

Data File : VV011905.D
Acq On : 17 Jul 2019 11:58
Operator : SY/MD
Sample : VSTD02034
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Quant Time: Jul 18 01:26:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 01:22:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	171235	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	166389	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	84879	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	258405	20.23	ug/L	0.00
7) Chloroethane-d5	1.58	69	199992	19.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	441554	22.58	ug/L	0.00
20) 2-Butanone-d5	3.95	46	712000	253.30	ug/L	0.00
24) Chloroform-d	4.40	84	526932	22.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	272679	22.87	ug/L	0.00
32) Benzene-d6	5.10	84	1048922	22.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	318449	22.40	ug/L	0.00
41) Toluene-d8	7.36	98	977708	23.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	129410	24.84	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	569480	275.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	216638	24.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	349654	22.18	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	359796	21.121	ug/L	100
3) Chloromethane	1.25	50	344904	20.651	ug/L	99
5) Vinyl chloride	1.32	62	334402	20.587	ug/L	99
6) Bromomethane	1.54	94	193090	20.860	ug/L	98
8) Chloroethane	1.60	64	176640	18.259	ug/L	97
9) Trichlorofluoromethane	1.77	101	415497	19.875	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	212517	22.143	ug/L	100
12) 1,1-Dichloroethene	2.14	96	195281	22.269	ug/L	97
13) Acetone	2.22	43	332149	209.799	ug/L	100
14) Carbon disulfide	2.32	76	593232	25.298	ug/L	99
15) Methyl Acetate	2.47	43	69122	18.944	ug/L	98
16) Methylene chloride	2.53	84	172257	18.768	ug/L	97
17) Methyl tert-butyl Ether	2.81	73	588511	21.808	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	276322	22.389	ug/L	100
19) 1,1-Dichloroethane	3.23	63	502352	21.439	ug/L	98
21) 2-Butanone	4.04	43	690029	224.218	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	286638	21.858	ug/L	99
23) Bromochloromethane	4.30	128	112871	20.440	ug/L	97
25) Chloroform	4.43	83	506538	19.732	ug/L	94
27) 1,2-Dichloroethane	5.18	62	320547	21.575	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	439947	20.805	ug/L	99
30) Cyclohexane	4.72	56	487974	22.217	ug/L	99
31) Carbon tetrachloride	4.87	117	388528	21.600	ug/L	99
33) Benzene	5.15	78	1100997	21.040	ug/L	100
34) Trichloroethene	5.96	95	295935	19.915	ug/L	99
35) Methylcyclohexane	6.18	83	495543	22.914	ug/L	98
37) 1,2-Dichloropropane	6.22	63	274881	21.083	ug/L	100
38) Bromodichloromethane	6.56	83	339847	21.807	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	419094	23.868	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	1727820	224.541	ug/L	99

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42) Toluene	7.43	91	1196303	21.947	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	326364	23.605	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	176118	20.271	ug/L	99
47) Tetrachloroethene	8.02	164	226028	20.797	ug/L	99
48) 2-Hexanone	8.18	43	1223955	220.821	ug/L	99
49) Dibromochloromethane	8.29	129	212738	22.184	ug/L	99
50) 1,2-Dibromoethane	8.40	107	168978	21.021	ug/L	98
51) Chlorobenzene	8.92	112	737107	20.943	ug/L	99
52) Ethylbenzene	9.05	91	1357616	22.533	ug/L	100
53) m,p-xylene	9.18	106	509468	22.900	ug/L	99
54) o-xylene	9.59	106	490133	23.151	ug/L	96
55) Styrene	9.60	104	834137	23.374	ug/L	99
56) Isopropylbenzene	9.97	105	1333437	23.063	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	193620	22.721	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	155707	20.265	ug/L	97
61) Bromoform	9.78	173	107866	23.118	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	576384	21.136	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	580517	20.542	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	532162	20.620	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	32929	20.927	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	458094	21.383	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	382284	22.430	ug/L	99
69) Naphthalene	13.55	128	660724	26.206	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	347937	22.581	ug/L	98

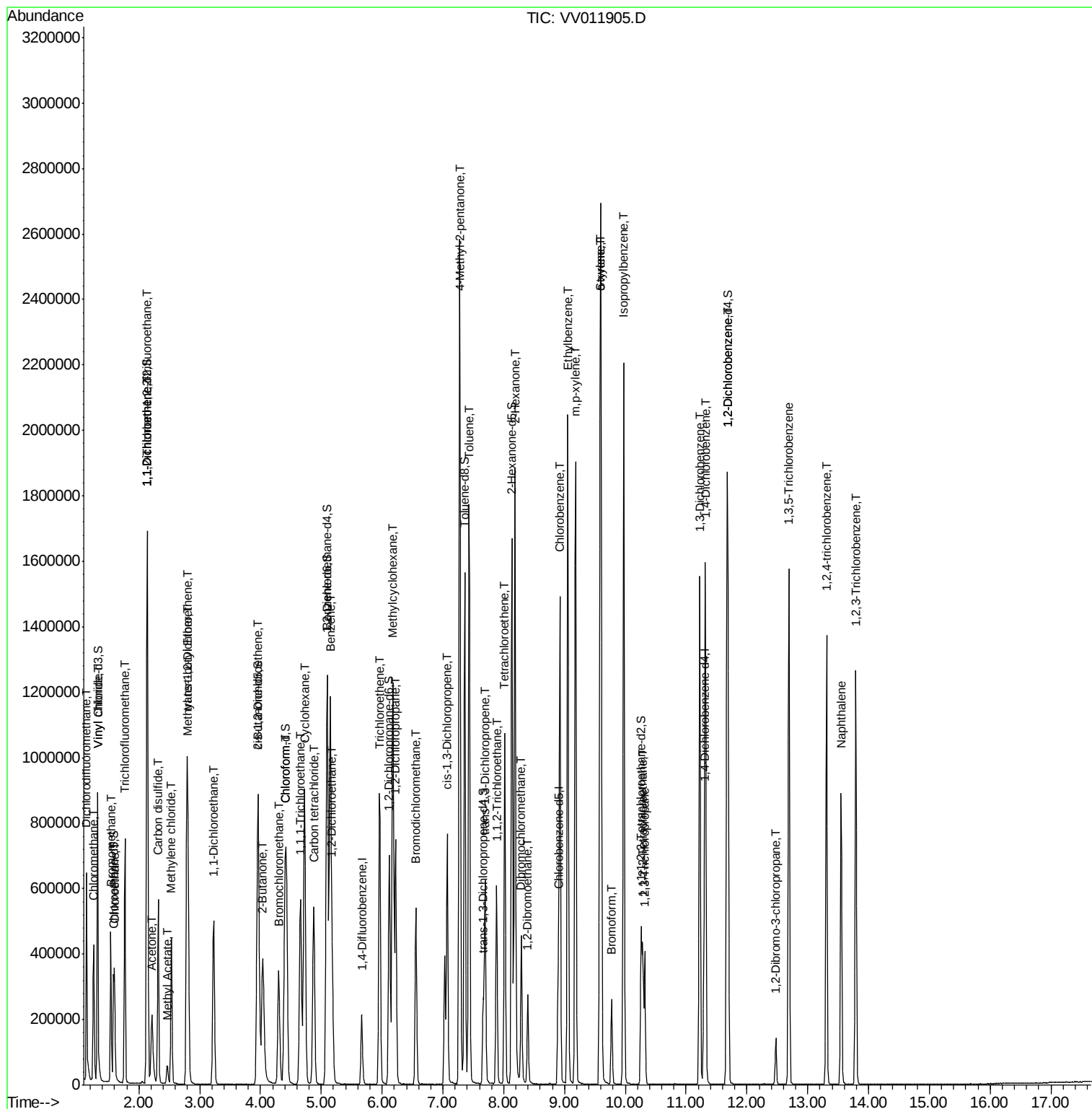
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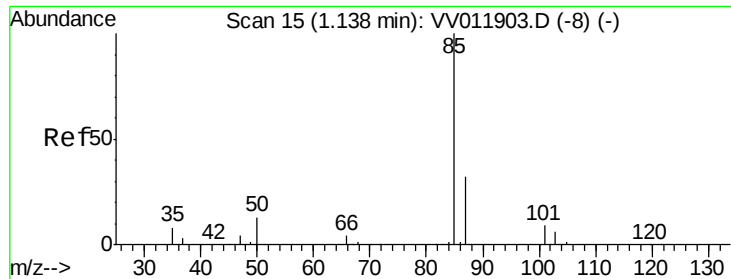
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#2

Dichlorodifluoromethane

Concen: 21.121 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011905.D

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Instrument :

MSVOA_V

ClientSampleId :

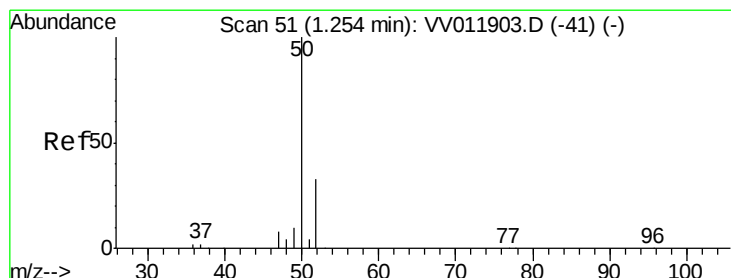
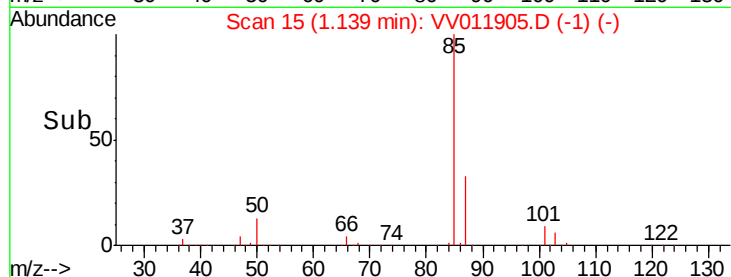
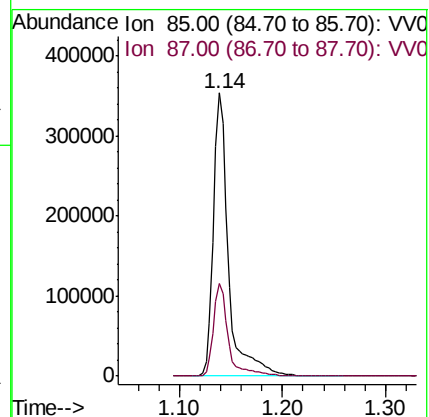
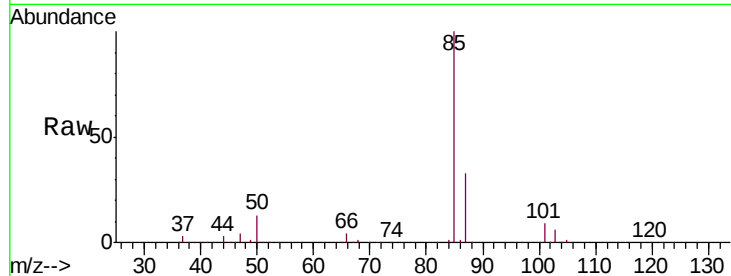
VSTD02034

Tgt Ion: 85 Resp: 359796

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



#3

Chloromethane

Concen: 20.651 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011905.D

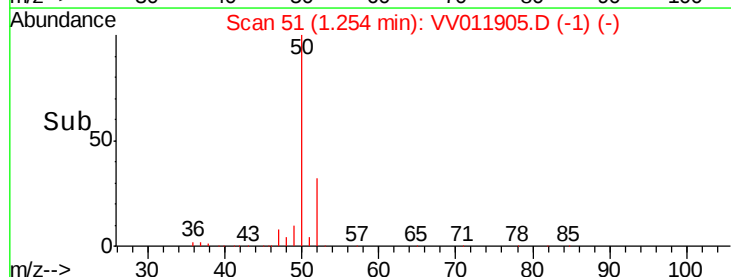
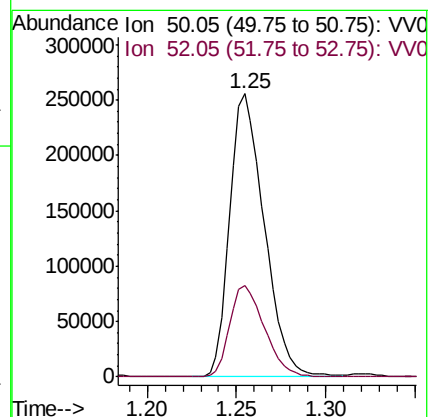
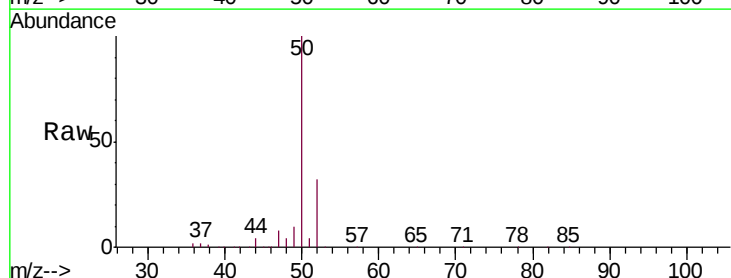
Acq: 17 Jul 2019 11:58

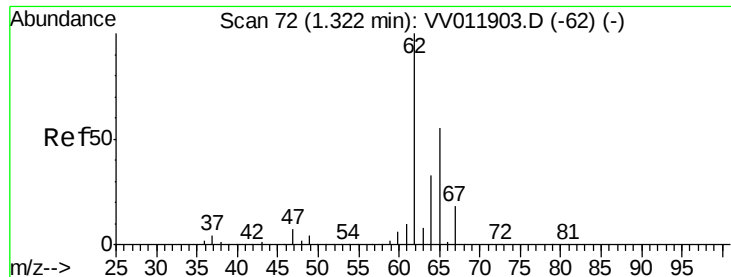
Tgt Ion: 50 Resp: 344904

Ion Ratio Lower Upper

50 100

52 32.5 23.1 42.9





#5

Vinyl chloride

Concen: 20.587 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampleId :

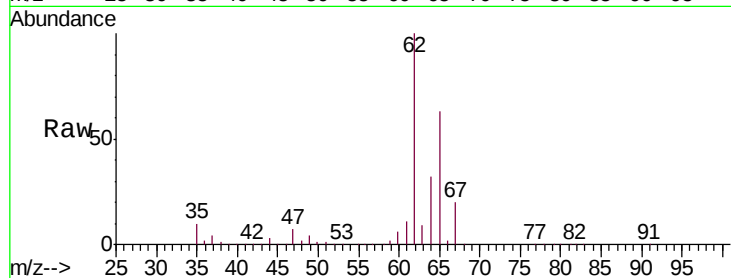
VSTD02034

Tgt Ion: 62 Resp: 334402

Ion Ratio Lower Upper

62 100

64 32.4 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

300000

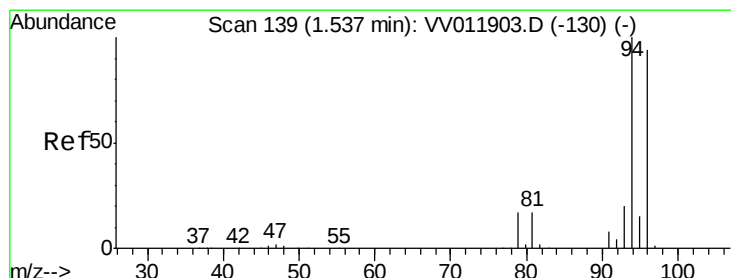
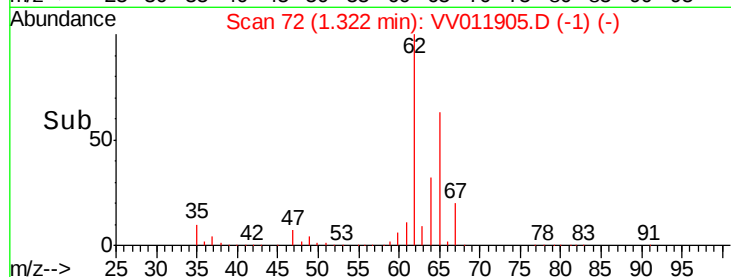
200000

100000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 20.860 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011905.D

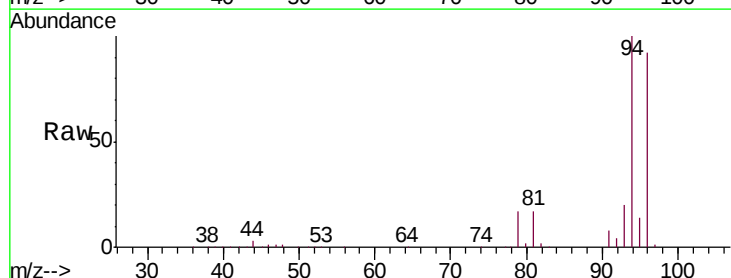
Acq: 17 Jul 2019 11:58

Tgt Ion: 94 Resp: 193090

Ion Ratio Lower Upper

94 100

96 92.3 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

150000

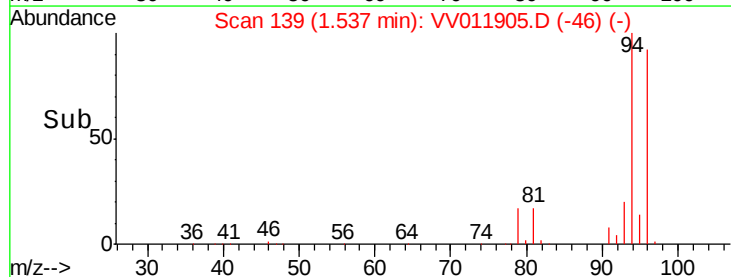
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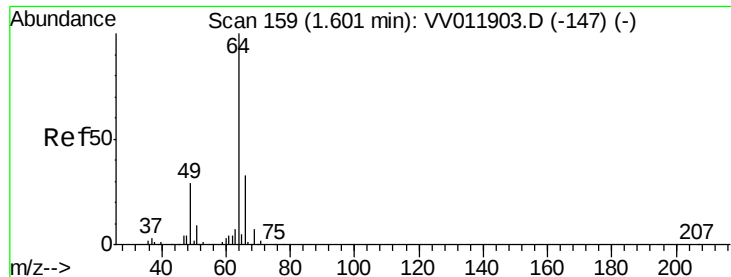
50000

