

Data File : VV007852.D
Acq On : 25 Sep 2018 13:17
Operator : SY/MD
Sample : VSTD10067
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10067

Quant Time: Sep 26 04:27:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 04:25:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	205413	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	207419	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118780	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127558	99.07	ug/L	0.00
7) Chloroethane-d5	1.58	69	112041	100.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	273750	99.77	ug/L	0.00
21) 2-Butanone-d5	3.95	46	198143	228.32	ug/L	0.00
24) Chloroform-d	4.41	84	284272	106.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	193158	101.28	ug/L	0.00
32) Benzene-d6	5.11	84	558339	100.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	173819	99.92	ug/L	0.00
41) Toluene-d8	7.36	98	574332	102.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	90130	108.83	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	165148	231.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	268425	104.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	261053	98.86	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	145194	99.669	ug/L	99
3) Chloromethane	1.26	50	135983	97.048	ug/L	100
5) Vinyl chloride	1.33	62	147634	98.164	ug/L	98
6) Bromomethane	1.53	94	86404	103.744	ug/L	97
8) Chloroethane	1.60	64	92987	99.126	ug/L	97
9) Trichlorofluoromethane	1.77	101	248265	98.519	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	136336	96.807	ug/L	99
12) 1,1-Dichloroethene	2.15	96	123005	97.436	ug/L	89
13) Acetone	2.19	43	183240	175.271	ug/L	99
14) Carbon disulfide	2.32	76	338754	102.735	ug/L	99
15) Methyl Acetate	2.46	43	153169	99.869	ug/L	99
16) Methylene chloride	2.54	84	138248	98.852	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	133386	98.925	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	421020	100.215	ug/L	100
19) 1,1-Dichloroethane	3.24	63	232222	100.360	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	148285	101.497	ug/L	99
22) 2-Butanone	4.03	43	236445	197.360	ug/L	99
23) Bromochloromethane	4.31	128	77493	101.948	ug/L	98
25) Chloroform	4.43	83	273490	99.584	ug/L	98
27) 1,2-Dichloroethane	5.19	62	215417	98.969	ug/L	98
29) Cyclohexane	4.73	56	221651	99.925	ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	234144	99.668	ug/L	99
31) Carbon tetrachloride	4.88	117	213212	102.725	ug/L	99
33) Benzene	5.15	78	558485	100.129	ug/L	100
34) Trichloroethene	5.96	95	148969	96.283	ug/L	99
35) Methylcyclohexane	6.18	83	243795	100.439	ug/L	98
37) 1,2-Dichloropropane	6.23	63	146534	98.512	ug/L	99
38) Bromodichloromethane	6.56	83	197239	104.770	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	231857	107.368	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	441803	210.179	ug/L	99

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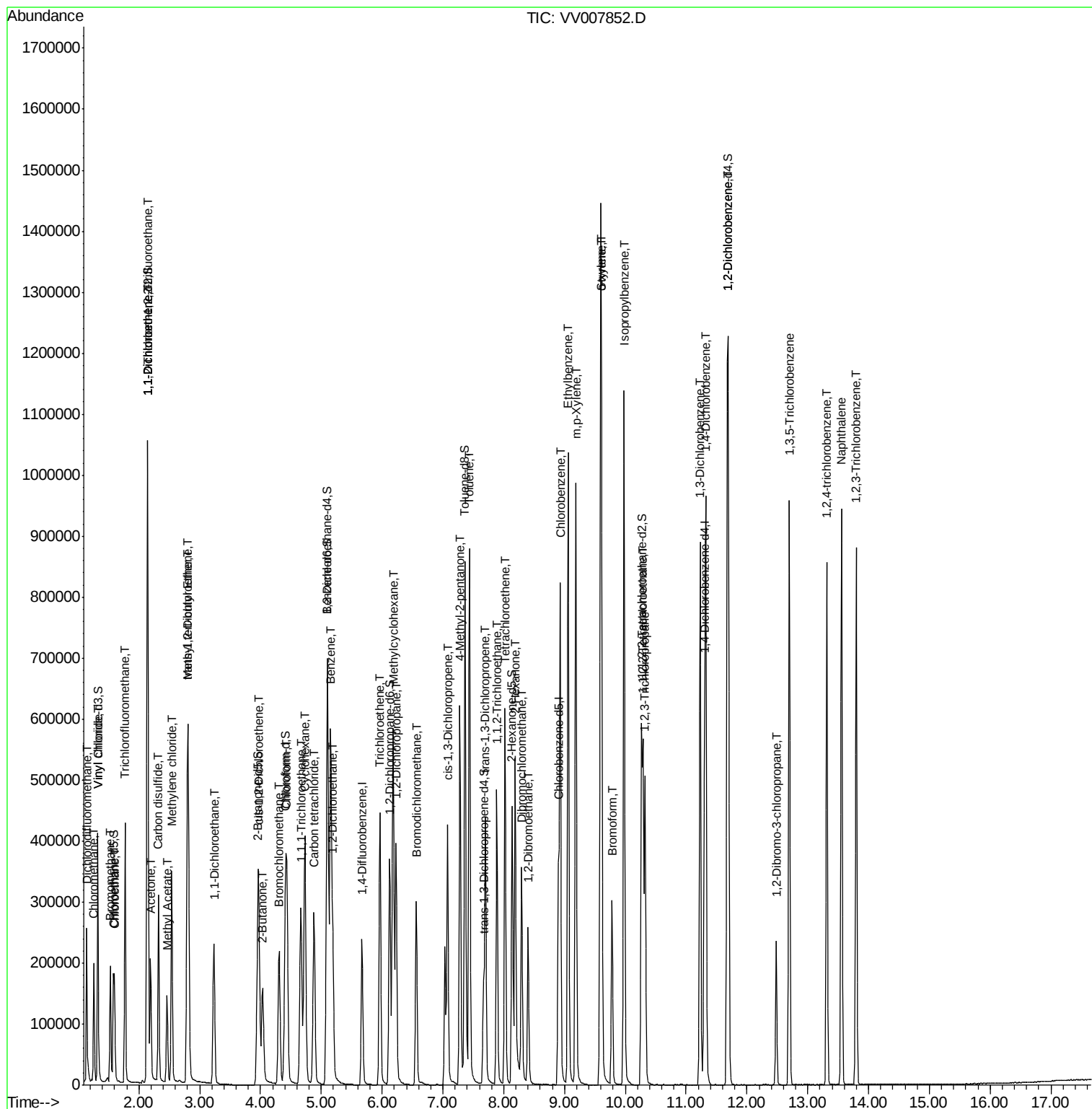
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	638129	101.544	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	234859	109.424	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	148112	99.641	ug/L	98
46) Tetrachloroethene	8.02	164	145073	97.579	ug/L	99
48) 2-Hexanone	8.19	43	362866	218.414	ug/L	99
49) Dibromochloromethane	8.30	129	177398	109.145	ug/L	98
50) 1,2-Dibromoethane	8.40	107	164802	103.110	ug/L	99
51) Chlorobenzene	8.93	112	431397	99.178	ug/L	100
52) Ethylbenzene	9.06	91	732589	103.202	ug/L	100
53) m,p-Xylene	9.19	106	278601	103.013	ug/L	99
54) o-xylene	9.59	106	276722	105.331	ug/L	99
55) Styrene	9.61	104	487867	108.418	ug/L	97
56) Isopropylbenzene	9.98	105	750850	104.857	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	250323	103.046	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	199407	100.702	ug/L	99
61) Bromoform	9.78	173	138678	110.713	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	374744	100.833	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	385416	97.589	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	383785	99.512	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	53350	105.726	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	312997	99.897	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	278770	105.452	ug/L	99
69) Naphthalene	13.56	128	741749	114.702	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	282756	105.638	ug/L	99

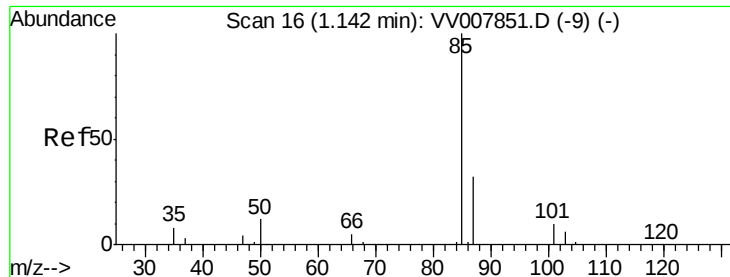
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 99.669 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

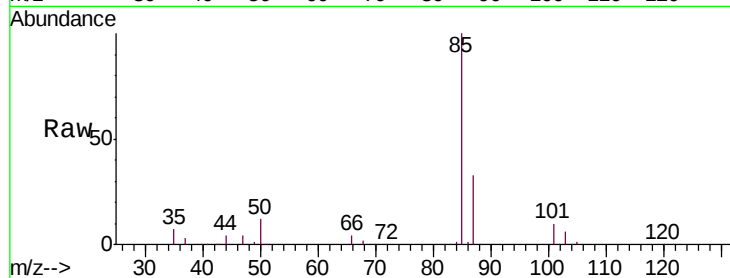
VSTD10067

Tgt Ion: 85 Resp: 145194

Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV007851.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV007851.D (-9) (-)

1.14

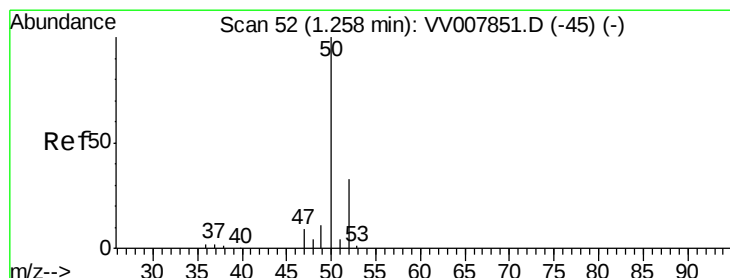
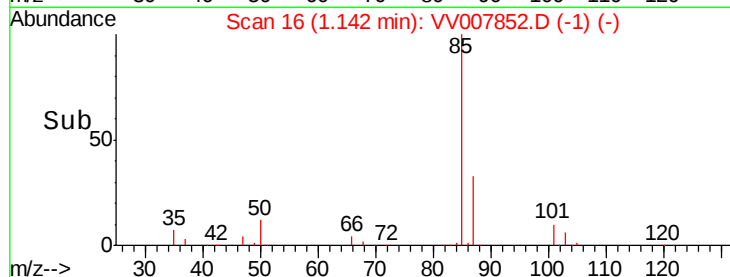
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 97.048 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV007852.D

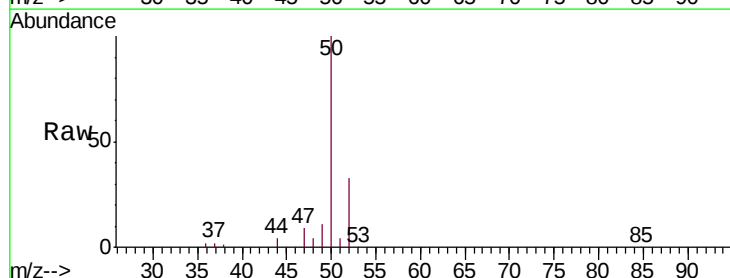
Acq: 25 Sep 2018 13:17

Tgt Ion: 50 Resp: 135983

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV007851.D (-45) (-)

Ion 52.00 (51.70 to 52.70): VV007851.D (-45) (-)

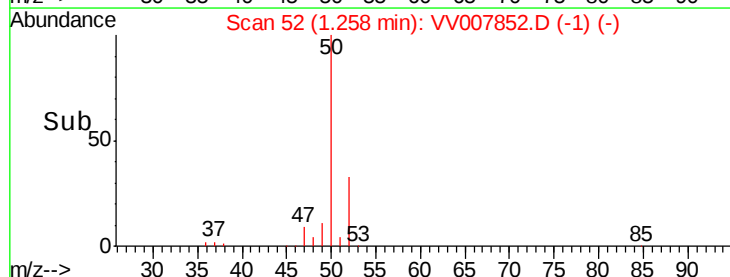
1.26

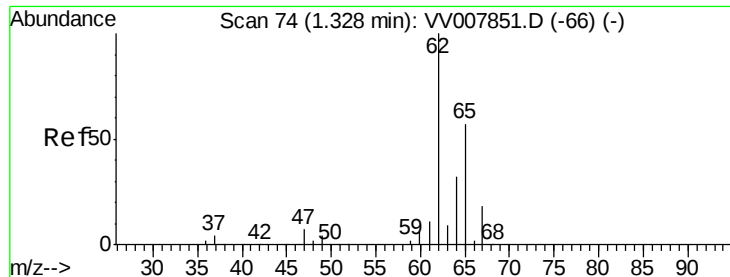
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 98.164 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

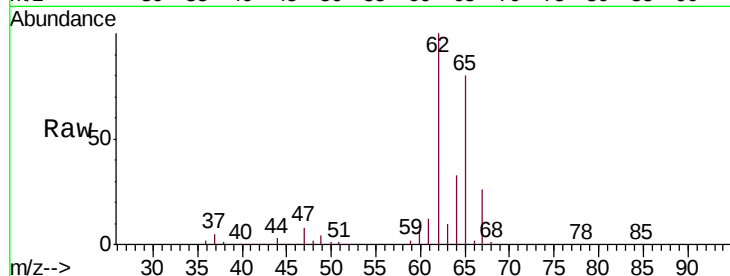
VSTD10067

Tgt Ion: 62 Resp: 147634

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV007851.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV007851.D (-66) (-)

1.33

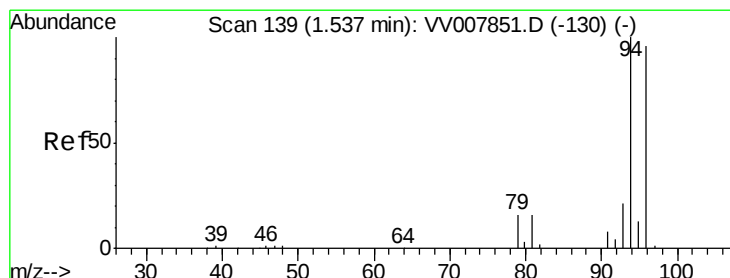
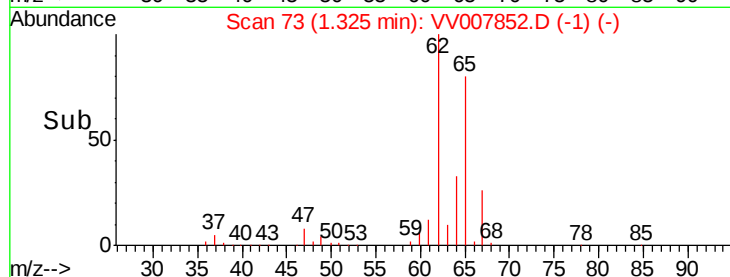
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 103.744 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.01 min

Lab File: VV007852.D

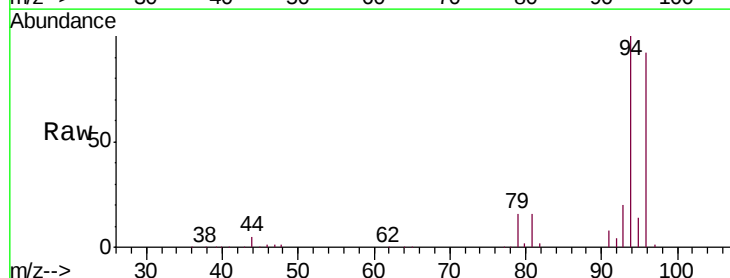
Acq: 25 Sep 2018 13:17

Tgt Ion: 94 Resp: 86404

Ion Ratio Lower Upper

94 100

96 92.3 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV007851.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007851.D (-130) (-)

1.53

80000

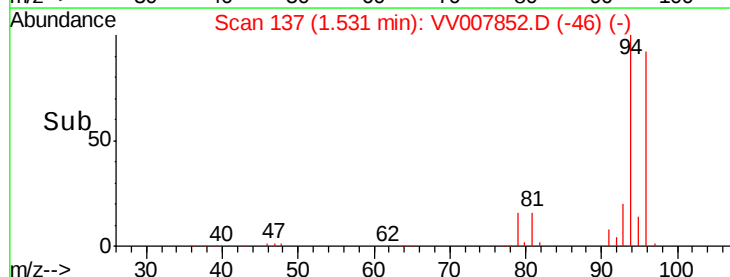
60000

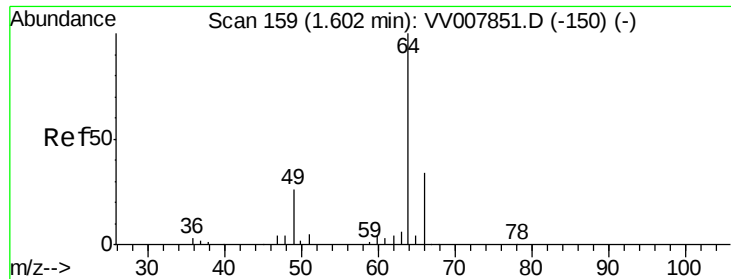
40000

20000

0

Time--> 1.45 1.50 1.55 1.60

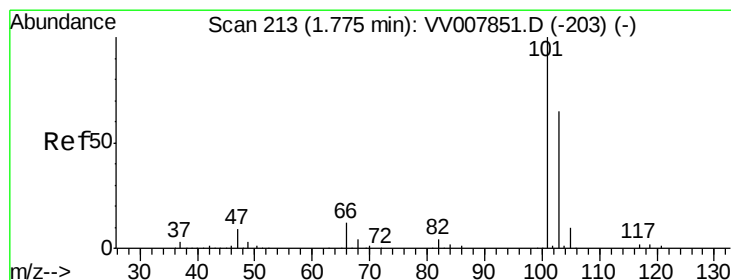
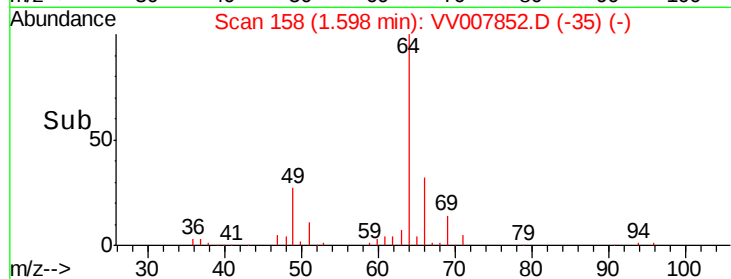
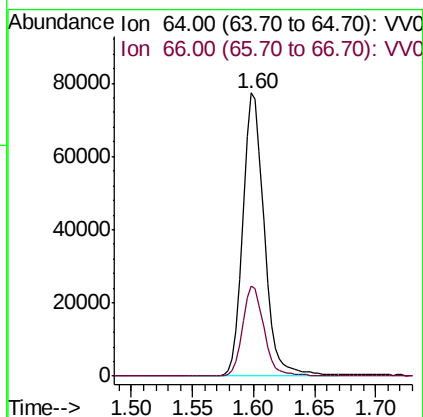
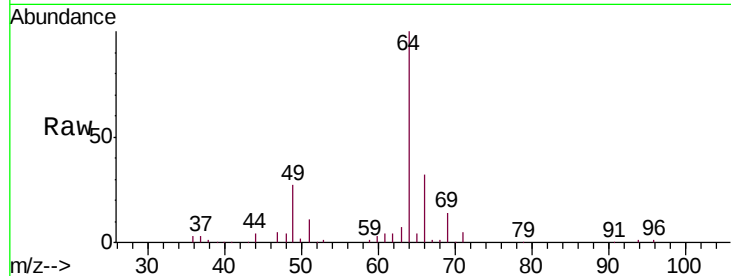




