

Data File : VV008571.D
Acq On : 15 Nov 2018 14:07
Operator : SY/MD
Sample : VSTD20072
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20072

Quant Time: Nov 16 04:00:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	312072	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	279456	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	127296	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	328894	262.47	ug/L	0.00
7) Chloroethane-d5	1.57	69	241570	246.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	663423	254.19	ug/L	0.00
21) 2-Butanone-d5	3.92	46	695176	410.20	ug/L	-0.01
24) Chloroform-d	4.40	84	884501	249.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	568081	248.46	ug/L	0.00
32) Benzene-d6	5.10	84	1772770	276.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	569389	261.82	ug/L	0.00
41) Toluene-d8	7.36	98	1609059	279.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	296012	293.26	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	467152	392.40	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	704620	219.85	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	533516	231.54	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	435483	179.224	ug/L	97
3) Chloromethane	1.24	50	296500	122.309	ug/L	100
5) Vinyl chloride	1.32	62	349873	157.326	ug/L	99
6) Bromomethane	1.51	94	164121	242.898	ug/L	100
8) Chloroethane	1.59	64	199704	166.806	ug/L	99
9) Trichlorofluoromethane	1.76	101	539583	184.131	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	309321	191.614	ug/L	99
12) 1,1-Dichloroethene	2.14	96	278056	185.257	ug/L	92
13) Acetone	2.19	43	392392	254.046	ug/L	97
14) Carbon disulfide	2.31	76	1211476	196.143	ug/L	99
15) Methyl Acetate	2.45	43	514911	182.529	ug/L	99
16) Methylene chloride	2.53	84	450913	191.775	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	409572	191.164	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	1449933	196.868	ug/L	100
19) 1,1-Dichloroethane	3.23	63	797832	188.339	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	474096	193.051	ug/L	100
22) 2-Butanone	4.01	43	704843	331.940	ug/L	97
23) Bromochloromethane	4.29	128	230315	199.435	ug/L	99
25) Chloroform	4.42	83	818866	190.790	ug/L	97
27) 1,2-Dichloroethane	5.18	62	656274	192.874	ug/L	99
29) Cyclohexane	4.72	56	773542	200.035	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	712001	198.039	ug/L	100
31) Carbon tetrachloride	4.87	117	623671	205.826	ug/L	100
33) Benzene	5.14	78	1753667	200.622	ug/L	100
34) Trichloroethene	5.96	95	459862	203.583	ug/L	98
35) Methylcyclohexane	6.17	83	796925	212.819	ug/L	97
37) 1,2-Dichloropropane	6.22	63	481359	201.574	ug/L	100
38) Bromodichloromethane	6.55	83	626823	209.234	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	779165	218.277	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1245669	361.120	ug/L	100

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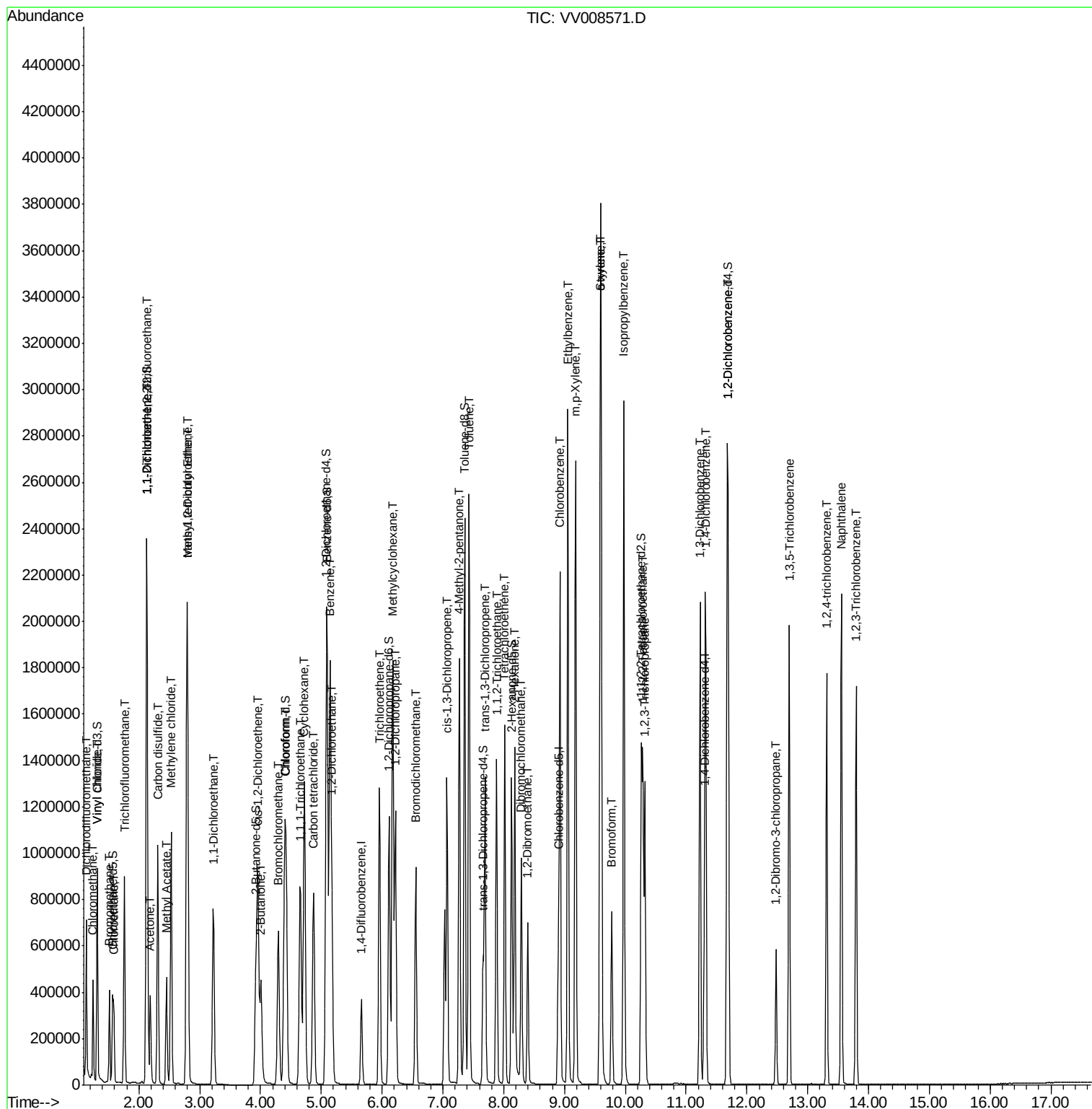
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1815014	197.749	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	721655	219.664	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	430970	200.861	ug/L	99
46) Tetrachloroethene	8.02	164	333290	206.244	ug/L	96
48) 2-Hexanone	8.18	43	959591	365.773	ug/L	96
49) Dibromochloromethane	8.29	129	493934	221.838	ug/L	98
50) 1,2-Dibromoethane	8.40	107	455887	203.240	ug/L	99
51) Chlorobenzene	8.93	112	1144735	198.119	ug/L	100
52) Ethylbenzene	9.05	91	2010809	197.569	ug/L	100
53) m,p-Xylene	9.18	106	759107	203.847	ug/L	99
54) o-xylene	9.59	106	730582	195.624	ug/L	98
55) Styrene	9.60	104	1229419	201.858	ug/L	100
56) Isopropylbenzene	9.98	105	1914759	196.211	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	669235	189.449	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	540523	181.628	ug/L	99
61) Bromoform	9.78	173	338498	220.511	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	821311	194.415	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	813648	194.106	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	801284	186.864	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	148879	189.620	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	566863	203.777	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	496097	229.211	ug/L	99
69) Naphthalene	13.55	128	1563877	239.250	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	489812	223.450	ug/L	100

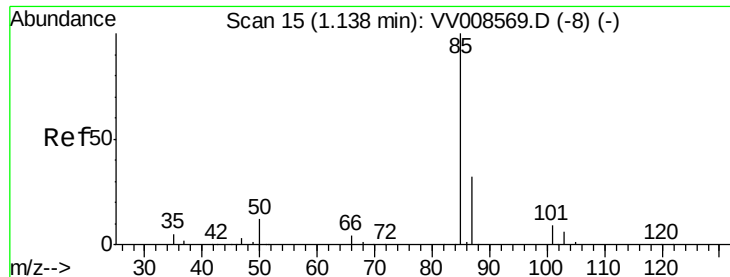
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 179.224 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

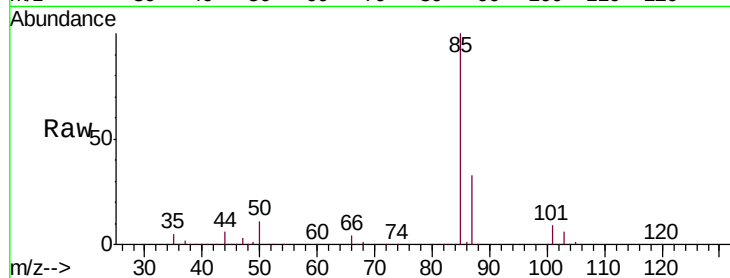
VSTD20072

Tgt Ion: 85 Resp: 435483

Ion Ratio Lower Upper

85 100

87 30.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV008569.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008569.D (-8) (-)

1.14

400000

300000

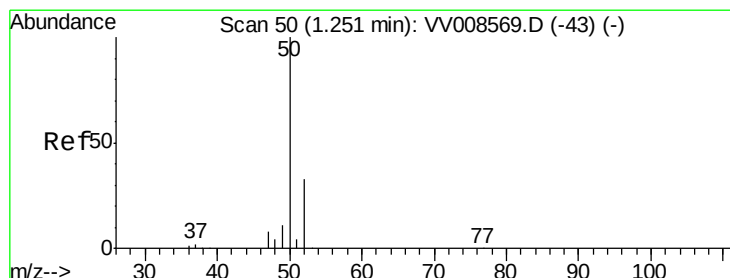
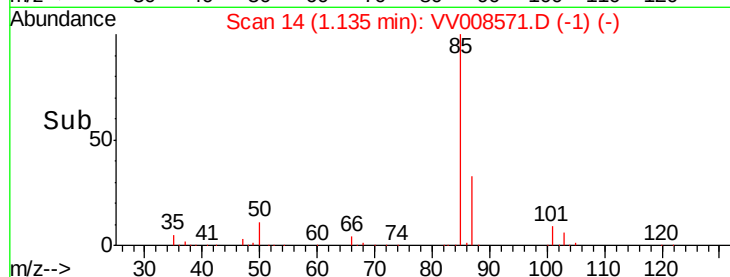
200000

100000

0

1.10 1.20 1.30

Time-->



#3

Chloromethane

Concen: 122.309 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.01 min

Lab File: VV008571.D

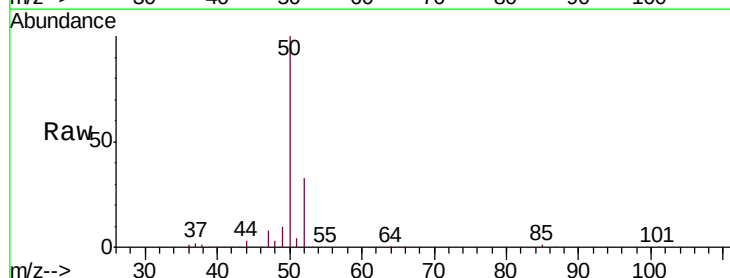
Acq: 15 Nov 2018 14:07

Tgt Ion: 50 Resp: 296500

Ion Ratio Lower Upper

50 100

52 32.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008569.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008569.D (-43) (-)

1.24

300000

250000

200000

150000

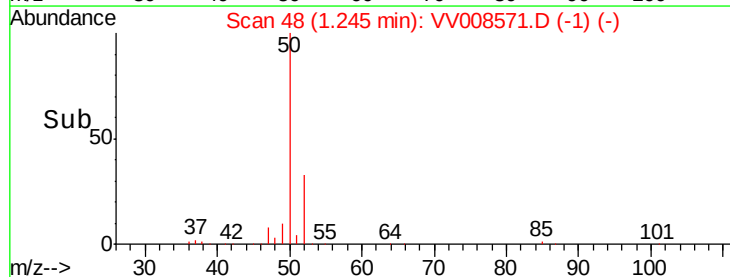
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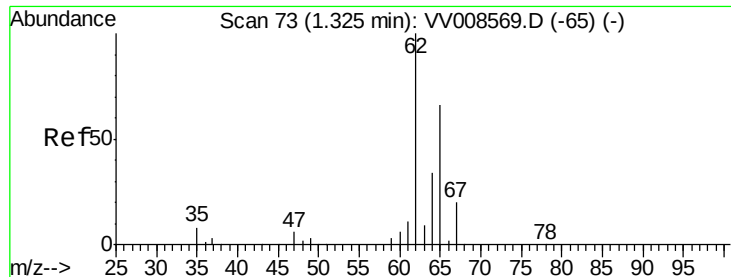
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 157.326 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

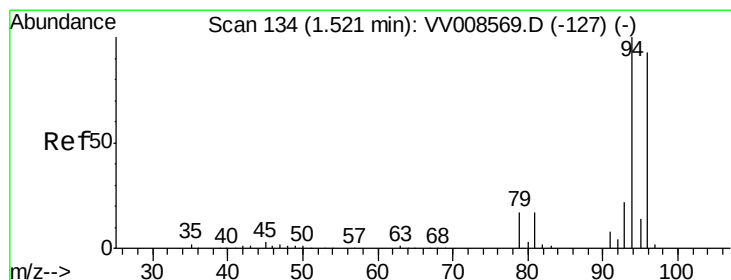
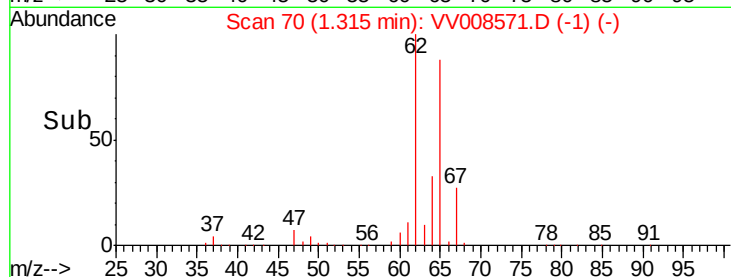
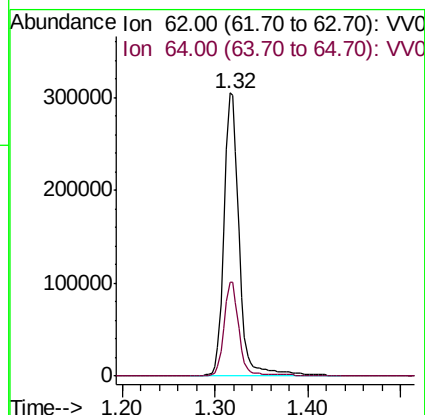
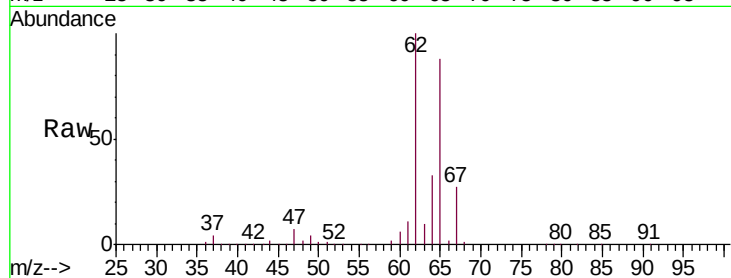
VSTD20072

Tgt Ion: 62 Resp: 349873

Ion Ratio Lower Upper

62 100

64 33.2 23.7 43.9



#6

Bromomethane

Concen: 242.898 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.01 min

Lab File: VV008571.D

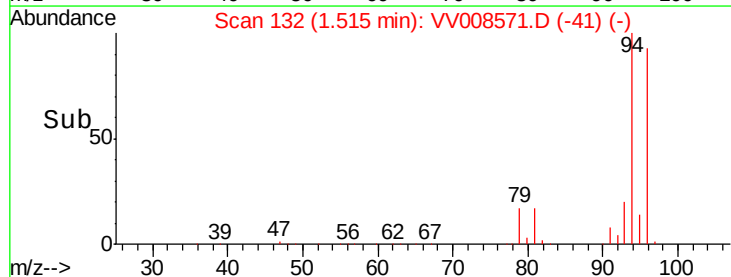
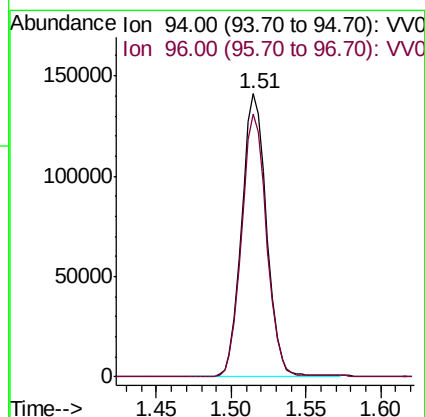
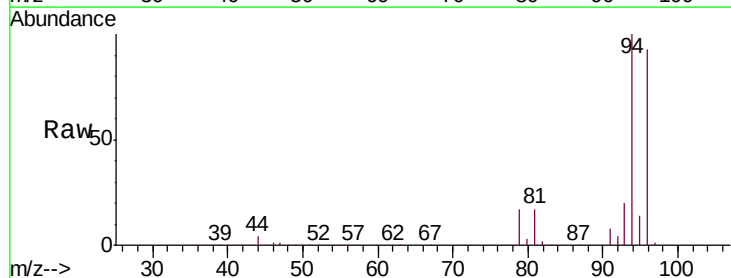
Acq: 15 Nov 2018 14:07