0

Time-->

1.50 1.55 1.60

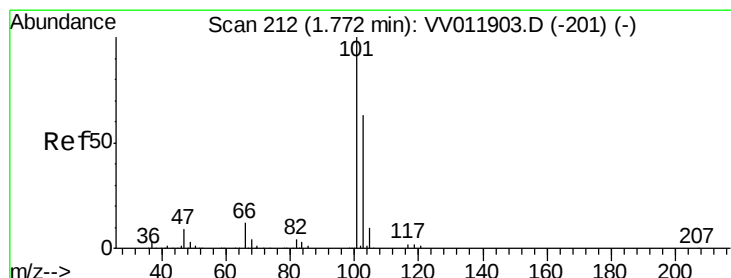
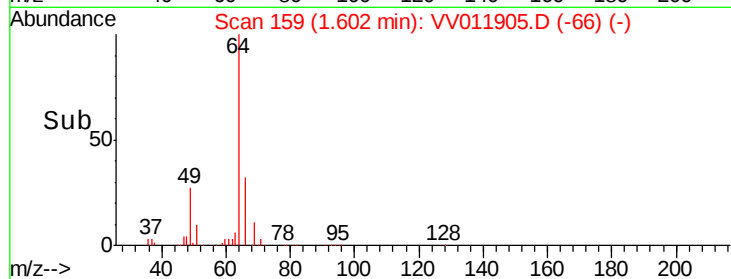
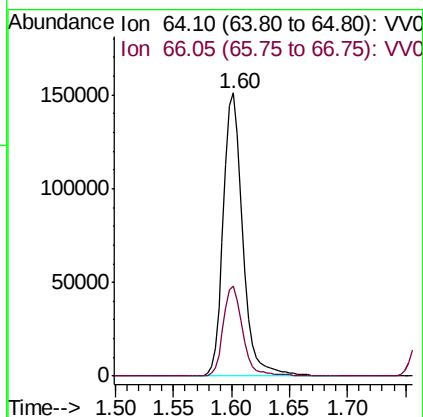
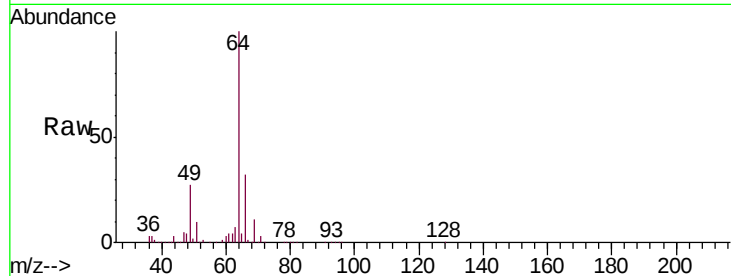




#8
Chloroethane
Concen: 18.259 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV011905.D
Acq: 17 Jul 2019 11:58

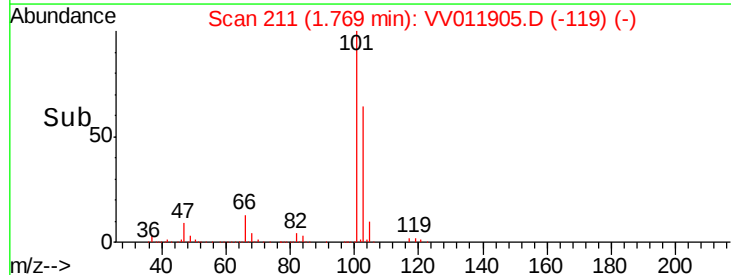
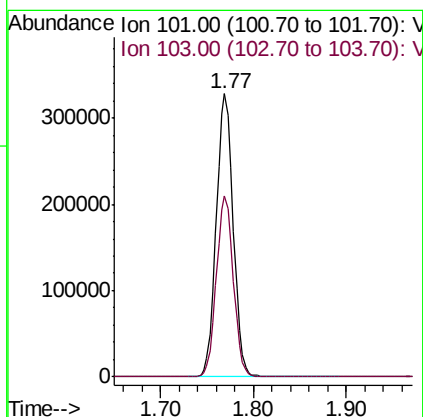
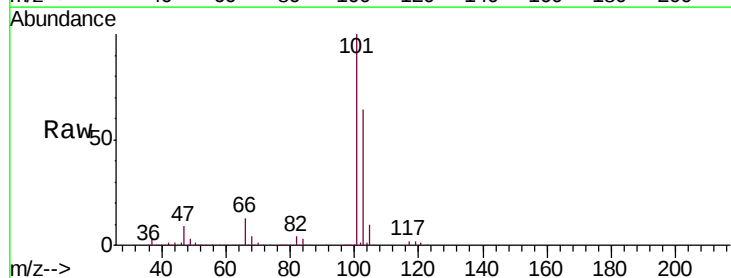
Instrument :
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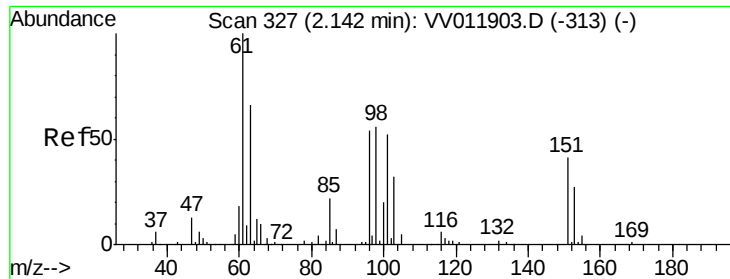
Tgt Ion: 64 Resp: 176640
Ion Ratio Lower Upper
64 100
66 31.7 23.2 43.2



#9
Trichlorofluoromethane
Concen: 19.875 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV011905.D
Acq: 17 Jul 2019 11:58

Tgt Ion: 101 Resp: 415497
Ion Ratio Lower Upper
101 100
103 64.1 51.0 76.4





#10

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

Concen: 22.143 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

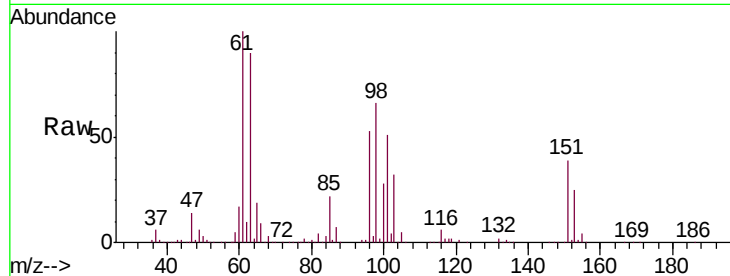
Tgt Ion: 101 Resp: 212517

Ion Ratio Lower Upper

101 100

85 43.2 34.7 52.1

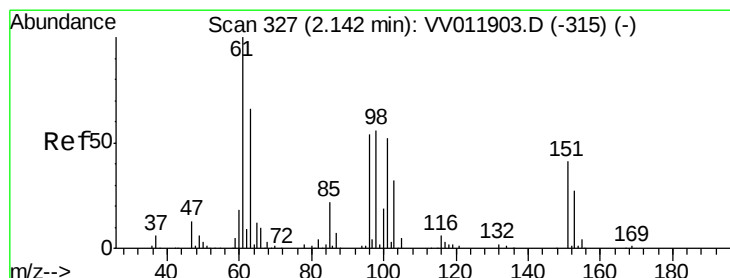
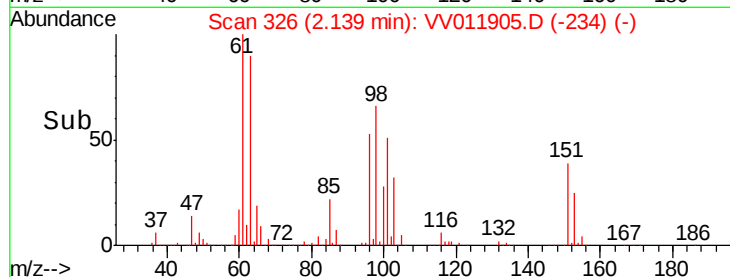
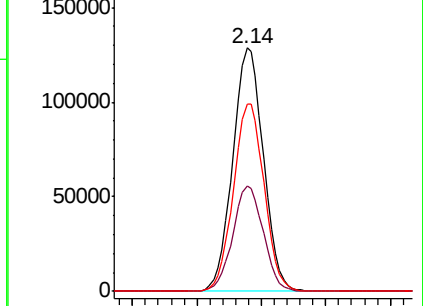
151 77.3 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): VV011903.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV011903.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV011903.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 22.269 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

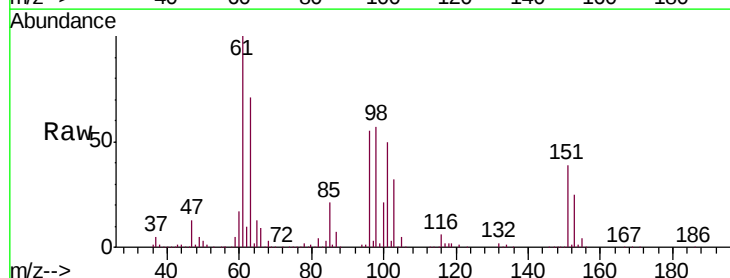
Tgt Ion: 96 Resp: 195281

Ion Ratio Lower Upper

96 100

61 183.3 128.9 239.3

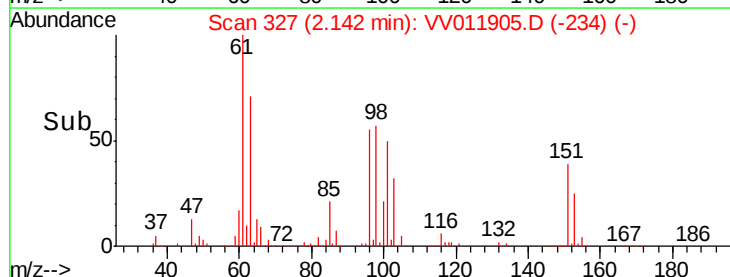
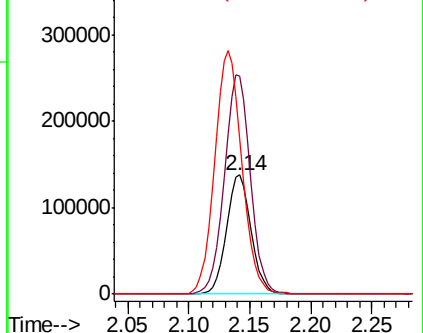
63 130.0 85.5 158.9

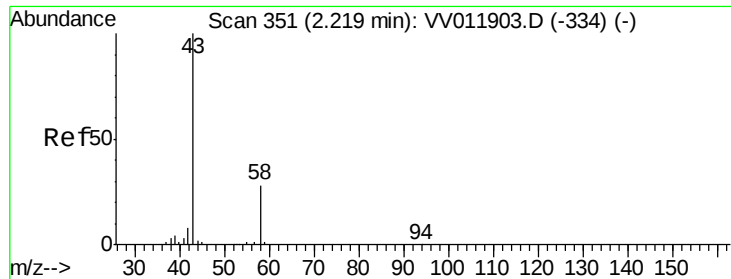


Abundance Ion 96.00 (95.70 to 96.70): VV011903.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV011903.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV011903.D (-315) (-)





#13

Acetone

Concen: 209.799 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

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ClientSampleId :

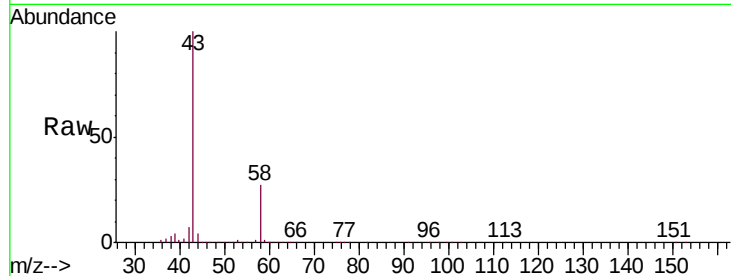
VSTD02034

Tgt Ion: 43 Resp: 332149

Ion Ratio Lower Upper

43 100

58 27.8 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV011903.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011903.D (-334) (-)

2.22

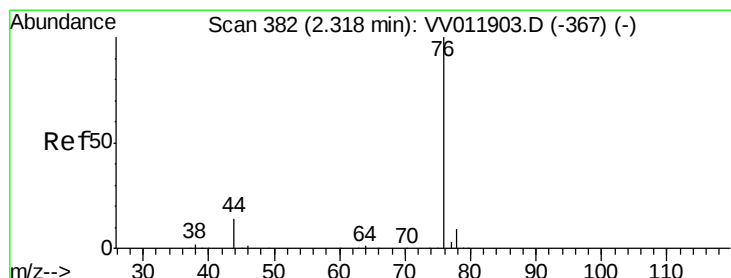
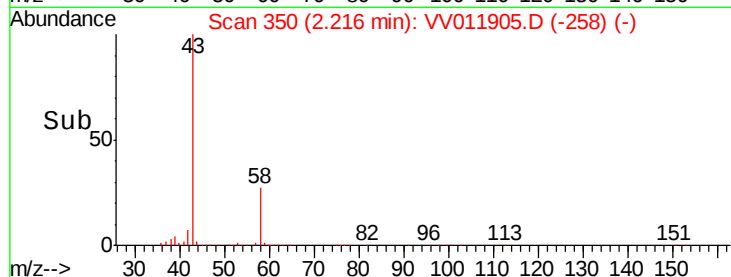
150000

100000

50000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 25.298 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV011905.D

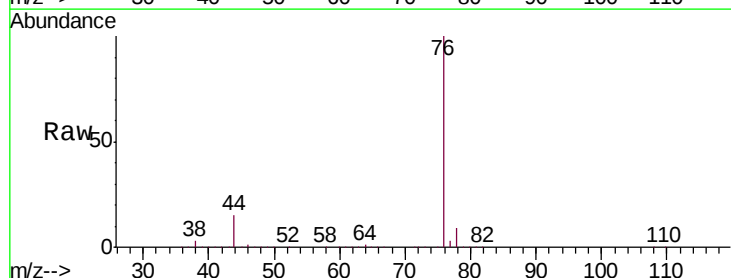
Acq: 17 Jul 2019 11:58

Tgt Ion: 76 Resp: 593232

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV011903.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV011903.D (-367) (-)

2.32

500000

400000

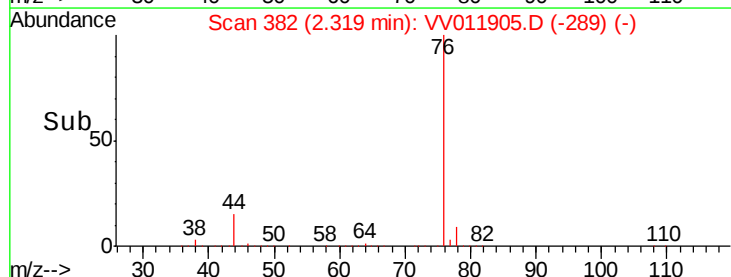
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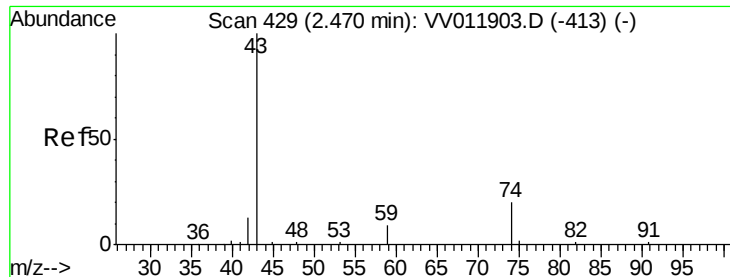
200000

100000

0

Time--> 2.20 2.30 2.40





#15

Methyl Acetate

Concen: 18.944 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

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ClientSampleId :

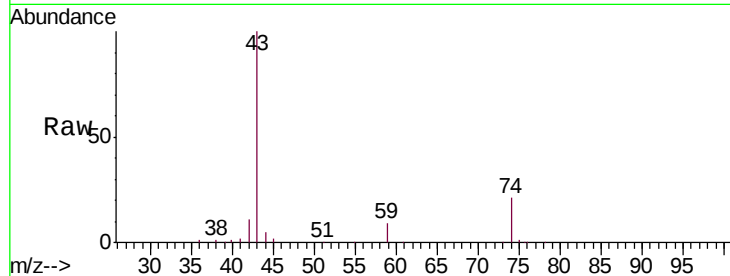
VSTD02034

Tgt Ion: 43 Resp: 69122

Ion Ratio Lower Upper

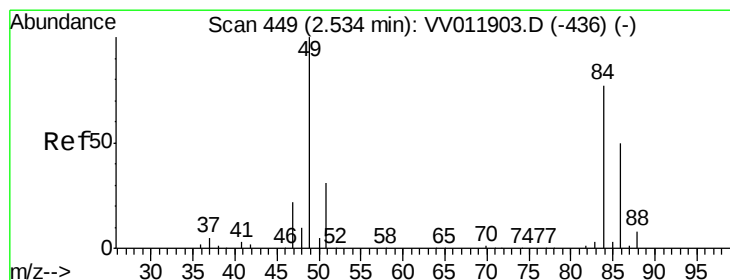
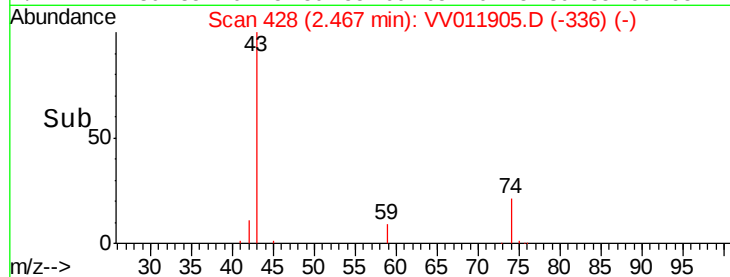
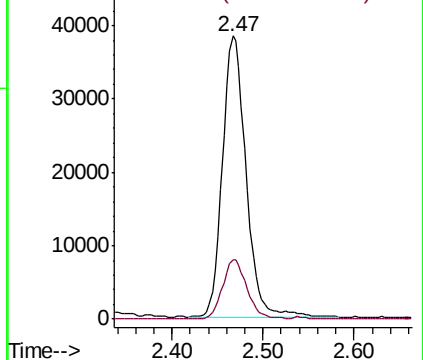
43 100

74 21.8 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 18.768 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