#8
Chloroethane
Concen: 99.126 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

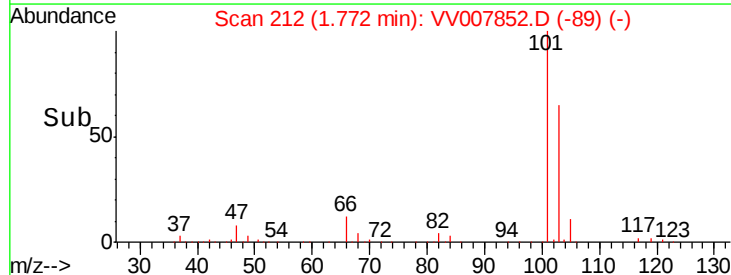
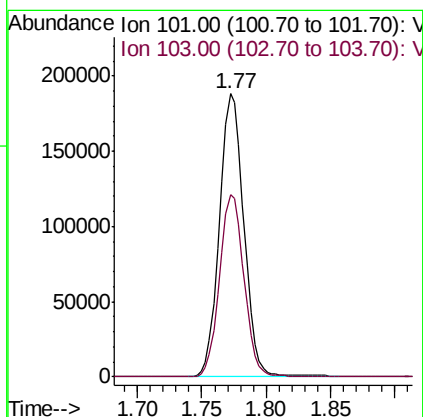
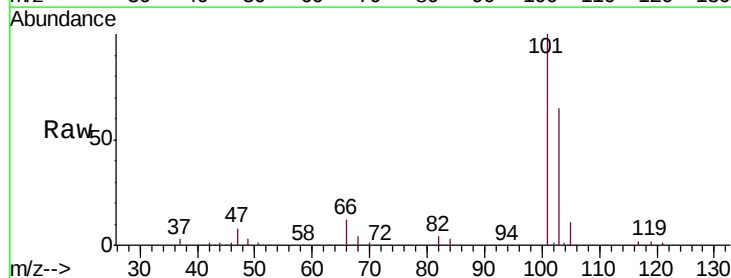
Instrument :
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VSTD10067

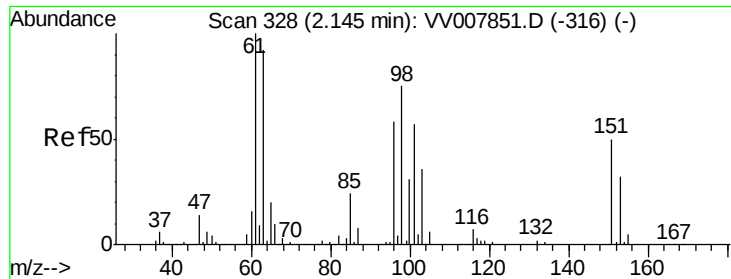
Tgt Ion: 64 Resp: 92987
Ion Ratio Lower Upper
64 100
66 32.0 23.4 43.6



#9
Trichlorofluoromethane
Concen: 98.519 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 101 Resp: 248265
Ion Ratio Lower Upper
101 100
103 64.6 52.4 78.6





#10

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

Concen: 96.807 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10067

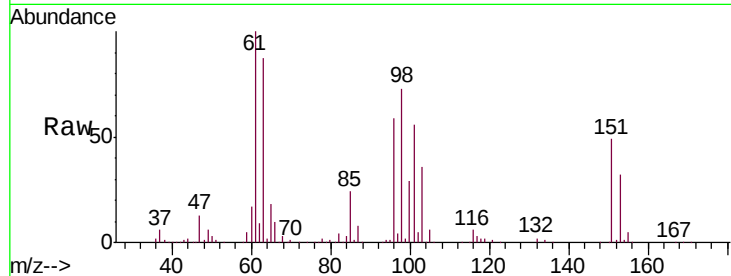
Tgt Ion: 101 Resp: 136336

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.2

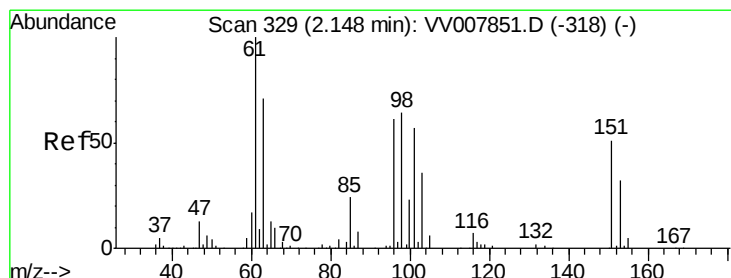
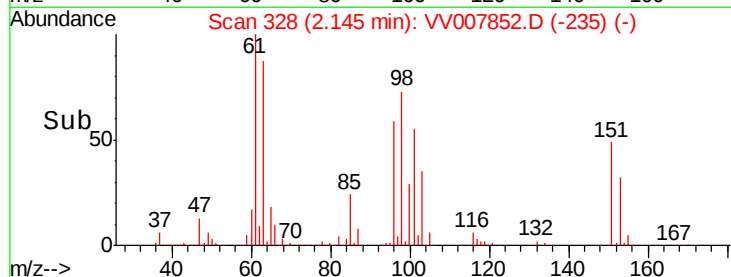
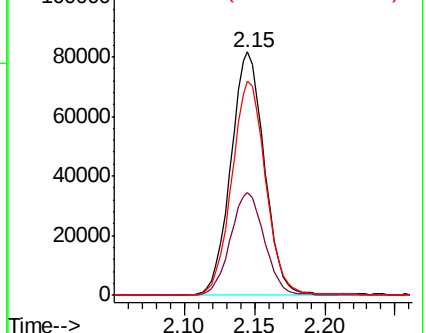
151 88.8 69.7 104.5



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: 97.436 ug/L

RT: 2.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

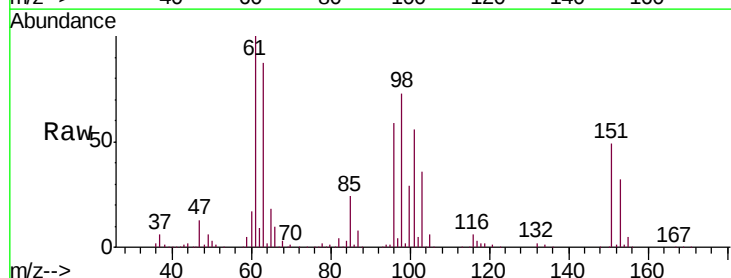
Tgt Ion: 96 Resp: 123005

Ion Ratio Lower Upper

96 100

61 170.6 116.1 215.7

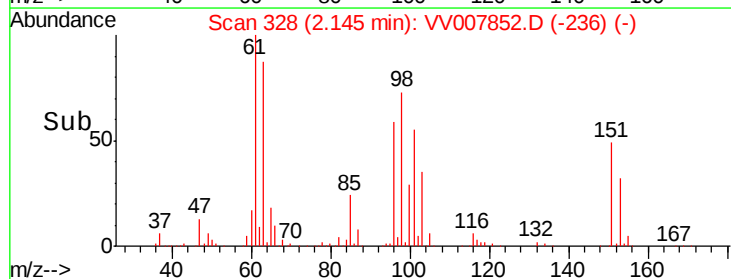
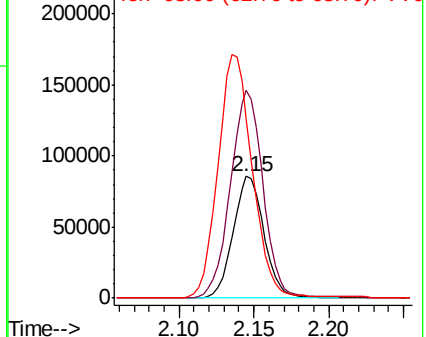
63 148.0 86.5 160.7

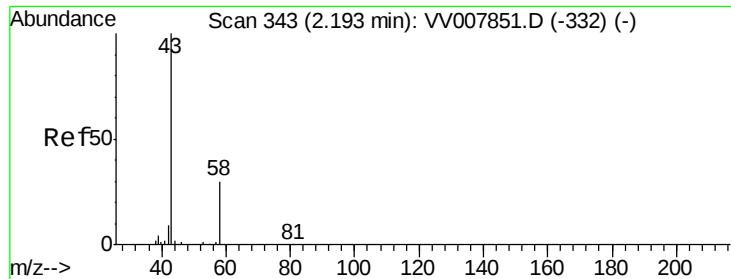


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 175.271 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

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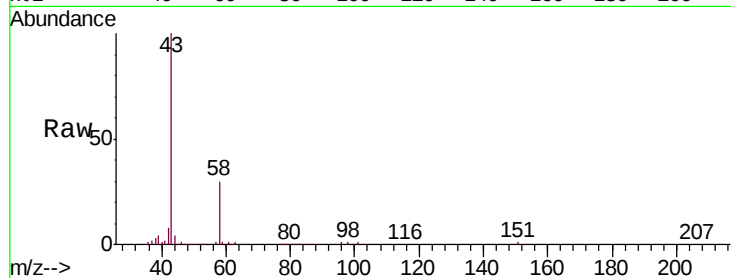
VSTD10067

Tgt Ion: 43 Resp: 183240

Ion Ratio Lower Upper

43 100

58 30.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV007851.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV007851.D (-332) (-)

2.19

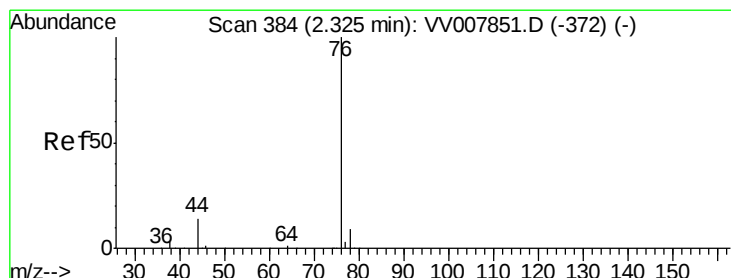
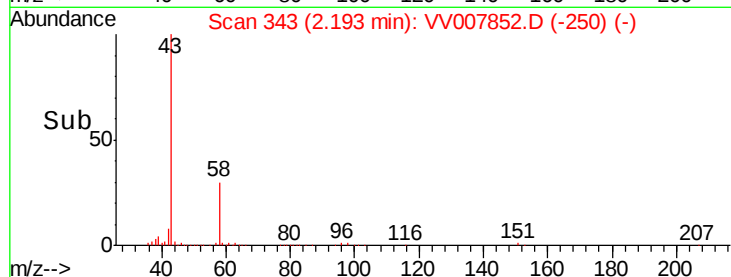
100000

50000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 102.735 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007852.D

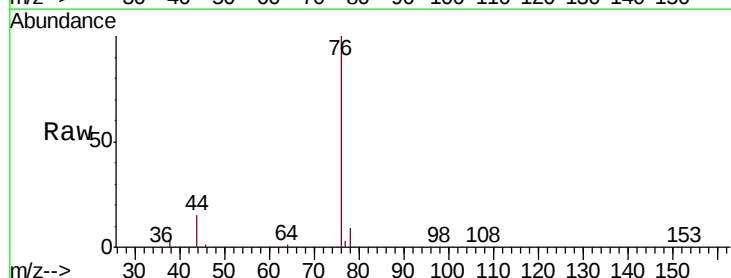
Acq: 25 Sep 2018 13:17

Tgt Ion: 76 Resp: 338754

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV007851.D (-372) (-)

Ion 78.00 (77.70 to 78.70): VV007851.D (-372) (-)

2.32

250000

200000

150000

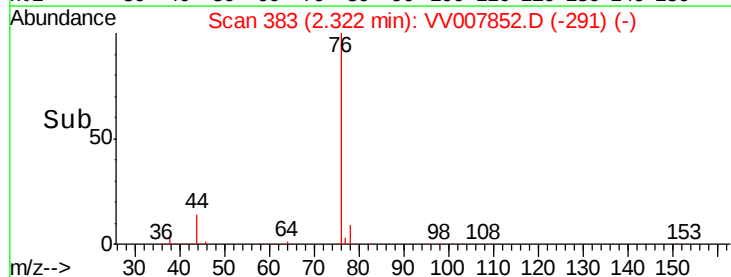
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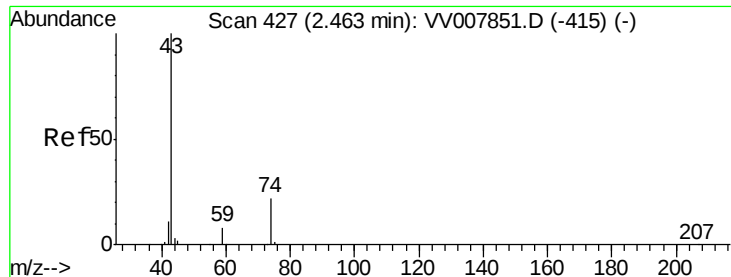
50000

0

Time-->

2.30 2.40

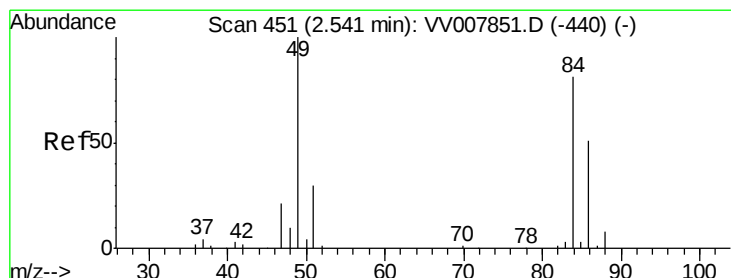
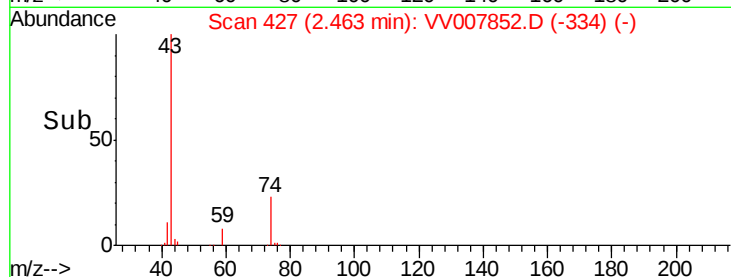
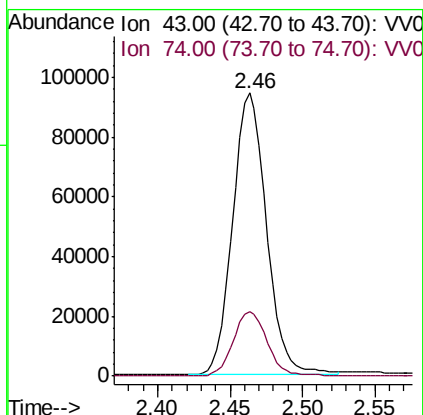
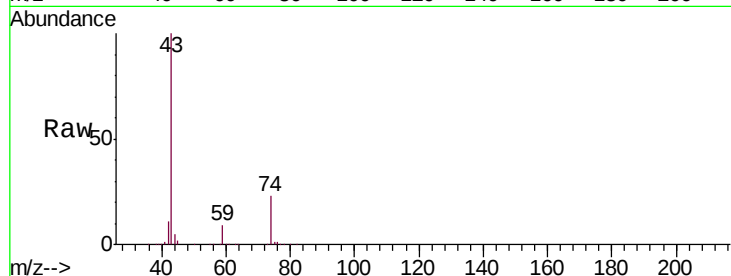




#15
Methyl Acetate
Concen: 99.869 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

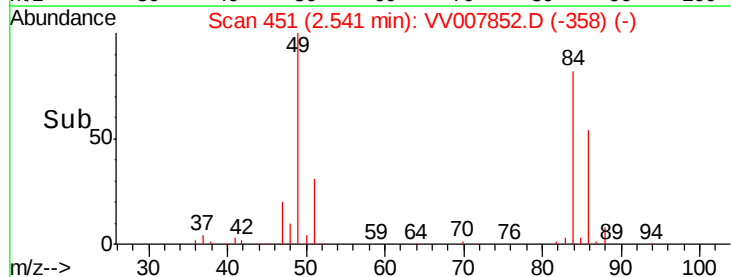
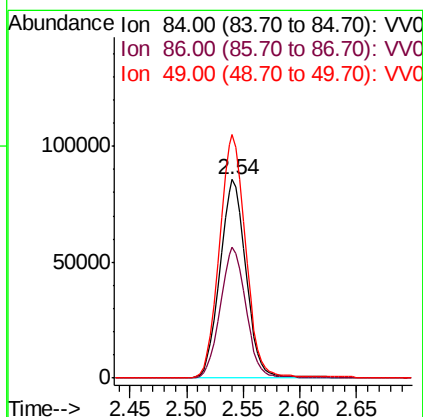
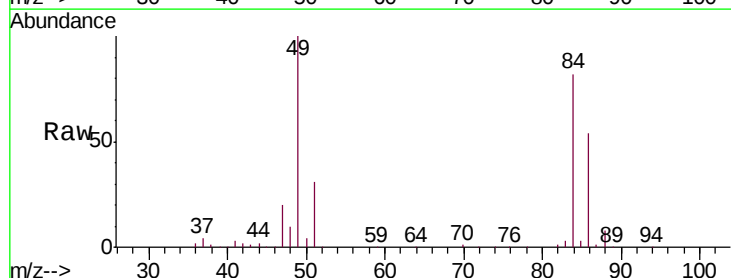
Instrument :
MSVOA_V
ClientSampleId :
VSTD10067

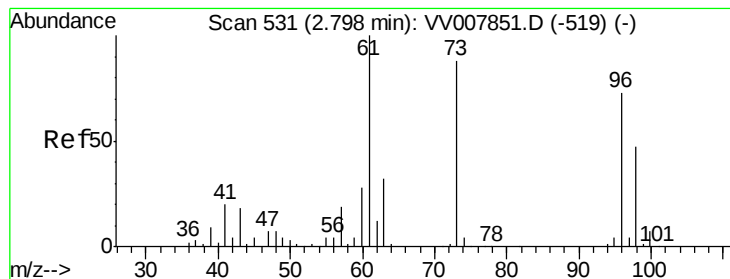
Tgt Ion: 43 Resp: 153169
Ion Ratio Lower Upper
43 100
74 23.1 18.2 27.4



