

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101420\
 Data File : VV018907.D
 Acq On : 14 Oct 2020 20:42
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Quant Time: Oct 15 02:09:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 15 02:07:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	301150	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	298645	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	158883	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	128755	51.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.88%
7) Chloroethane-d5	1.58	69	101249	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.10%
11) 1,1-Dichloroethene-d2	2.12	63	242503	51.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.64%
21) 2-Butanone-d5	3.91	46	166549	96.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.39%
24) Chloroform-d	4.38	84	234712	52.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.06	65	156324	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.76%
32) Benzene-d6	5.07	84	458199	52.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.12%
36) 1,2-Dichloropropane-d6	6.09	67	145178	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.16%
41) Toluene-d8	7.34	98	425317	54.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.76%
43) trans-1,3-Dichloropropene-	7.64	79	71664	52.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.20%
47) 2-Hexanone-d5	8.11	63	105110	101.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.51%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	172379	52.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	169713	52.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	136379	52.299	ug/L 99
3) Chloromethane	1.25	50	145844	49.592	ug/L 98
5) Vinyl chloride	1.32	62	142787	50.234	ug/L 98
6) Bromomethane	1.53	94	83705	48.266	ug/L 99
8) Chloroethane	1.60	64	86858	50.949	ug/L 100
9) Trichlorofluoromethane	1.77	101	192665	51.353	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	103948	53.208	ug/L 100
12) 1,1-Dichloroethene	2.13	96	99600	50.308	ug/L 92
13) Acetone	2.19	43	107718	85.314	ug/L 99
14) Carbon disulfide	2.31	76	335892	49.798	ug/L 100
15) Methyl Acetate	2.45	43	122330	47.164	ug/L 100
16) Methylene chloride	2.52	84	118055	49.705	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	109044	49.617	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	341318	49.155	ug/L 100
19) 1,1-Dichloroethane	3.21	63	215286	50.353	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	115327	49.512	ug/L 98
22) 2-Butanone	3.99	43	158734	92.463	ug/L 100

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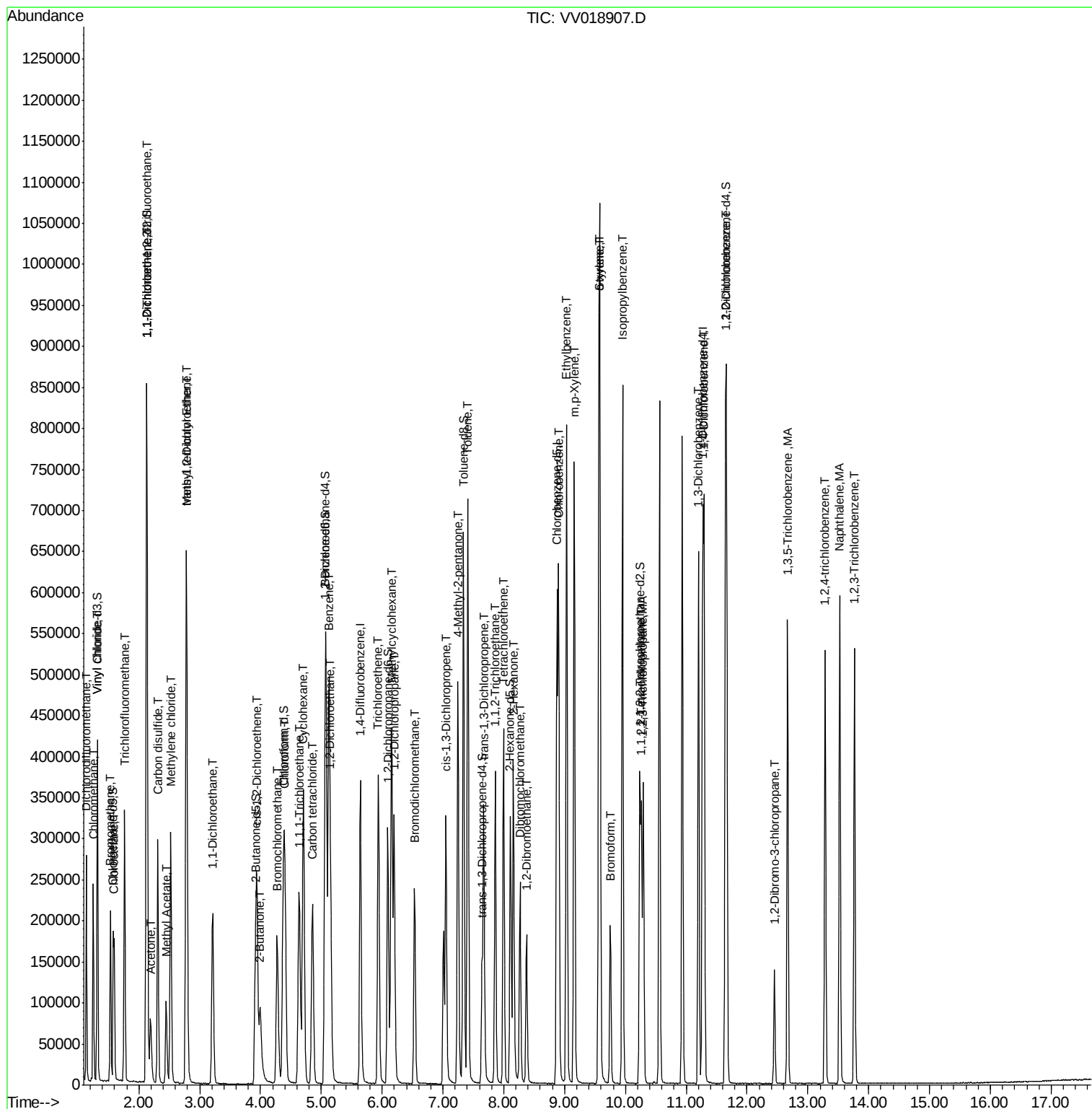
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	60313	50.137	ug/L	98
25) Chloroform	4.40	83	213822	49.733	ug/L	99
27) 1,2-Dichloroethane	5.15	62	173049	49.271	ug/L	99
29) Cyclohexane	4.70	56	194852	54.902	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	185772	50.131	ug/L	99
31) Carbon tetrachloride	4.86	117	160293	50.823	ug/L	100
33) Benzene	5.13	78	466266	50.932	ug/L	100
34) Trichloroethene	5.94	95	126854	48.051	ug/L	98
35) Methylcyclohexane	6.16	83	168003	52.544	ug/L	100
37) 1,2-Dichloropropane	6.20	63	122247	49.882	ug/L	99
38) Bromodichloromethane	6.53	83	157181	50.025	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	189512	51.463	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	326476	96.600	ug/L	99
42) Toluene	7.41	91	498080	52.677	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	183878	51.527	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	111220	48.789	ug/L	99
46) Tetrachloroethene	8.00	164	93258	50.124	ug/L	99
48) 2-Hexanone	8.16	43	258181	96.348	ug/L	98
49) Dibromochloromethane	8.27	129	121524	50.354	ug/L	97
50) 1,2-Dibromoethane	8.37	107	116447	49.015	ug/L	99
51) Chlorobenzene	8.90	112	308009	49.965	ug/L	99
52) Ethylbenzene	9.03	91	536949	52.459	ug/L	100
53) m,p-Xylene	9.16	106	199760	52.385	ug/L	98
54) o-xylene	9.56	106	193689	53.091	ug/L	100
55) Styrene	9.58	104	344336	53.660	ug/L	99
56) Isopropylbenzene	9.95	105	515162	53.788	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	152823	49.372	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	142109	47.905	ug/L	99
61) Bromoform	9.75	173	83442	48.076	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	249877	50.731	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	253738	48.999	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	247516	49.808	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33596	45.366	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	166966	50.463	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	152458	50.006	ug/L	100
69) Naphthalene	13.52	128	430010	49.699	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	157423	51.656	ug/L	99

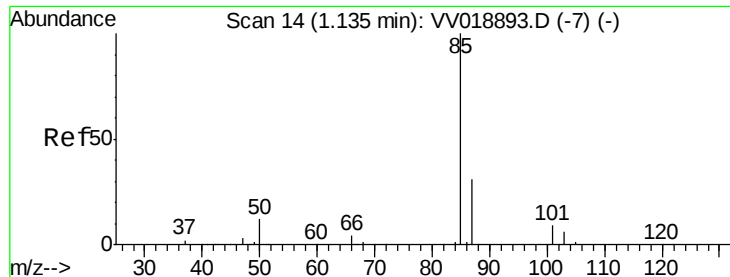
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 52.299 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

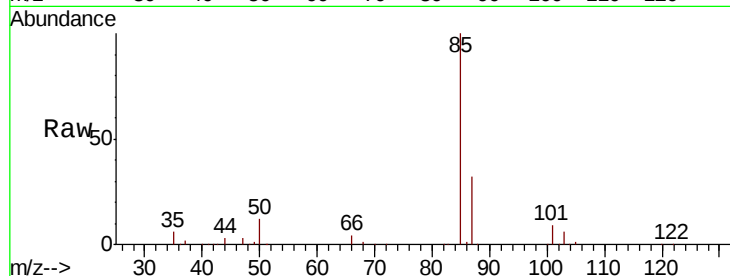
VSTD05089

Tot Ion: 85 Resp: 136379

Ion Ratio Lower Upper

85 100

87 31.9 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV018893.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018893.D (-7) (-)

1.14

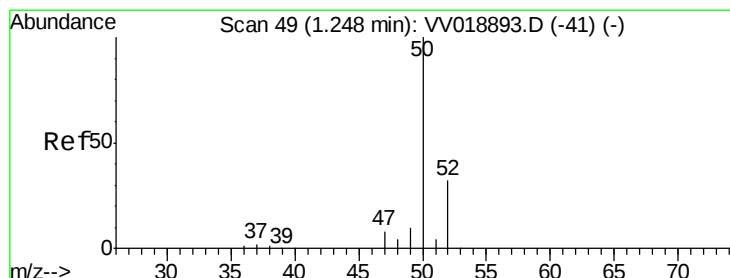
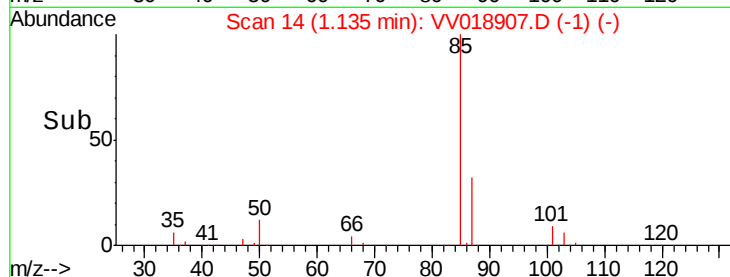
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.592 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018907.D

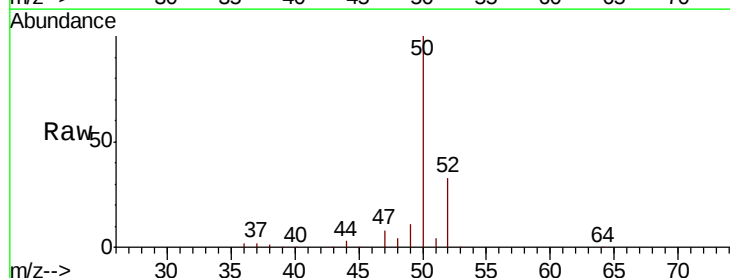
Acq: 14 Oct 2020 20:42

Tgt Ion: 50 Resp: 145844

Ion Ratio Lower Upper

50 100

52 33.1 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV018893.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV018893.D (-41) (-)

1.25

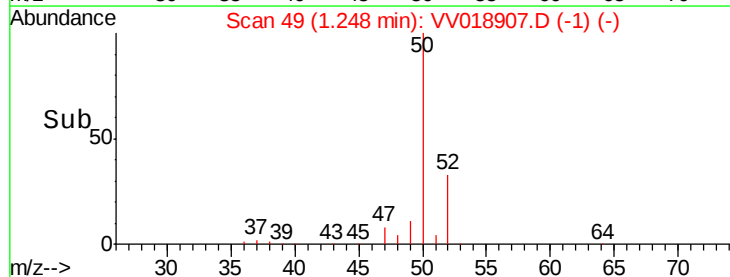
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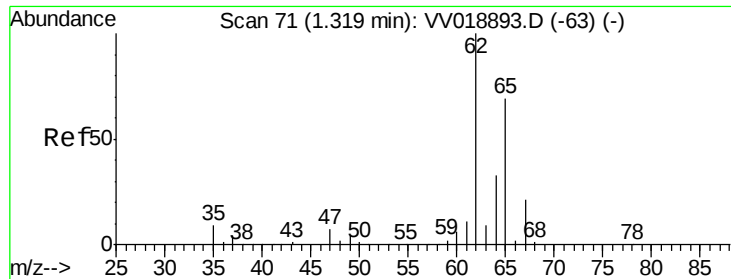
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.234 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

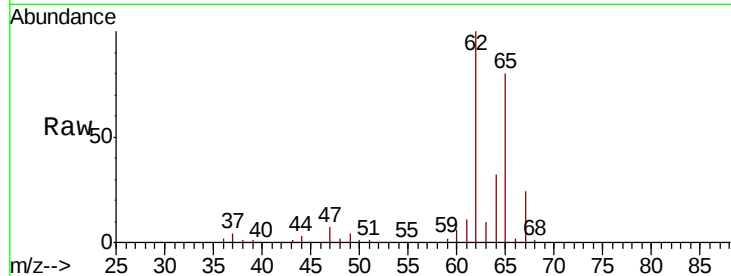
VSTD05089

Tot Ion: 62 Resp: 142787

Ion Ratio Lower Upper

62 100

64 32.1 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

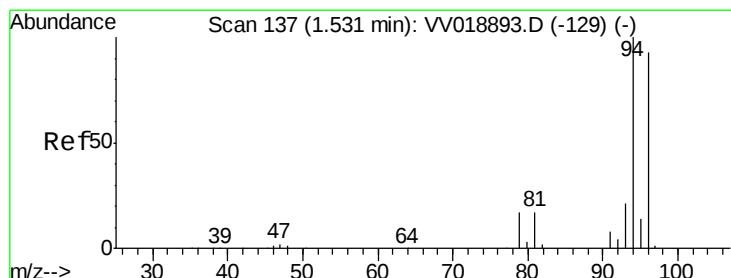
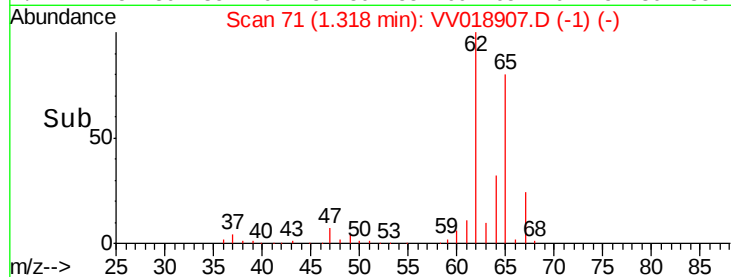
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 48.266 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018907.D

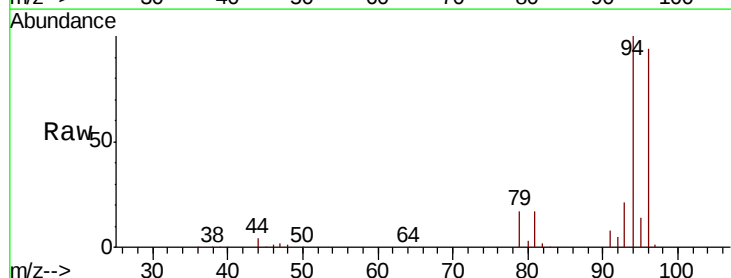
Acq: 14 Oct 2020 20:42

Tgt Ion: 94 Resp: 83705

Ion Ratio Lower Upper

94 100

96 94.2 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

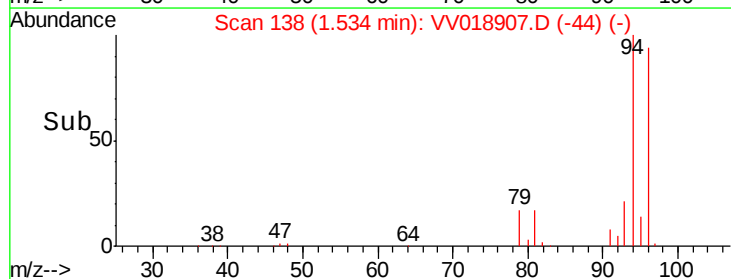
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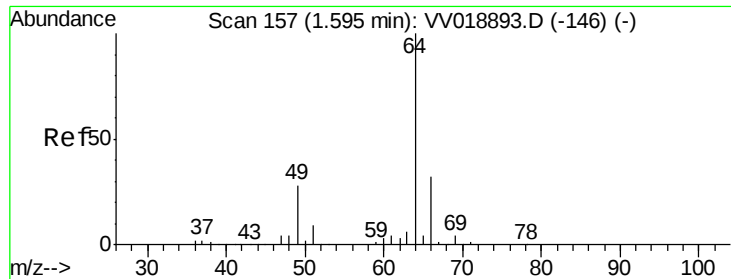
40000

20000

0

Time-->





#8

Chloroethane

Concen: 50.949 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

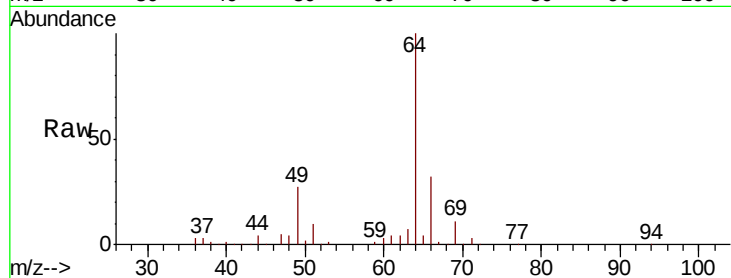
VSTD05089

Tot Ion: 64 Resp: 86858

Ion Ratio Lower Upper

64 100

66 32.1 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV018893.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV018893.D (-146) (-)