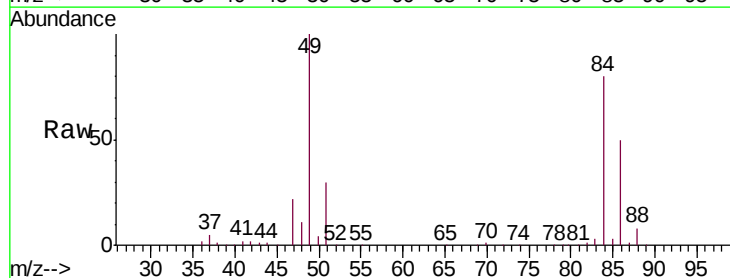
Tgt Ion: 84 Resp: 172257

Ion Ratio Lower Upper

84 100

86 62.4 44.8 83.2

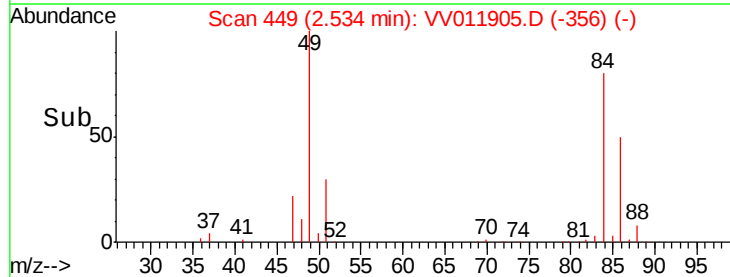
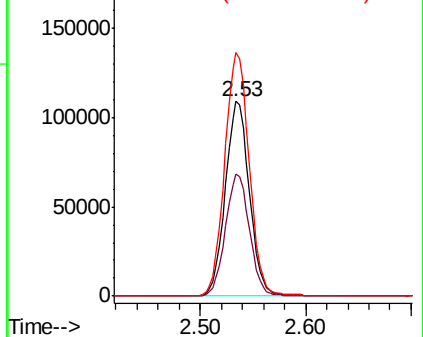
49 125.0 90.4 168.0

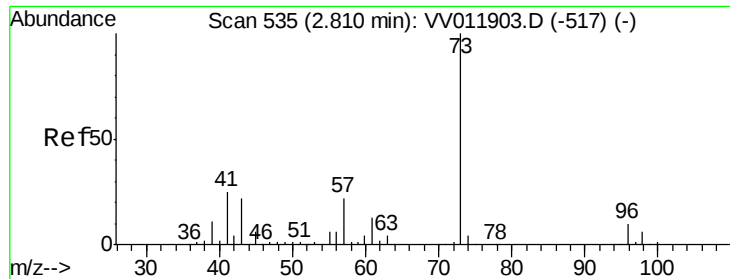


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

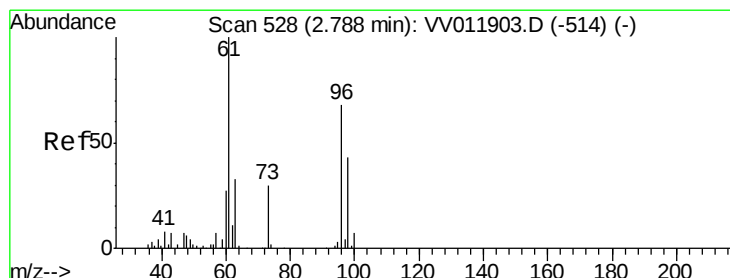
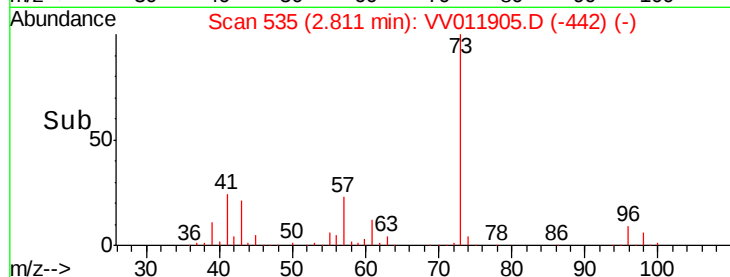
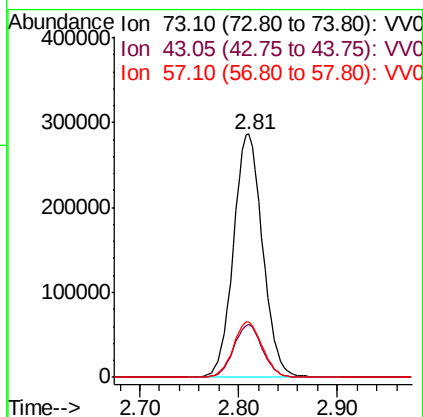
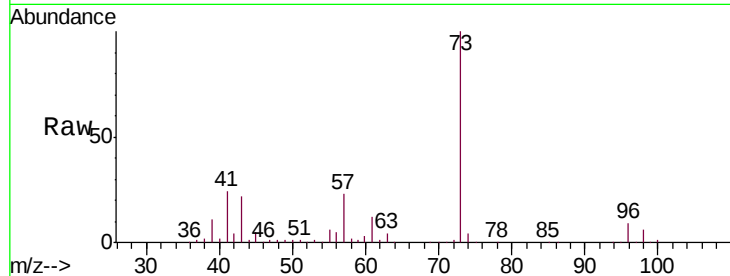




#17
Methyl tert-butyl Ether
Concen: 21.808 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV011905.D
Acq: 17 Jul 2019 11:58

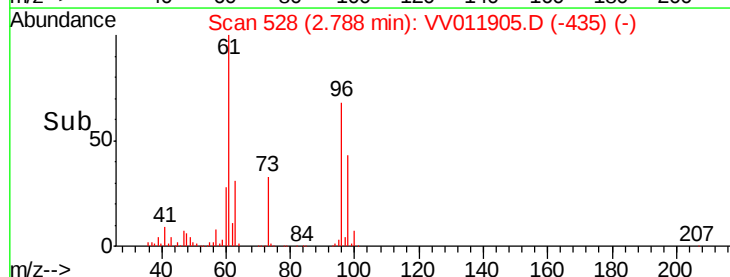
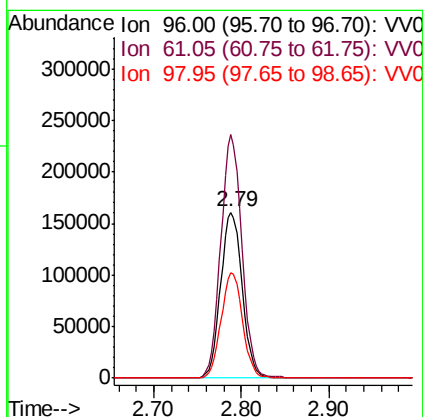
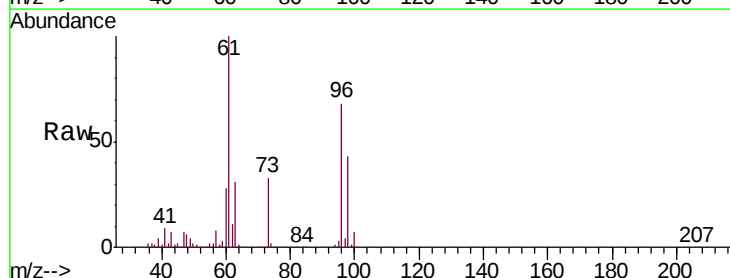
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

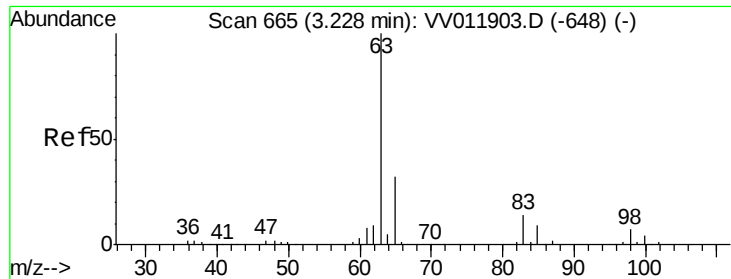
Tgt Ion: 73 Resp: 588511
Ion Ratio Lower Upper
73 100
43 21.4 17.6 26.4
57 22.7 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 22.389 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV011905.D
Acq: 17 Jul 2019 11:58

Tgt Ion: 96 Resp: 276322
Ion Ratio Lower Upper
96 100
61 146.7 102.2 189.8
98 63.8 44.4 82.5

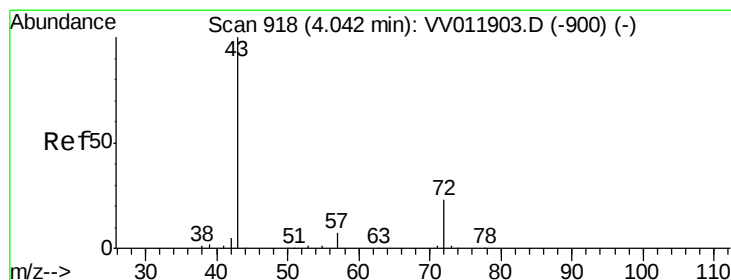
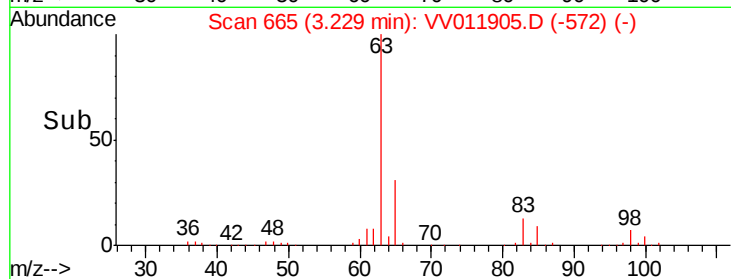
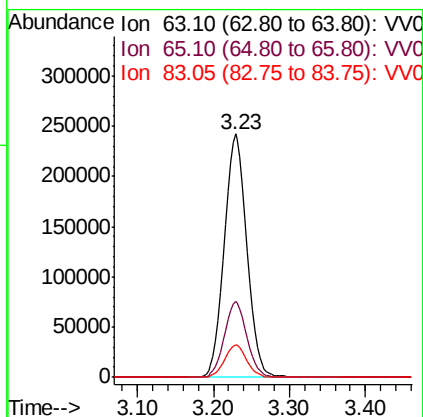
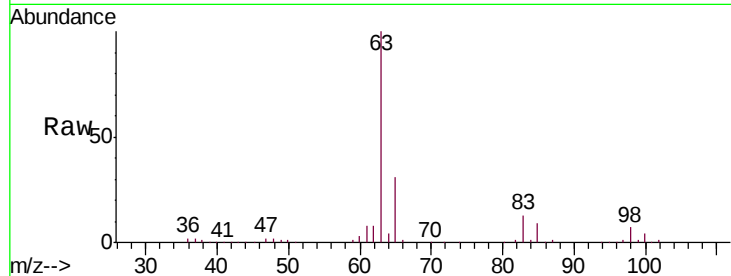




#19
 1,1-Dichloroethane
 Concen: 21.439 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

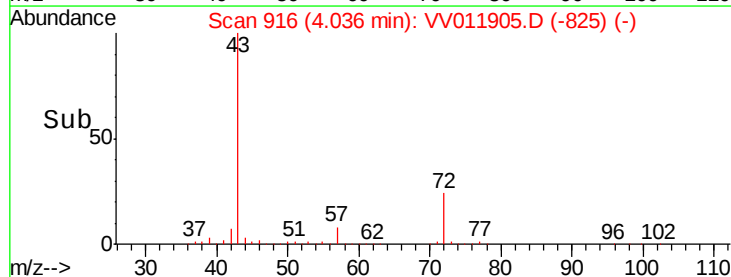
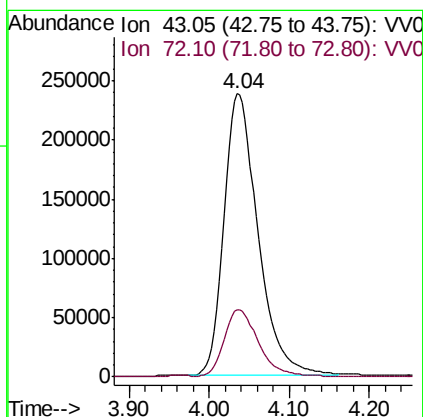
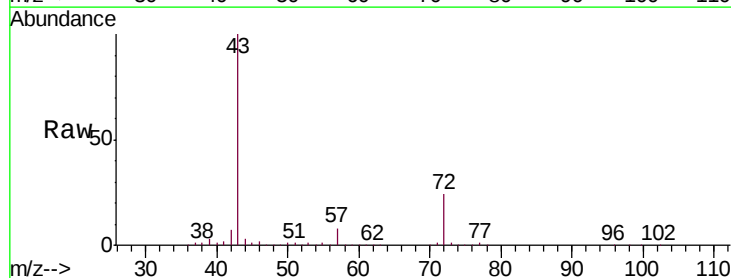
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

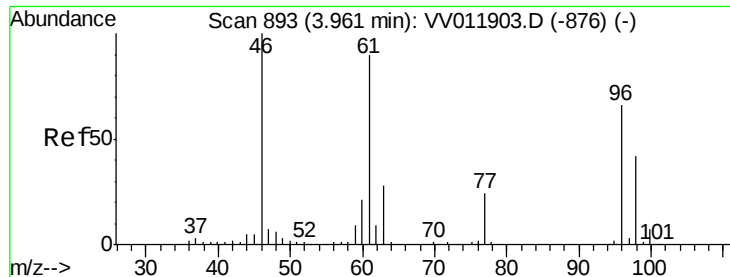
Tgt Ion: 63 Resp: 502352
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.7 42.3
 83 13.5 9.4 17.6



#21
 2-Butanone
 Concen: 224.218 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Tgt Ion: 43 Resp: 690029
 Ion Ratio Lower Upper
 43 100
 72 23.9 11.2 33.6



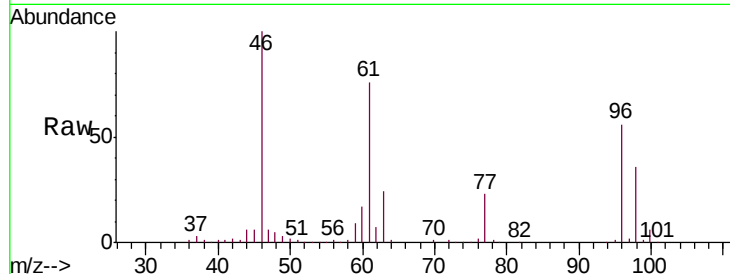


#22

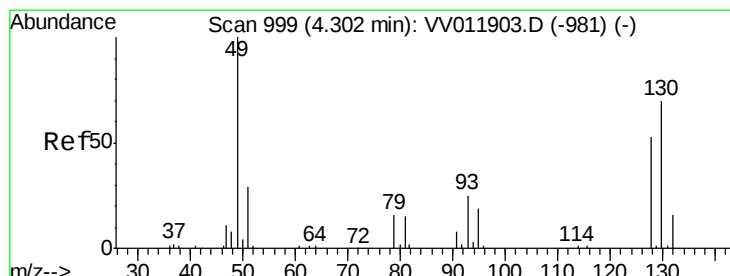
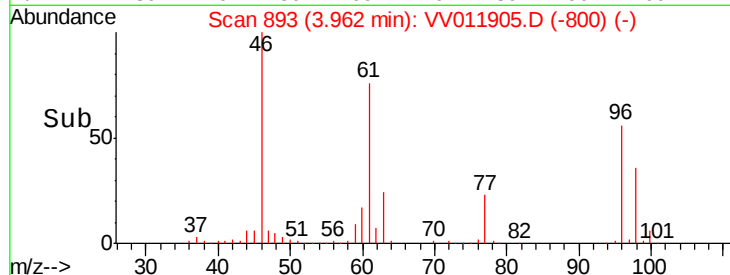
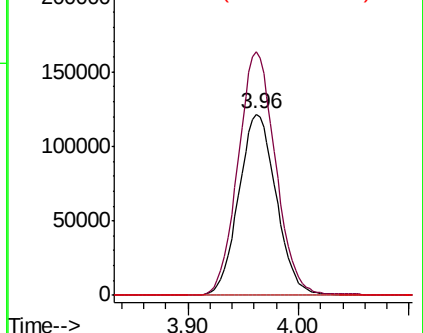
cis-1,2-Dichloroethene
Concen: 21.858 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV011905.D
Acq: 17 Jul 2019 11:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tgt Ion: 96 Resp: 286638
Ion Ratio Lower Upper
96 100
61 134.6 95.2 176.8
68 0.0 0.0 0.0



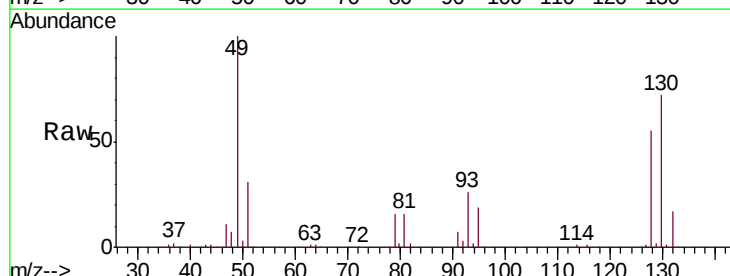
Abundance Ion 96.00 (95.70 to 96.70): VV011903.D (-876) (-)
Ion 61.05 (60.75 to 61.75): VV011903.D (-876) (-)
Ion 68.15 (67.85 to 68.85): VV011903.D (-876) (-)



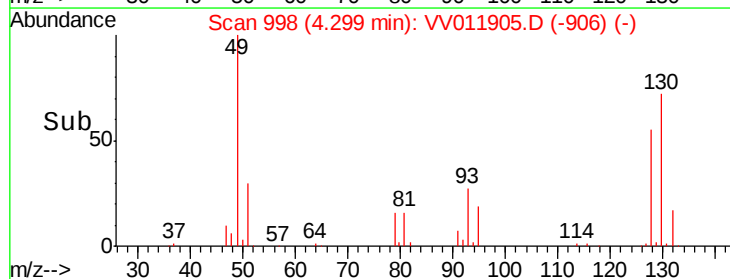
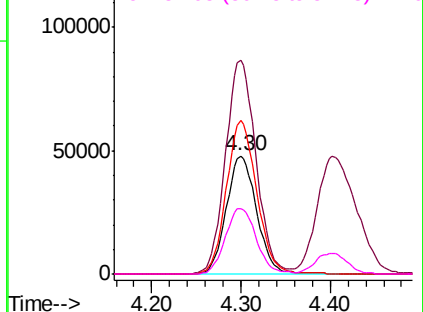
#23

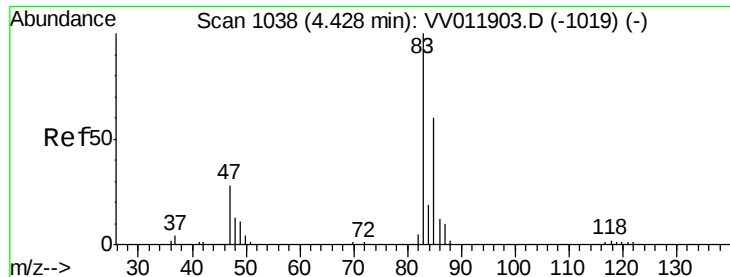
Bromochloromethane
Concen: 20.440 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV011905.D
Acq: 17 Jul 2019 11:58

Tgt Ion: 128 Resp: 112871
Ion Ratio Lower Upper
128 100
49 181.4 132.5 246.1
130 130.0 92.1 171.1
51 55.7 44.2 66.2