#16
Methylene chloride
Concen: 98.852 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 84 Resp: 138248
Ion Ratio Lower Upper
84 100
86 65.8 44.4 82.4
49 122.6 86.8 161.2





#17

trans-1,2-Dichloroethene

Concen: 98.925 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10067

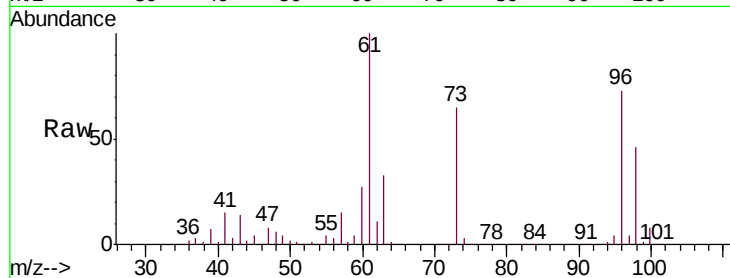
Tgt Ion: 96 Resp: 133386

Ion Ratio Lower Upper

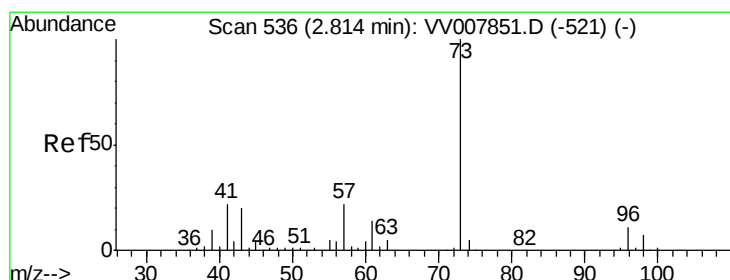
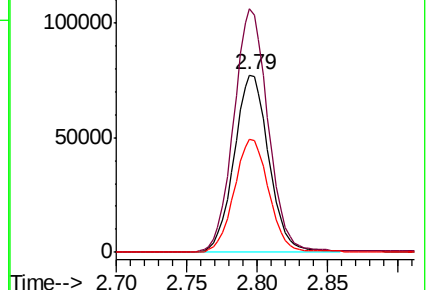
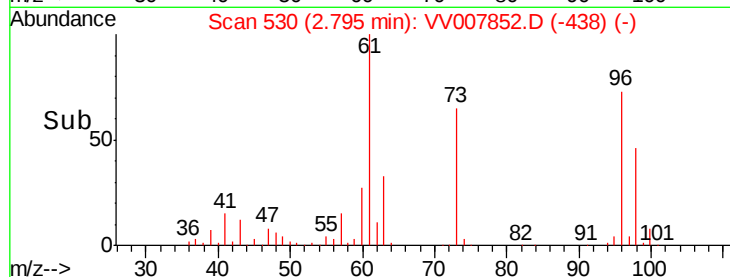
96 100

61 137.4 96.8 179.8

98 63.5 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VV007852.D (-438) (-)



#18

Methyl tert-butyl Ether

Concen: 100.215 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

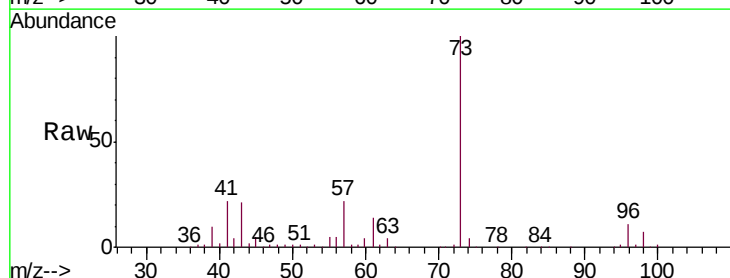
Tgt Ion: 73 Resp: 421020

Ion Ratio Lower Upper

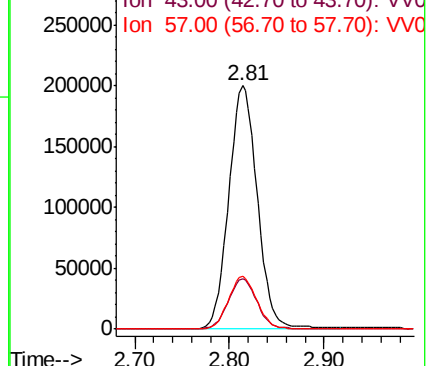
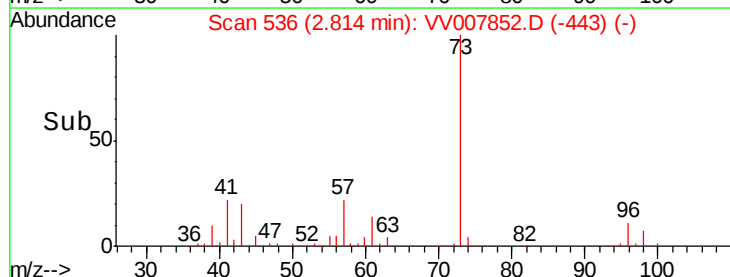
73 100

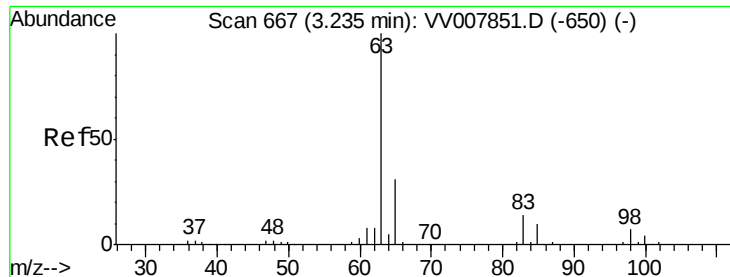
43 20.4 16.2 24.4

57 21.4 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV007852.D (-443) (-)

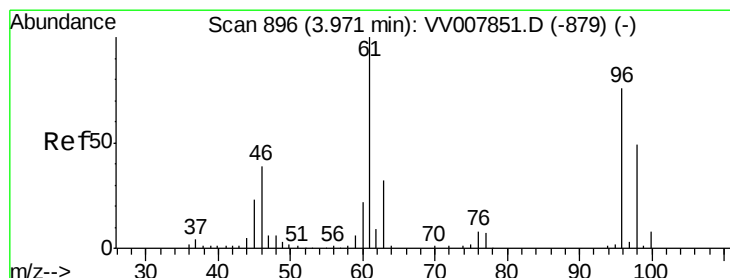
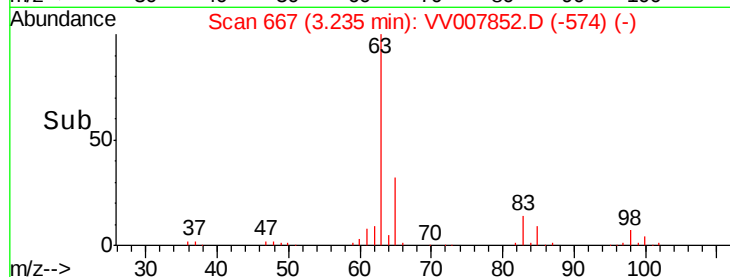
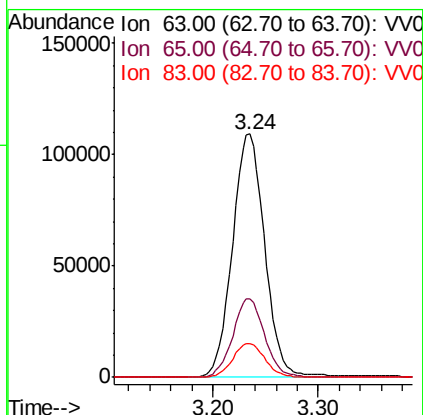
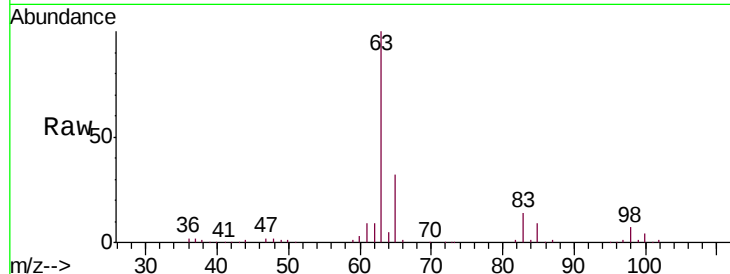




#19
 1,1-Dichloroethane
 Concen: 100.360 ug/L
 RT: 3.24 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

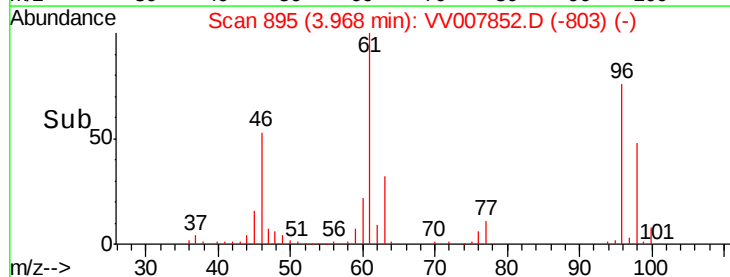
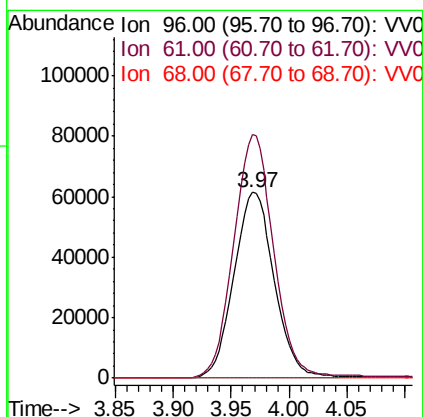
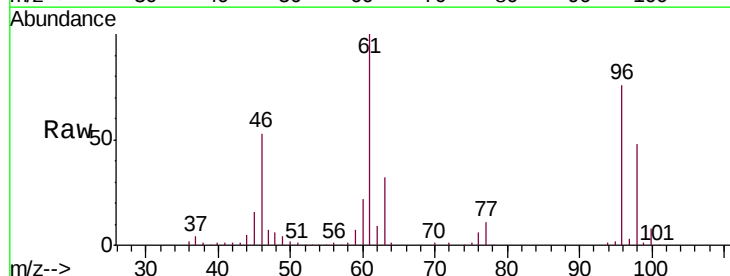
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10067

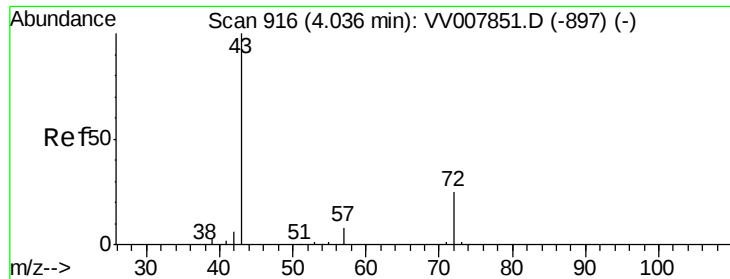
Tgt Ion: 63 Resp: 232222
 Ion Ratio Lower Upper
 63 100
 65 32.4 21.9 40.7
 83 13.9 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 101.497 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

Tgt Ion: 96 Resp: 148285
 Ion Ratio Lower Upper
 96 100
 61 130.9 92.6 172.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 197.360 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampled :

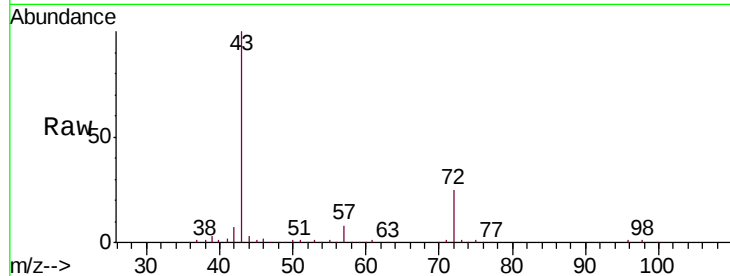
VSTD10067

Tgt Ion: 43 Resp: 236445

Ion Ratio Lower Upper

43 100

72 25.3 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VV007851.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV007851.D (-897) (-)

4.03

100000

80000

60000

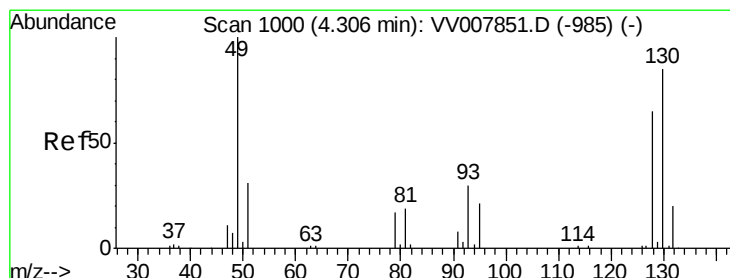
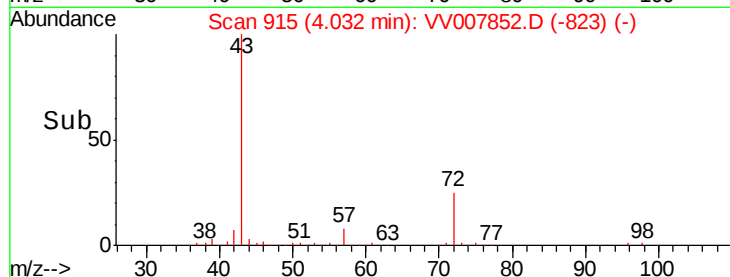
40000

20000

0

4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 101.948 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Tgt Ion: 128 Resp: 77493

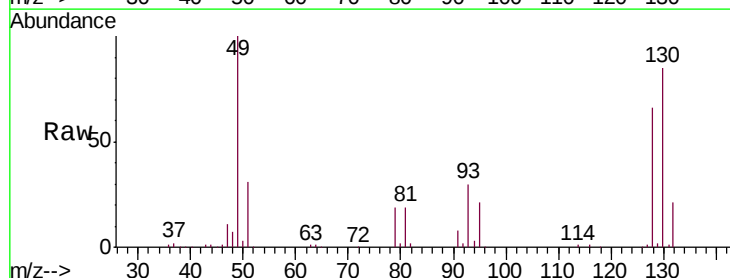
Ion Ratio Lower Upper

128 100

49 151.0 107.7 199.9

130 129.0 91.1 169.1

51 46.5 38.1 57.1



Abundance Ion 128.00 (127.70 to 128.70): VV007851.D (-985) (-)

Ion 49.00 (48.70 to 49.70): VV007851.D (-985) (-)

Ion 130.00 (129.70 to 130.70): VV007851.D (-985) (-)

Ion 51.00 (50.70 to 51.70): VV007851.D (-985) (-)

4.31

60000

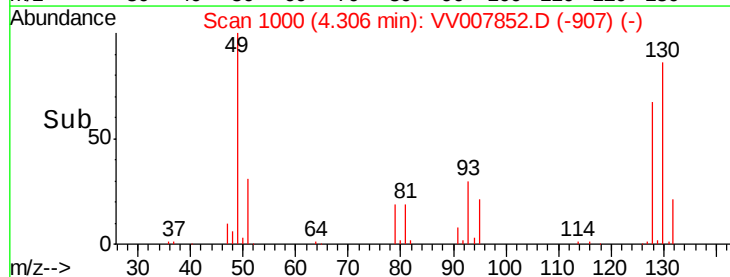
40000

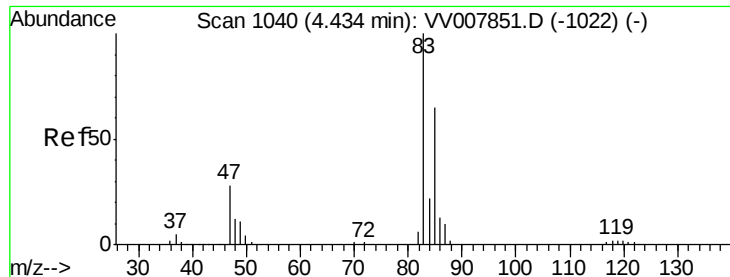
20000

0

4.20 4.25 4.30 4.35 4.40

Time-->





#25

Chloroform

Concen: 99.584 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

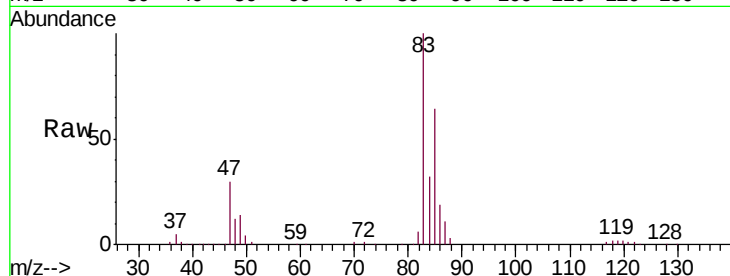
VSTD10067

Tgt Ion: 83 Resp: 273490

Ion Ratio Lower Upper

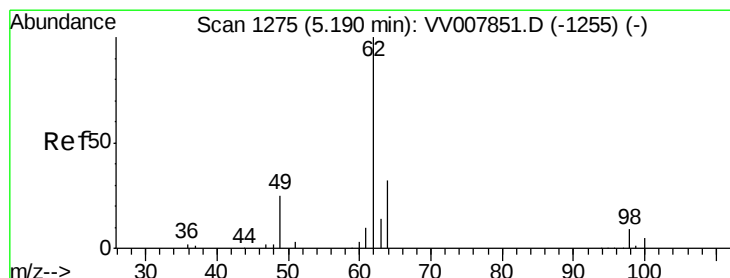
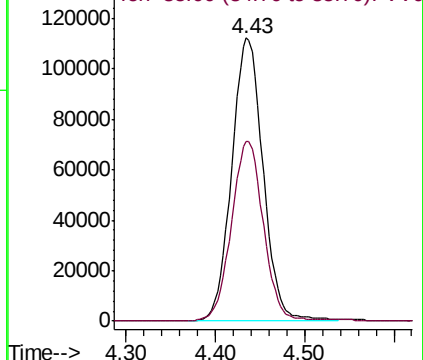
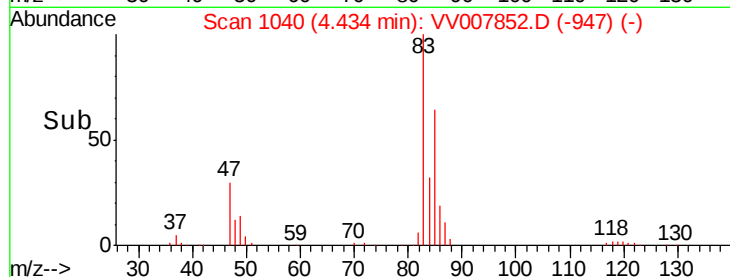
83 100

