

Data File : VV012517.D
Acq On : 02 Sep 2019 09:46
Operator : SY/MD
Sample : VSTD00131
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

Quant Time: Sep 03 01:47:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 01:44:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	167411	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	162374	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	76191	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16225	1.07	ug/L	0.00
7) Chloroethane-d5	1.58	69	15707	1.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	42217	1.53	ug/L	0.00
20) 2-Butanone-d5	3.97	46	9848	3.23	ug/L	0.00
24) Chloroform-d	4.40	84	25081	0.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	13000	1.04	ug/L	0.00
32) Benzene-d6	5.10	84	44732	0.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	14130	0.93	ug/L	0.00
41) Toluene-d8	7.36	98	39994	0.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5129	0.96	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	15154	7.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	9831	0.92	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	13946	0.95	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	25043	1.141 ug/L	99
3) Chloromethane	1.25	50	29324	1.279 ug/L	97
5) Vinyl chloride	1.32	62	31755	1.423 ug/L	99
6) Bromomethane	1.54	94	17761	1.433 ug/L	98
8) Chloroethane	1.60	64	20927	1.651 ug/L	96
9) Trichlorofluoromethane	1.77	101	47178	1.568 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	27479	1.780 ug/L	98
12) 1,1-Dichloroethene	2.14	96	25057	1.714 ug/L	97
13) Acetone	2.23	43	49877	18.743 ug/L	96
14) Carbon disulfide	2.32	76	81341	1.814 ug/L	100
15) Methyl Acetate	2.47	43	12548	1.896 ug/L	94
16) Methylene chloride	2.53	84	28749	1.715 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	40597	1.154 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	19305	1.177 ug/L	97
19) 1,1-Dichloroethane	3.23	63	37874	1.184 ug/L	99
21) 2-Butanone	4.05	43	43296	10.586 ug/L	# 67
22) cis-1,2-Dichloroethene	3.96	96	19979	1.174 ug/L	88
23) Bromochloromethane	4.30	128	8116	1.113 ug/L	90
25) Chloroform	4.43	83	39979	1.194 ug/L	93
27) 1,2-Dichloroethane	5.18	62	22284	1.169 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	30675	1.176 ug/L	100
30) Cyclohexane	4.72	56	29491	1.110 ug/L	99
31) Carbon tetrachloride	4.87	117	26912	1.173 ug/L	99
33) Benzene	5.14	78	73639	1.098 ug/L	100
34) Trichloroethene	5.96	95	21034	1.225 ug/L	98
35) Methylcyclohexane	6.17	83	29605	1.134 ug/L	98
37) 1,2-Dichloropropane	6.22	63	21091	1.215 ug/L	# 94
38) Bromodichloromethane	6.55	83	24986	1.145 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	23544	1.040 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	105786	10.567 ug/L	97

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	78955	1.147	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	18401	1.042	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	12715	1.097	ug/L	97
47) Tetrachloroethene	8.02	164	15251	1.127	ug/L	97
48) 2-Hexanone	8.19	43	72956	10.691	ug/L	95
49) Dibromochloromethane	8.29	129	14219	1.080	ug/L	99
50) 1,2-Dibromoethane	8.40	107	10789	1.059	ug/L	99
51) Chlorobenzene	8.92	112	50566	1.160	ug/L	97
52) Ethylbenzene	9.05	91	81363	1.111	ug/L	98
53) m,p-xylene	9.18	106	29042	1.094	ug/L	93
54) o-xylene	9.59	106	26436	1.016	ug/L	98
55) Styrene	9.60	104	44606	1.026	ug/L	97
56) Isopropylbenzene	9.97	105	74930	1.087	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	13469	0.998	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	11333	1.165	ug/L	99
61) Bromoform	9.77	173	6823	0.991	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	36352	1.143	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	38151	1.195	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	33003	1.104	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	2117	1.049	ug/L #	87
67) 1,3,5-Trichlorobenzene	12.69	180	25656	1.082	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	17693	1.018	ug/L	96
69) Naphthalene	13.55	128	21095	0.841	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	15457	0.942	ug/L	97