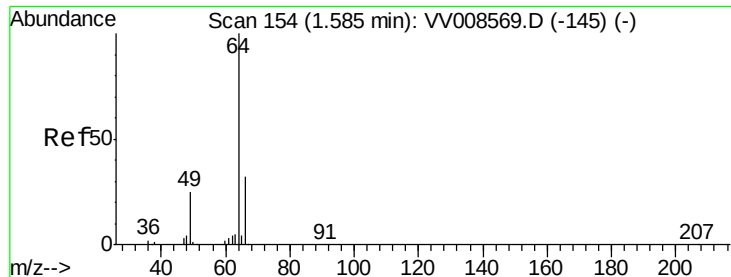
Tgt Ion: 94 Resp: 164121

Ion Ratio Lower Upper

94 100

96 93.1 65.0 120.8





#8

Chloroethane

Concen: 166.806 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

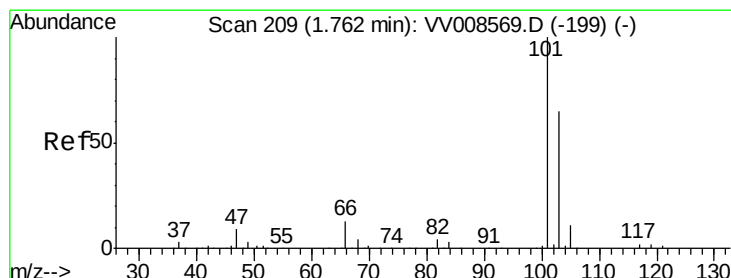
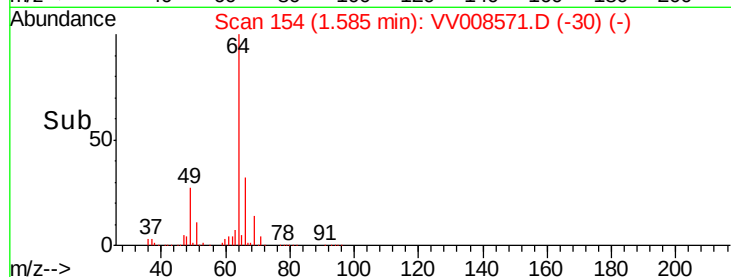
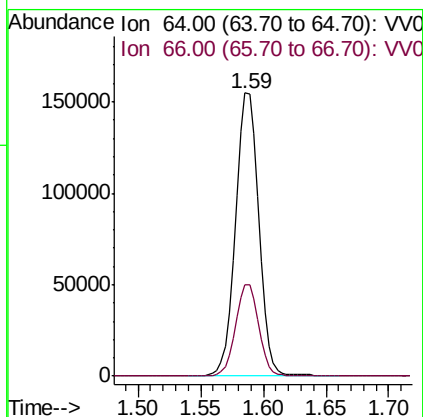
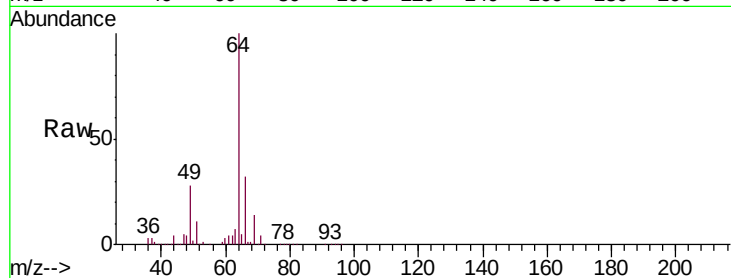
VSTD20072

Tgt Ion: 64 Resp: 199704

Ion Ratio Lower Upper

64 100

66 32.2 22.0 41.0



#9

Trichlorofluoromethane

Concen: 184.131 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV008571.D

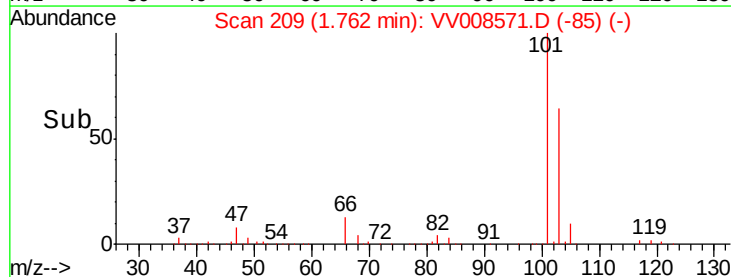
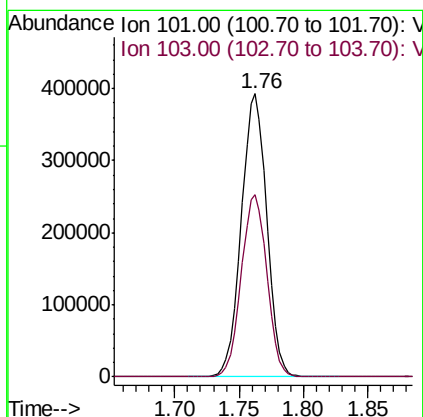
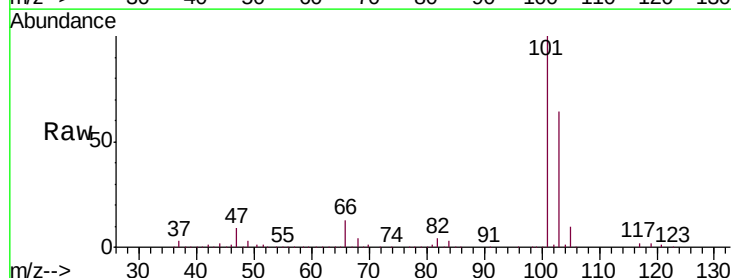
Acq: 15 Nov 2018 14:07

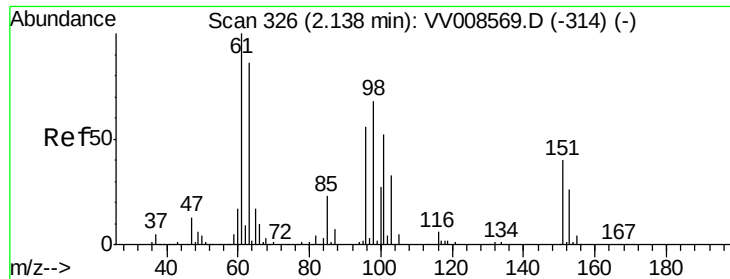
Tgt Ion: 101 Resp: 539583

Ion Ratio Lower Upper

101 100

103 64.9 52.5 78.7





#10

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

Concen: 191.614 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20072

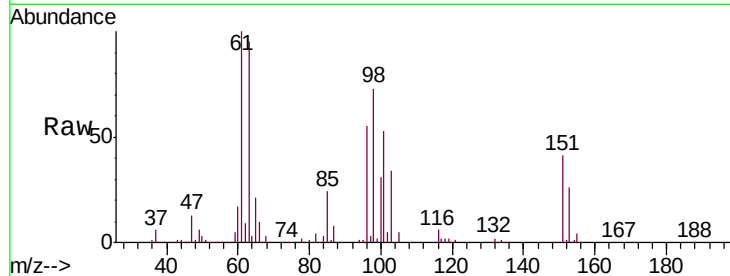
Tgt Ion:101 Resp: 309321

Ion Ratio Lower Upper

101 100

85 43.6 35.7 53.5

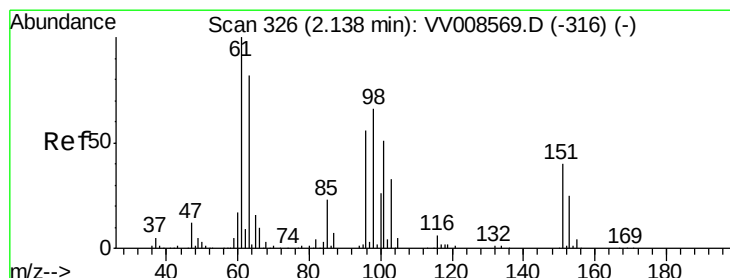
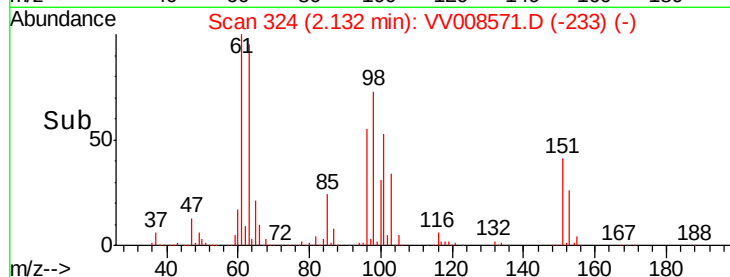
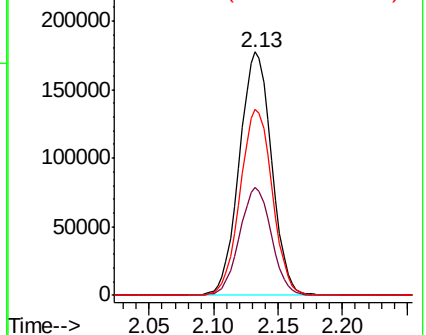
151 76.5 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV008571.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV008571.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV008571.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 185.257 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

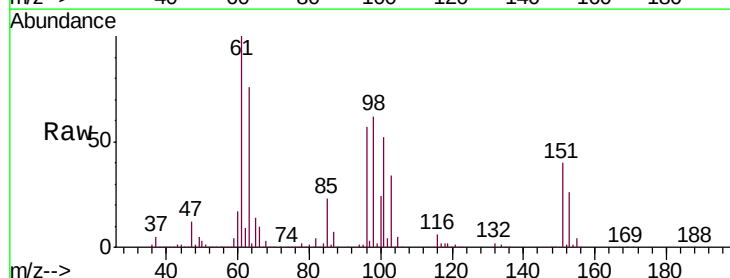
Tgt Ion: 96 Resp: 278056

Ion Ratio Lower Upper

96 100

61 176.8 125.6 233.2

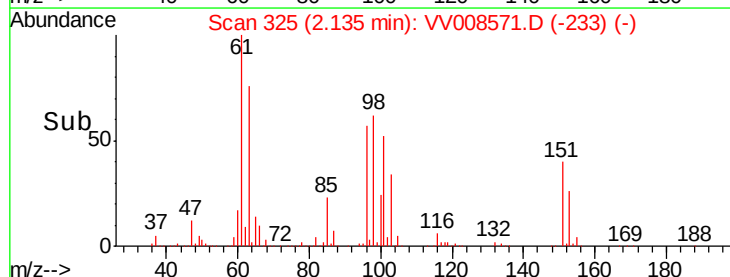
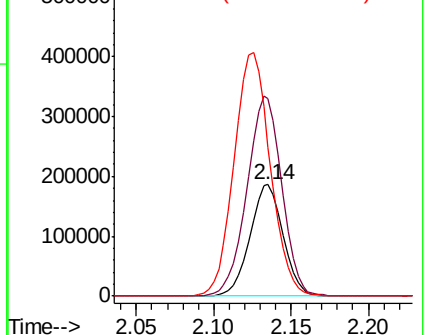
63 133.9 108.3 201.1

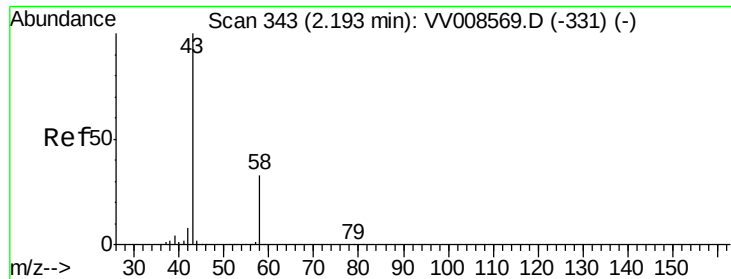


Abundance Ion 96.00 (95.70 to 96.70): VV008571.D (-235) (-)

Ion 61.00 (60.70 to 61.70): VV008571.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV008571.D (-235) (-)





#13

Acetone

Concen: 254.046 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

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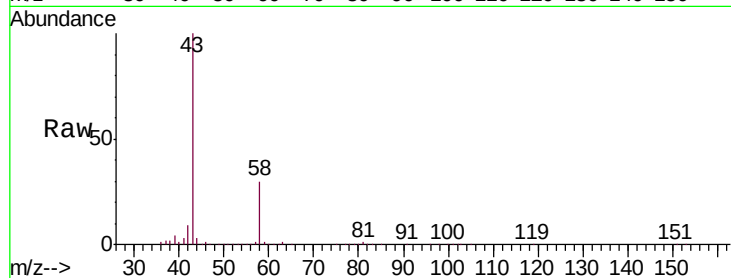
VSTD20072

Tgt Ion: 43 Resp: 392392

Ion Ratio Lower Upper

43 100

58 30.3 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VV008569.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008569.D (-331) (-)

2.19

250000

200000

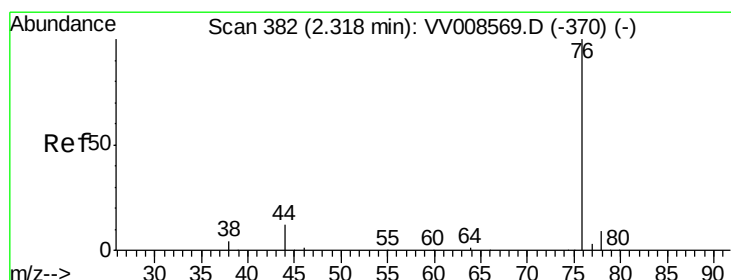
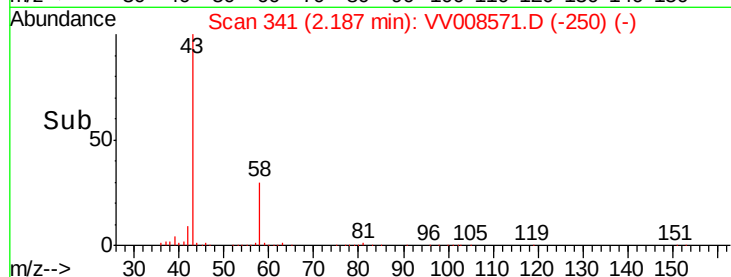
150000

100000

50000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 196.143 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VV008571.D

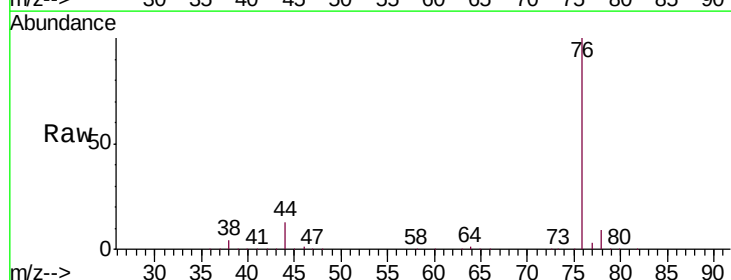
Acq: 15 Nov 2018 14:07

Tgt Ion: 76 Resp: 1211476

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV008569.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008569.D (-370) (-)

2.31

800000

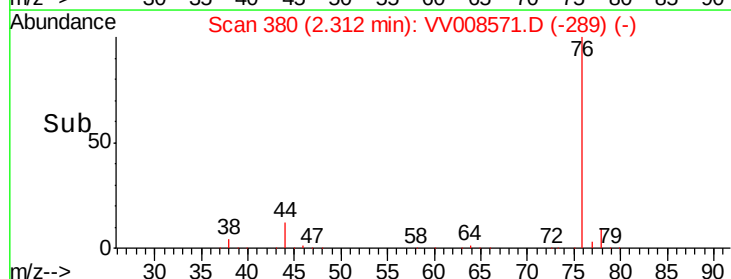
600000

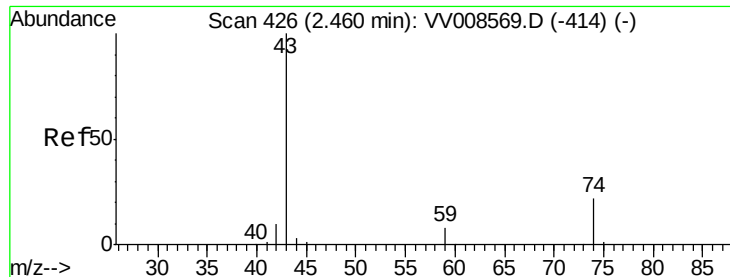
400000

200000

0

Time--> 2.20 2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 182.529 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

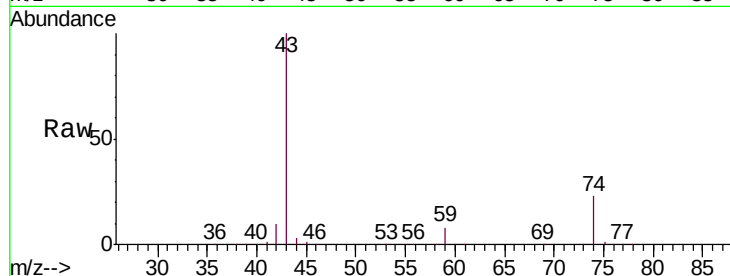
VSTD20072

Tgt Ion: 43 Resp: 514911

Ion Ratio Lower Upper

43 100

74 22.5 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV008569.D (-414) (-)

Ion 74.00 (73.70 to 74.70): VV008569.D (-414) (-)

2.45

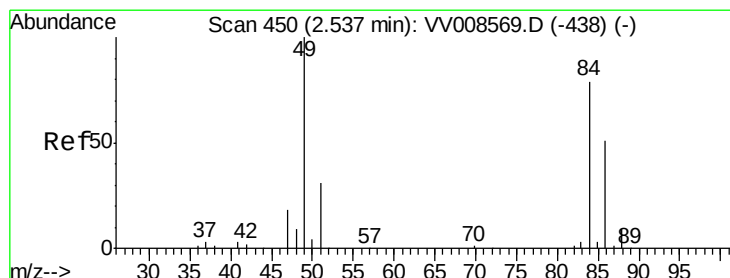
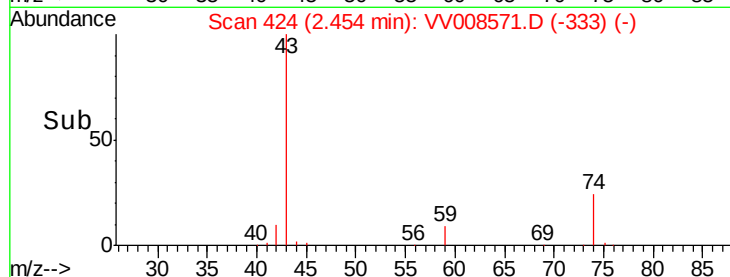
300000

200000

100000

0

Time-->



#16

Methylene chloride

Concen: 191.775 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

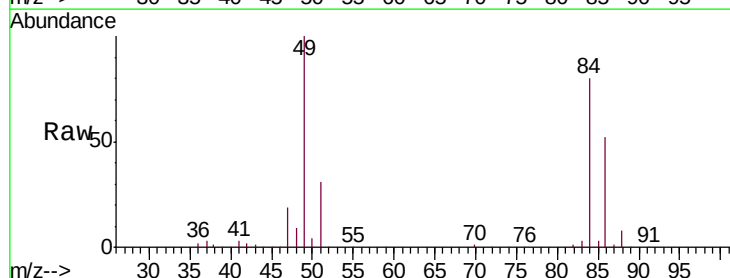
Tgt Ion: 84 Resp: 450913

Ion Ratio Lower Upper

84 100

86 64.1 44.8 83.2

49 124.4 88.1 163.7



Abundance Ion 84.00 (83.70 to 84.70): VV008569.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV008569.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV008569.D (-438) (-)

2.53

400000

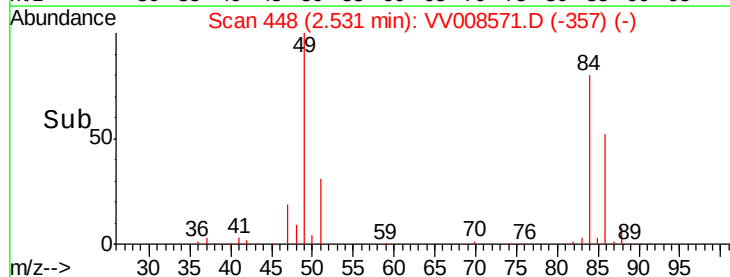
300000

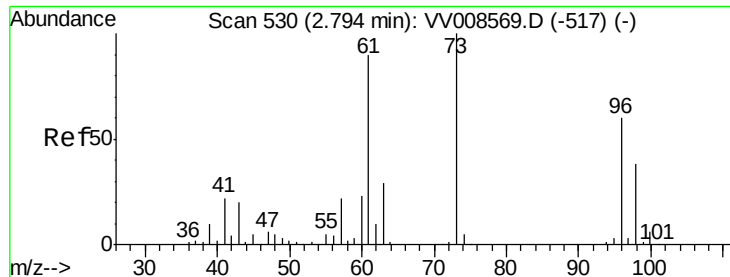
200000

100000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 191.164 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampled :

VSTD20072

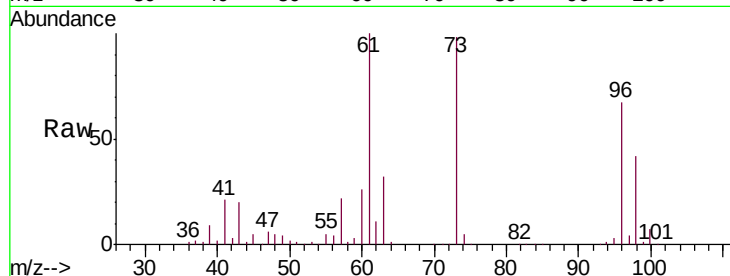
Tgt Ion: 96 Resp: 409572

Ion Ratio Lower Upper

96 100

61 148.7 104.9 194.9

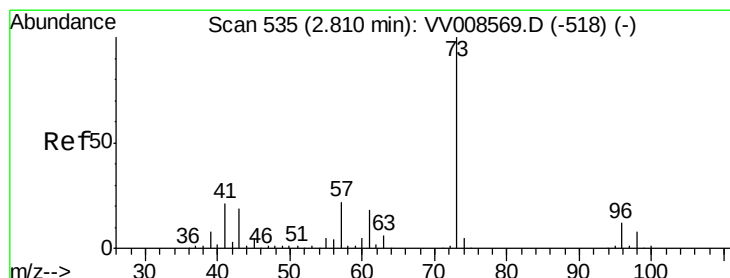
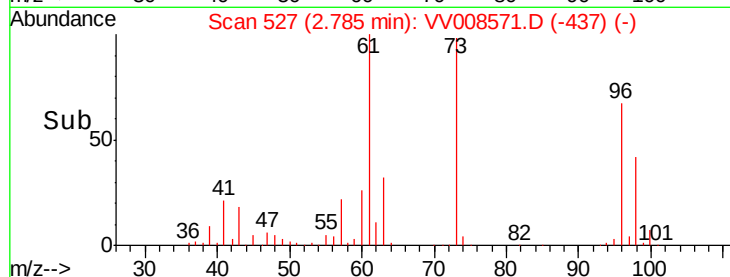
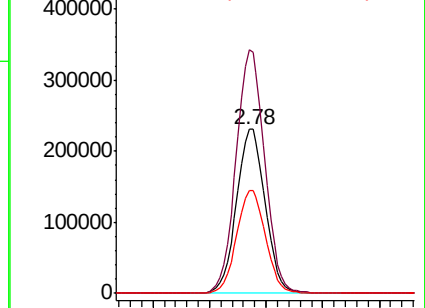
98 63.0 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV008571.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008571.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008571.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 196.868 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

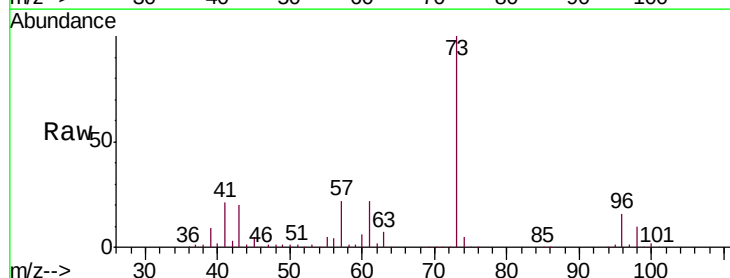
Tgt Ion: 73 Resp: 1449933

Ion Ratio Lower Upper

73 100

43 19.4 15.4 23.2

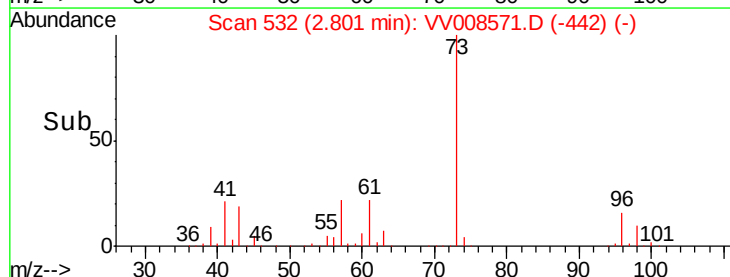
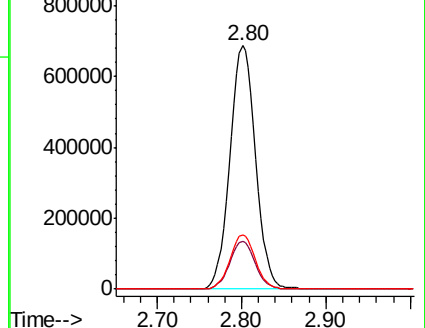
57 22.1 17.5 26.3

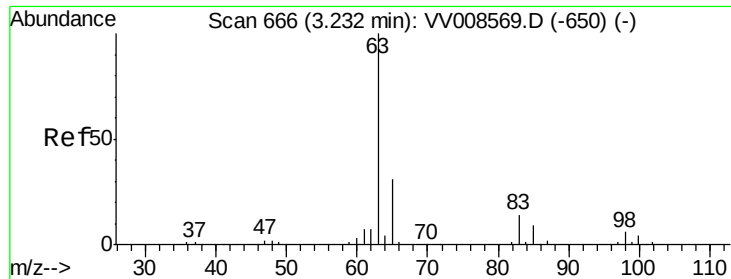


Abundance Ion 73.00 (72.70 to 73.70): VV008571.D (-442) (-)

Ion 43.00 (42.70 to 43.70): VV008571.D (-442) (-)

Ion 57.00 (56.70 to 57.70): VV008571.D (-442) (-)

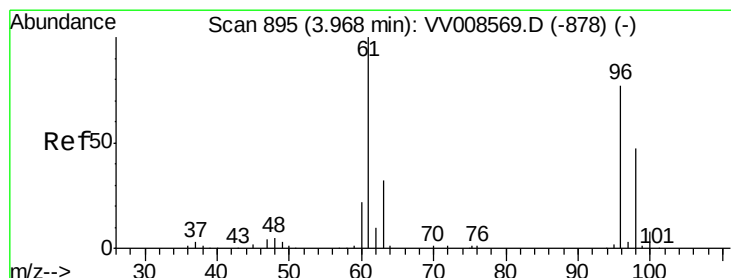
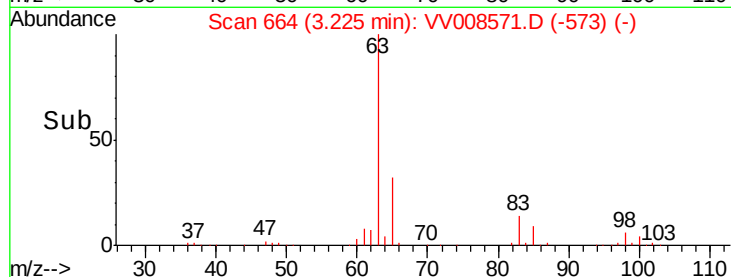
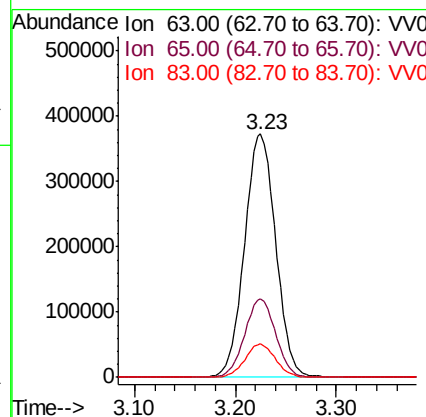
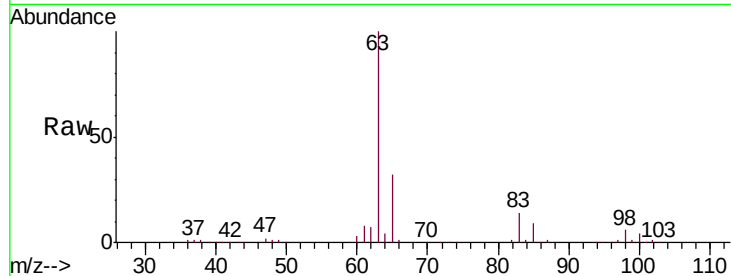




#19
 1,1-Dichloroethane
 Concen: 188.339 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: VV008571.D
 Acq: 15 Nov 2018 14:07

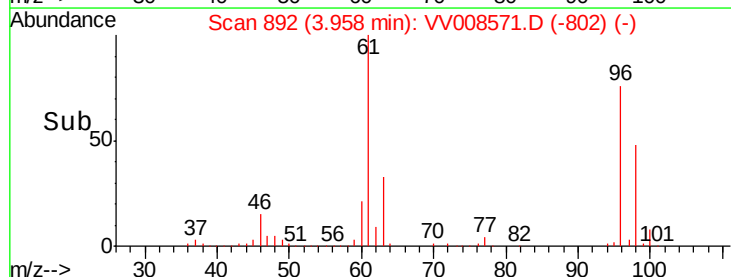
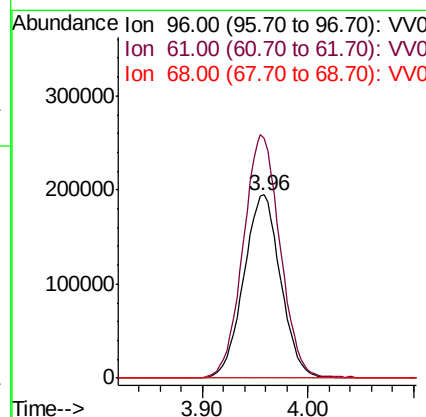
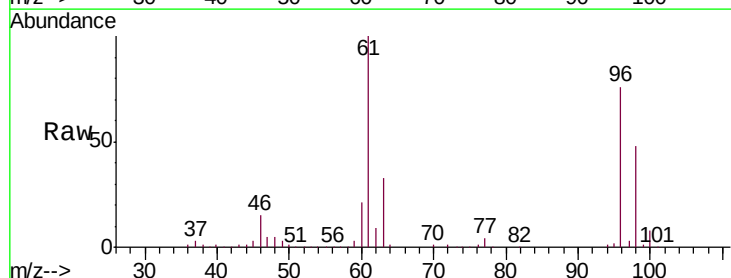
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20072

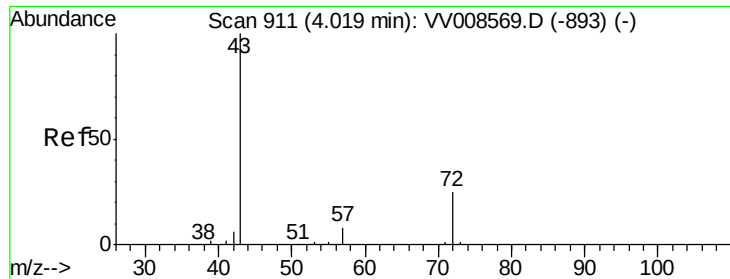
Tgt Ion: 63 Resp: 797832
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.8 40.6
 83 13.6 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 193.051 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VV008571.D
 Acq: 15 Nov 2018 14:07

Tgt Ion: 96 Resp: 474096
 Ion Ratio Lower Upper
 96 100
 61 131.0 91.3 169.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 331.940 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

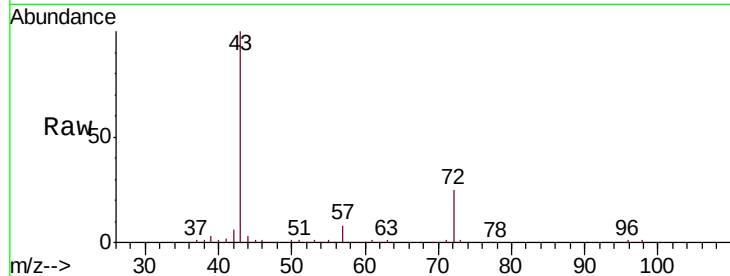
VSTD20072

Tgt Ion: 43 Resp: 704843

Ion Ratio Lower Upper

43 100

72 26.3 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV008569.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV008569.D (-893) (-)

4.01

300000

250000

200000

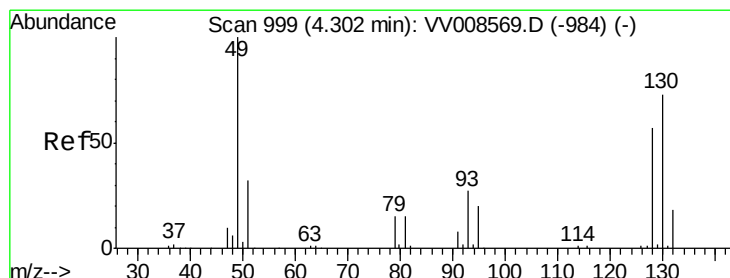
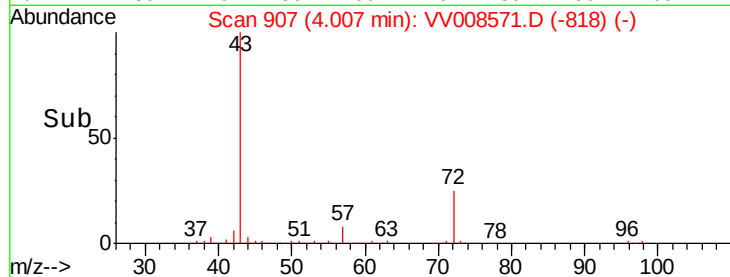
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 199.435 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Tgt Ion: 128 Resp: 230315

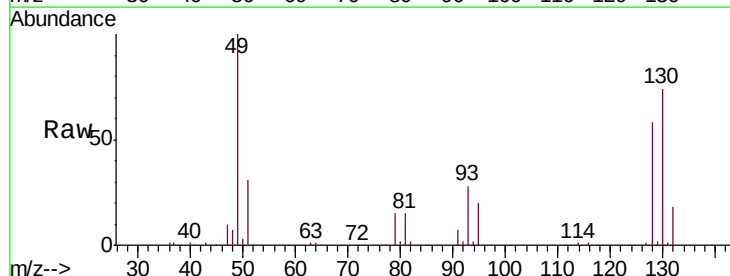
Ion Ratio Lower Upper

128 100

49 172.5 122.8 228.1

130 128.3 89.9 167.0

51 53.7 44.3 66.5



Abundance Ion 128.00 (127.70 to 128.70): VV008569.D (-984) (-)

Ion 49.00 (48.70 to 49.70): VV008569.D (-984) (-)

Ion 130.00 (129.70 to 130.70): VV008569.D (-984) (-)

Ion 51.00 (50.70 to 51.70): VV008569.D (-984) (-)

250000

200000

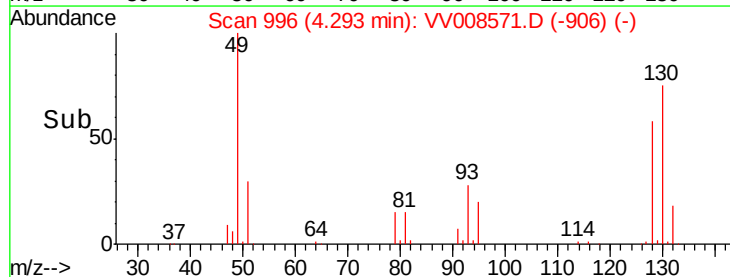
150000

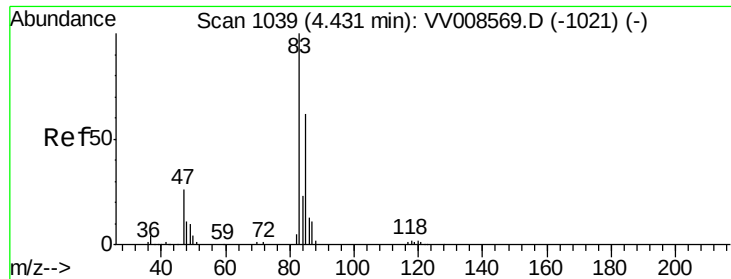
100000

50000

0

Time-->

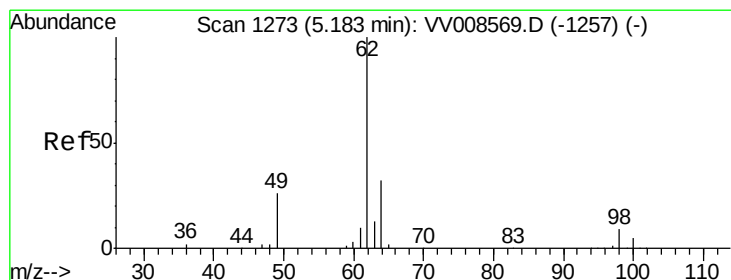
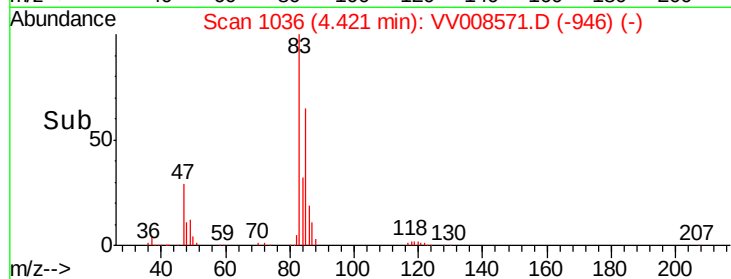
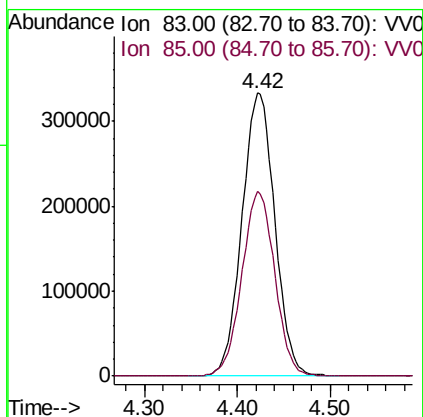
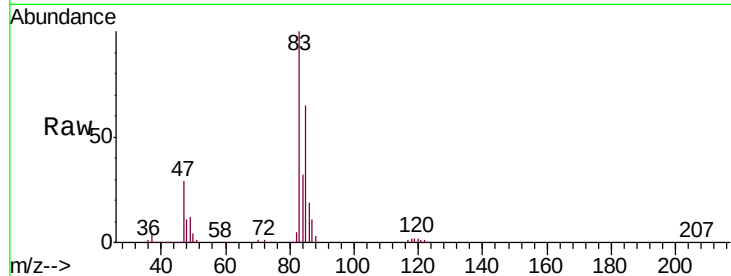




