

Data File : VV009193.D
Acq On : 08 Jan 2019 13:57
Operator : SY/MD
Sample : VSTD02579
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

Quant Time: Jan 08 14:22:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 13:47:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	284453	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	258924	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	130922	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69722	35.85	ug/L	0.00
7) Chloroethane-d5	1.58	69	65488	34.70	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	187496	28.83	ug/L	0.00
20) 2-Butanone-d5	3.96	46	44102	32.22	ug/L	0.00
24) Chloroform-d	4.40	84	169400	28.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	88609	27.65	ug/L	0.00
29) Benzene-d6	5.10	84	341492	29.60	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	95390	28.84	ug/L	0.00
37) Toluene-d8	7.36	98	319916	29.40	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	46277	29.49	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	28395	36.37	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	85375	23.49	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	122110	27.60	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	111599	24.407	ug/L	99
3) Chloromethane	1.25	50	76050	24.557	ug/L	99
5) Vinyl chloride	1.32	62	78424	23.651	ug/L	97
6) Bromomethane	1.53	94	56881	24.353	ug/L	99
8) Chloroethane	1.60	64	54633	26.735	ug/L	99
9) Trichlorofluoromethane	1.77	101	141506	23.277	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	90583	22.373	ug/L	97
12) 1,1-Dichloroethene	2.14	96	79058	22.516	ug/L #	76
13) Acetone	2.22	43	97432	50.226	ug/L	92
14) Carbon disulfide	2.32	76	325462	32.439	ug/L	99
15) Methyl Acetate	2.47	43	55290	23.035	ug/L	96
16) Methylene chloride	2.53	84	110164	25.923	ug/L	86
17) Methyl tert-butyl Ether	2.81	73	209665	24.379	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	92028	24.731	ug/L	97
19) 1,1-Dichloroethane	3.23	63	148835	24.086	ug/L	99
21) 2-Butanone	4.04	43	71405	42.083	ug/L #	89
22) cis-1,2-Dichloroethene	3.96	96	97131	24.417	ug/L	99
23) Bromochloromethane	4.30	128	46447	24.818	ug/L	98
25) Chloroform	4.43	83	160536	24.397	ug/L	98
27) 1,2-Dichloroethane	5.18	62	103804	23.485	ug/L	100
30) Cyclohexane	4.72	56	142404	24.809	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	147860	23.488	ug/L	100
32) Carbon tetrachloride	4.88	117	136170	23.633	ug/L	100
34) Benzene	5.15	78	346175	24.870	ug/L	100
35) Trichloroethene	5.96	95	97918	24.418	ug/L	97
36) Methylcyclohexane	6.18	83	165256	24.664	ug/L	99
40) 1,2-Dichloropropane	6.22	63	82917	24.715	ug/L	99
41) Bromodichloromethane	6.56	83	115248	25.062	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	137066	25.782	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	108839	34.035	ug/L	99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	365920	24.383	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	115515	24.818	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	69044	23.285	ug/L	97
47) Tetrachloroethene	8.02	164	83965	24.168	ug/L	98
49) 2-Hexanone	8.19	43	93661	39.796	ug/L	98
50) Dibromochloromethane	8.29	129	86198	23.663	ug/L	95
51) 1,2-Dibromoethane	8.40	107	69893	22.542	ug/L	98
52) Chlorobenzene	8.93	112	249212	24.203	ug/L	99
53) Ethylbenzene	9.05	91	418979	24.687	ug/L	98
54) m,p-Xylene	9.18	106	163250	24.689	ug/L	100
55) o-xylene	9.59	106	154948	25.343	ug/L	99
56) Styrene	9.60	104	258763	25.092	ug/L	98
57) Isopropylbenzene	9.97	105	420739	24.803	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	83588	21.040	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	61929	19.502	ug/L	97
62) Bromoform	9.78	173	52020	22.498	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	201496	24.426	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	202048	23.497	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	188849	24.033	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13816	16.936	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	159309	23.946	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	129986	24.004	ug/L	99
69) Naphthalene	13.55	128	227076	20.588	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	116193	23.381	ug/L	98

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

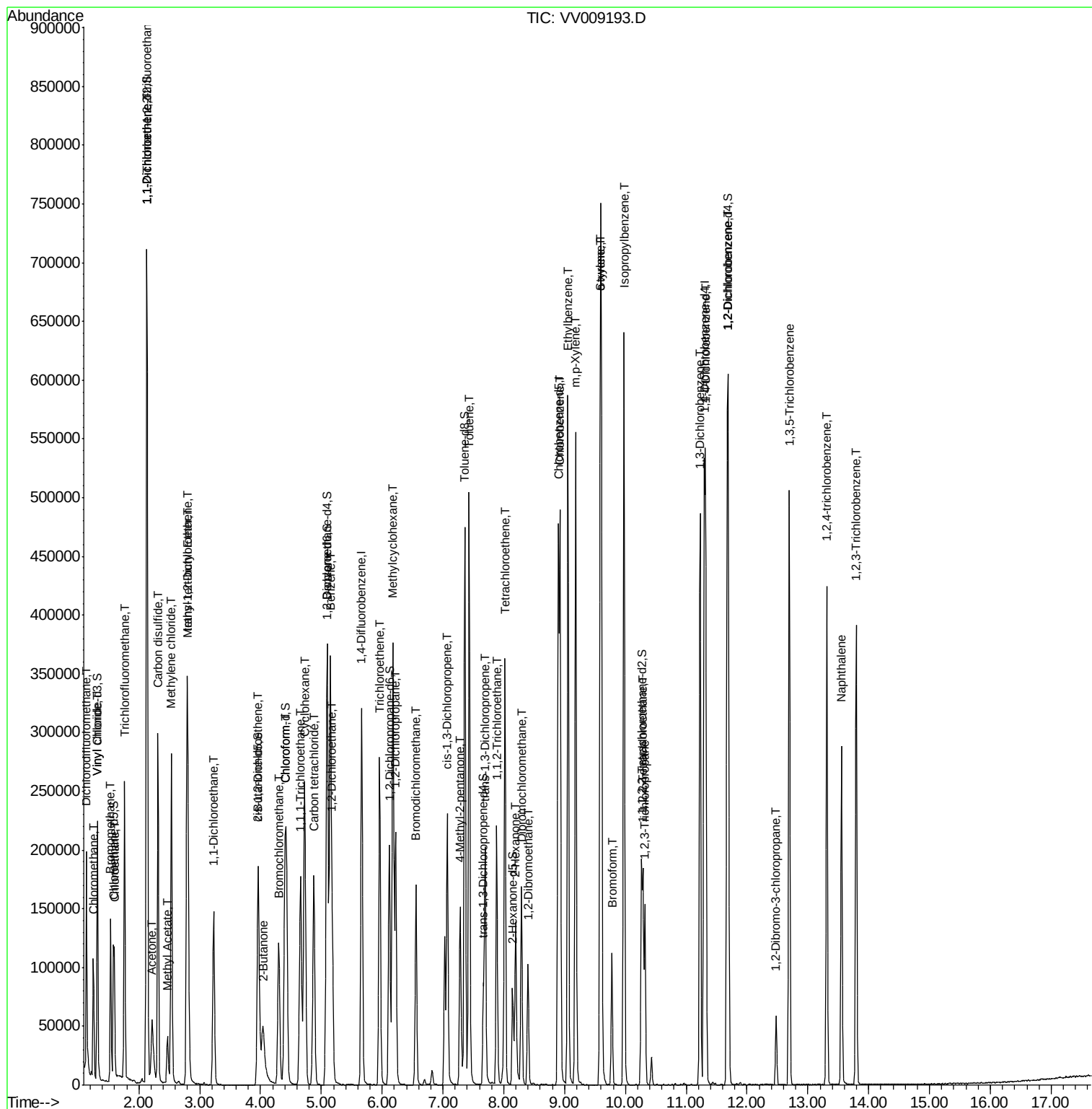
Quant Time: Jan 08 14:22:33 2019

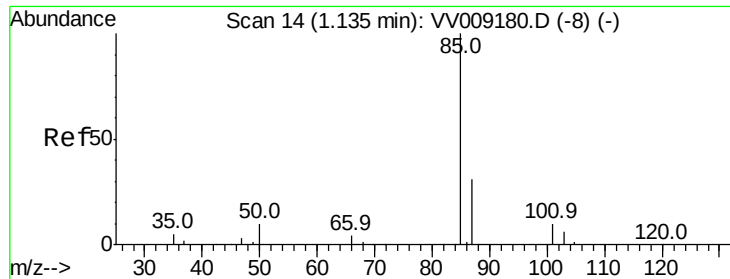
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM010819S.M

Quant Title : VOC Analysis

QLast Update : Tue Jan 08 13:47:32 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.407 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

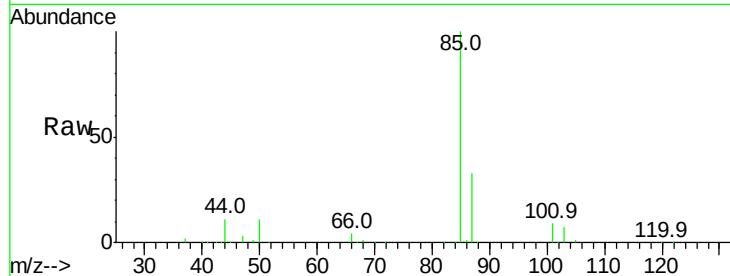
VSTD02579

Tgt Ion: 85 Resp: 111599

Ion Ratio Lower Upper

85 100

87 32.8 22.5 41.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

120000

100000

80000

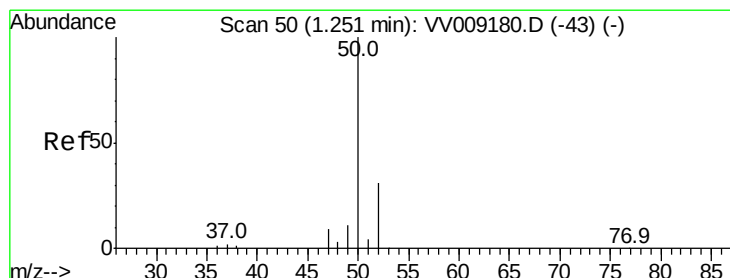
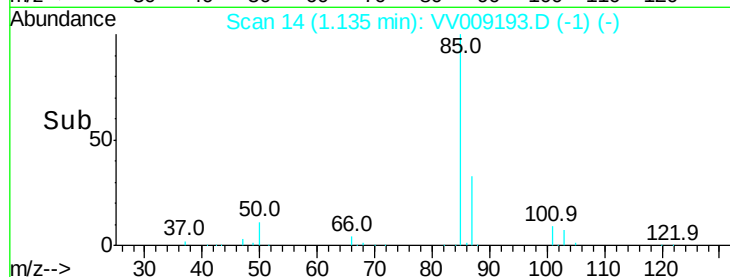
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 24.557 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009193.D

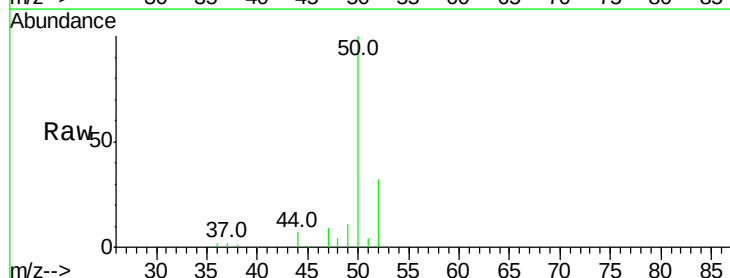
Acq: 08 Jan 2019 13:57

Tgt Ion: 50 Resp: 76050

Ion Ratio Lower Upper

50 100

52 32.5 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

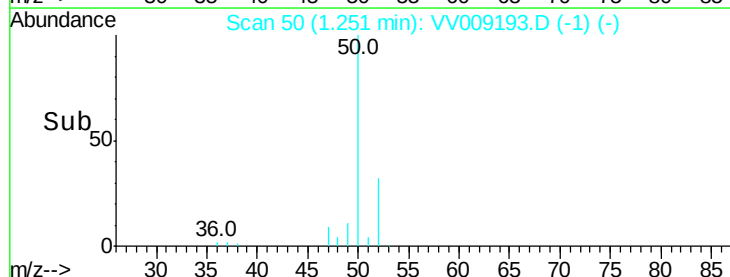
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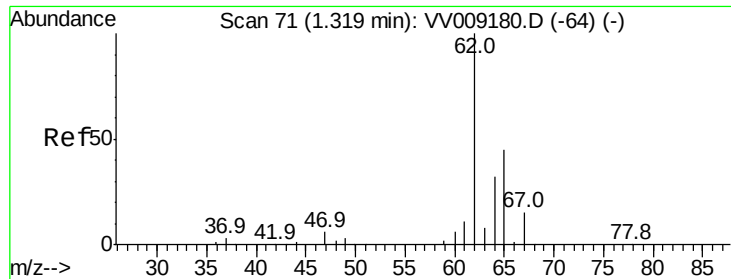
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 23.651 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

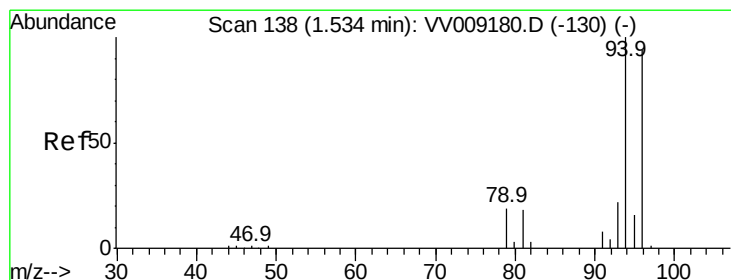
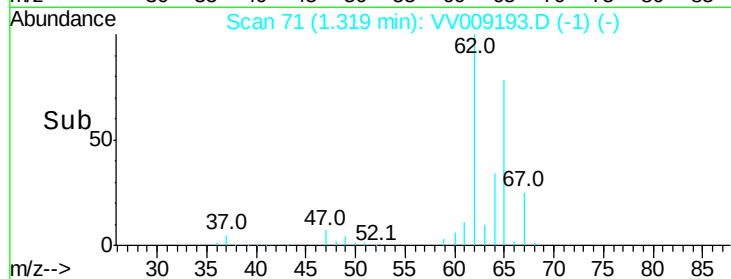
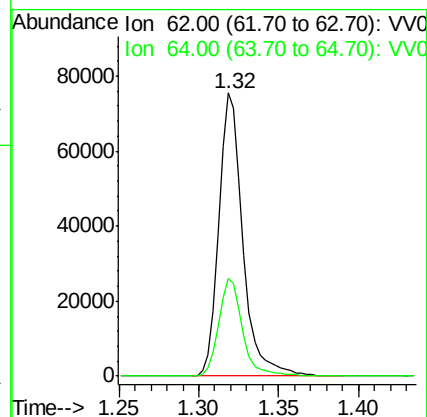
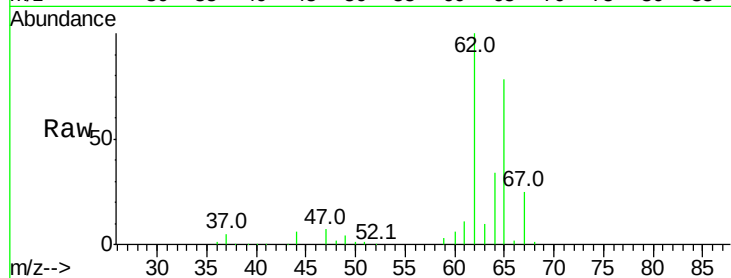
VSTD02579

Tgt Ion: 62 Resp: 78424

Ion Ratio Lower Upper

62 100

64 34.4 23.0 42.6



#6

Bromomethane

Concen: 24.353 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV009193.D

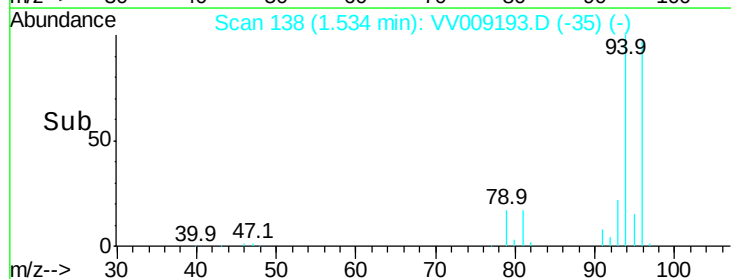
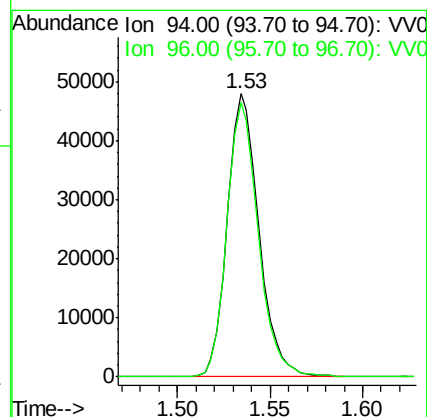
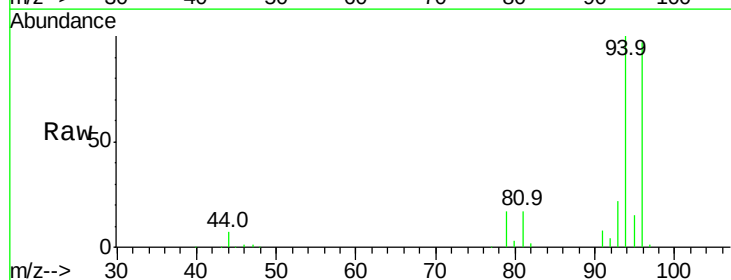
Acq: 08 Jan 2019 13:57

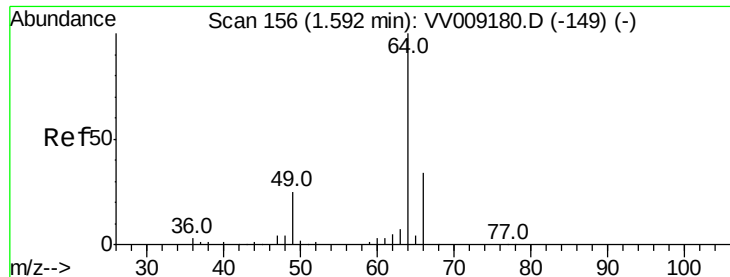
Tgt Ion: 94 Resp: 56881

Ion Ratio Lower Upper

94 100

96 96.5 9.7 185.1





#8

Chloroethane

Concen: 26.735 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

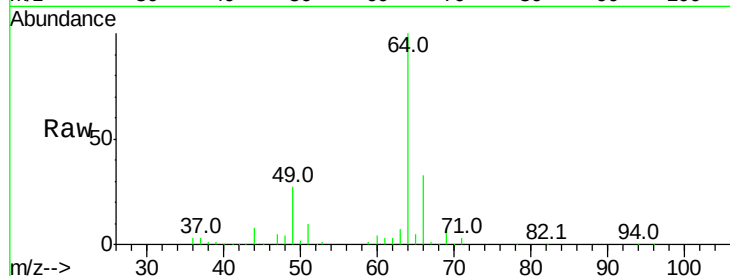
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