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

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ClientSampleId :
VSTD00131

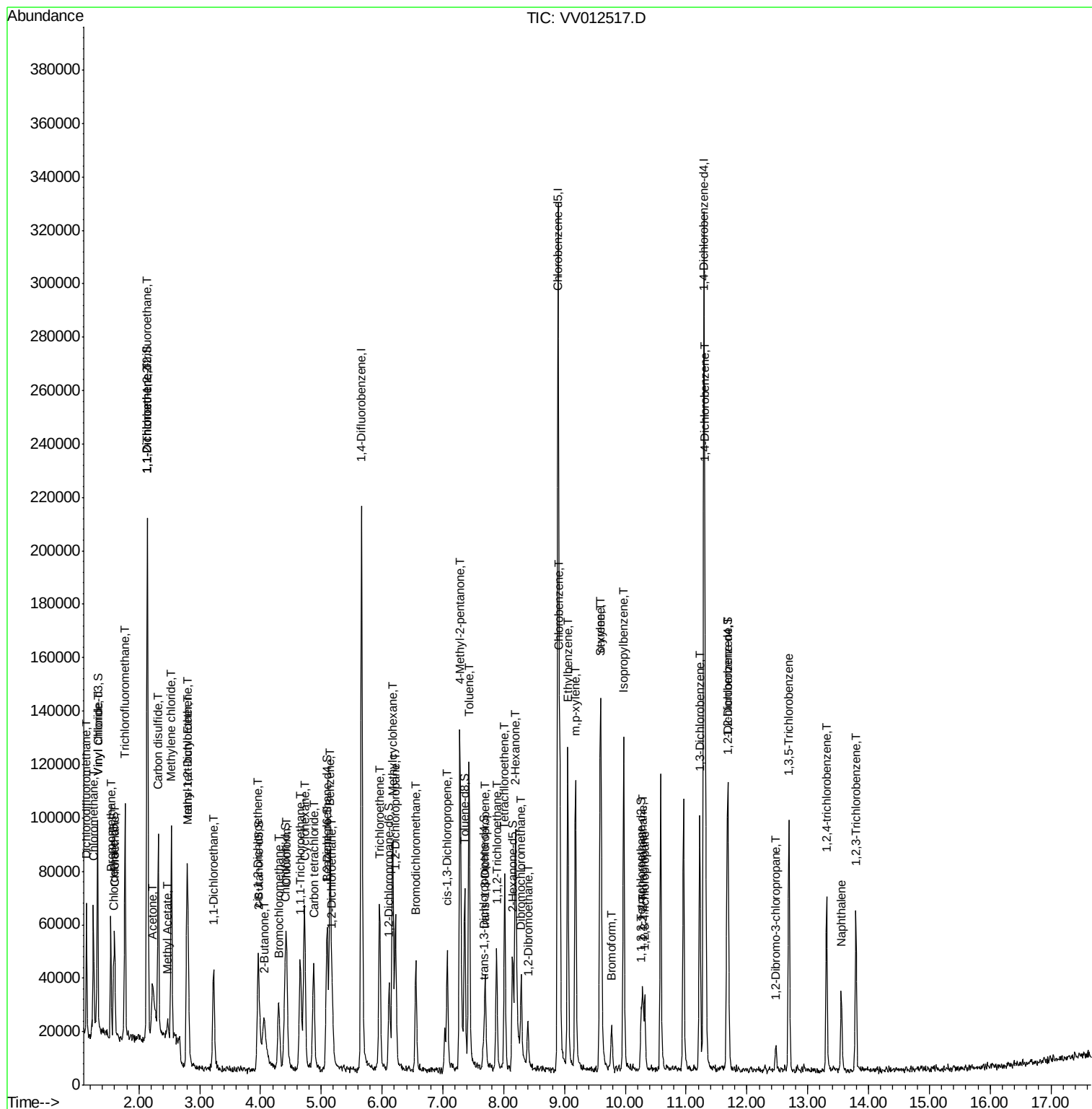
Quant Time: Sep 03 01:47:54 2019

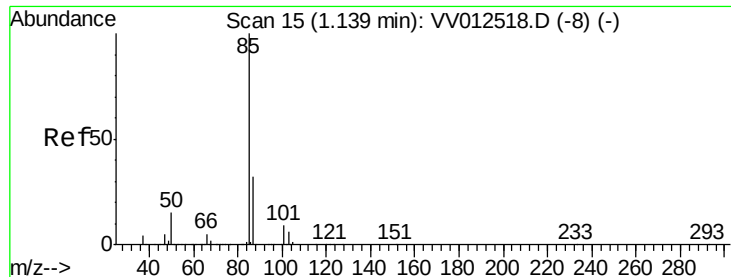
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR090219WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 1.141 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

