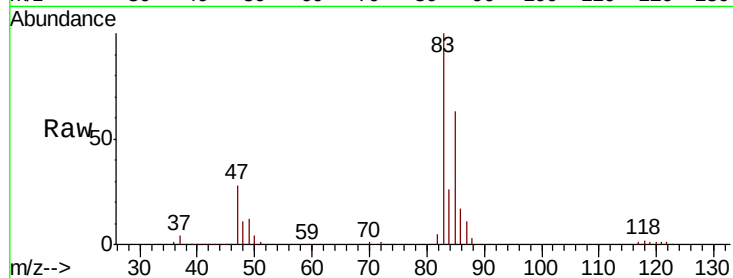




#25
Chloroform
Concen: 98.576 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008496.D
Acq: 31 Oct 2018 15:32

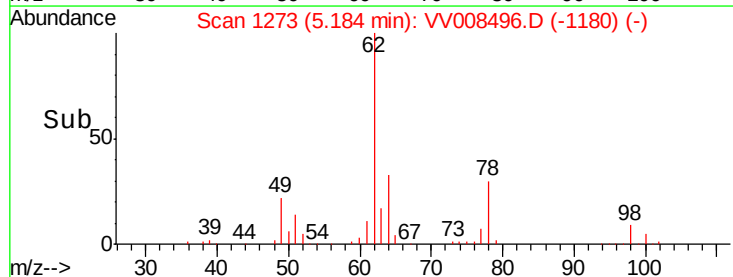
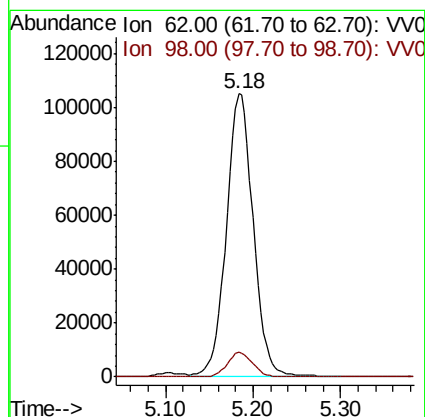
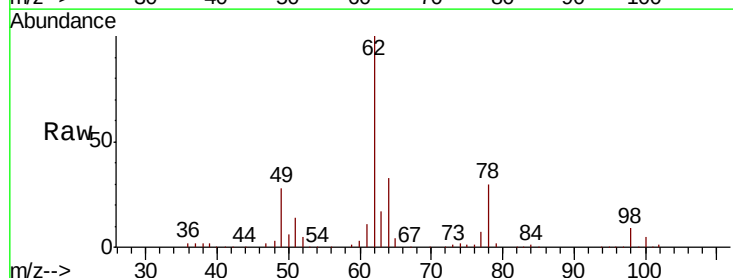
Instrument :
MSVOA_V
ClientSampled :
VSTD10056

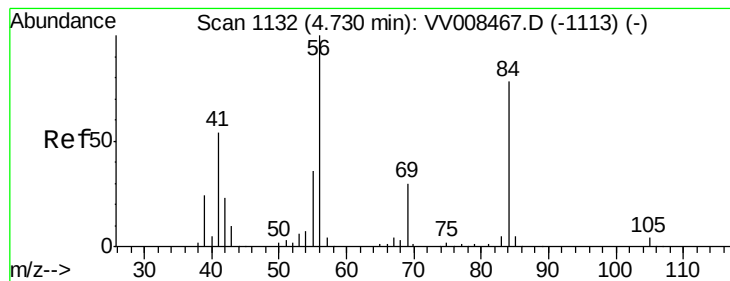
Tgt Ion: 83 Resp: 273423
Ion Ratio Lower Upper
83 100
85 63.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 97.223 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008496.D
Acq: 31 Oct 2018 15:32

Tgt Ion: 62 Resp: 224123
Ion Ratio Lower Upper
62 100
98 8.7 6.8 10.2





#29

Cyclohexane

Concen: 98.334 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD10056

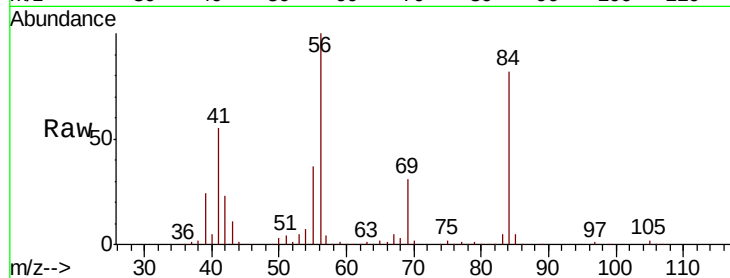
Tgt Ion: 56 Resp: 270331

Ion Ratio Lower Upper

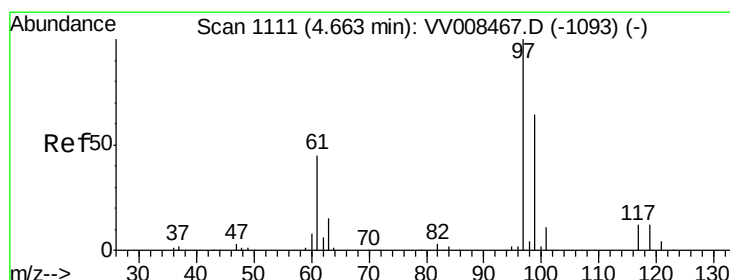
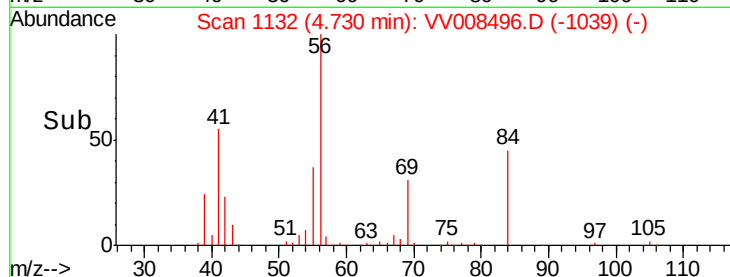
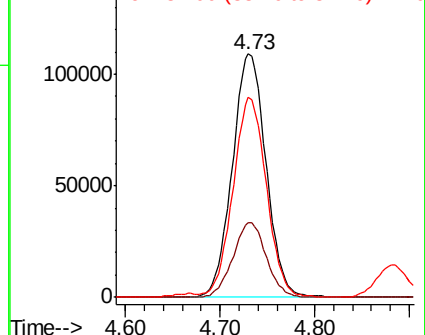
56 100

69 30.6 24.2 36.2

84 80.9 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 98.865 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

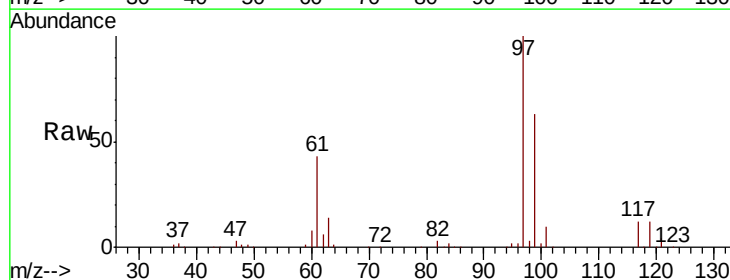
Tgt Ion: 97 Resp: 241537

Ion Ratio Lower Upper

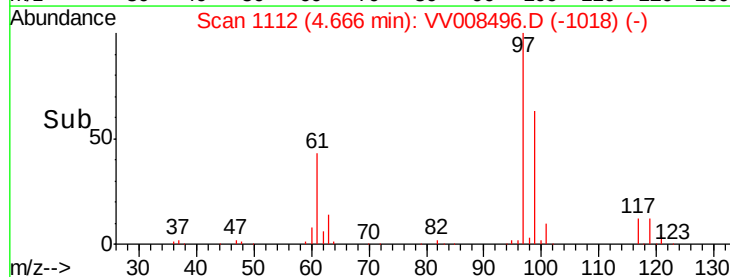
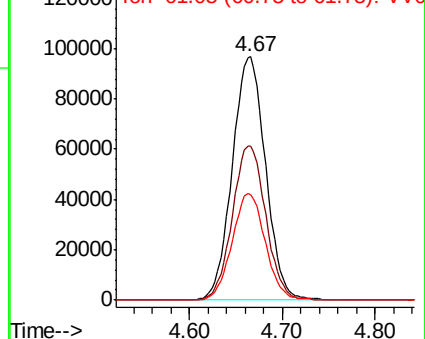
97 100

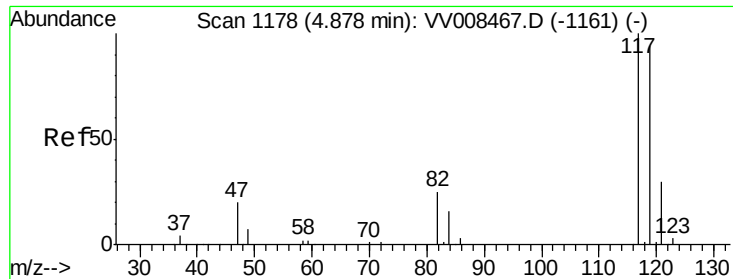
99 63.7 51.8 77.6

61 43.8 36.2 54.2



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 100.202 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

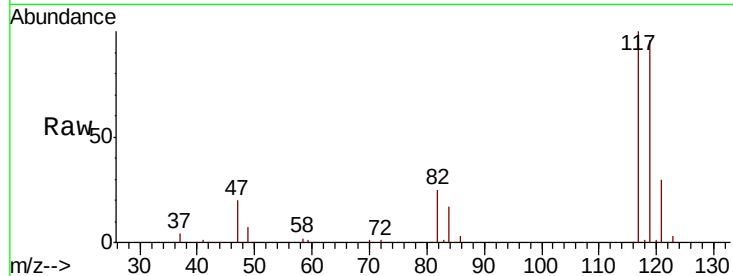
VSTD10056

Tgt Ion:117 Resp: 207944

Ion Ratio Lower Upper

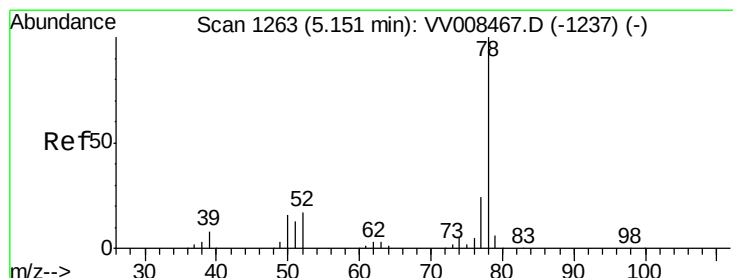
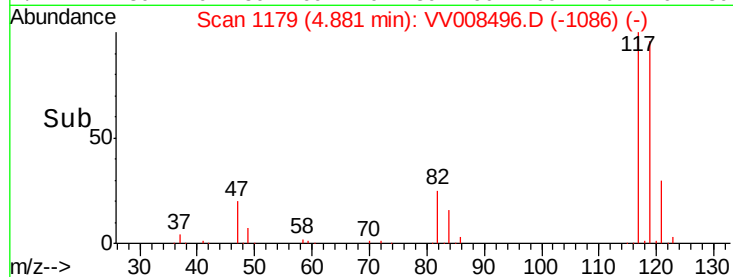
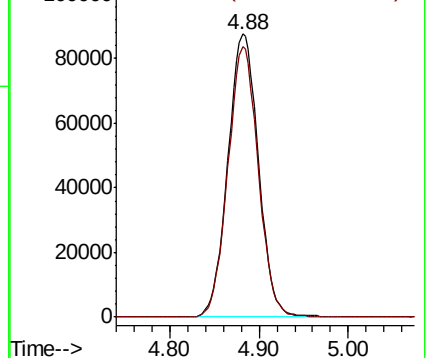
117 100