#25
Chloroform
Concen: 190.790 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VV008571.D
Acq: 15 Nov 2018 14:07

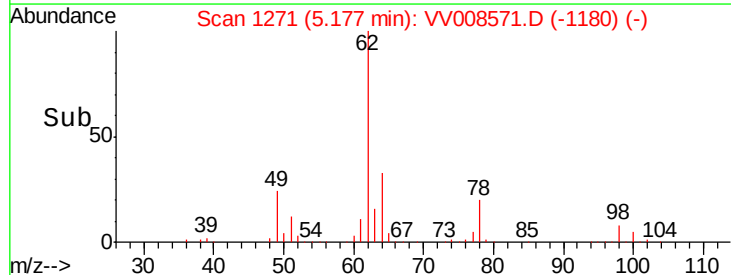
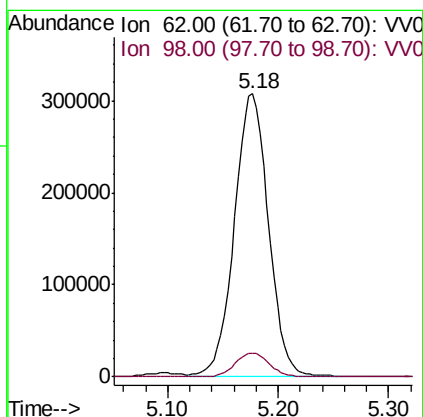
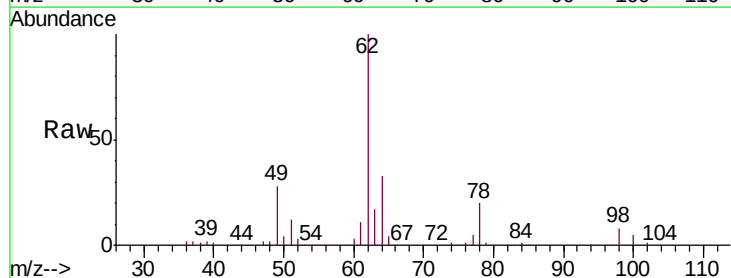
Instrument :
MSVOA_V
ClientSampleId :
VSTD20072

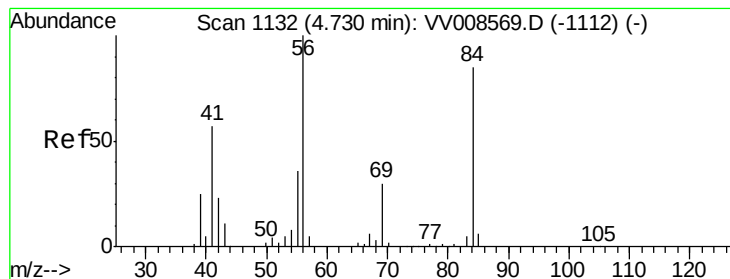
Tgt Ion: 83 Resp: 818866
Ion Ratio Lower Upper
83 100
85 65.1 43.8 81.4



#27
1,2-Dichloroethane
Concen: 192.874 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VV008571.D
Acq: 15 Nov 2018 14:07

Tgt Ion: 62 Resp: 656274
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.4





#29

Cyclohexane

Concen: 200.035 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20072

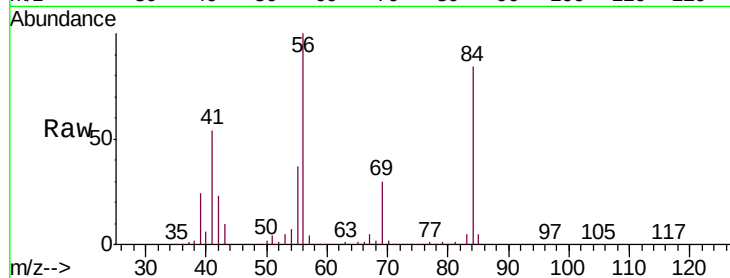
Tgt Ion: 56 Resp: 773542

Ion Ratio Lower Upper

56 100

69 30.5 24.2 36.2

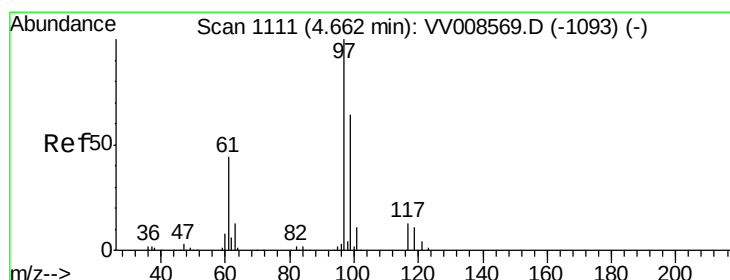
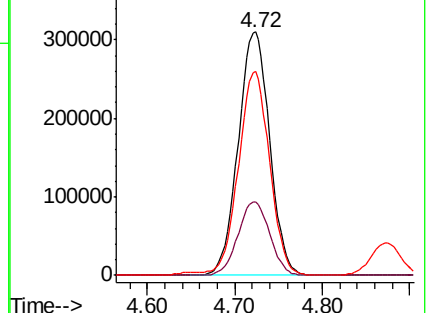
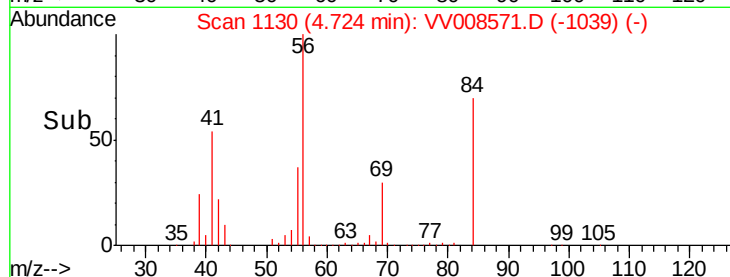
84 82.2 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VV008571.D (-1039) (-)

Ion 69.00 (68.70 to 69.70): VV008571.D (-1039) (-)

Ion 84.00 (83.70 to 84.70): VV008571.D (-1039) (-)



#30

1,1,1-Trichloroethane

Concen: 198.039 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

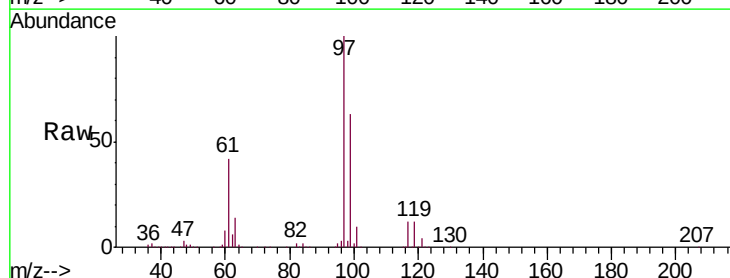
Tgt Ion: 97 Resp: 712001

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

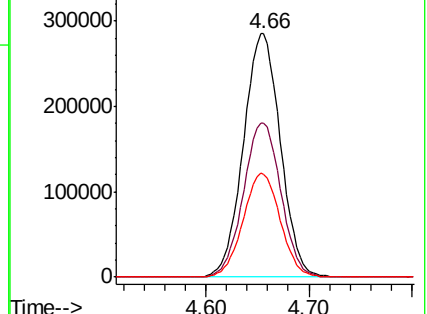
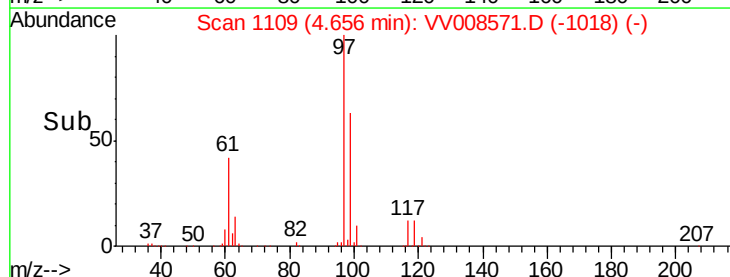
61 42.7 34.3 51.5

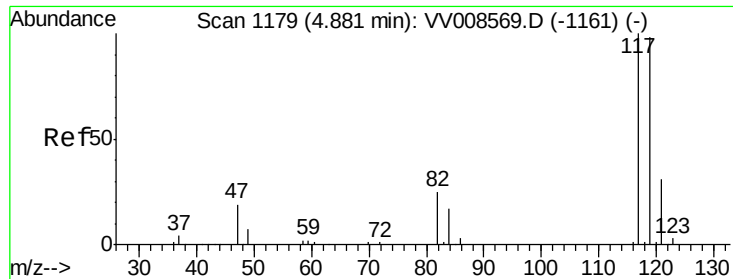


Abundance Ion 97.00 (96.70 to 97.70): VV008571.D (-1018) (-)

Ion 99.00 (98.70 to 99.70): VV008571.D (-1018) (-)

Ion 61.05 (60.75 to 61.75): VV008571.D (-1018) (-)





#31

Carbon tetrachloride

Concen: 205.826 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

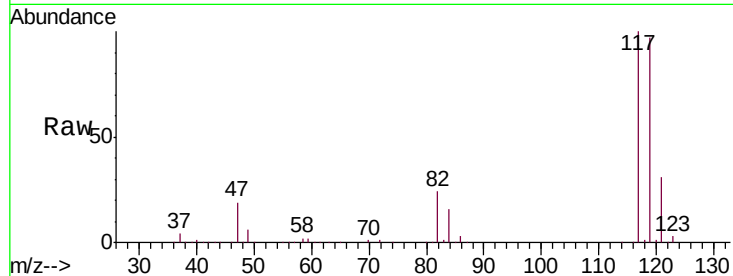
VSTD20072

Tgt Ion:117 Resp: 623671

Ion Ratio Lower Upper

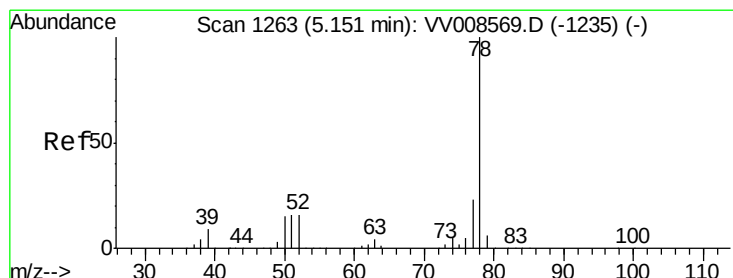
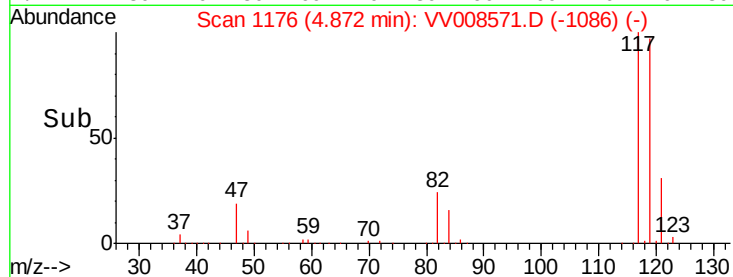
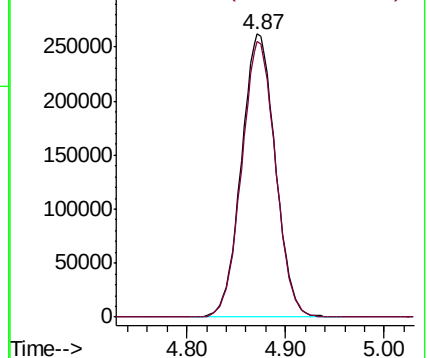
117 100

119 96.7 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 200.622 ug/L

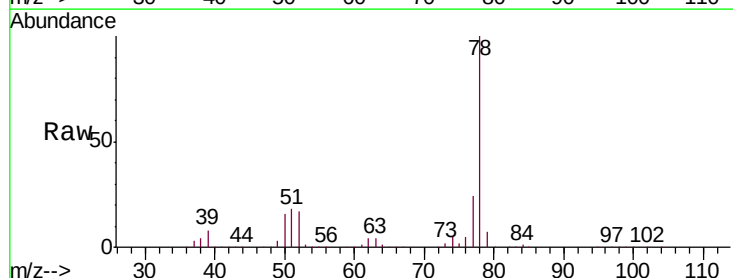
RT: 5.14 min Scan# 1261

Delta R.T. -0.01 min

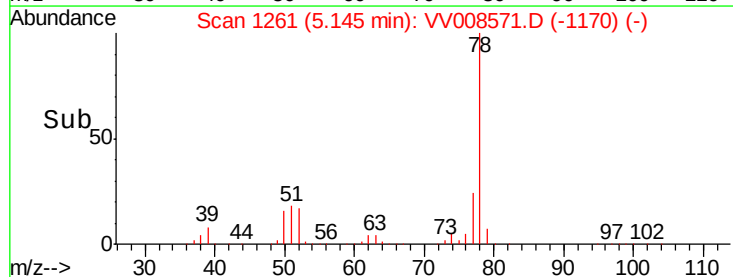
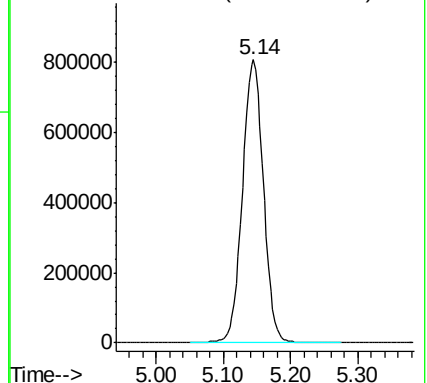
Lab File: VV008571.D

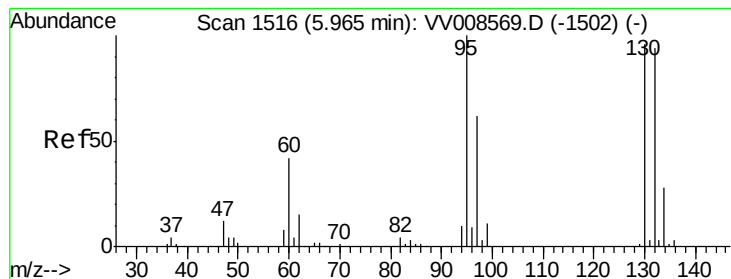
Acq: 15 Nov 2018 14:07

Tgt Ion: 78 Resp: 1753667



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 203.583 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20072

Tgt Ion: 95 Resp: 459862

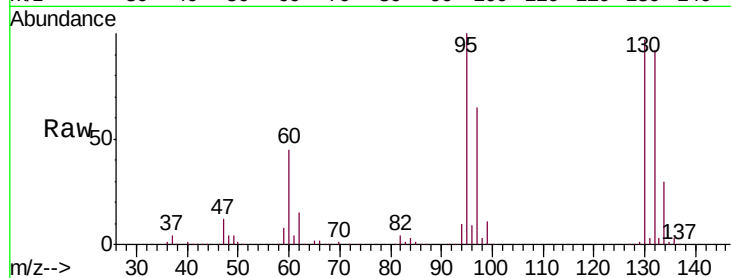
Ion Ratio Lower Upper

95 100

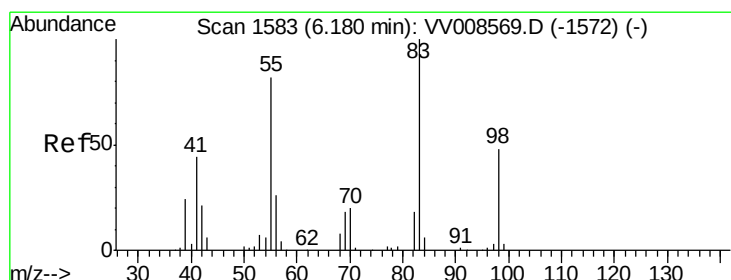
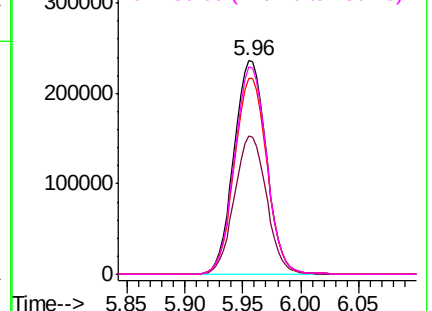
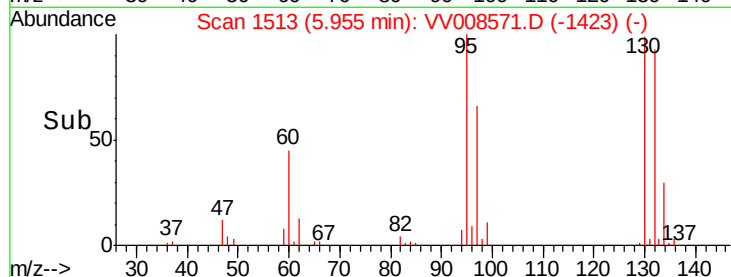
97 64.7 43.6 81.0

132 91.7 65.9 122.3

130 97.0 66.9 124.3



Abundance Ion 95.00 (94.70 to 95.70): VV008571.D (-1423) (-)



#35

Methylcyclohexane

Concen: 212.819 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

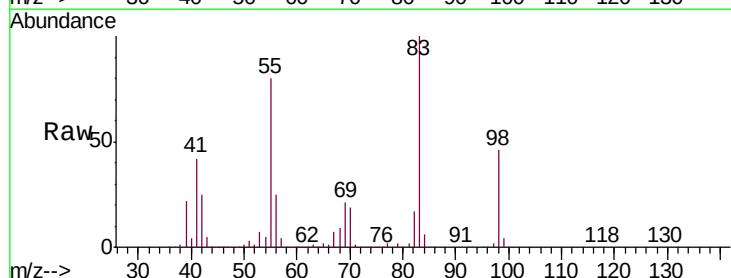
Tgt Ion: 83 Resp: 796925

Ion Ratio Lower Upper

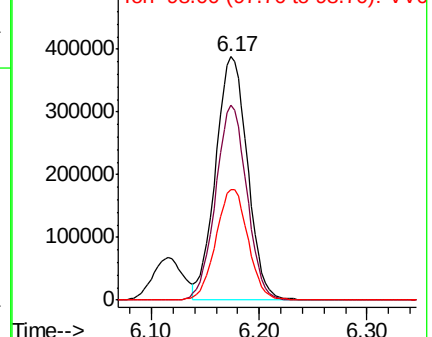
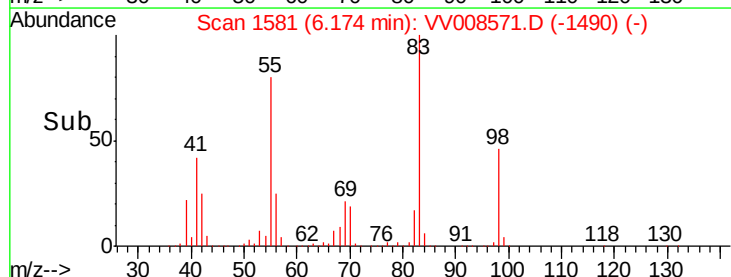
83 100