Tgt Ion: 64 Resp: 54633

Ion Ratio Lower Upper

64 100

66 32.5 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV009180.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV009180.D (-149) (-)

1.60

50000

40000

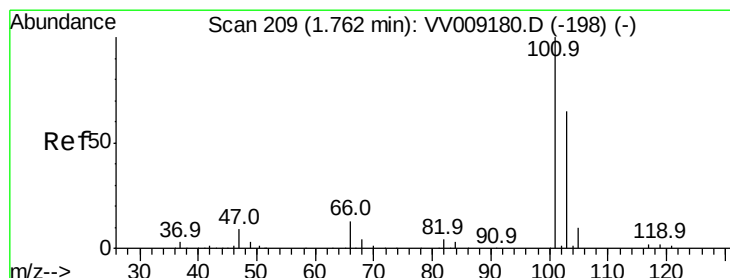
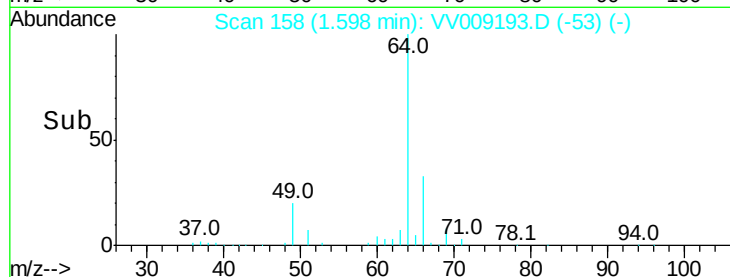
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 23.277 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV009193.D

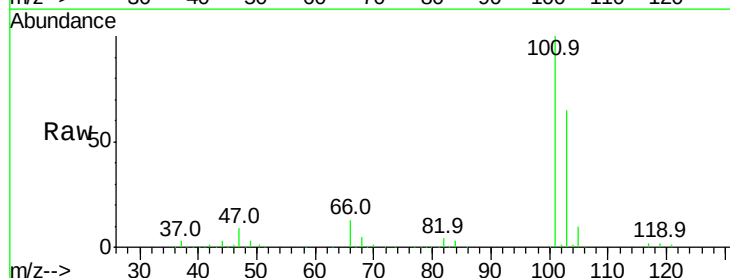
Acq: 08 Jan 2019 13:57

Tgt Ion: 101 Resp: 141506

Ion Ratio Lower Upper

101 100

103 65.6 46.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): VV009180.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV009180.D (-198) (-)

1.77

120000

100000

80000

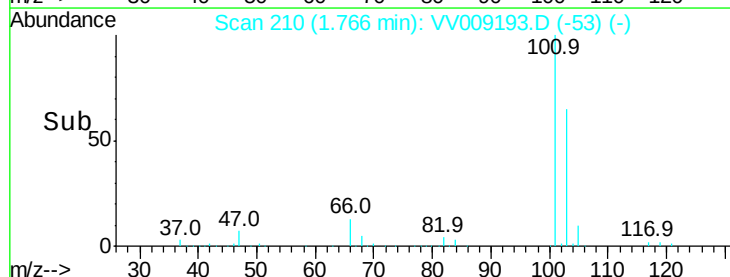
60000

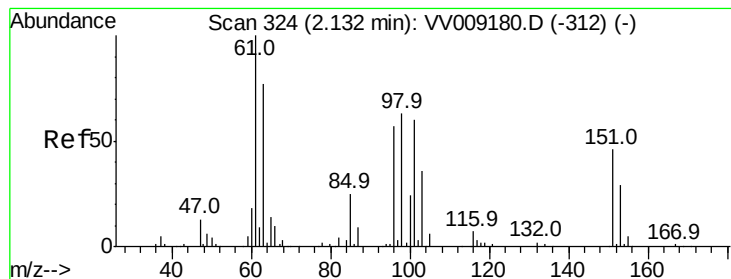
40000

20000

0

Time-->





#11

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

Concen: 22.373 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

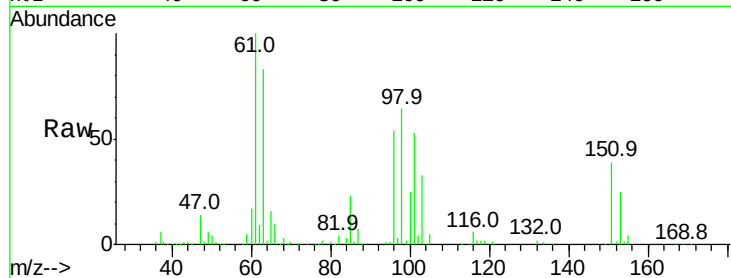
Tgt Ion: 101 Resp: 90583

Ion Ratio Lower Upper

101 100

85 44.0 34.6 52.0

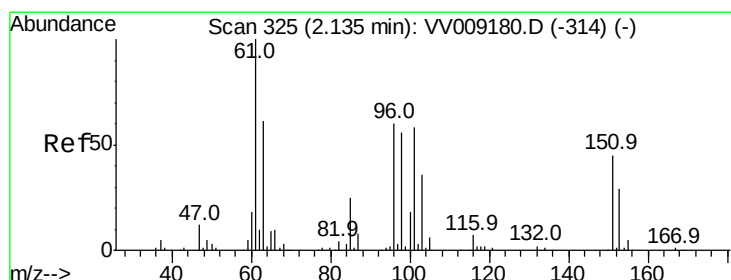
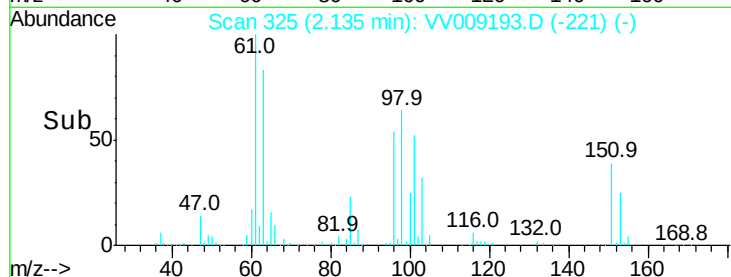
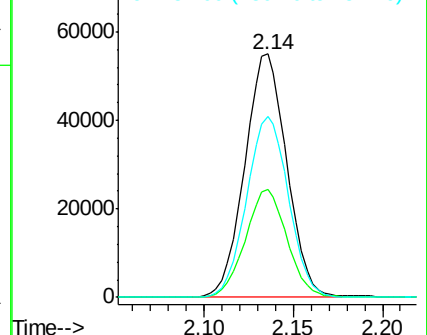
151 74.3 62.6 94.0



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: 22.516 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

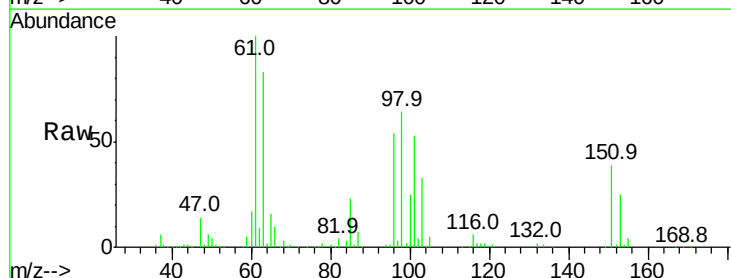
Tgt Ion: 96 Resp: 79058

Ion Ratio Lower Upper

96 100

61 186.1 117.0 217.4

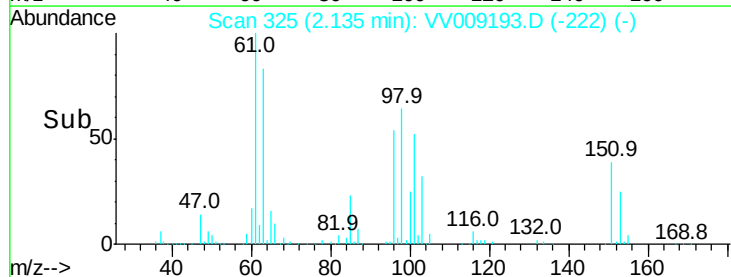
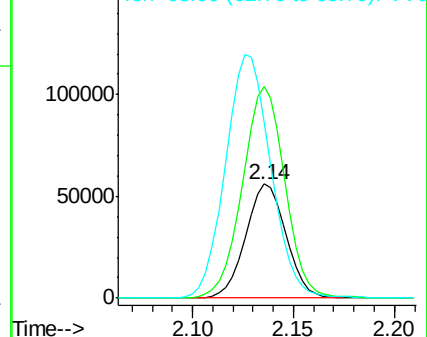
63 154.0 78.2 145.2#

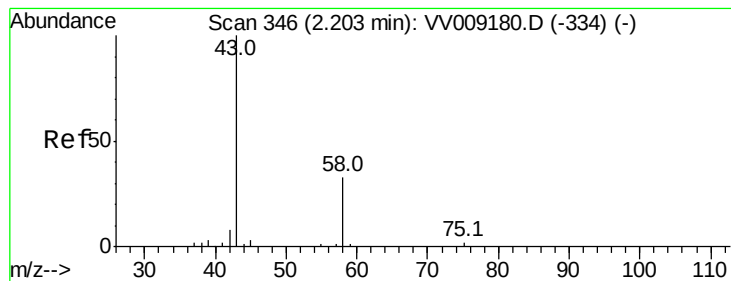


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.226 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

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ClientSampleId :

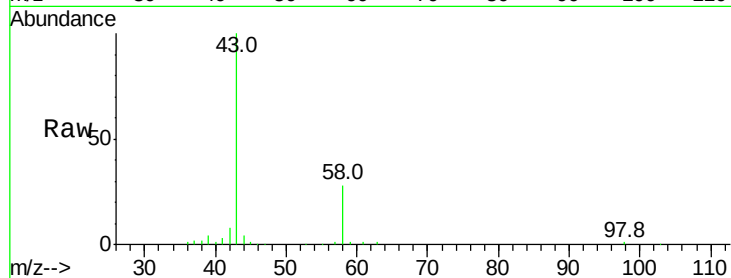
VSTD02579

Tgt Ion: 43 Resp: 97432

Ion Ratio Lower Upper

43 100

58 28.9 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VV009180.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009180.D (-334) (-)

2.22

40000

30000

20000

10000

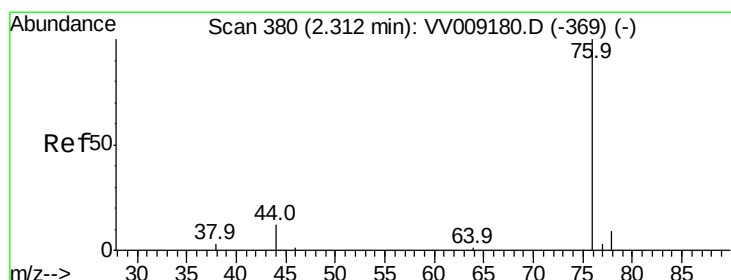
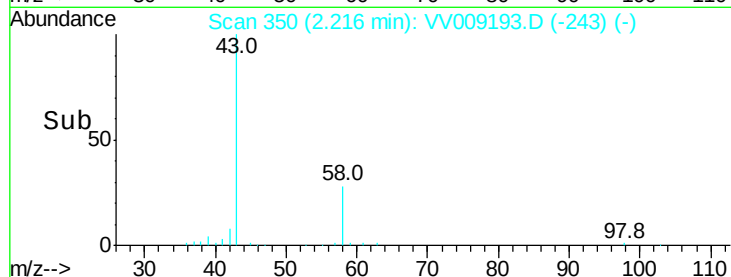
0

Time-->

2.10

2.20

2.30



#14

Carbon disulfide

Concen: 32.439 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009193.D

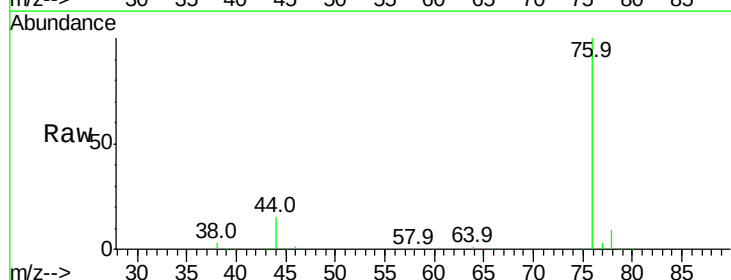
Acq: 08 Jan 2019 13:57

Tgt Ion: 76 Resp: 325462

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV009180.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009180.D (-369) (-)

2.32

250000

200000

150000

100000

50000

0

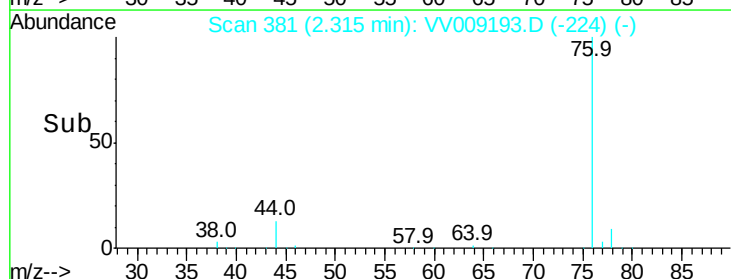
Time-->

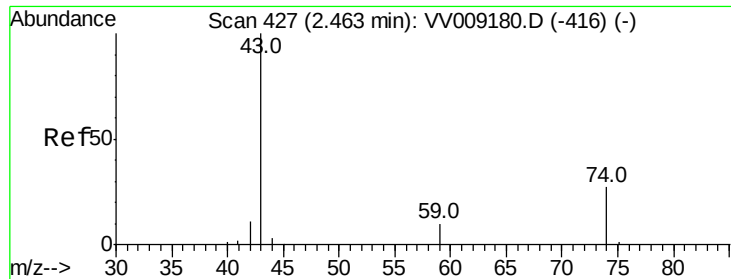
2.25

2.30

2.35

2.40





#15

Methyl Acetate

Concen: 23.035 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.01 min

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ClientSampleId :

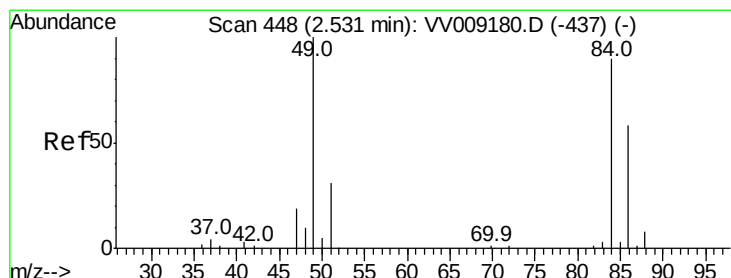
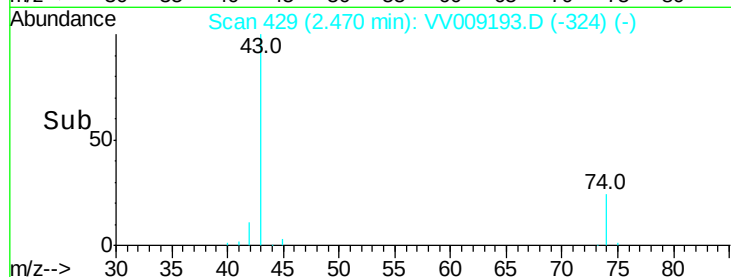
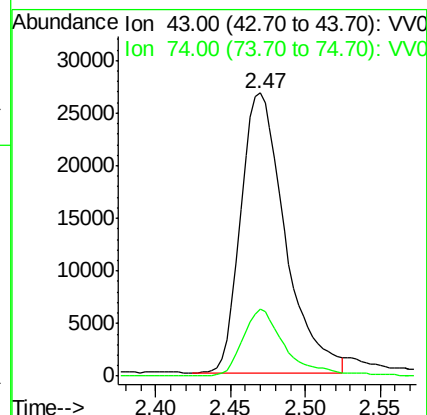
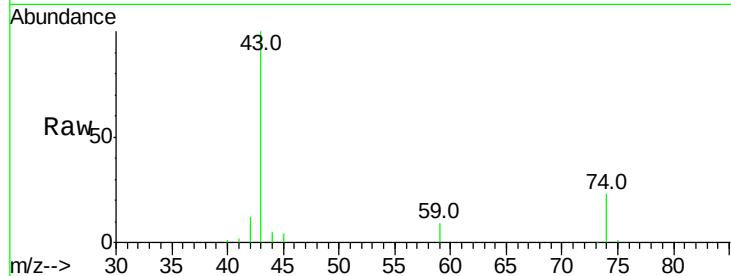
VSTD02579

Tgt Ion: 43 Resp: 55290

Ion Ratio Lower Upper

43 100

74 22.3 19.4 29.0



#16

Methylene chloride

Concen: 25.923 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

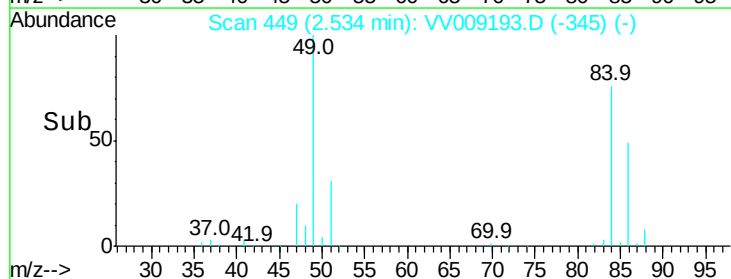
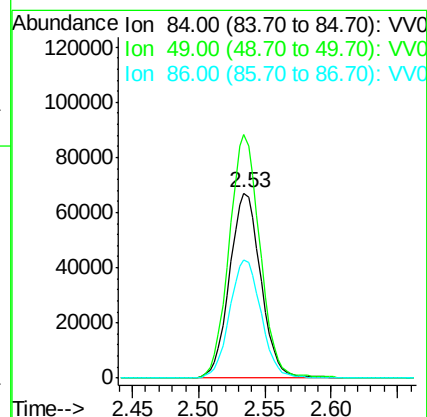
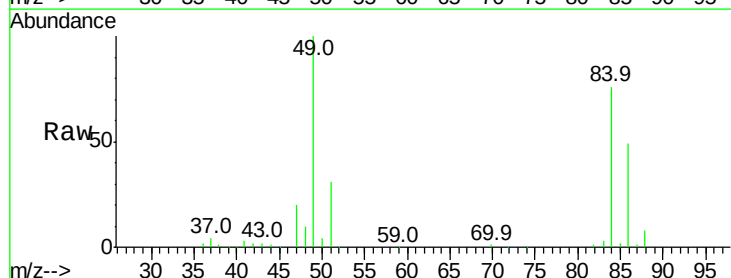
Tgt Ion: 84 Resp: 110164