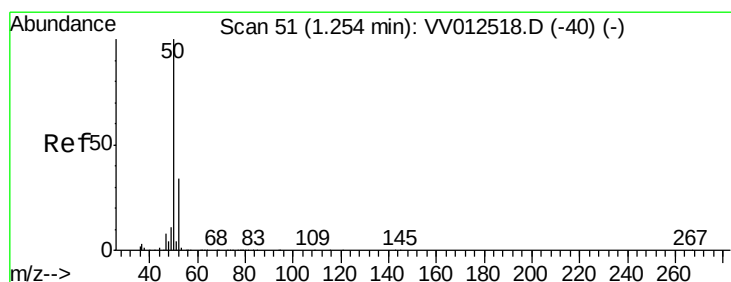
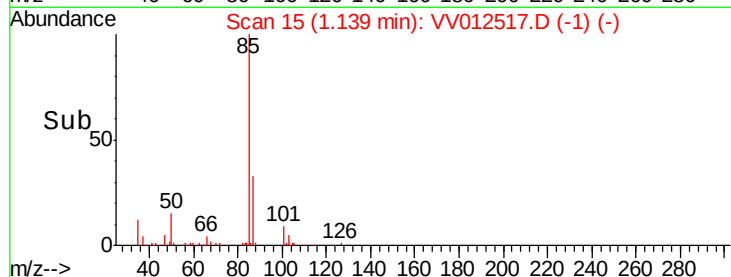
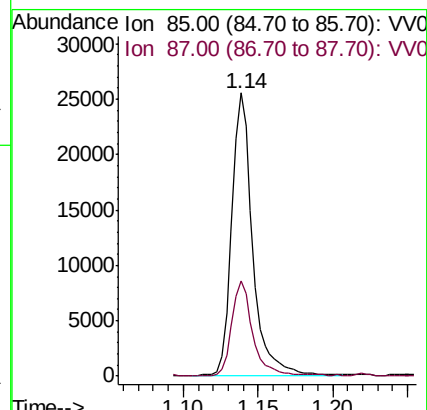
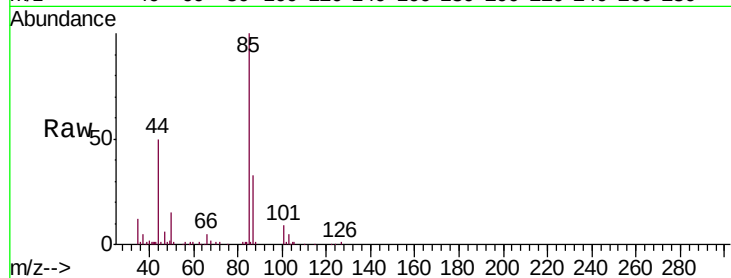
VSTD00131