119 94.8 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 97.813 ug/L

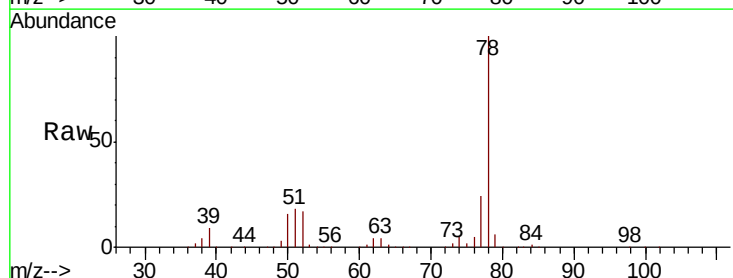
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

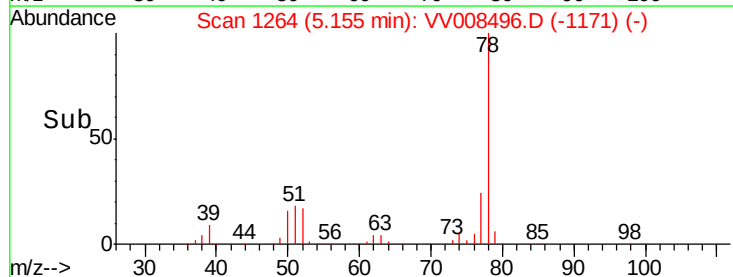
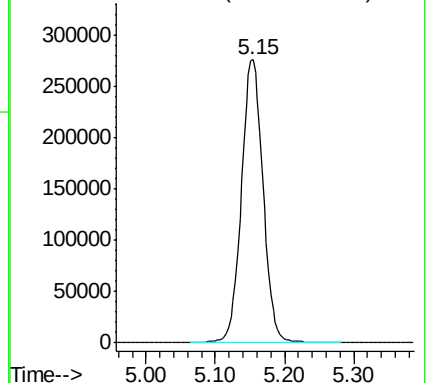
Lab File: VV008496.D

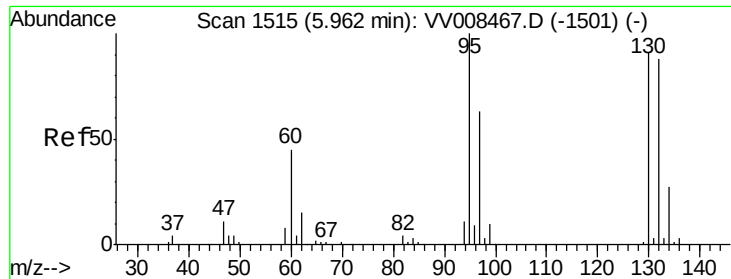
Acq: 31 Oct 2018 15:32

Tgt Ion: 78 Resp: 602991



Abundance Ion 78.00 (77.70 to 78.70): VV0

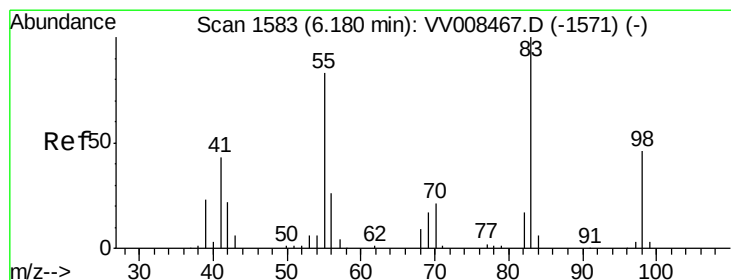
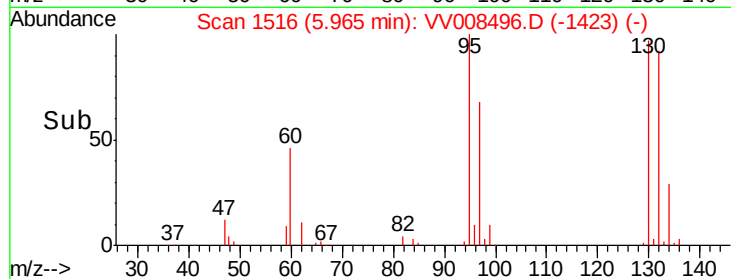
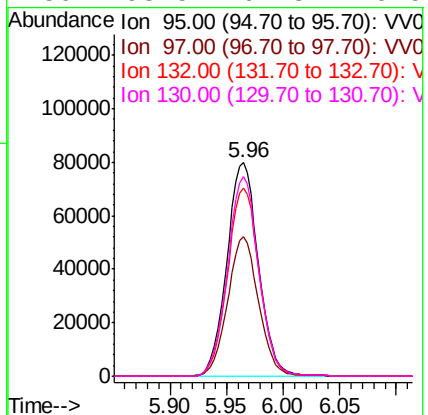
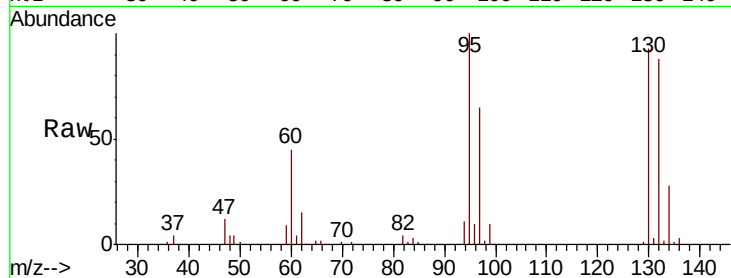




#34
 Trichloroethene
 Concen: 97.975 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

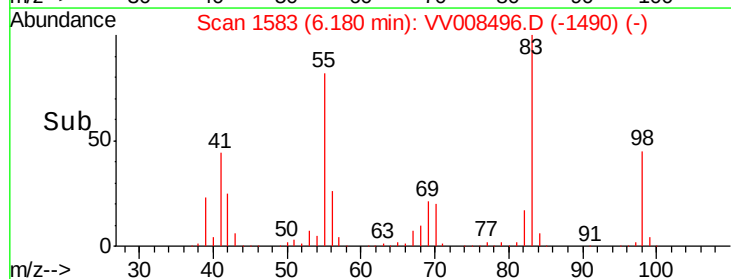
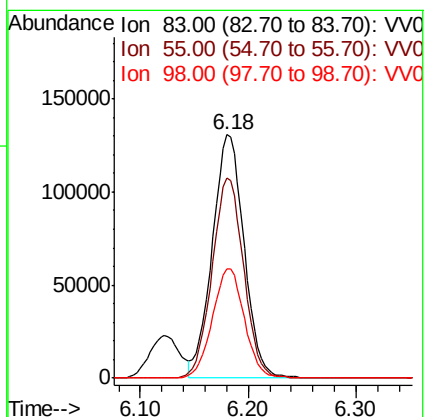
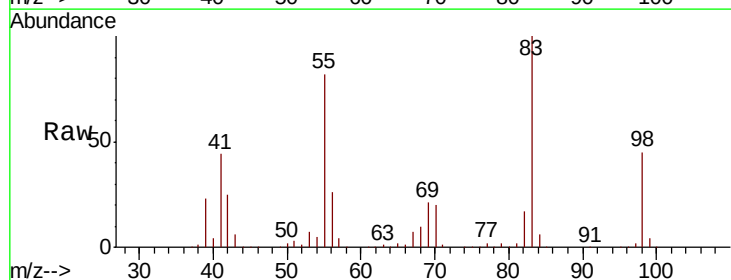
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10056

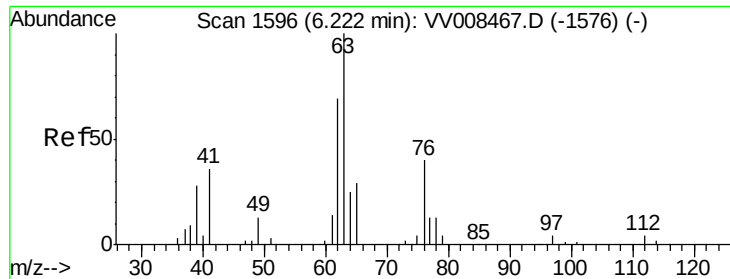
Tgt Ion: 95 Resp: 154696
 Ion Ratio Lower Upper
 95 100
 97 65.3 45.3 84.1
 132 88.0 62.8 116.6
 130 93.5 64.3 119.5



#35
 Methylcyclohexane
 Concen: 99.548 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

Tgt Ion: 83 Resp: 267677
 Ion Ratio Lower Upper
 83 100
 55 81.6 63.8 95.8
 98 45.3 35.9 53.9

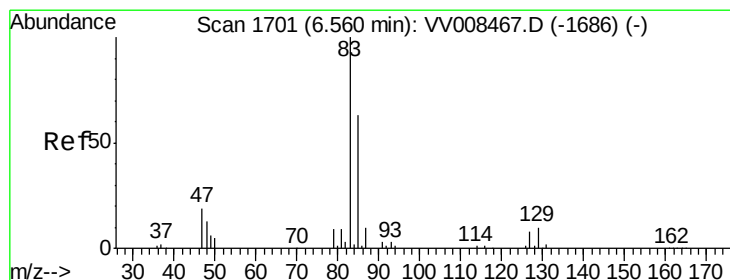
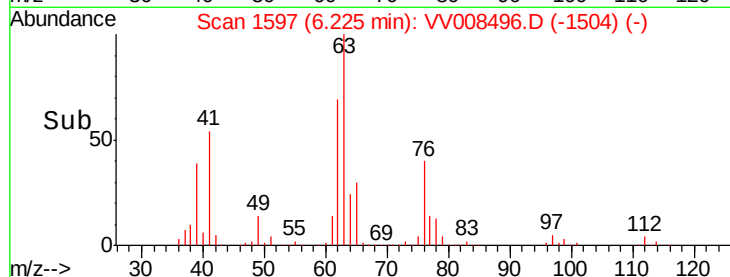
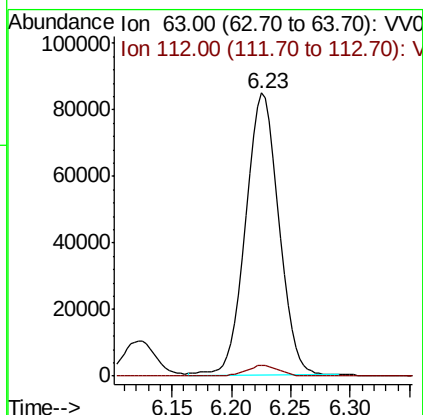
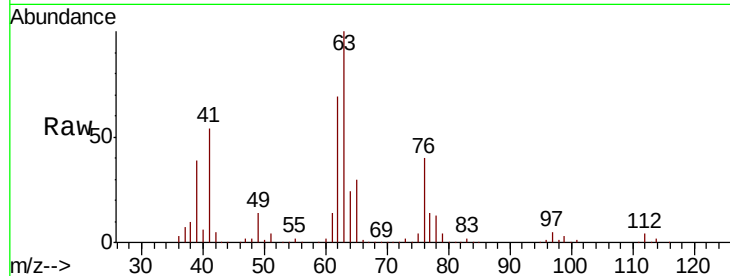




#37
 1,2-Dichloropropane
 Concen: 96.651 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