Abundance Ion 127.90 (127.60 to 128.60): VV011903.D (-981) (-)
Ion 49.10 (48.80 to 49.80): VV011903.D (-981) (-)
Ion 129.95 (129.65 to 130.65): VV011903.D (-981) (-)
Ion 51.05 (50.75 to 51.75): VV011903.D (-981) (-)

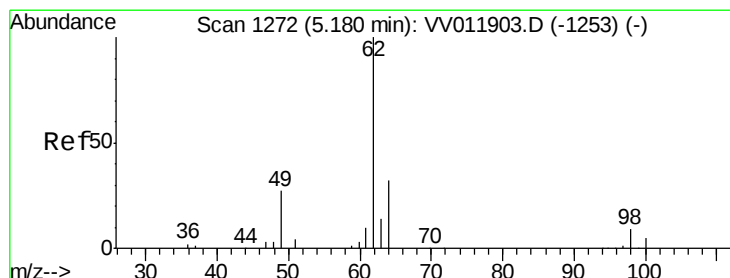
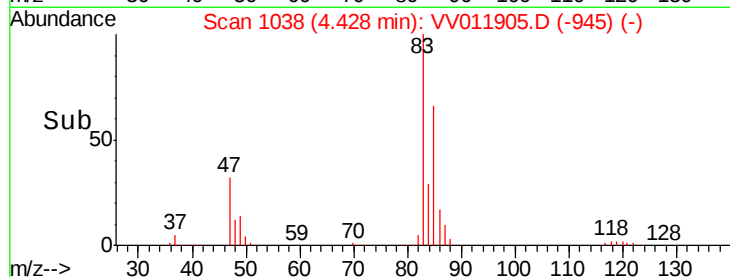
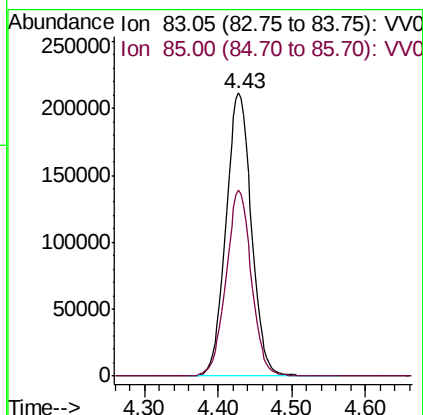
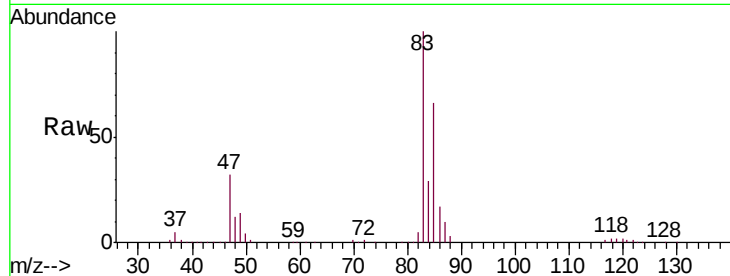




#25
Chloroform
Concen: 19.732 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011905.D
Acq: 17 Jul 2019 11:58

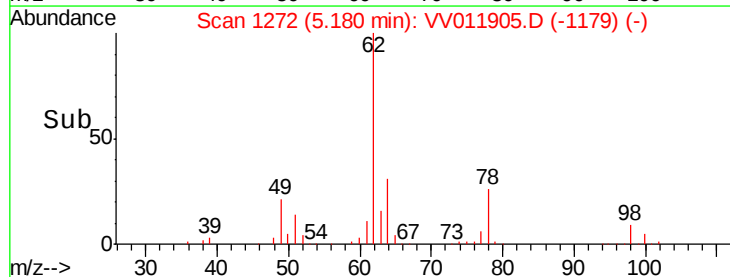
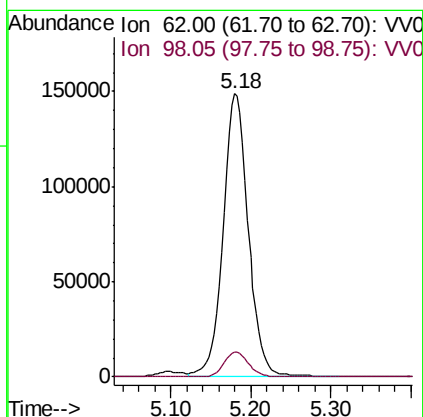
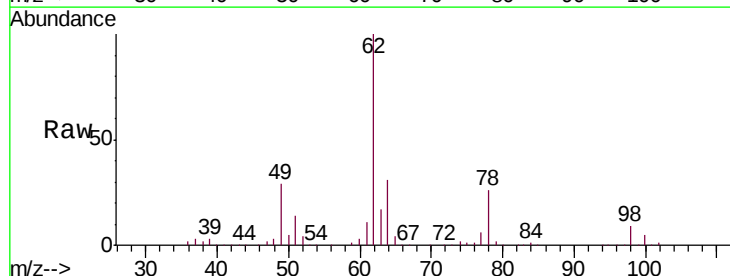
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

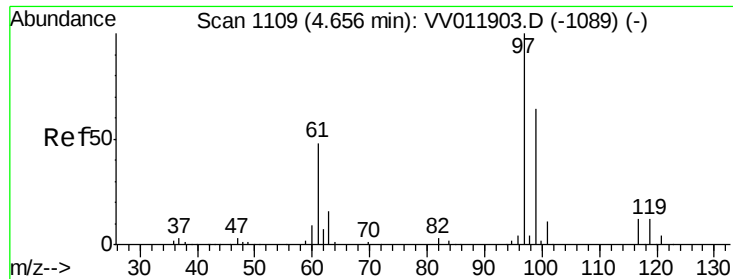
Tgt Ion: 83 Resp: 506538
Ion Ratio Lower Upper
83 100
85 65.6 42.5 78.9



#27
1,2-Dichloroethane
Concen: 21.575 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011905.D
Acq: 17 Jul 2019 11:58

Tgt Ion: 62 Resp: 320547
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8

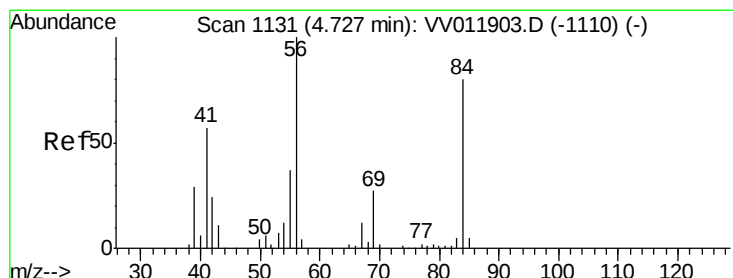
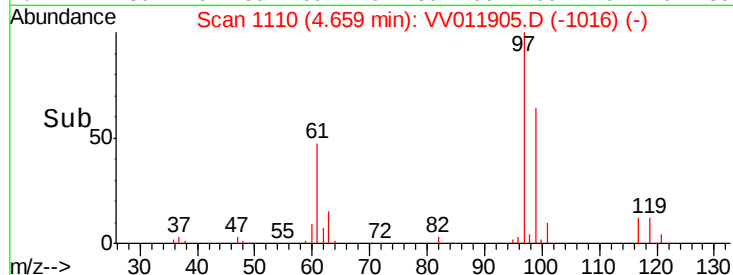
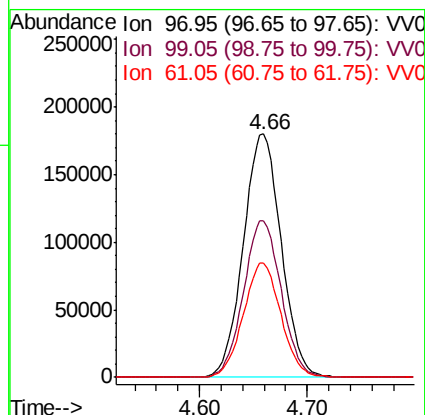
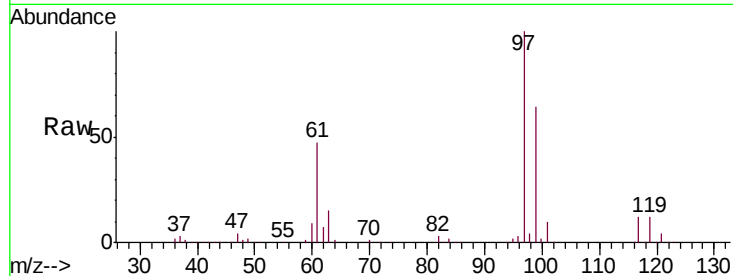




#29
 1,1,1-Trichloroethane
 Concen: 20.805 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

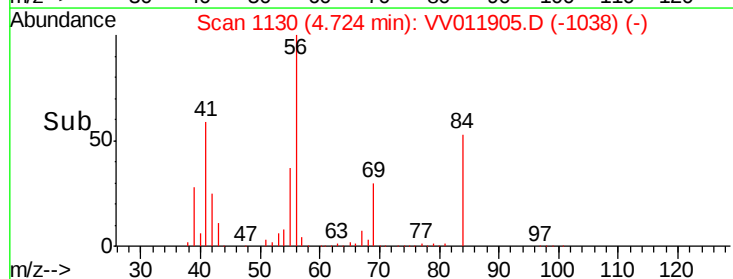
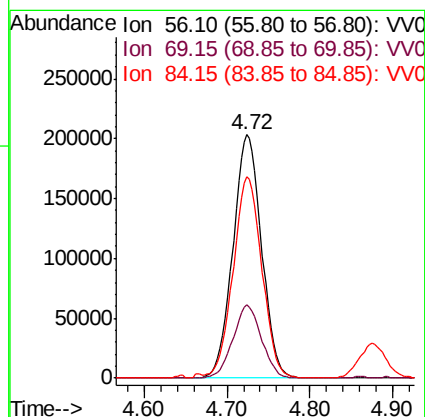
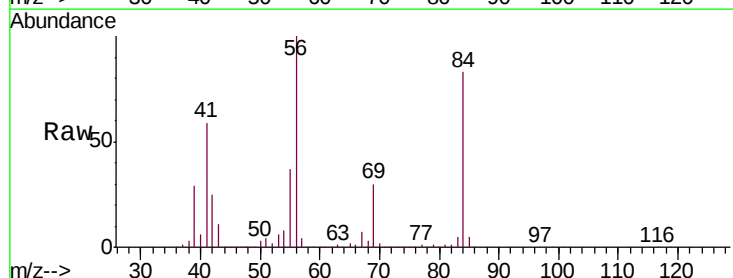
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

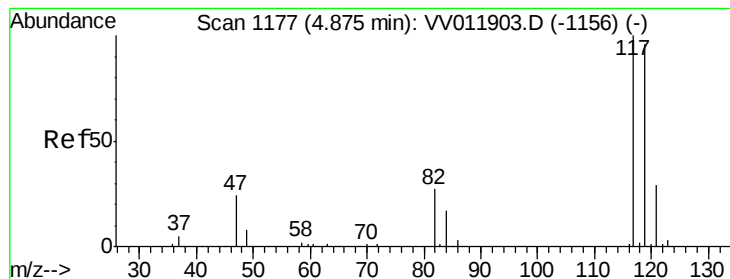
Tgt Ion: 97 Resp: 439947
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.1 76.7
 61 46.9 38.6 57.8



#30
 Cyclohexane
 Concen: 22.217 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Tgt Ion: 56 Resp: 487974
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.8 35.8
 84 83.5 66.3 99.5





#31

Carbon tetrachloride

Concen: 21.600 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampleId :

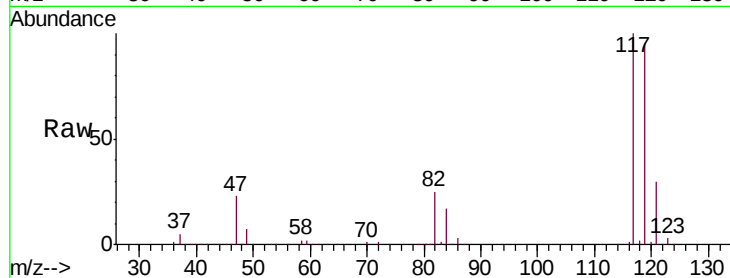
VSTD02034

Tgt Ion:117 Resp: 388528

Ion Ratio Lower Upper

117 100

119 95.9 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

150000

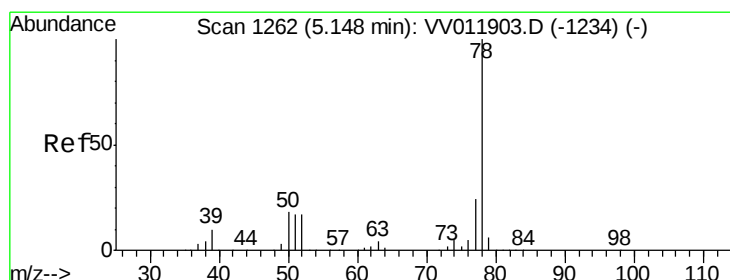
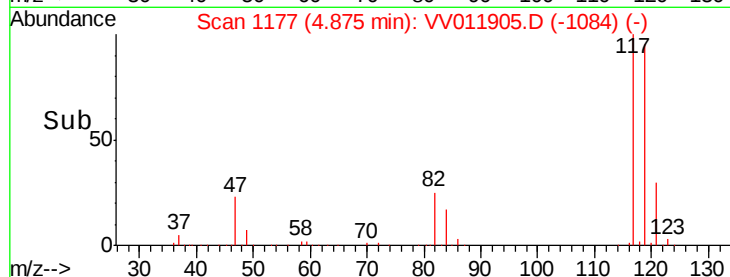
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 21.040 ug/L

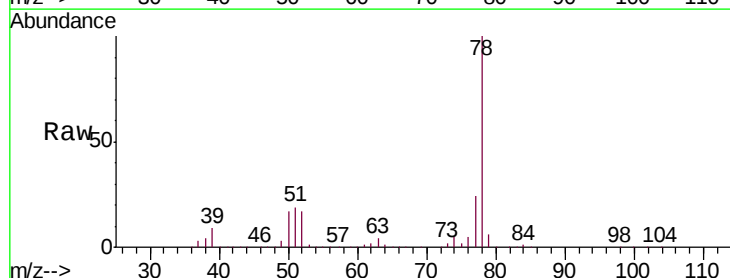
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Tgt Ion: 78 Resp: 1100997



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

600000

500000

400000

300000

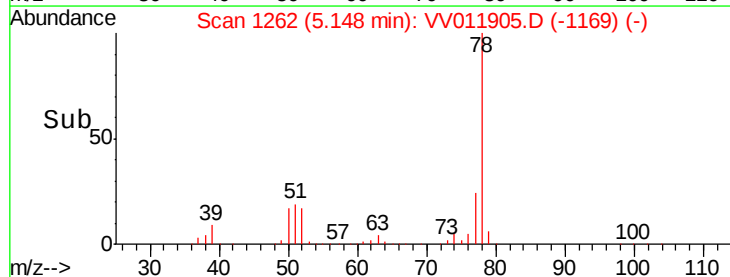
200000

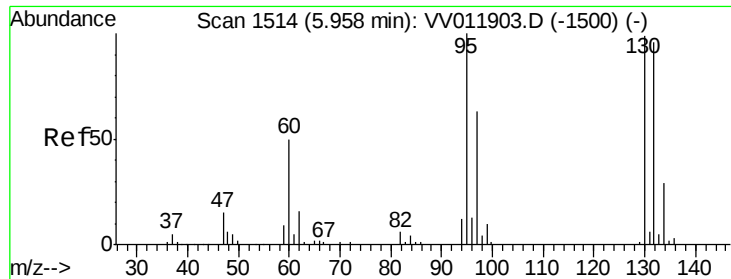
100000

0

Time-->

5.00 5.10 5.20 5.30

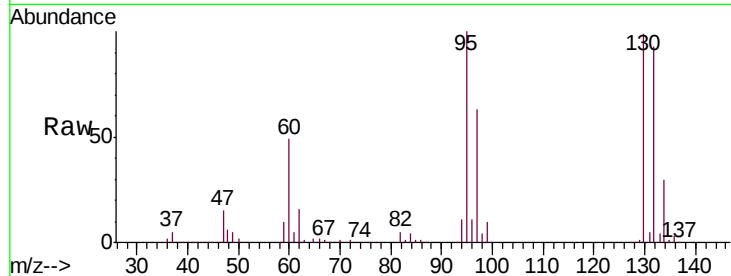




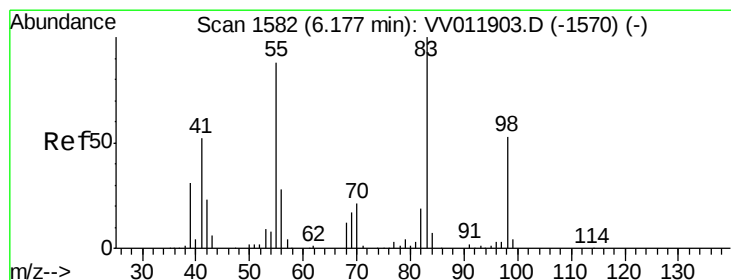
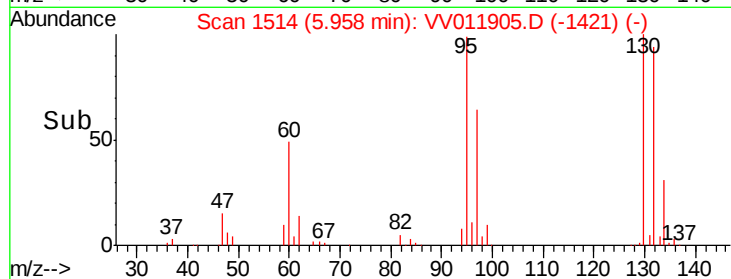
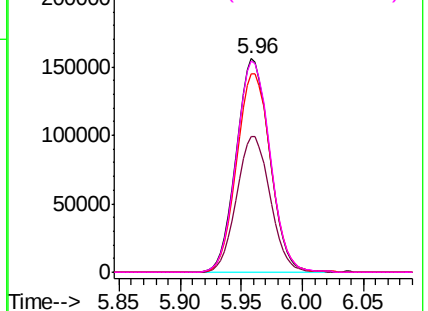
#34
 Trichloroethene
 Concen: 19.915 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tgt Ion:	95	Resp:	295935
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.0	81.6
132	92.9	67.0	124.4
130	99.1	69.1	128.3