85 63.7 45.9 85.3



Abundance Ion 83.00 (82.70 to 83.70): VV007852.D (-947) (-)

Ion 85.00 (84.70 to 85.70): VV007852.D (-947) (-)



#27

1,2-Dichloroethane

Concen: 98.969 ug/L

RT: 5.19 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VV007852.D

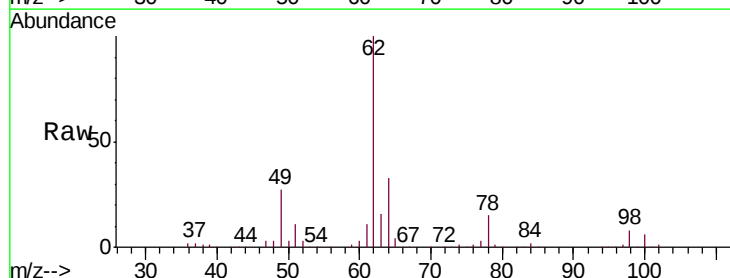
Acq: 25 Sep 2018 13:17

Tgt Ion: 62 Resp: 215417

Ion Ratio Lower Upper

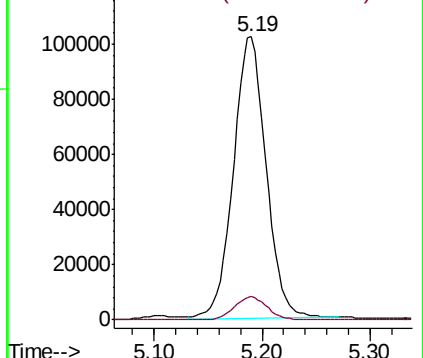
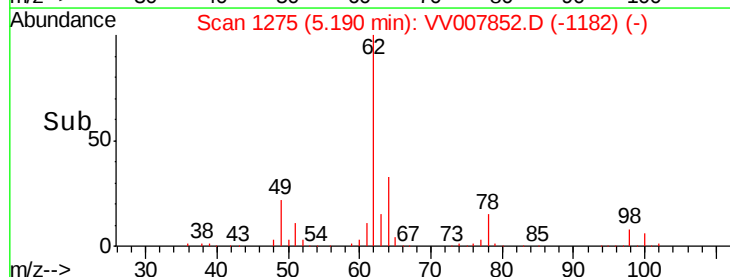
62 100

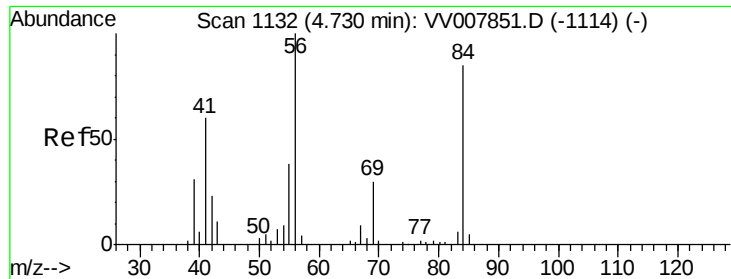
98 8.2 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VV007852.D (-1182) (-)

Ion 98.00 (97.70 to 98.70): VV007852.D (-1182) (-)

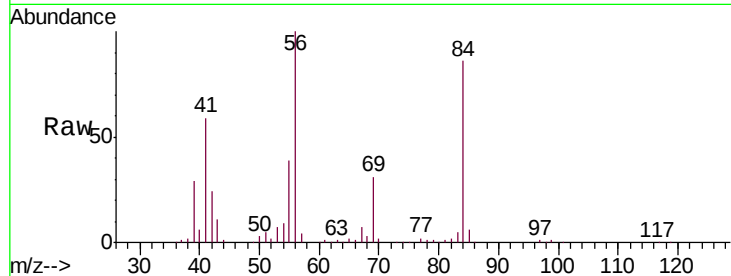




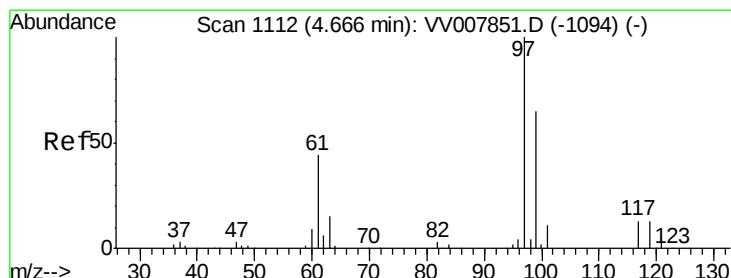
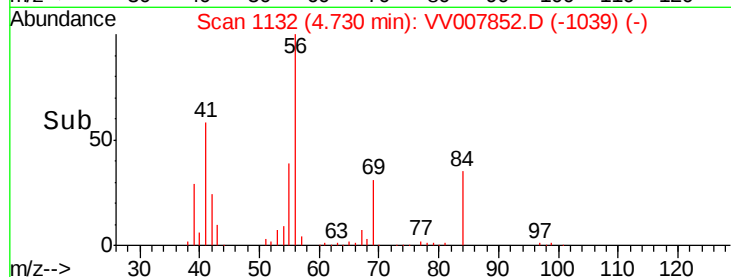
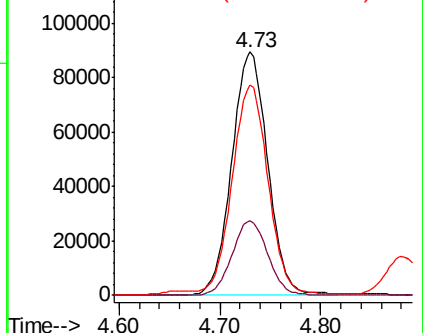
#29
Cyclohexane
Concen: 99.925 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD10067

Tgt Ion: 56 Resp: 221651
Ion Ratio Lower Upper
56 100
69 30.5 24.1 36.1
84 86.3 68.2 102.4

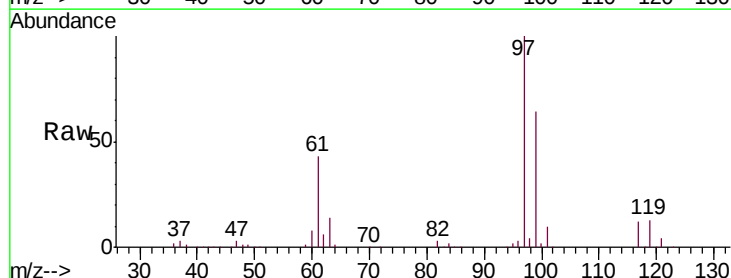


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

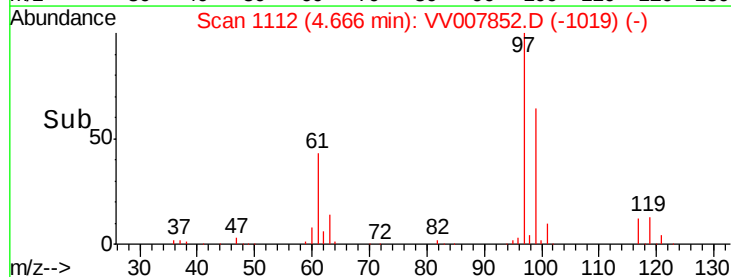
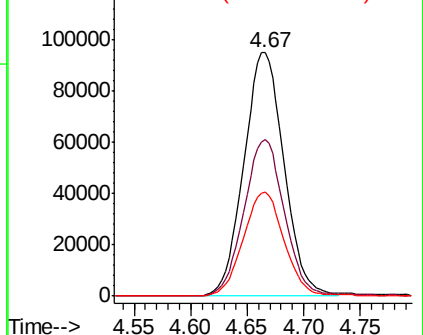


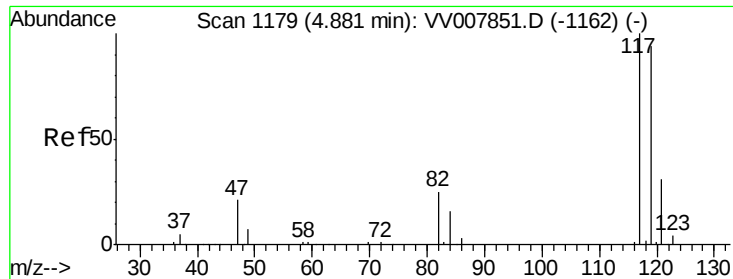
#30
1,1,1-Trichloroethane
Concen: 99.668 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 97 Resp: 234144
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.6
61 43.3 35.0 52.4



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: 102.725 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

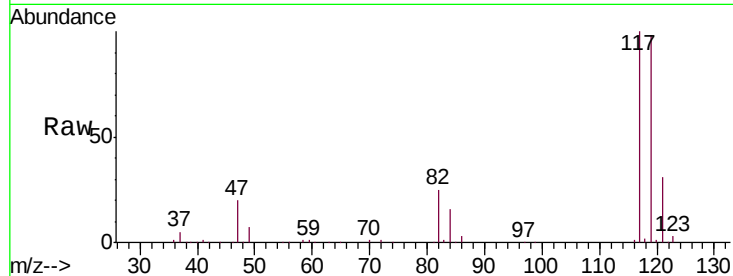
VSTD10067

Tgt Ion:117 Resp: 213212

Ion Ratio Lower Upper

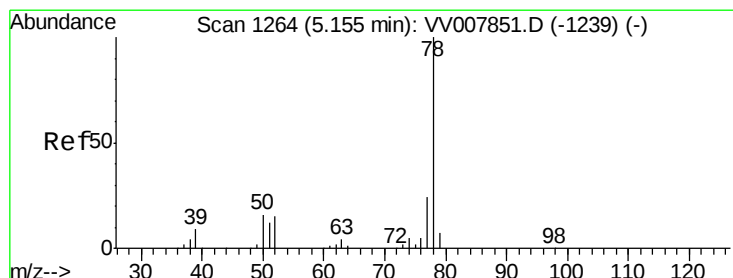
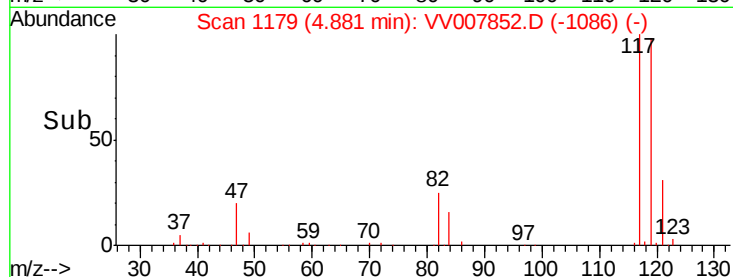
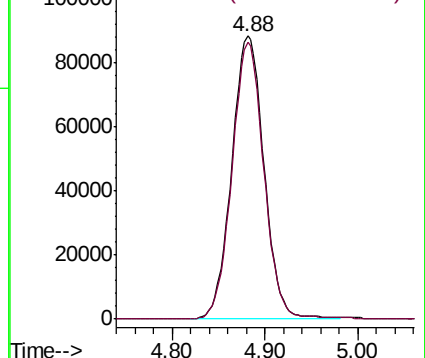
117 100

119 96.6 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 100.129 ug/L

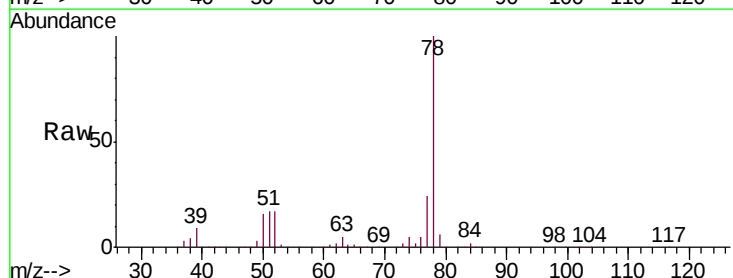
RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

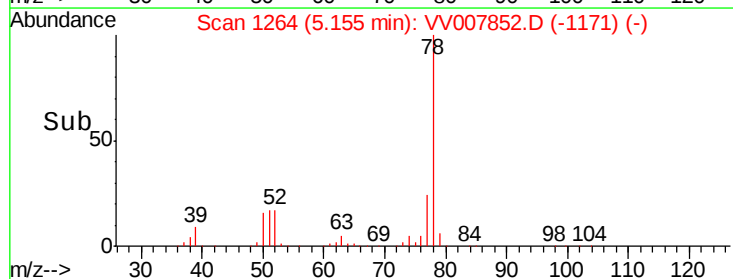
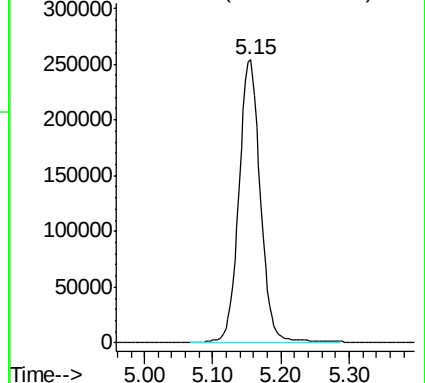
Lab File: VV007852.D

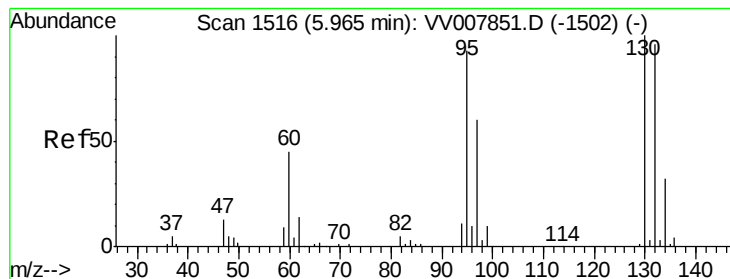
Acq: 25 Sep 2018 13:17

Tgt Ion: 78 Resp: 558485



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 96.283 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10067

Tgt Ion: 95 Resp: 148969

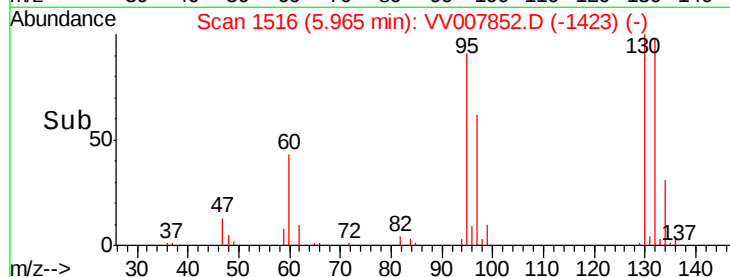
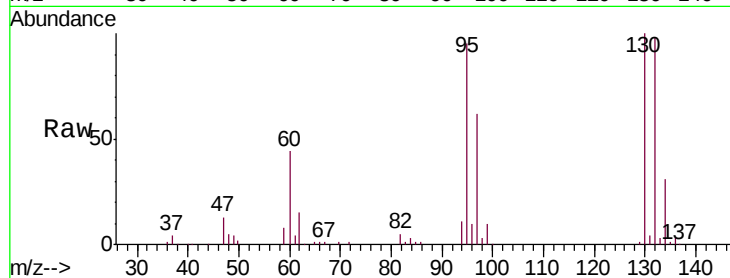
Ion Ratio Lower Upper

95 100

97 66.0 45.4 84.2

132 103.4 72.2 134.0

130 105.8 75.5 140.3



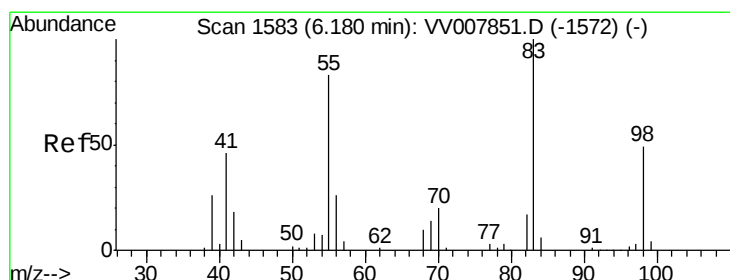
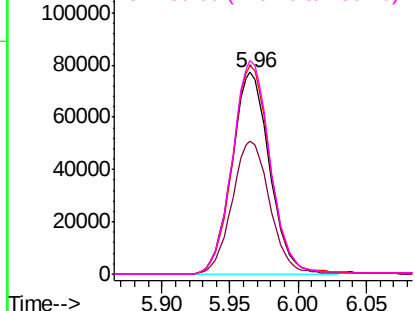
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 100.439 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

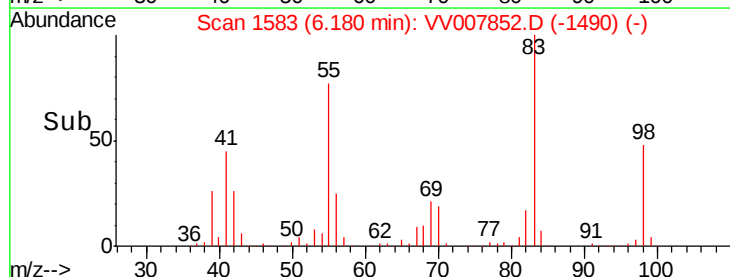
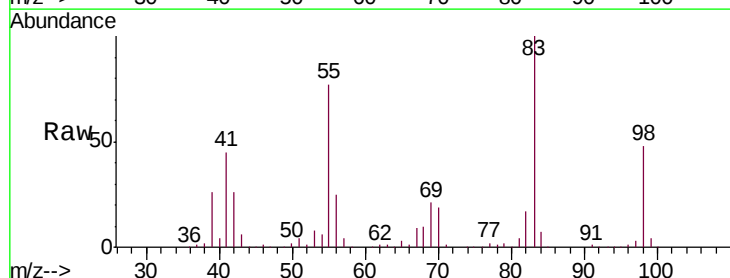
Tgt Ion: 83 Resp: 243795