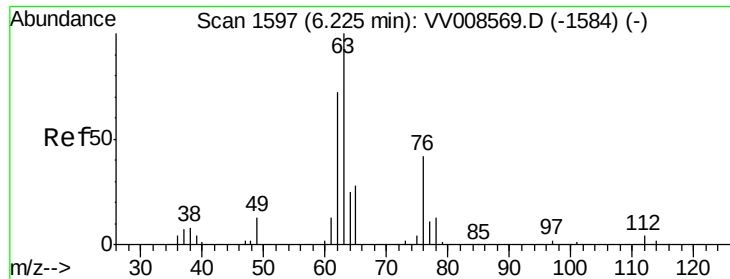
55 78.5 65.5 98.3

98 46.1 37.9 56.9



Abundance Ion 83.00 (82.70 to 83.70): VV008571.D (-1490) (-)

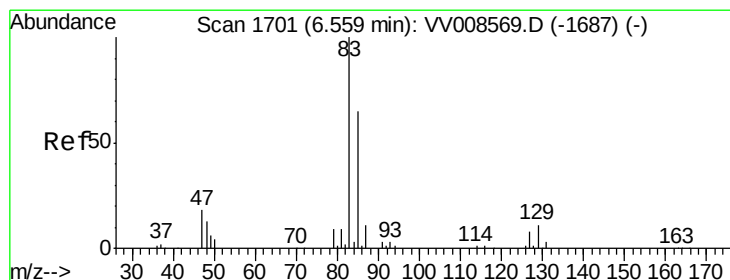
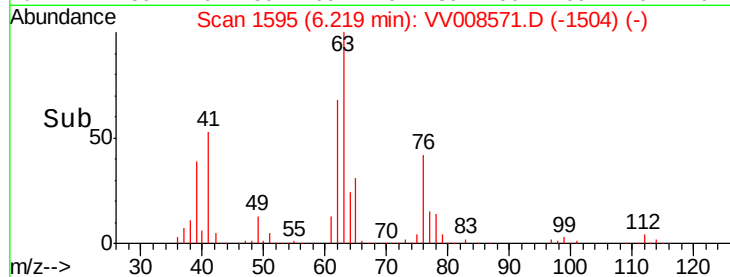
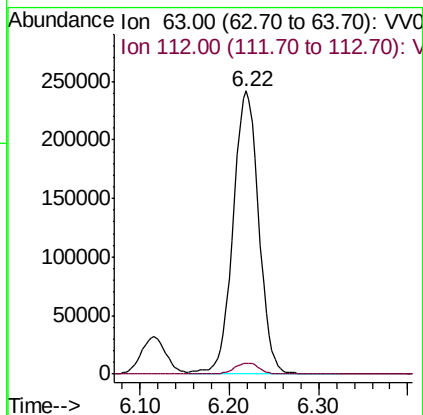
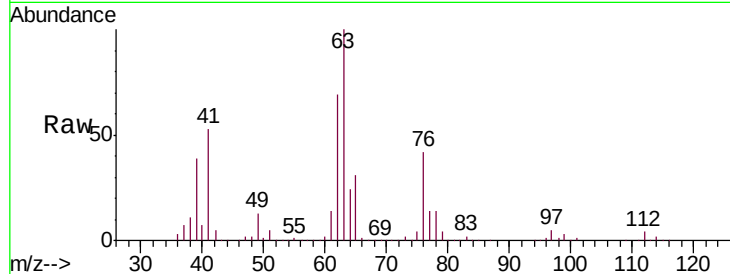




#37
 1,2-Dichloropropane
 Concen: 201.574 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: VV008571.D
 Acq: 15 Nov 2018 14:07

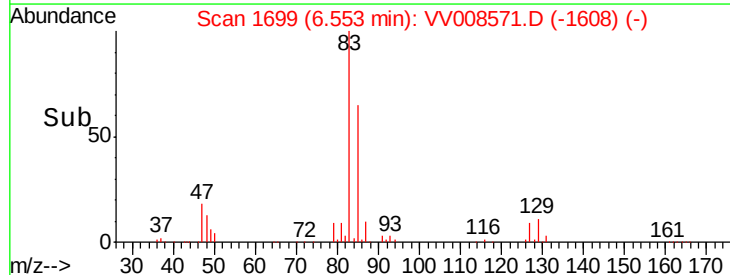
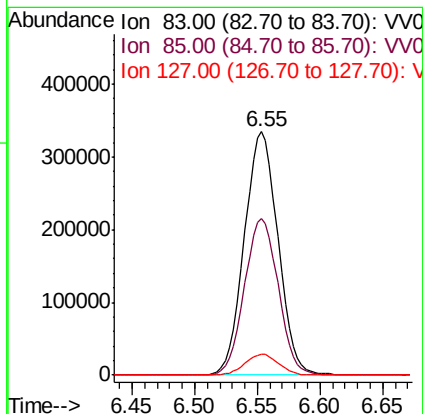
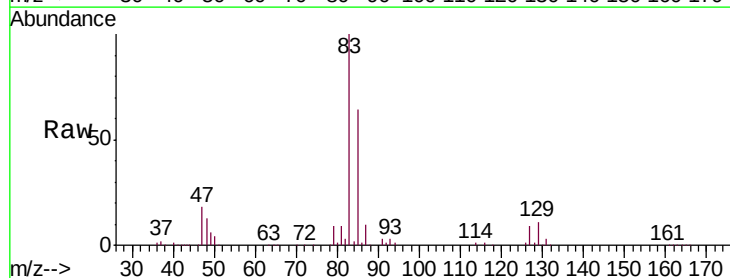
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20072

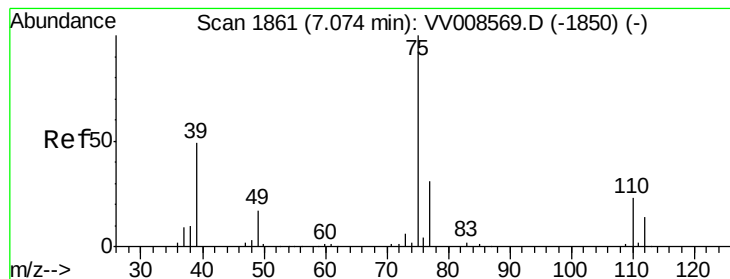
Tgt Ion: 63 Resp: 481359
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 209.234 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: VV008571.D
 Acq: 15 Nov 2018 14:07

Tgt Ion: 83 Resp: 626823
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.4 84.4
 127 8.5 6.6 10.0



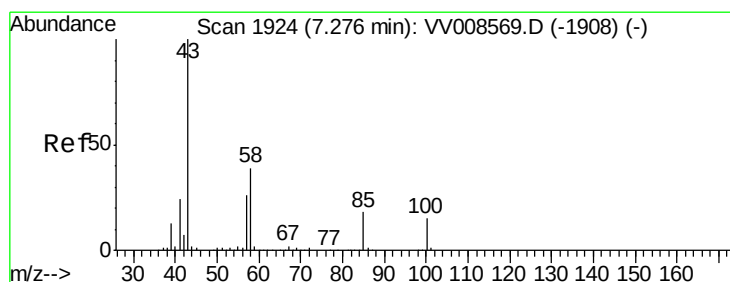
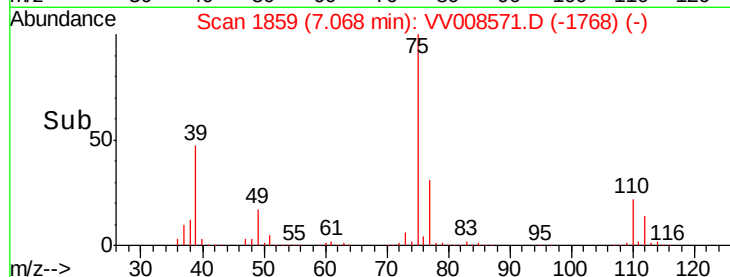
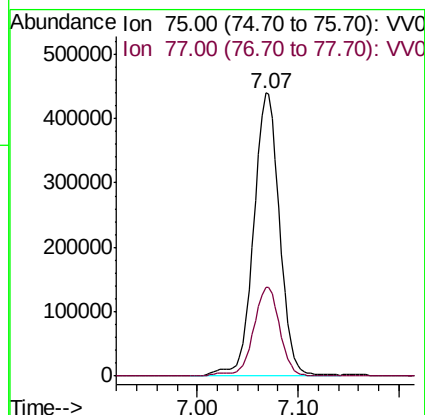
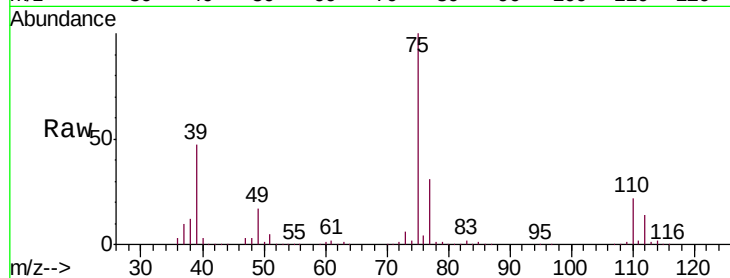


#39

cis-1,3-Dichloropropene
 Concen: 218.277 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: VV008571.D
 Acq: 15 Nov 2018 14:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20072

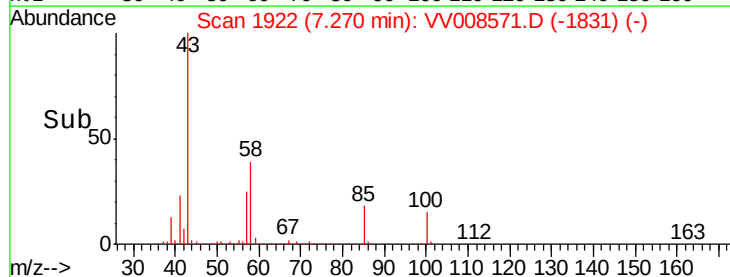
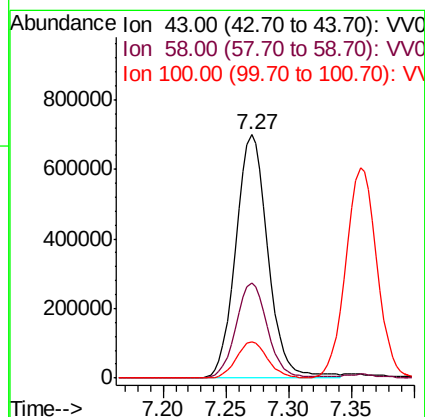
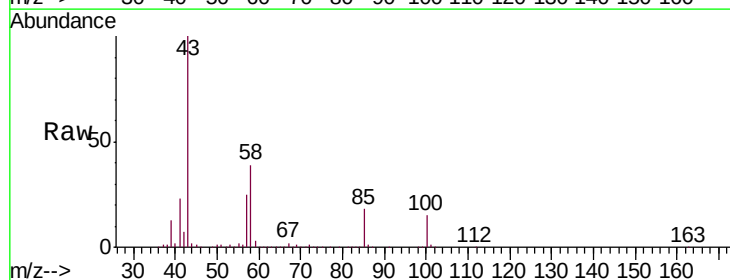
Tgt Ion: 75 Resp: 779165
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.1 41.1

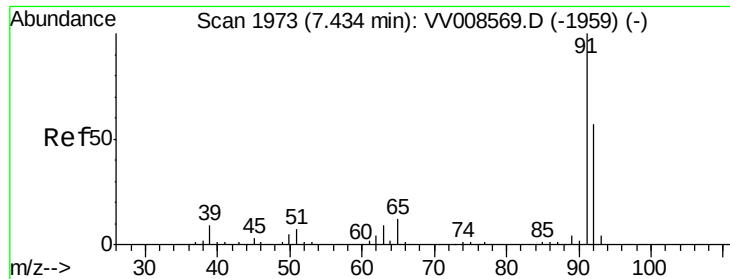


#40

4-Methyl-2-pentanone
 Concen: 361.120 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VV008571.D
 Acq: 15 Nov 2018 14:07

Tgt Ion: 43 Resp: 1245669
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3
 100 14.5 11.5 17.3





#42

Toluene

Concen: 197.749 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

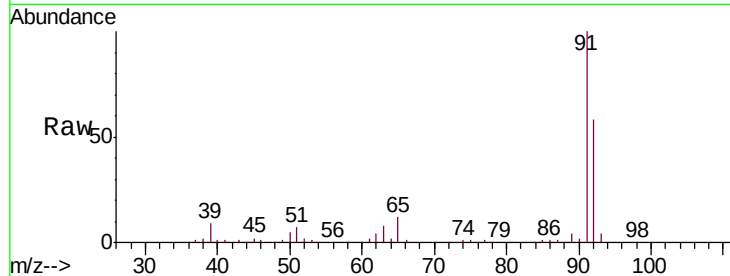
VSTD20072

Tgt Ion: 91 Resp: 1815014

Ion Ratio Lower Upper

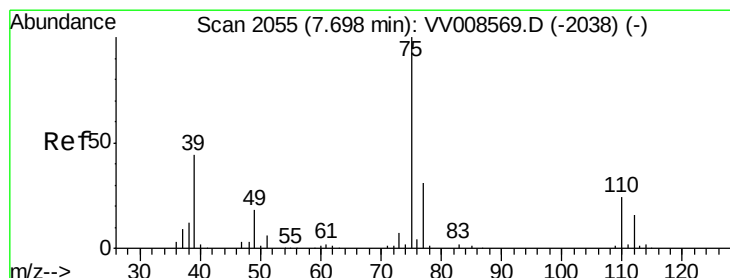
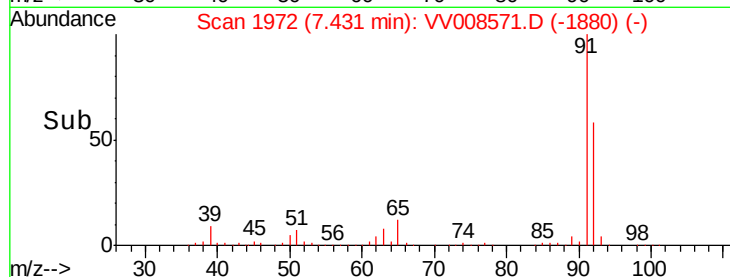
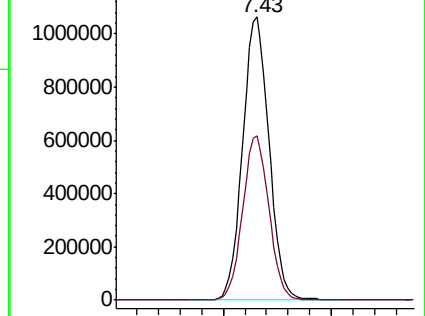
91 100

92 58.0 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VV008569.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008569.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 219.664 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.01 min

Lab File: VV008571.D

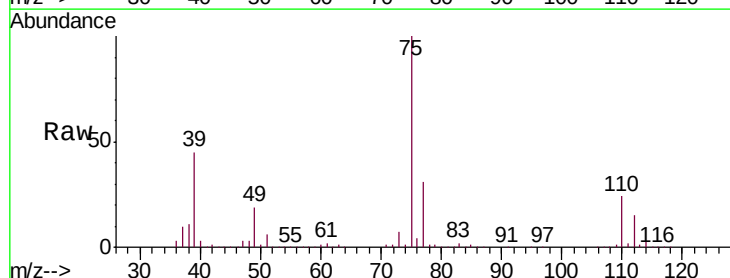
Acq: 15 Nov 2018 14:07

Tgt Ion: 75 Resp: 721655

Ion Ratio Lower Upper

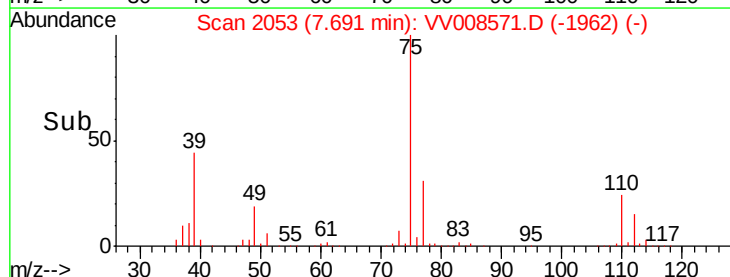
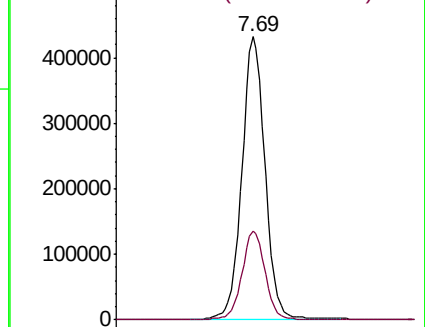
75 100

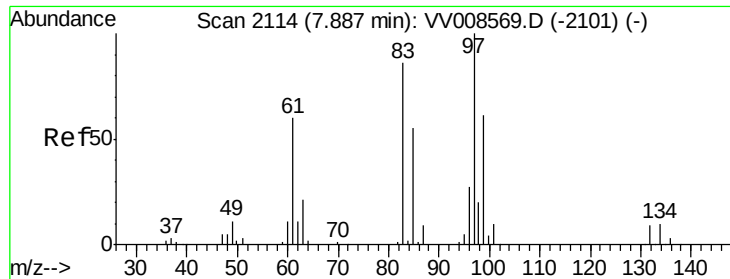
77 31.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV008569.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV008569.D (-2038) (-)

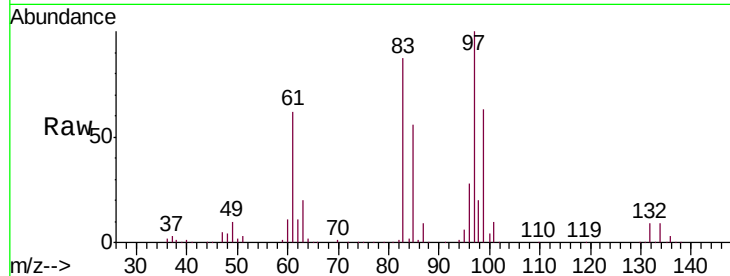




#45
1,1,2-Trichloroethane
Concen: 200.861 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.01 min
Lab File: VV008571.D
Acq: 15 Nov 2018 14:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD20072

Tgt Ion:	97	Resp:	430970
Ion	Ratio	Lower	Upper
97	100		
99	63.1	42.9	79.7
83	86.7	60.4	112.2
85	56.4	38.5	71.5