Tgt Ion: 85 Resp: 25043

Ion Ratio Lower Upper

85 100

87 33.4 26.4 39.6



#3

Chloromethane

Concen: 1.279 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012517.D

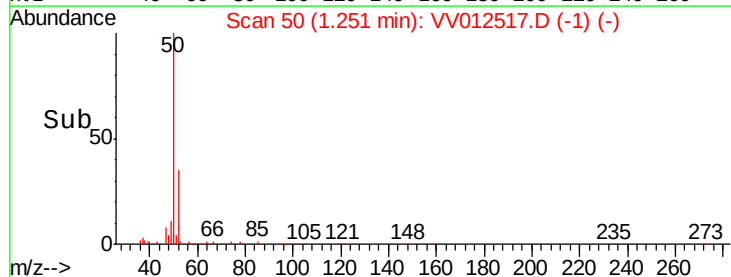
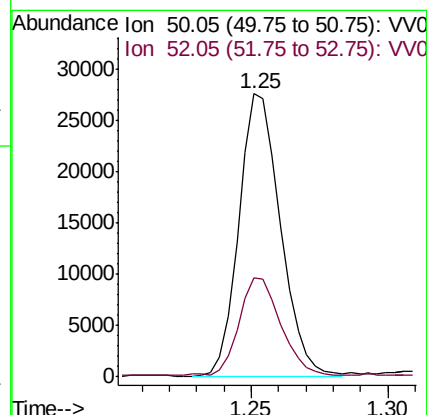
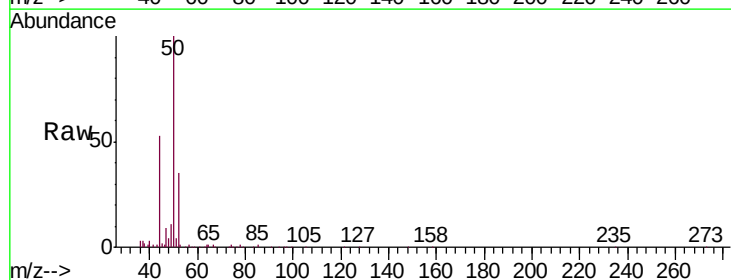
Acq: 02 Sep 2019 09:46

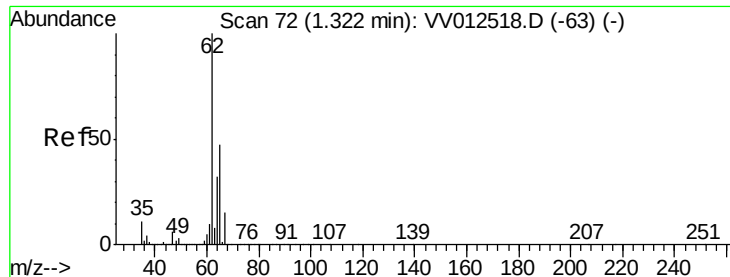
Tgt Ion: 50 Resp: 29324

Ion Ratio Lower Upper

50 100

52 35.1 23.5 43.7





#5

Vinyl chloride

Concen: 1.423 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

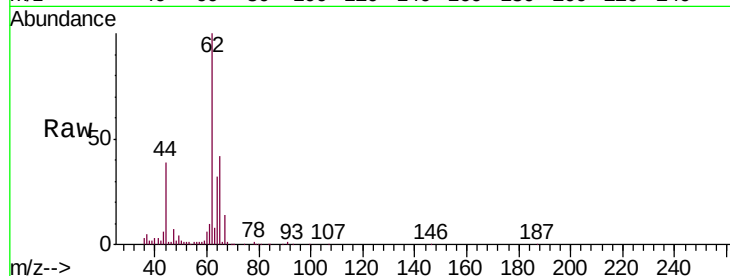
VSTD00131

Tgt Ion: 62 Resp: 31755

Ion Ratio Lower Upper

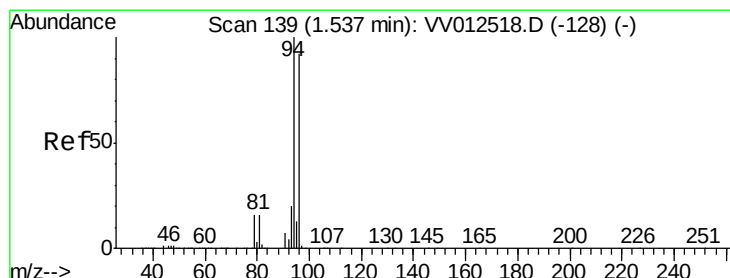
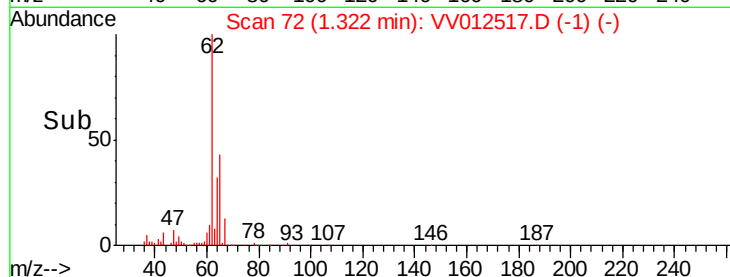
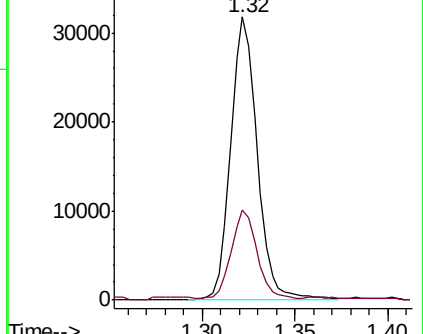
62 100