Ion Ratio Lower Upper

83 100

55 76.5 62.6 94.0

98 47.9 37.6 56.4

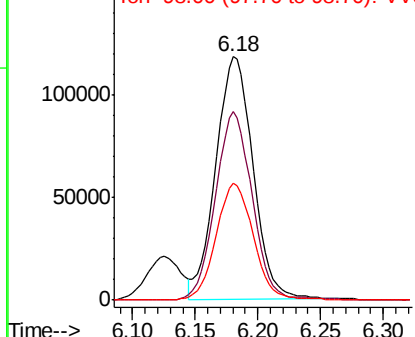


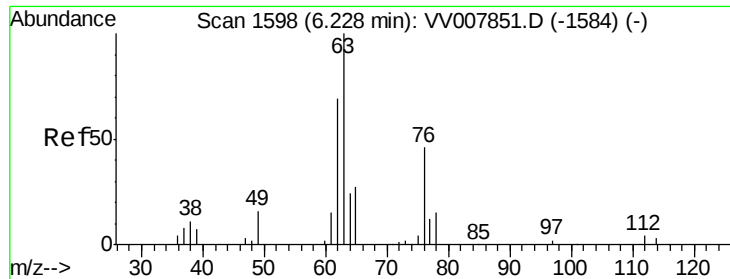
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

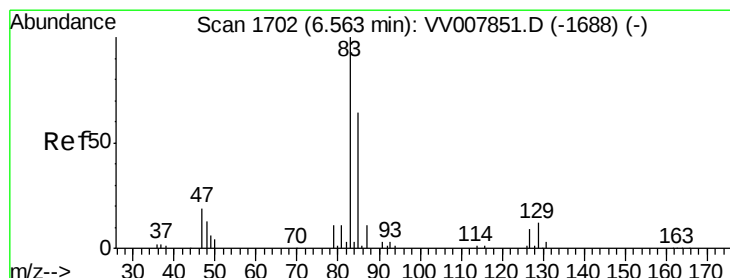
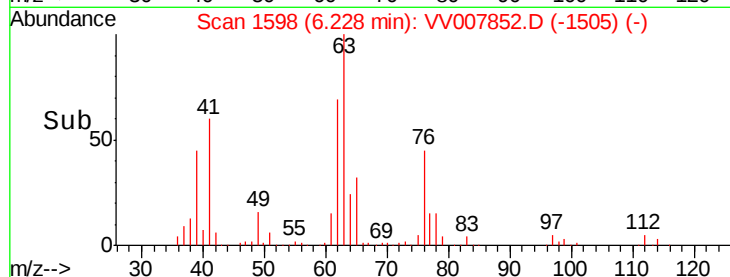
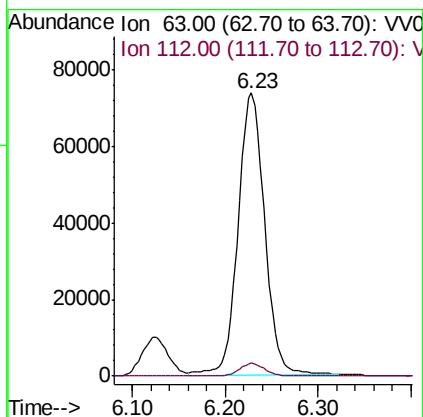
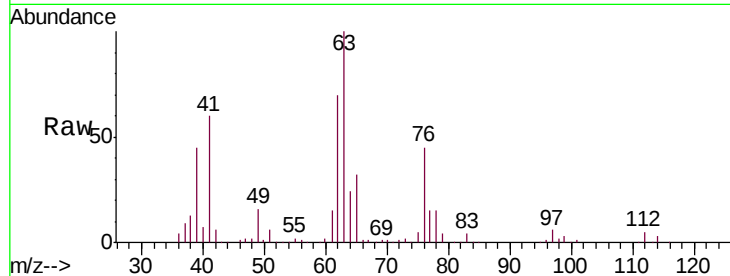




#37
 1,2-Dichloropropane
 Concen: 98.512 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

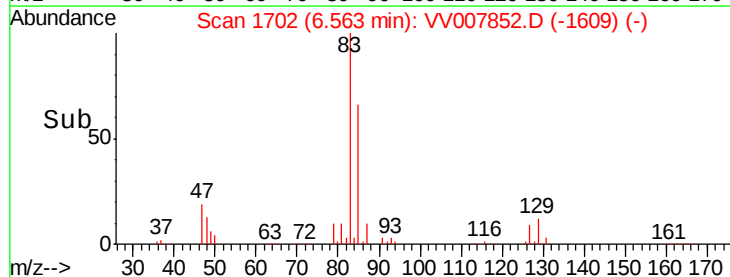
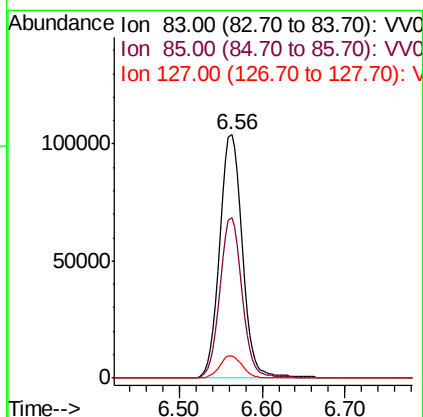
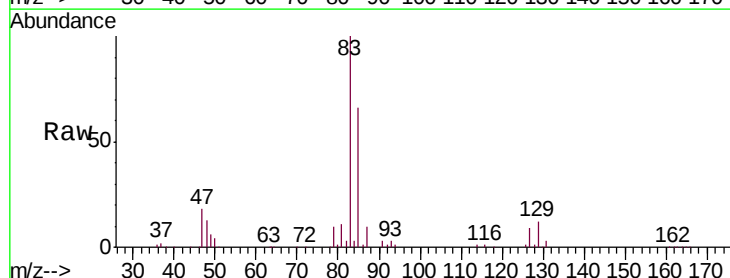
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10067

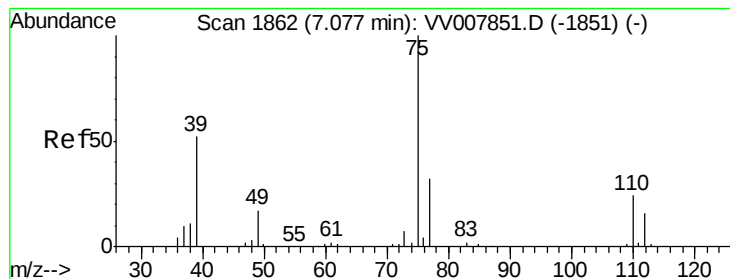
Tgt Ion: 63 Resp: 146534
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.3 4.9



#38
 Bromodichloromethane
 Concen: 104.770 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

Tgt Ion: 83 Resp: 197239
 Ion Ratio Lower Upper
 83 100
 85 65.8 44.9 83.3
 127 9.3 7.4 11.2



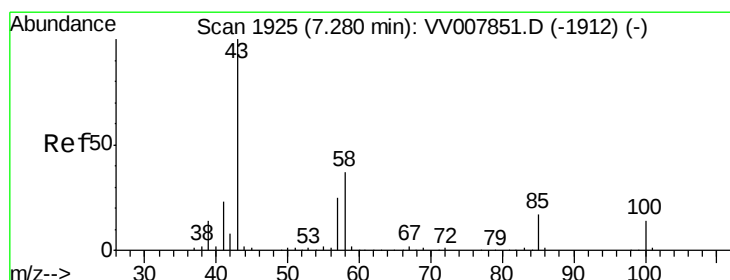
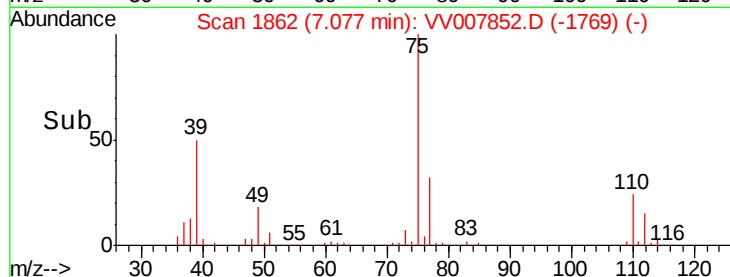
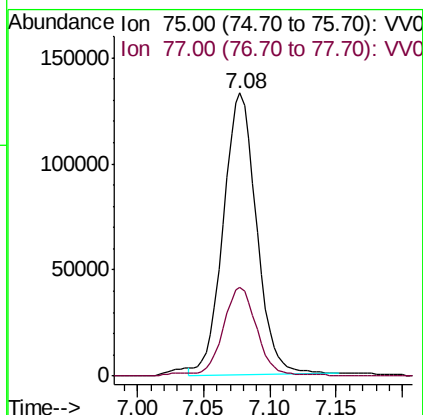
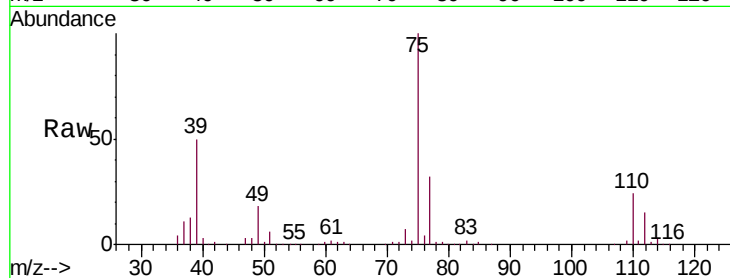


#39

cis-1,3-Dichloropropene
 Concen: 107.368 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10067

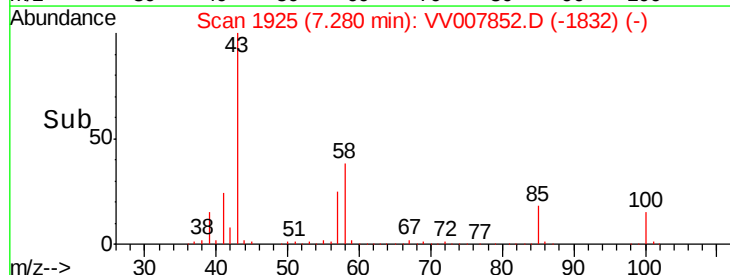
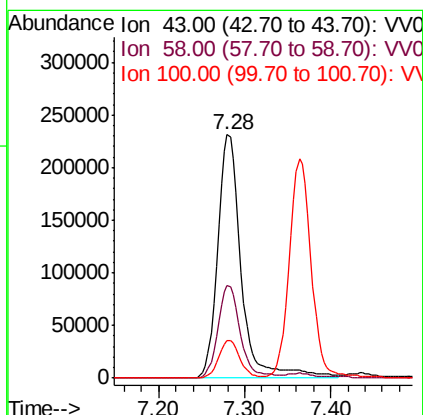
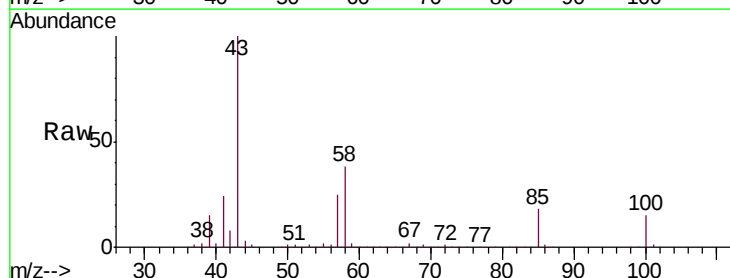
Tgt Ion: 75 Resp: 231857
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.8 42.4

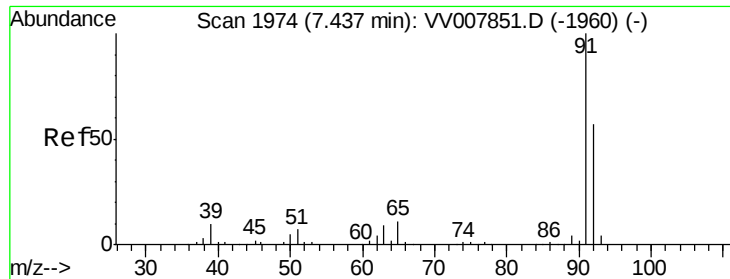


#40

4-Methyl-2-pentanone
 Concen: 210.179 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

Tgt Ion: 43 Resp: 441803
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.3 43.9
 100 14.1 11.0 16.4





#42

Toluene

Concen: 101.544 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

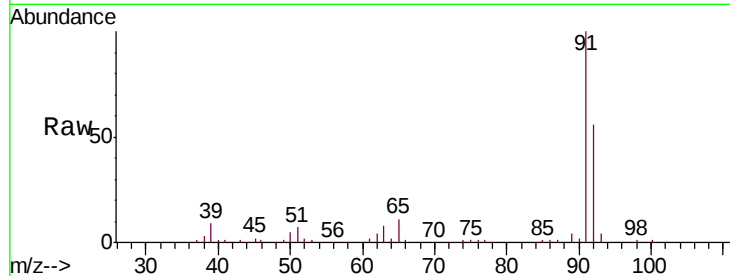
Instrument :
MSVOA_V
ClientSampleId :
VSTD10067

Tgt Ion: 91 Resp: 638129

Ion Ratio Lower Upper

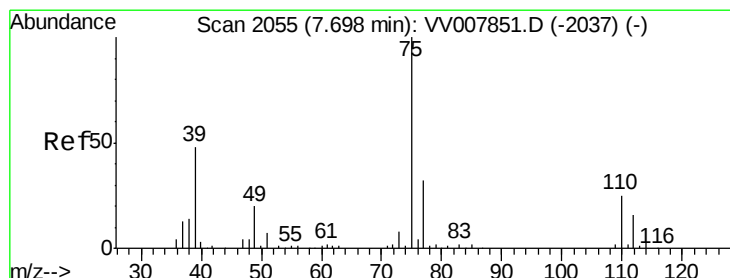
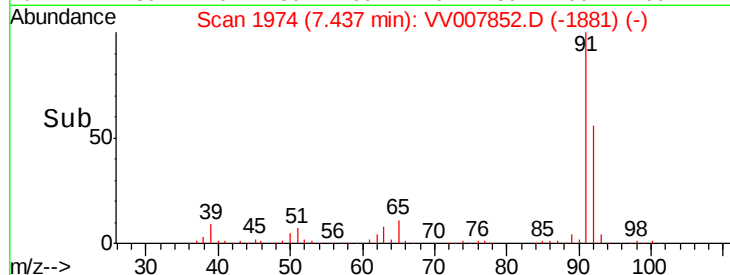
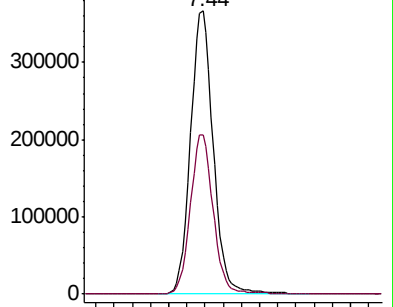
91 100

92 56.4 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV007852.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007852.D (-1960) (-)



#44

trans-1,3-Dichloropropene

Concen: 109.424 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007852.D

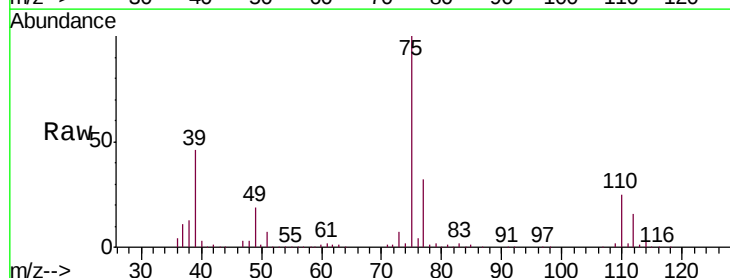
Acq: 25 Sep 2018 13:17

Tgt Ion: 75 Resp: 234859

Ion Ratio Lower Upper

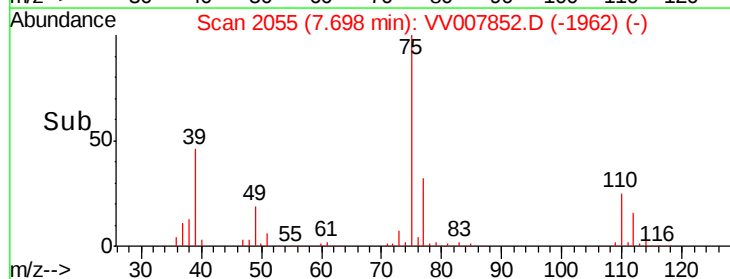
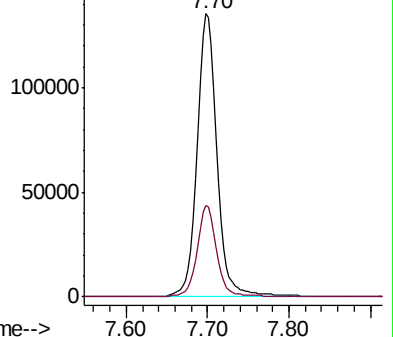
75 100

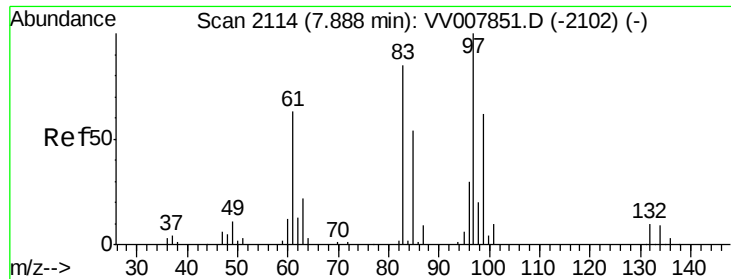
77 32.4 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV007852.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV007852.D (-2037) (-)

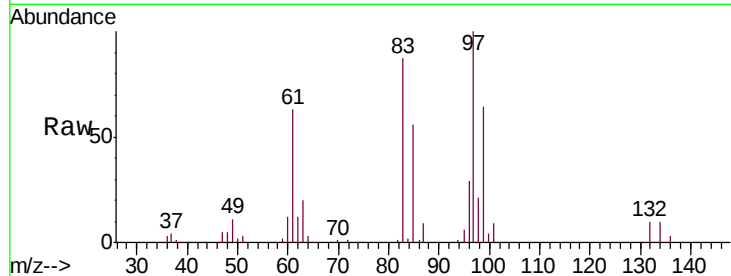




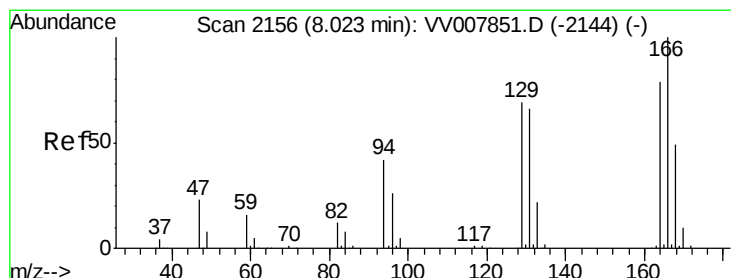
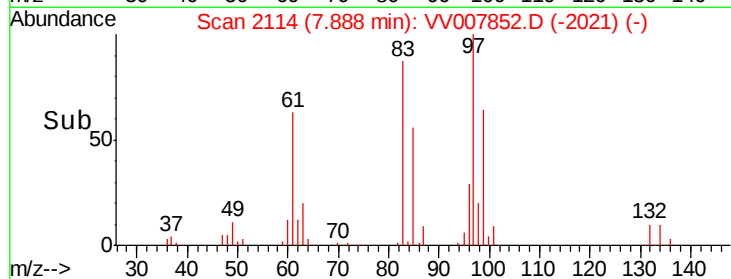
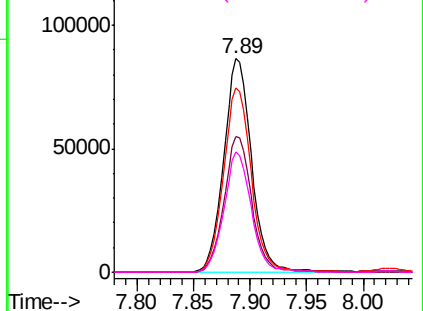
#45
 1,1,2-Trichloroethane
 Concen: 99.641 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10067