1.60

80000

60000

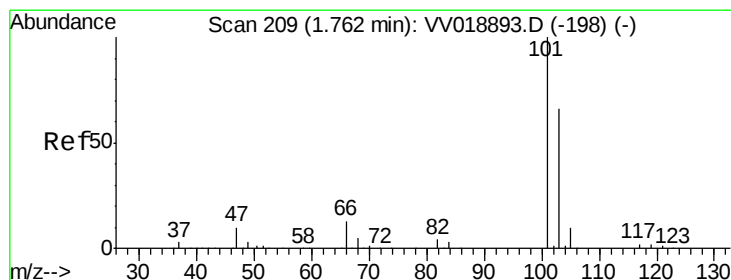
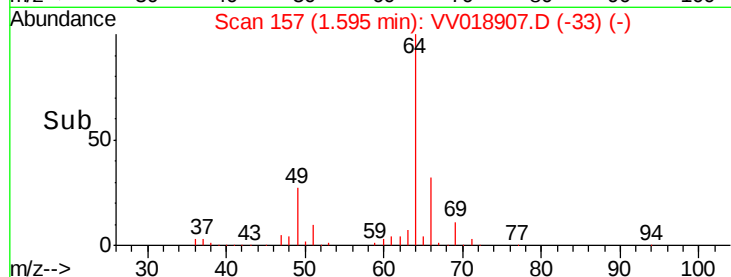
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 51.353 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018907.D

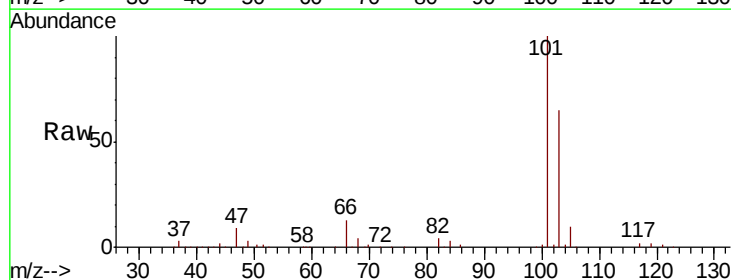
Acq: 14 Oct 2020 20:42

Tgt Ion: 101 Resp: 192665

Ion Ratio Lower Upper

101 100

103 64.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018893.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV018893.D (-198) (-)

1.77

150000

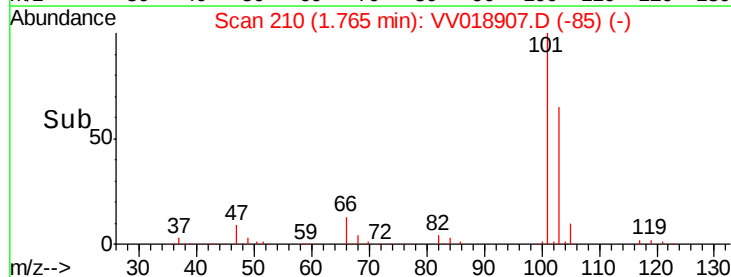
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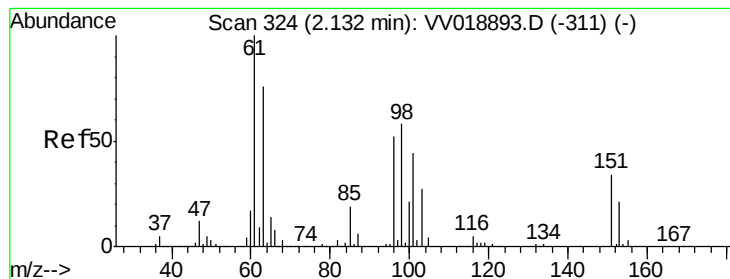
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 53.208 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

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ClientSampleId :

VSTD05089

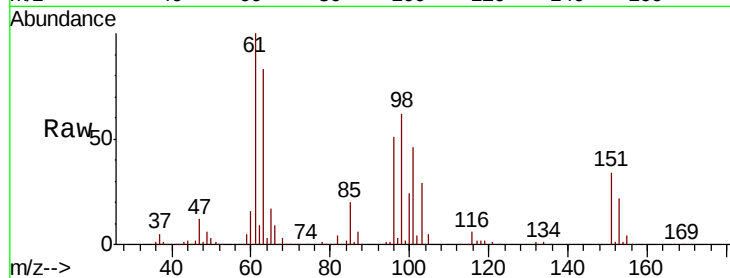
Tot Ion:101 Resp: 103948

Ion Ratio Lower Upper

101 100

85 43.4 35.0 52.4

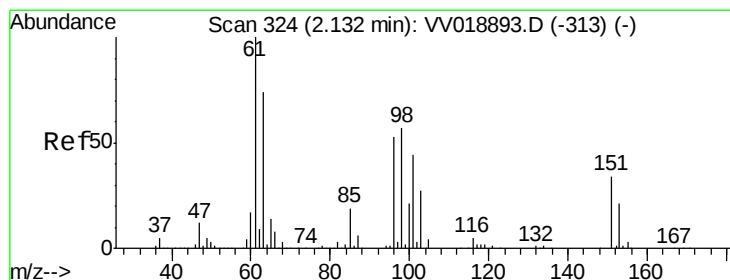
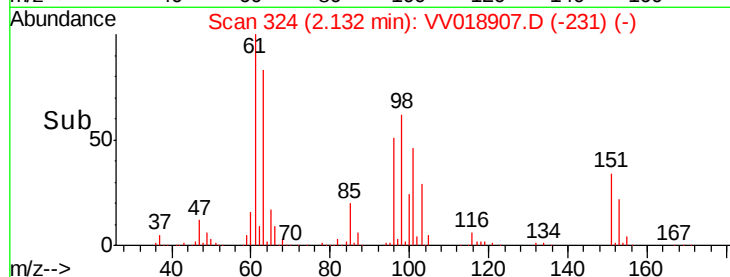
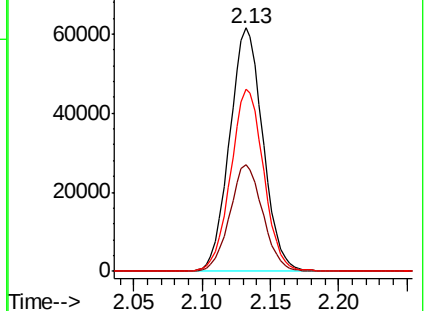
151 74.5 59.7 89.5



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: 50.308 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

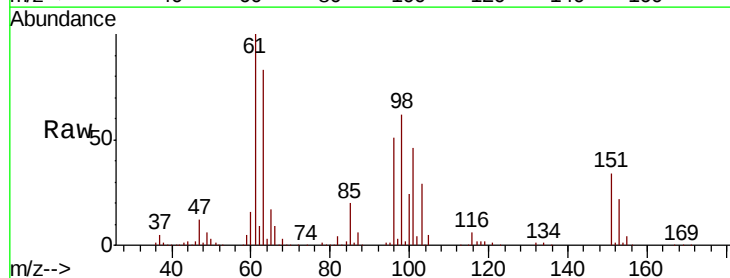
Tgt Ion: 96 Resp: 99600

Ion Ratio Lower Upper

96 100

61 197.0 133.5 247.9

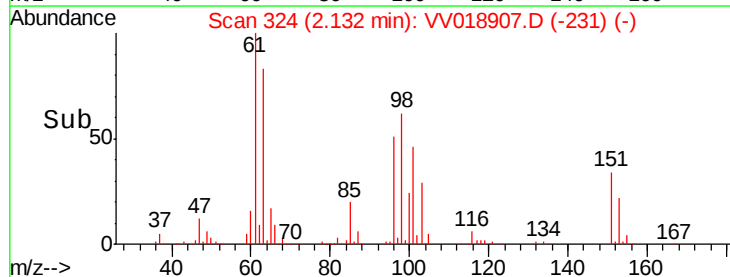
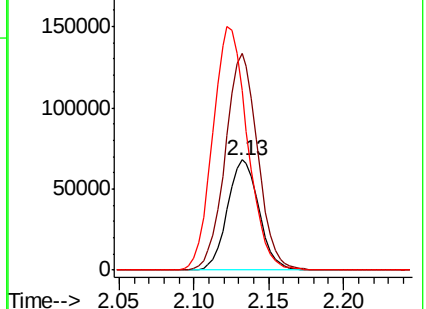
63 163.4 102.1 189.7

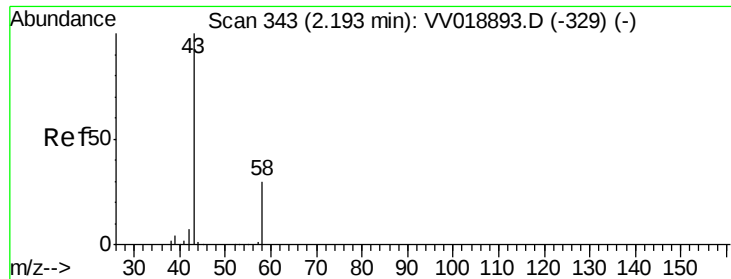


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 85.314 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV018907.D

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ClientSampled :

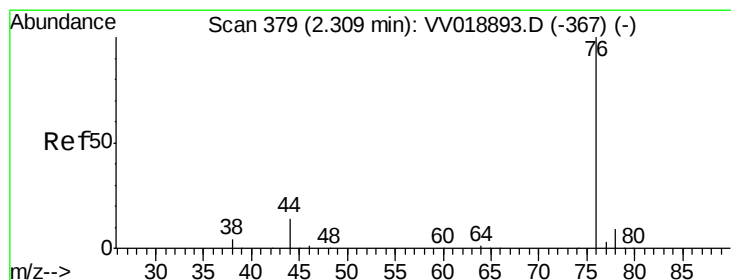
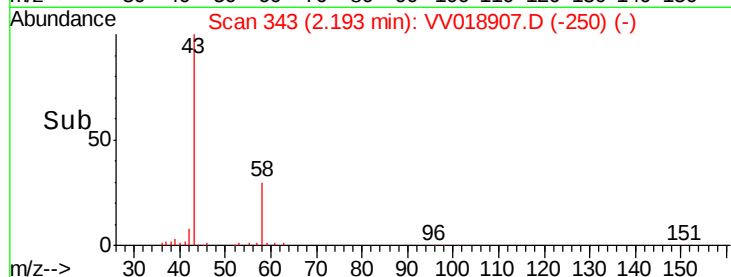
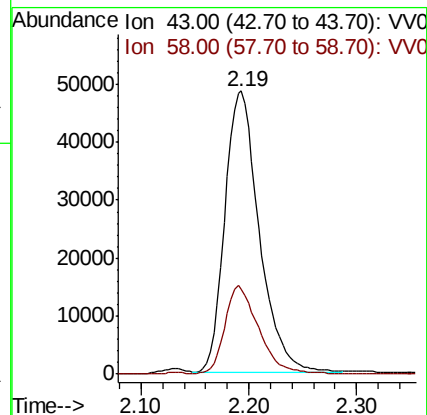
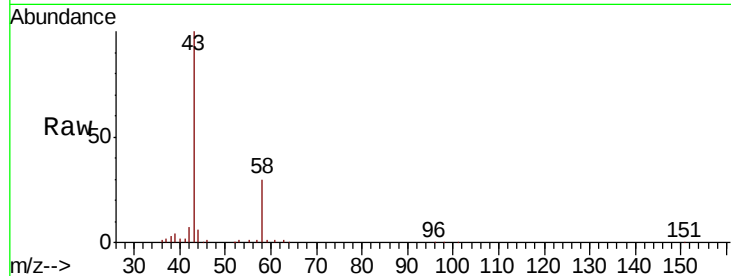
VSTD05089

Tot Ion: 43 Resp: 107718

Ion Ratio Lower Upper

43 100

58 29.9 0.0 58.8



#14

Carbon disulfide

Concen: 49.798 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018907.D

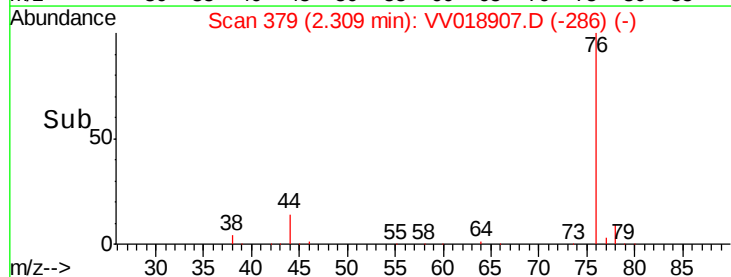
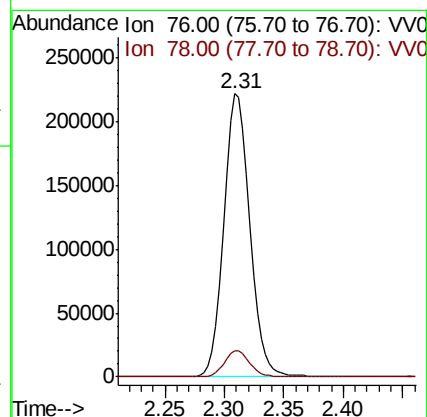
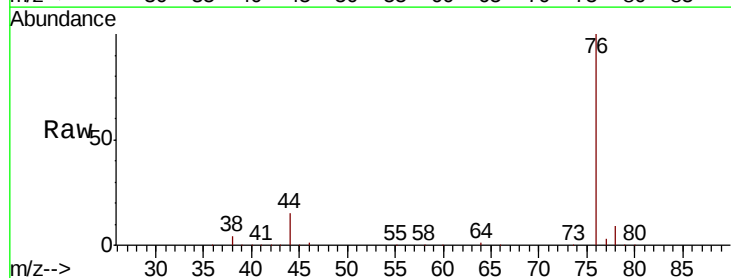
Acq: 14 Oct 2020 20:42

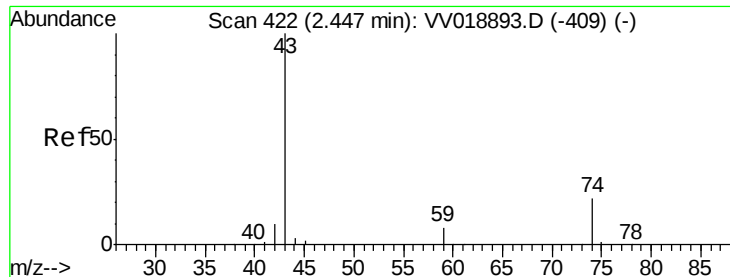
Tgt Ion: 76 Resp: 335892

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

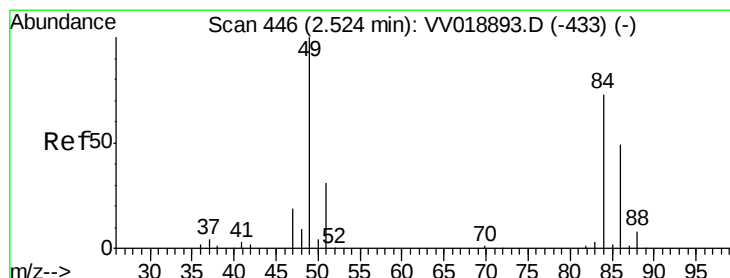
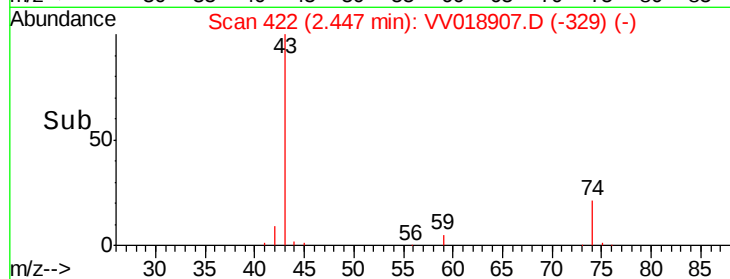
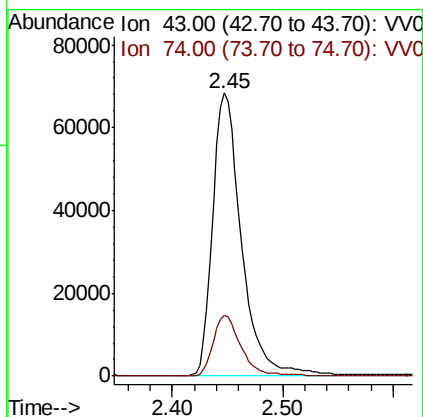
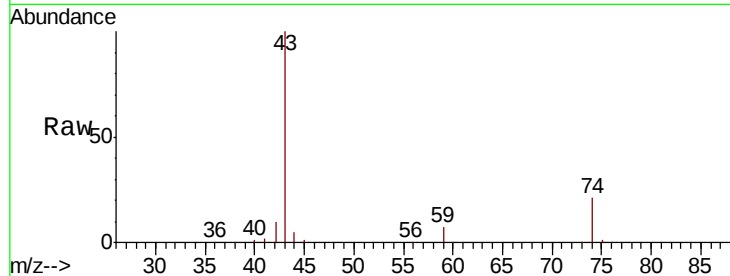




#15
Methvl Acetate
Concen: 47.164 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

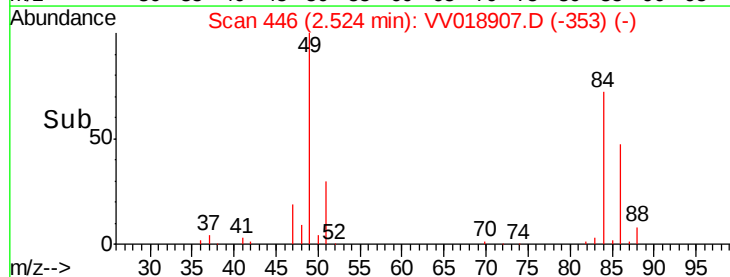
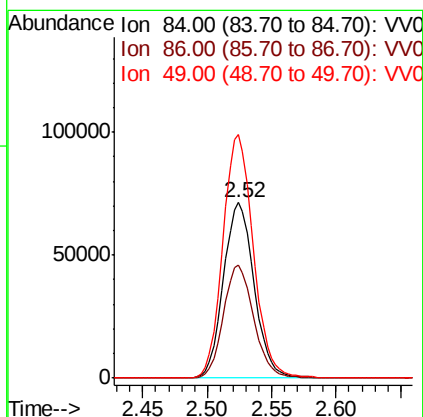
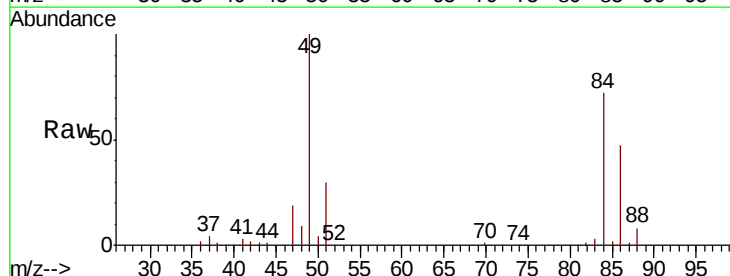
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