64 31.6 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV012517.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV012517.D (-64) (-)



#6

Bromomethane

Concen: 1.433 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012517.D

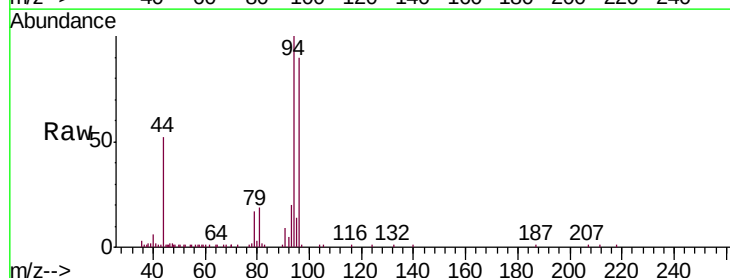
Acq: 02 Sep 2019 09:46

Tgt Ion: 94 Resp: 17761

Ion Ratio Lower Upper

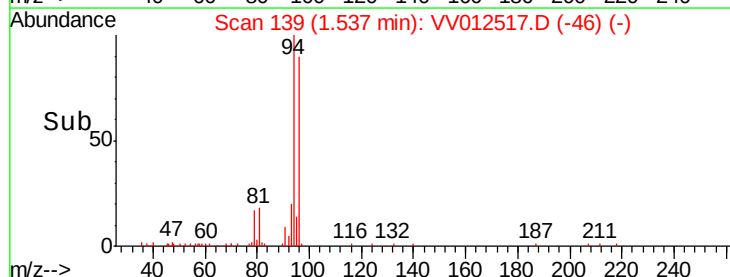
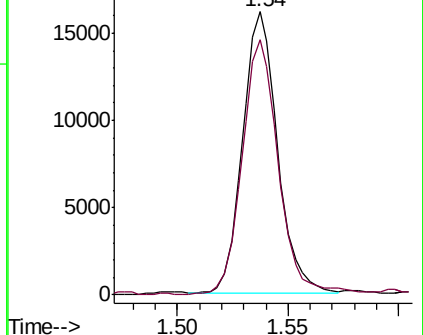
94 100

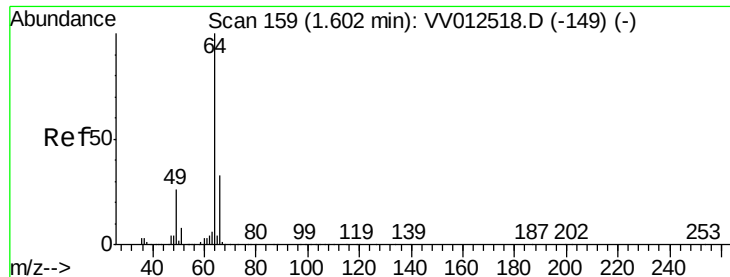
96 90.0 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VV012517.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VV012517.D (-96) (-)