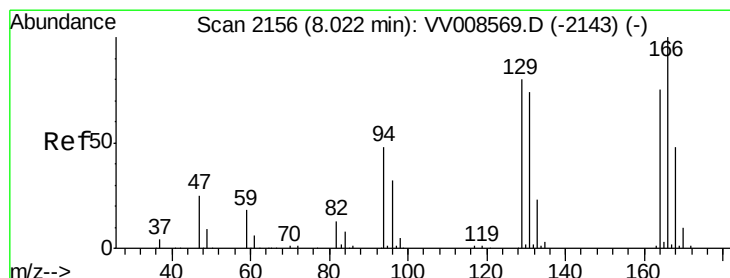
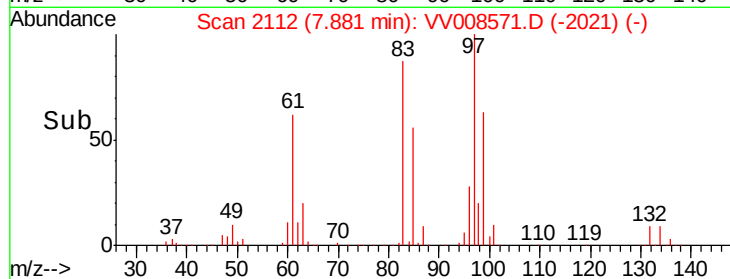
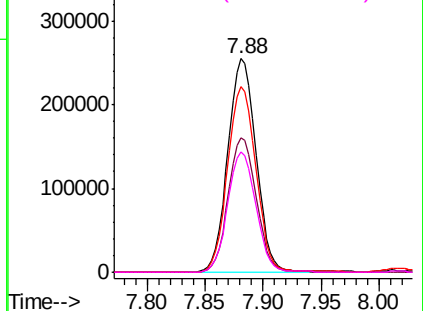
Abundance

Ion 97.00 (96.70 to 97.70): VV008571.D (-2063) (-)

Ion 99.00 (98.70 to 99.70): VV008571.D (-2063) (-)

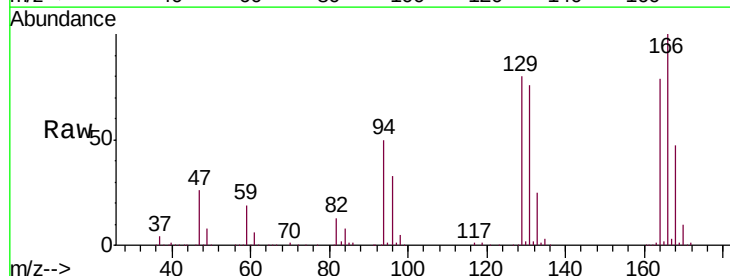
Ion 83.00 (82.70 to 83.70): VV008571.D (-2063) (-)

Ion 85.00 (84.70 to 85.70): VV008571.D (-2063) (-)



#46
Tetrachloroethene
Concen: 206.244 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.01 min
Lab File: VV008571.D
Acq: 15 Nov 2018 14:07

Tgt Ion:	164	Resp:	333290
Ion	Ratio	Lower	Upper
164	100		
129	101.5	74.3	138.1
131	96.3	68.9	127.9
166	127.0	93.2	173.0



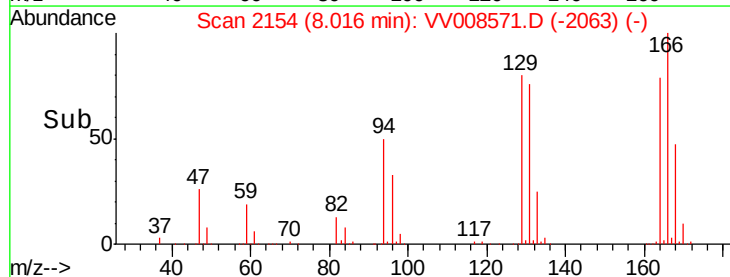
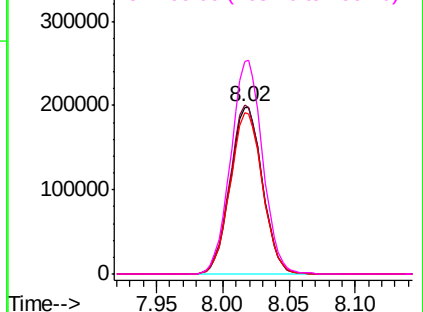
Abundance

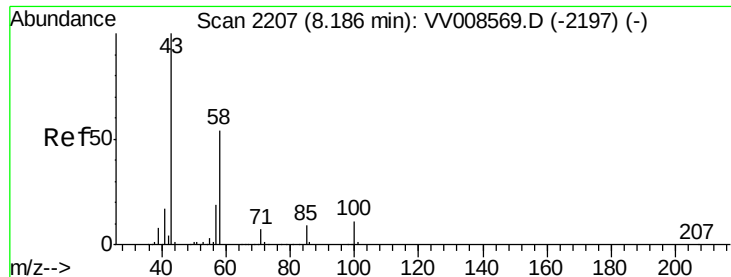
Ion 164.00 (163.70 to 164.70): VV008571.D (-2063) (-)

Ion 129.00 (128.70 to 129.70): VV008571.D (-2063) (-)

Ion 131.00 (130.70 to 131.70): VV008571.D (-2063) (-)

Ion 166.00 (165.70 to 166.70): VV008571.D (-2063) (-)

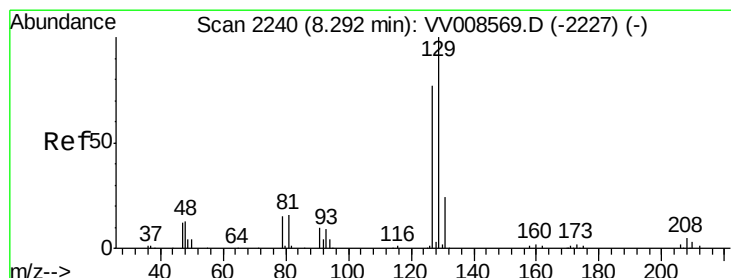
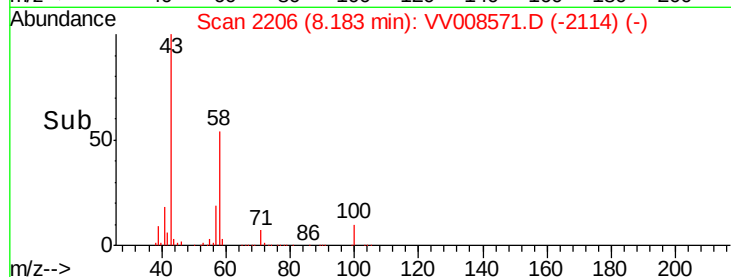
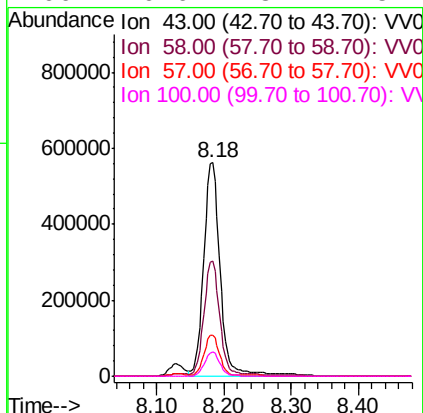
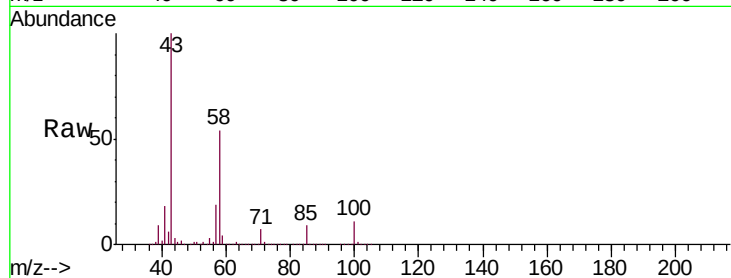




#48
2-Hexanone
Concen: 365.773 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV008571.D
Acq: 15 Nov 2018 14:07

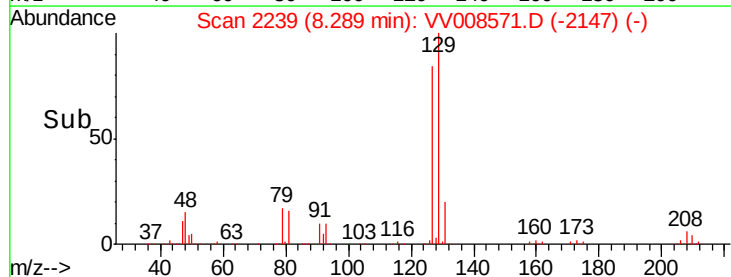
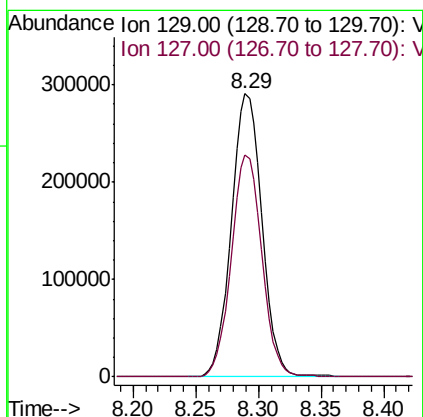
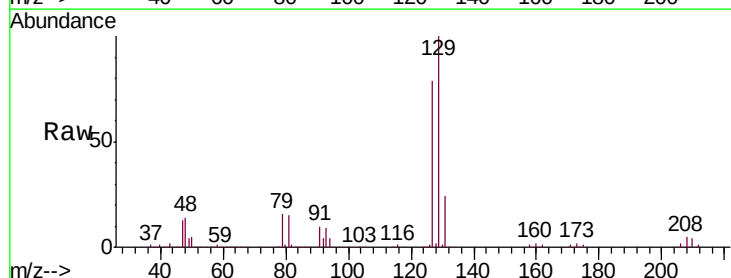
Instrument :
MSVOA_V
ClientSampleId :
VSTD20072

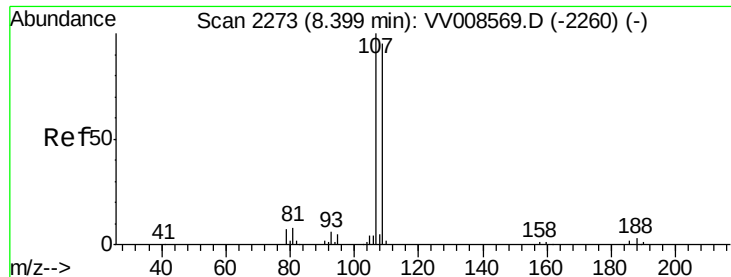
Tgt Ion:	43	Resp:	959591
Ion	Ratio	Lower	Upper
43	100		
58	50.6	43.8	65.6
57	18.2	14.6	22.0
100	10.6	8.7	13.1



#49
Dibromochloromethane
Concen: 221.838 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV008571.D
Acq: 15 Nov 2018 14:07

Tgt Ion:	129	Resp:	493934
Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.1	100.5

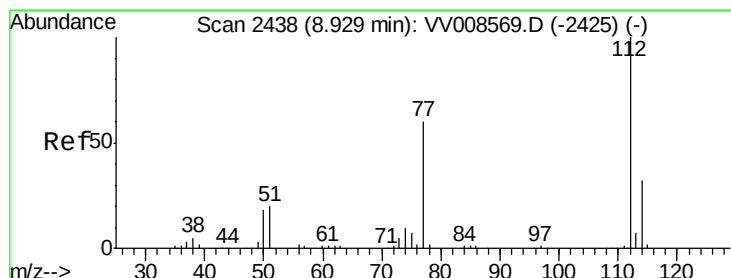
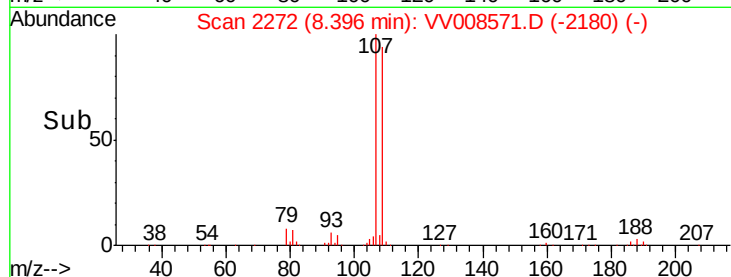
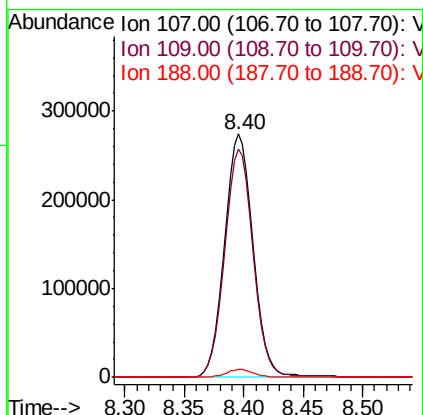
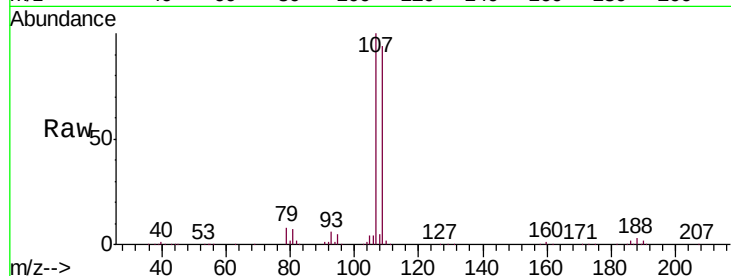




#50
1,2-Dibromoethane
Concen: 203.240 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV008571.D
Acq: 15 Nov 2018 14:07

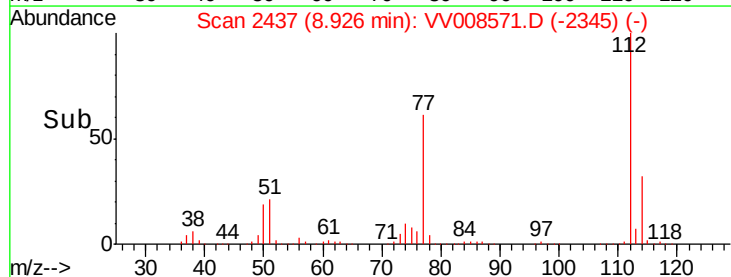
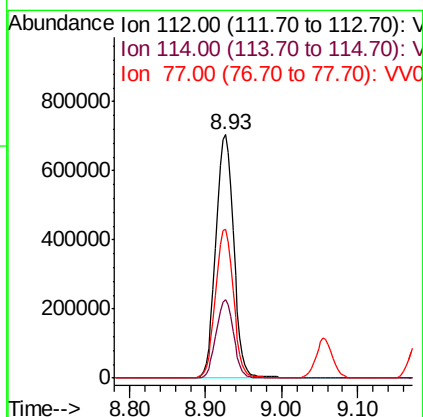
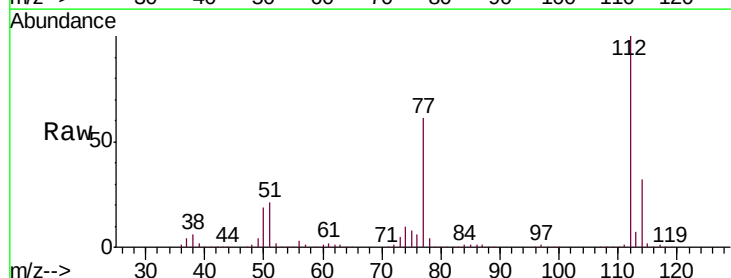
Instrument :
MSVOA_V
ClientSampleId :
VSTD20072

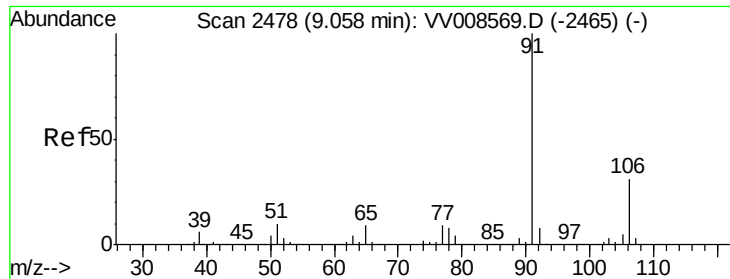
Tgt Ion:107 Resp: 455887
Ion Ratio Lower Upper
107 100
109 94.0 66.2 123.0
188 3.2 2.6 4.0



#51
Chlorobenzene
Concen: 198.119 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008571.D
Acq: 15 Nov 2018 14:07

Tgt Ion:112 Resp: 1144735
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 61.0 48.6 72.8





#52

Ethylbenzene

Concen: 197.569 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

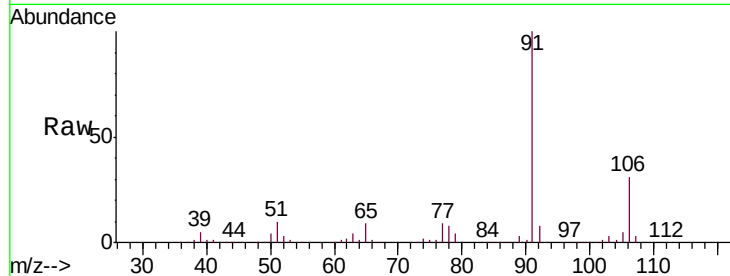
VSTD20072

Tgt Ion: 91 Resp: 2010809

Ion Ratio Lower Upper

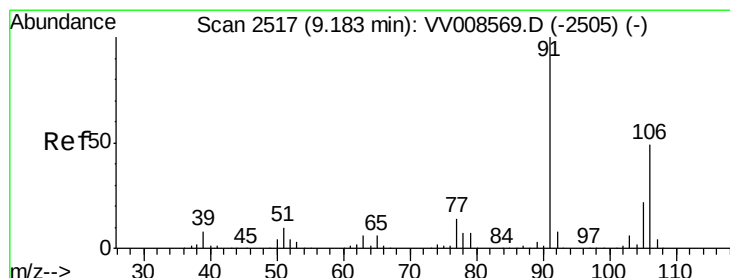
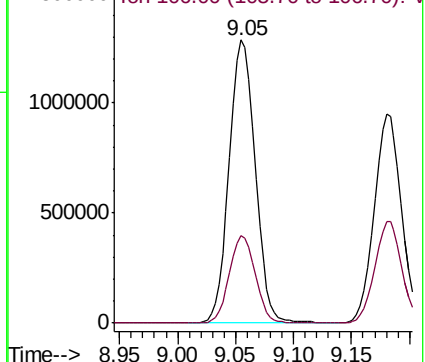
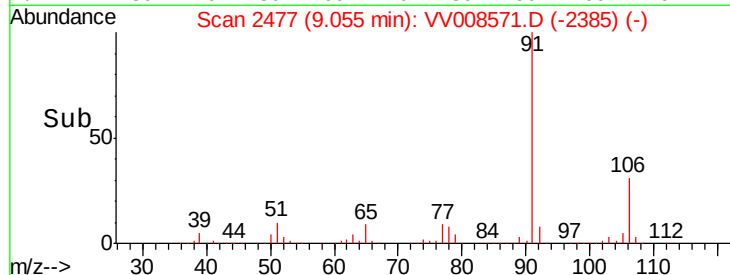
91 100

106 30.9 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV008571.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV008571.D (-2385) (-)