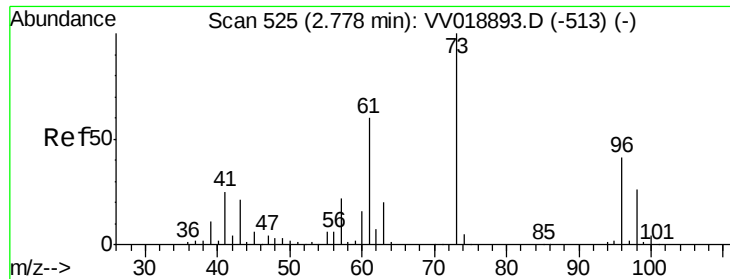
Tot Ion: 43 Resp: 122330
Ion Ratio Lower Upper
43 100
74 21.1 17.0 25.6



#16
Methylene chloride
Concen: 49.705 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

Tgt Ion: 84 Resp: 118055
Ion Ratio Lower Upper
84 100
86 64.7 46.6 86.6
49 138.8 96.1 178.5

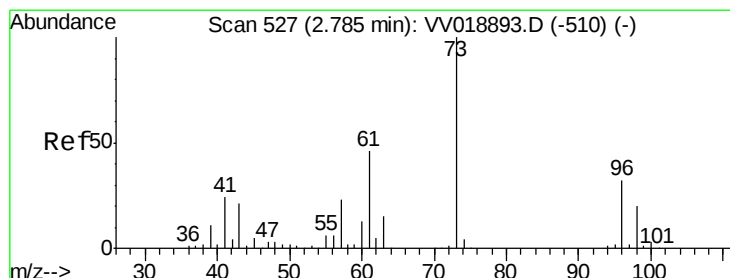
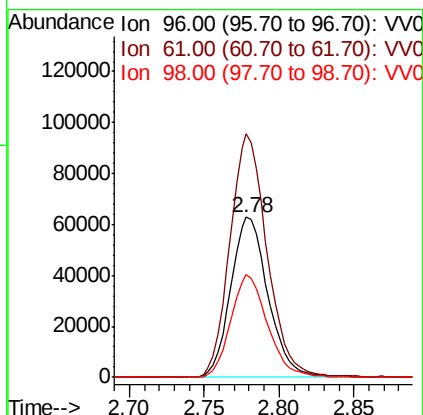
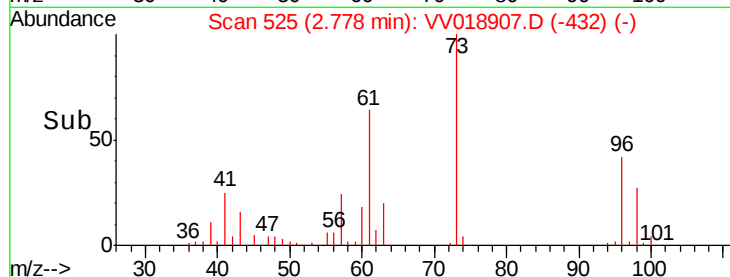
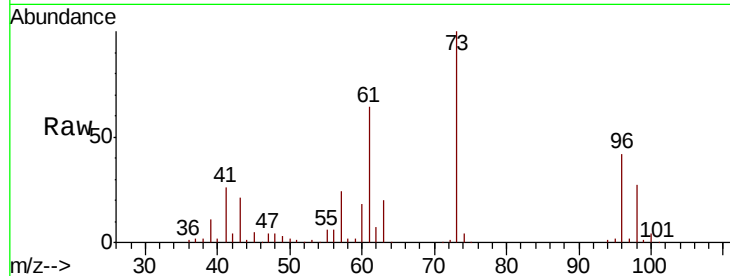




#17
trans-1,2-Dichloroethene
Concen: 49.617 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

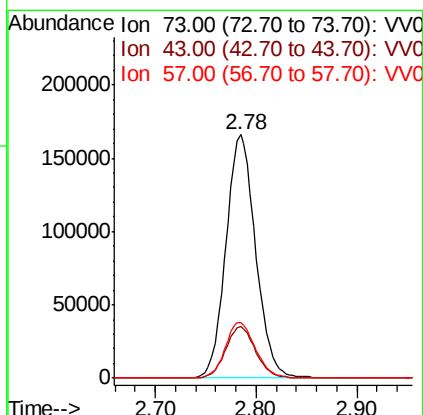
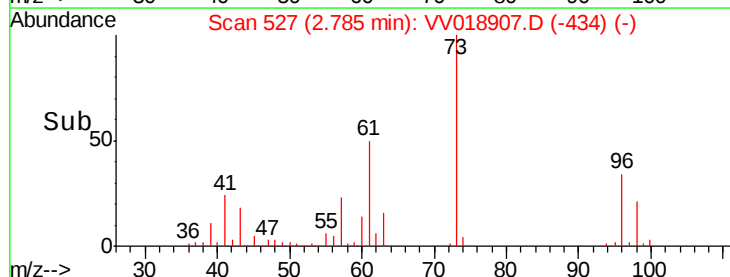
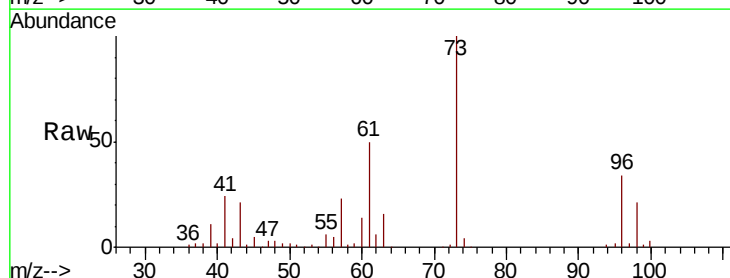
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

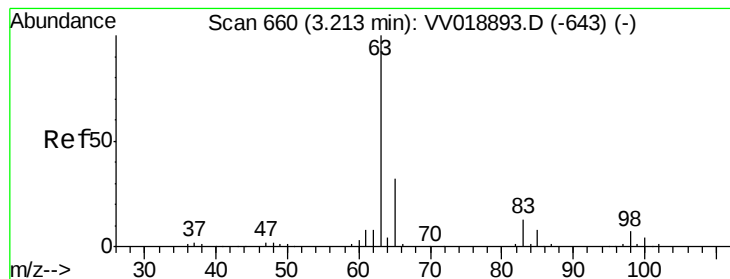
Tot Ion: 96 Resp: 109044
Ion Ratio Lower Upper
96 100
61 152.1 102.8 190.8
98 63.9 44.0 81.6



#18
Methyl tert-butyl Ether
Concen: 49.155 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

Tgt Ion: 73 Resp: 341318
Ion Ratio Lower Upper
73 100
43 21.0 16.9 25.3
57 23.2 18.3 27.5





#19

1,1-Dichloroethane

Concen: 50.353 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

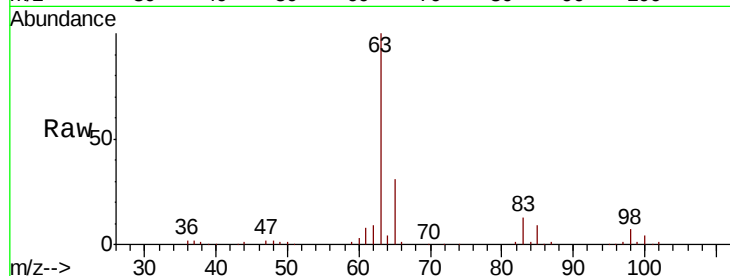
Tot Ion: 63 Resp: 215286

Ion Ratio Lower Upper

63 100

65 31.4 22.5 41.9

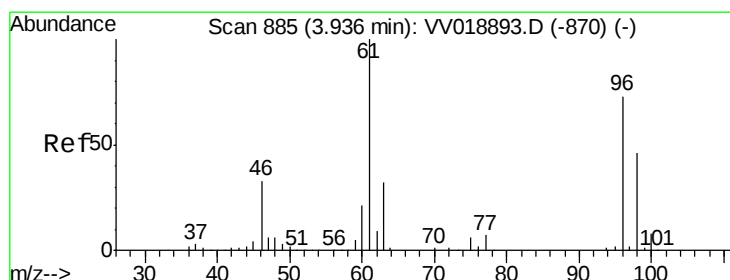
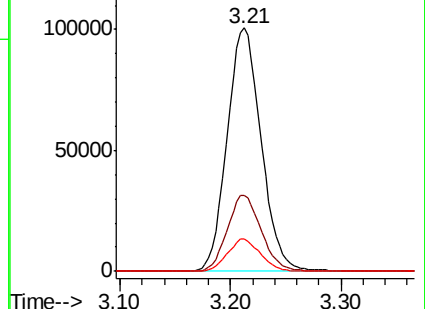
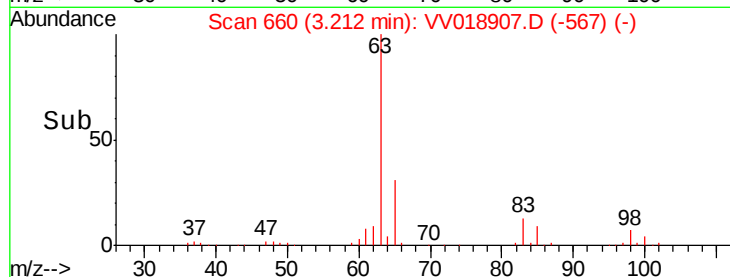
83 13.3 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV018893.D (-643) (-)

Ion 65.00 (64.70 to 65.70): VV018893.D (-643) (-)

Ion 83.00 (82.70 to 83.70): VV018893.D (-643) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.512 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

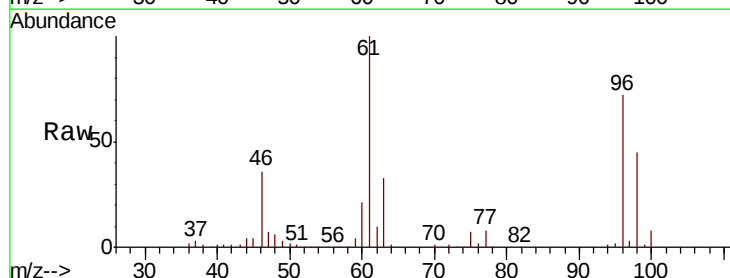
Tgt Ion: 96 Resp: 115327

Ion Ratio Lower Upper

96 100

61 139.4 96.1 178.5

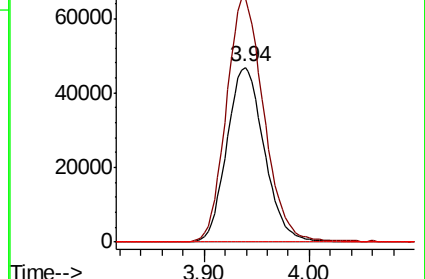
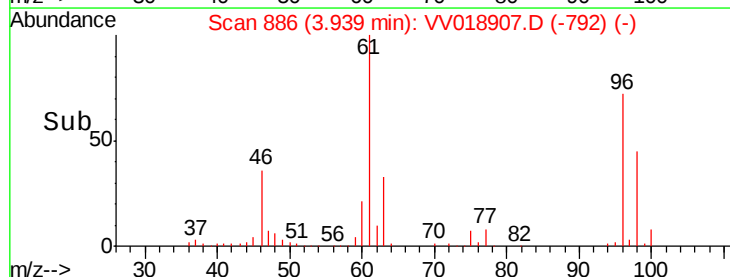
68 0.0 0.0 0.0

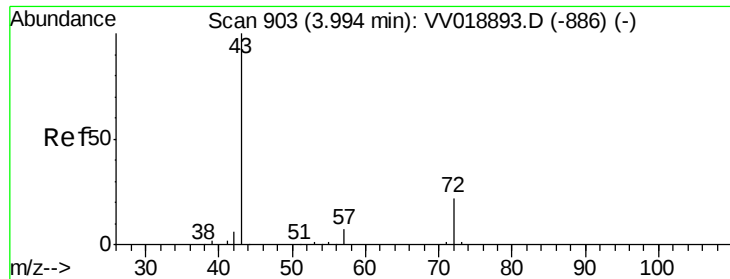


Abundance Ion 96.00 (95.70 to 96.70): VV018893.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV018893.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV018893.D (-870) (-)





#22

2-Butanone

Concen: 92.463 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

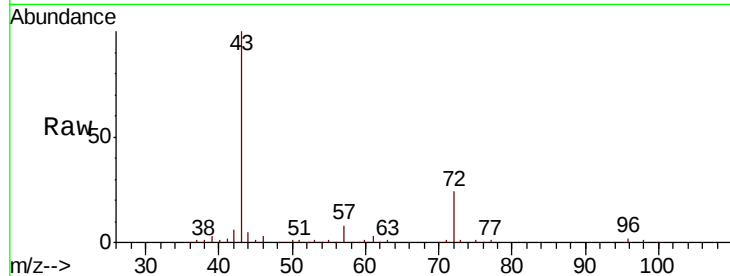
VSTD05089

Tot Ion: 43 Resp: 158734

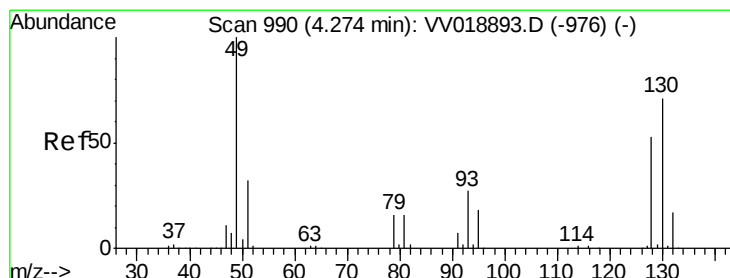
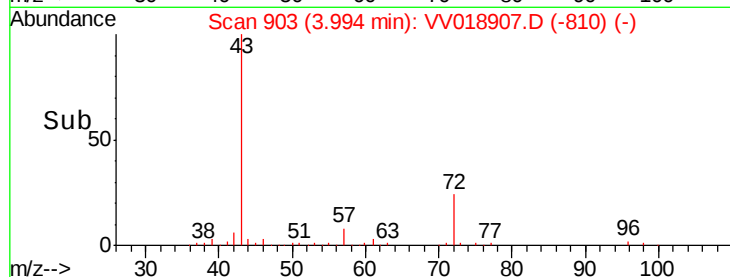
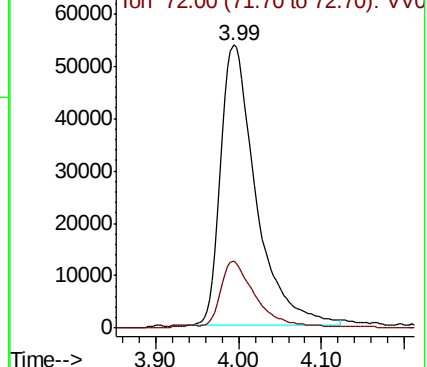
Ion Ratio Lower Upper

43 100

72 22.1 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018893.D (-886) (-)



#23

Bromochloromethane

Concen: 50.137 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Tgt Ion: 128 Resp: 60313

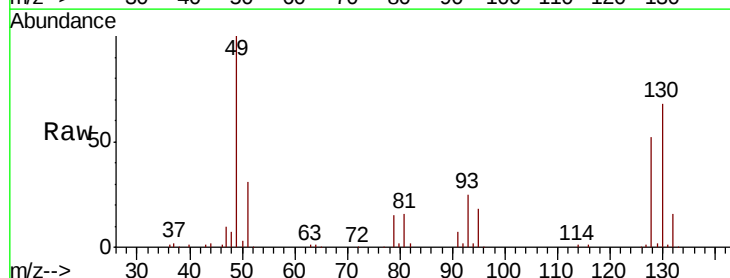
Ion Ratio Lower Upper

128 100

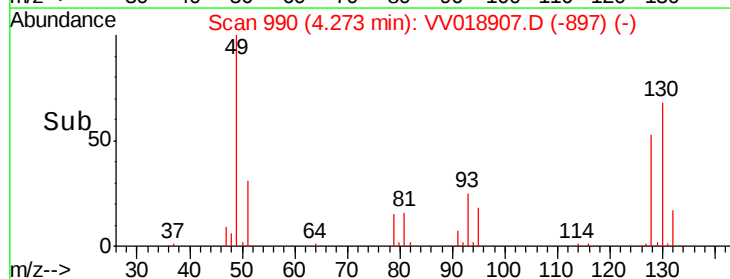
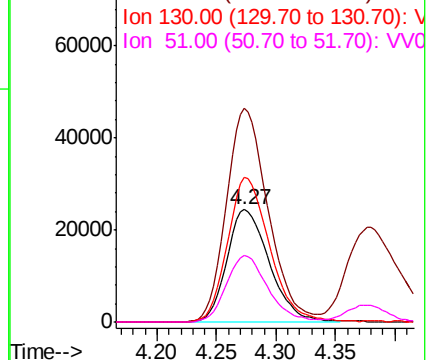
49 190.6 131.7 244.7

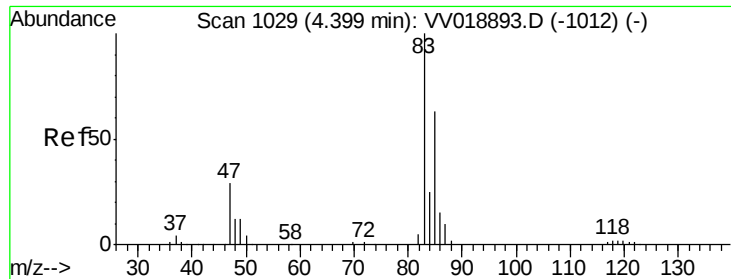
130 128.8 92.8 172.4

51 59.1 47.8 71.6



Abundance Ion 128.00 (127.70 to 128.70): VV018893.D (-976) (-)