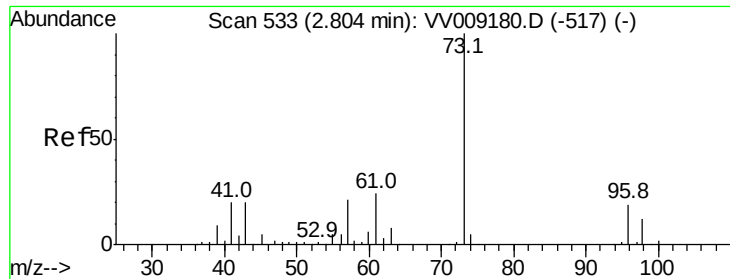
Ion Ratio Lower Upper

84 100

49 131.5 77.6 144.2

86 64.1 47.4 88.0

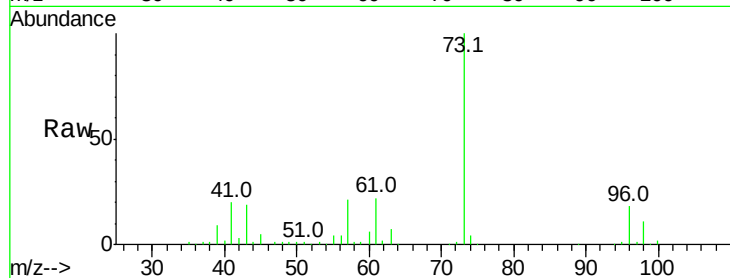




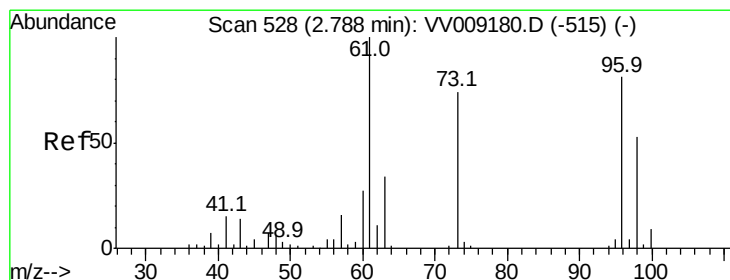
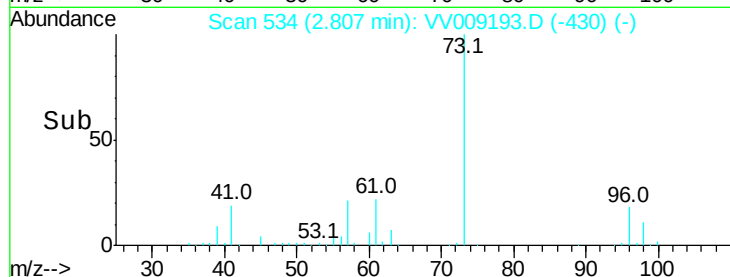
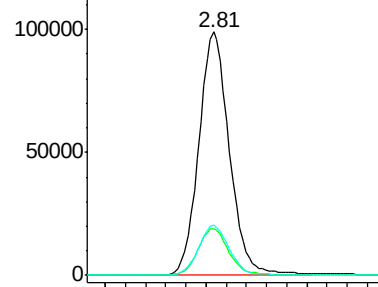
#17
Methyl tert-butyl Ether
Concen: 24.379 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV009193.D
Acq: 08 Jan 2019 13:57

Instrument :
MSVOA_V
ClientSampled :
VSTD02579

Tgt Ion: 73 Resp: 209665
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.2
57 20.5 16.2 24.2

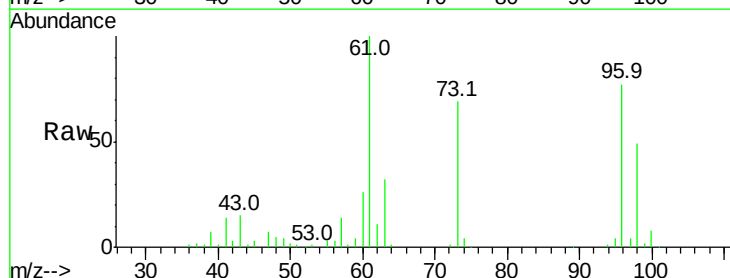


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

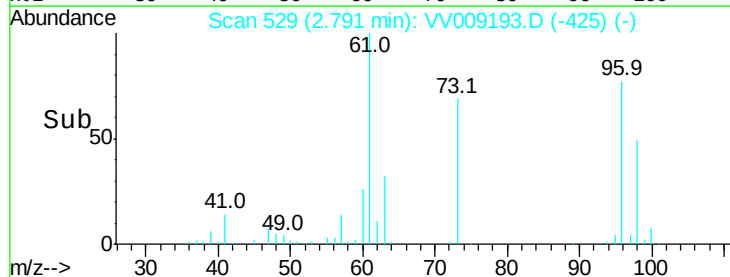
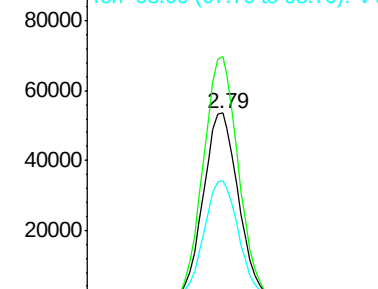


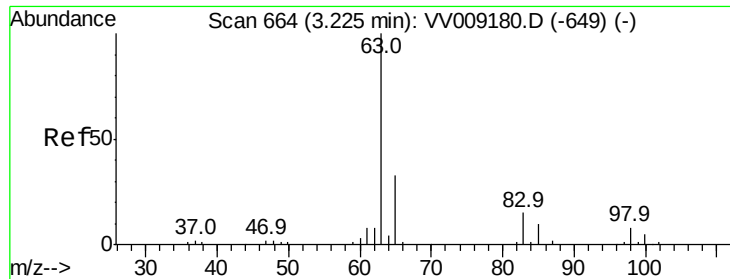
#18
trans-1,2-Dichloroethene
Concen: 24.731 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009193.D
Acq: 08 Jan 2019 13:57

Tgt Ion: 96 Resp: 92028
Ion Ratio Lower Upper
96 100
61 130.4 88.8 164.8
98 63.7 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

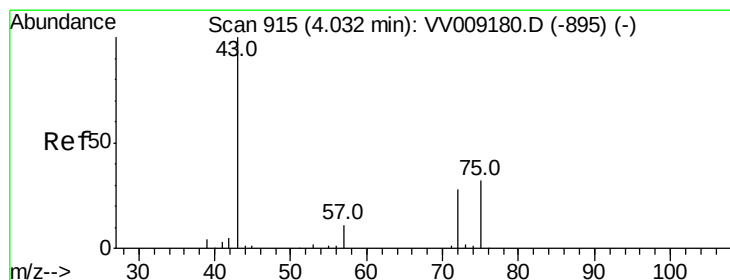
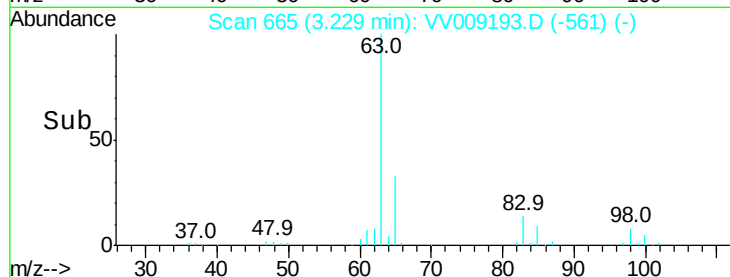
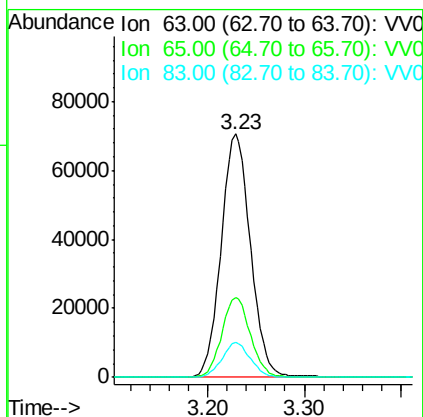
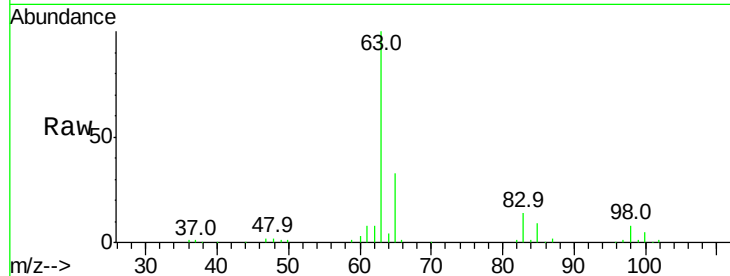




#19
 1,1-Dichloroethane
 Concen: 24.086 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

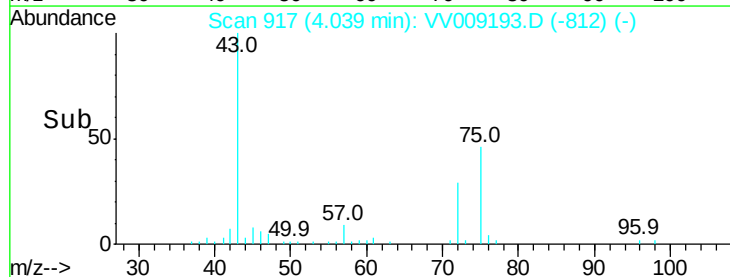
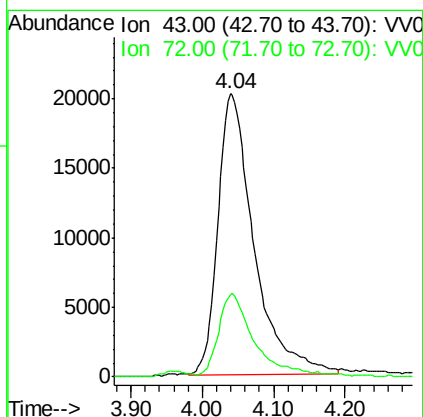
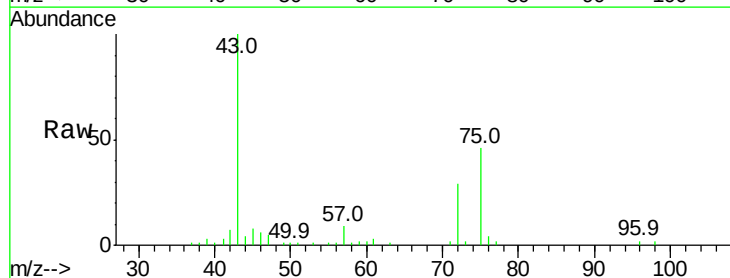
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

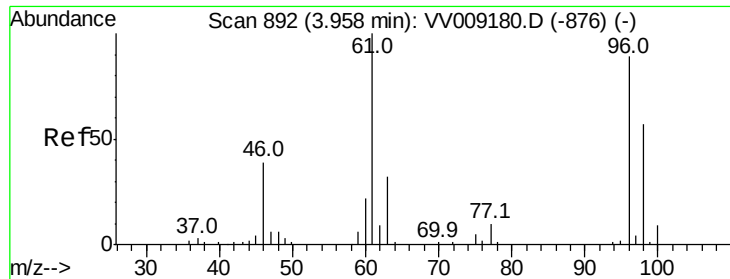
Tgt Ion: 63 Resp: 148835
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.6 42.0
 83 14.5 9.9 18.3



#21
 2-Butanone
 Concen: 42.083 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

Tgt Ion: 43 Resp: 71405
 Ion Ratio Lower Upper
 43 100
 72 25.7 0.1 0.1#



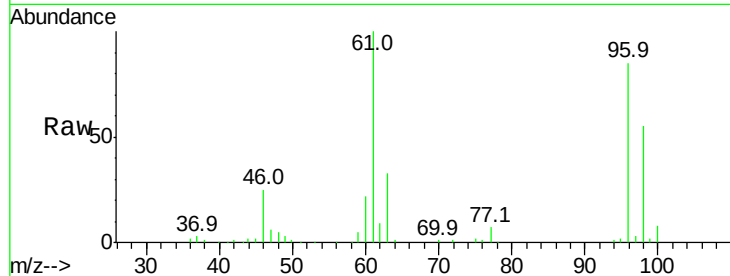


#22

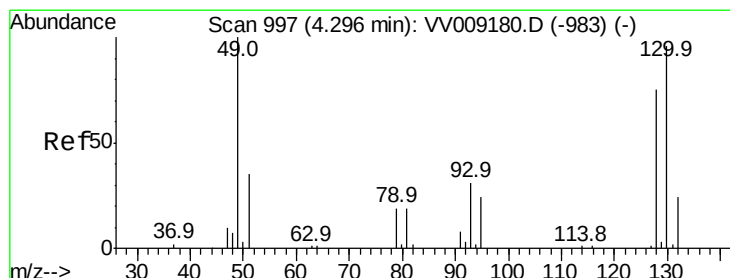
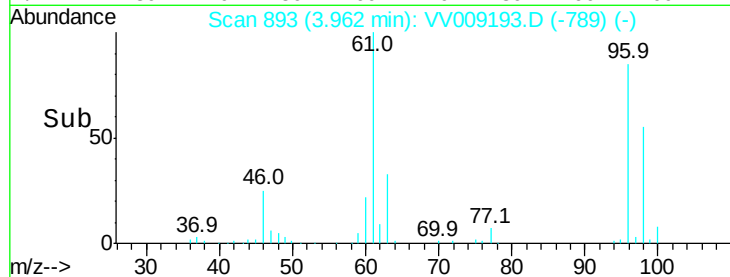
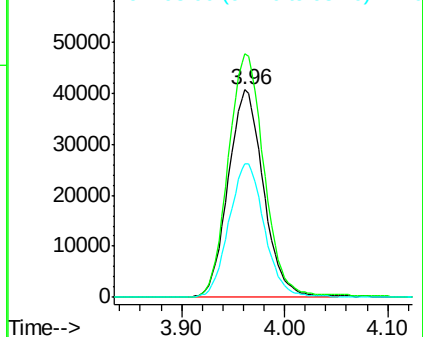
cis-1,2-Dichloroethene
Concen: 24.417 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009193.D
Acq: 08 Jan 2019 13:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

Tgt Ion: 96 Resp: 97131
Ion Ratio Lower Upper
96 100
61 117.4 83.2 154.6
98 64.5 45.8 85.2



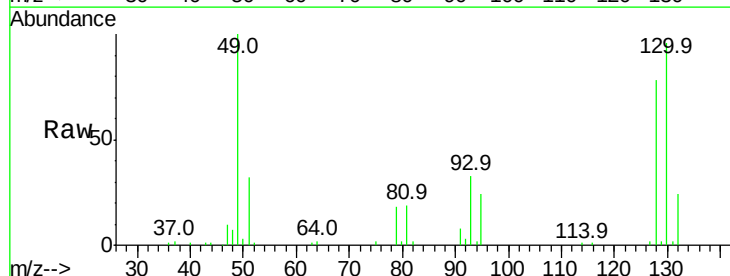
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



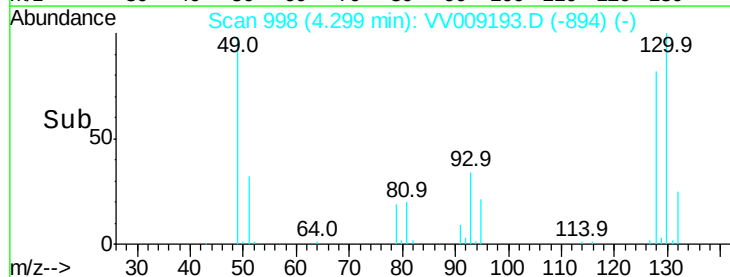
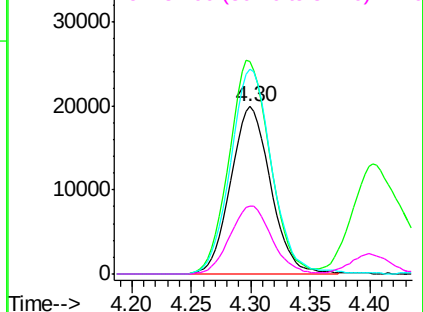
#23

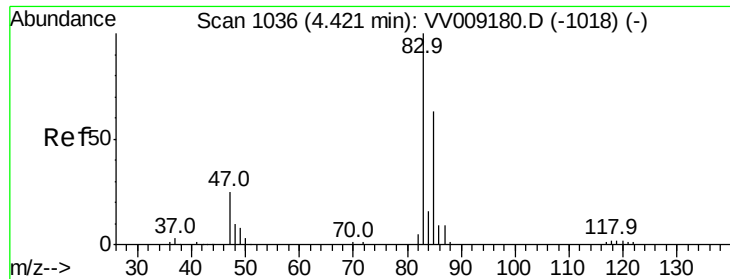
Bromochloromethane
Concen: 24.818 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV009193.D
Acq: 08 Jan 2019 13:57

Tgt Ion: 128 Resp: 46447
Ion Ratio Lower Upper
128 100
49 127.4 89.9 167.0
130 122.7 87.8 163.2
51 40.7 33.8 50.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

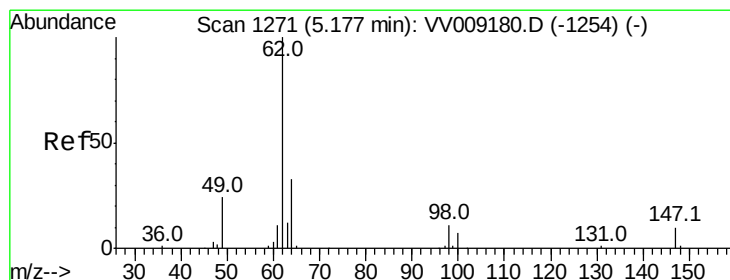
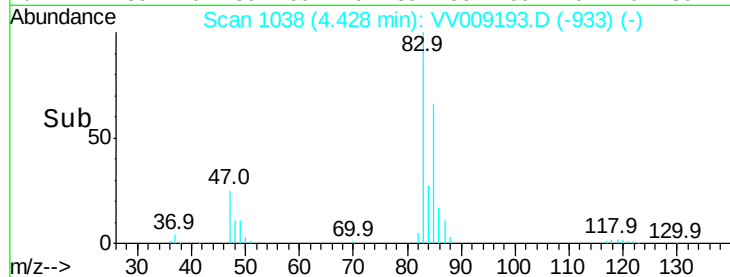
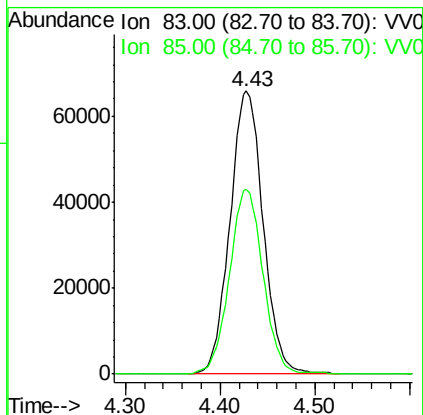
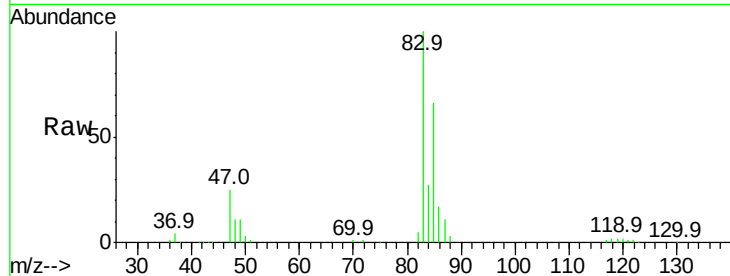