#53

m,p-Xylene

Concen: 203.847 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008571.D

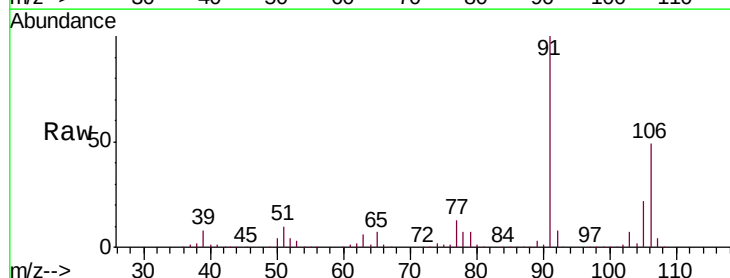
Acq: 15 Nov 2018 14:07

Tgt Ion: 106 Resp: 759107

Ion Ratio Lower Upper

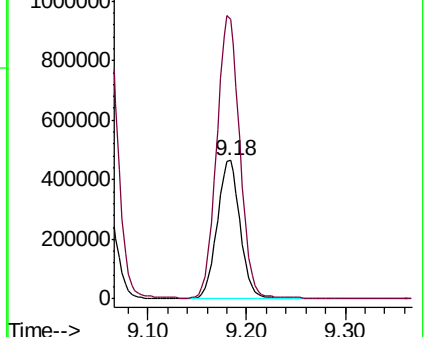
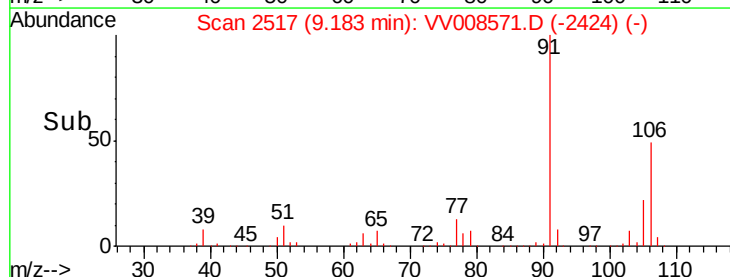
106 100

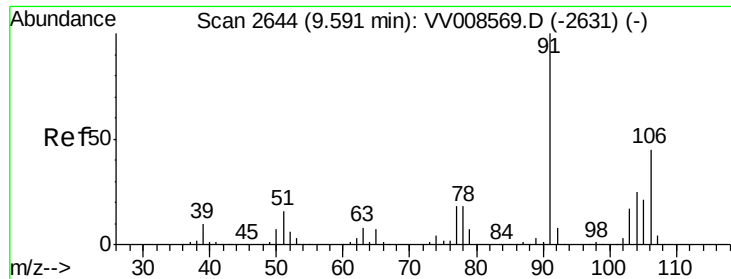
91 202.4 142.5 264.7



Abundance Ion 106.00 (105.70 to 106.70): VV008571.D (-2424) (-)

Ion 91.00 (90.70 to 91.70): VV008571.D (-2424) (-)





#54

o-xylene

Concen: 195.624 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

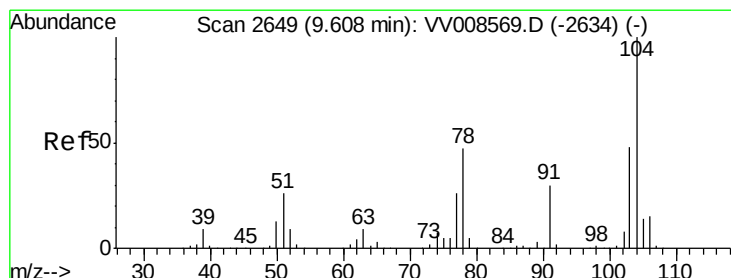
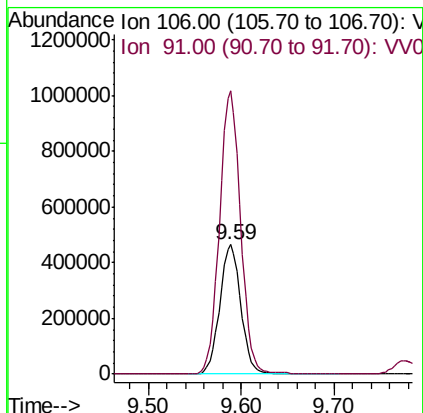
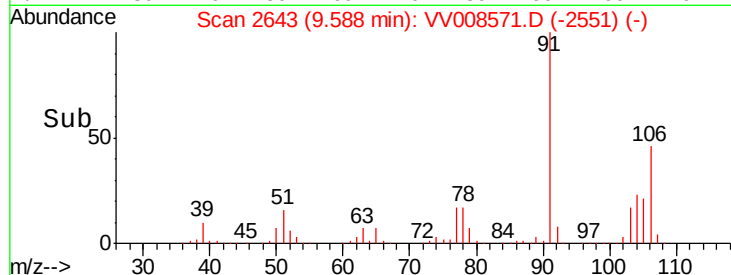
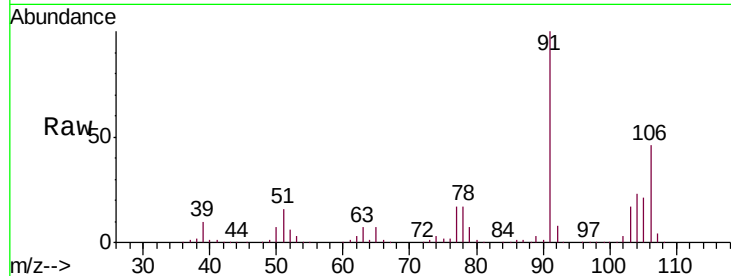
VSTD20072

Tgt Ion:106 Resp: 730582

Ion Ratio Lower Upper

106 100

91 218.4 154.6 287.2



#55

Styrene

Concen: 201.858 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV008571.D

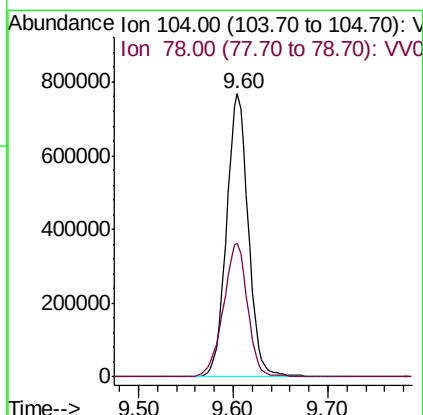
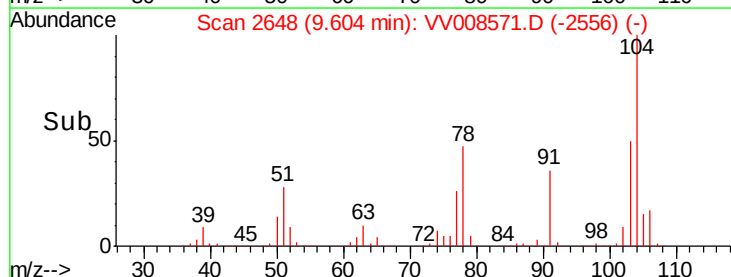
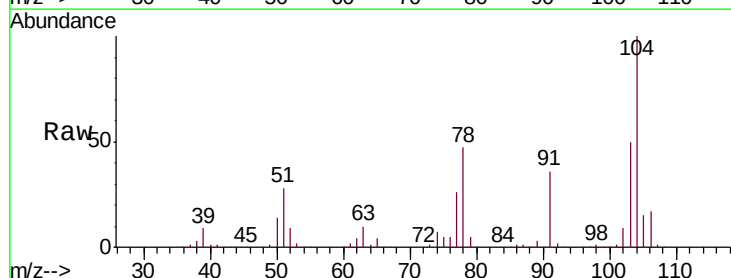
Acq: 15 Nov 2018 14:07

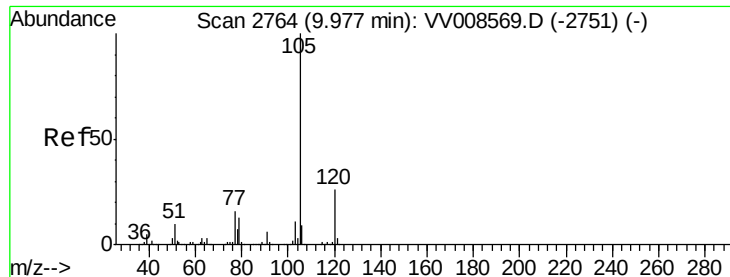
Tgt Ion:104 Resp: 1229419

Ion Ratio Lower Upper

104 100

78 47.1 32.8 60.8





#56

Isopropylbenzene

Concen: 196.211 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20072

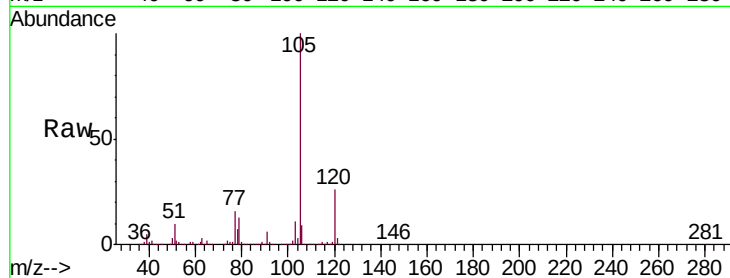
Tgt Ion:105 Resp: 1914759

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

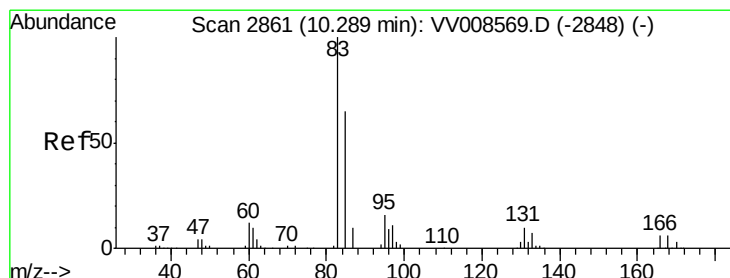
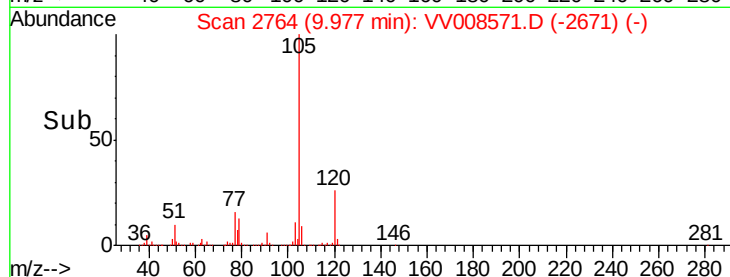
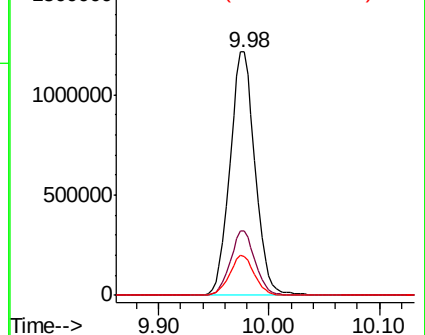
77 16.1 12.9 19.3



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: 189.449 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

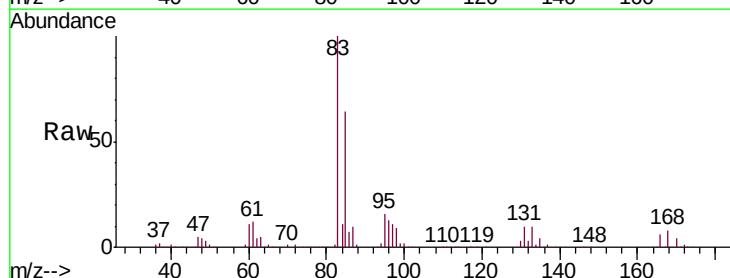
Tgt Ion: 83 Resp: 669235

Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.0

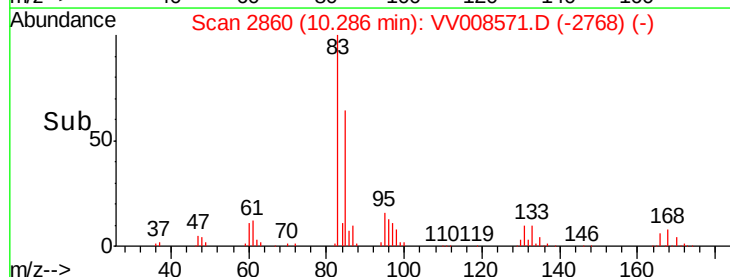
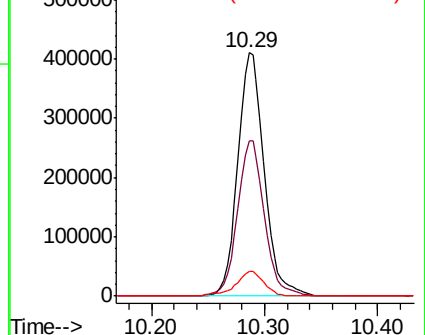
131 10.0 8.2 12.4

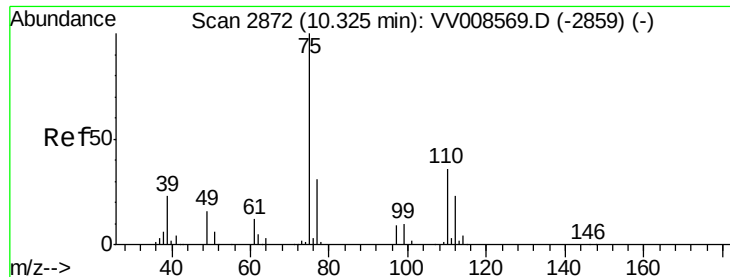


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

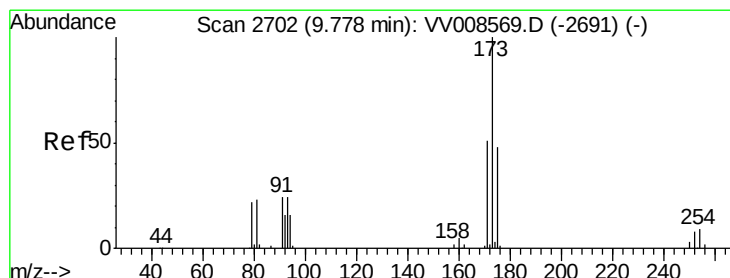
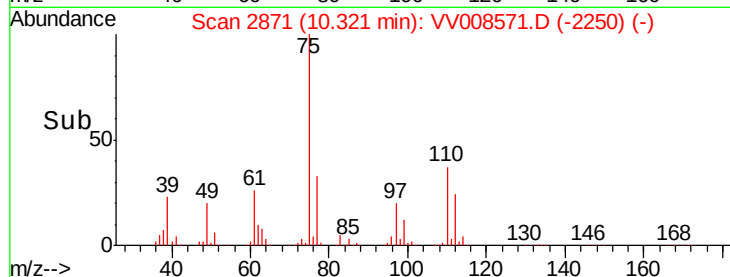
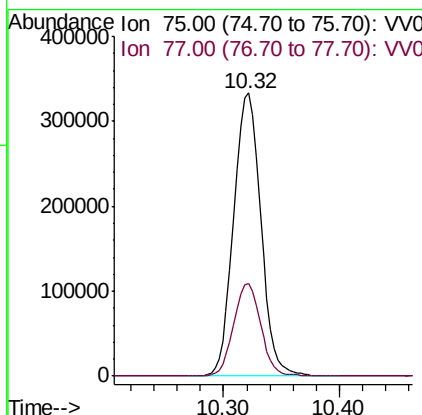
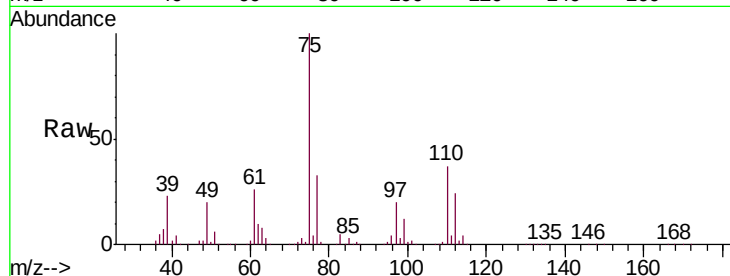




#59
 1,2,3-Trichloropropane
 Concen: 181.628 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008571.D
 Acq: 15 Nov 2018 14:07

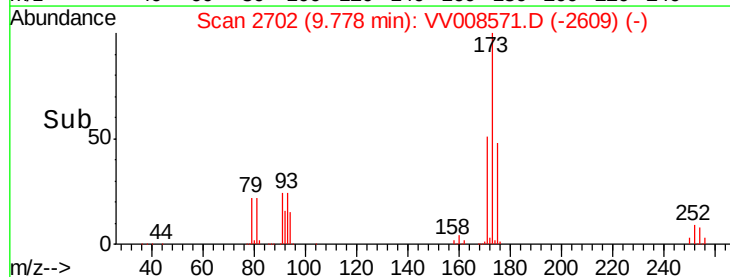
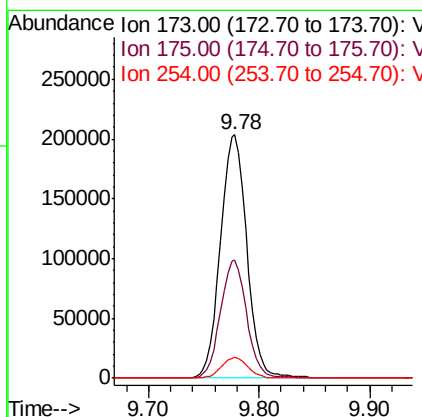
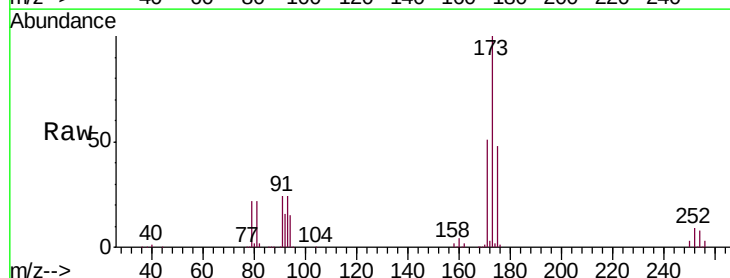
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20072

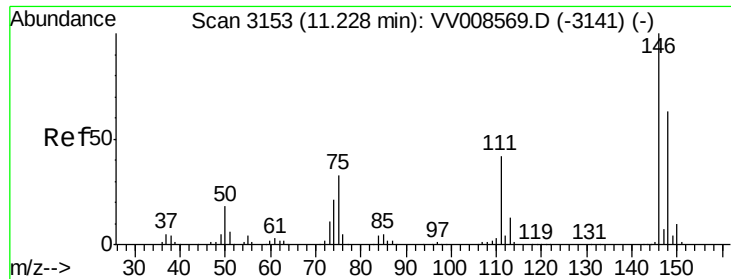
Tgt Ion: 75 Resp: 540523
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.2



#61
 Bromoform
 Concen: 220.511 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008571.D
 Acq: 15 Nov 2018 14:07

Tgt Ion: 173 Resp: 338498
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.2 57.4
 254 8.4 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 194.415 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20072