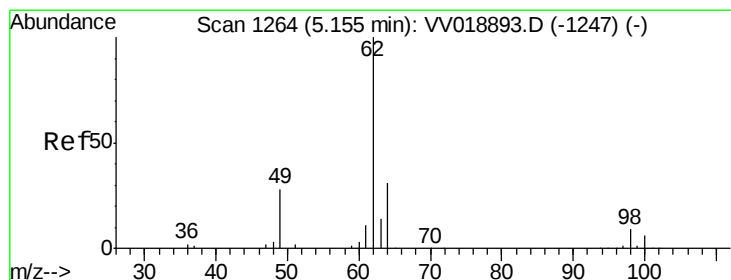
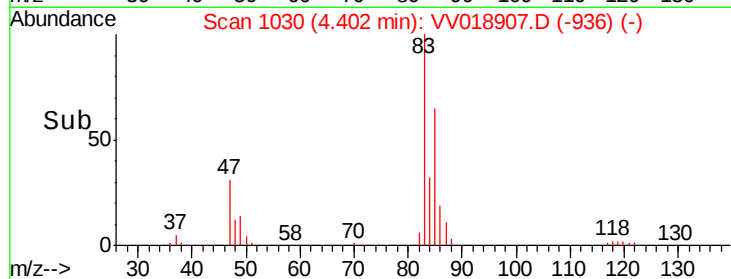
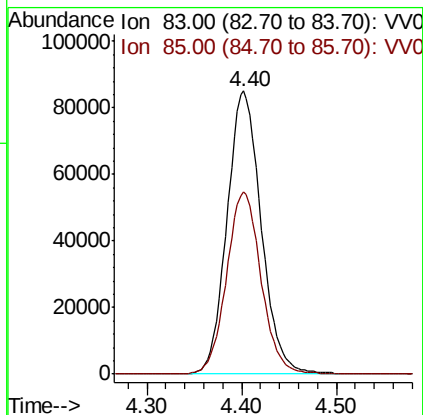
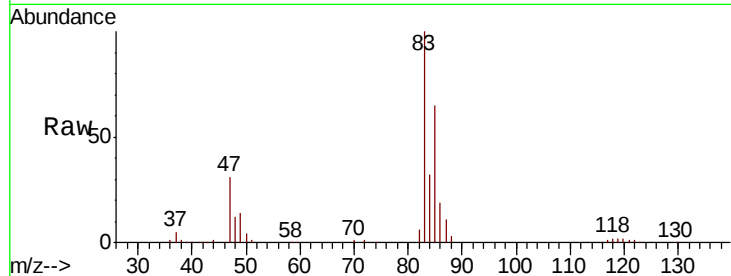




#25
Chloroform
Concen: 49.733 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

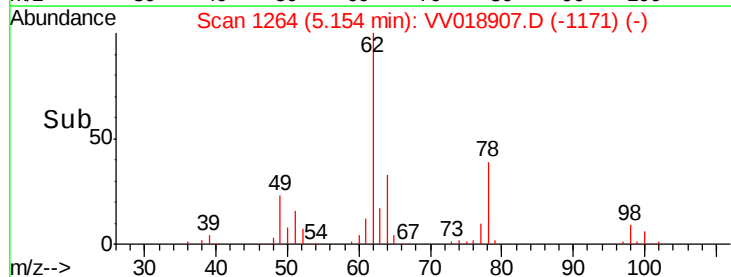
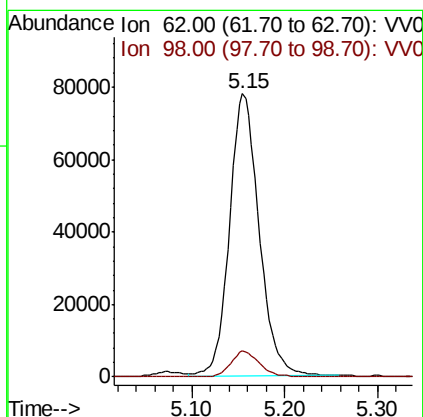
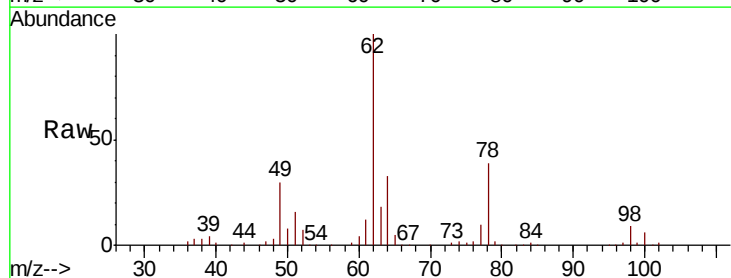
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

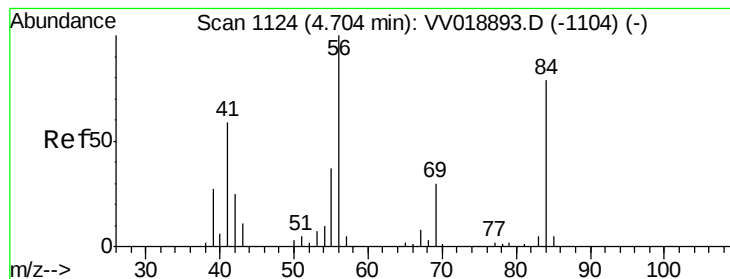
Tot Ion: 83 Resp: 213822
Ion Ratio Lower Upper
83 100
85 64.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 49.271 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

Tgt Ion: 62 Resp: 173049
Ion Ratio Lower Upper
62 100
98 9.1 7.0 10.6





#29

Cyclohexane

Concen: 54.902 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleID :

VSTD05089

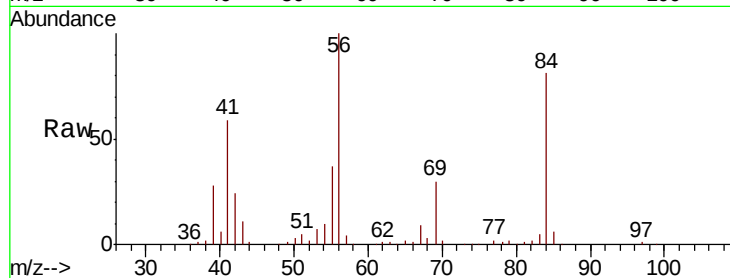
Tot Ion: 56 Resp: 194852

Ion Ratio Lower Upper

56 100

69 29.1 23.5 35.3

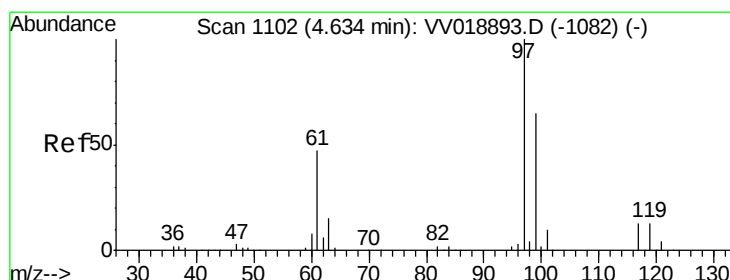
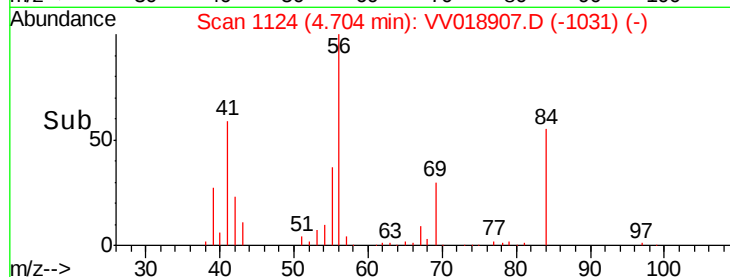
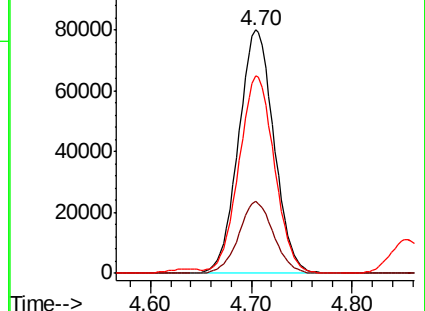
84 81.5 64.7 97.1



Abundance Ion 56.00 (55.70 to 56.70): VV018893.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018893.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018893.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 50.131 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

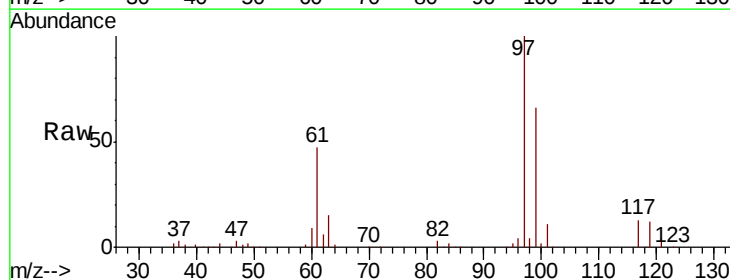
Tgt Ion: 97 Resp: 185772

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

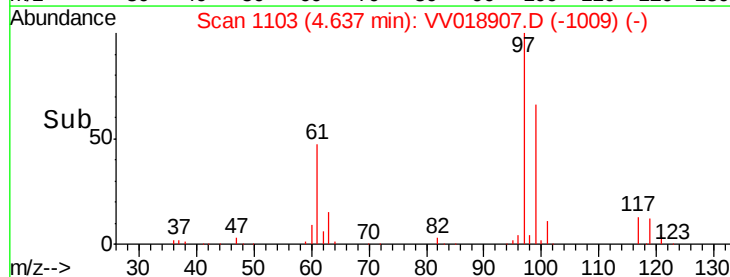
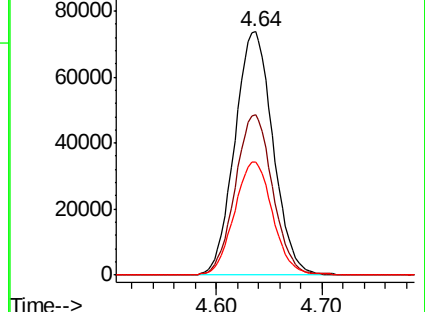
61 46.6 37.5 56.3

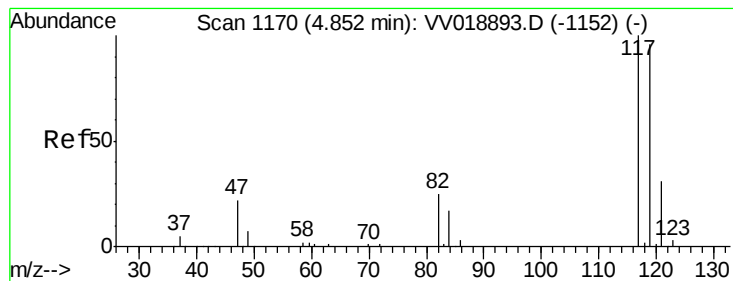


Abundance Ion 97.00 (96.70 to 97.70): VV018893.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV018893.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV018893.D (-1082) (-)





#31

Carbon tetrachloride

Concen: 50.823 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

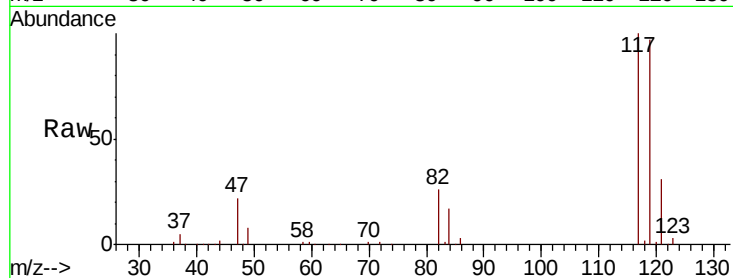
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

Tot Ion:117 Resp: 160293

Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

80000

60000

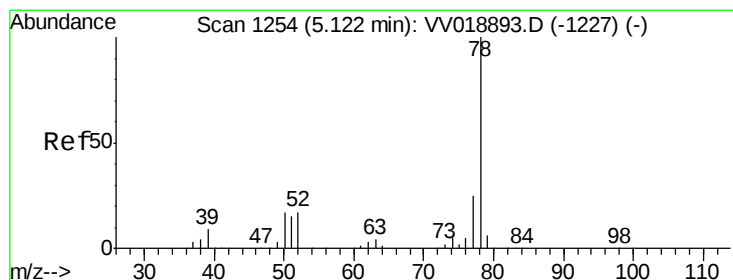
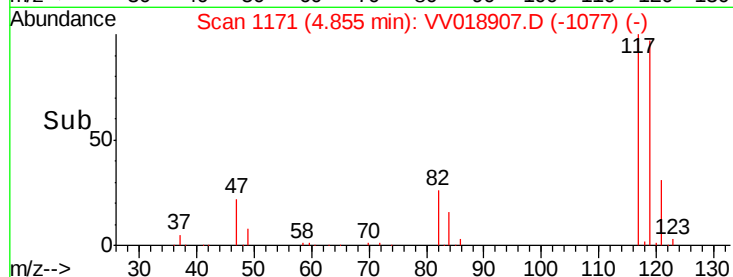
40000

20000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 50.932 ug/L

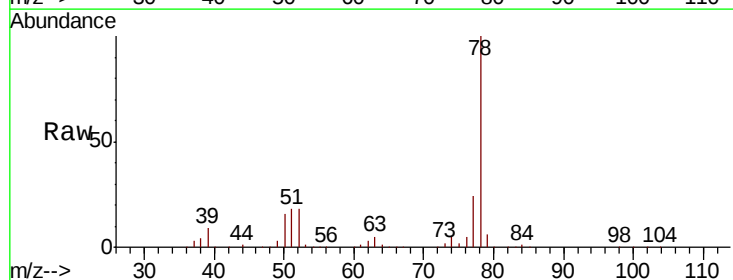
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Tgt Ion: 78 Resp: 466266



Abundance Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

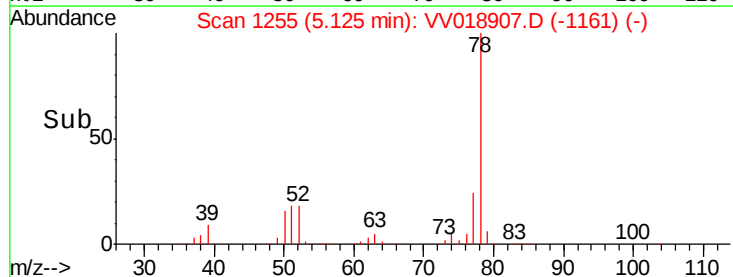
100000

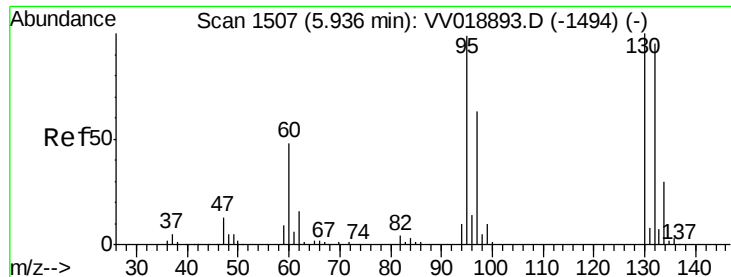
50000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 48.051 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

Tot Ion: 95 Resp: 126854

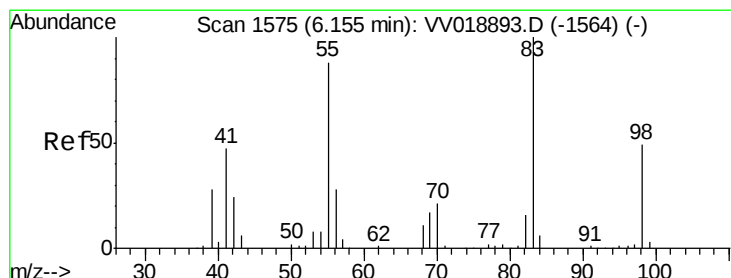
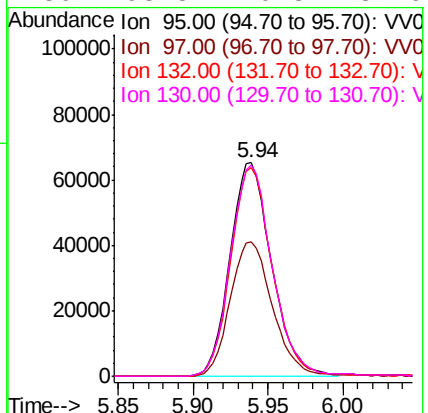
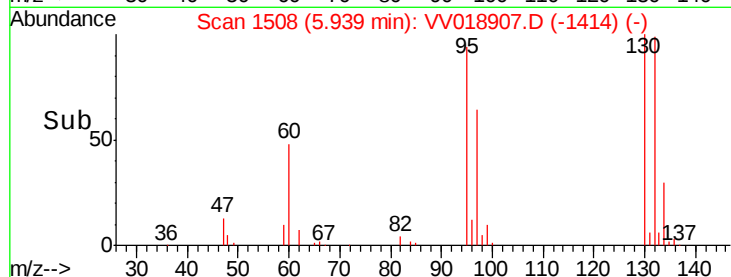
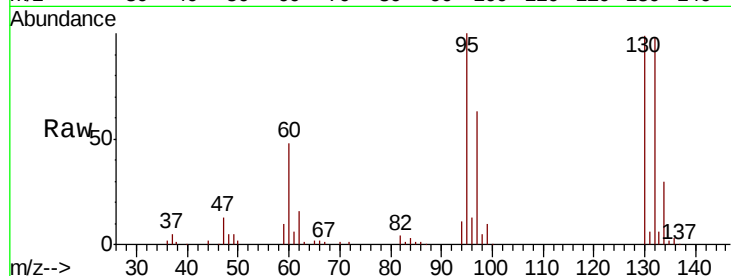
Ion Ratio Lower Upper

95 100

97 63.0 44.7 82.9

132 97.9 67.0 124.4

130 98.8 70.8 131.6



#35

Methylcyclohexane

Concen: 52.544 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

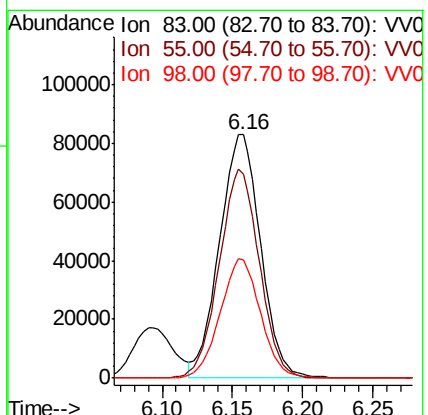
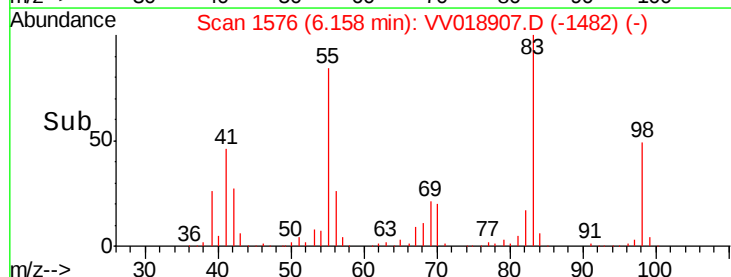
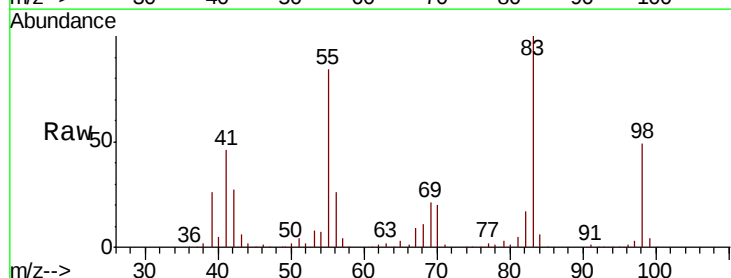
Tgt Ion: 83 Resp: 168003