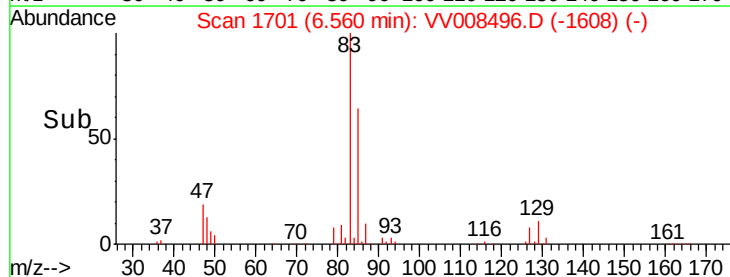
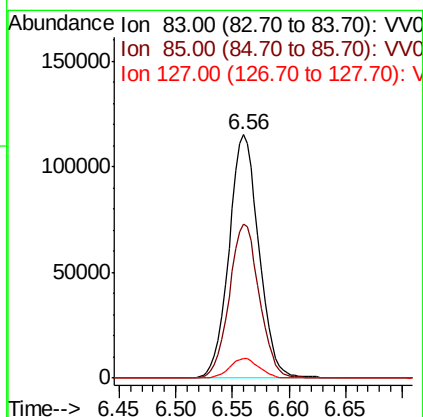
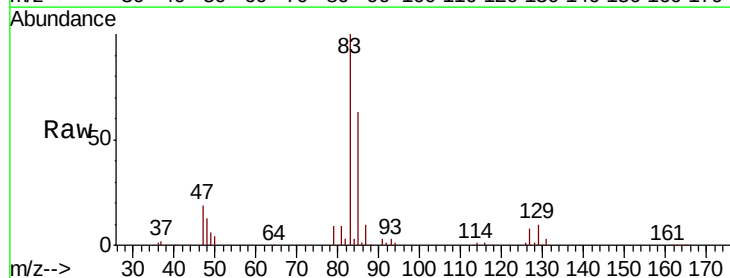
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10056

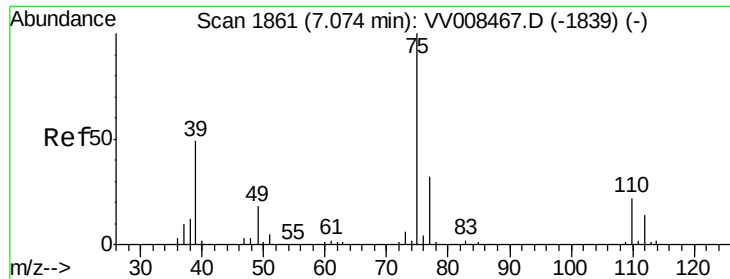
Tgt Ion: 63 Resp: 164837
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 97.593 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

Tgt Ion: 83 Resp: 211621
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.3 80.5
 127 8.1 6.1 9.1

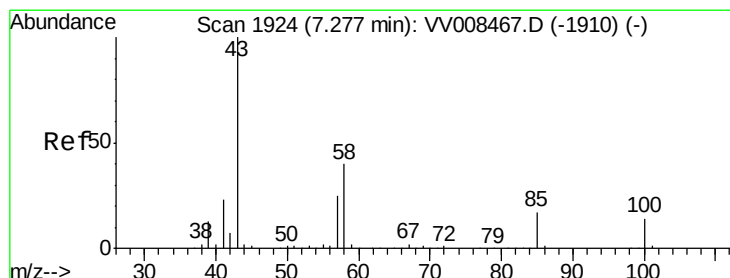
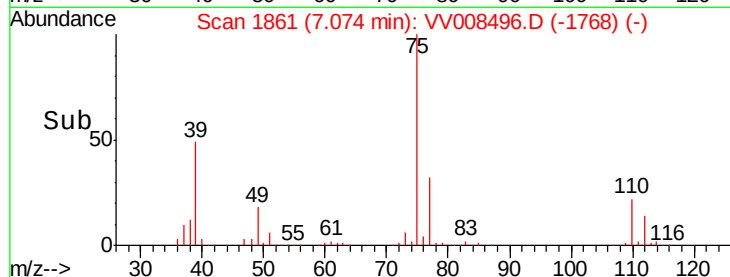
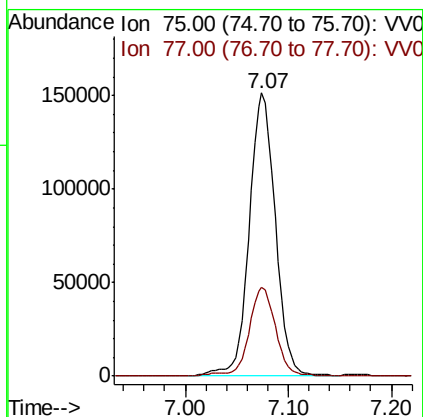
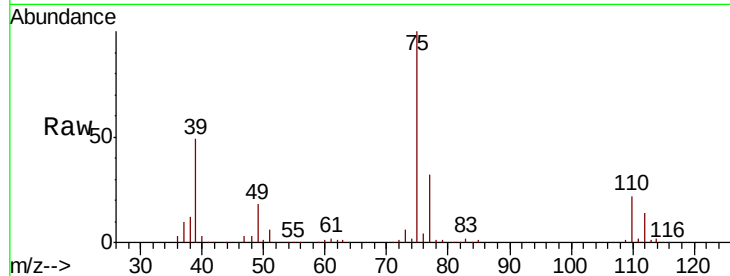




#39
 cis-1,3-Dichloropropene
 Concen: 99.524 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

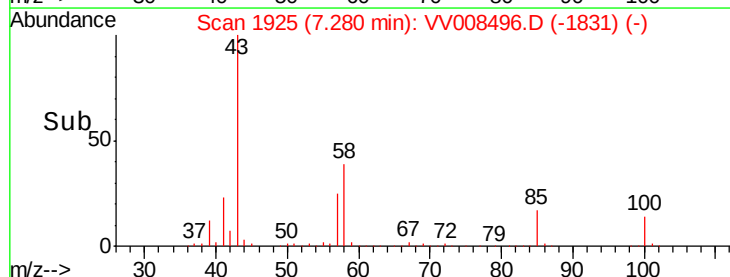
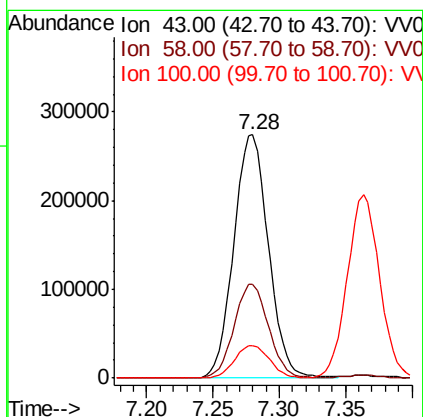
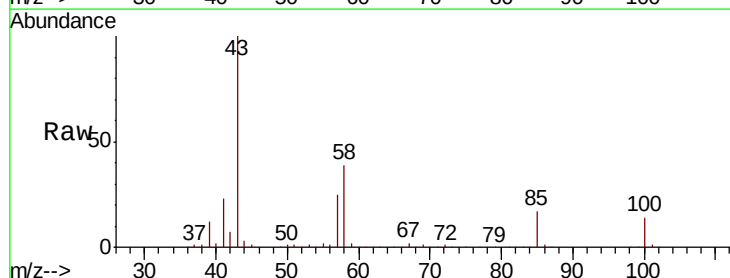
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10056

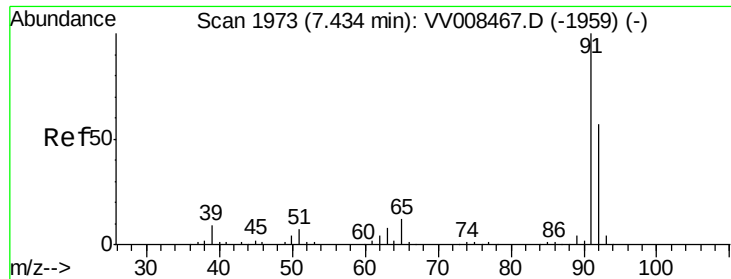
Tgt Ion: 75 Resp: 266311
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 197.454 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

Tgt Ion: 43 Resp: 498865
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.8 46.2
 100 13.6 11.0 16.6





#42

Toluene

Concen: 97.975 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

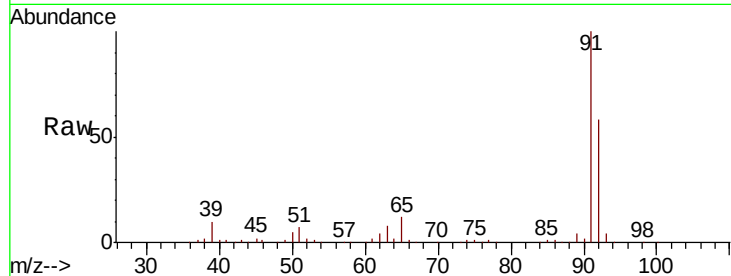
VSTD10056

Tgt Ion: 91 Resp: 625602

Ion Ratio Lower Upper

91 100

92 57.7 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VV008496.D (-1880) (-)

Ion 92.00 (91.70 to 92.70): VV008496.D (-1880) (-)

7.43

400000

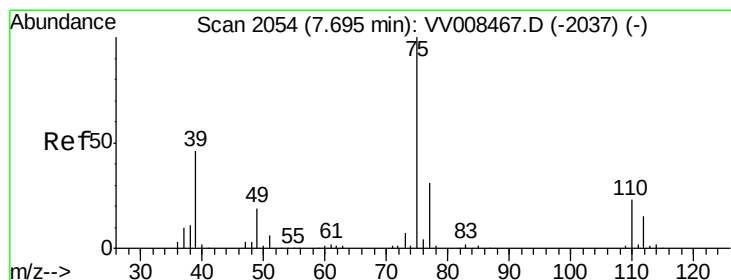
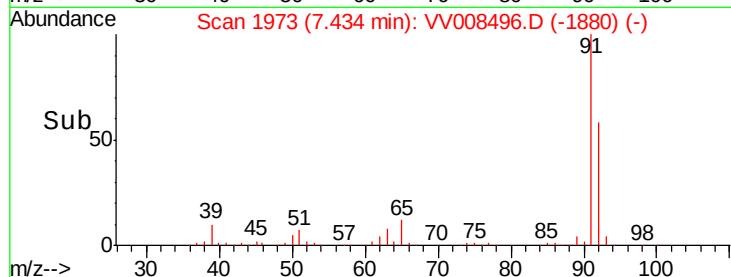
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 100.155 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008496.D

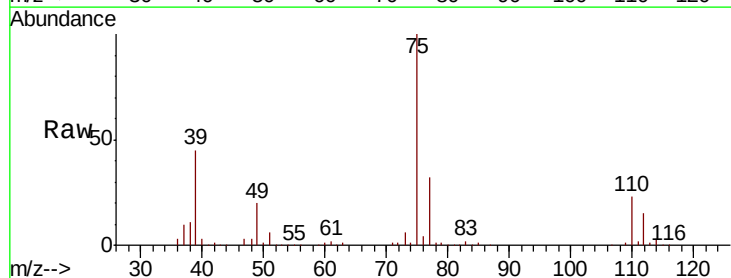
Acq: 31 Oct 2018 15:32

Tgt Ion: 75 Resp: 251035

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV008496.D (-1962) (-)

Ion 77.00 (76.70 to 77.70): VV008496.D (-1962) (-)