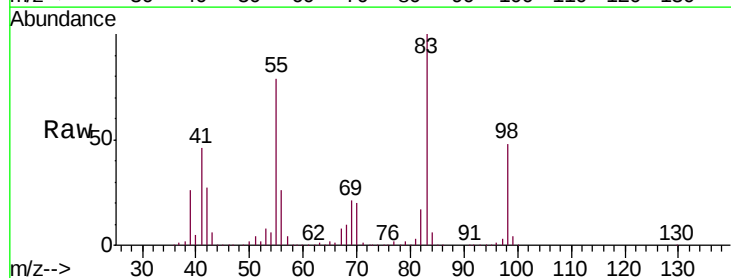


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

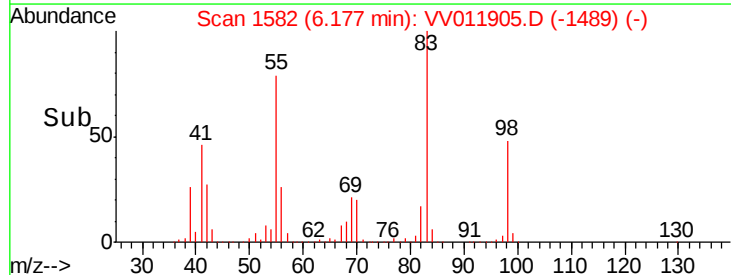
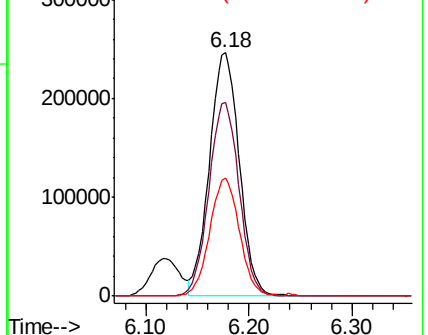


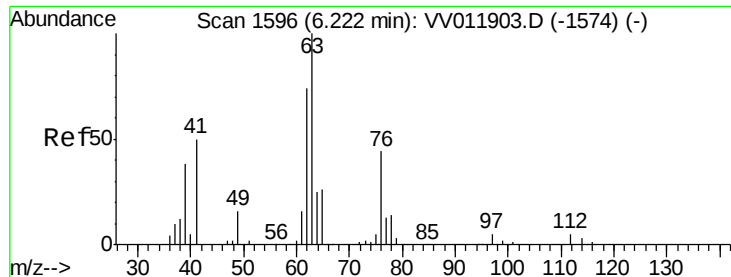
#35
 Methylcyclohexane
 Concen: 22.914 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Tgt Ion:	83	Resp:	495543
Ion	Ratio	Lower	Upper
83	100		
55	80.3	66.7	100.1
98	48.1	39.0	58.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 21.083 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampleId :

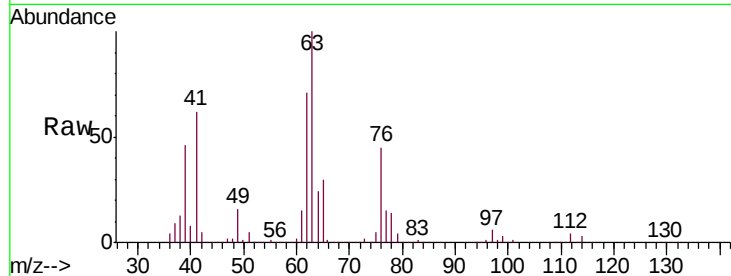
VSTD02034

Tgt Ion: 63 Resp: 274881

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VV011903.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV011903.D (-1574) (-)

6.22

150000

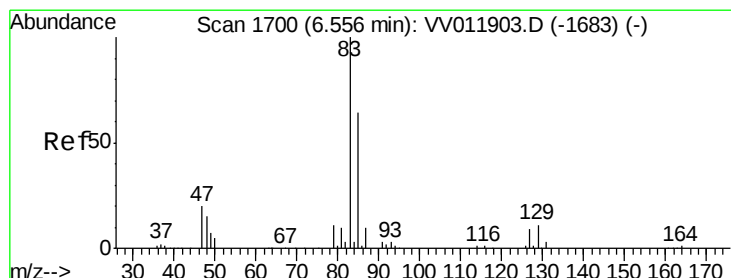
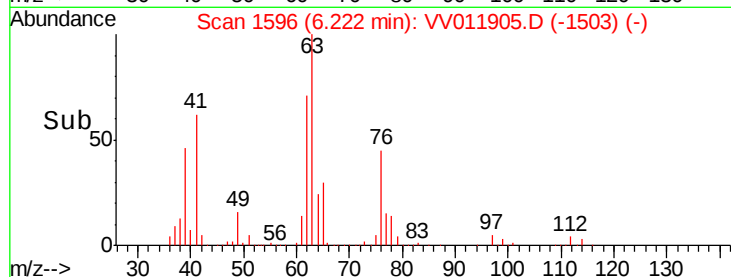
100000

50000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 21.807 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

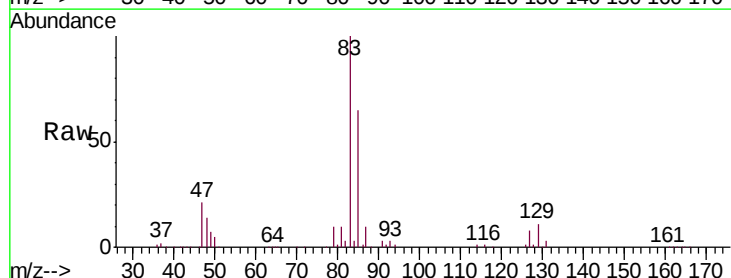
Tgt Ion: 83 Resp: 339847

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.7

127 8.2 7.1 10.7



Abundance Ion 82.95 (82.65 to 83.65): VV011903.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV011903.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV011903.D (-1683) (-)

6.56

250000

200000

150000

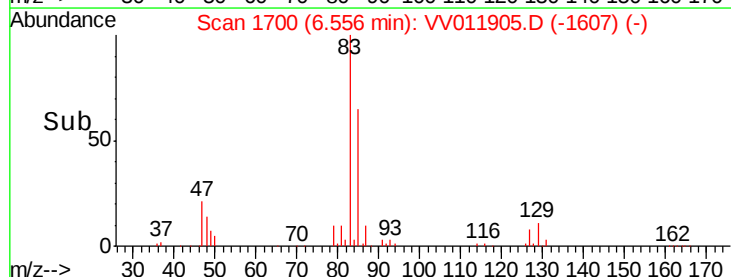
100000

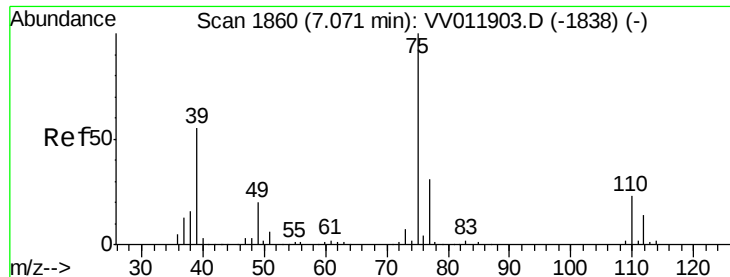
50000

0

6.50 6.60 6.70

Time-->

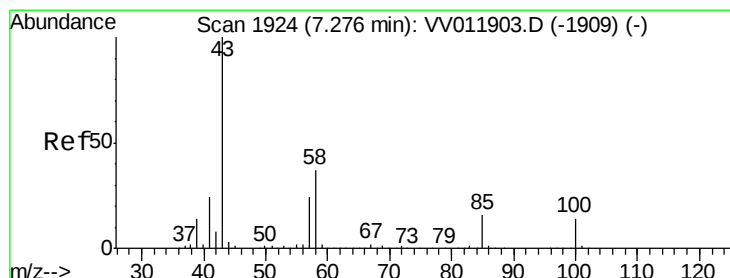
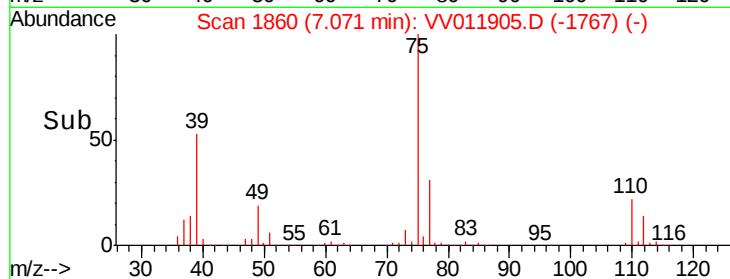
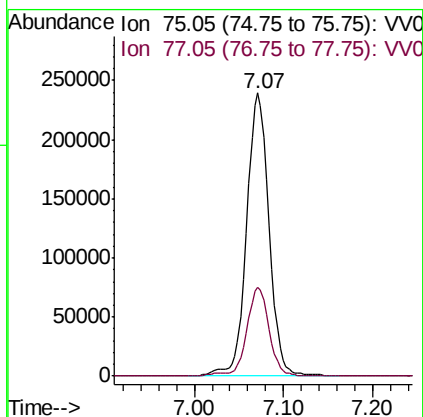
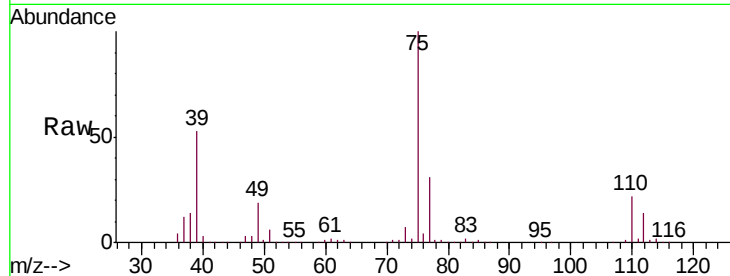




#39
 cis-1,3-Dichloropropene
 Concen: 23.868 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

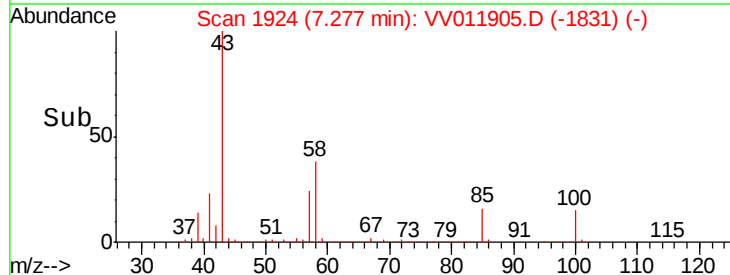
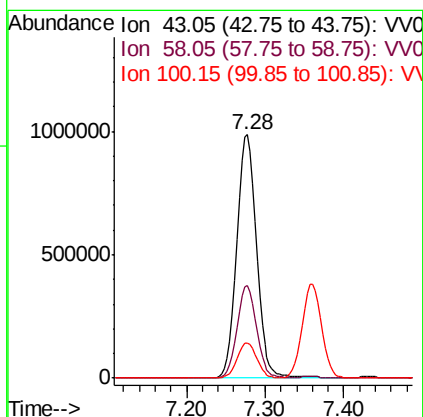
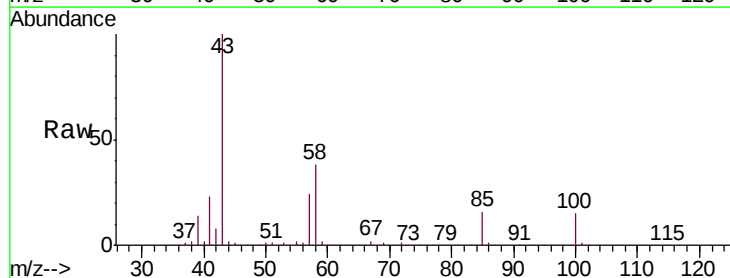
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

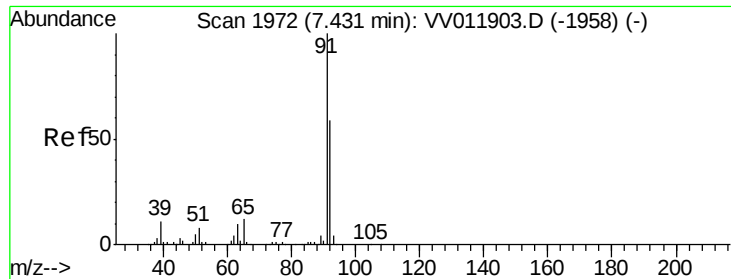
Tgt Ion: 75 Resp: 419094
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 224.541 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Tgt Ion: 43 Resp: 1727820
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.4 44.2
 100 14.3 11.1 16.7





#42

Toluene

Concen: 21.947 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampleId :

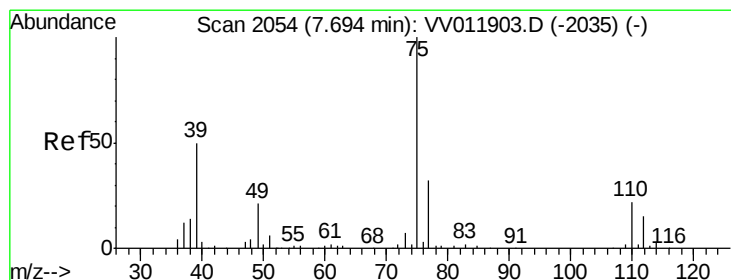
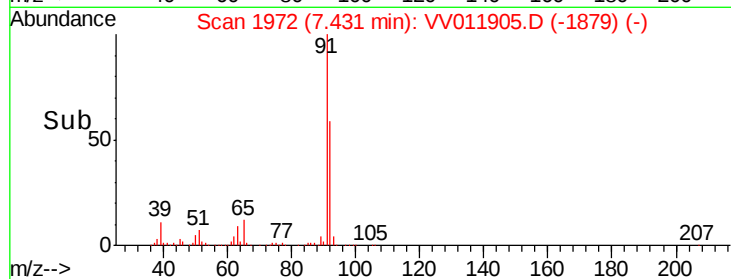
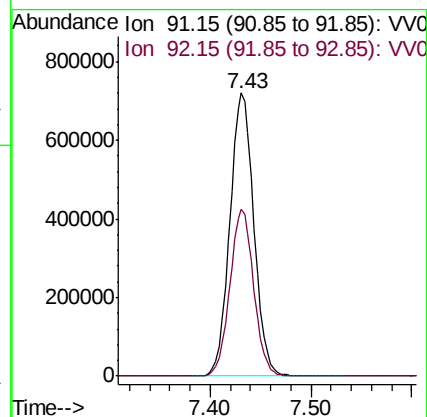
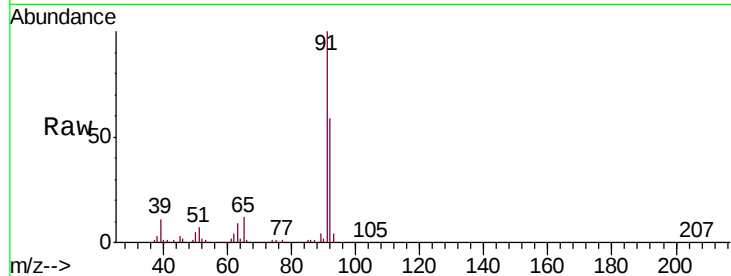
VSTD02034

Tgt Ion: 91 Resp: 1196303

Ion Ratio Lower Upper

91 100

92 59.0 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 23.605 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011905.D

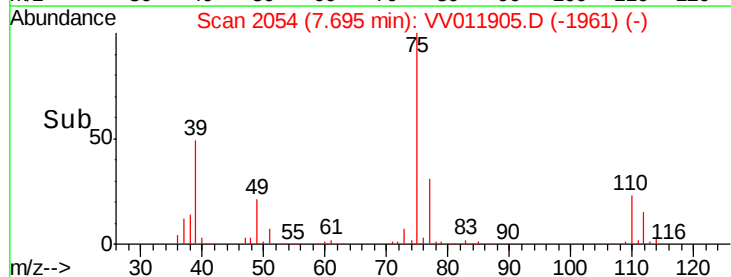
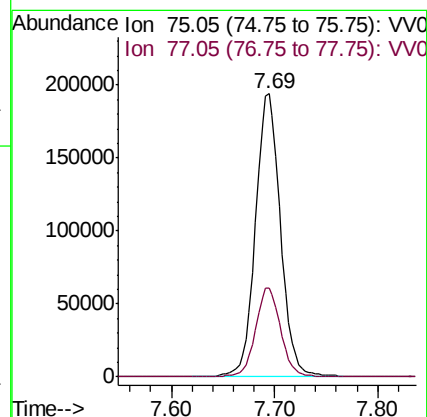
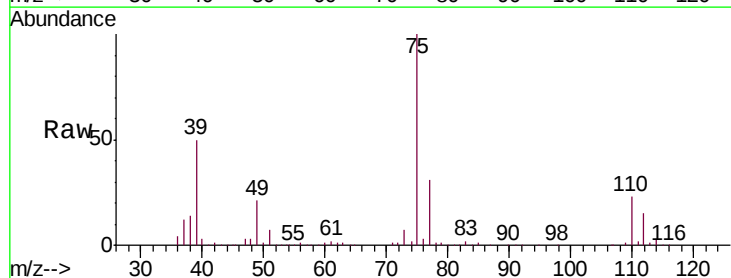
Acq: 17 Jul 2019 11:58

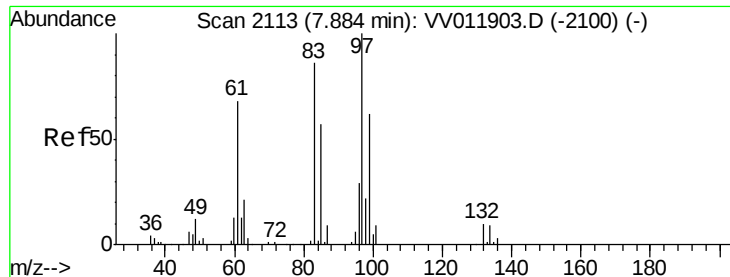
Tgt Ion: 75 Resp: 326364

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3

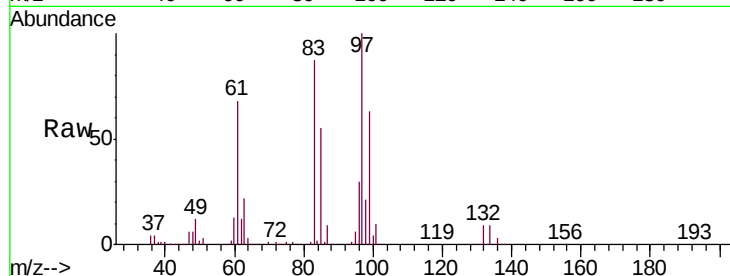




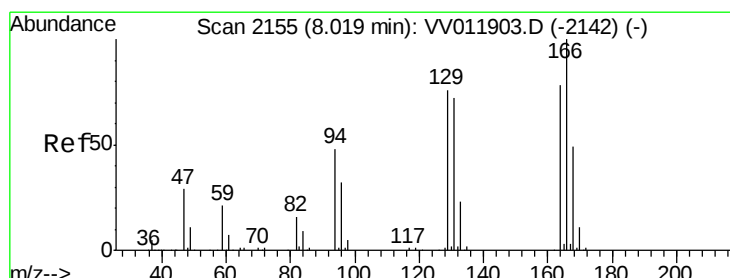
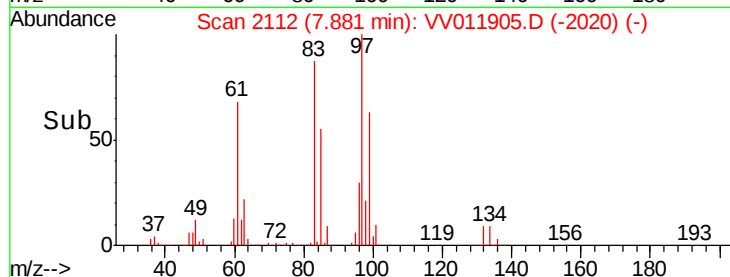
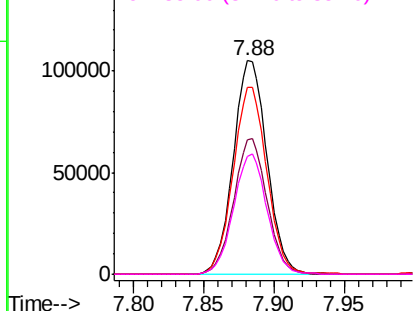
#45
 1,1,2-Trichloroethane
 Concen: 20.271 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tgt Ion:	97	Resp:	176118
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.5	80.7
83	87.3	60.5	112.3
85	55.2	39.6	73.6