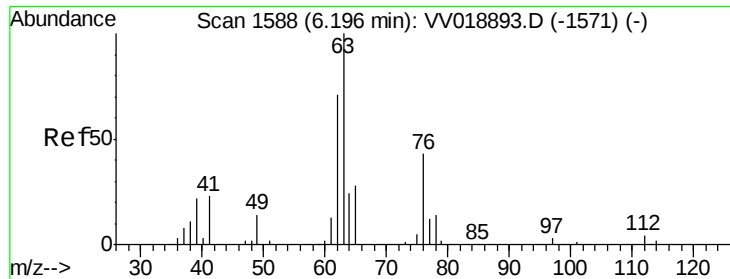
Ion Ratio Lower Upper

83 100

55 84.2 67.3 100.9

98 48.0 37.9 56.9

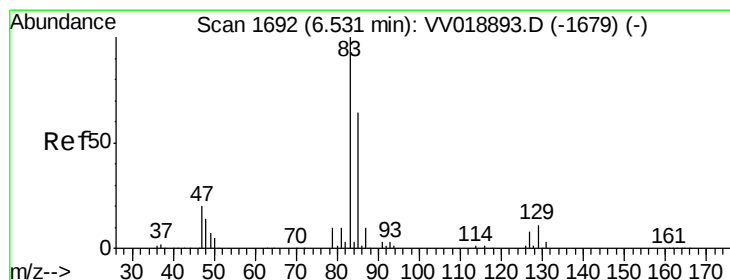
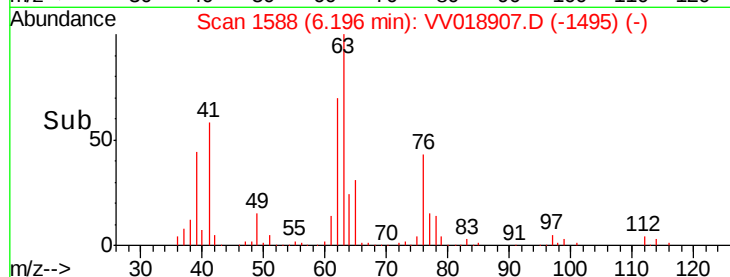
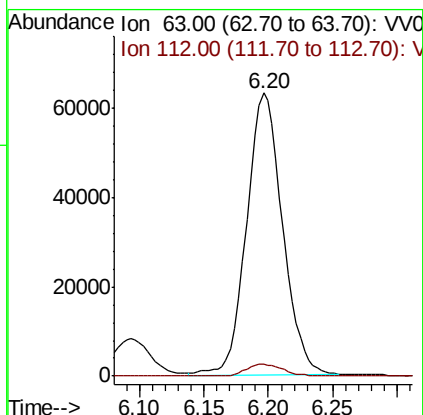
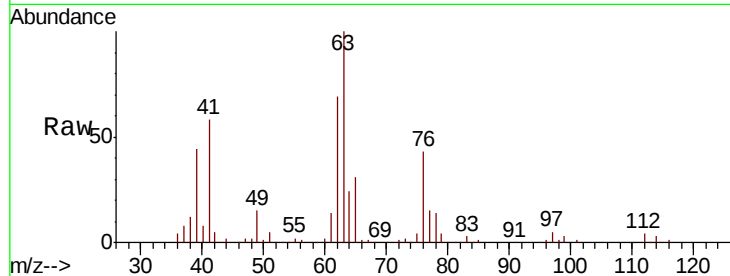




#37
 1,2-Dichloropropane
 Concen: 49.882 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018907.D
 Acq: 14 Oct 2020 20:42

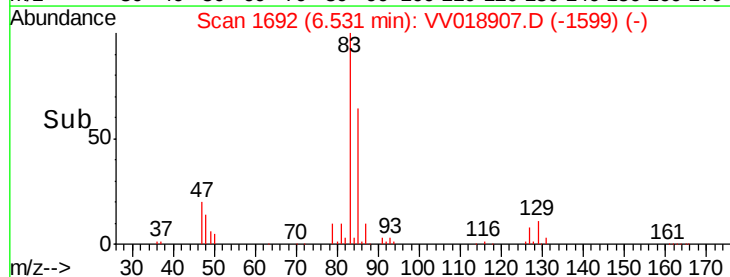
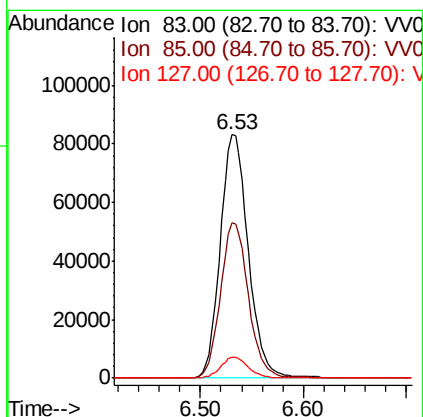
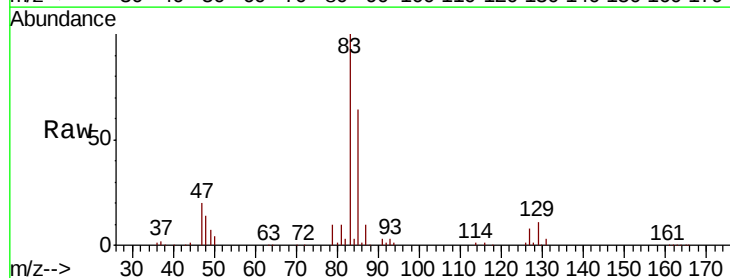
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

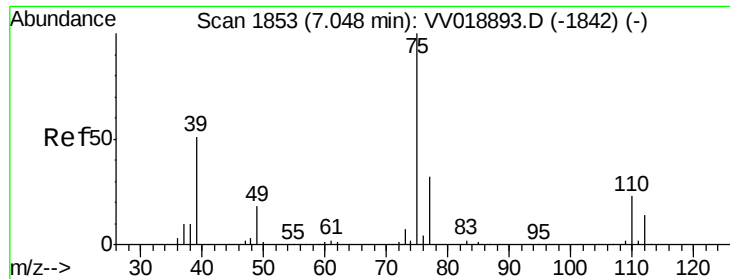
Tot Ion: 63 Resp: 122247
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 50.025 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018907.D
 Acq: 14 Oct 2020 20:42

Tgt Ion: 83 Resp: 157181
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.7 83.1
 127 8.4 6.6 9.8

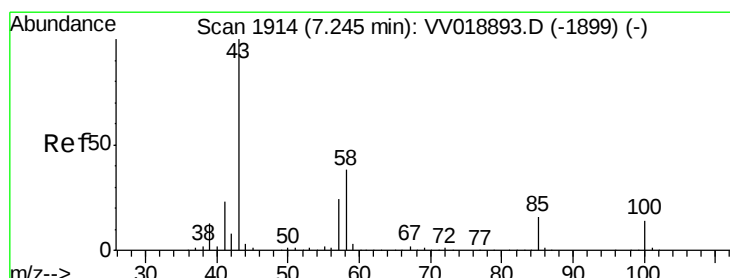
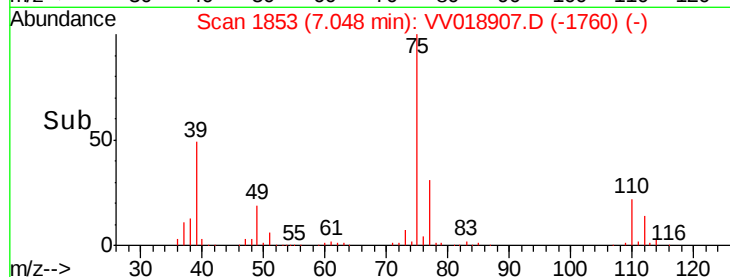
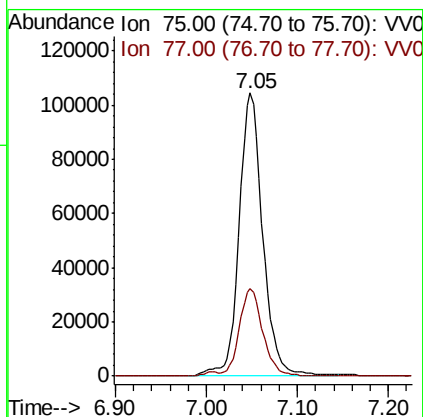
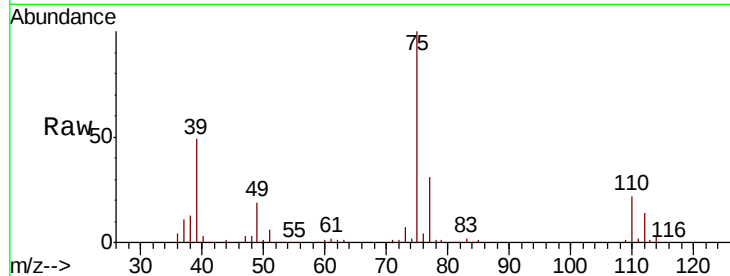




#39
 cis-1,3-Dichloropropene
 Concen: 51.463 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018907.D
 Acq: 14 Oct 2020 20:42

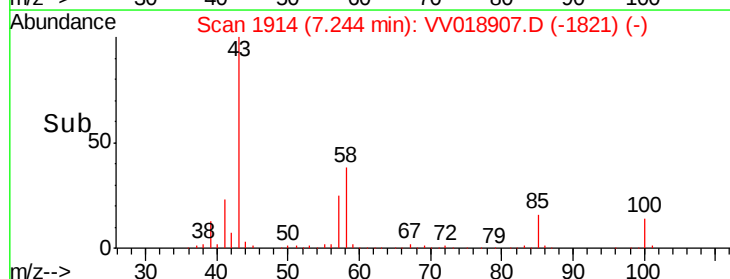
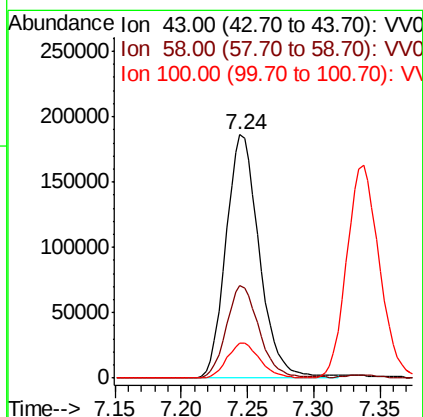
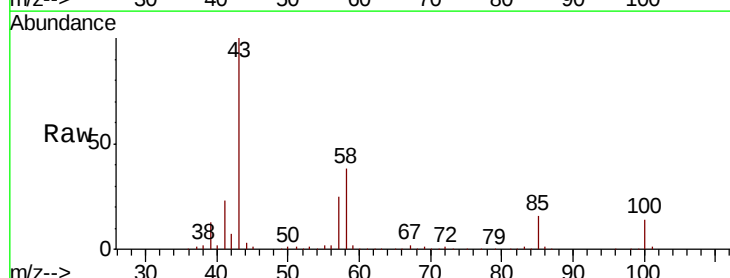
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

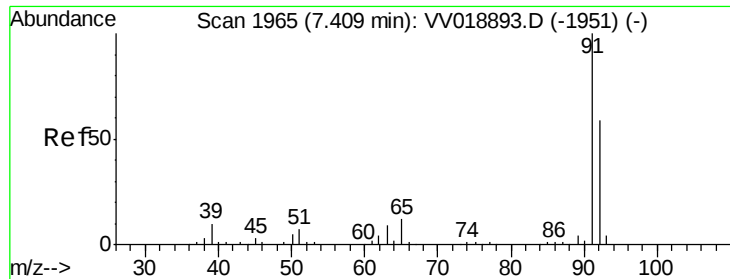
Tot Ion: 75 Resp: 189512
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 96.600 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018907.D
 Acq: 14 Oct 2020 20:42

Tgt Ion: 43 Resp: 326476
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.5 45.7
 100 14.1 11.1 16.7





#42

Toluene

Concen: 52.677 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

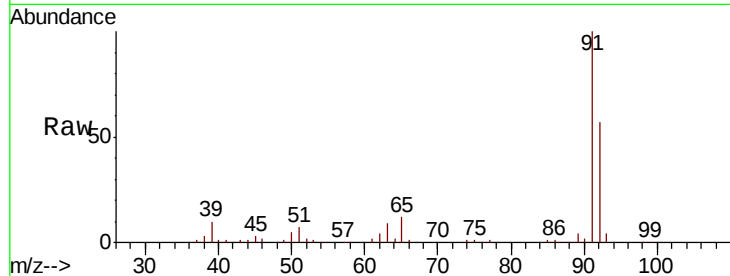
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

Tot Ion: 91 Resp: 498080

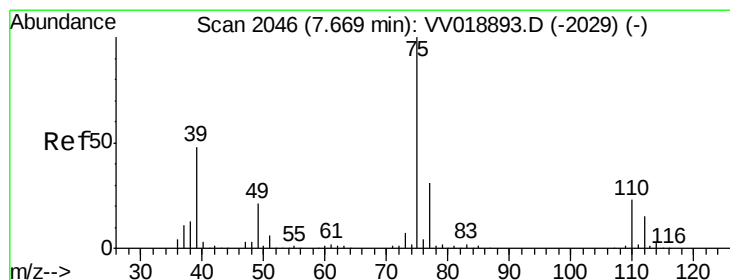
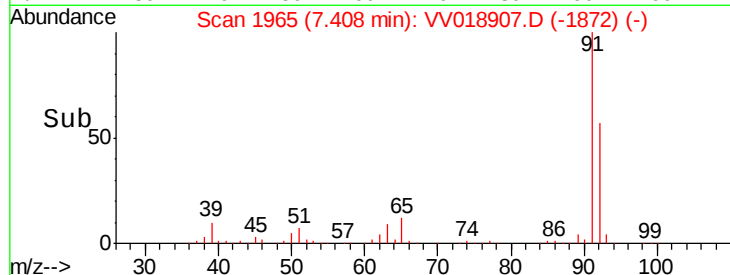
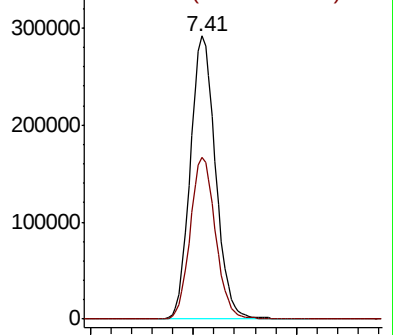
Ion Ratio Lower Upper

91 100

92 57.2 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV018893.D (-1951) (-)



#44

trans-1,3-Dichloropropene

Concen: 51.527 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018907.D

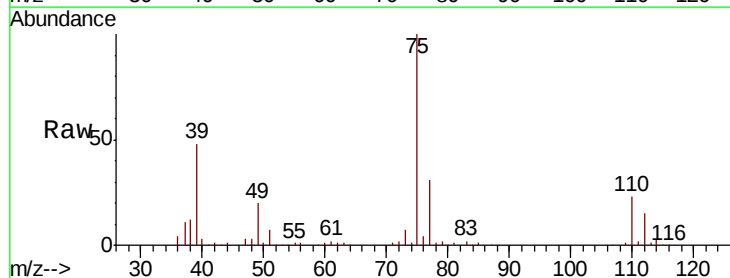
Acq: 14 Oct 2020 20:42

Tgt Ion: 75 Resp: 183878

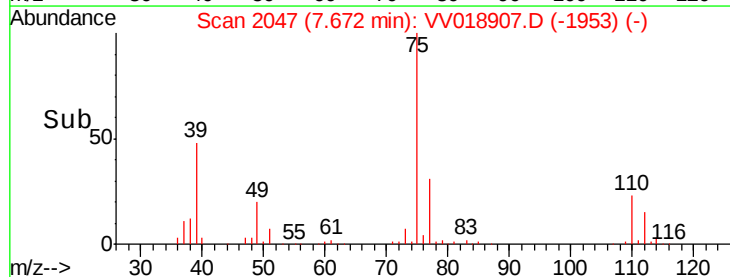
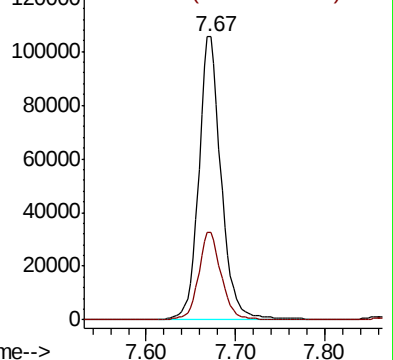
Ion Ratio Lower Upper

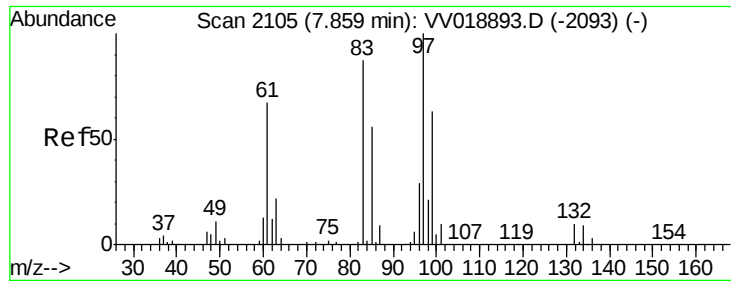
75 100

77 31.1 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV018893.D (-2029) (-)

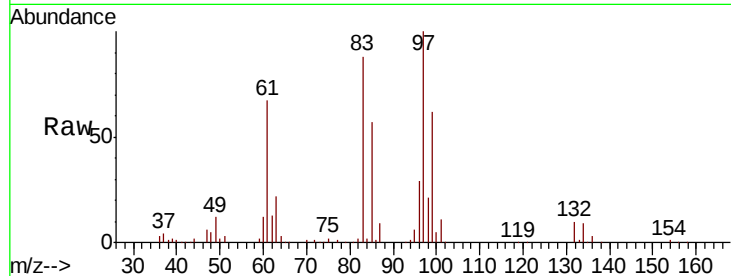




#45
1,1,2-Trichloroethane
Concen: 48.789 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

Tot Ion:	97	Resp:	111220
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.8	81.4
83	87.7	61.0	113.4
85	57.0	38.9	72.2