#25
Chloroform
Concen: 24.397 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV009193.D
Acq: 08 Jan 2019 13:57

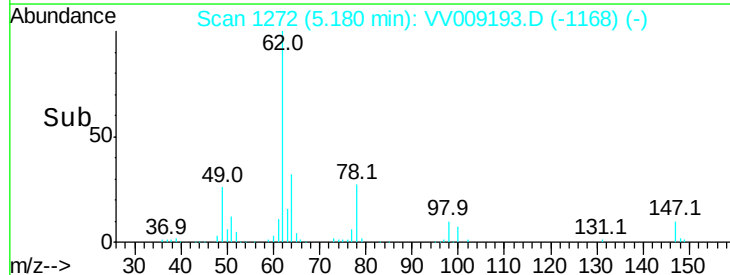
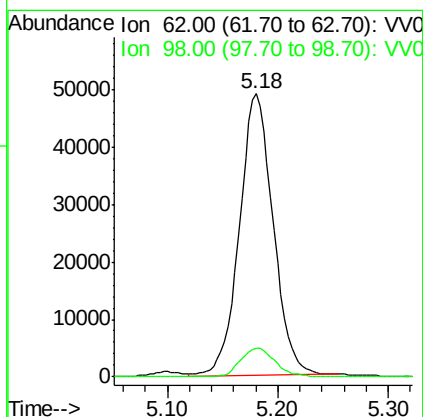
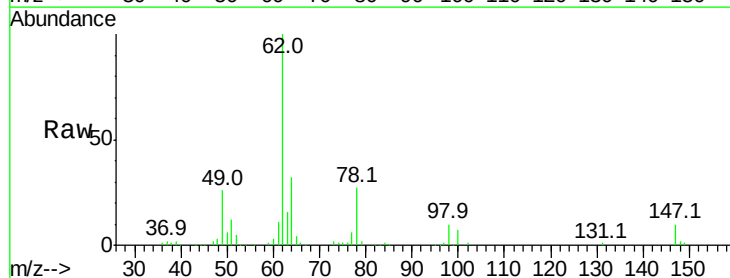
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

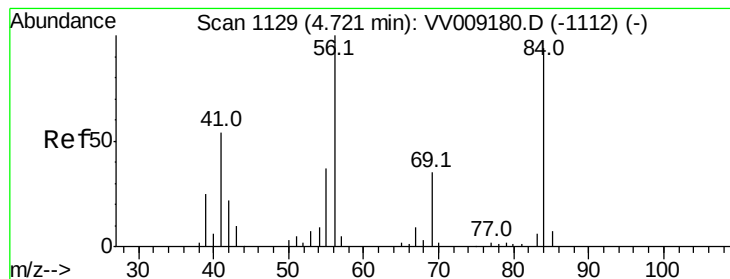
Tgt Ion: 83 Resp: 160536
Ion Ratio Lower Upper
83 100
85 66.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 23.485 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009193.D
Acq: 08 Jan 2019 13:57

Tgt Ion: 62 Resp: 103804
Ion Ratio Lower Upper
62 100
98 10.2 8.1 12.1





#30

Cyclohexane

Concen: 24.809 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

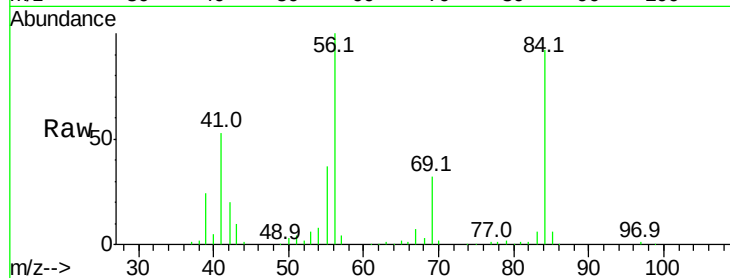
Tgt Ion: 56 Resp: 142404

Ion Ratio Lower Upper

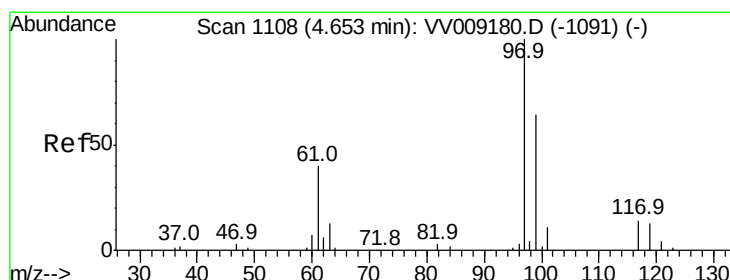
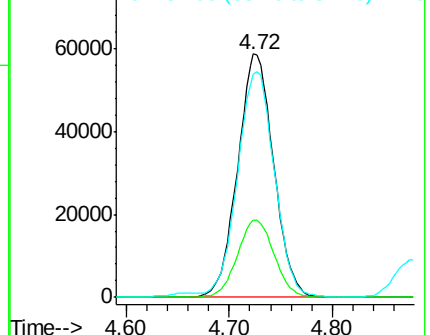
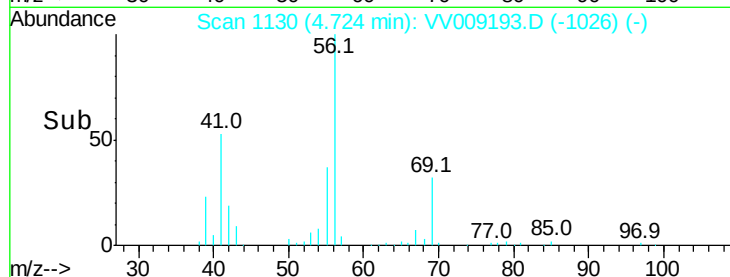
56 100

69 32.4 26.0 39.0

84 94.5 77.0 115.4



Abundance Ion 56.00 (55.70 to 56.70): VV009193.D (-1026) (-)



#31

1,1,1-Trichloroethane

Concen: 23.488 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

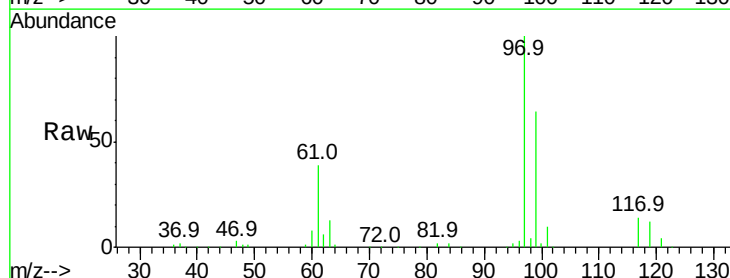
Tgt Ion: 97 Resp: 147860

Ion Ratio Lower Upper

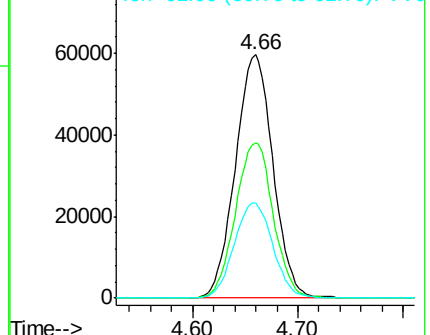
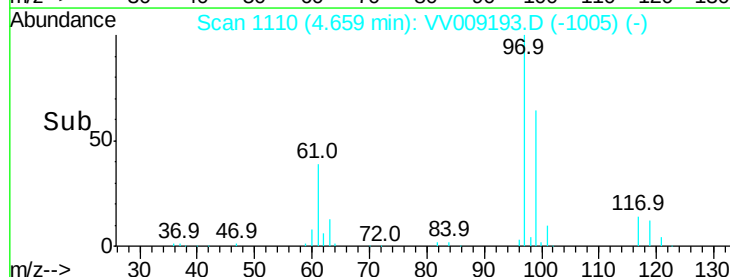
97 100

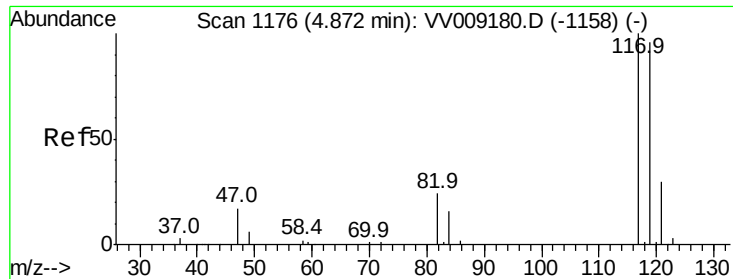
99 64.1 51.2 76.8

61 40.1 31.8 47.6



Abundance Ion 97.00 (96.70 to 97.70): VV009193.D (-1005) (-)





#32

Carbon tetrachloride

Concen: 23.633 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

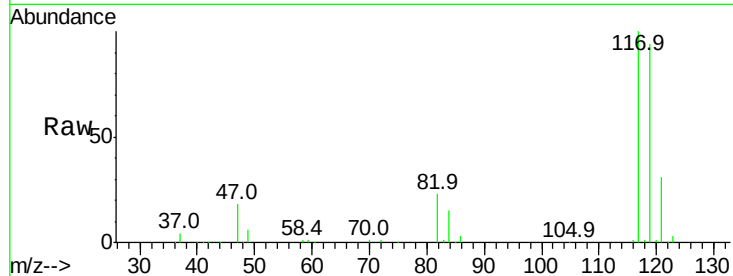
VSTD02579

Tgt Ion:117 Resp: 136170

Ion Ratio Lower Upper

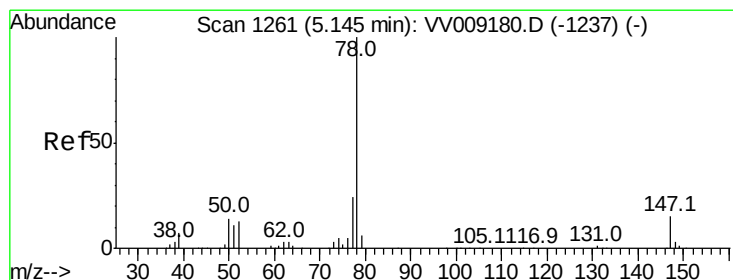
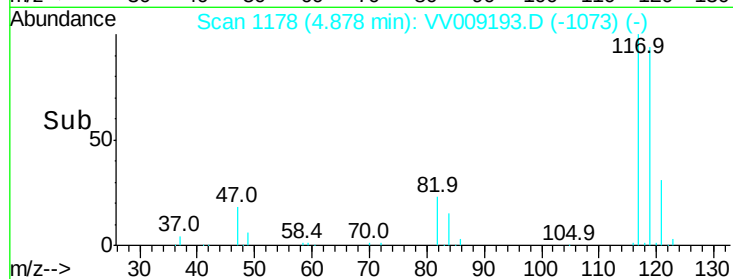
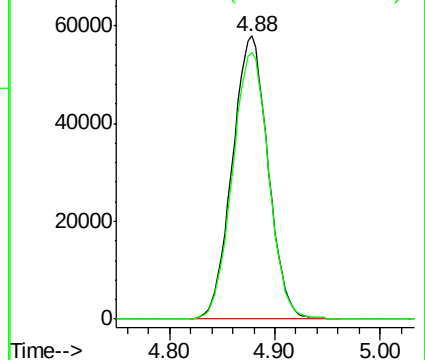
117 100

119 95.4 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.870 ug/L

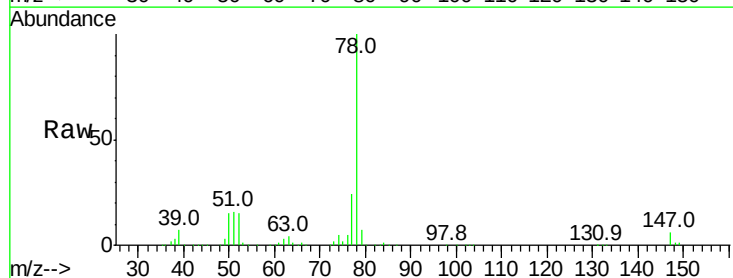
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

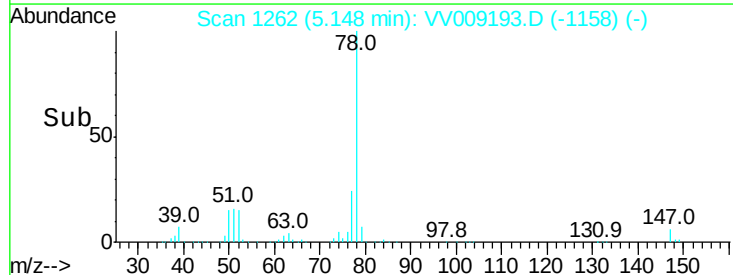
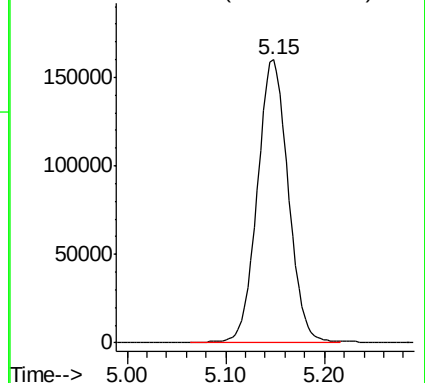
Lab File: VV009193.D

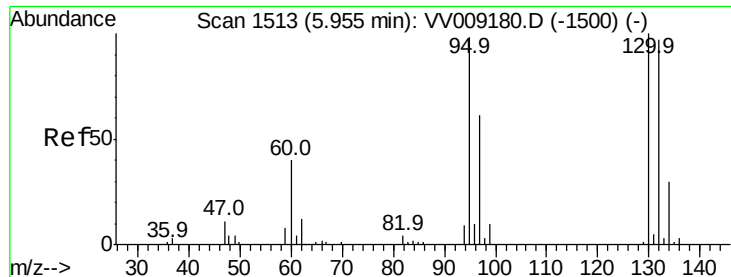
Acq: 08 Jan 2019 13:57

Tgt Ion: 78 Resp: 346175



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 24.418 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

Tgt Ion: 95 Resp: 97918

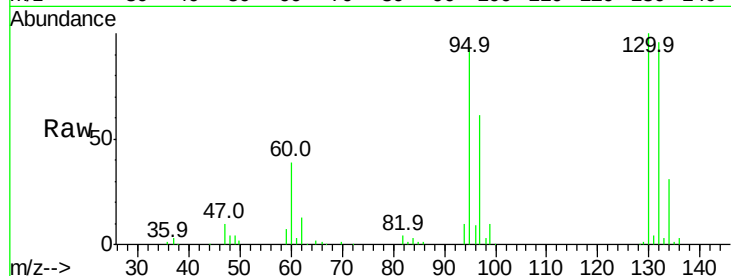
Ion Ratio Lower Upper

95 100

97 63.8 46.2 85.8

132 101.7 73.9 137.3

130 106.3 77.0 143.0

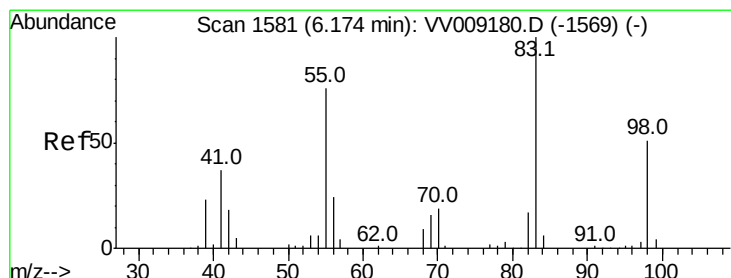
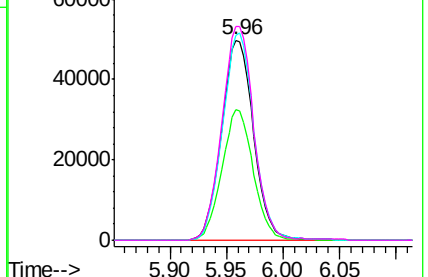
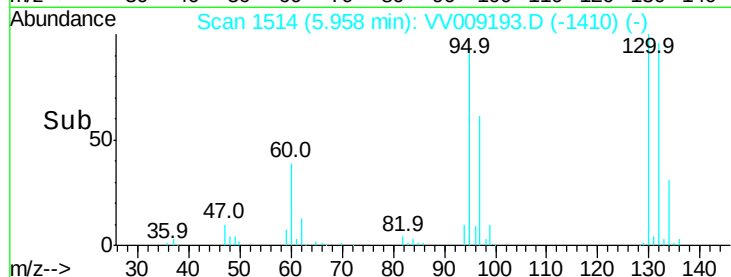


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 24.664 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

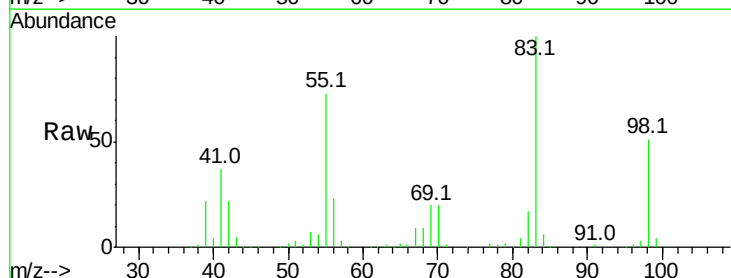
Tgt Ion: 83 Resp: 165256

Ion Ratio Lower Upper

83 100

55 72.0 58.5 87.7

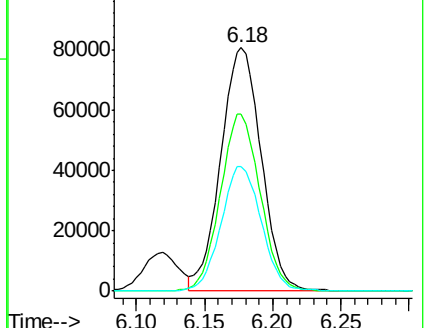
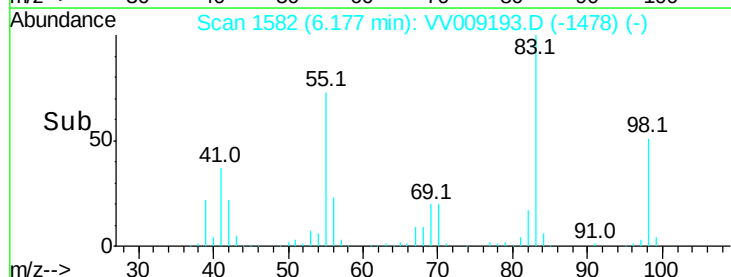
98 51.3 41.4 62.0