Tgt Ion:	97	Resp:	148112
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.7	81.1
83	86.6	59.6	110.8
85	56.2	37.7	70.1

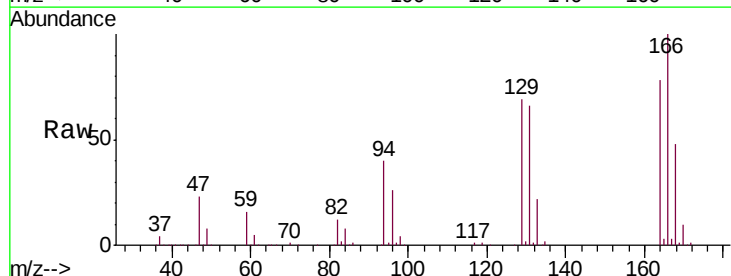


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

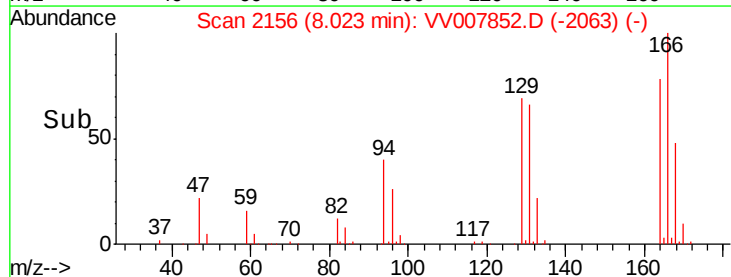
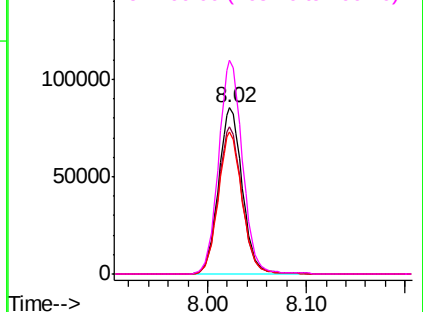


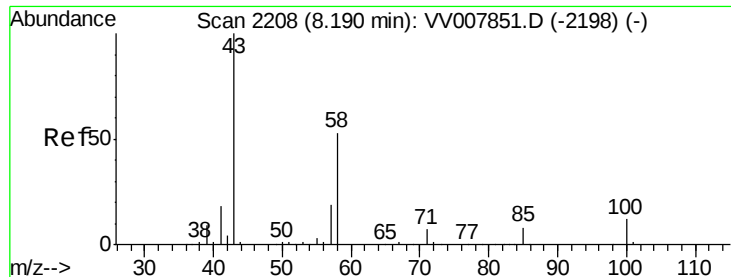
#46
 Tetrachloroethene
 Concen: 97.579 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

Tgt Ion:	164	Resp:	145073
Ion	Ratio	Lower	Upper
164	100		
129	88.4	60.9	113.1
131	85.4	58.8	109.2
166	128.5	88.8	164.8



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

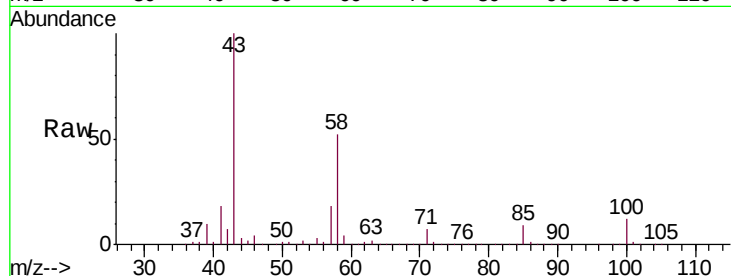




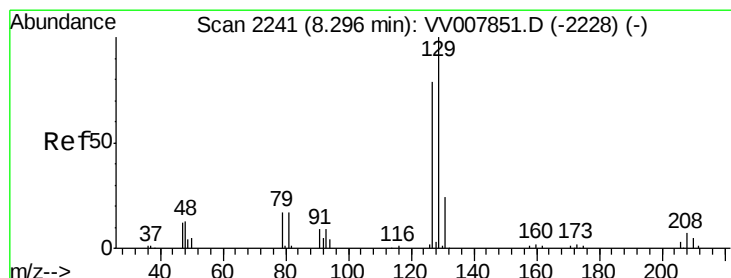
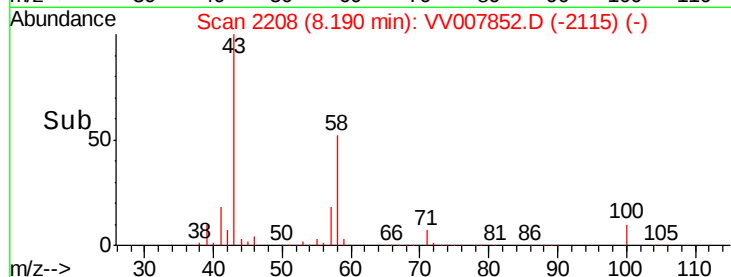
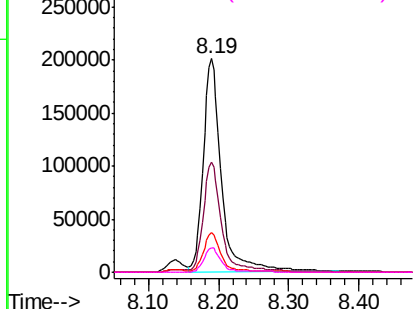
#48
2-Hexanone
Concen: 218.414 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD10067

Tgt Ion: 43 Resp: 362866
Ion Ratio Lower Upper
43 100
58 51.3 41.1 61.7
57 17.5 14.3 21.5
100 10.8 9.9 14.9

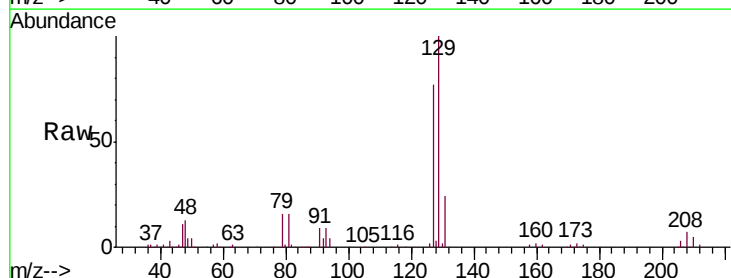


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

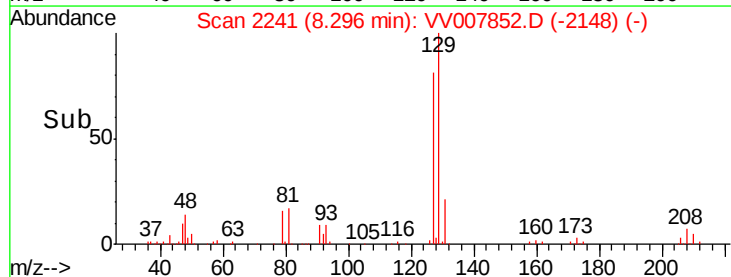
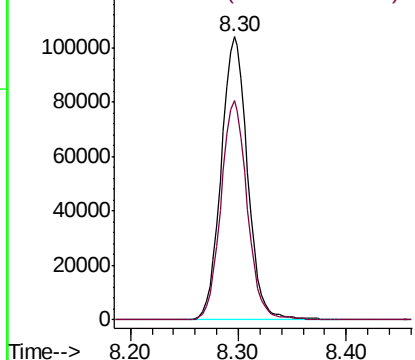


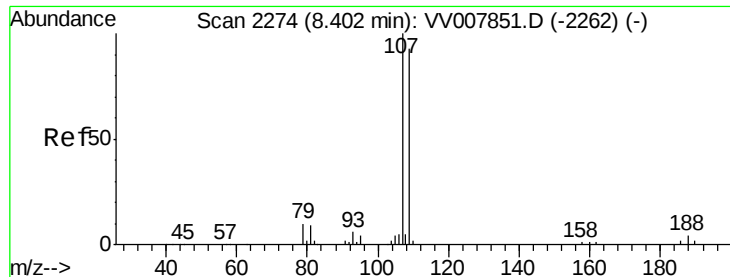
#49
Dibromochloromethane
Concen: 109.145 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 129 Resp: 177398
Ion Ratio Lower Upper
129 100
127 77.3 55.5 103.1



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

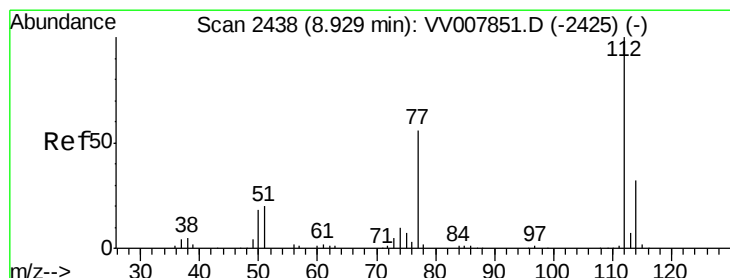
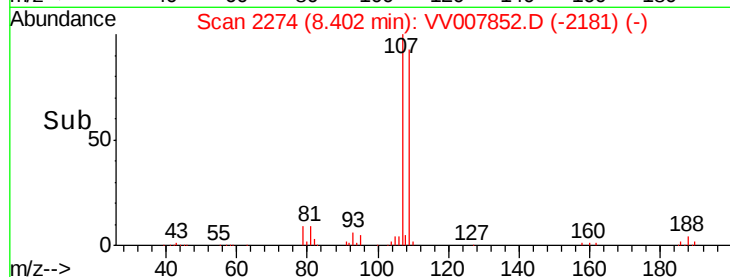
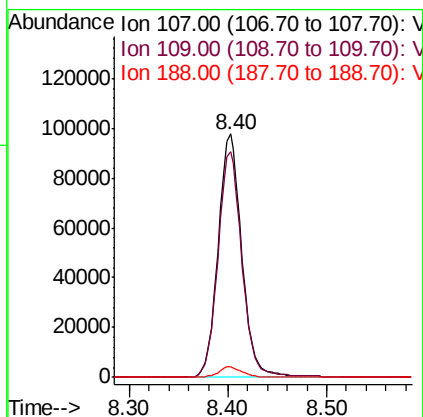
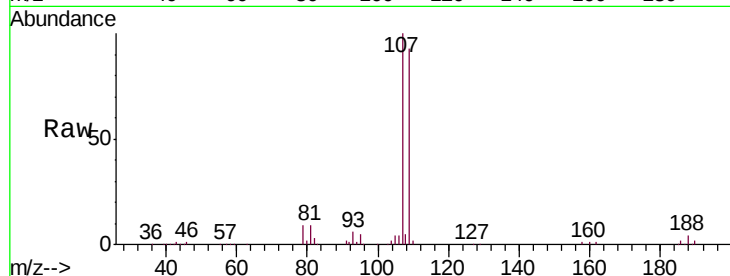




#50
1,2-Dibromoethane
Concen: 103.110 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

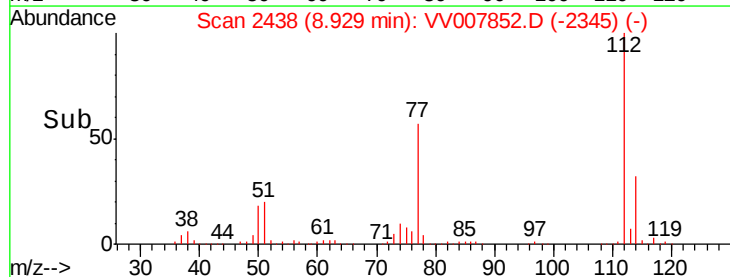
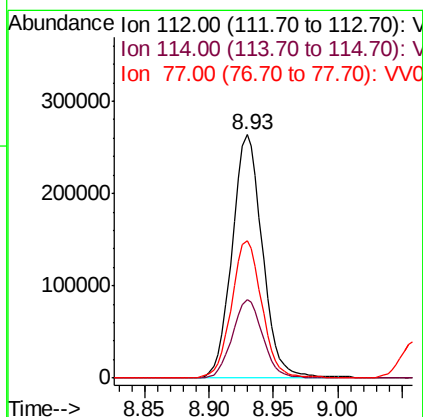
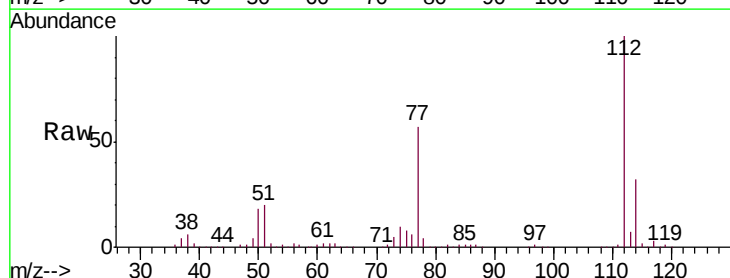
Instrument :
MSVOA_V
ClientSampleId :
VSTD10067

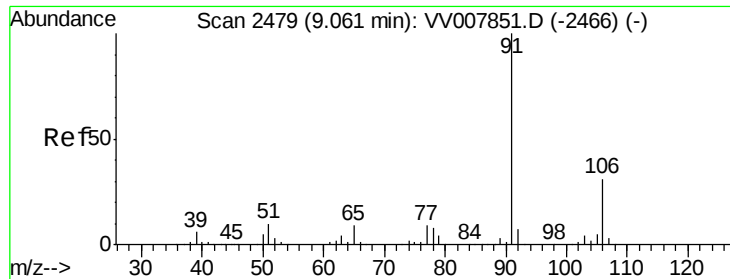
Tgt Ion:107 Resp: 164802
Ion Ratio Lower Upper
107 100
109 92.7 65.3 121.3
188 4.3 3.5 5.3



#51
Chlorobenzene
Concen: 99.178 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

Tgt Ion:112 Resp: 431397
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.5
77 56.5 45.2 67.8





#52

Ethylbenzene

Concen: 103.202 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

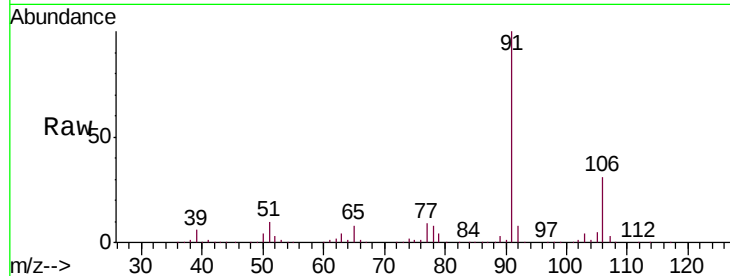
VSTD10067

Tgt Ion: 91 Resp: 732589

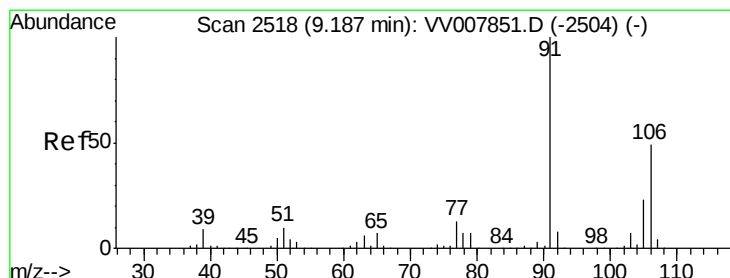
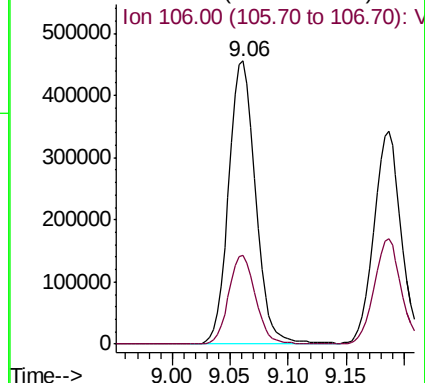
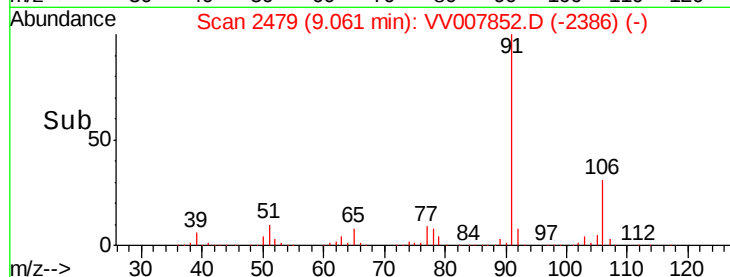
Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV007852.D (-2386) (-)



#53

m,p-Xylene

Concen: 103.013 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007852.D

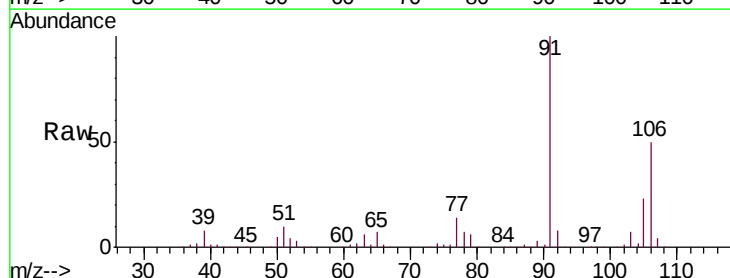
Acq: 25 Sep 2018 13:17

Tgt Ion: 106 Resp: 278601

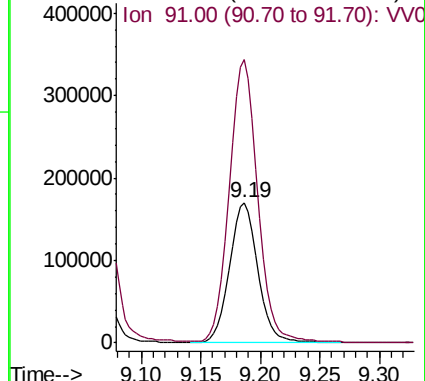
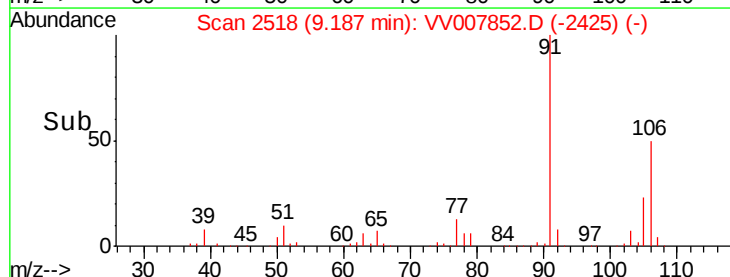
Ion Ratio Lower Upper