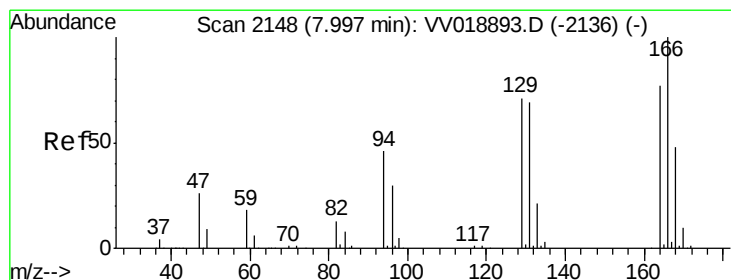
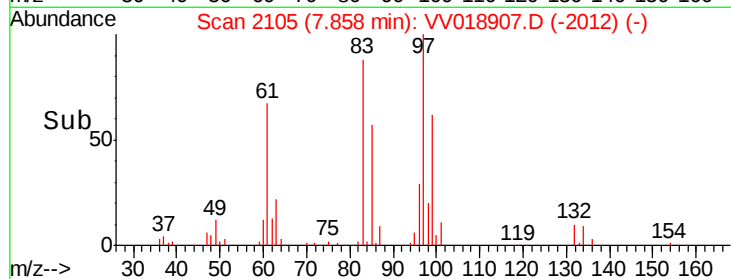
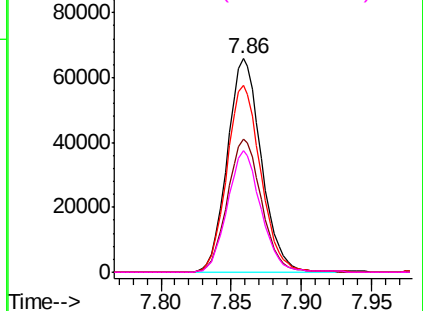
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

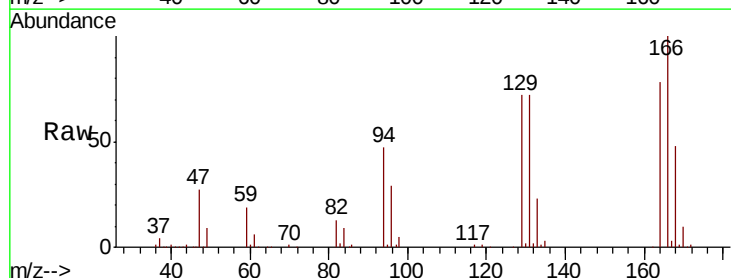
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 50.124 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

Tgt Ion:	164	Resp:	93258
Ion	Ratio	Lower	Upper
164	100		
129	93.0	65.0	120.8
131	92.5	62.9	116.7
166	128.5	91.1	169.3



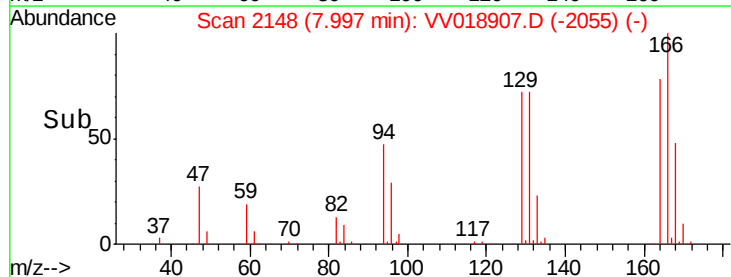
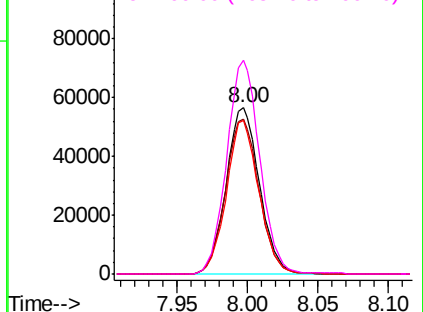
Abundance

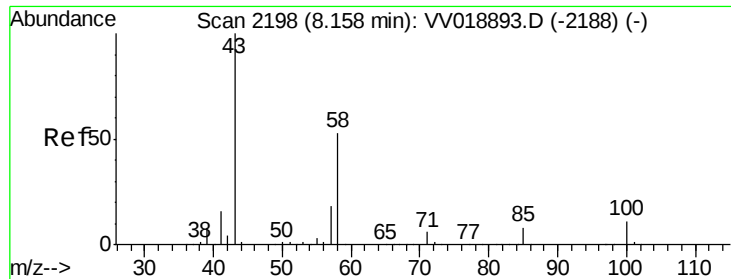
Ion 164.00 (163.70 to 164.70): V

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

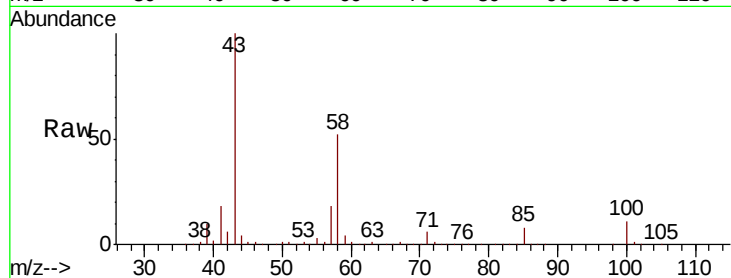




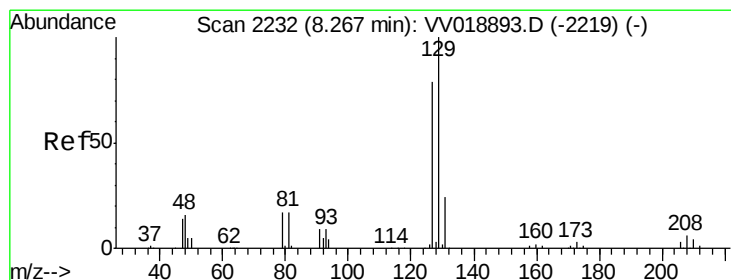
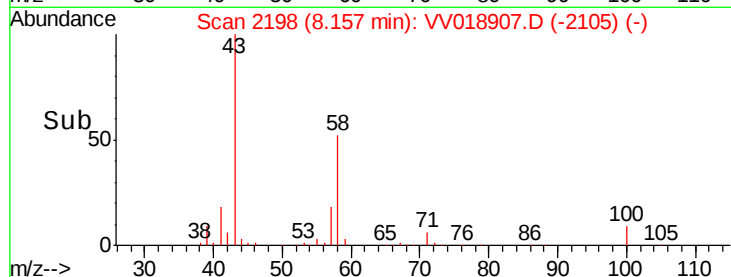
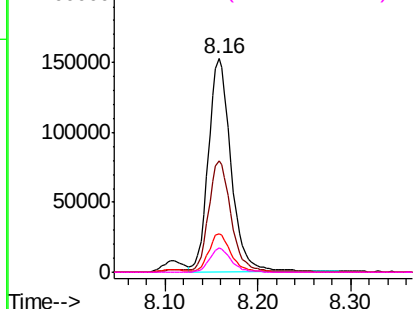
#48
2-Hexanone
Concen: 96.348 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

Tot Ion: 43 Resp: 258181
Ion Ratio Lower Upper
43 100
58 51.3 42.5 63.7
57 17.3 14.5 21.7
100 10.9 9.0 13.4

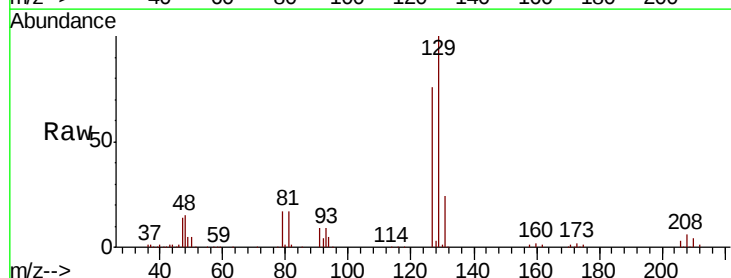


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

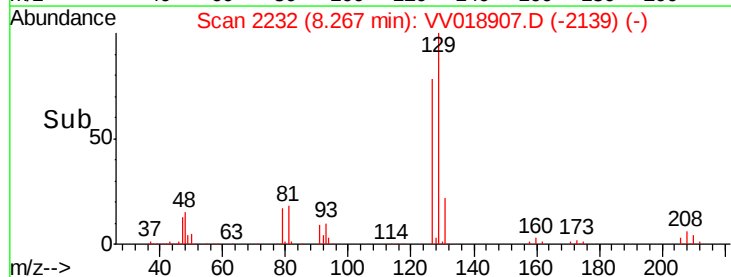
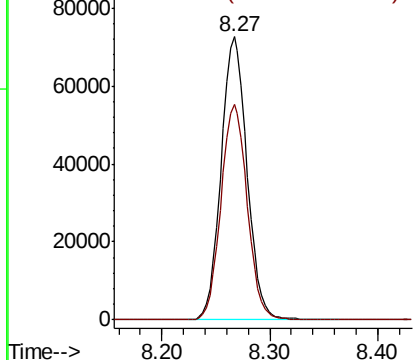


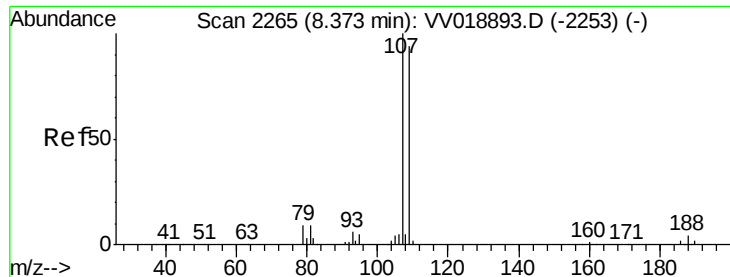
#49
Dibromochloromethane
Concen: 50.354 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

Tgt Ion: 129 Resp: 121524
Ion Ratio Lower Upper
129 100
127 76.2 55.2 102.6



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

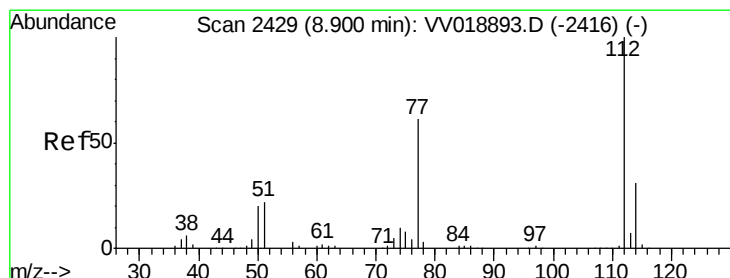
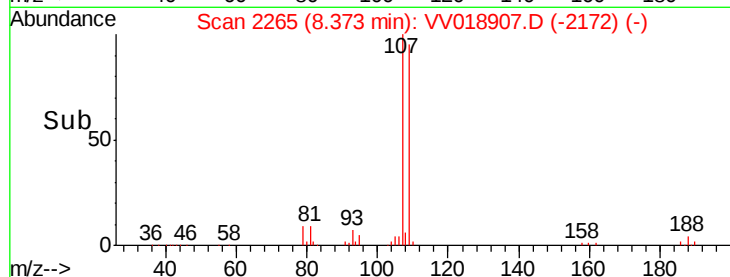
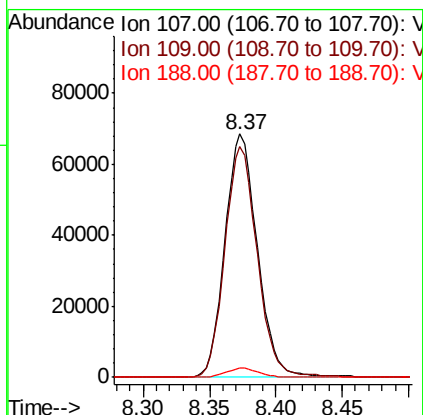
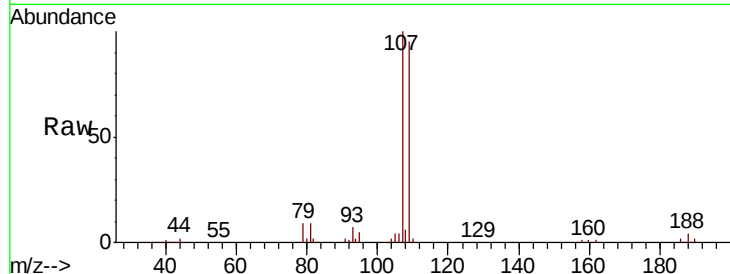




#50
1,2-Dibromoethane
Concen: 49.015 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

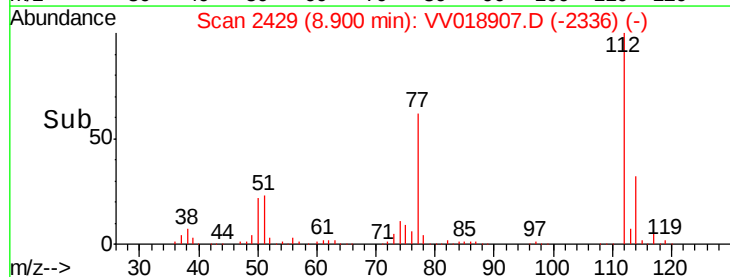
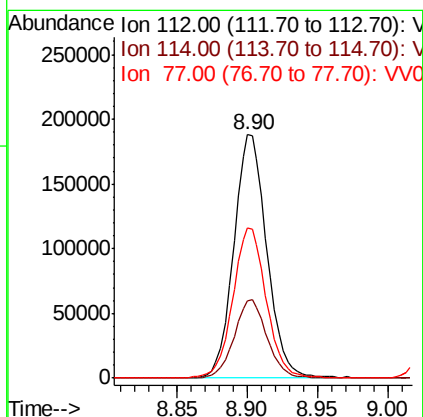
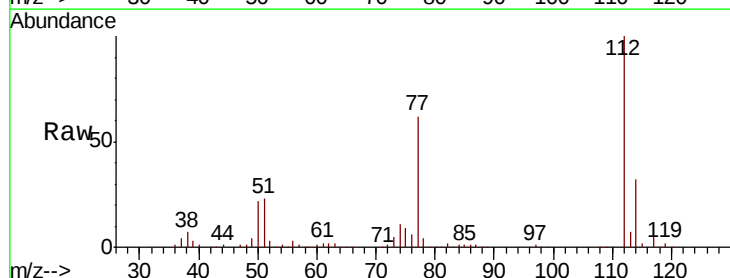
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

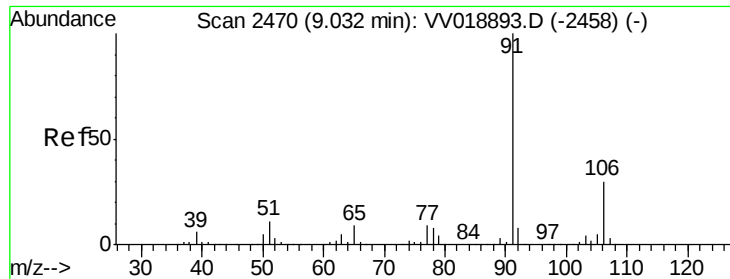
Tot Ion:107 Resp: 116447
Ion Ratio Lower Upper
107 100
109 94.8 65.8 122.2
188 3.9 3.2 4.8



#51
Chlorobenzene
Concen: 49.965 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018907.D
Acq: 14 Oct 2020 20:42

Tgt Ion:112 Resp: 308009
Ion Ratio Lower Upper
112 100
114 32.0 21.8 40.6
77 61.8 49.2 73.8





#52

Ethylbenzene

Concen: 52.459 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

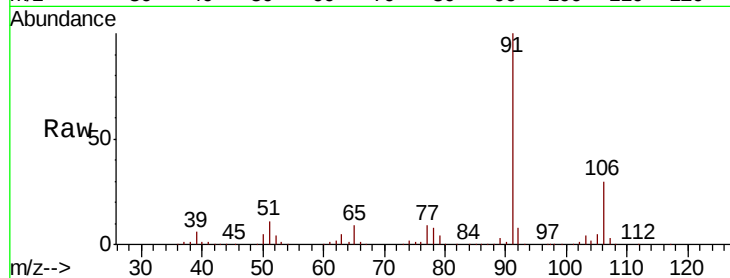
VSTD05089

Tot Ion: 91 Resp: 536949

Ion Ratio Lower Upper

91 100

106 30.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018893.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV018893.D (-2458) (-)

9.03

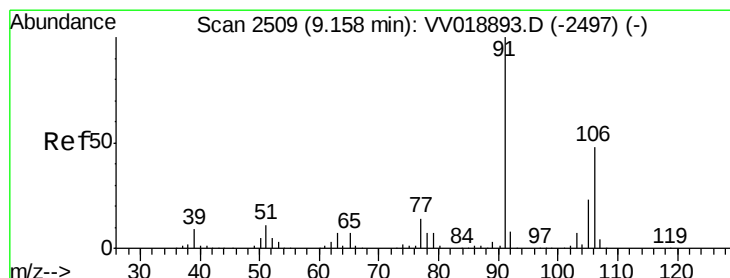
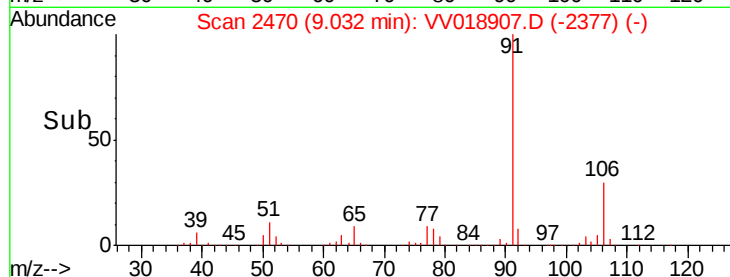
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 52.385 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018907.D

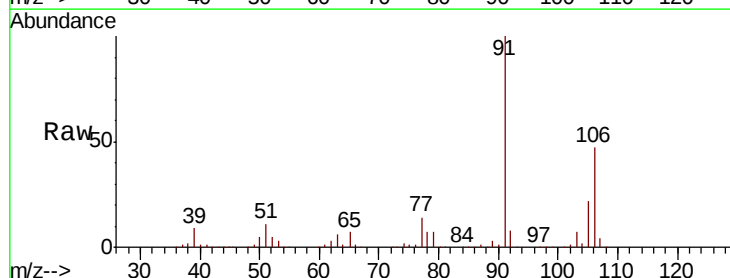
Acq: 14 Oct 2020 20:42

Tgt Ion: 106 Resp: 199760

Ion Ratio Lower Upper

106 100

91 210.9 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VV018893.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV018893.D (-2497) (-)