#8

Chloroethane

Concen: 1.651 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

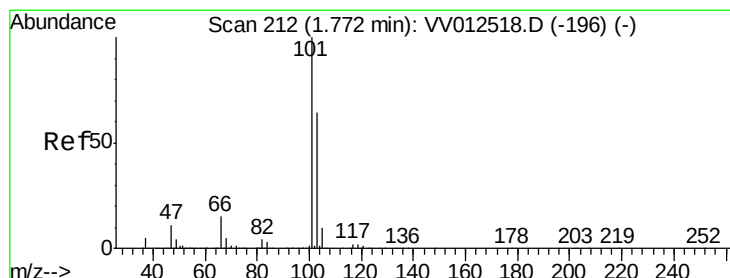
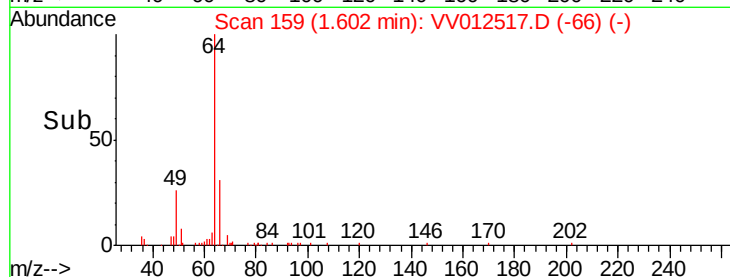
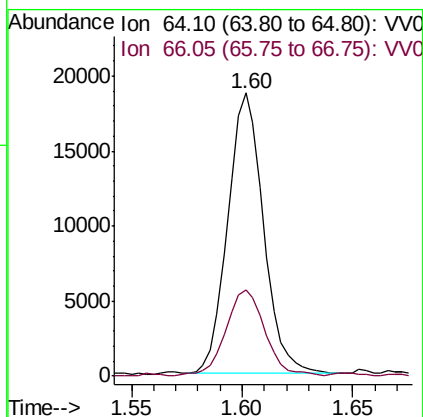
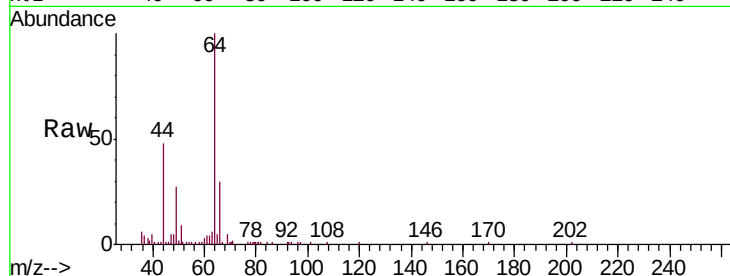
VSTD00131

Tgt Ion: 64 Resp: 20927

Ion Ratio Lower Upper

64 100

66 30.5 23.1 42.9



#9

Trichlorofluoromethane

Concen: 1.568 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV012517.D

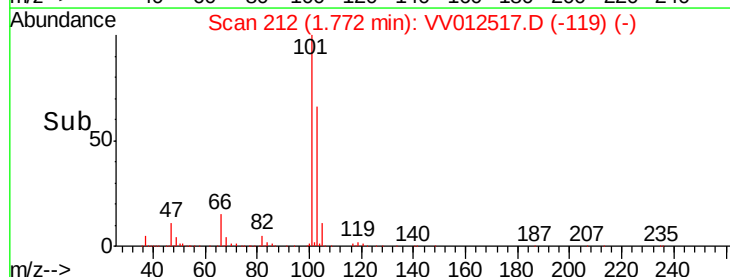
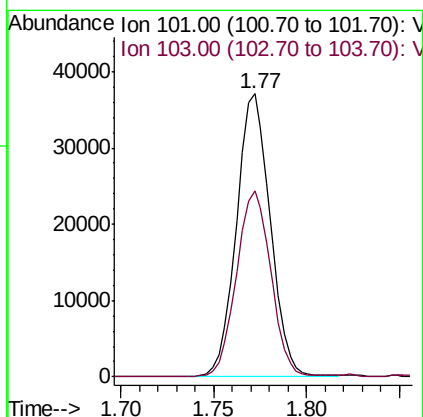
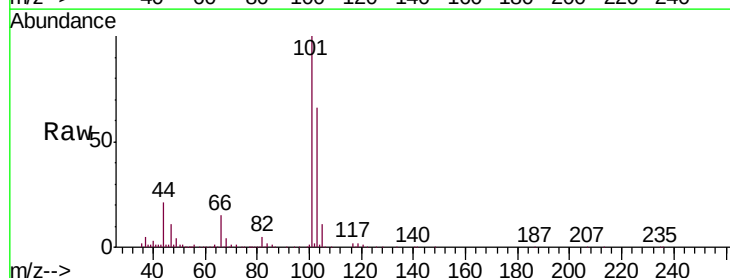
Acq: 02 Sep 2019 09:46