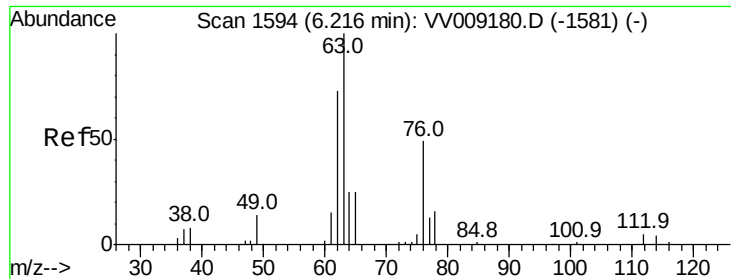


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

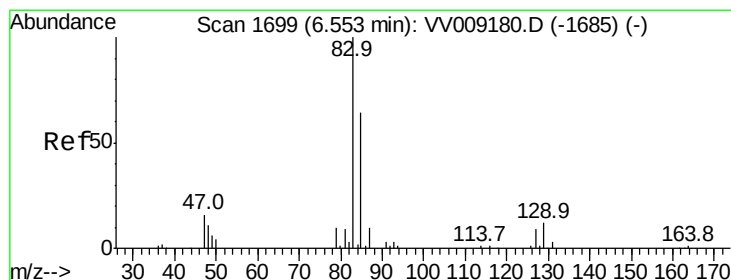
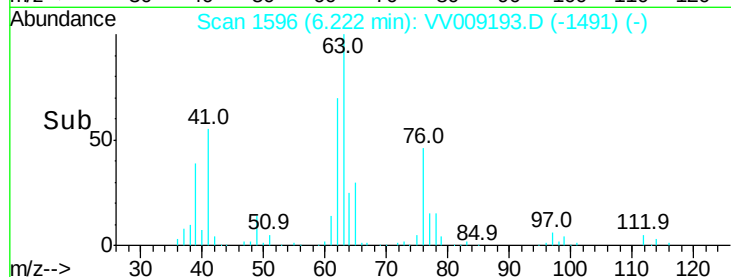
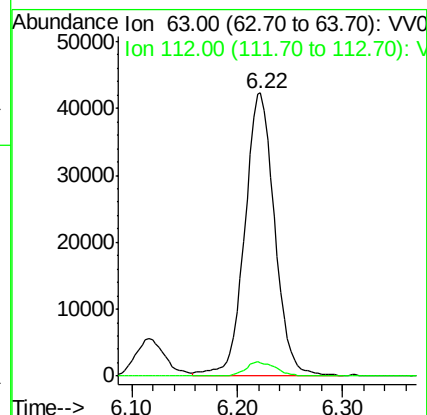
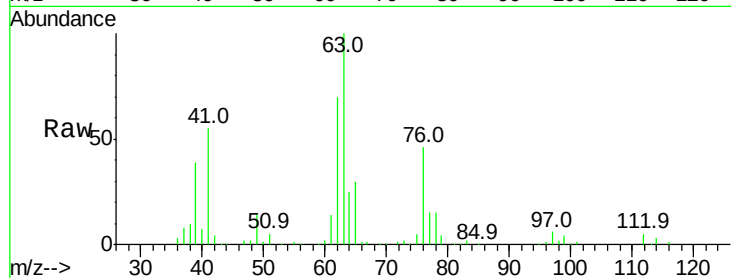




#40
 1,2-Dichloropropane
 Concen: 24.715 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

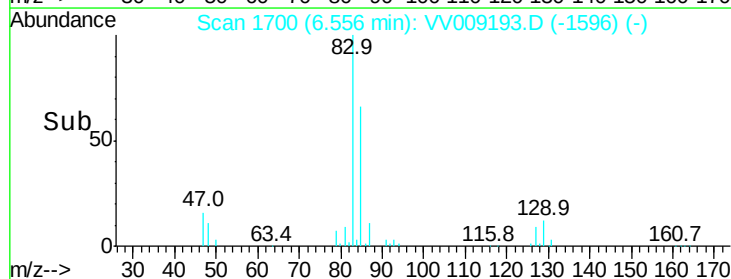
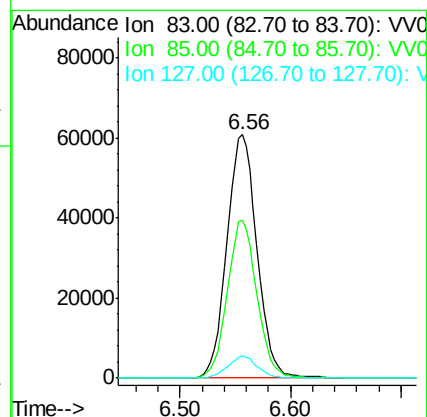
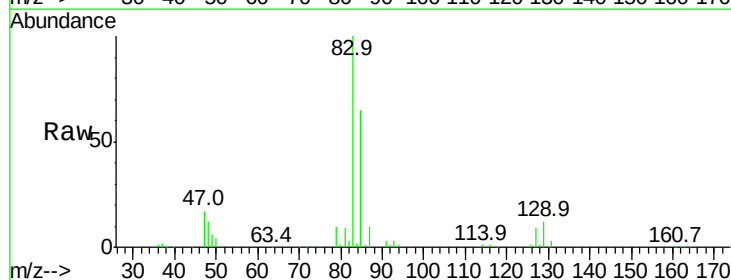
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

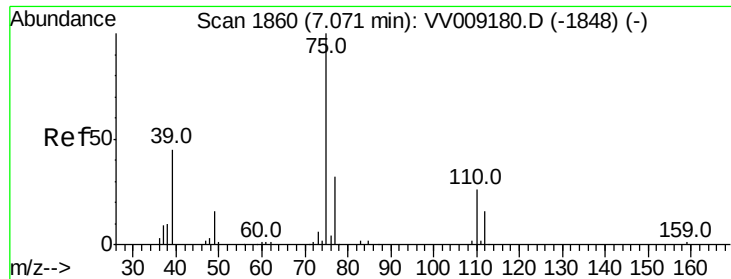
Tgt Ion: 63 Resp: 82917
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.062 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

Tgt Ion: 83 Resp: 115248
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.3 84.1
 127 9.0 7.8 11.6





#42

cis-1,3-Dichloropropene

Concen: 25.782 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

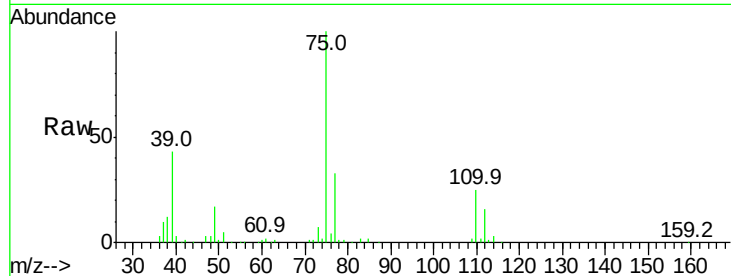
VSTD02579

Tgt Ion: 75 Resp: 137066

Ion Ratio Lower Upper

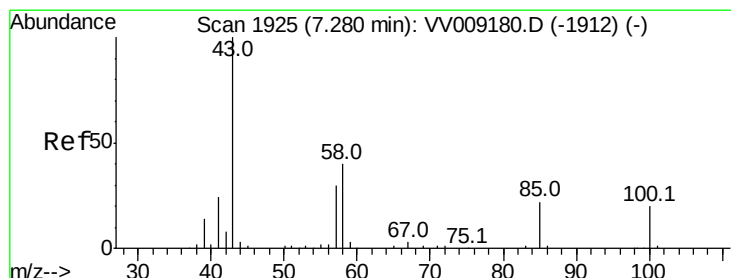
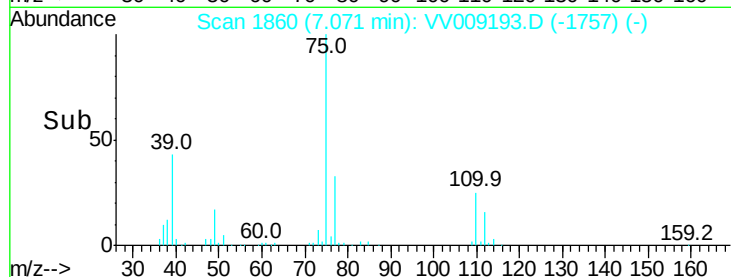
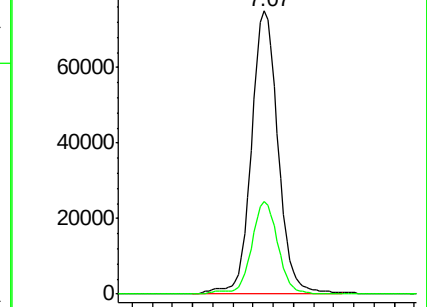
75 100

77 32.5 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VV009180.D (-1848) (-)

Ion 77.00 (76.70 to 77.70): VV009180.D (-1848) (-)



#43

4-Methyl-2-pentanone

Concen: 34.035 ug/L

RT: 7.28 min Scan# 1926

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

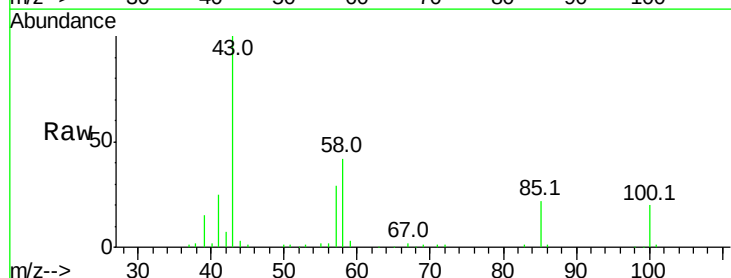
Tgt Ion: 43 Resp: 108839

Ion Ratio Lower Upper

43 100

58 41.0 33.4 50.2

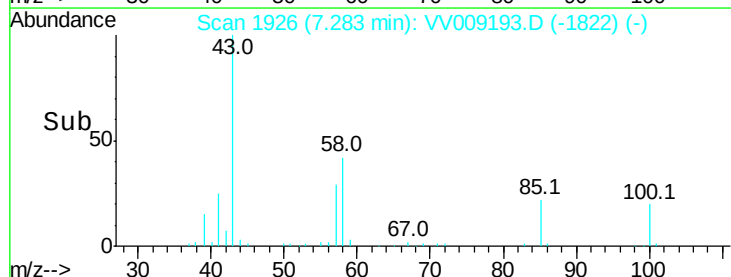
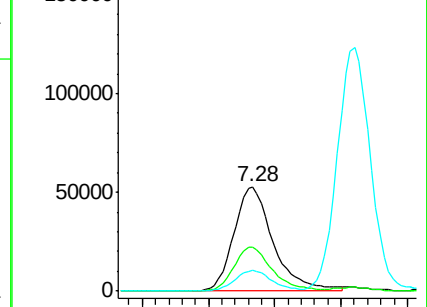
100 18.7 15.2 22.8

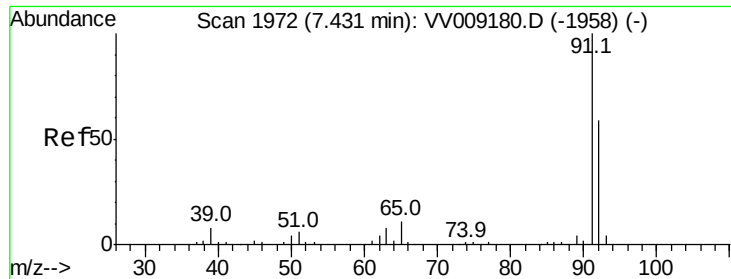


Abundance Ion 43.00 (42.70 to 43.70): VV009180.D (-1912) (-)

Ion 58.00 (57.70 to 58.70): VV009180.D (-1912) (-)

Ion 100.00 (99.70 to 100.70): VV009180.D (-1912) (-)





#44

Toluene

Concen: 24.383 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

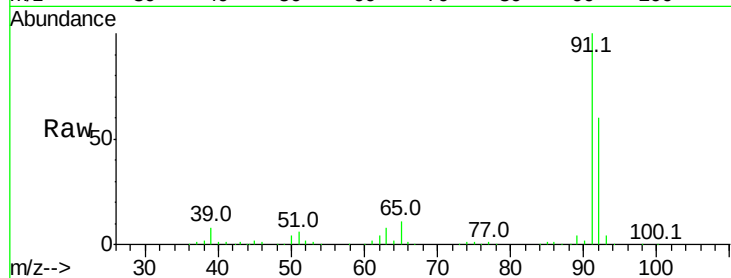
VSTD02579

Tgt Ion: 91 Resp: 365920

Ion Ratio Lower Upper

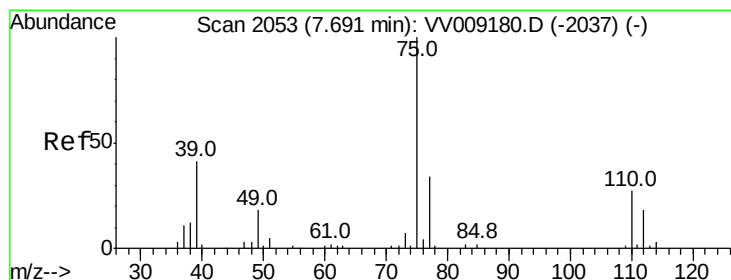
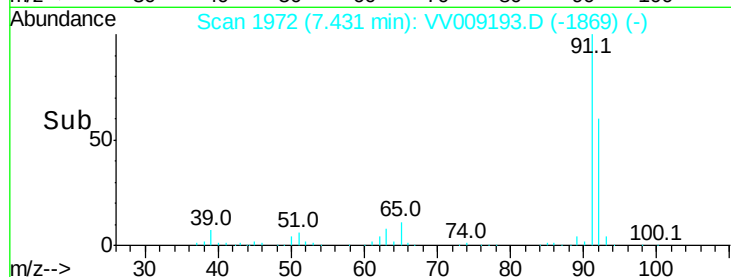
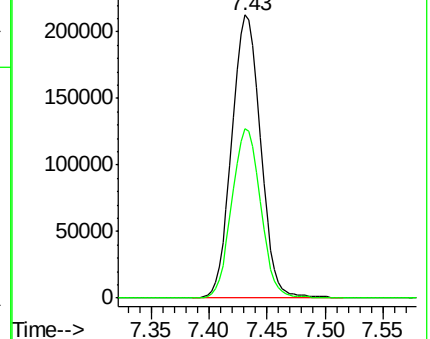
91 100

92 59.7 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 24.818 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009193.D

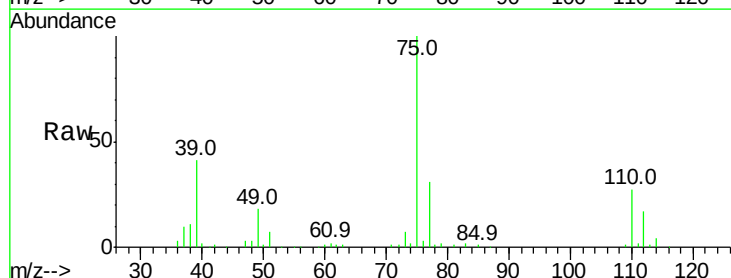
Acq: 08 Jan 2019 13:57

Tgt Ion: 75 Resp: 115515

Ion Ratio Lower Upper

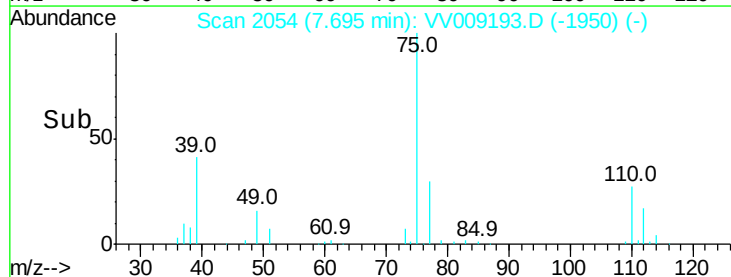
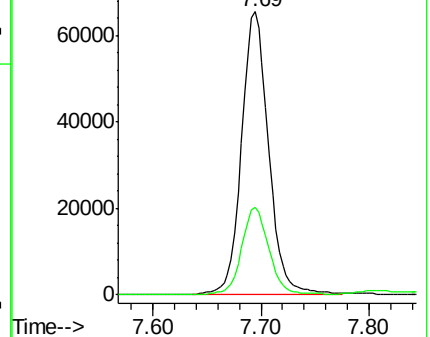
75 100

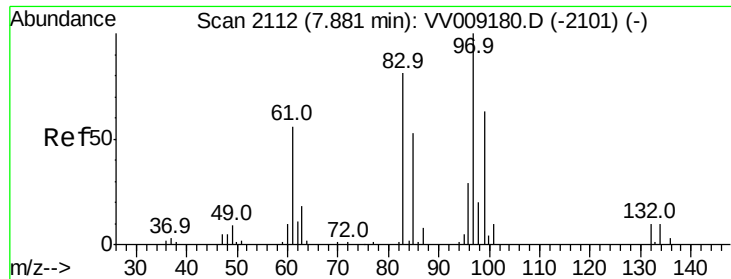
77 30.7 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