9.16

300000

250000

200000

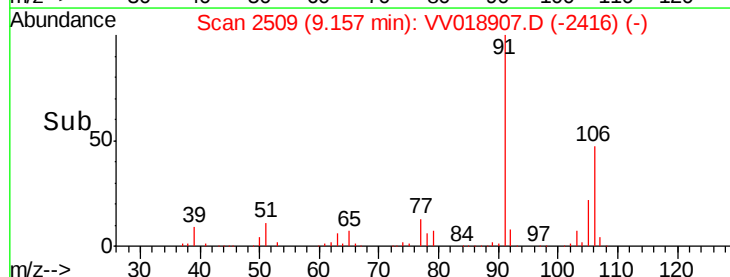
150000

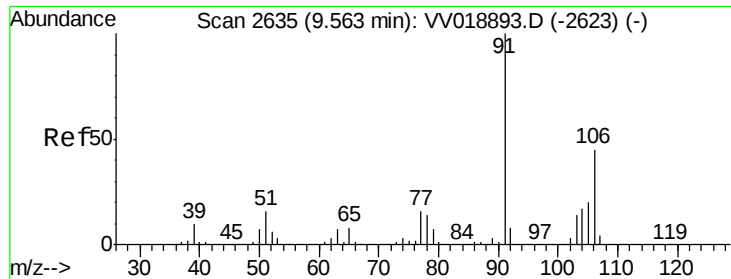
100000

50000

0

Time-->





#54

o-xylene

Concen: 53.091 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

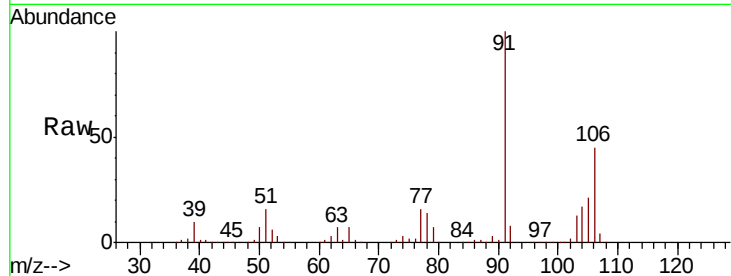
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

Tot Ion:106 Resp: 193689

Ion Ratio Lower Upper

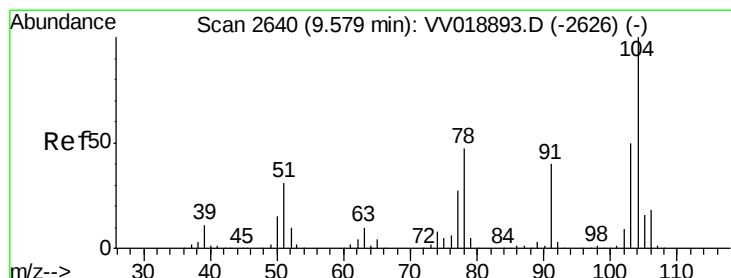
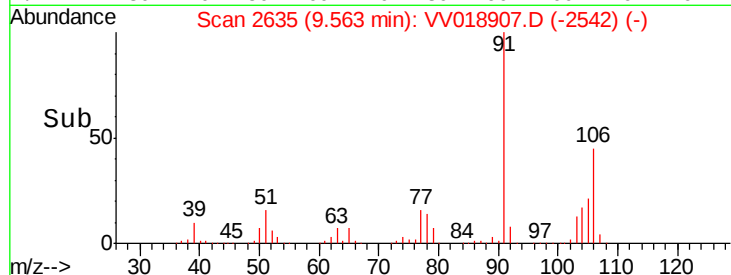
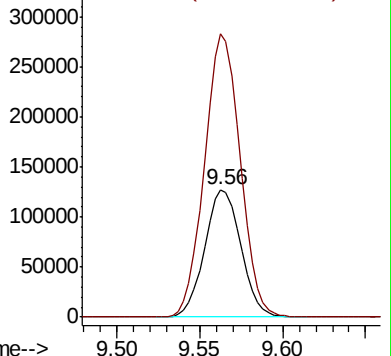
106 100

91 222.2 155.8 289.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.660 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018907.D

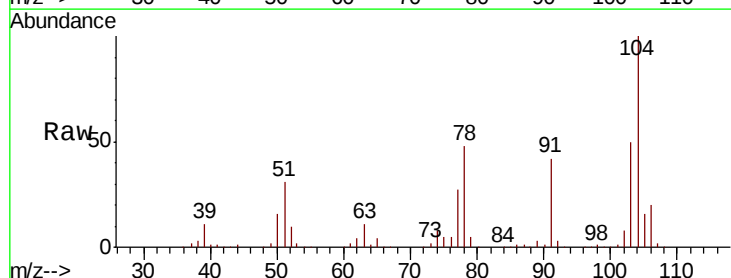
Acq: 14 Oct 2020 20:42

Tgt Ion:104 Resp: 344336

Ion Ratio Lower Upper

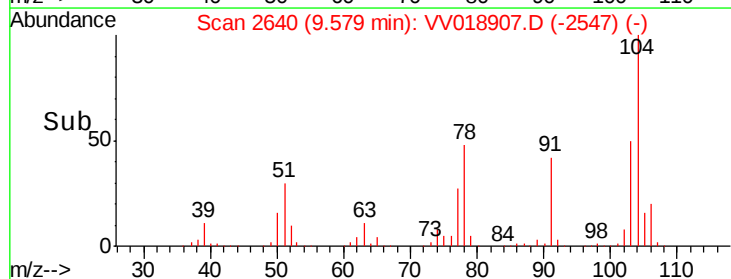
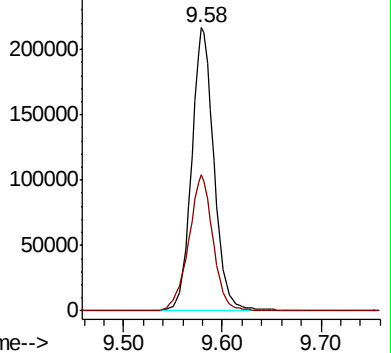
104 100

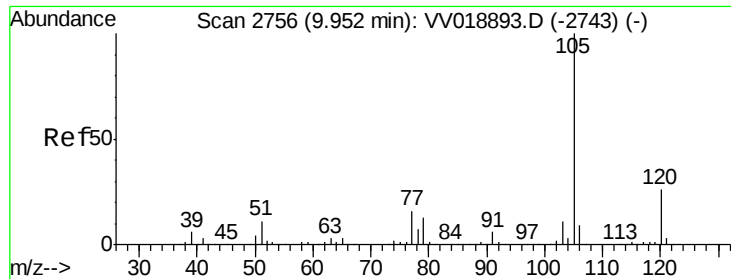
78 48.1 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.788 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

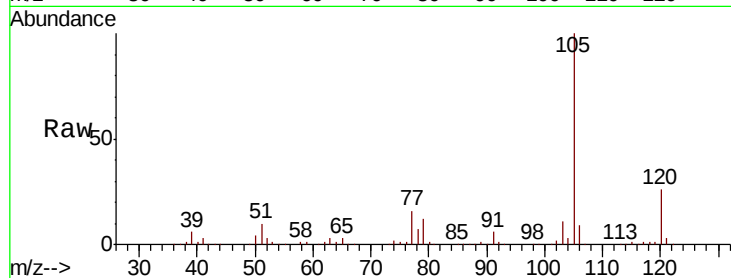
Tot Ion:105 Resp: 515162

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

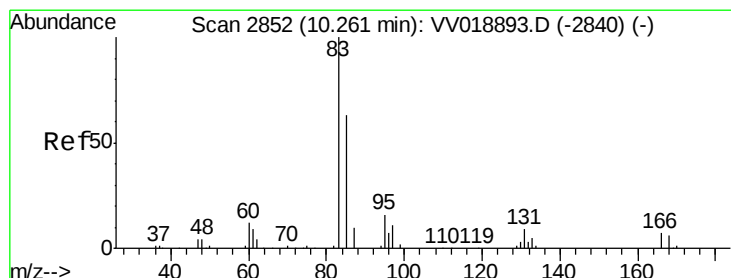
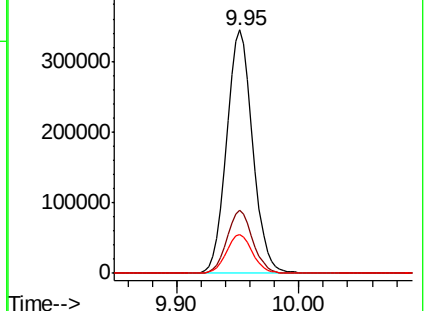
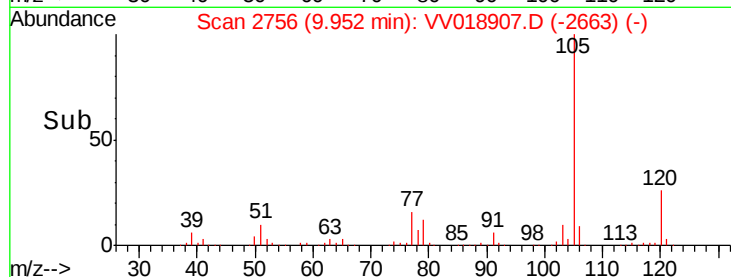
77 16.2 13.0 19.4



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: 49.372 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

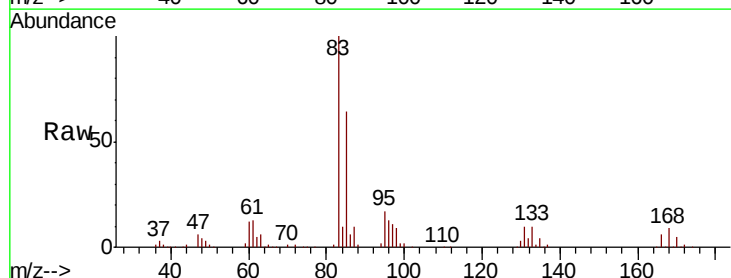
Tgt Ion: 83 Resp: 152823

Ion Ratio Lower Upper

83 100

85 64.3 44.7 82.9

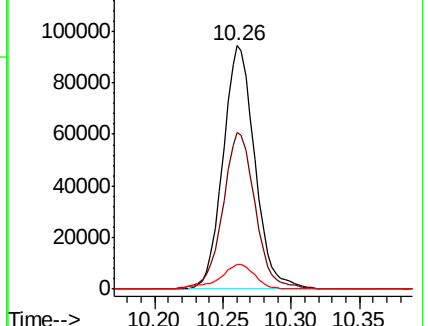
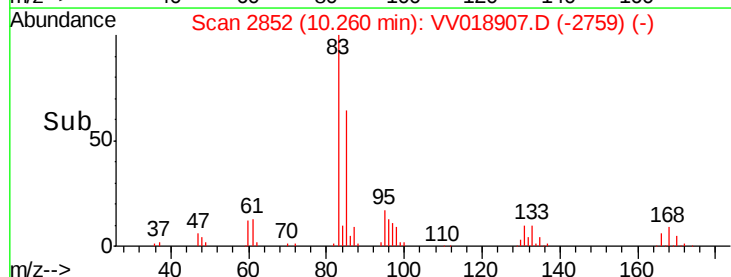
131 10.0 7.7 11.5

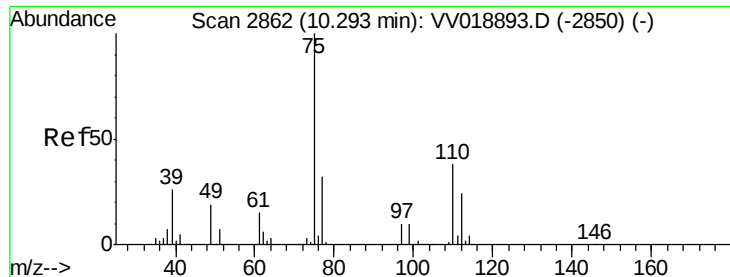


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

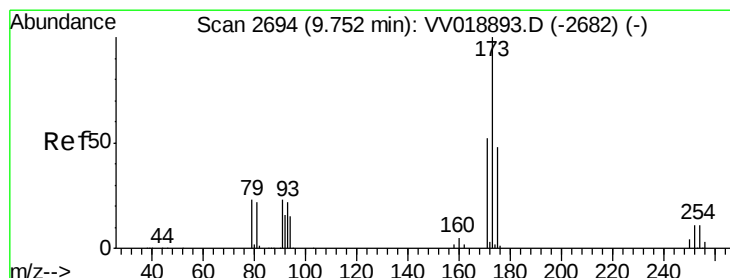
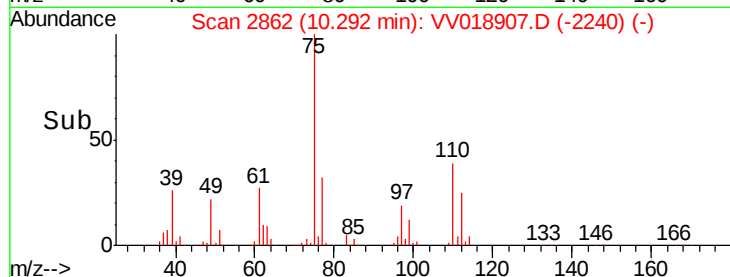
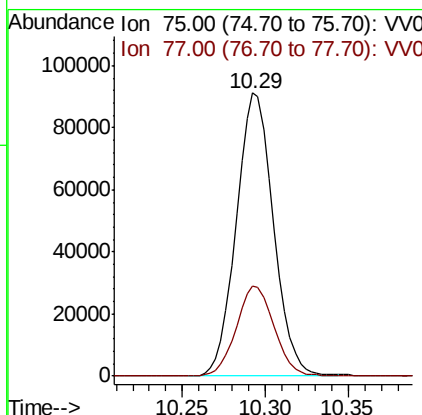
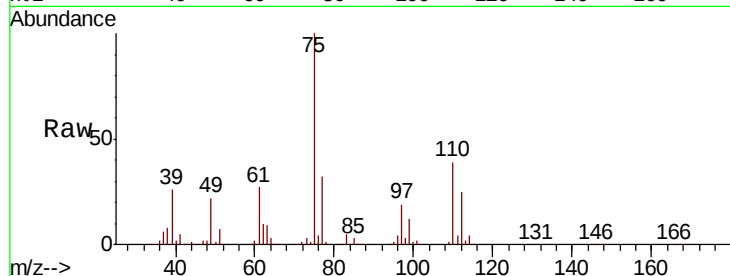




#59
 1,2,3-Trichloropropane
 Concen: 47.905 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV018907.D
 Acq: 14 Oct 2020 20:42

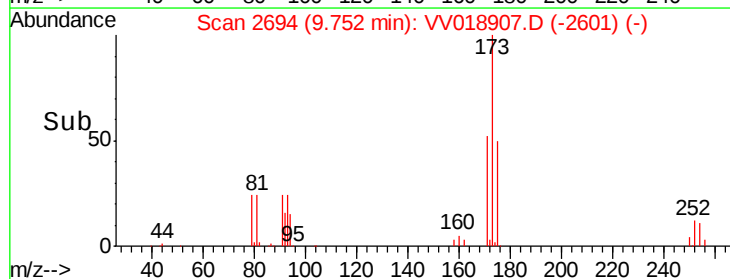
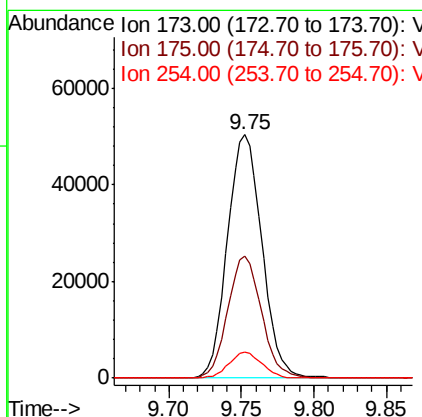
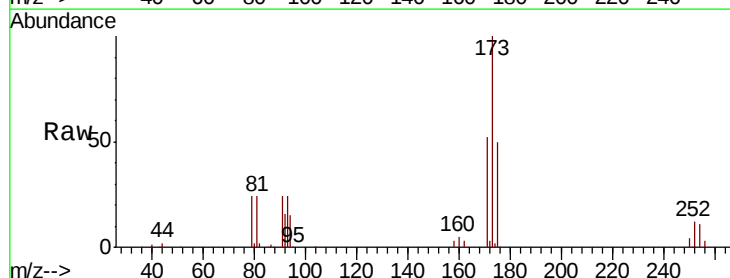
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

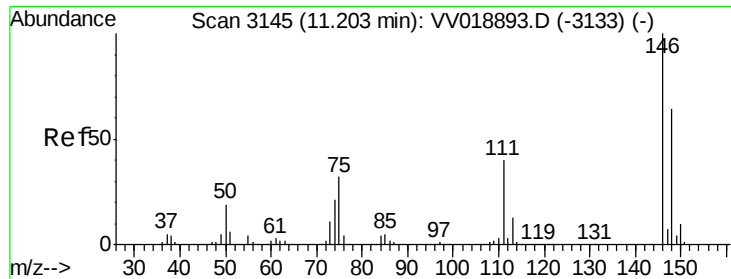
Tot Ion: 75 Resp: 142109
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2



#61
 Bromoform
 Concen: 48.076 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018907.D
 Acq: 14 Oct 2020 20:42

Tgt Ion: 173 Resp: 83442
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.2 57.2
 254 10.2 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 50.731 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