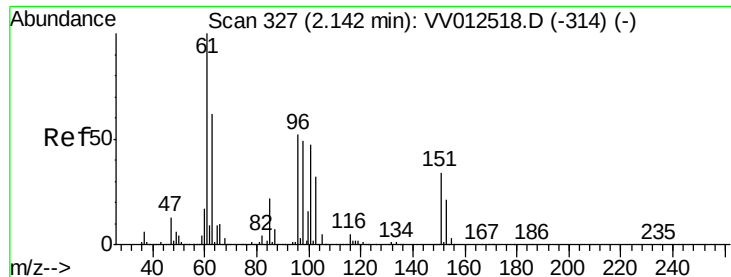
Tgt Ion: 101 Resp: 47178

Ion Ratio Lower Upper

101 100

103 66.9 51.2 76.8





#10

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

Concen: 1.780 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

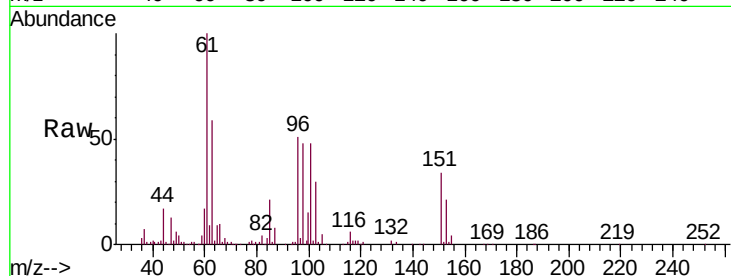
Tgt Ion: 101 Resp: 27479

Ion Ratio Lower Upper

101 100

85 46.9 37.4 56.0

151 67.8 56.7 85.1

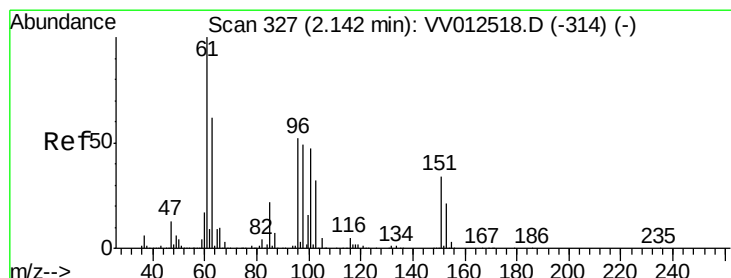
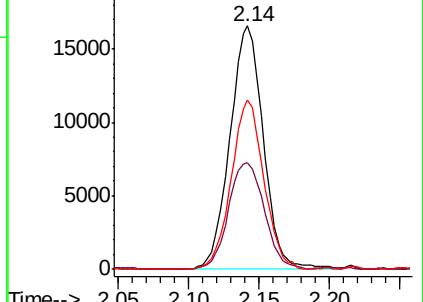
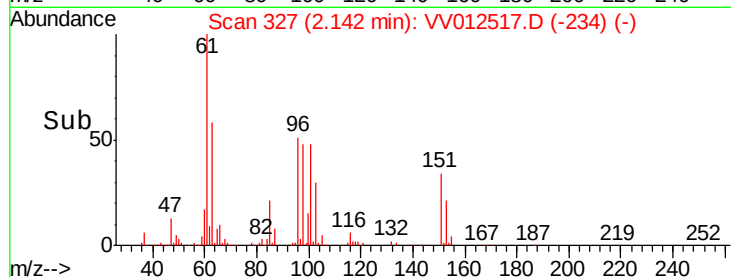


Abundance Ion 101.00 (100.70 to 101.70): VV012517.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV012517.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV012517.D (-234) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 1.714 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