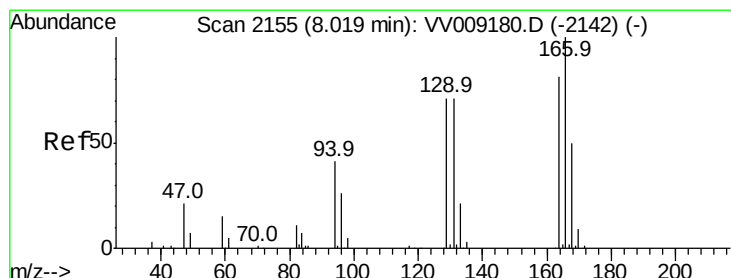
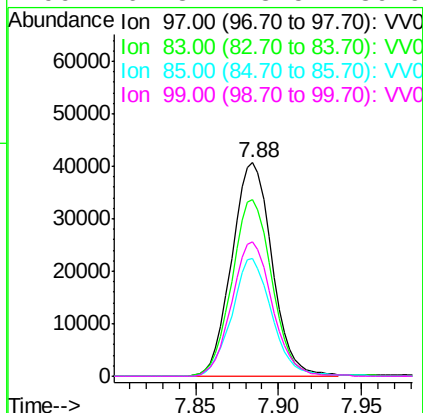
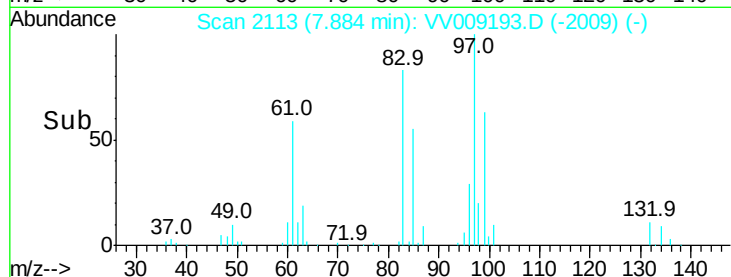
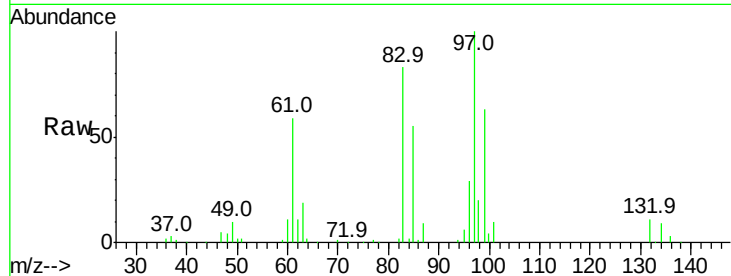




#46
 1,1,2-Trichloroethane
 Concen: 23.285 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

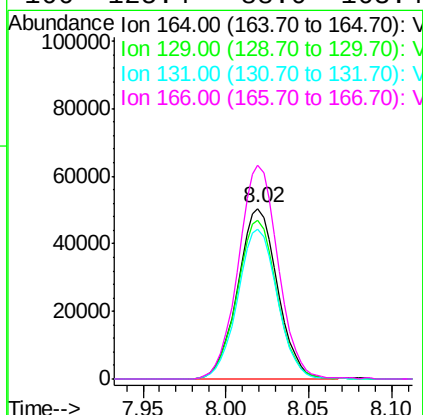
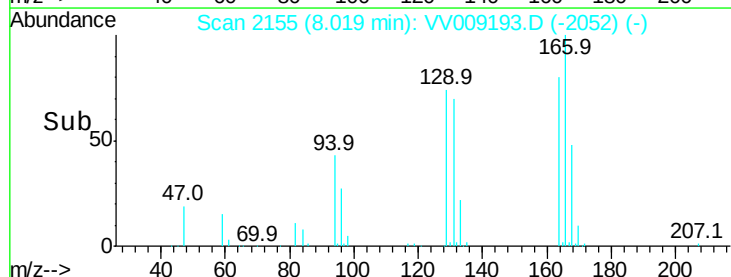
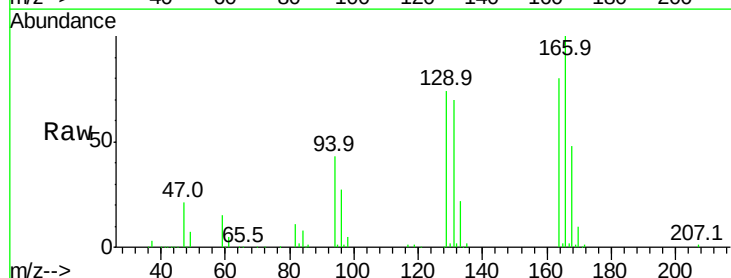
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

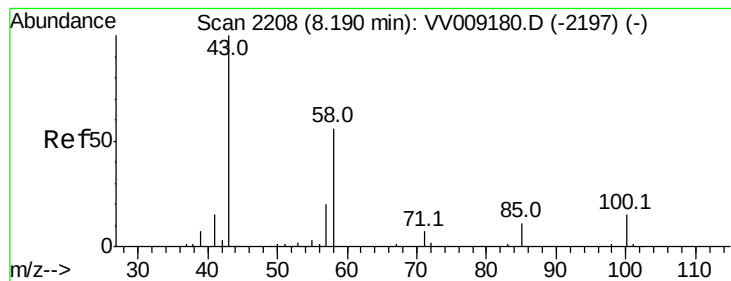
Tgt Ion: 97 Resp: 69044
 Ion Ratio Lower Upper
 97 100
 83 82.8 56.0 104.0
 85 54.9 36.5 67.9
 99 62.8 43.5 80.9



#47
 Tetrachloroethene
 Concen: 24.168 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

Tgt Ion: 164 Resp: 83965
 Ion Ratio Lower Upper
 164 100
 129 93.3 63.5 117.9
 131 88.3 63.2 117.4
 166 125.4 88.0 163.4





#49

2-Hexanone

Concen: 39.796 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

Tgt Ion: 43 Resp: 93661

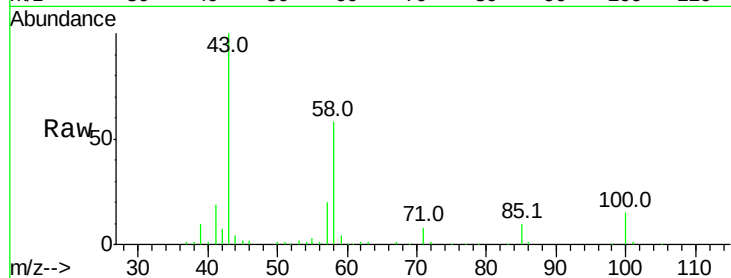
Ion Ratio Lower Upper

43 100

58 60.5 46.7 70.1

57 19.5 15.5 23.3

100 15.5 12.8 19.2

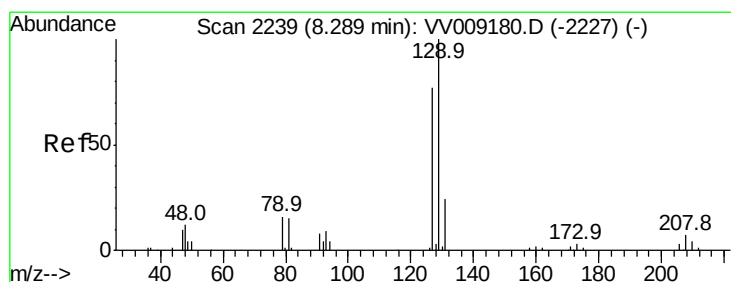
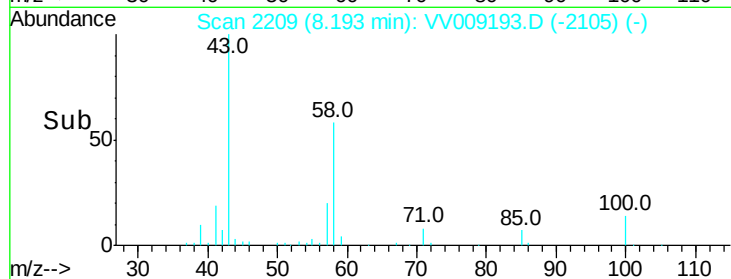
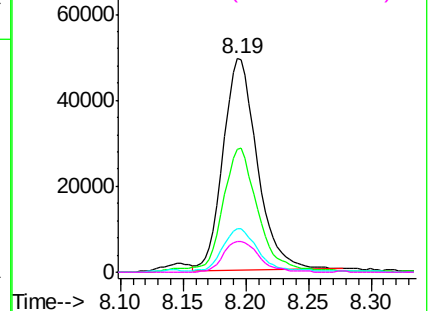


Abundance Ion 43.00 (42.70 to 43.70): VV0

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



#50

Dibromochloromethane

Concen: 23.663 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV009193.D

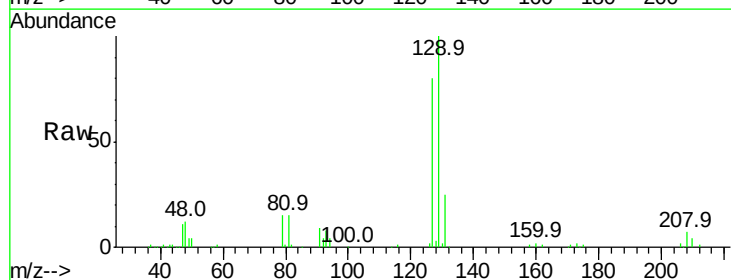
Acq: 08 Jan 2019 13:57

Tgt Ion: 129 Resp: 86198

Ion Ratio Lower Upper

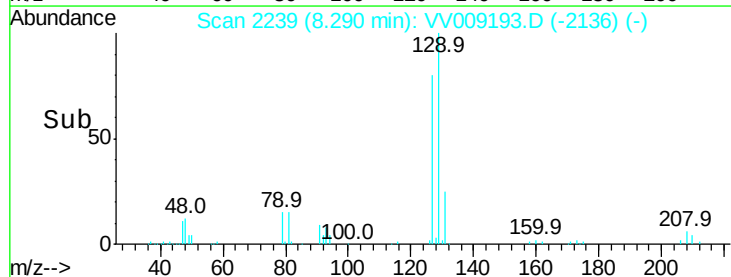
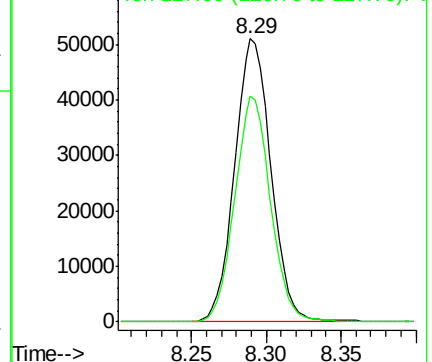
129 100

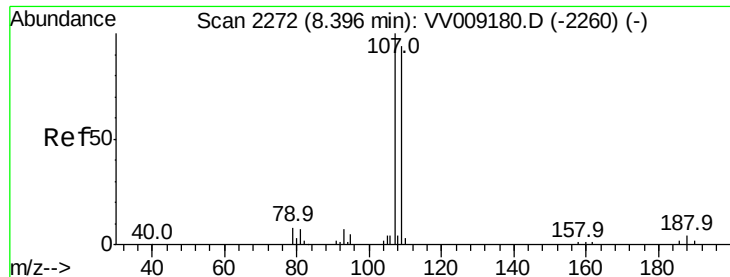
127 79.9 53.1 98.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 22.542 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

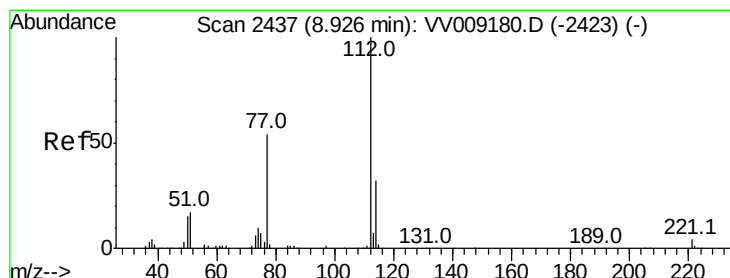
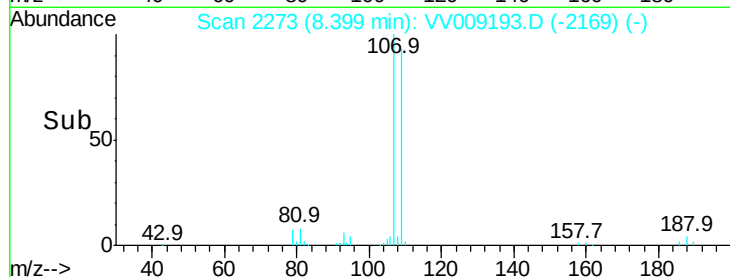
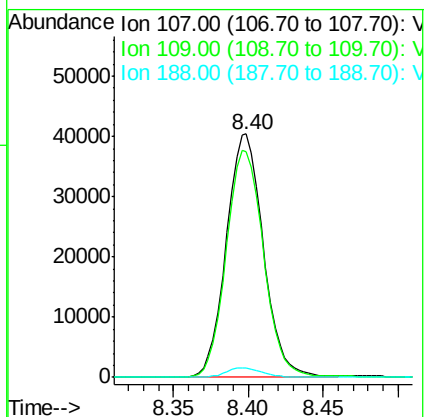
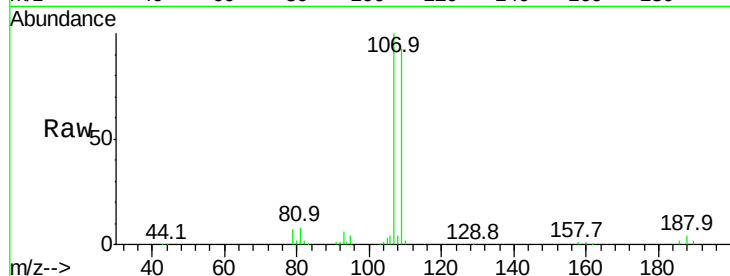
Tgt Ion:107 Resp: 69893

Ion Ratio Lower Upper

107 100

109 92.8 63.6 118.0

188 3.7 3.3 4.9



#52

Chlorobenzene

Concen: 24.203 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

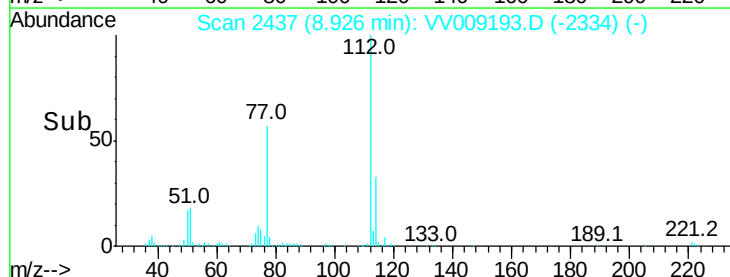
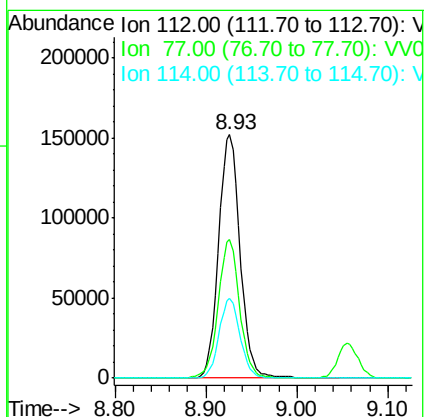
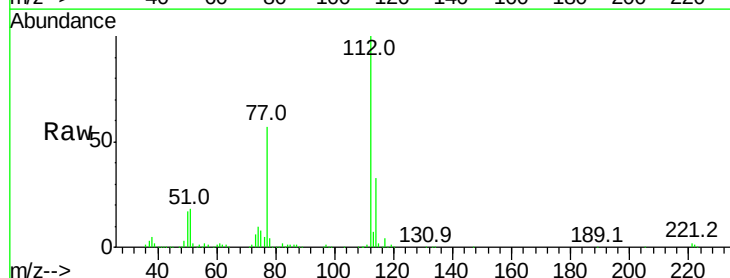
Tgt Ion:112 Resp: 249212

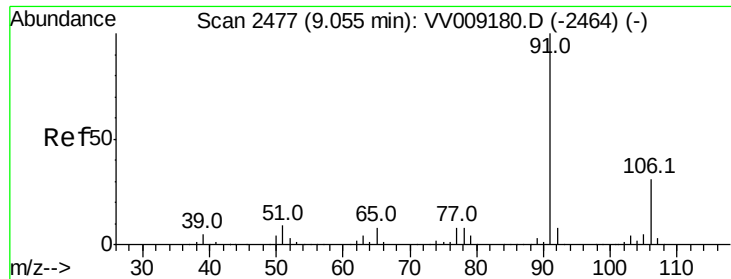
Ion Ratio Lower Upper

112 100

77 56.8 44.6 66.8

114 32.7 22.5 41.9





#53

Ethylbenzene

Concen: 24.687 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

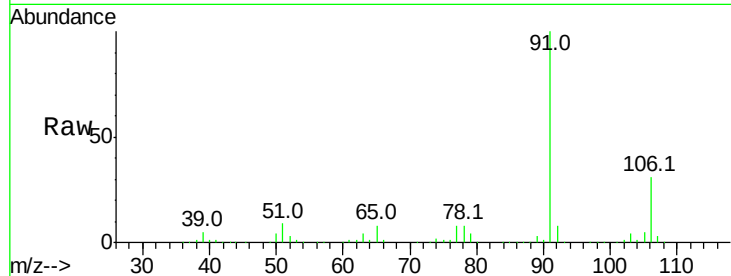
VSTD02579

Tgt Ion: 91 Resp: 418979

Ion Ratio Lower Upper

91 100

106 31.3 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VV009193.D (-2374) (-)

Ion 106.00 (105.70 to 106.70): VV009193.D (-2374) (-)

9.05

250000

200000

150000

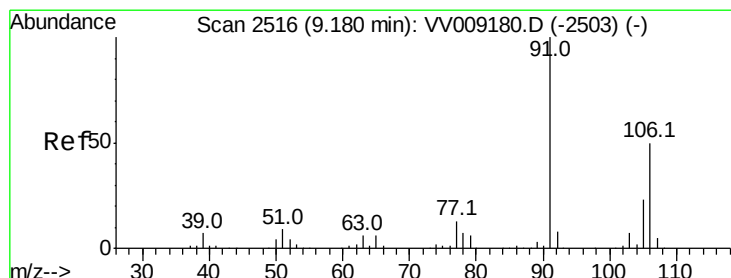
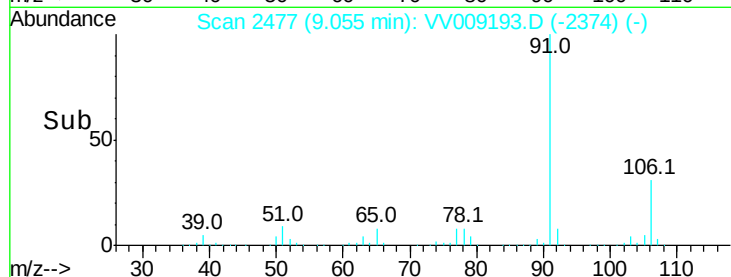
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#54

m,p-Xylene

Concen: 24.689 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009193.D

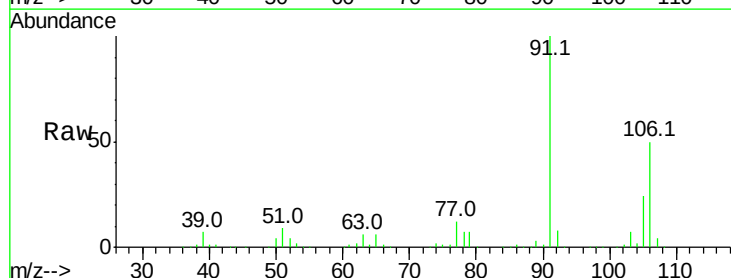
Acq: 08 Jan 2019 13:57

Tgt Ion: 106 Resp: 163250

Ion Ratio Lower Upper

106 100

91 198.9 138.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): VV009193.D (-2413) (-)