7.70

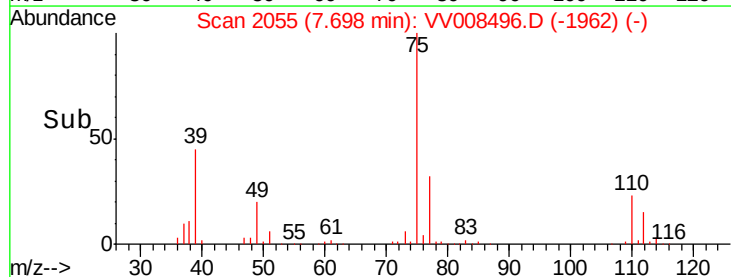
150000

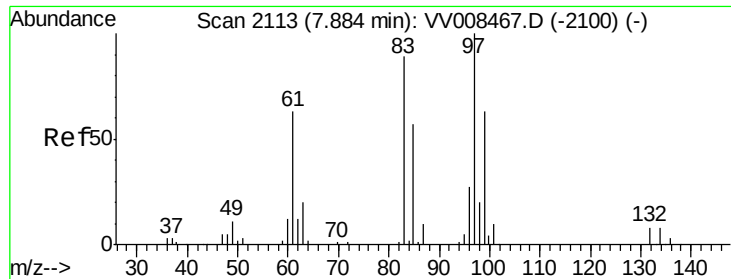
100000

50000

0

Time-->

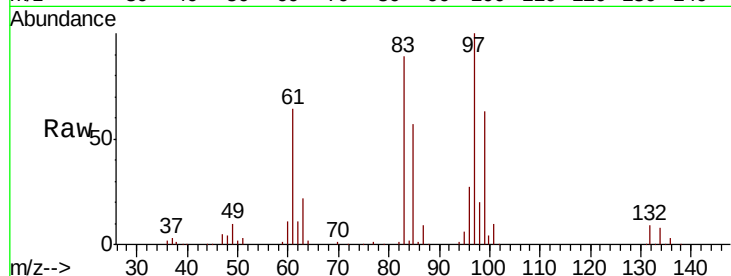




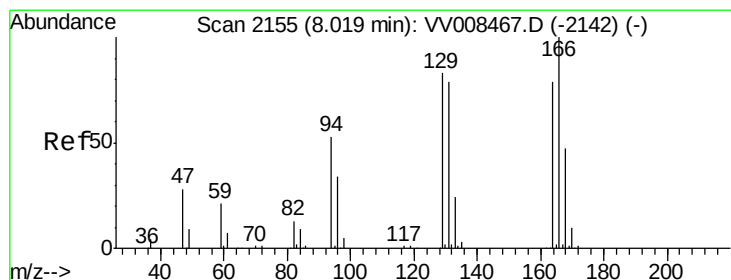
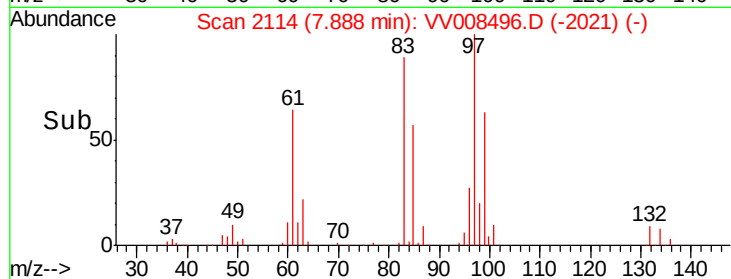
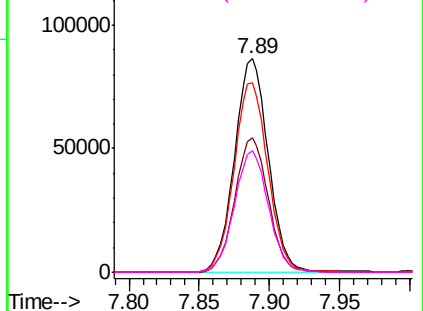
#45
 1,1,2-Trichloroethane
 Concen: 96.746 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10056

Tgt Ion:	97	Resp:	145257
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.7	83.1
83	88.7	63.6	118.0
85	56.7	40.9	75.9

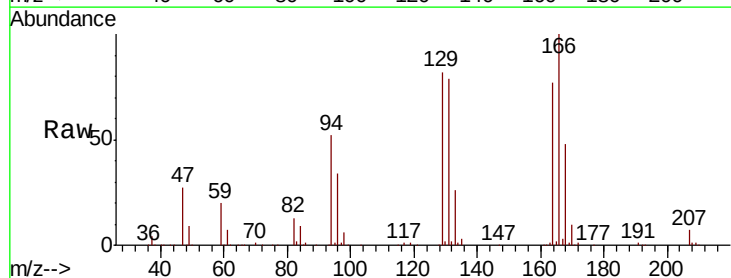


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

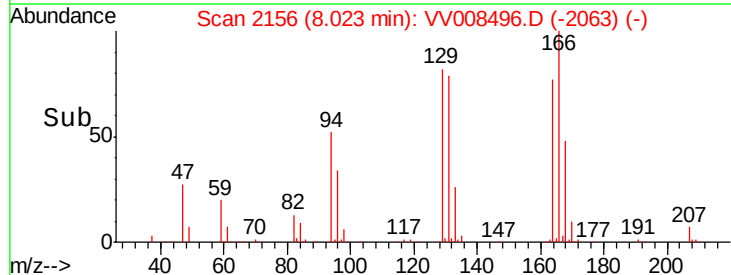
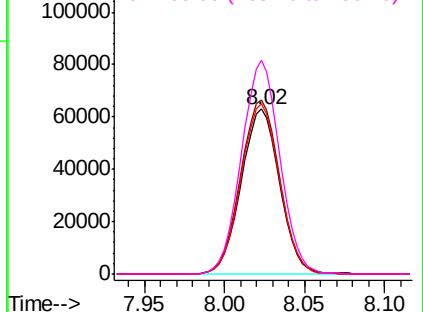


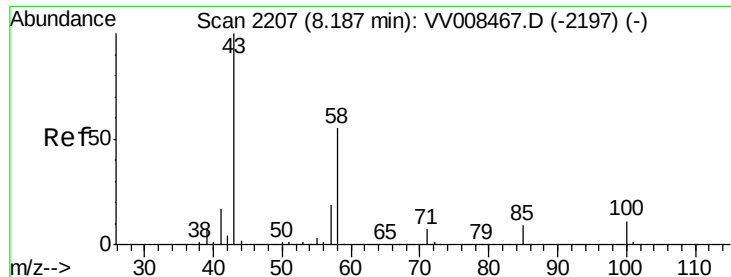
#46
 Tetrachloroethene
 Concen: 99.873 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

Tgt Ion:	164	Resp:	103496
Ion	Ratio	Lower	Upper
164	100		
129	105.7	72.0	133.6
131	102.9	68.8	127.8
166	129.4	86.5	160.7



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

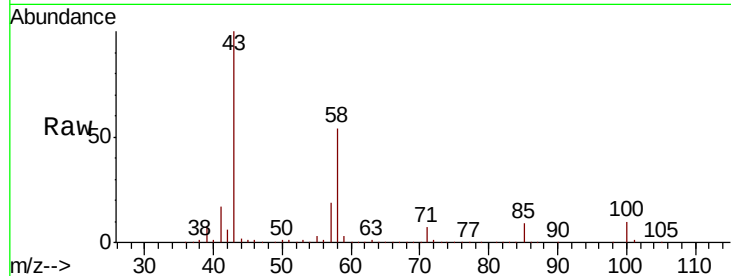




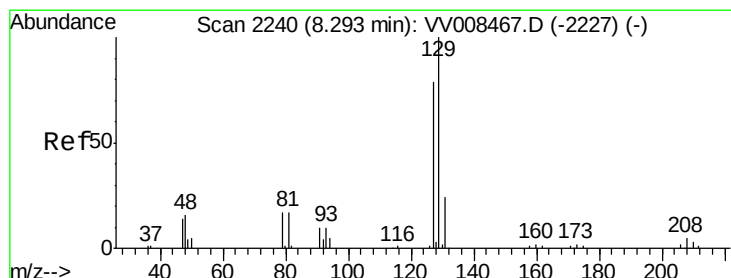
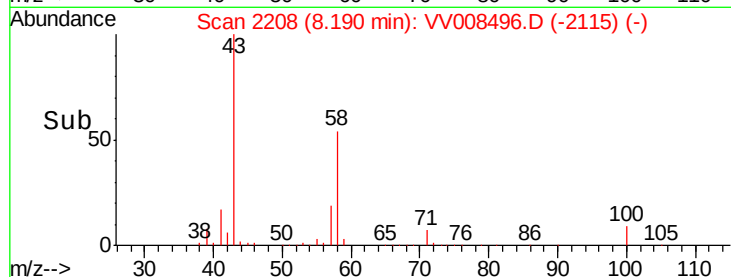
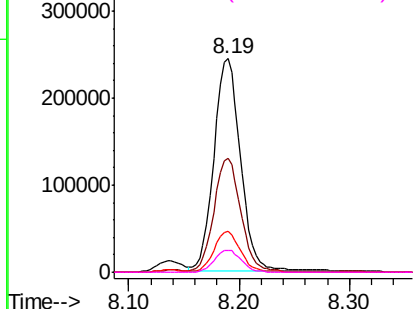
#48
2-Hexanone
Concen: 206.206 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008496.D
Acq: 31 Oct 2018 15:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD10056

Tgt Ion: 43 Resp: 408055
Ion Ratio Lower Upper
43 100
58 52.8 43.6 65.4
57 18.9 15.0 22.6
100 10.6 8.3 12.5

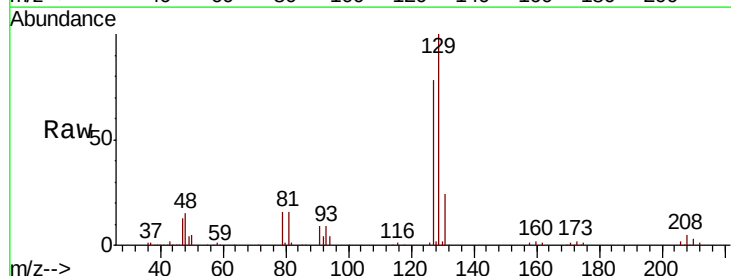


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

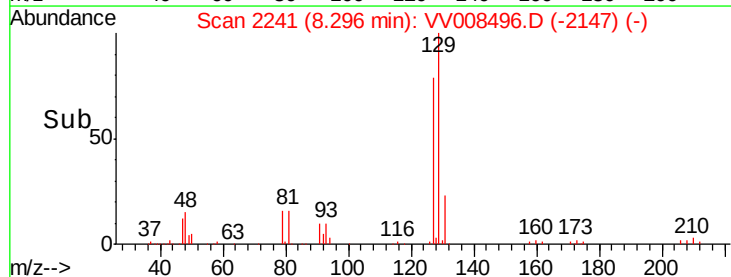
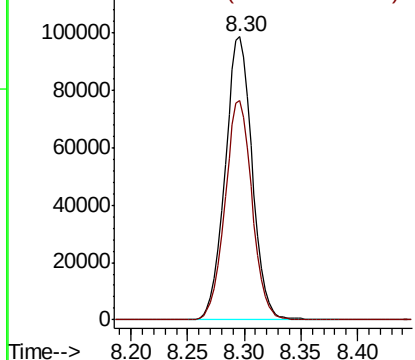


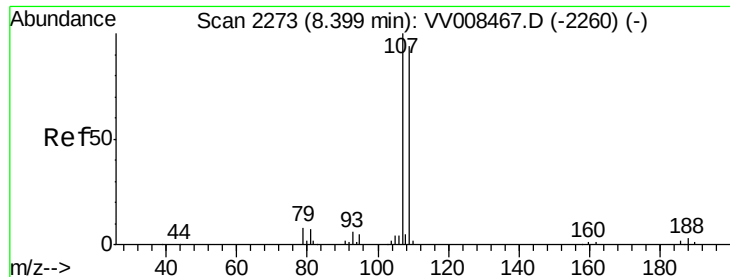
#49
Dibromochloromethane
Concen: 101.626 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008496.D
Acq: 31 Oct 2018 15:32

Tgt Ion: 129 Resp: 164166
Ion Ratio Lower Upper
129 100
127 77.6 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