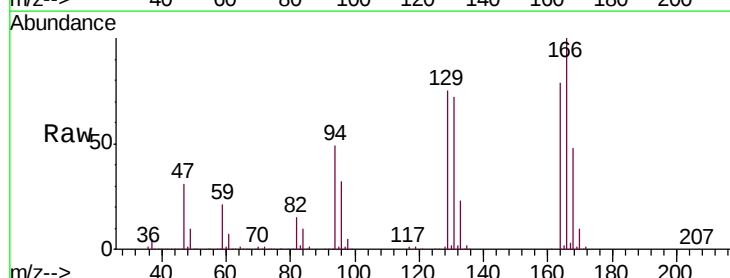


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

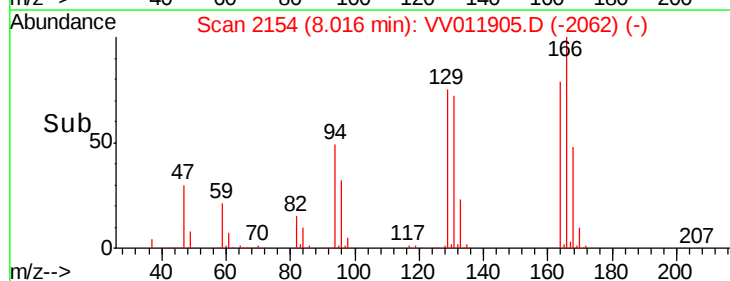
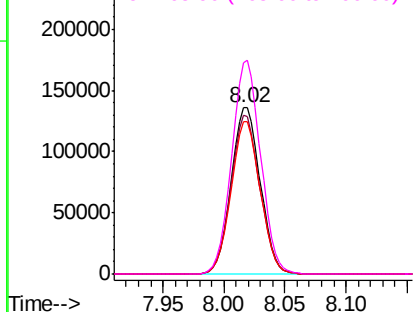


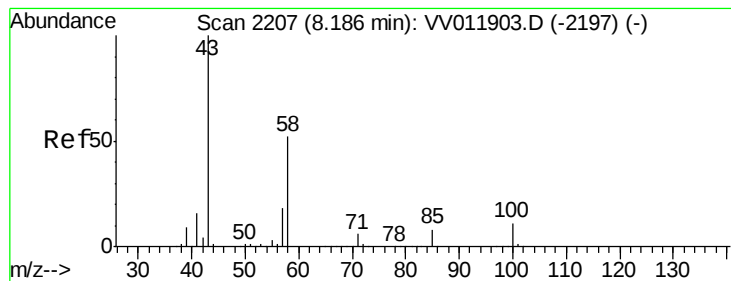
#47
 Tetrachloroethene
 Concen: 20.797 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Tgt Ion:	164	Resp:	226028
Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.6	127.4
131	92.1	64.6	120.0
166	127.4	89.7	166.7



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 220.821 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

Tgt Ion: 43 Resp: 1223955

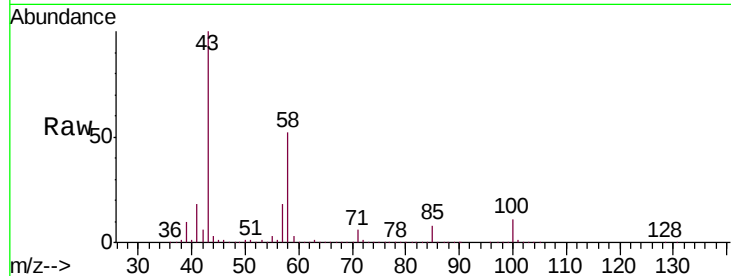
Ion Ratio Lower Upper

43 100

58 52.2 41.1 61.7

57 18.2 14.3 21.5

100 11.3 8.7 13.1

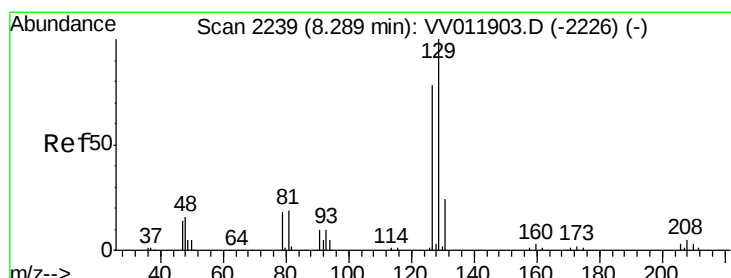
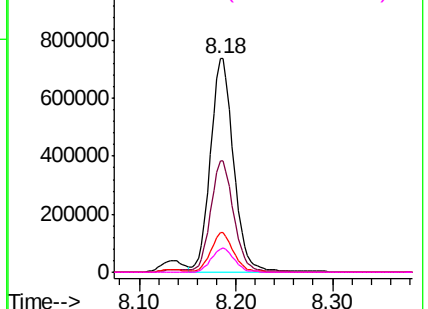
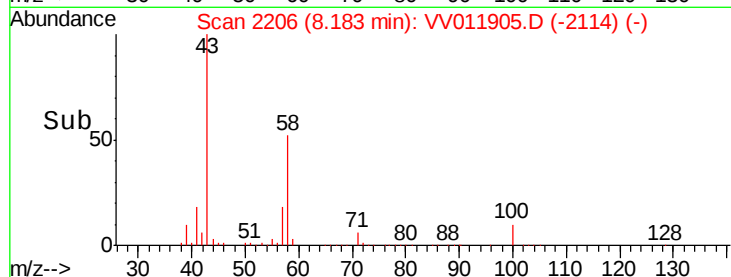


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 22.184 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV011905.D

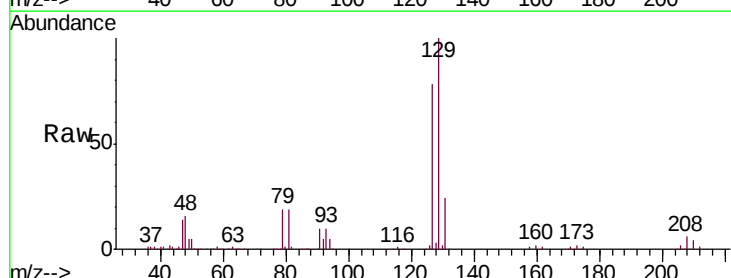
Acq: 17 Jul 2019 11:58

Tgt Ion: 129 Resp: 212738

Ion Ratio Lower Upper

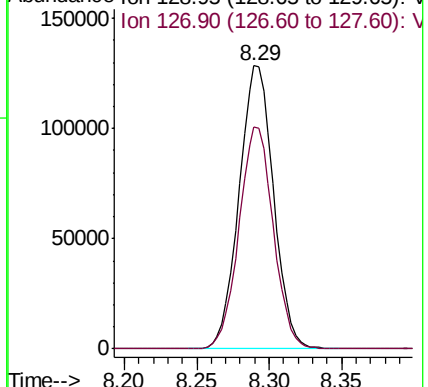
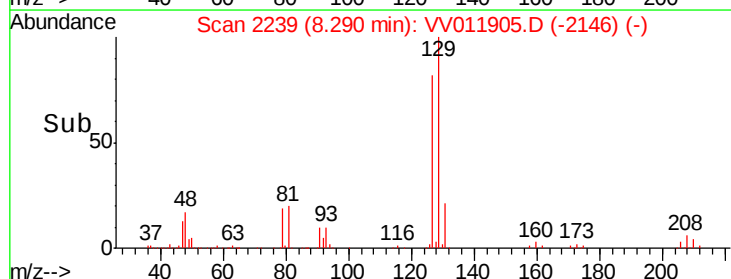
129 100

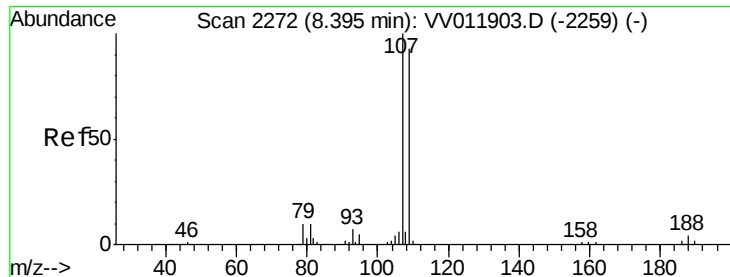
127 78.4 54.3 100.9



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

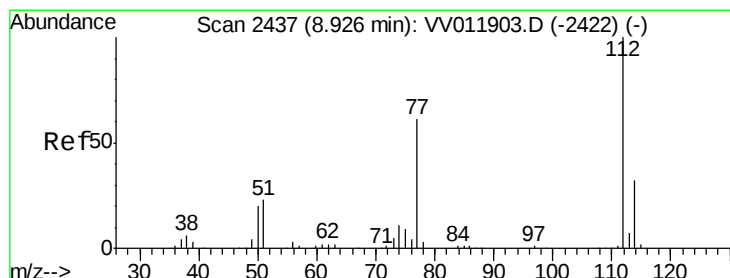
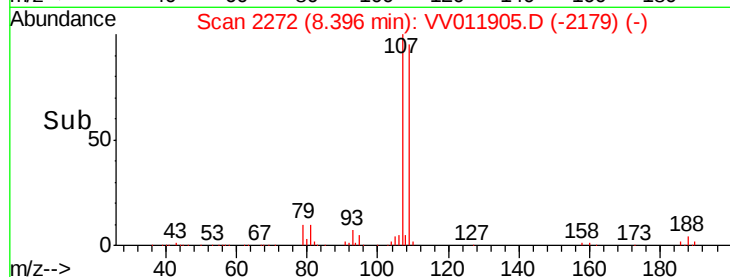
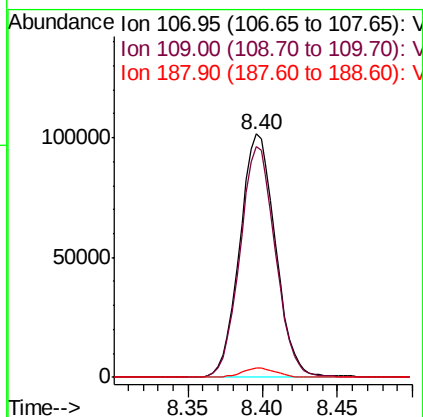
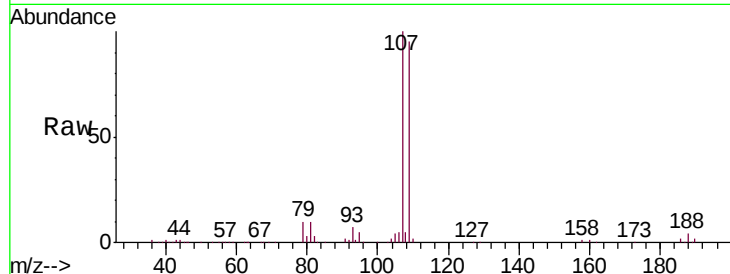




#50
 1,2-Dibromoethane
 Concen: 21.021 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

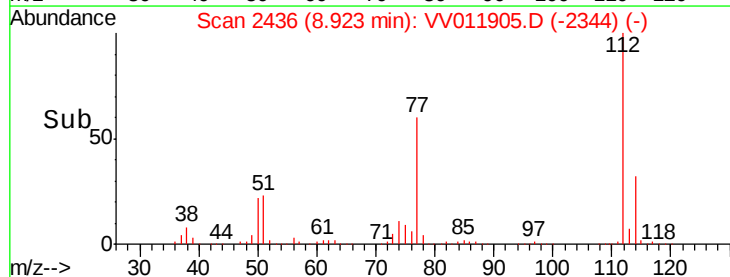
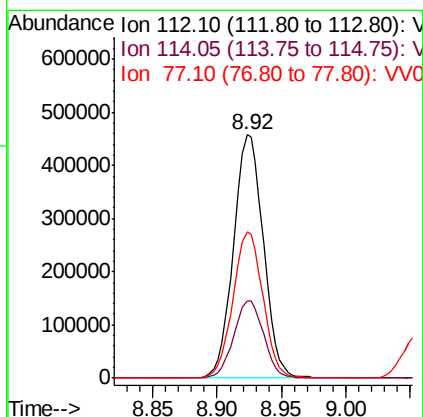
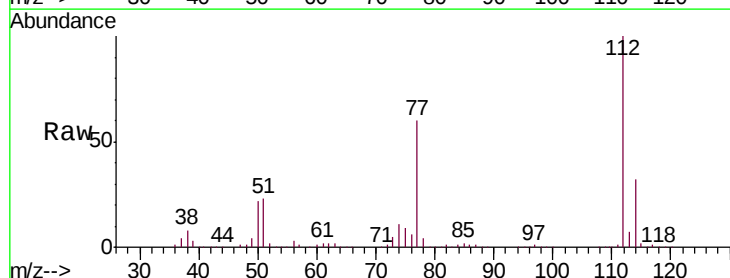
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

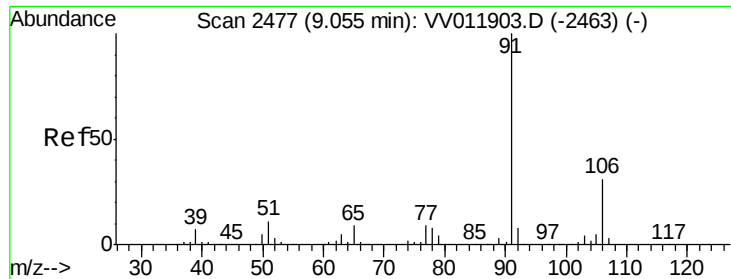
Tgt Ion:107 Resp: 168978
 Ion Ratio Lower Upper
 107 100
 109 95.0 65.2 121.2
 188 3.9 2.9 4.3



#51
 Chlorobenzene
 Concen: 20.943 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Tgt Ion:112 Resp: 737107
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.6 42.0
 77 60.1 48.6 73.0





#52

Ethylbenzene

Concen: 22.533 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampleId :

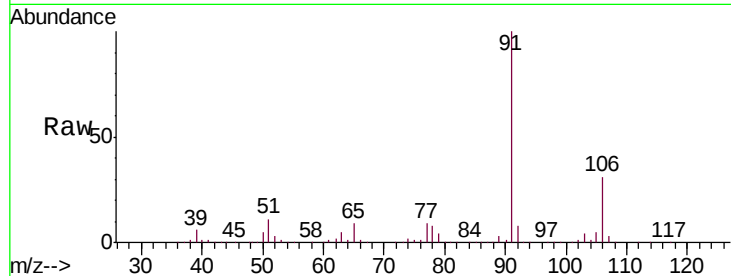
VSTD02034

Tgt Ion: 91 Resp: 1357616

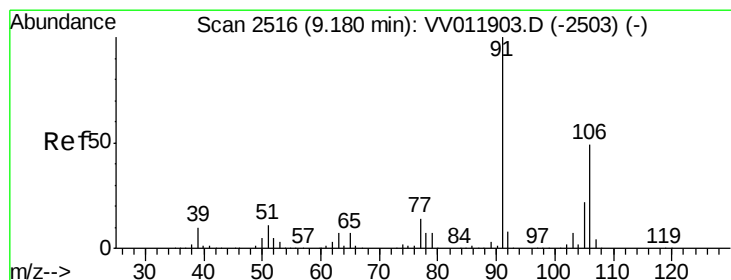
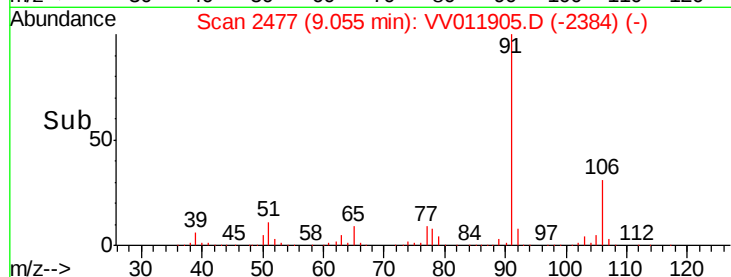
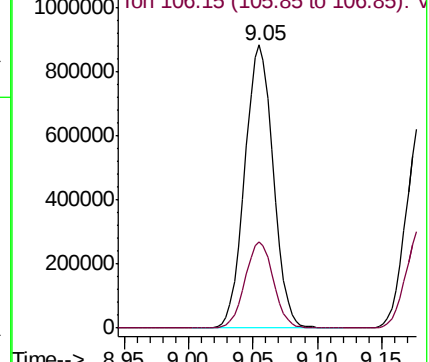
Ion Ratio Lower Upper

91 100

106 30.5 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV011905.D (-2384) (-)