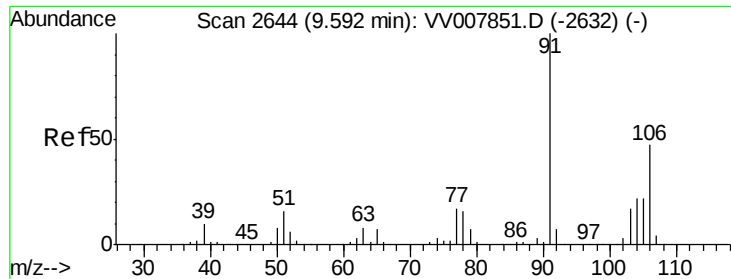
106 100

91 201.4 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV007852.D (-2425) (-)

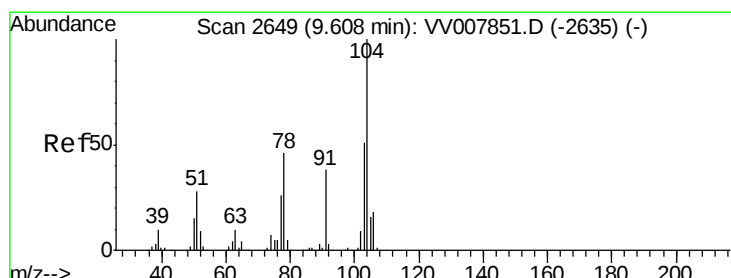
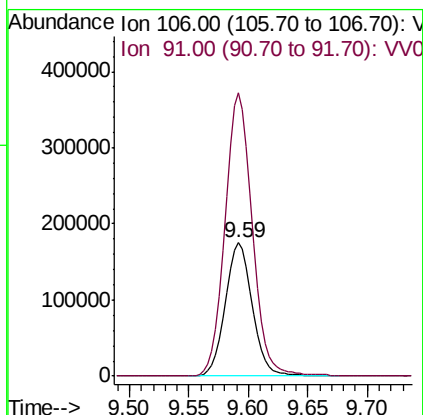
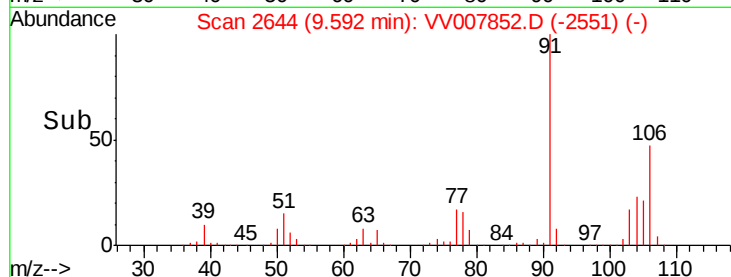
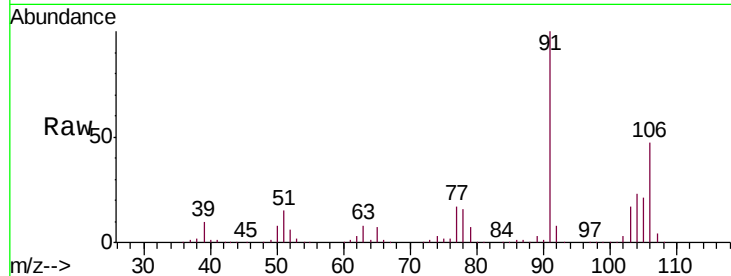




#54
o-xylene
Concen: 105.331 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

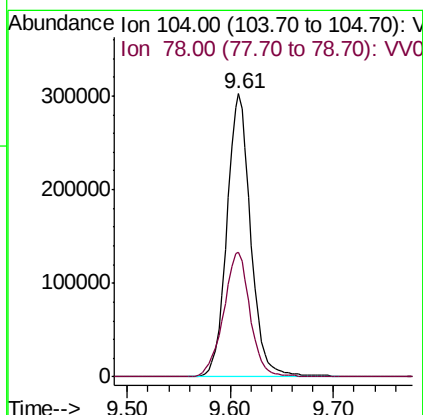
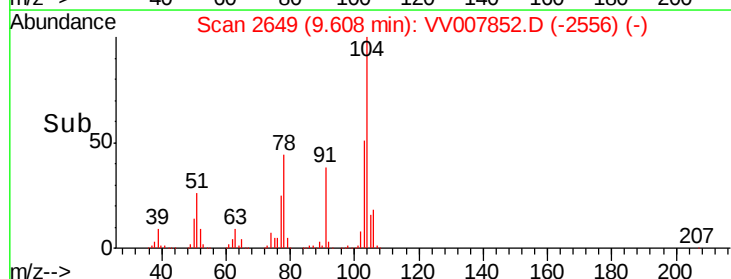
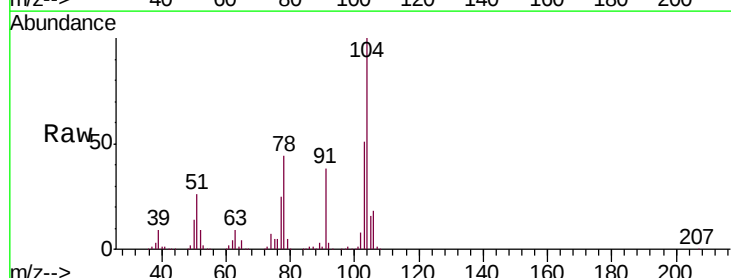
Instrument :
MSVOA_V
ClientSampleId :
VSTD10067

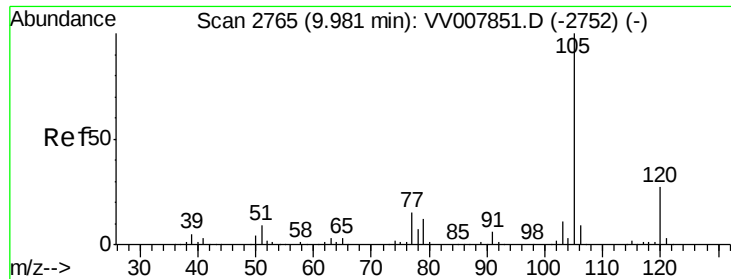
Tgt Ion:106 Resp: 276722
Ion Ratio Lower Upper
106 100
91 212.8 150.6 279.6



#55
Styrene
Concen: 108.418 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007852.D
Acq: 25 Sep 2018 13:17

Tgt Ion:104 Resp: 487867
Ion Ratio Lower Upper
104 100
78 44.2 32.3 60.1





#56

Isopropylbenzene

Concen: 104.857 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10067

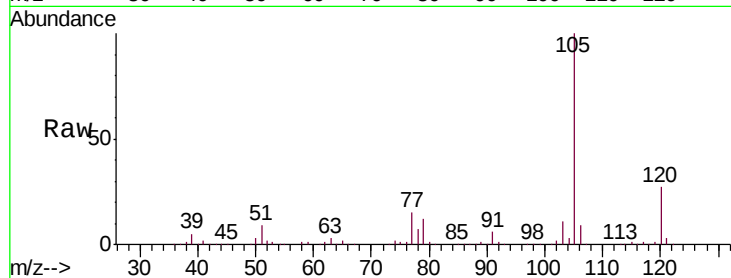
Tgt Ion:105 Resp: 750850

Ion Ratio Lower Upper

105 100

120 27.0 21.0 31.6

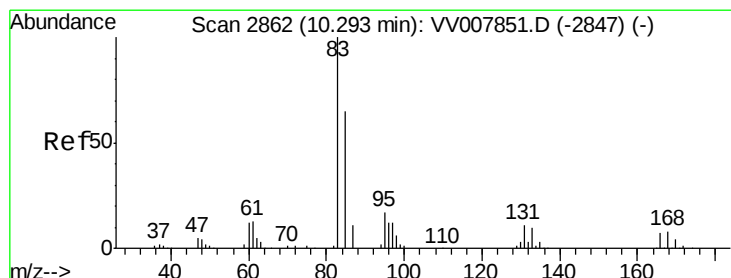
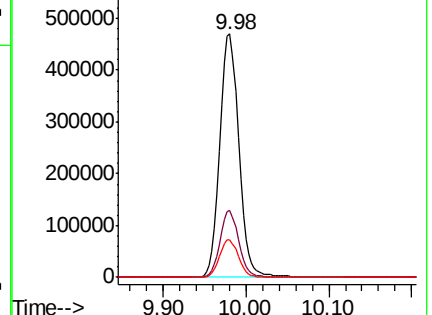
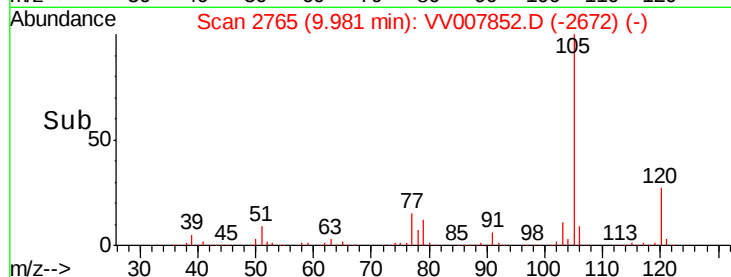
77 15.5 12.5 18.7



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: 103.046 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

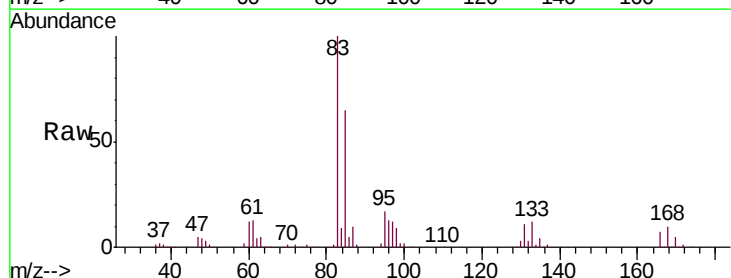
Tgt Ion: 83 Resp: 250323

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.0

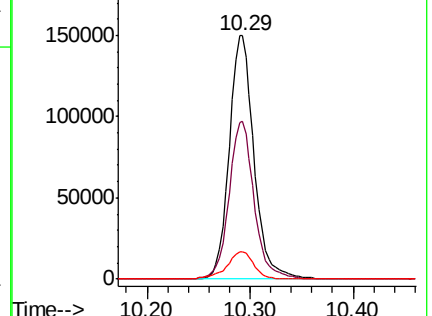
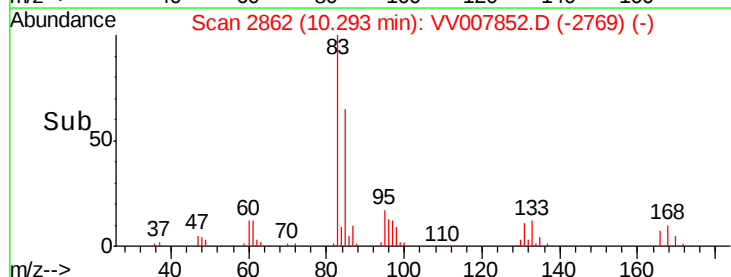
131 11.3 9.0 13.4

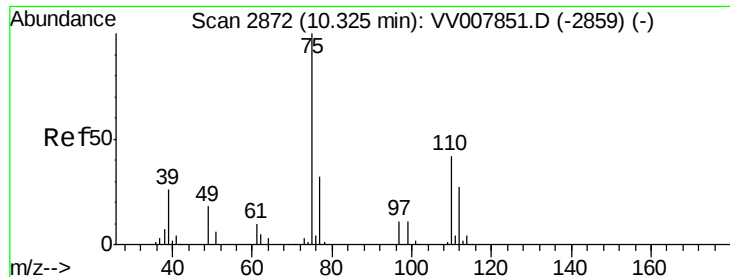


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 100.702 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

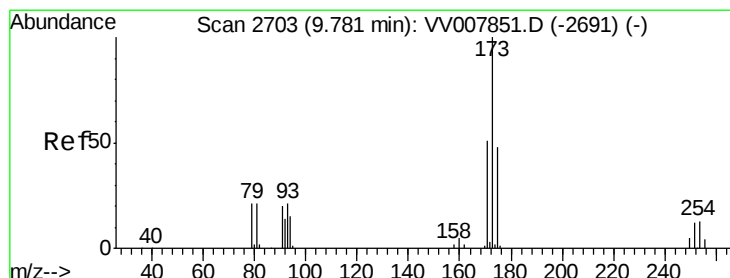
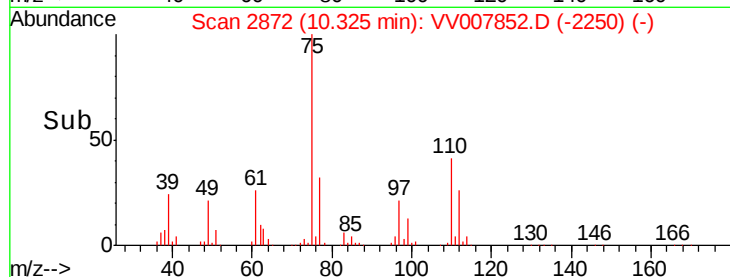
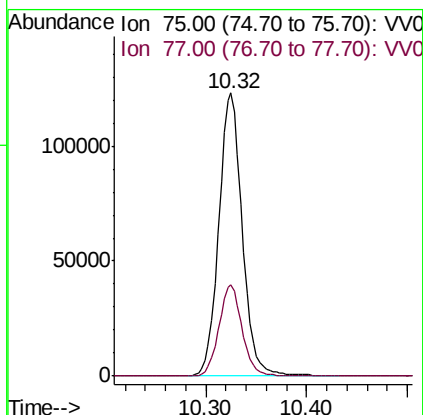
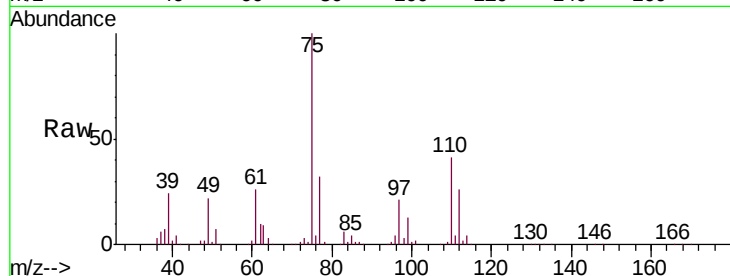
VSTD10067

Tgt Ion: 75 Resp: 199407

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



#61

Bromoform

Concen: 110.713 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

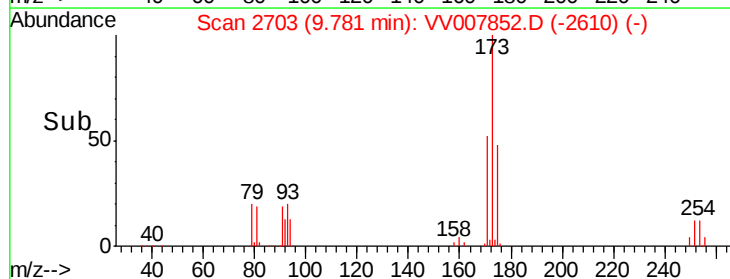
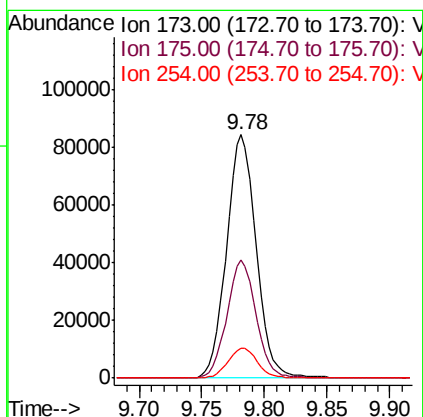
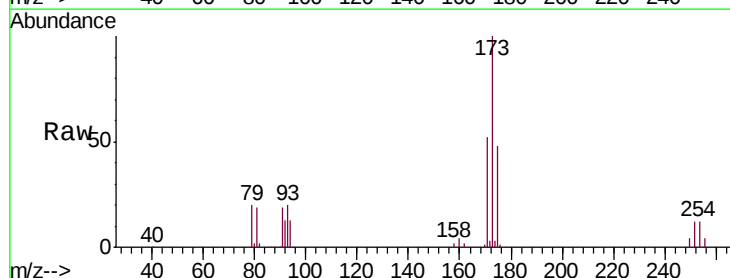
Tgt Ion: 173 Resp: 138678

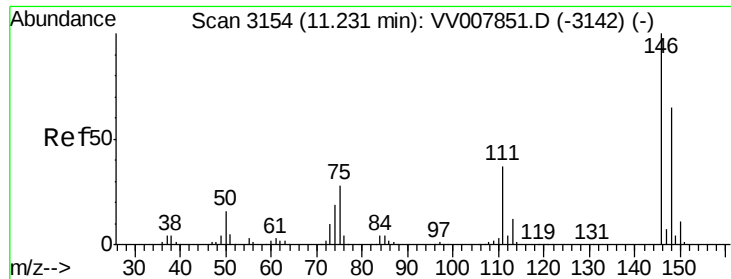
Ion Ratio Lower Upper

173 100

175 47.6 38.5 57.7

254 12.2 9.9 14.9





#62

1,3-Dichlorobenzene

Concen: 100.833 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10067

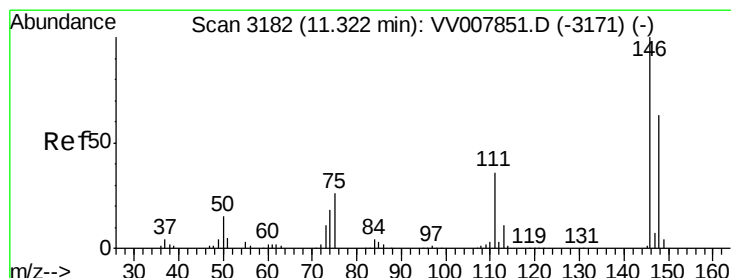
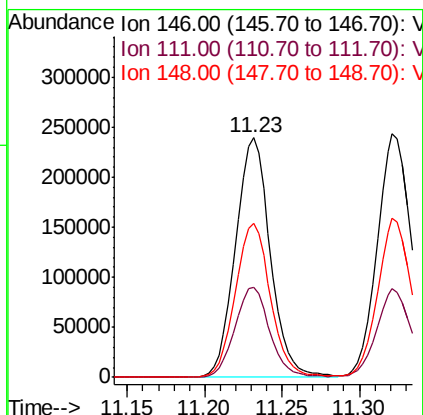
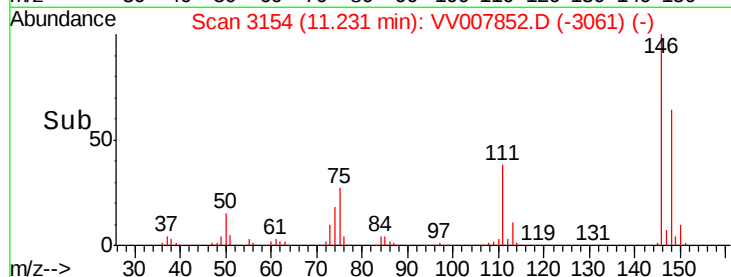
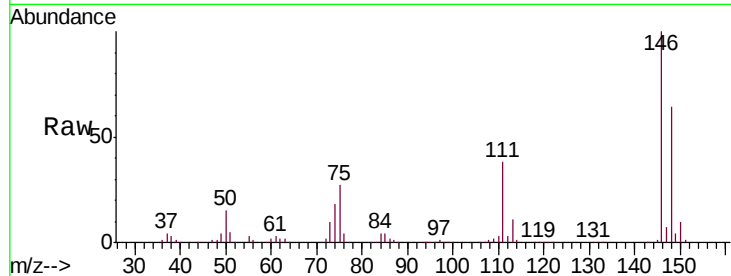
Tgt Ion:146 Resp: 374744