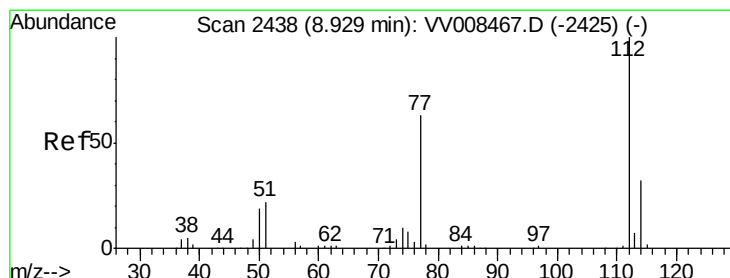
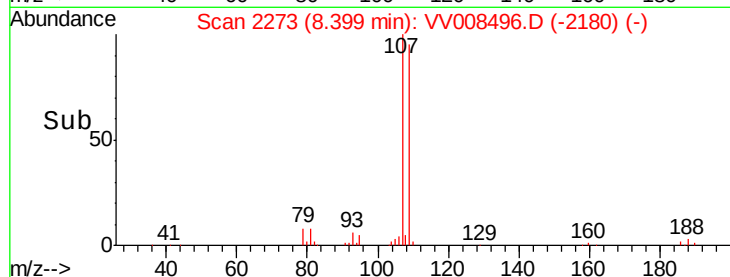
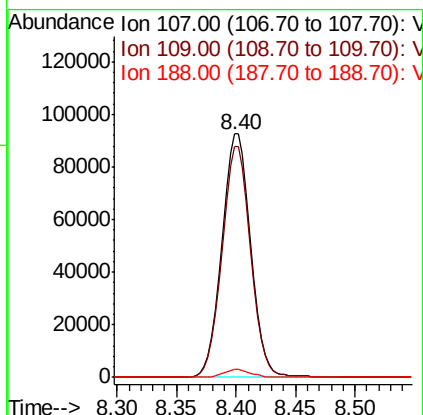
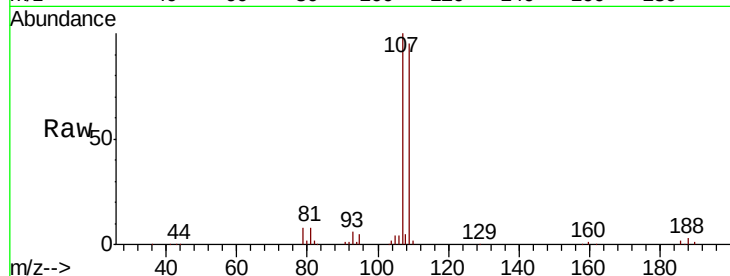




#50
1,2-Dibromoethane
Concen: 98.585 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008496.D
Acq: 31 Oct 2018 15:32

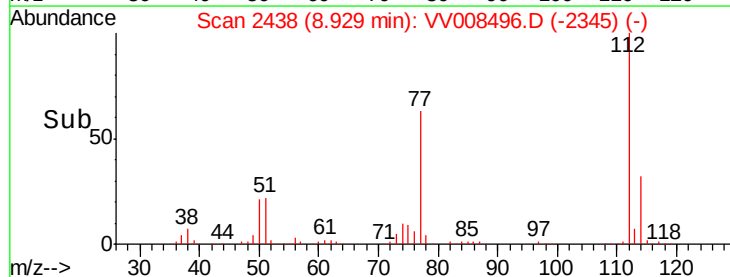
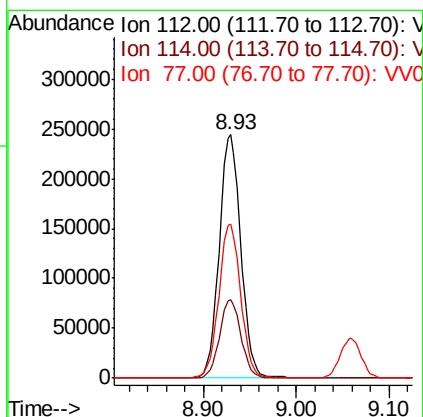
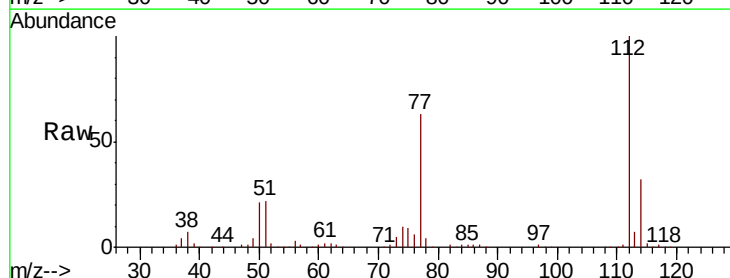
Instrument :
MSVOA_V
ClientSampleId :
VSTD10056

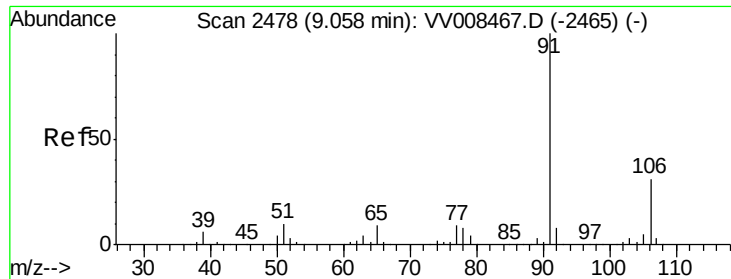
Tgt Ion:107 Resp: 155284
Ion Ratio Lower Upper
107 100
109 94.8 67.3 125.1
188 3.1 2.6 3.8



#51
Chlorobenzene
Concen: 100.213 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008496.D
Acq: 31 Oct 2018 15:32

Tgt Ion:112 Resp: 395467
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.5
77 63.3 50.5 75.7





#52

Ethylbenzene

Concen: 100.065 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

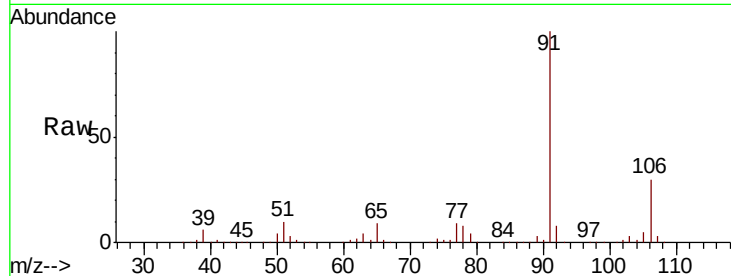
VSTD10056

Tgt Ion: 91 Resp: 717252

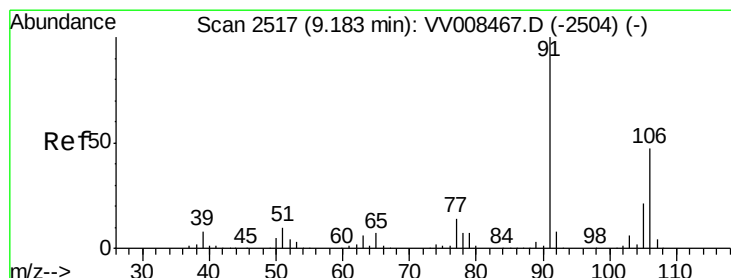
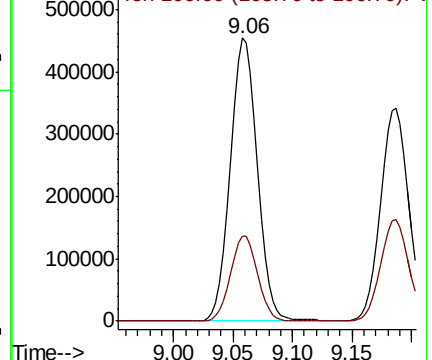
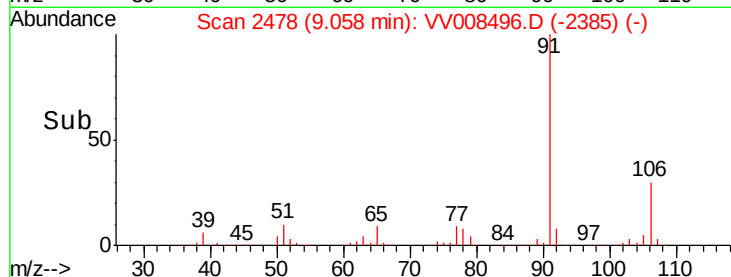
Ion Ratio Lower Upper

91 100

106 30.2 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV008496.D (-2385) (-)



#53

m,p-Xylene

Concen: 102.345 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008496.D

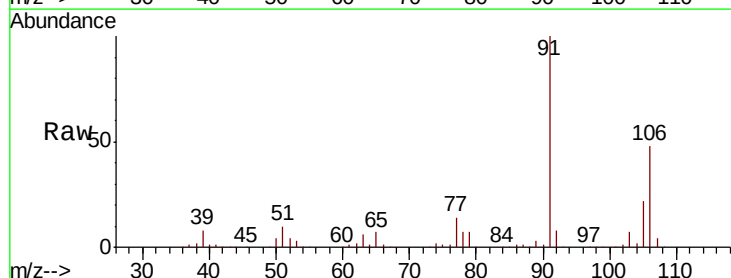
Acq: 31 Oct 2018 15:32

Tgt Ion: 106 Resp: 269383

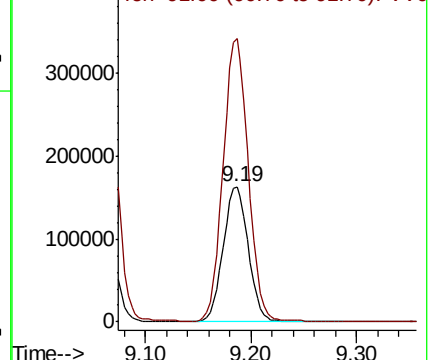
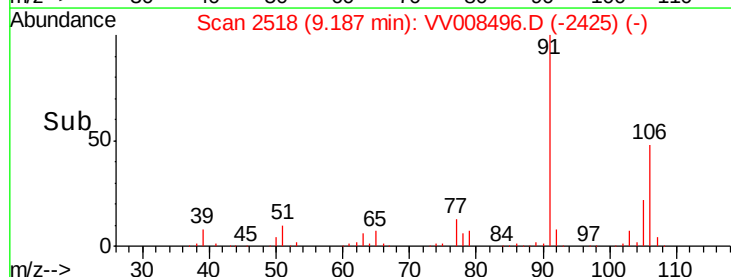
Ion Ratio Lower Upper

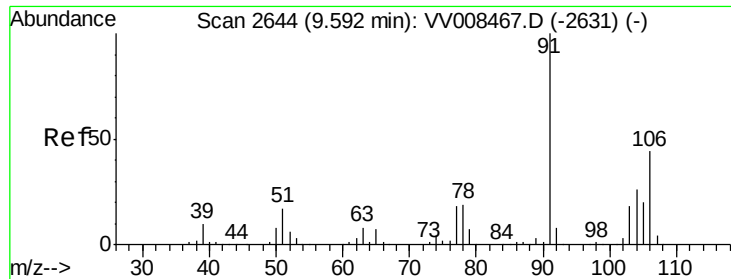
106 100

91 209.5 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): VV008496.D (-2425) (-)