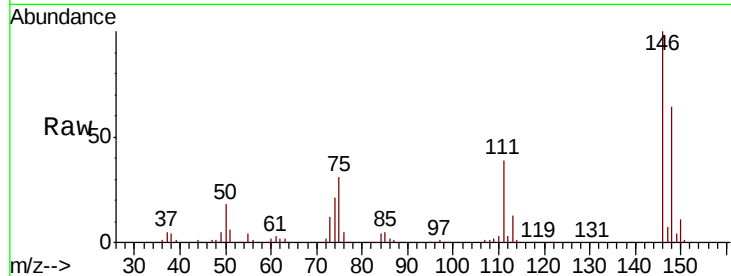
Tot Ion:146 Resp: 249877

Ion Ratio Lower Upper

146 100

111 39.5 28.3 52.7

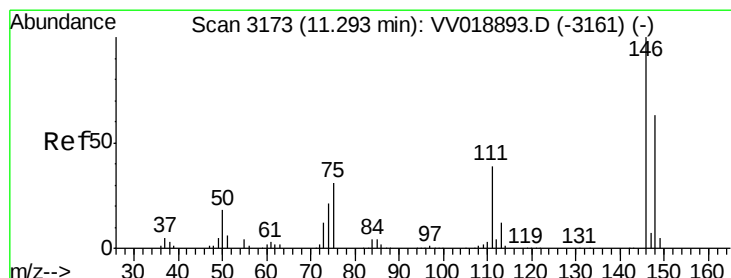
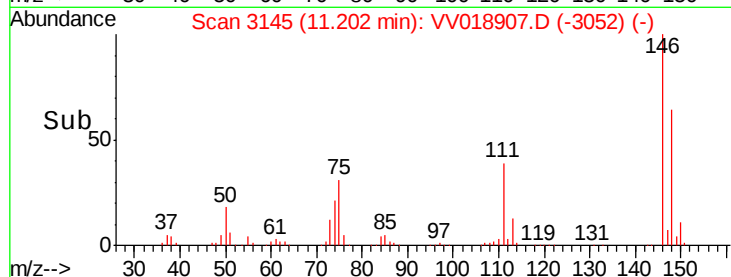
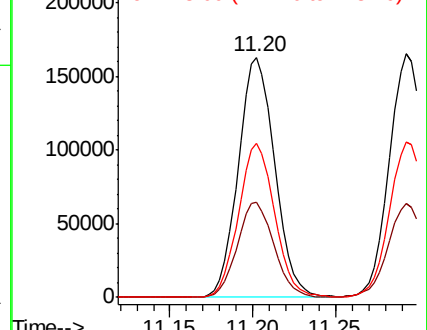
148 64.0 45.1 83.7



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



#63

1,4-Dichlorobenzene

Concen: 48.999 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

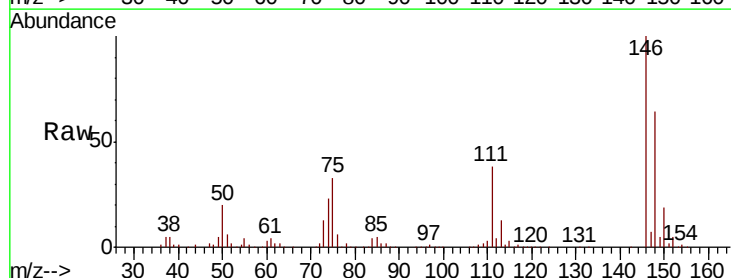
Tgt Ion:146 Resp: 253738

Ion Ratio Lower Upper

146 100

111 38.4 27.5 51.1

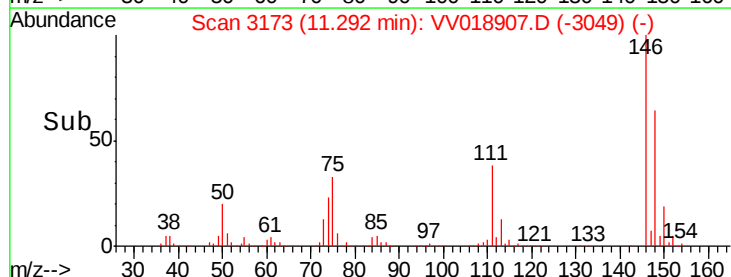
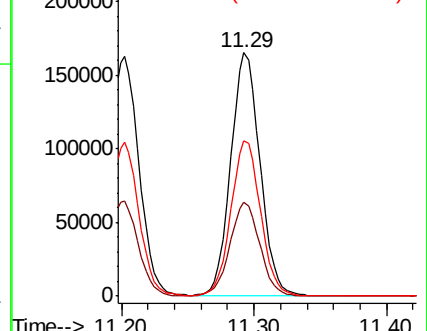
148 63.9 44.1 81.9

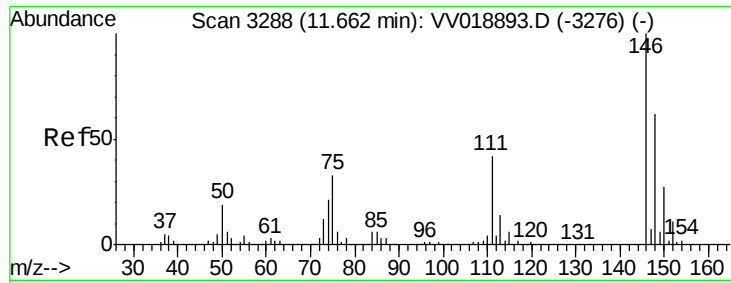


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.808 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

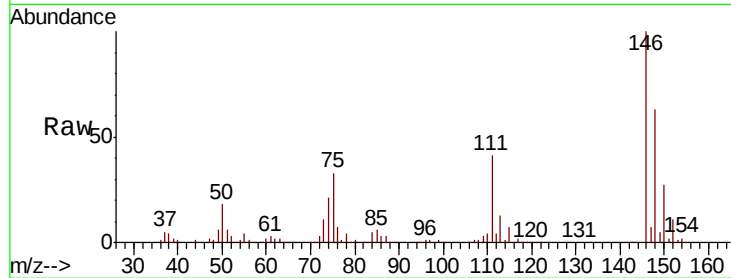
Tot Ion:146 Resp: 247516

Ion Ratio Lower Upper

146 100

111 40.9 33.9 50.9

148 62.8 49.8 74.8

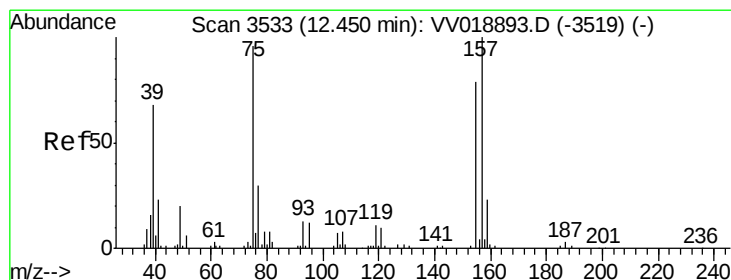
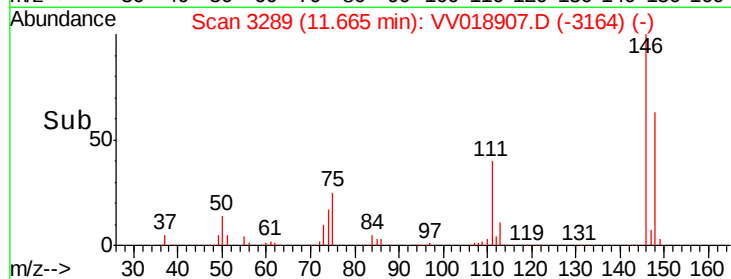
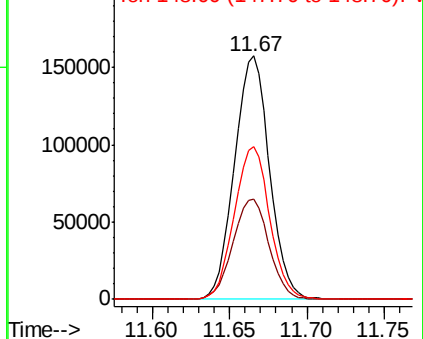


Abundance

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: 45.366 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

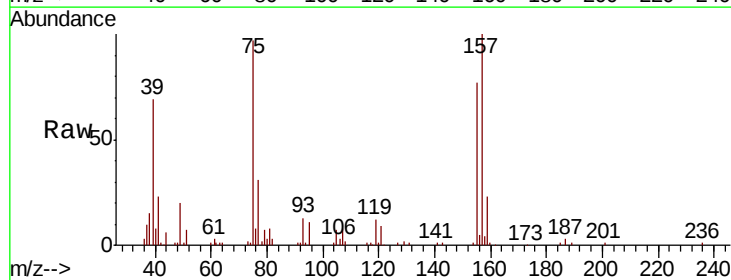
Tgt Ion: 75 Resp: 33596

Ion Ratio Lower Upper

75 100

155 79.7 65.7 98.5

157 102.9 83.0 124.4

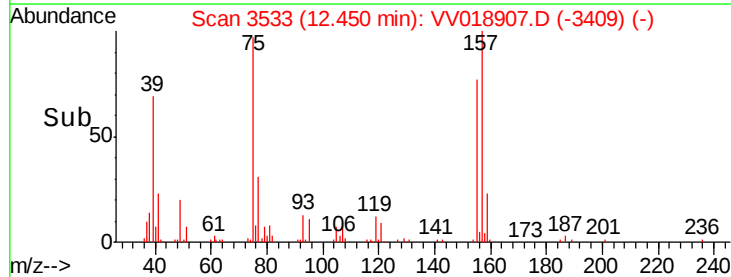
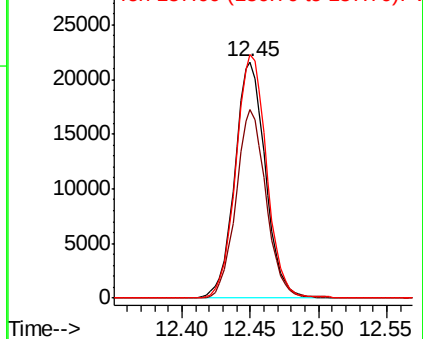


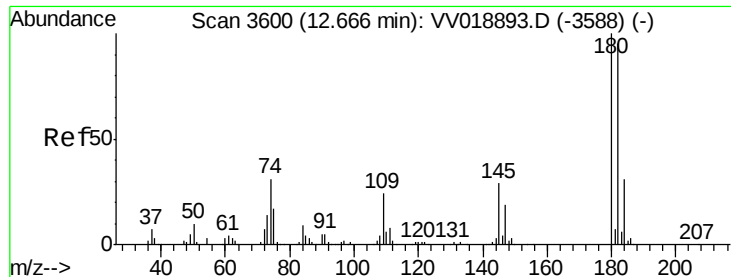
Abundance

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

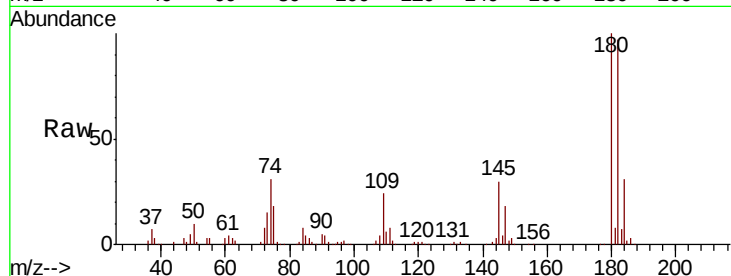




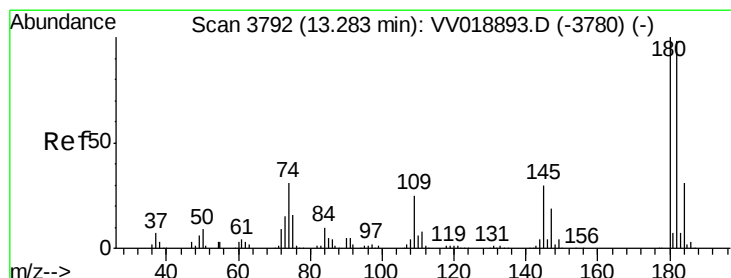
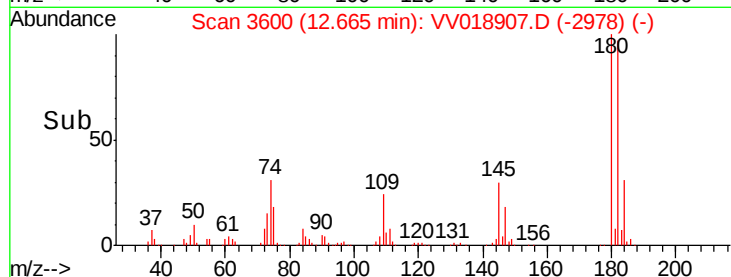
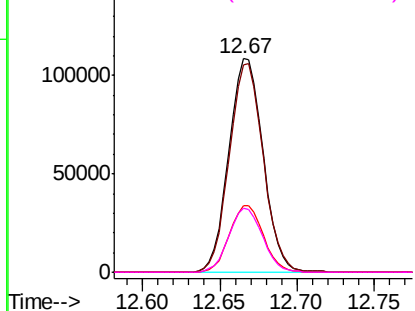
#67
 1,3,5-Trichlorobenzene
 Concen: 50.463 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018907.D
 Acq: 14 Oct 2020 20:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Tot Ion:180	Resp:	166966
Ion Ratio	Lower	Upper
180	100	
182	96.3	75.8 113.8
184	30.8	24.9 37.3
145	29.4	23.2 34.8

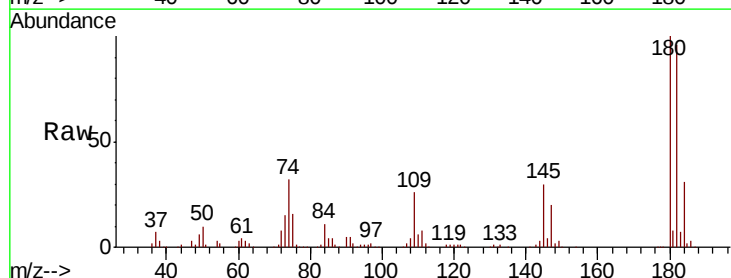


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

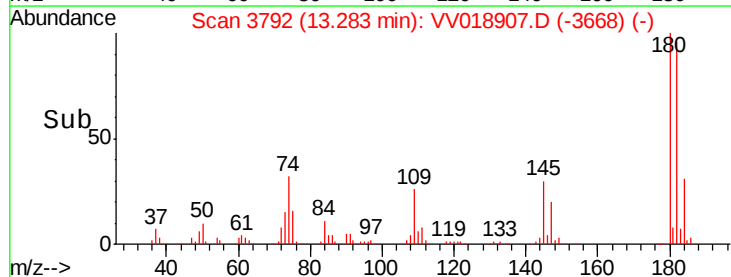
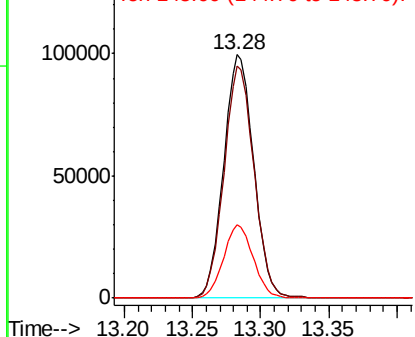


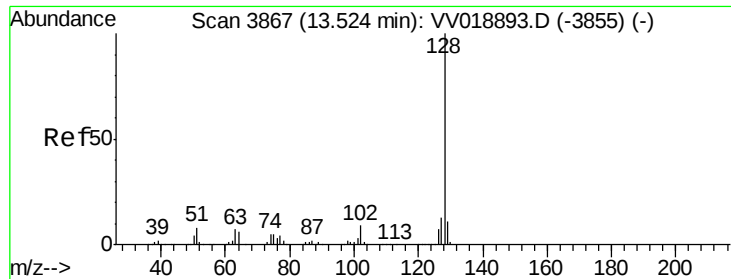
#68
 1,2,4-trichlorobenzene
 Concen: 50.006 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018907.D
 Acq: 14 Oct 2020 20:42

Tgt Ion:180	Resp:	152458
Ion Ratio	Lower	Upper
180	100	
182	95.2	76.5 114.7
145	29.8	23.7 35.5



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: 49.699 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

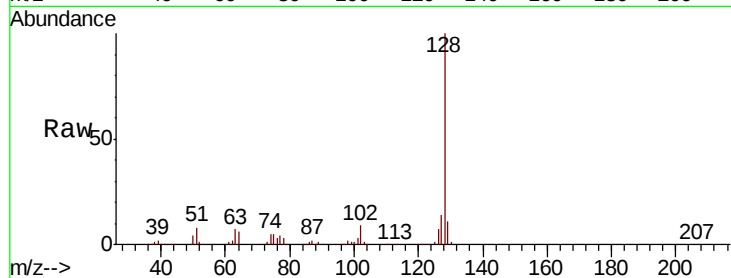
Tot Ion:128 Resp: 430010

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

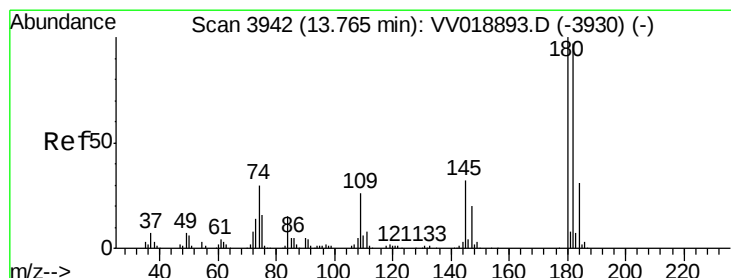
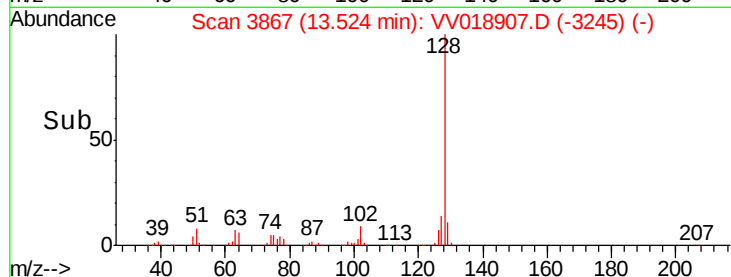
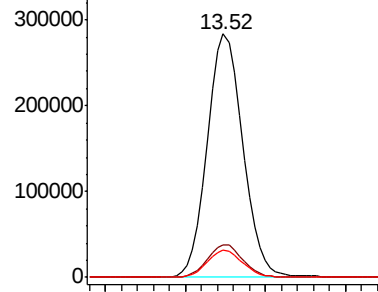
129 11.0 8.9 13.3



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: 51.656 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018907.D

Acq: 14 Oct 2020 20:42

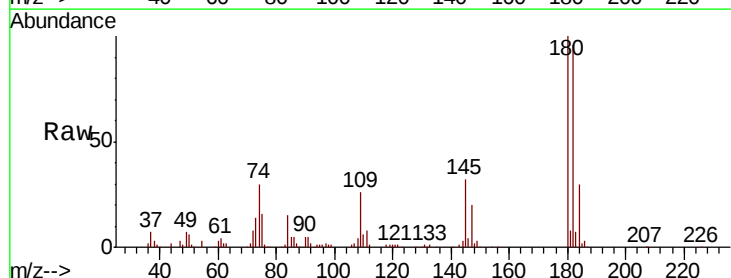
Tgt Ion:180 Resp: 157423

Ion Ratio Lower Upper

180 100

182 94.7 76.8 115.2

145 31.8 25.4 38.0



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