Ion 91.00 (90.70 to 91.70): VV009193.D (-2413) (-)

9.18

200000

150000

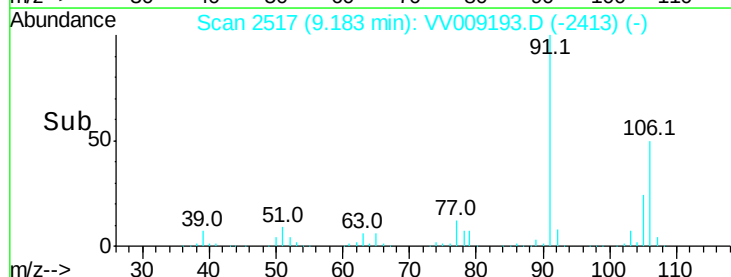
100000

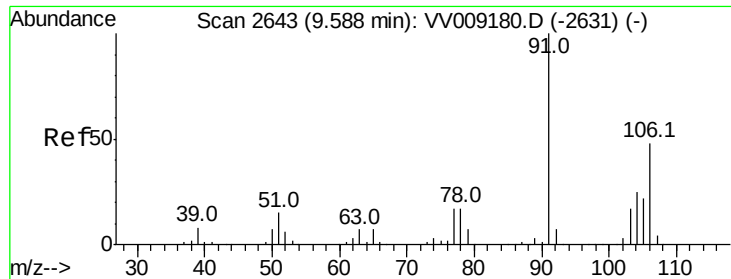
50000

0

9.10 9.20 9.30

Time-->





#55

o-xylene

Concen: 25.343 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

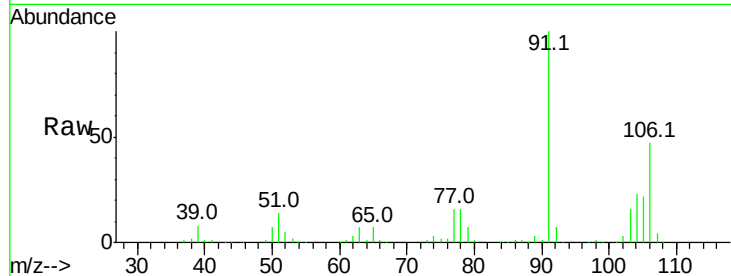
VSTD02579

Tgt Ion:106 Resp: 154948

Ion Ratio Lower Upper

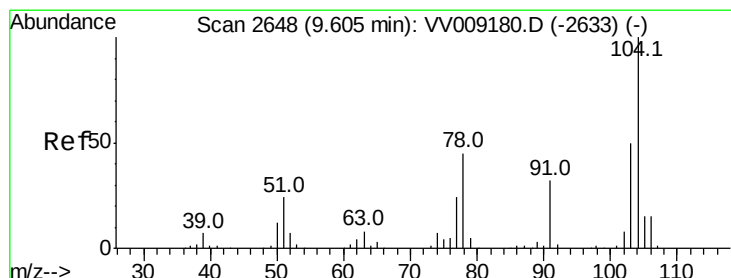
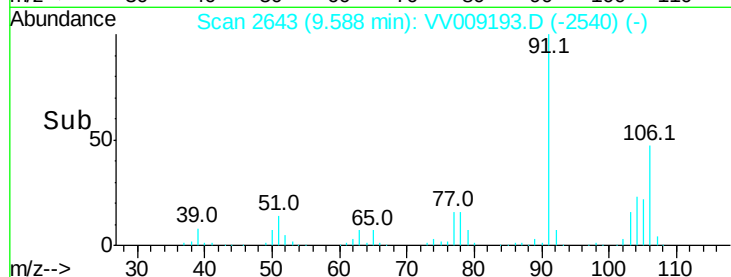
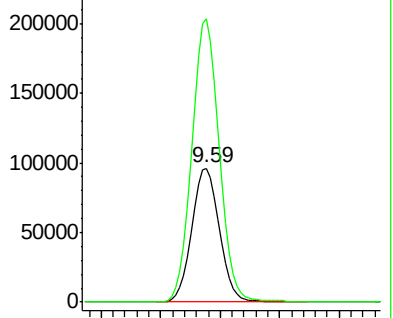
106 100

91 211.4 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 25.092 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009193.D

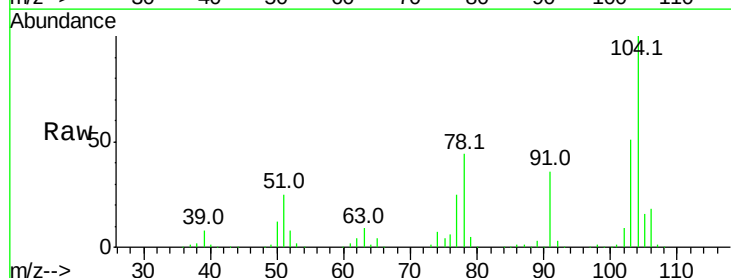
Acq: 08 Jan 2019 13:57

Tgt Ion:104 Resp: 258763

Ion Ratio Lower Upper

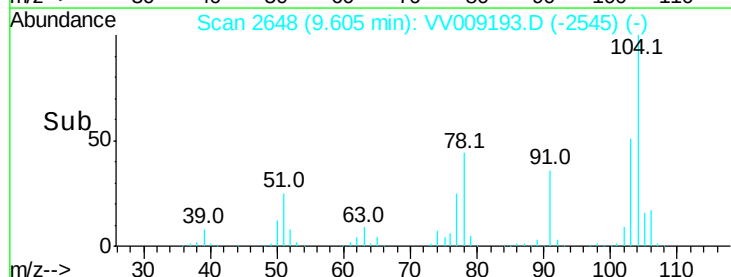
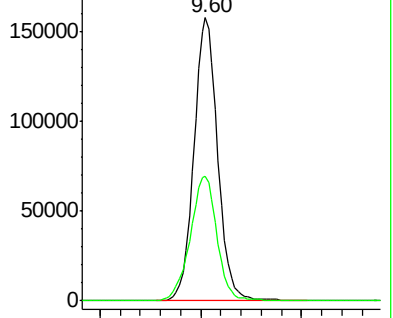
104 100

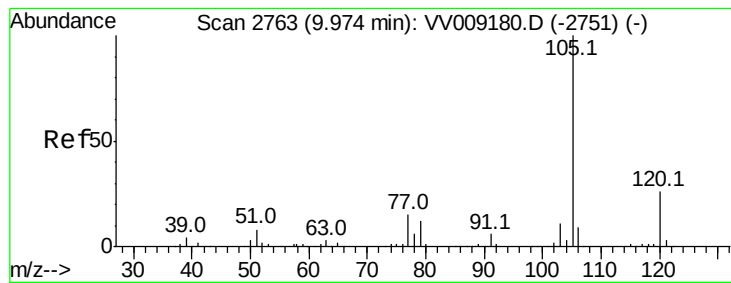
78 44.2 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 24.803 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

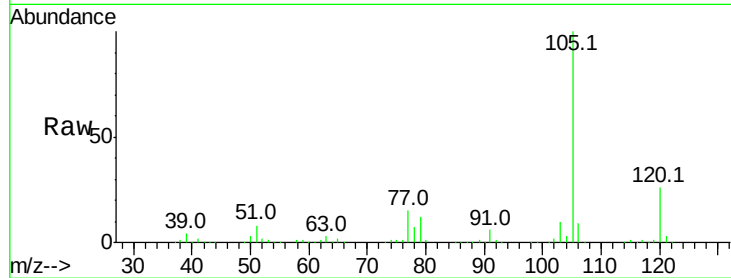
Tgt Ion:105 Resp: 420739

Ion Ratio Lower Upper

105 100

120 26.5 21.9 32.9

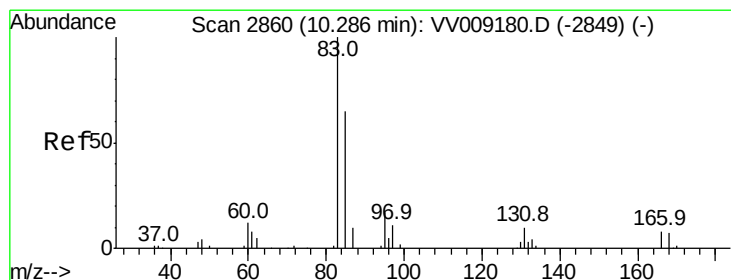
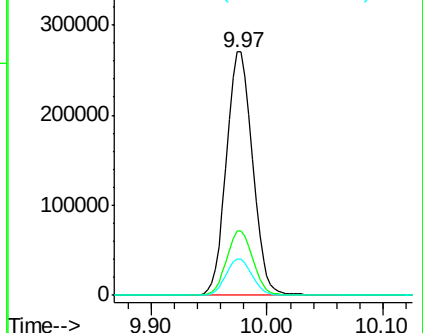
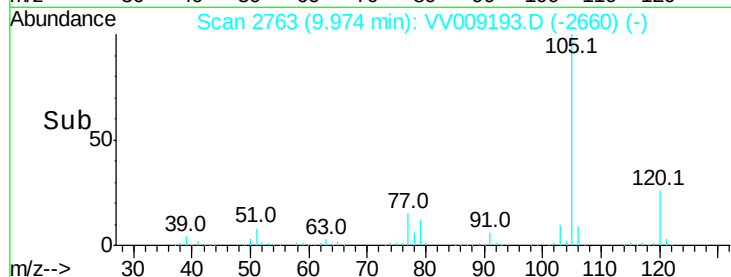
77 14.9 12.1 18.1



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: 21.040 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

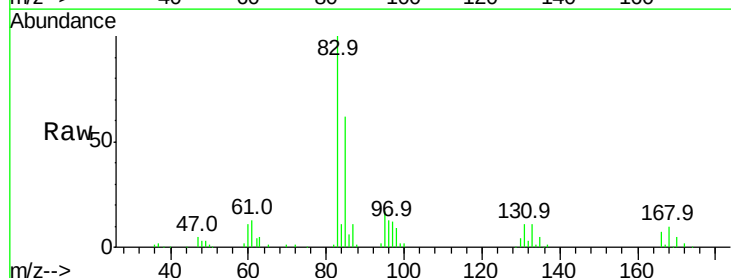
Tgt Ion: 83 Resp: 83588

Ion Ratio Lower Upper

83 100

85 62.4 45.4 84.2

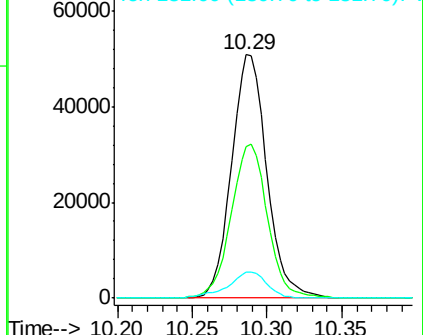
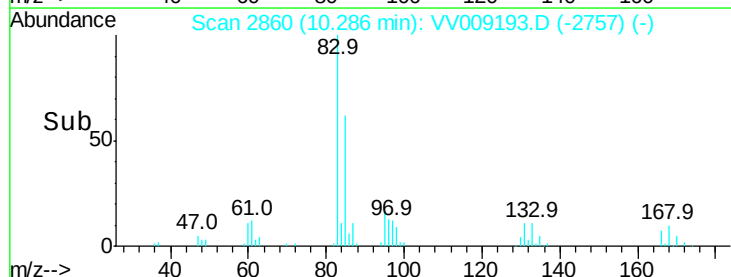
131 10.6 9.4 14.0

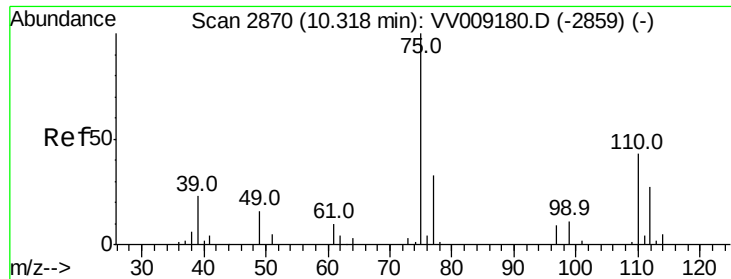


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

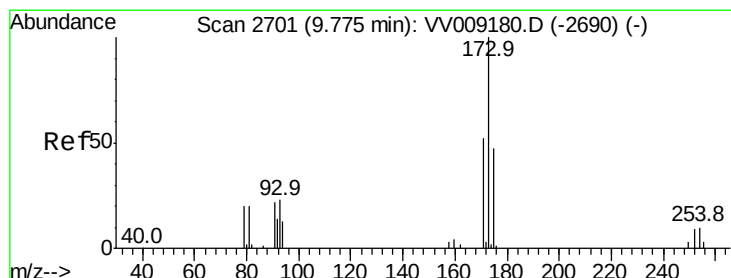
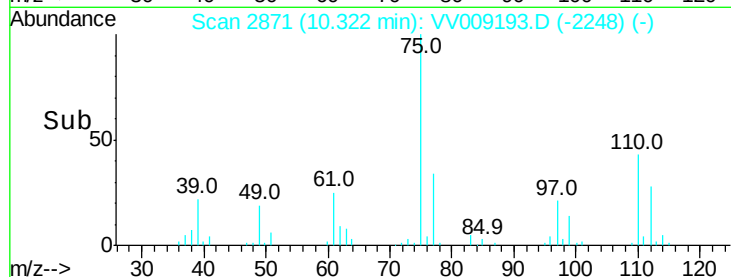
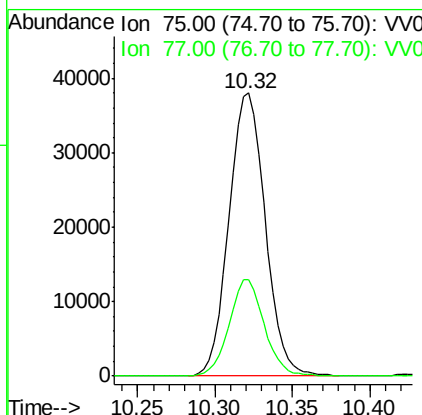
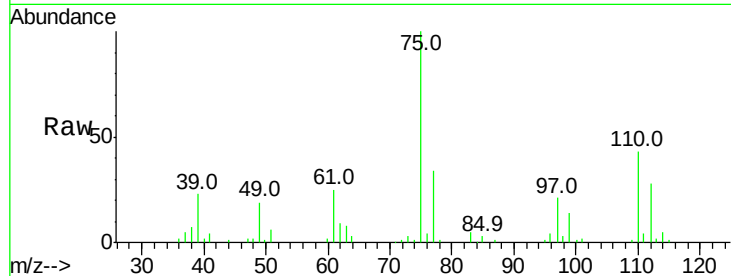




#59
 1,2,3-Trichloropropane
 Concen: 19.502 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

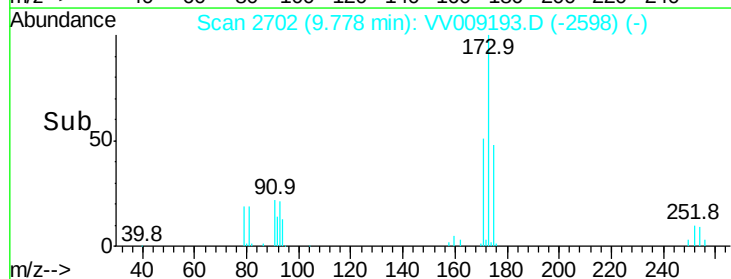
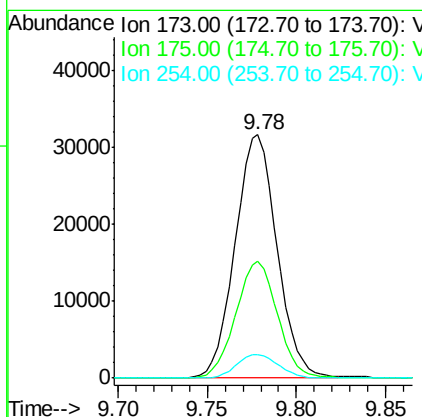
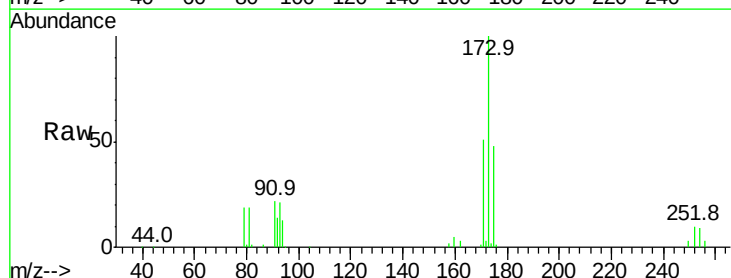
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

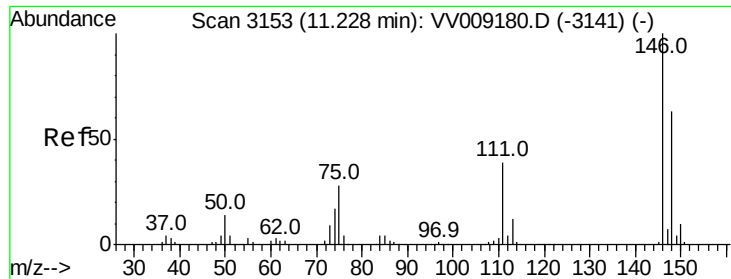
Tgt Ion: 75 Resp: 61929
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.0 37.6



#62
 Bromoform
 Concen: 22.498 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

Tgt Ion:173 Resp: 52020
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.4 57.6
 254 9.6 8.0 12.0