#54

o-xylene

Concen: 100.311 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

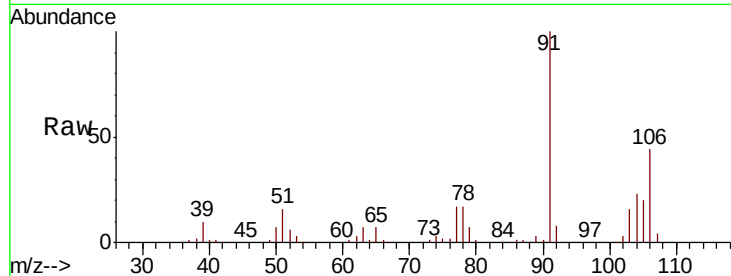
VSTD10056

Tgt Ion:106 Resp: 263470

Ion Ratio Lower Upper

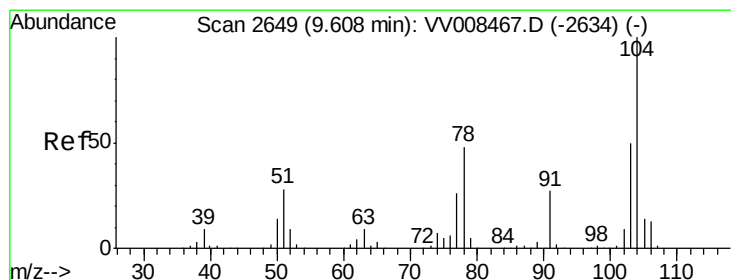
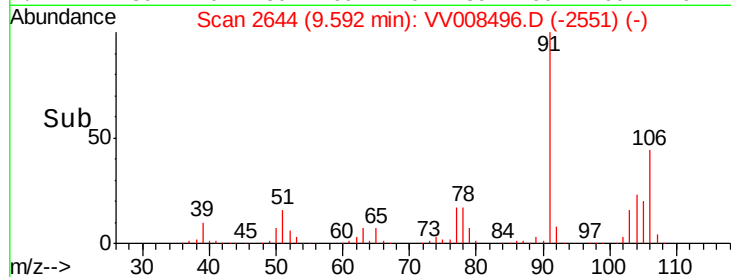
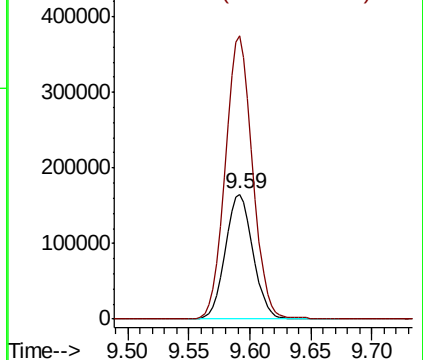
106 100

91 226.0 156.9 291.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 103.571 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008496.D

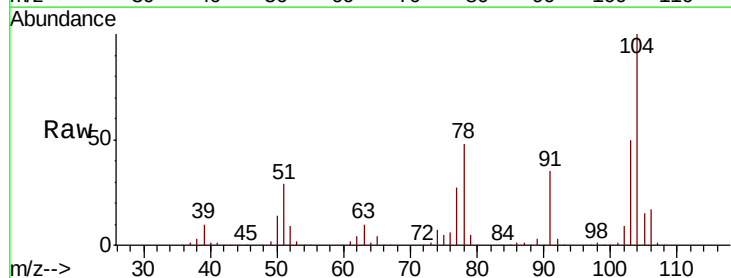
Acq: 31 Oct 2018 15:32

Tgt Ion:104 Resp: 457898

Ion Ratio Lower Upper

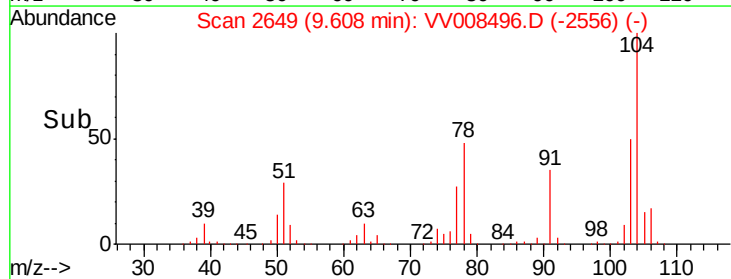
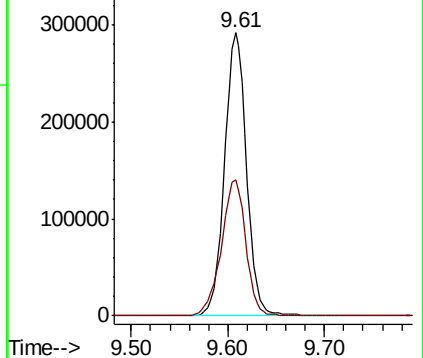
104 100

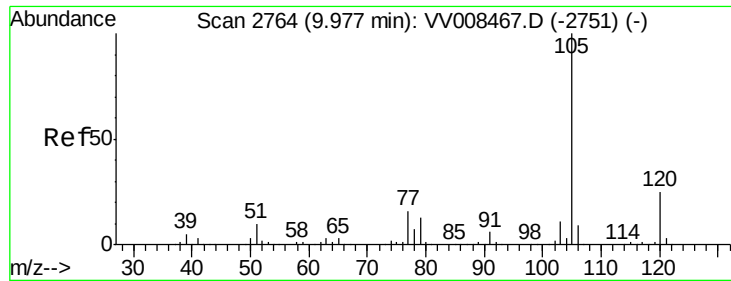
78 48.0 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 101.520 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampled :

VSTD10056

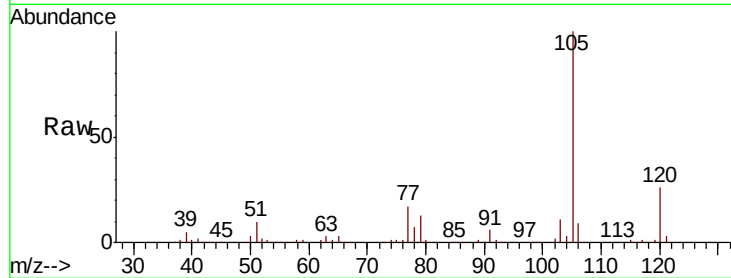
Tgt Ion: 105 Resp: 697506

Ion Ratio Lower Upper

105 100

120 25.8 20.4 30.6

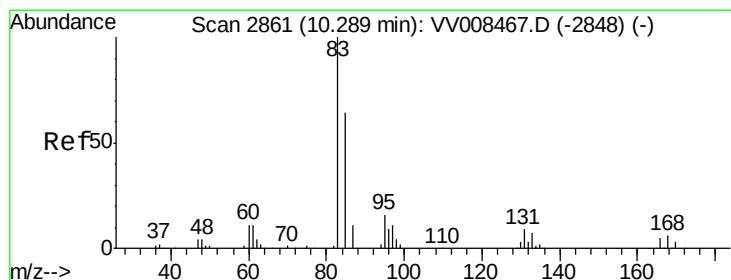
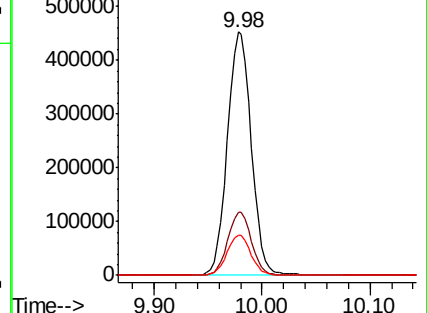
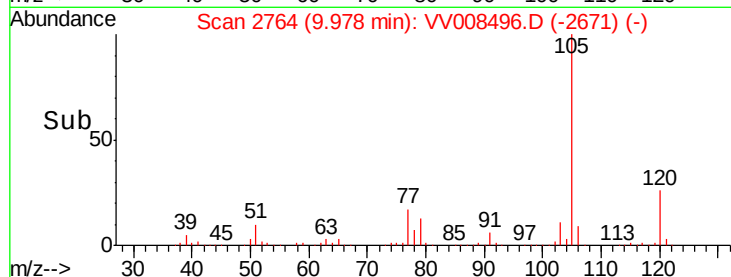
77 16.4 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 100.376 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

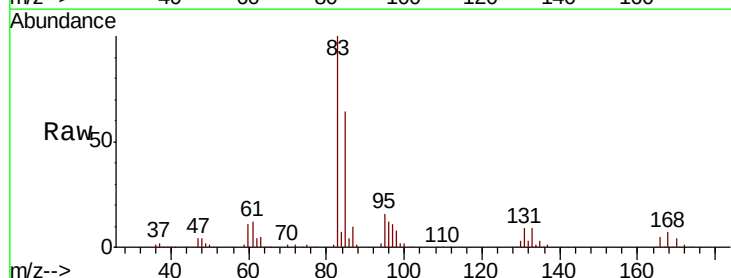
Tgt Ion: 83 Resp: 265386

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9

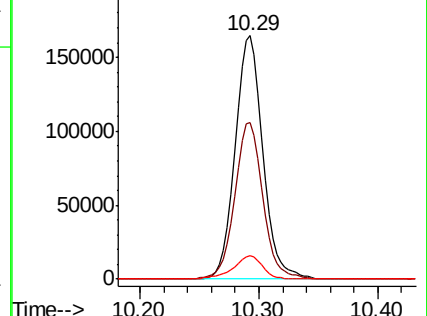
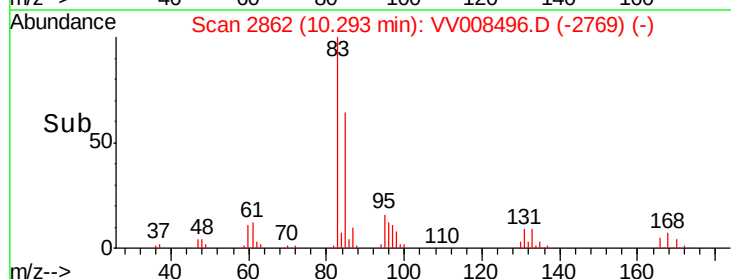
131 9.5 7.4 11.2

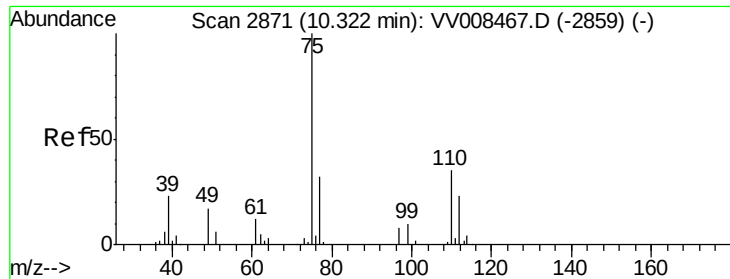


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 100.001 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampled :

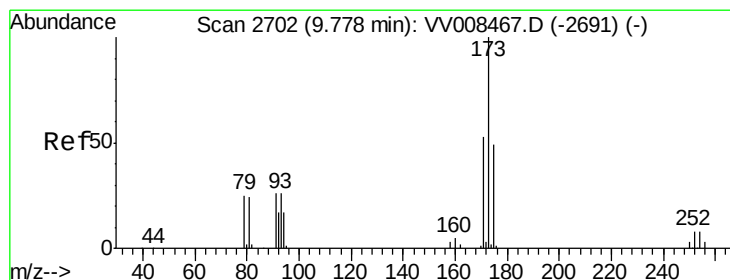
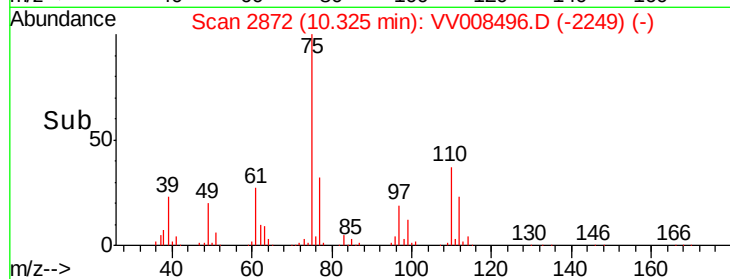
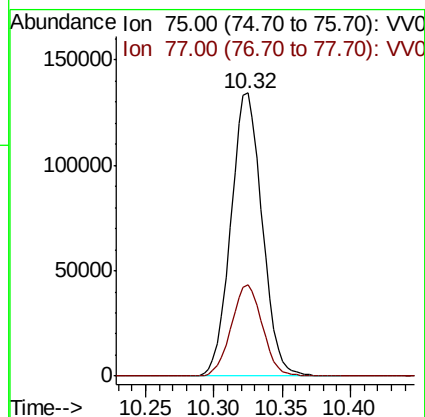
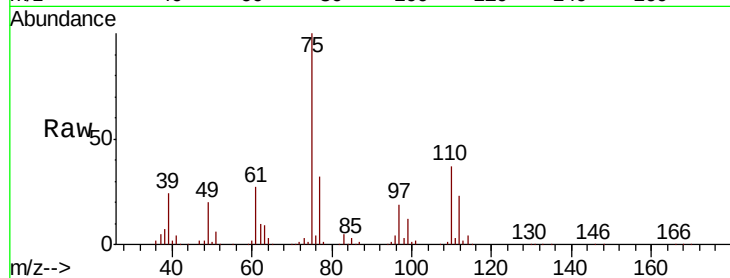
VSTD10056