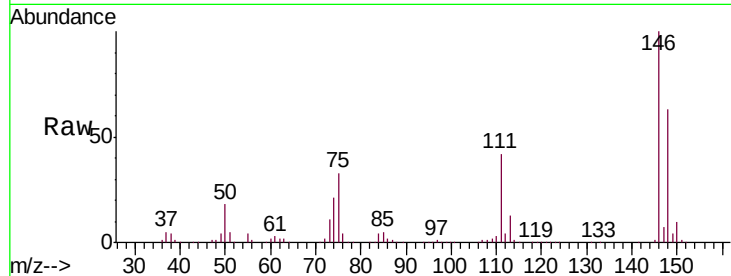
Tgt Ion:146 Resp: 821311

Ion Ratio Lower Upper

146 100

111 41.6 29.5 54.9

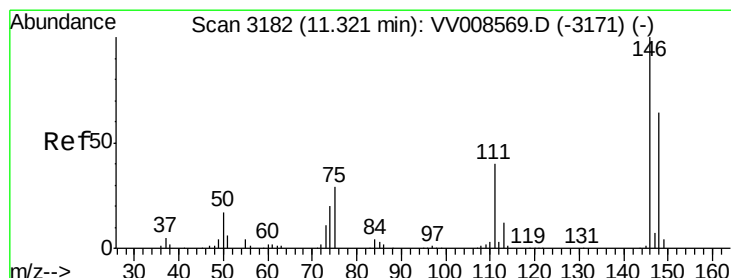
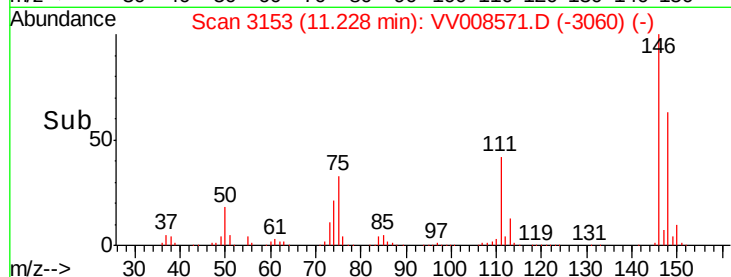
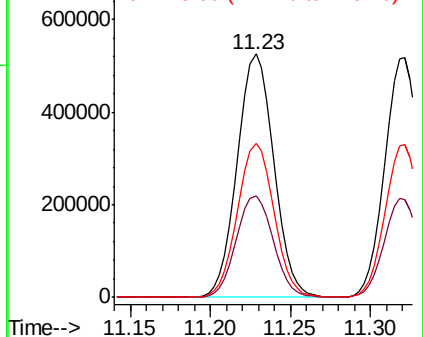
148 63.0 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 194.106 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

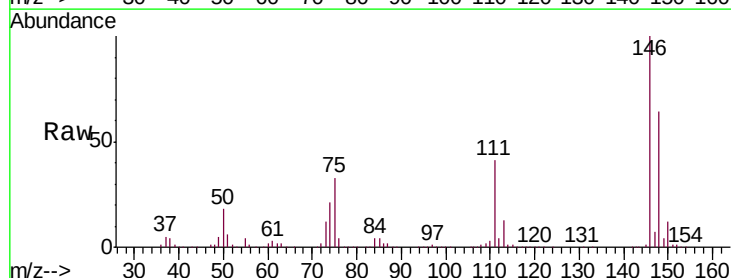
Tgt Ion:146 Resp: 813648

Ion Ratio Lower Upper

146 100

111 40.7 28.2 52.4

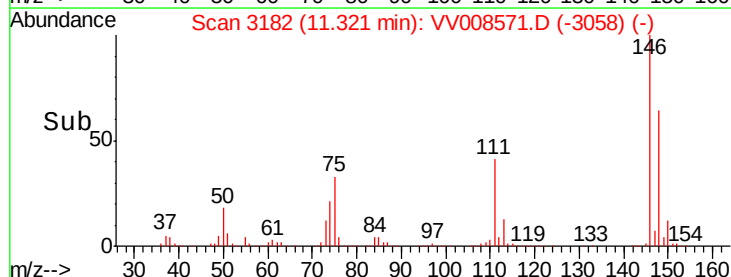
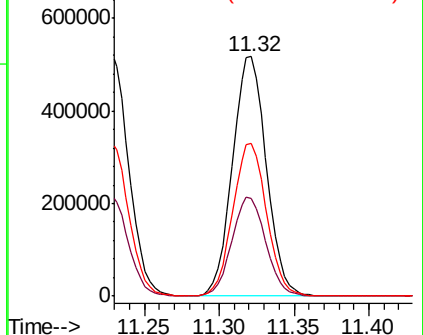
148 64.0 44.7 82.9

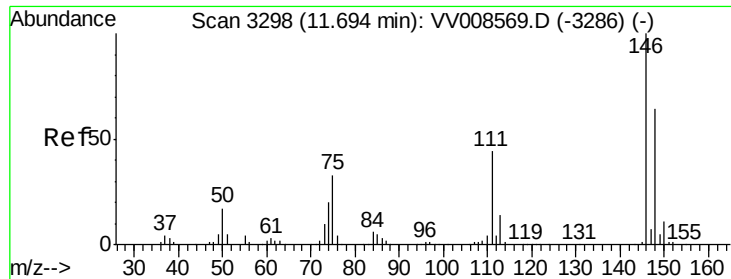


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 186.864 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20072

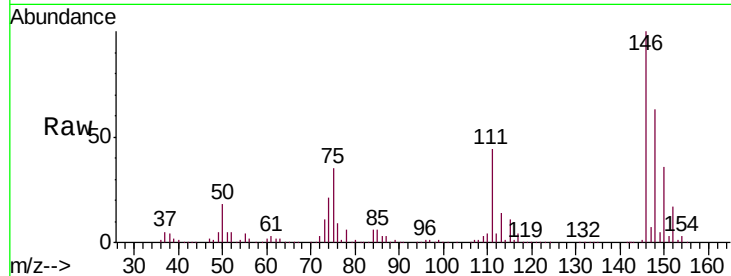
Tgt Ion:146 Resp: 801284

Ion Ratio Lower Upper

146 100

111 44.1 35.8 53.6

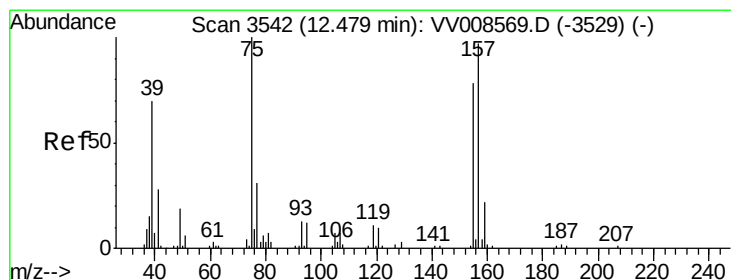
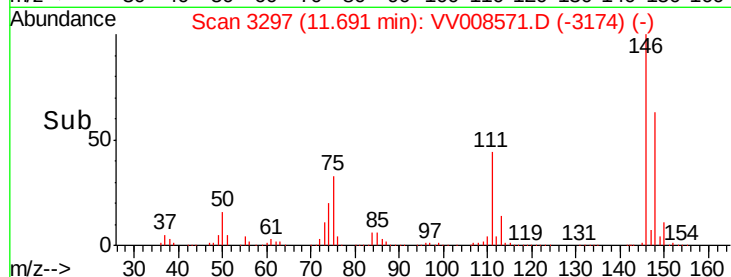
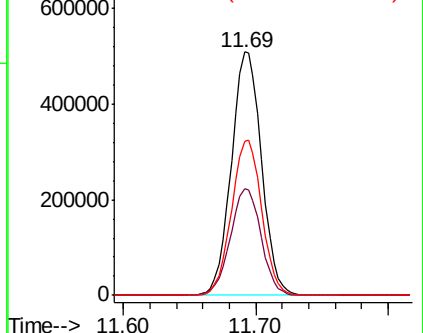
148 63.0 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 189.620 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

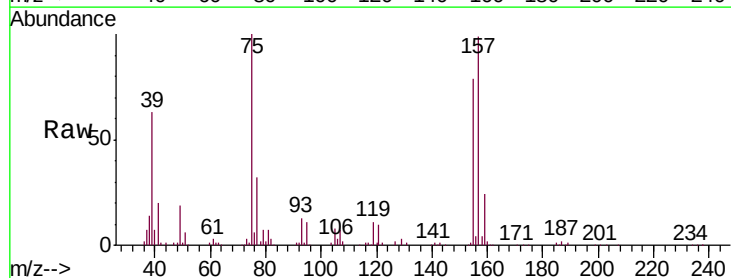
Tgt Ion: 75 Resp: 148879

Ion Ratio Lower Upper

75 100

155 79.0 62.7 94.1

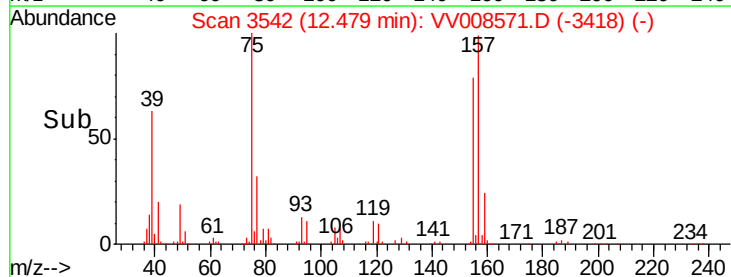
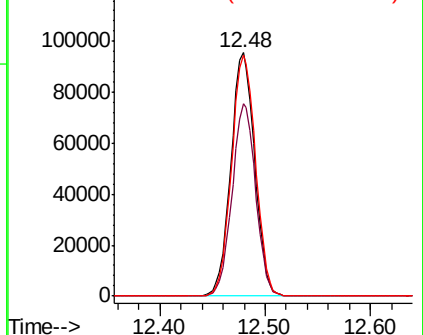
157 98.8 77.4 116.0

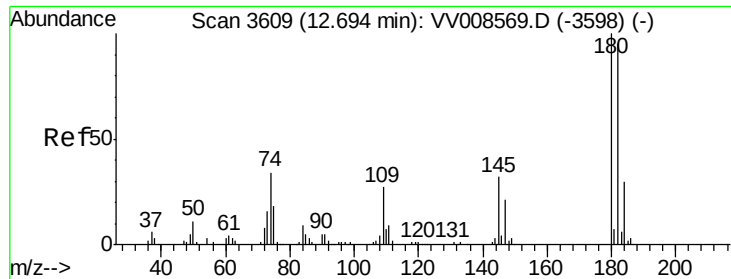


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

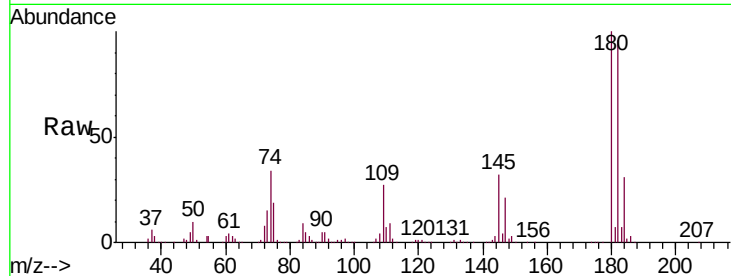




#67
 1,3,5-Trichlorobenzene
 Concen: 203.777 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008571.D
 Acq: 15 Nov 2018 14:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20072

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.7	113.5
184	30.7	24.2	36.4
145	32.0	25.6	38.4



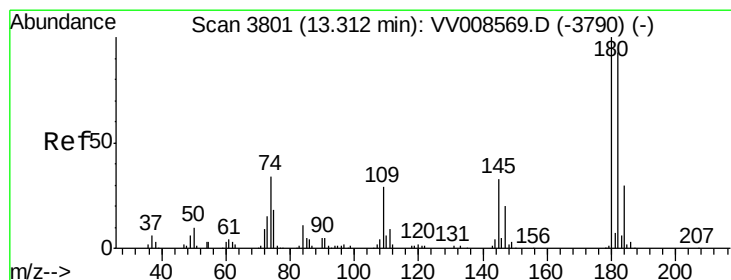
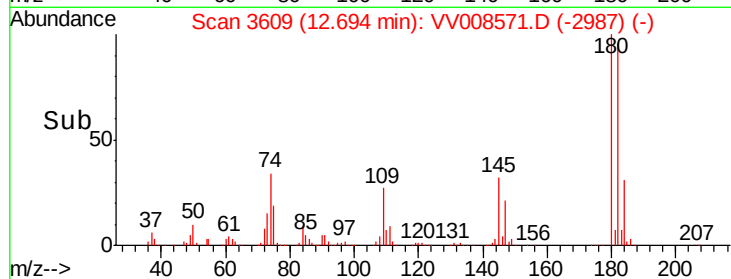
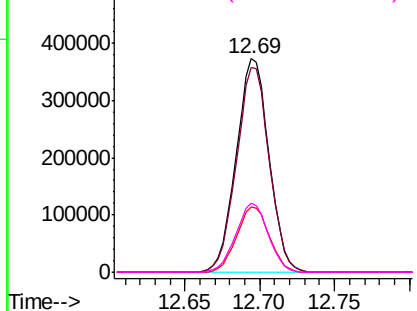
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

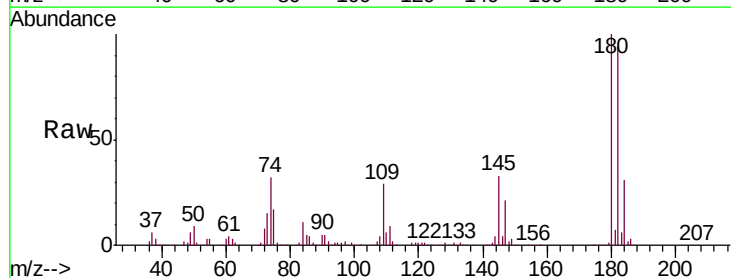
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 229.211 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008571.D
 Acq: 15 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.3	112.9
145	32.6	26.0	39.0

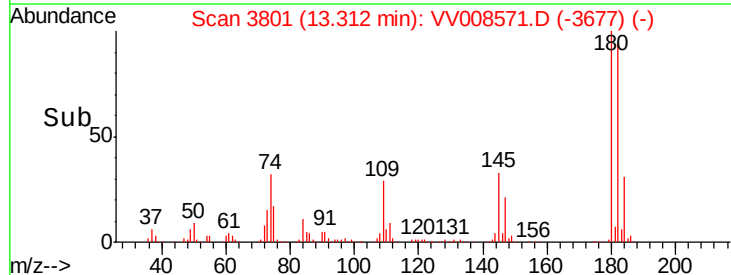
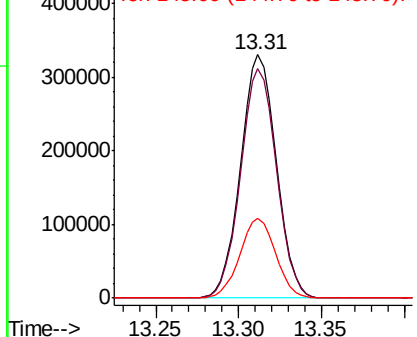


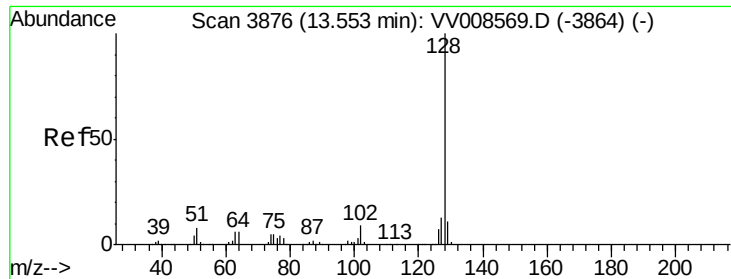
Abundance

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: 239.250 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampled :

VSTD20072

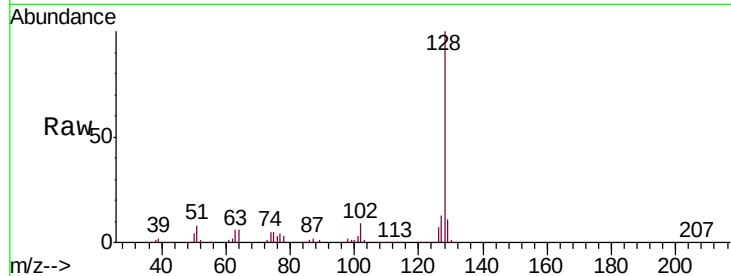
Tgt Ion:128 Resp: 1563877

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

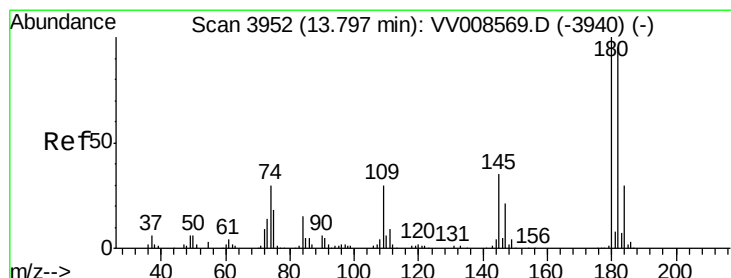
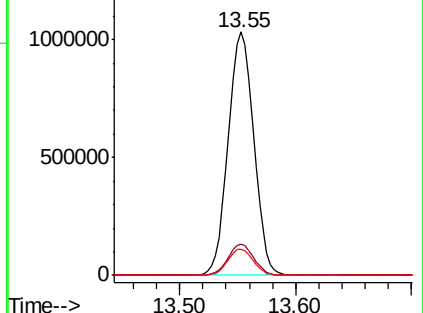
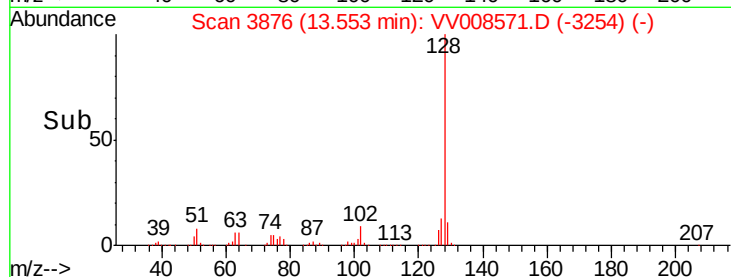
129 10.8 8.8 13.2



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: 223.450 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008571.D

Acq: 15 Nov 2018 14:07

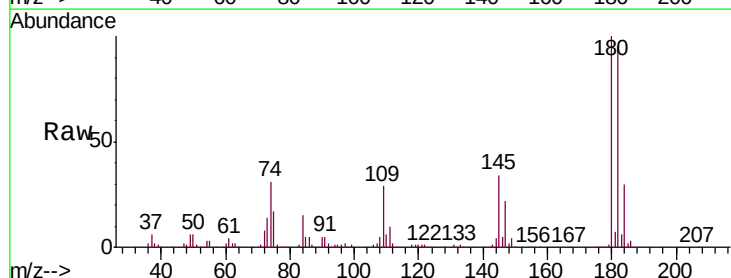
Tgt Ion:180 Resp: 489812

Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

145 34.9 28.0 42.0



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