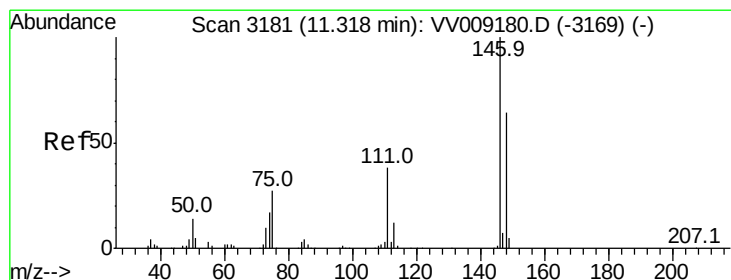
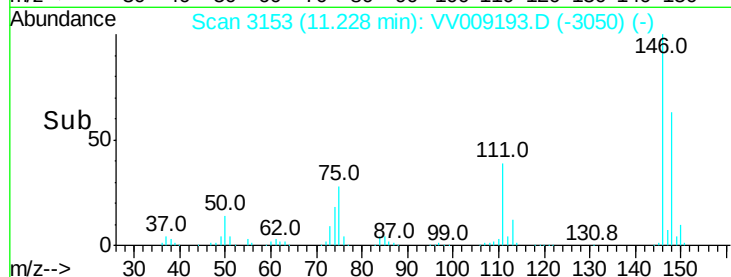
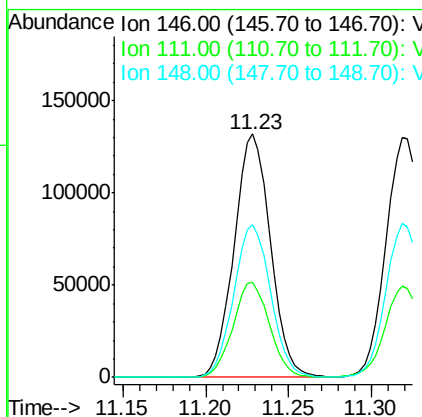
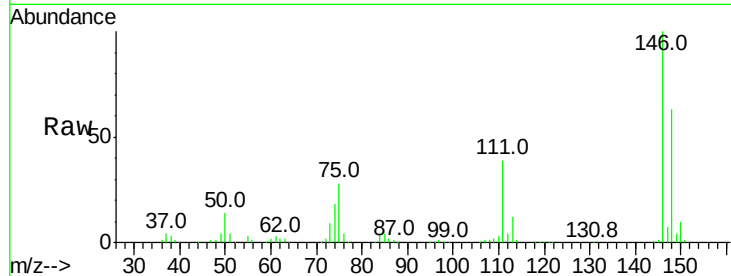




#63
 1,3-Dichlorobenzene
 Concen: 24.426 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

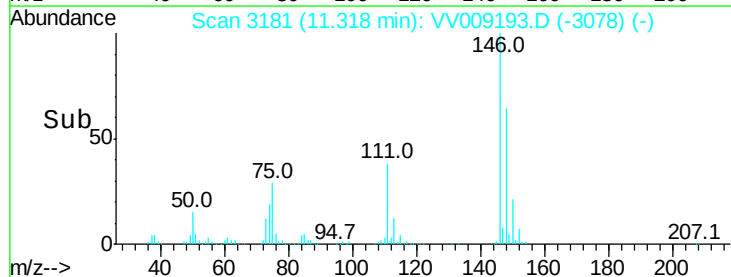
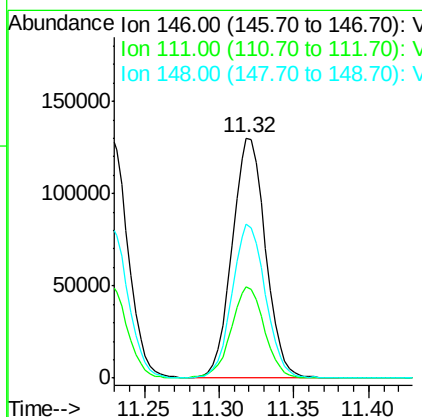
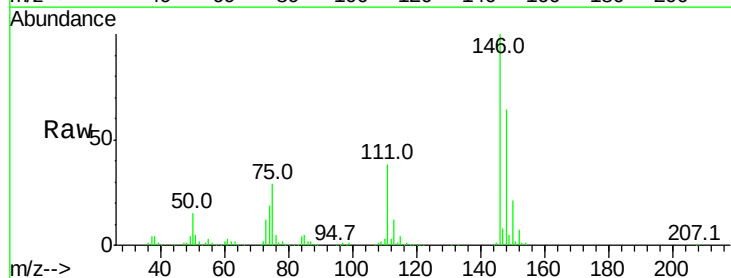
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

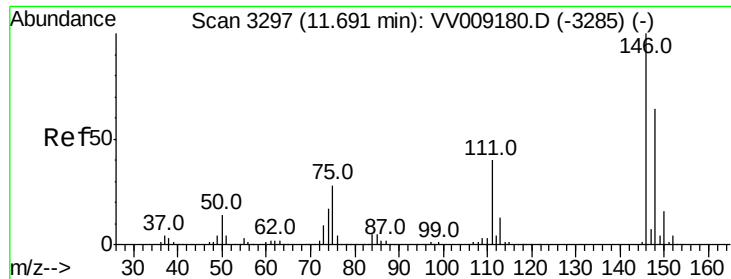
Tgt Ion:146 Resp: 201496
 Ion Ratio Lower Upper
 146 100
 111 38.9 28.0 52.0
 148 62.6 45.6 84.8



#64
 1,4-Dichlorobenzene
 Concen: 23.497 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

Tgt Ion:146 Resp: 202048
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.0 48.4
 148 64.1 43.4 80.6

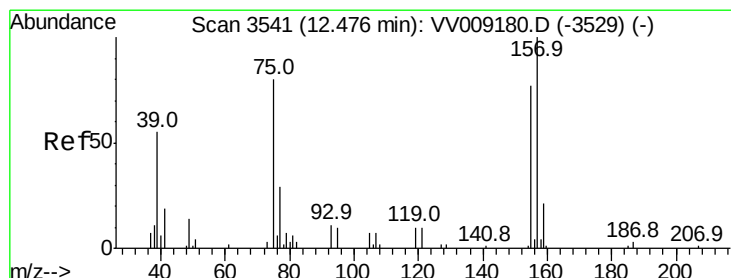
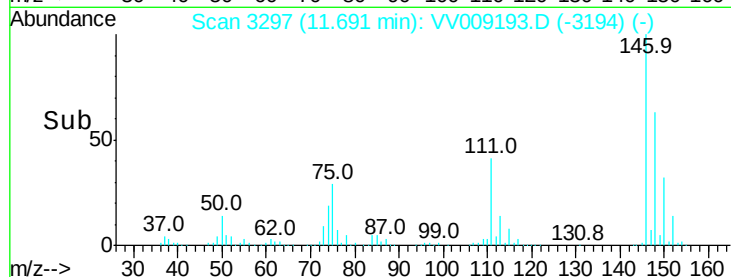
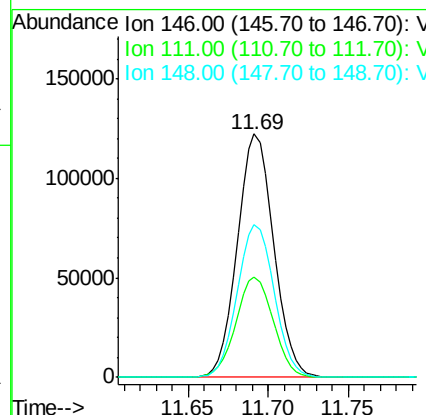
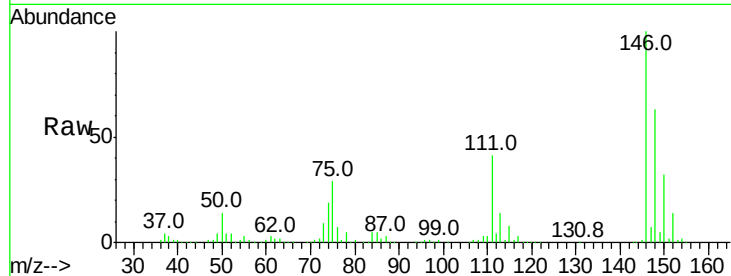




#65
 1,2-Dichlorobenzene
 Concen: 24.033 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

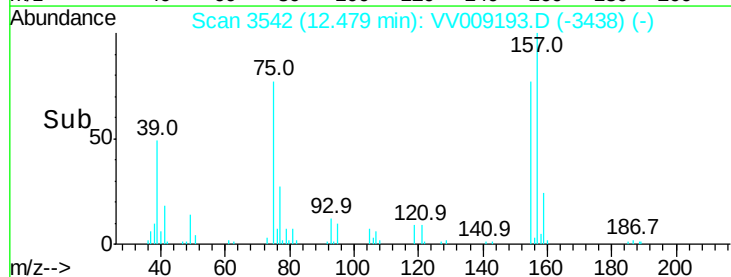
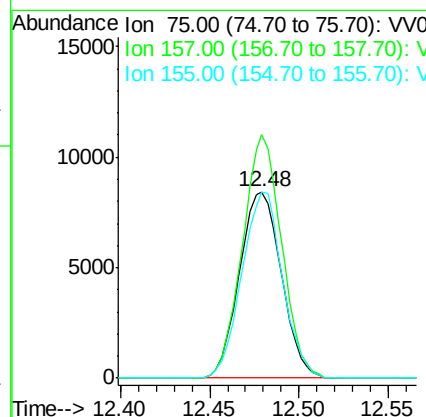
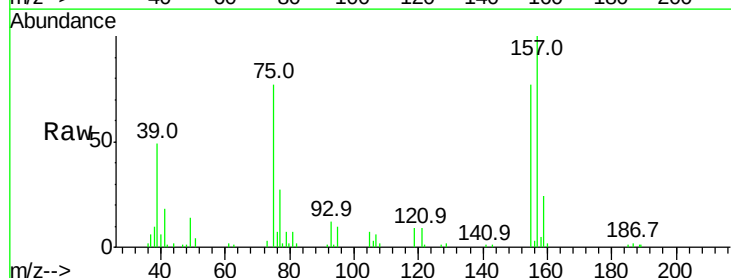
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

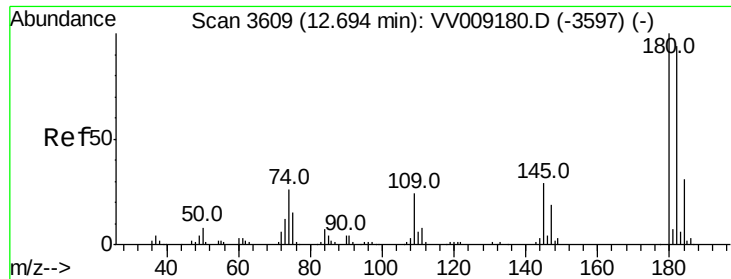
Tgt Ion: 146 Resp: 188849
 Ion Ratio Lower Upper
 146 100
 111 41.2 32.2 48.4
 148 62.6 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 16.936 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

Tgt Ion: 75 Resp: 13816
 Ion Ratio Lower Upper
 75 100
 157 130.7 96.9 145.3
 155 100.1 68.0 102.0

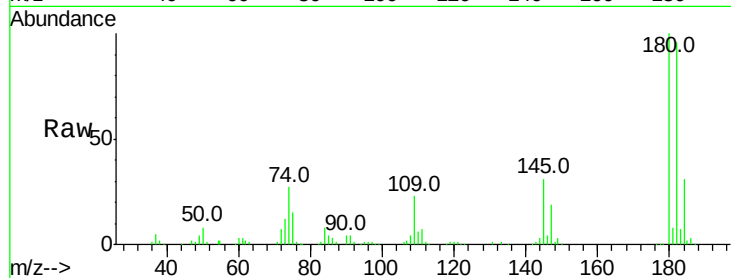




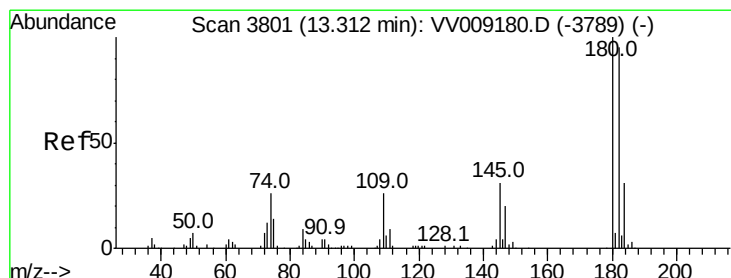
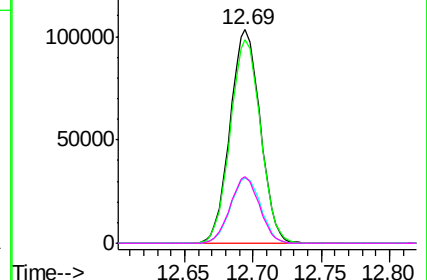
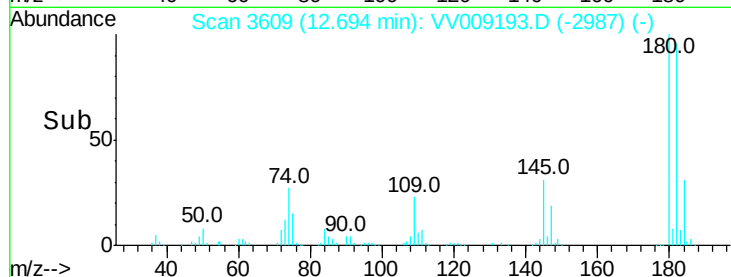
#67
 1,3,5-Trichlorobenzene
 Concen: 23.946 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Tgt Ion:	180	Resp:	159309
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.3	112.9
184	30.6	24.6	37.0
145	30.2	23.9	35.9

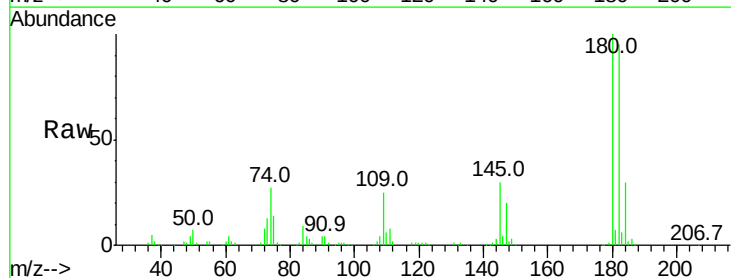


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

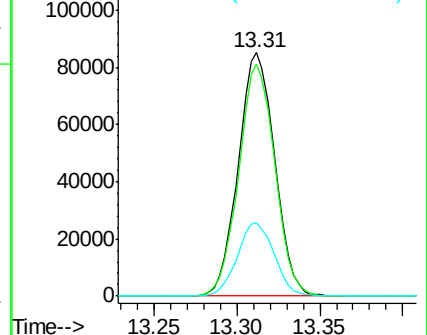
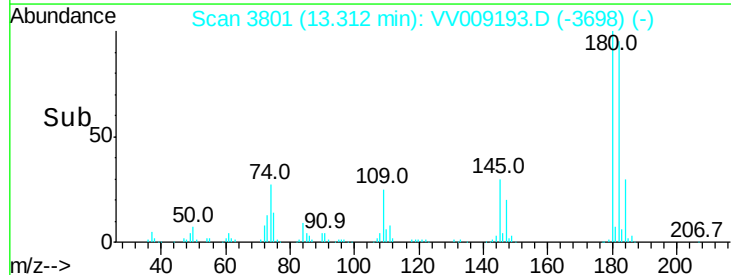


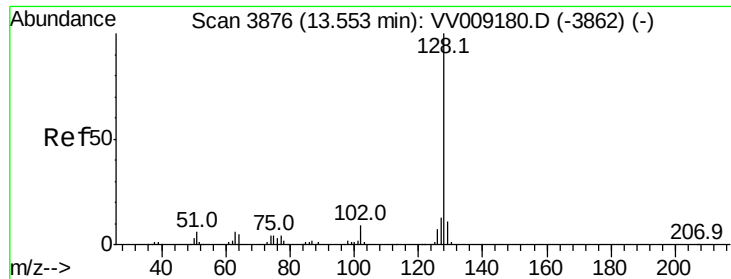
#68
 1,2,4-trichlorobenzene
 Concen: 24.004 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009193.D
 Acq: 08 Jan 2019 13:57

Tgt Ion:	180	Resp:	129986
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.4
145	30.6	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





#69

Naphthalene

Concen: 20.588 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

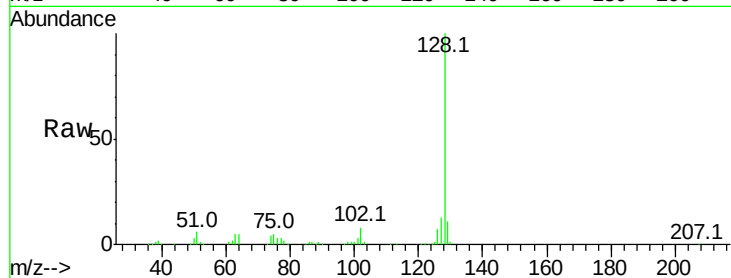
Tgt Ion:128 Resp: 227076

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

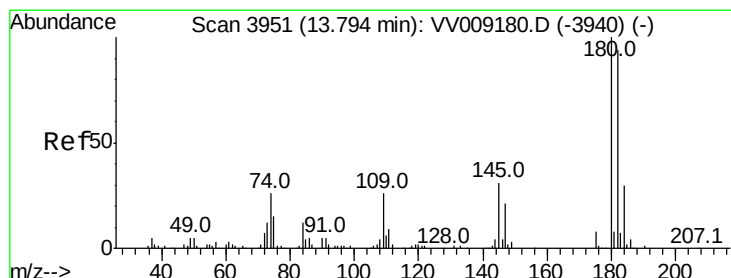
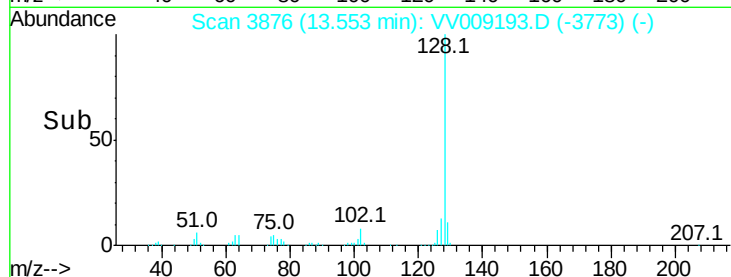
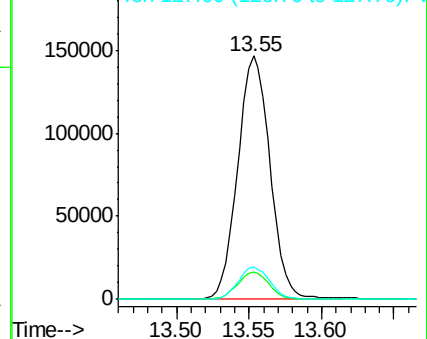
127 13.2 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.381 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009193.D

Acq: 08 Jan 2019 13:57

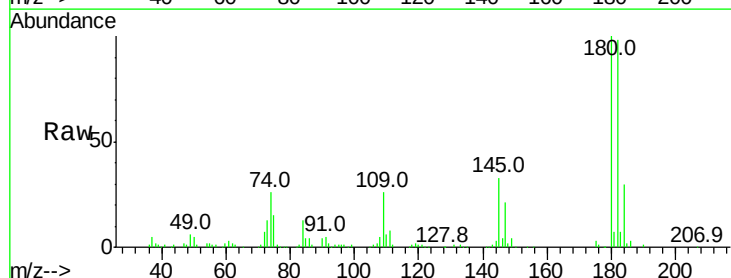
Tgt Ion:180 Resp: 116193

Ion Ratio Lower Upper

180 100

182 96.0 74.4 111.6

145 32.1 25.7 38.5



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