#53

m,p-xylene

Concen: 22.900 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011905.D

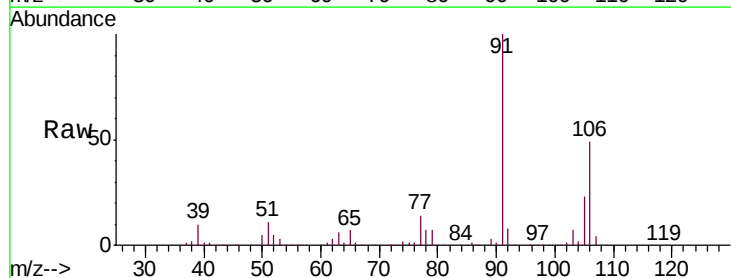
Acq: 17 Jul 2019 11:58

Tgt Ion: 106 Resp: 509468

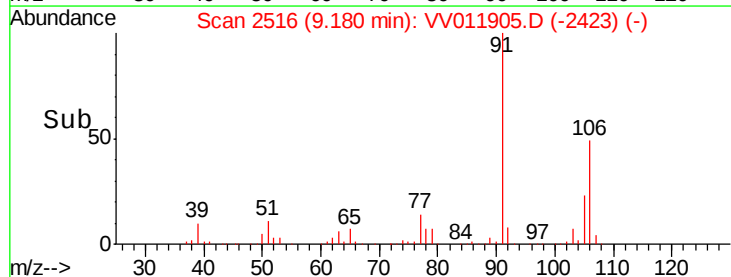
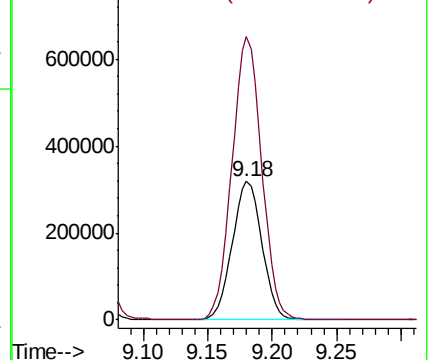
Ion Ratio Lower Upper

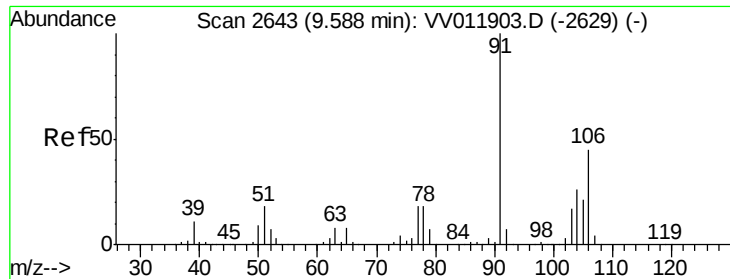
106 100

91 204.4 141.8 263.4



Abundance Ion 106.15 (105.85 to 106.85): VV011905.D (-2423) (-)

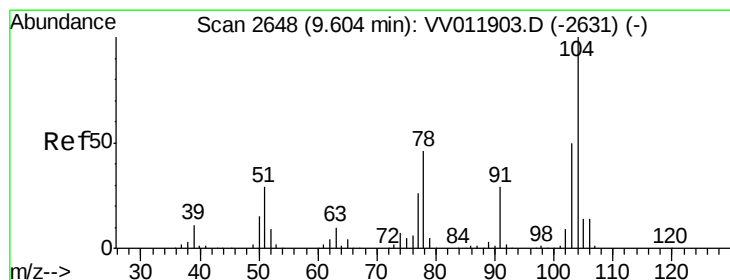
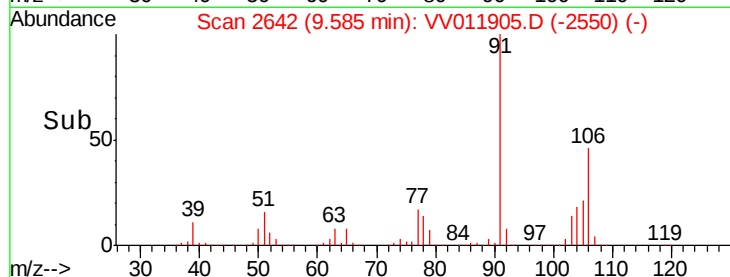
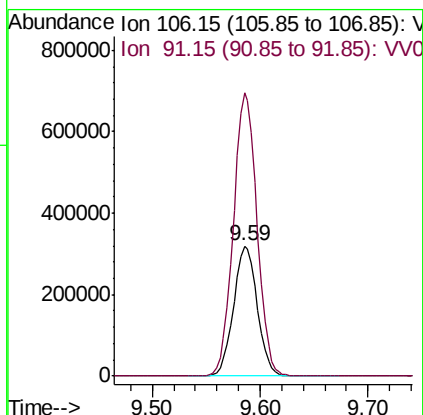
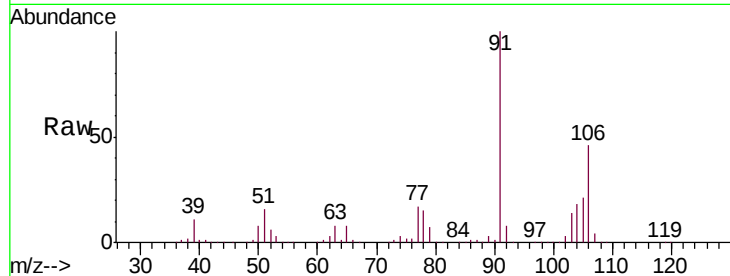




#54
o-xylene
Concen: 23.151 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011905.D
Acq: 17 Jul 2019 11:58

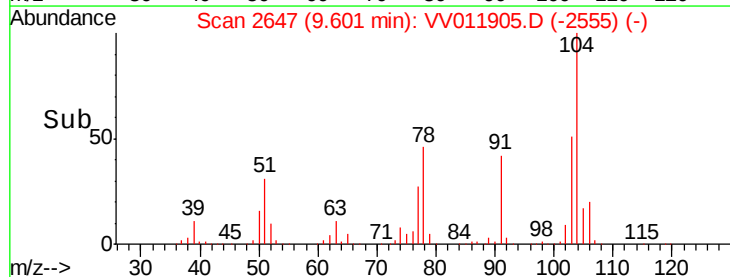
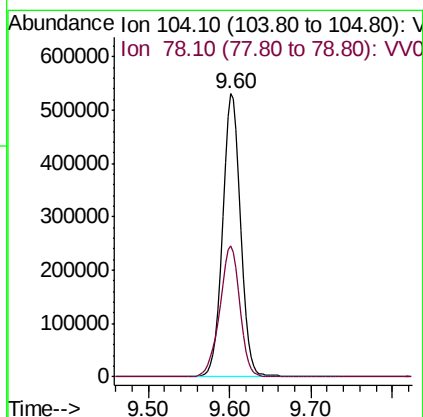
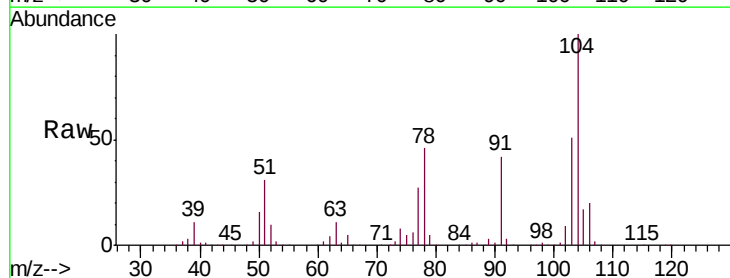
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

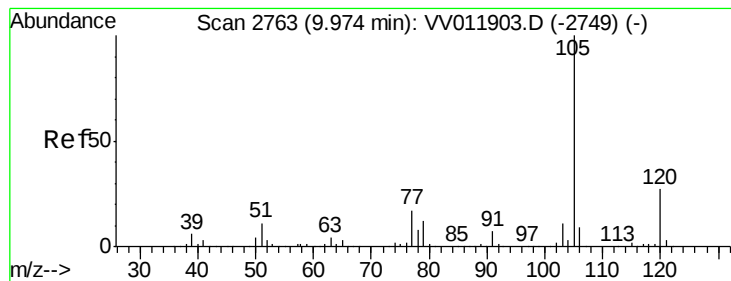
Tgt Ion:106 Resp: 490133
Ion Ratio Lower Upper
106 100
91 218.1 156.9 291.3



#55
Styrene
Concen: 23.374 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV011905.D
Acq: 17 Jul 2019 11:58

Tgt Ion:104 Resp: 834137
Ion Ratio Lower Upper
104 100
78 46.4 32.0 59.4





#56

Isopropylbenzene

Concen: 23.063 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

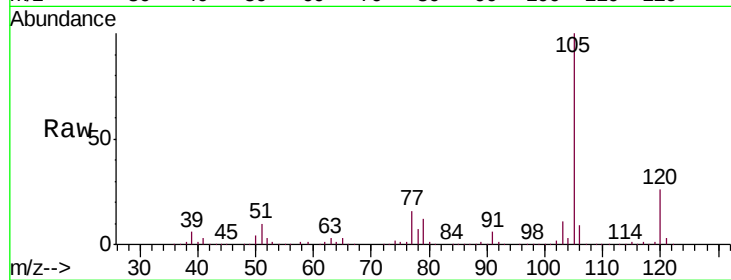
Tgt Ion:105 Resp: 1333437

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

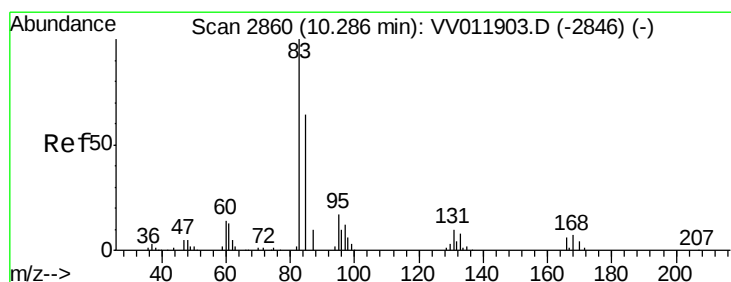
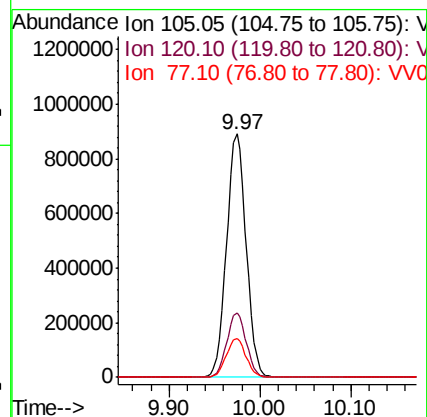
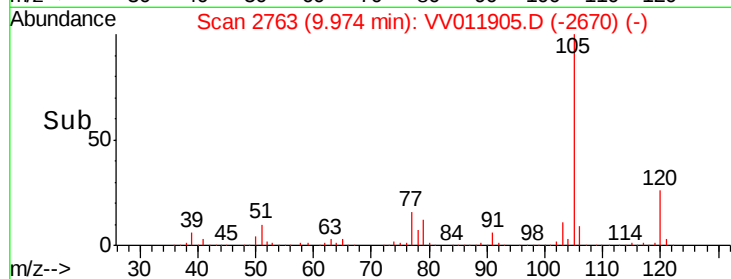
77 16.2 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.721 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

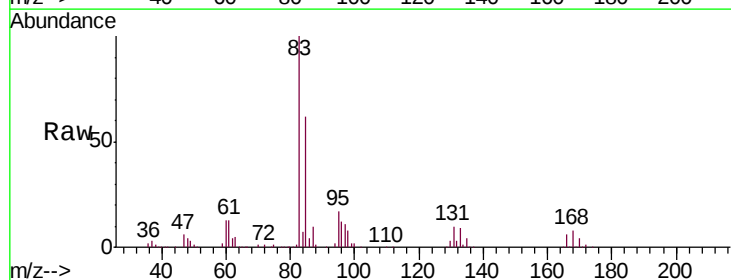
Tgt Ion: 83 Resp: 193620

Ion Ratio Lower Upper

83 100

85 62.3 44.9 83.3

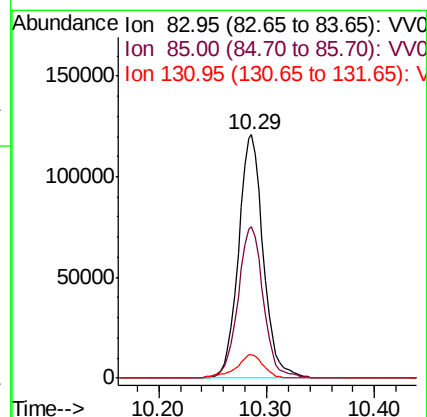
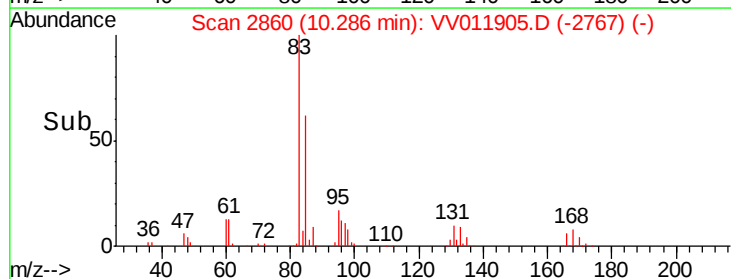
131 9.9 8.2 12.2

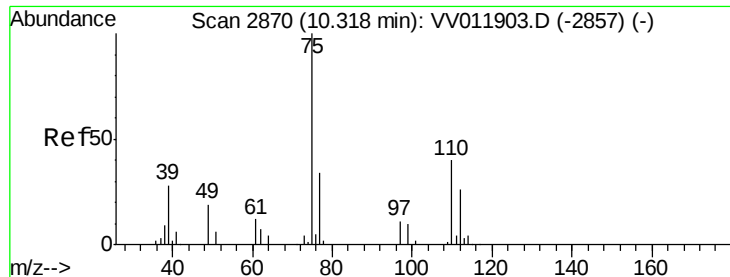


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.265 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampleId :

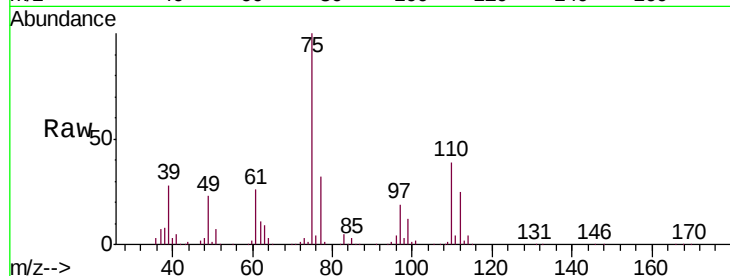
VSTD02034

Tgt Ion: 75 Resp: 155707

Ion Ratio Lower Upper

75 100

77 31.0 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV011903.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011903.D (-2857) (-)

10.32

100000

80000

60000

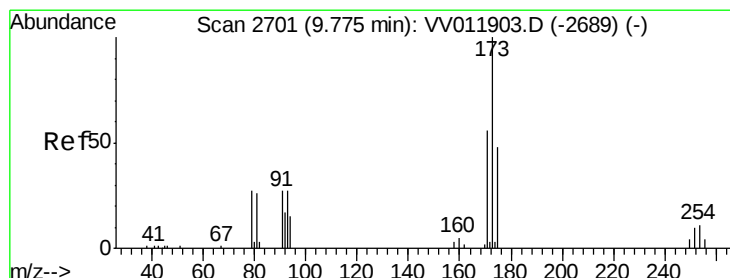
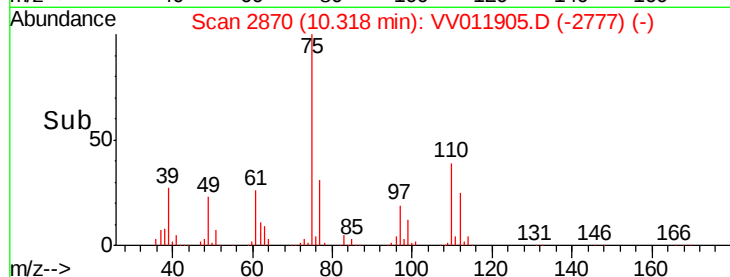
40000

20000

0

10.30 10.40

Time-->



#61

Bromoform

Concen: 23.118 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

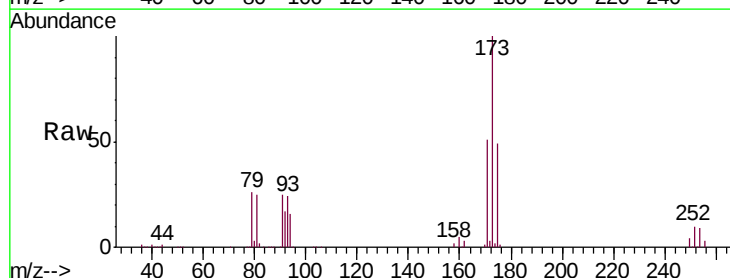
Tgt Ion: 173 Resp: 107866

Ion Ratio Lower Upper

173 100

175 48.1 39.1 58.7

254 9.2 7.8 11.8



Abundance Ion 172.90 (172.60 to 173.60): VV011903.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV011903.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011903.D (-2689) (-)

9.78

80000

60000

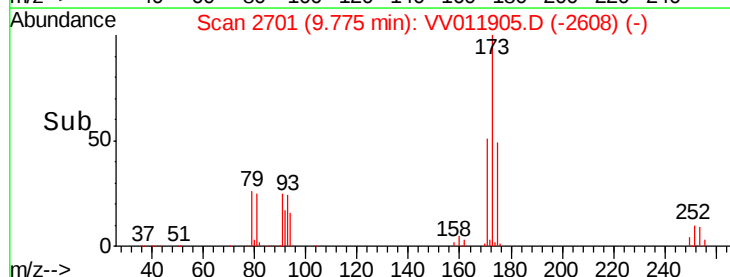
40000

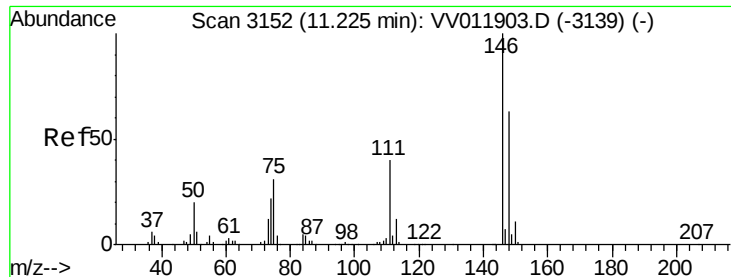
20000

0

9.70 9.80 9.90

Time-->





#62

1,3-Dichlorobenzene

Concen: 21.136 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

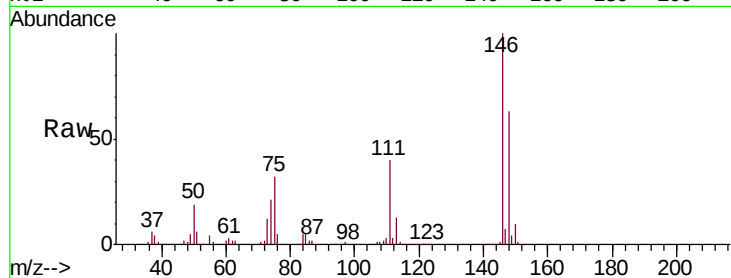
Tgt Ion:146 Resp: 576384

Ion Ratio Lower Upper

146 100

111 40.4 28.1 52.1

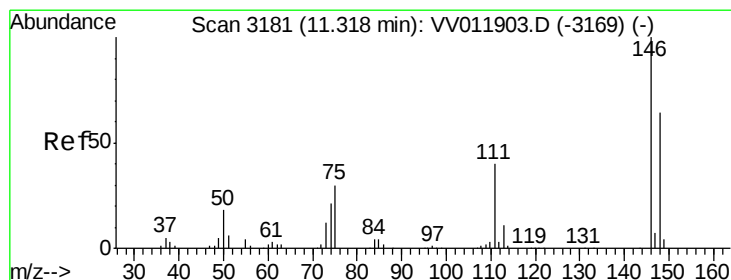
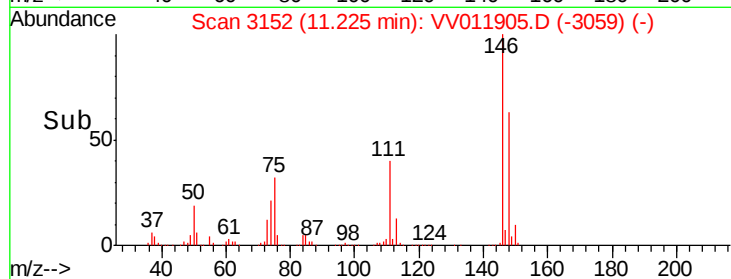
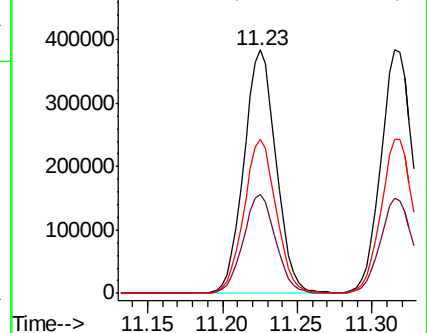
148 63.2 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 20.542 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