Tgt Ion: 75 Resp: 214436

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#61

Bromoform

Concen: 97.599 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

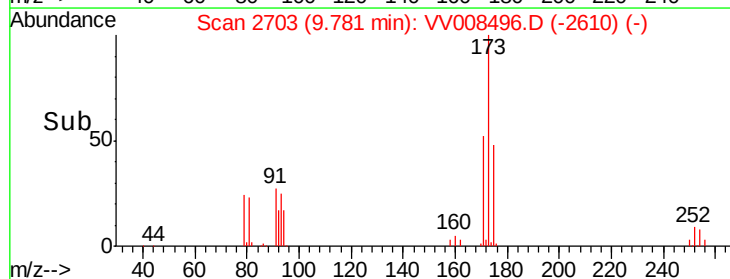
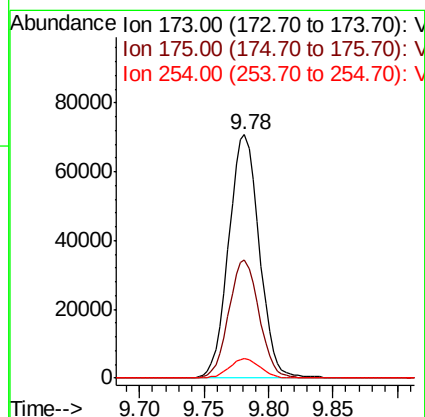
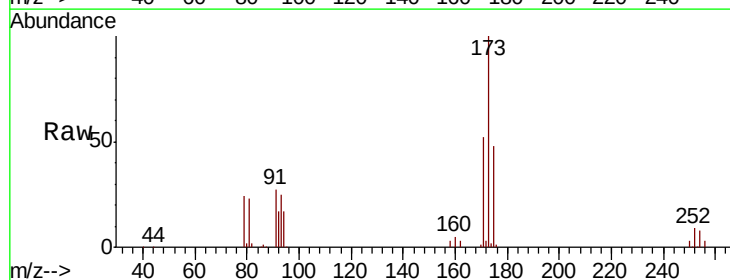
Tgt Ion: 173 Resp: 116518

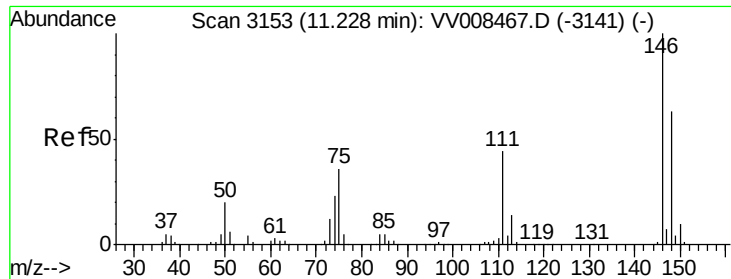
Ion Ratio Lower Upper

173 100

175 48.0 38.6 57.8

254 8.0 6.0 9.0





#62

1,3-Dichlorobenzene

Concen: 98.486 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD10056

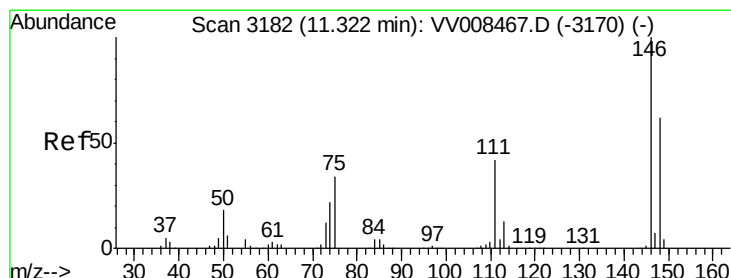
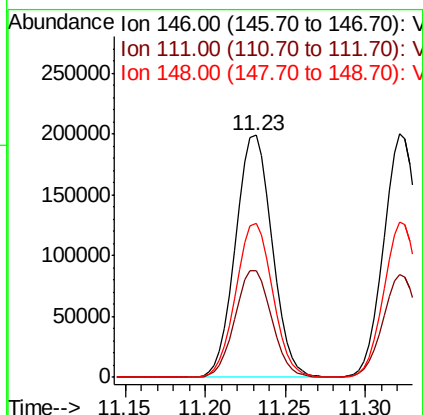
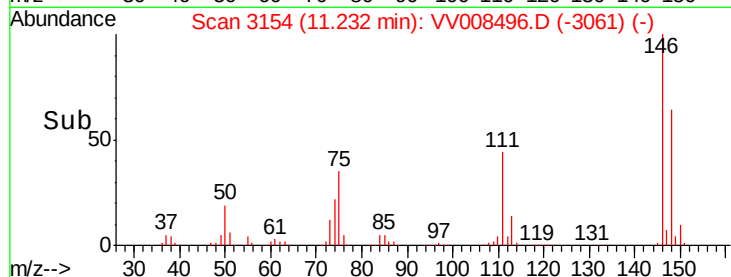
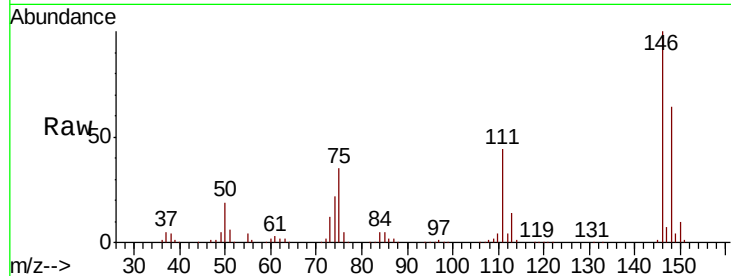
Tgt Ion:146 Resp: 310014

Ion Ratio Lower Upper

146 100

111 43.9 30.3 56.3

148 63.8 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 99.740 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

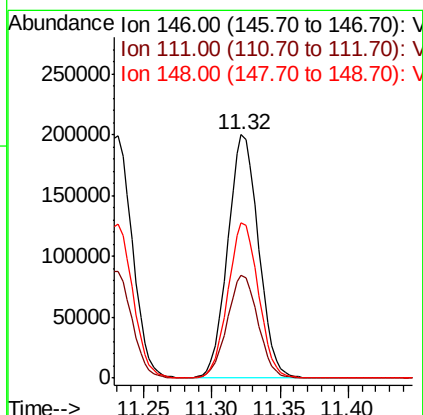
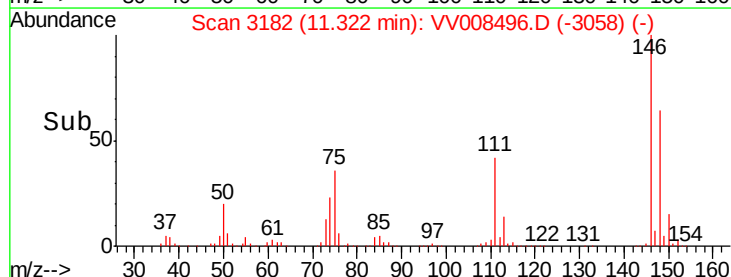
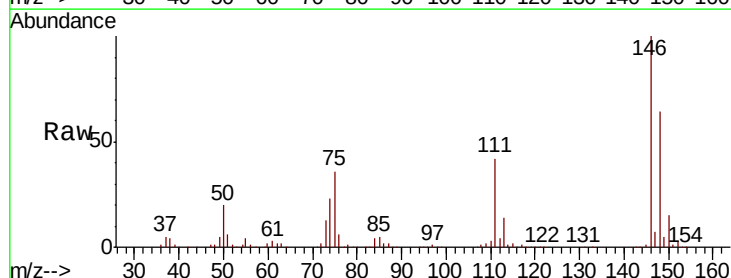
Tgt Ion:146 Resp: 314093

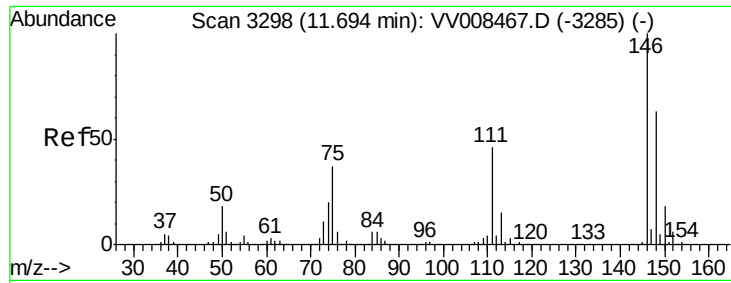
Ion Ratio Lower Upper

146 100

111 42.4 29.8 55.4

148 63.7 44.5 82.7

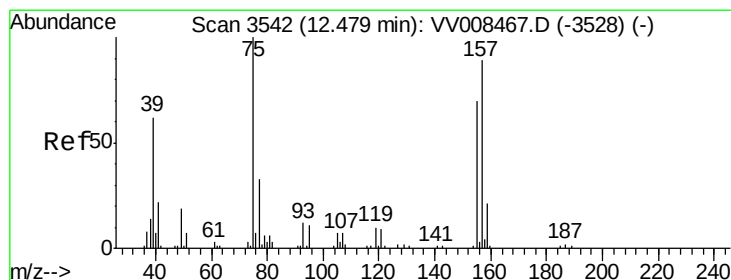
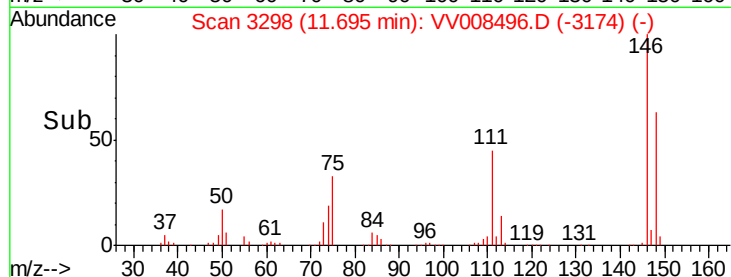
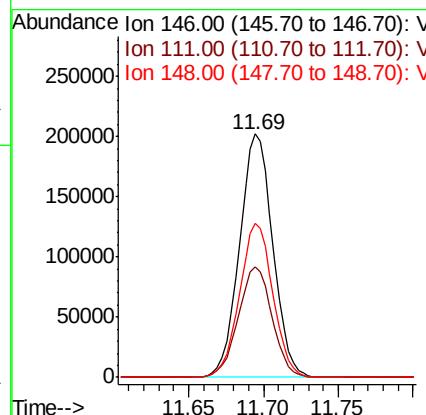
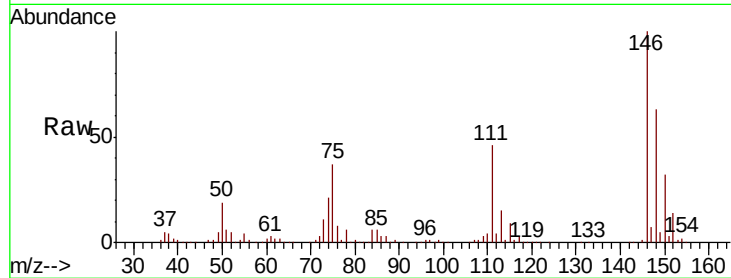




#65
 1,2-Dichlorobenzene
 Concen: 97.474 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