Ion Ratio Lower Upper

146 100

111 37.7 25.6 47.4

148 64.2 45.4 84.2



#63

1,4-Dichlorobenzene

Concen: 97.589 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

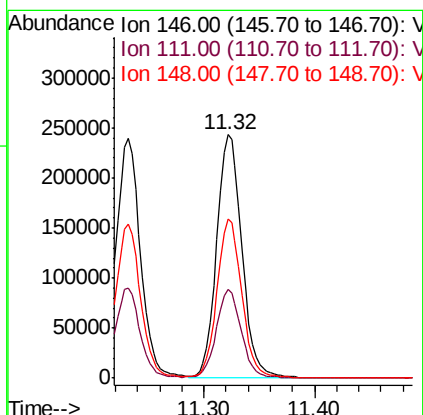
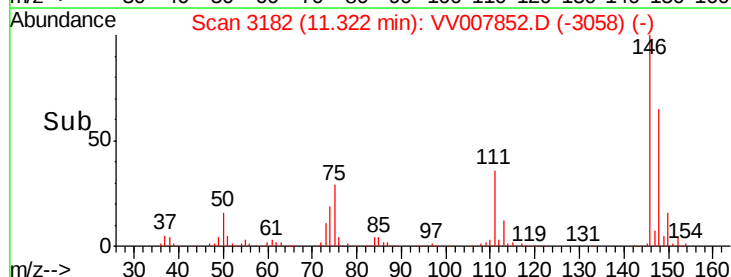
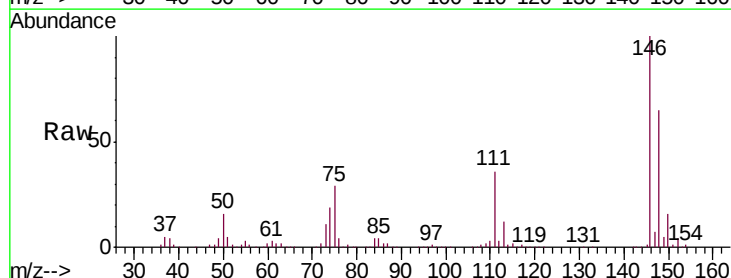
Tgt Ion:146 Resp: 385416

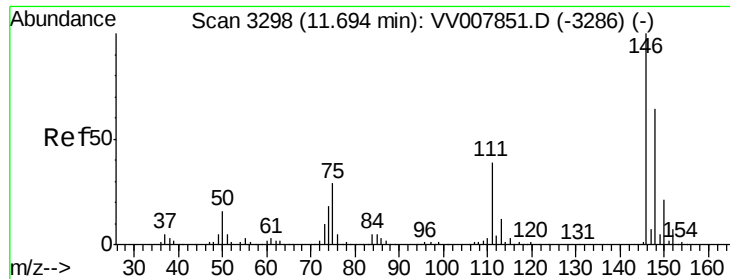
Ion Ratio Lower Upper

146 100

111 36.2 25.2 46.8

148 65.2 44.2 82.0

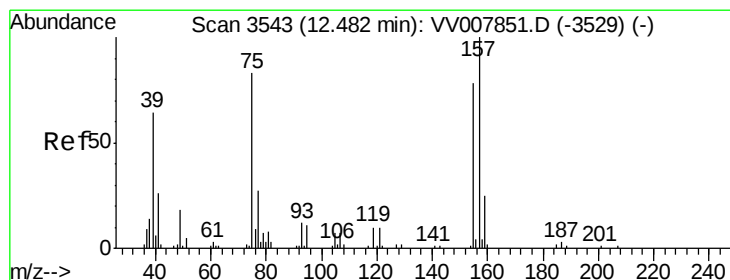
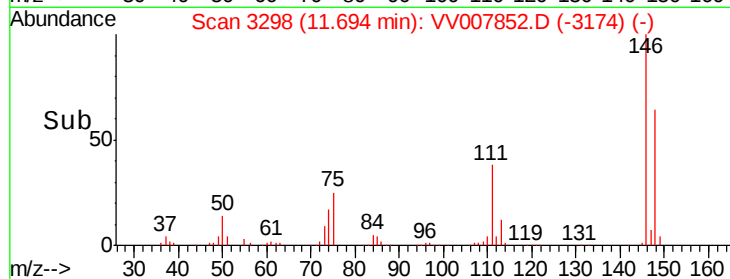
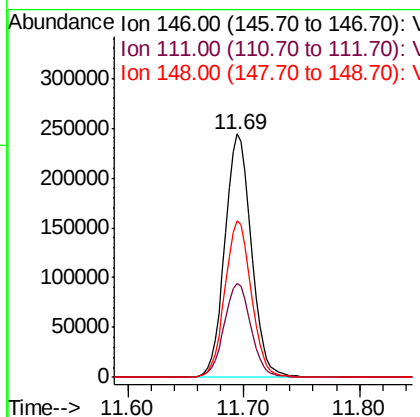
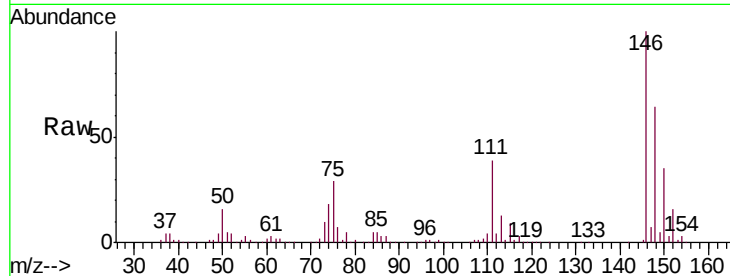




#65
 1,2-Dichlorobenzene
 Concen: 99.512 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

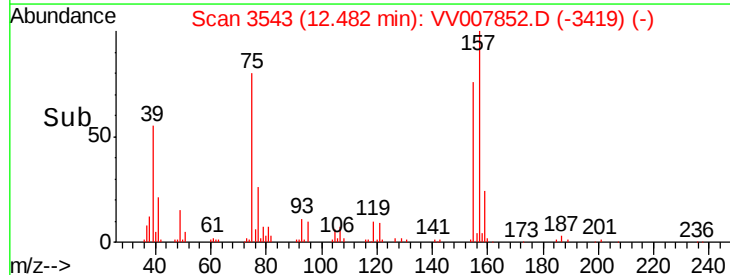
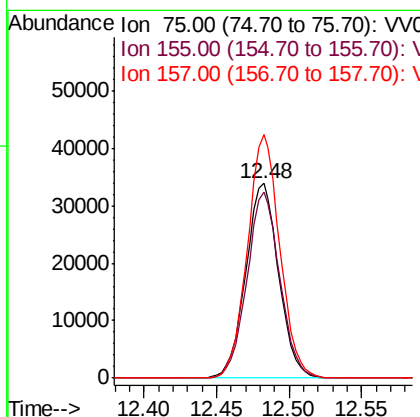
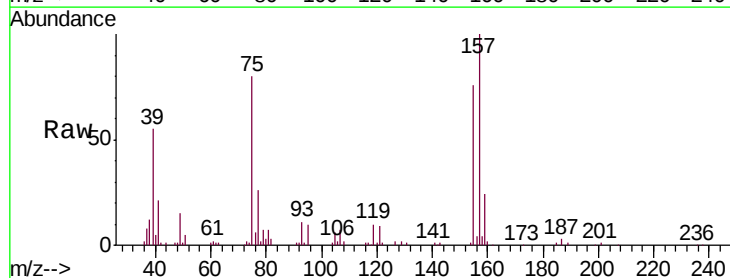
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10067

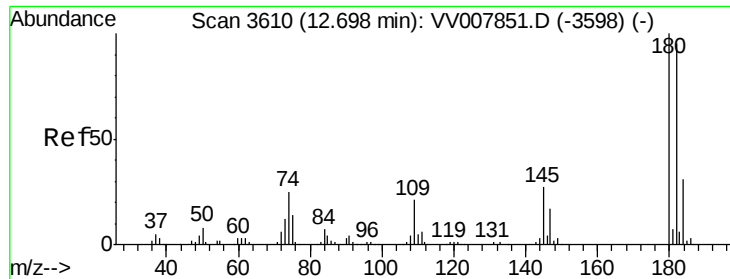
Tgt Ion: 146 Resp: 383785
 Ion Ratio Lower Upper
 146 100
 111 38.8 31.2 46.8
 148 64.4 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 105.726 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

Tgt Ion: 75 Resp: 53350
 Ion Ratio Lower Upper
 75 100
 155 95.5 75.6 113.4
 157 125.2 96.5 144.7

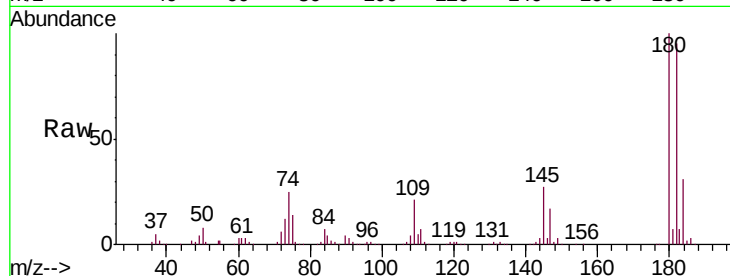




#67
 1,3,5-Trichlorobenzene
 Concen: 99.897 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10067

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
184	30.7	24.6	36.8
145	27.5	21.7	32.5



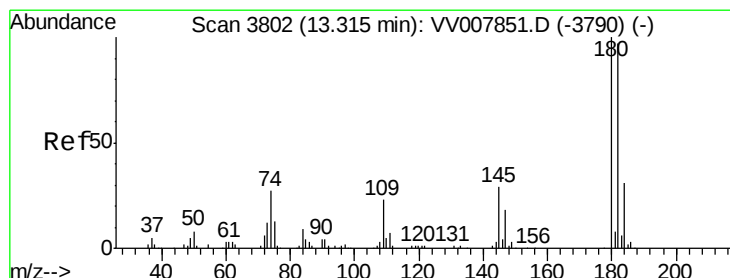
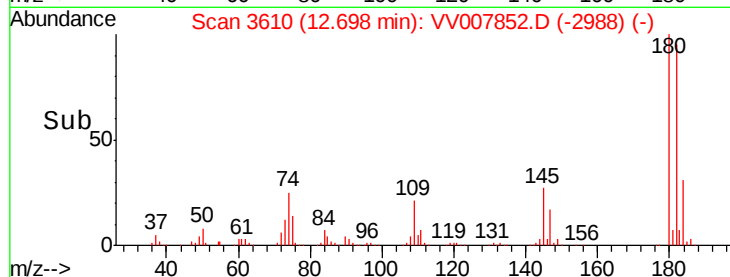
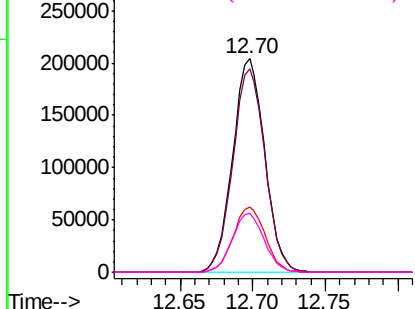
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

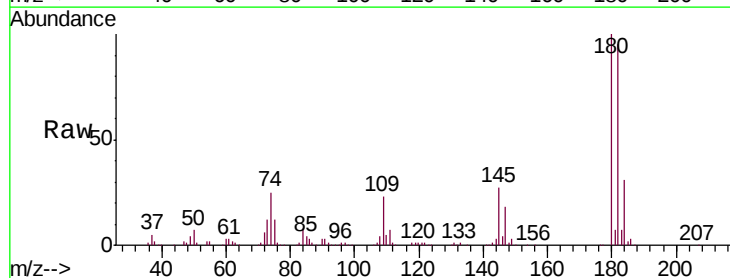
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 105.452 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007852.D
 Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	115.0
145	27.7	22.7	34.1

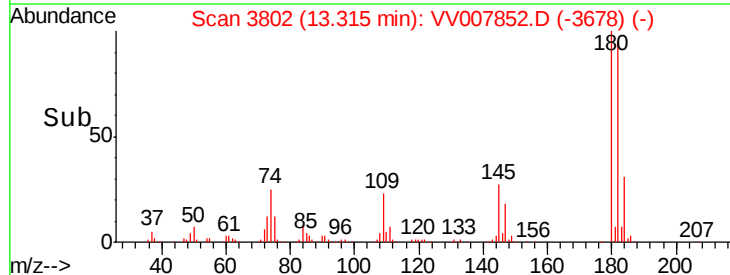
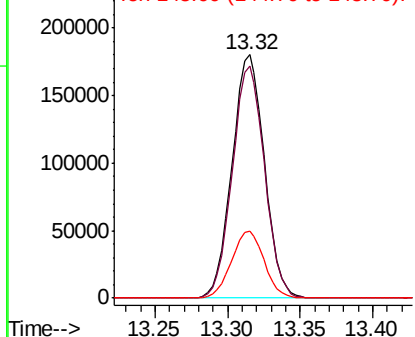


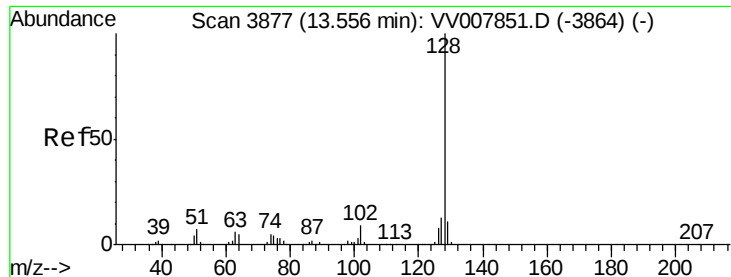
Abundance

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: 114.702 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10067

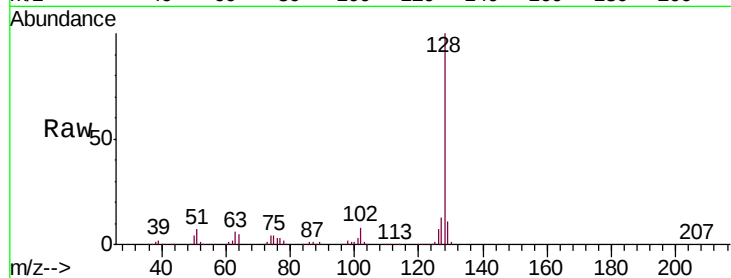
Tgt Ion:128 Resp: 741749

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

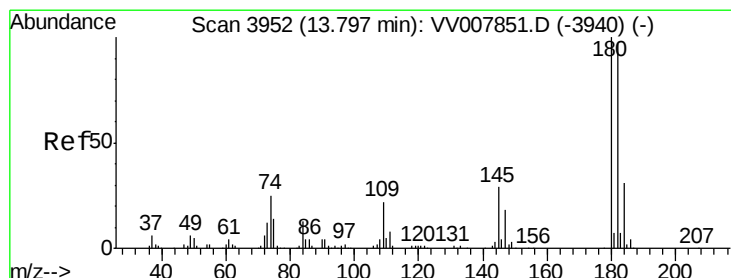
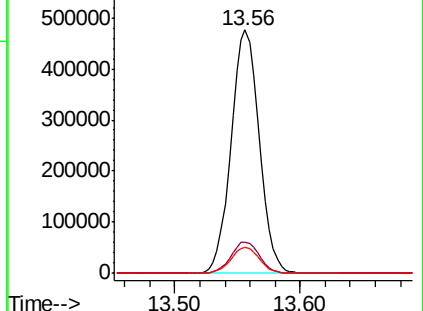
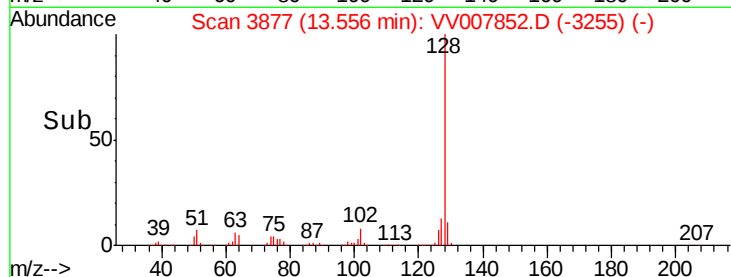
129 10.8 8.6 13.0



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: 105.638 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV007852.D

Acq: 25 Sep 2018 13:17

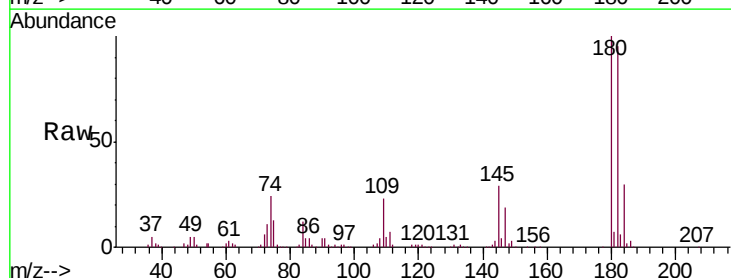
Tgt Ion:180 Resp: 282756

Ion Ratio Lower Upper

180 100

182 94.9 76.7 115.1

145 29.2 23.6 35.4



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