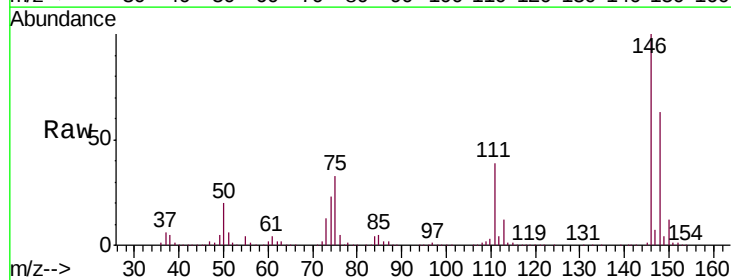
Tgt Ion:146 Resp: 580517

Ion Ratio Lower Upper

146 100

111 38.8 28.0 52.0

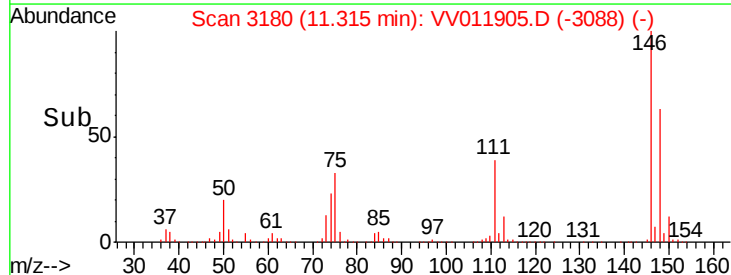
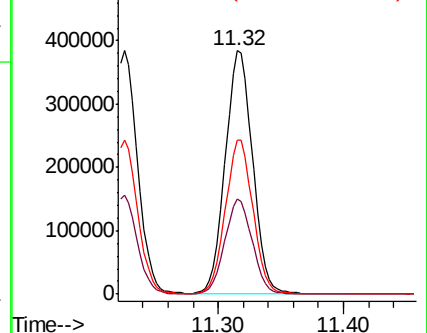
148 63.5 44.5 82.7

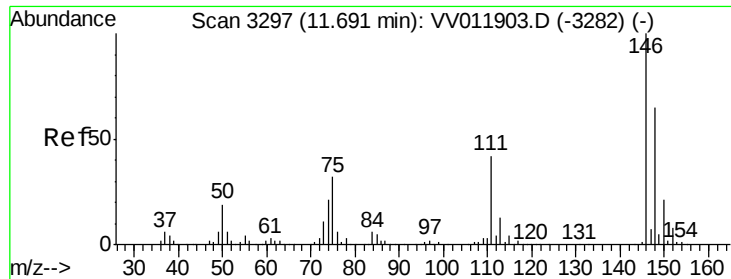


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

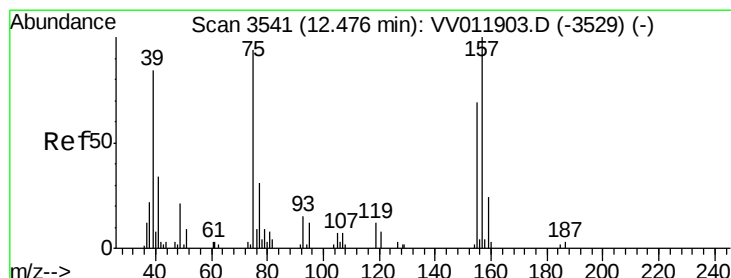
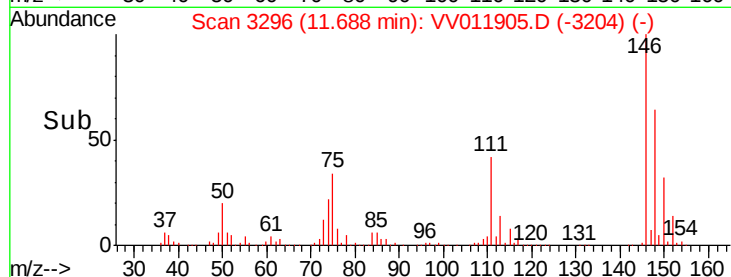
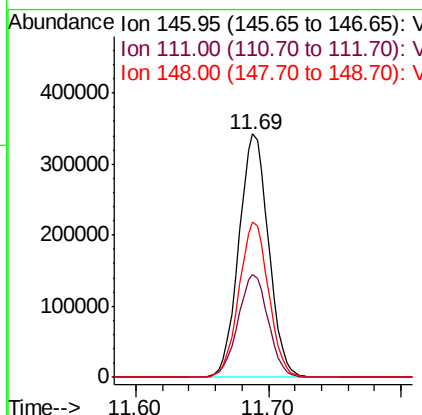
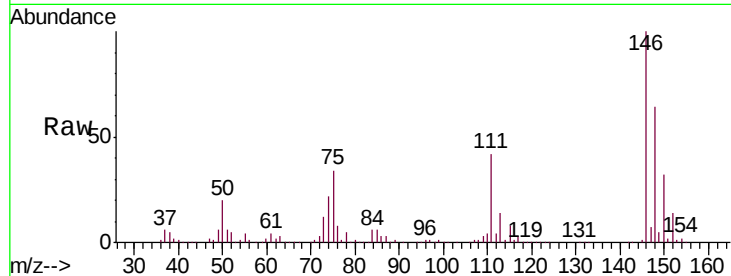




#65
 1,2-Dichlorobenzene
 Concen: 20.620 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

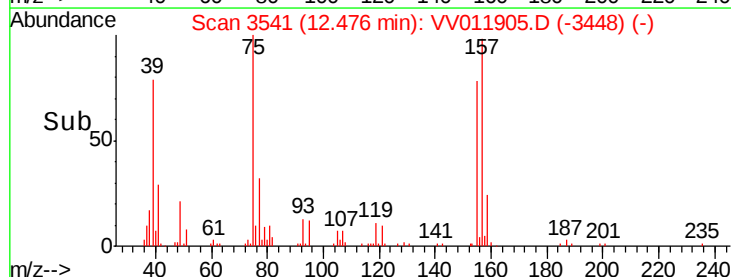
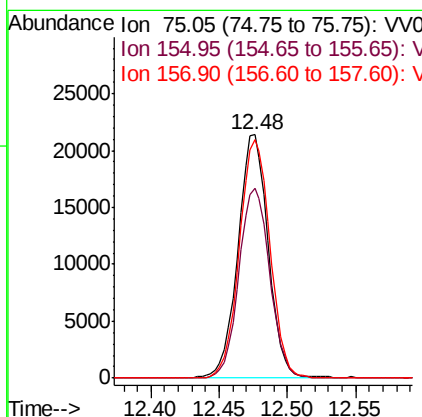
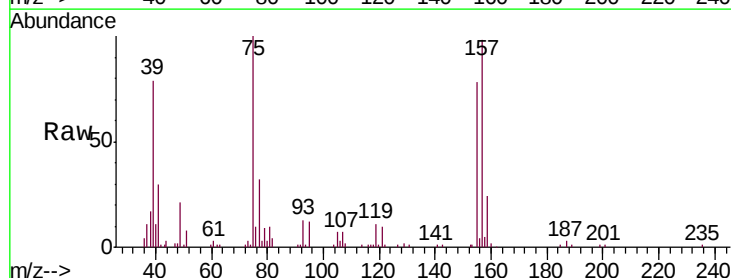
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

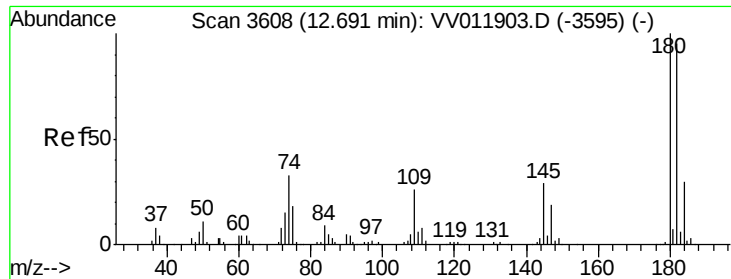
Tgt Ion: 146 Resp: 532162
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.0 51.0
 148 63.8 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.927 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Tgt Ion: 75 Resp: 32929
 Ion Ratio Lower Upper
 75 100
 155 77.7 59.4 89.0
 157 98.0 85.5 128.3

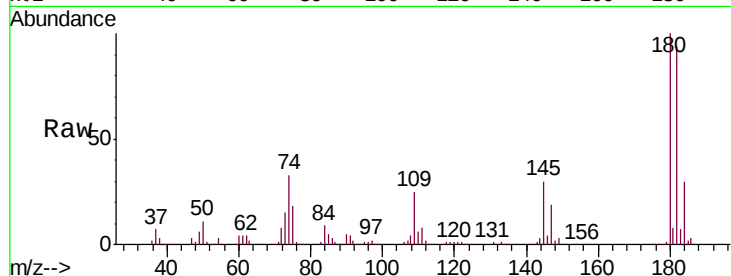




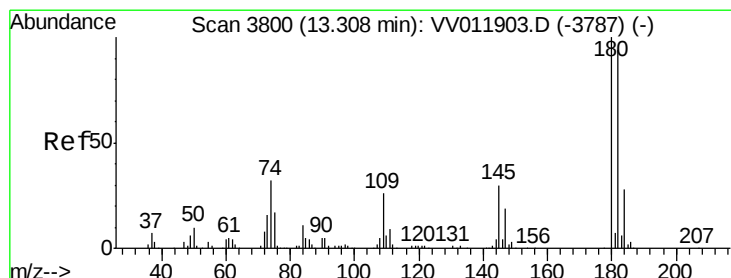
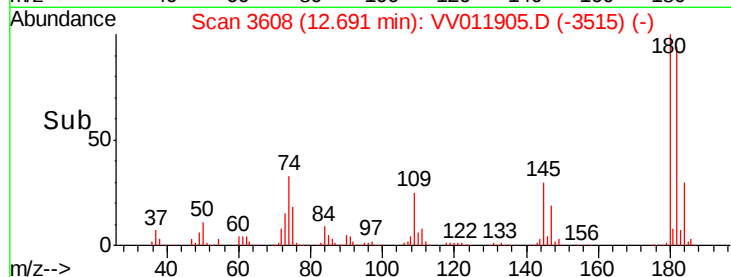
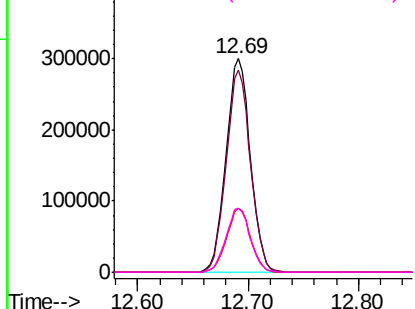
#67
 1,3,5-Trichlorobenzene
 Concen: 21.383 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tgt Ion:180 Resp: 458094
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.5 113.3
 184 29.7 24.2 36.2
 145 30.0 23.5 35.3

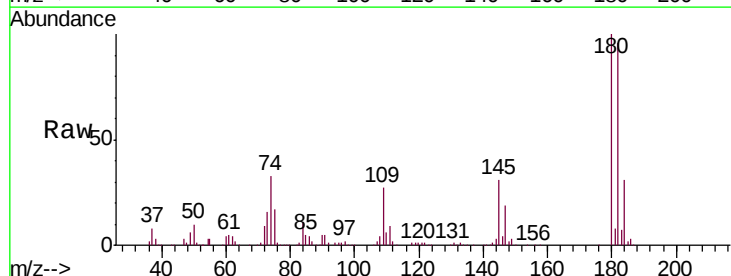


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

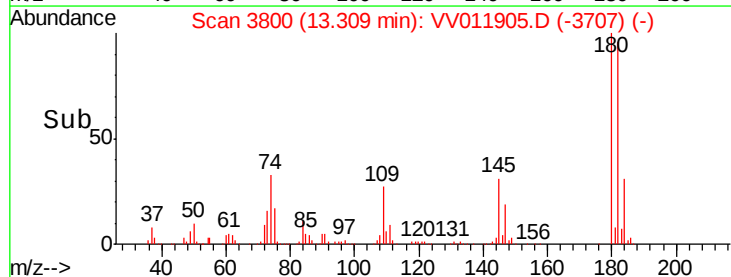
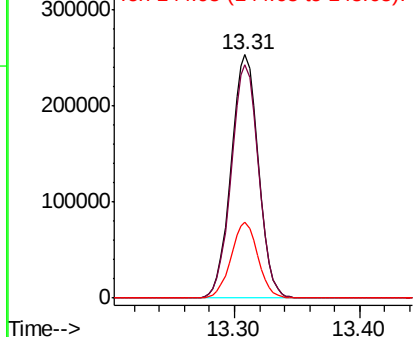


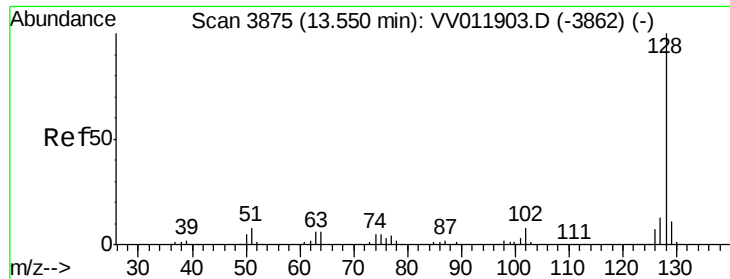
#68
 1,2,4-trichlorobenzene
 Concen: 22.430 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011905.D
 Acq: 17 Jul 2019 11:58

Tgt Ion:180 Resp: 382284
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.0 114.0
 145 30.6 24.2 36.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 26.206 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

Instrument :

MSVOA_V

ClientSampled :

VSTD02034

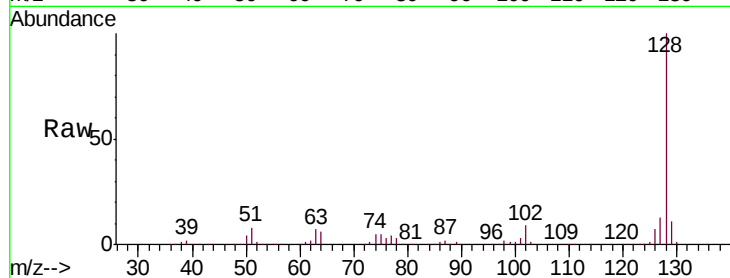
Tgt Ion:128 Resp: 660724

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

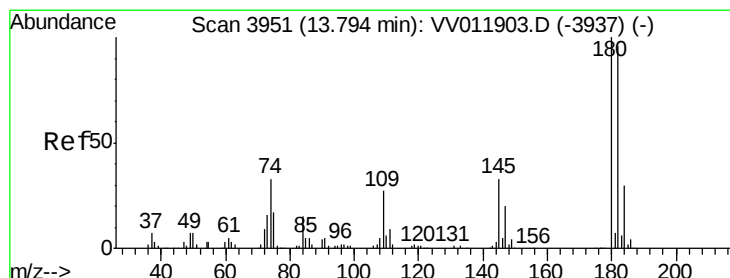
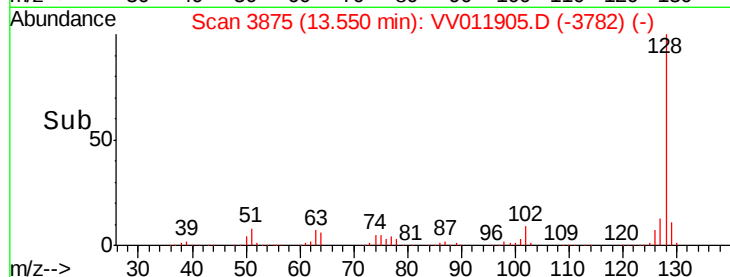
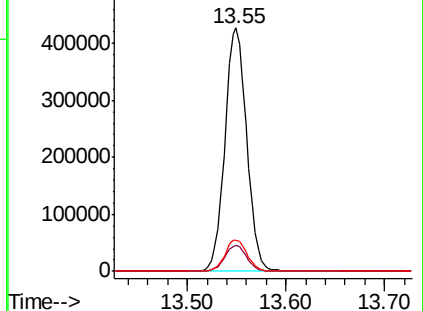
127 13.1 10.7 16.1



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: 22.581 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011905.D

Acq: 17 Jul 2019 11:58

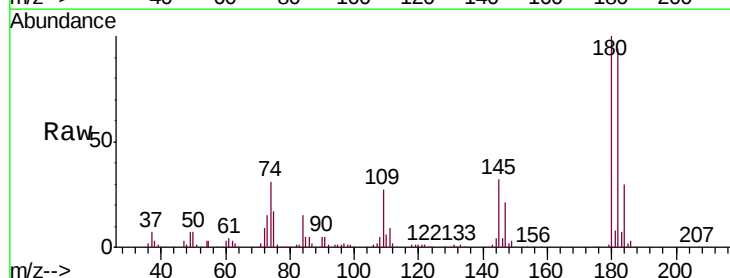
Tgt Ion:180 Resp: 347937

Ion Ratio Lower Upper

180 100

182 94.2 77.0 115.6

145 32.5 26.1 39.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