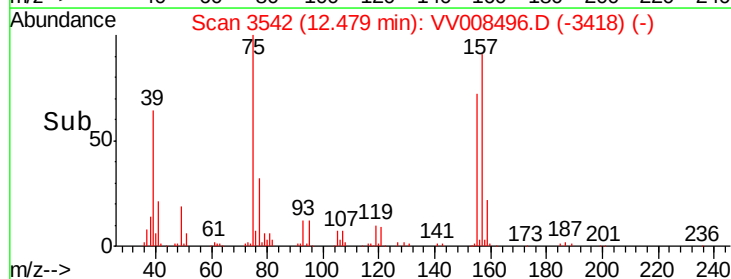
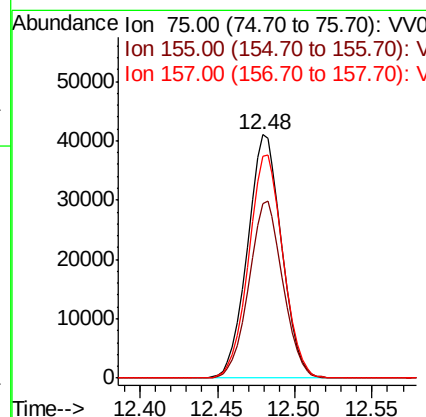
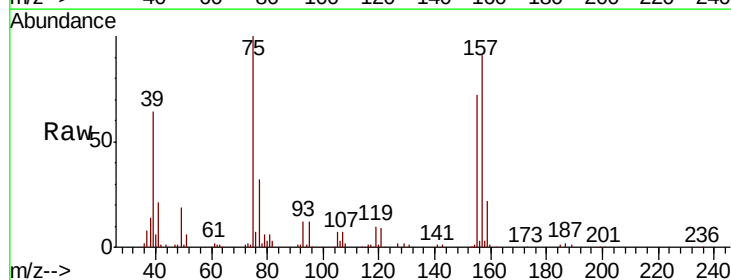
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10056

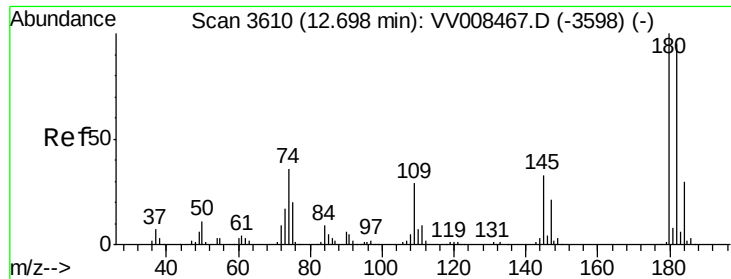
Tgt Ion: 146 Resp: 312426
 Ion Ratio Lower Upper
 146 100
 111 45.6 35.9 53.9
 148 63.2 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 96.538 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

Tgt Ion: 75 Resp: 63084
 Ion Ratio Lower Upper
 75 100
 155 71.6 55.8 83.8
 157 90.9 72.0 108.0

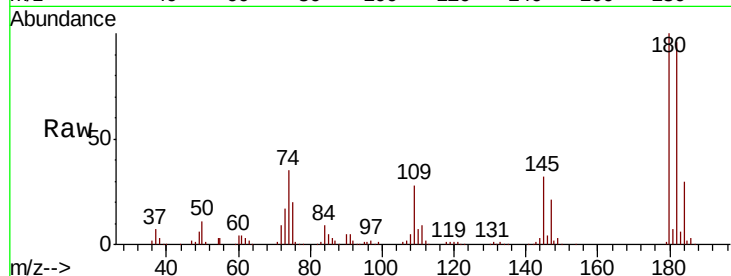




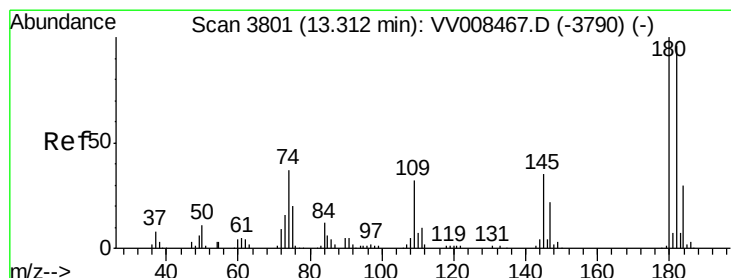
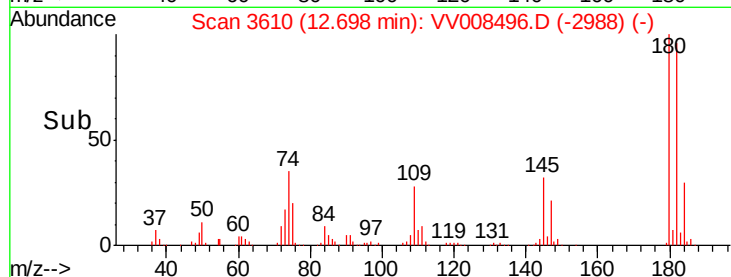
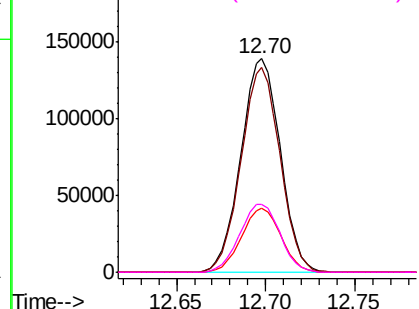
#67
 1,3,5-Trichlorobenzene
 Concen: 103.762 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10056

Tgt Ion:180 Resp: 213735
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.6 113.4
 184 30.0 23.6 35.4
 145 32.4 26.2 39.4

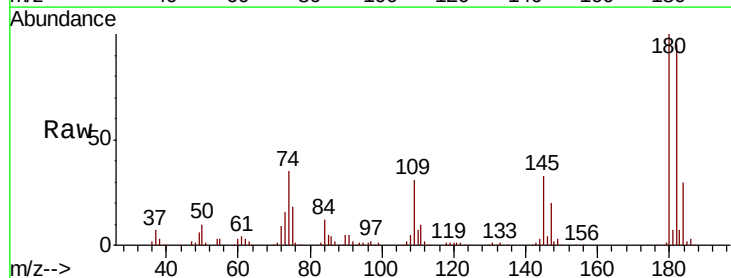


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

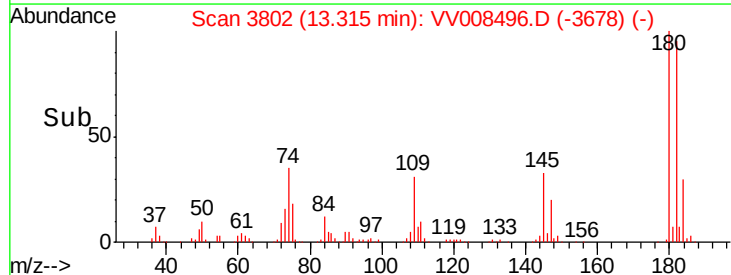
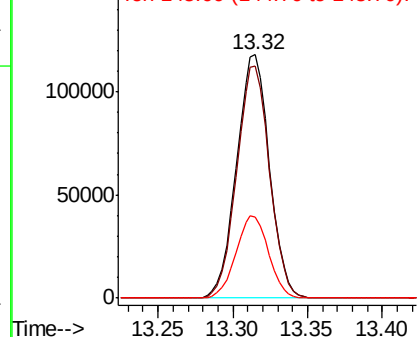


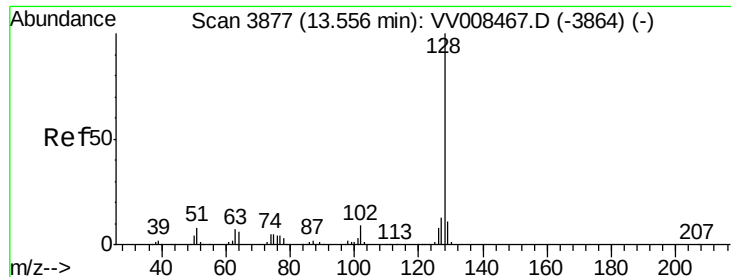
#68
 1,2,4-trichlorobenzene
 Concen: 108.954 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008496.D
 Acq: 31 Oct 2018 15:32

Tgt Ion:180 Resp: 180222
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.9 113.9
 145 33.6 27.2 40.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 106.825 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD10056

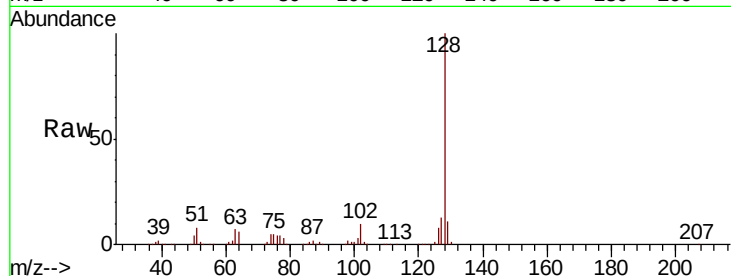
Tgt Ion:128 Resp: 566875

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

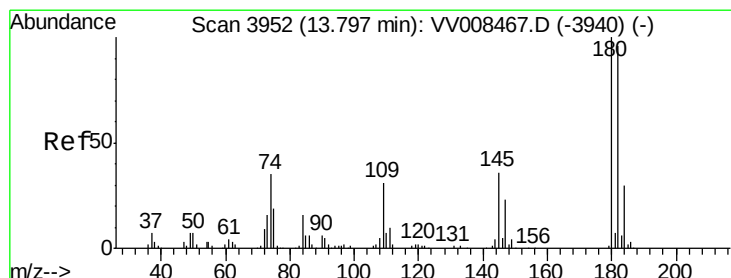
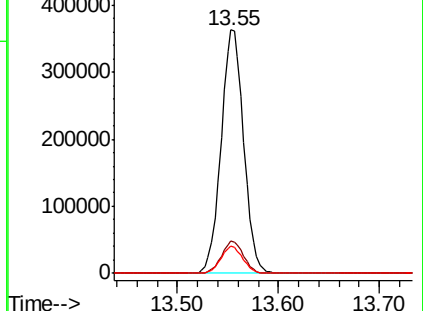
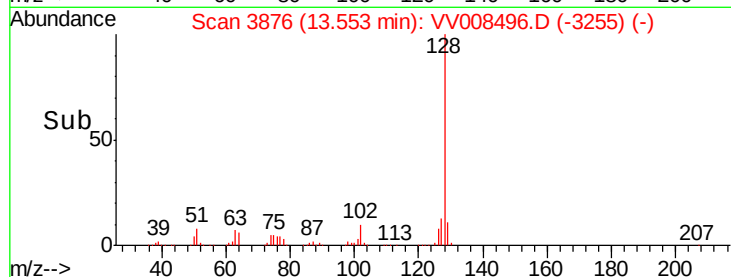
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 107.649 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008496.D

Acq: 31 Oct 2018 15:32

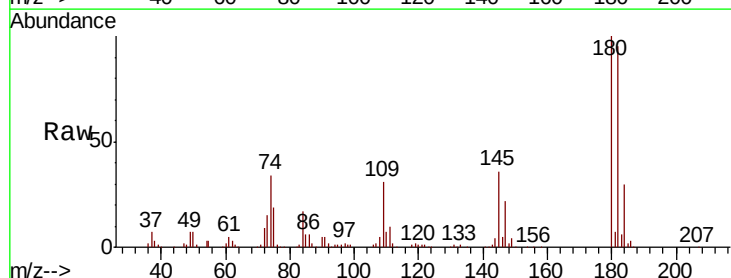
Tgt Ion:180 Resp: 178379

Ion Ratio Lower Upper

180 100

182 95.2 75.1 112.7

145 36.0 29.0 43.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