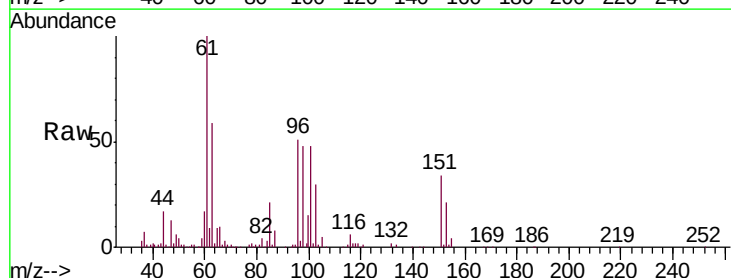
Tgt Ion: 96 Resp: 25057

Ion Ratio Lower Upper

96 100

61 195.4 133.7 248.3

63 114.9 83.2 154.6

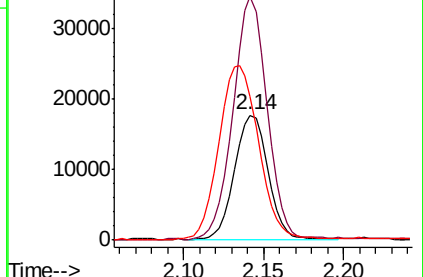
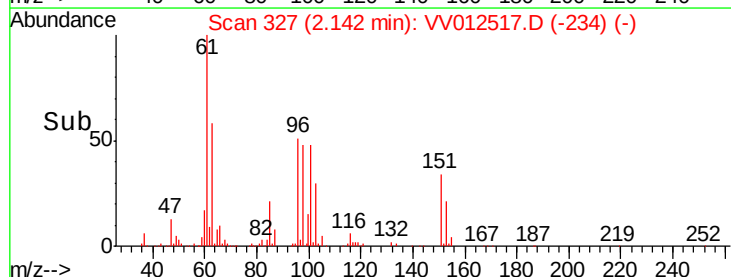


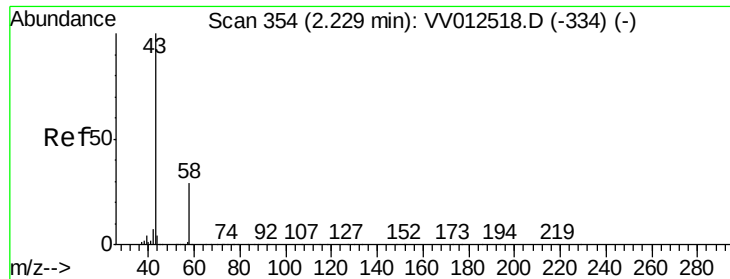
Abundance Ion 96.00 (95.70 to 96.70): VV012517.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV012517.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV012517.D (-234) (-)

Time-->





#13

Acetone

Concen: 18.743 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV012517.D

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ClientSampleId :

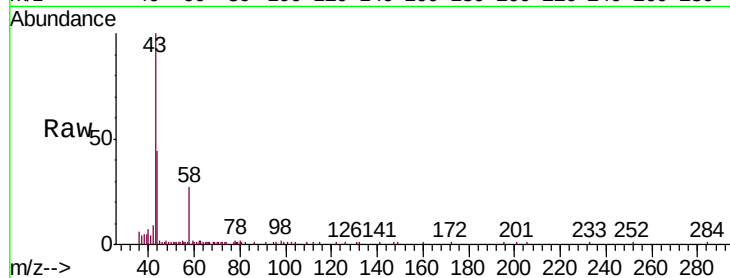
VSTD00131

Tgt Ion: 43 Resp: 49877

Ion Ratio Lower Upper

43 100

58 27.0 0.0 58.2



Abundance Ion 43.05 (42.75 to 43.75): VV012518.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV012518.D (-334) (-)

15000

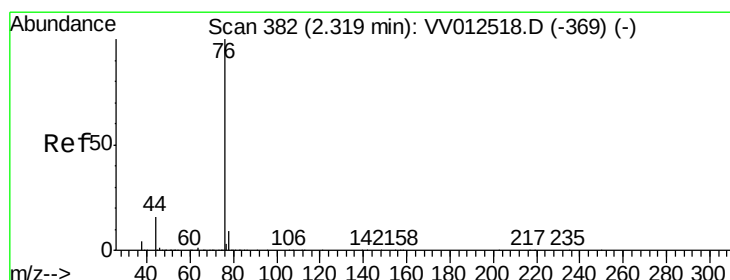
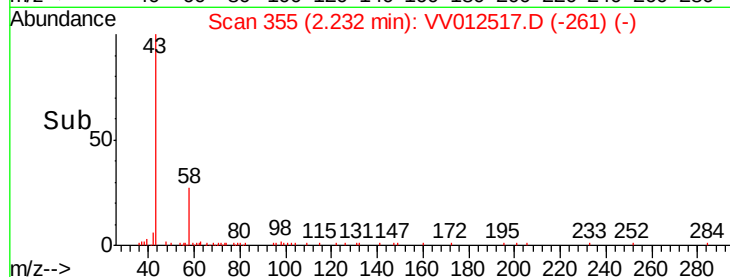
10000

5000

0

2.10 2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 1.814 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012517.D

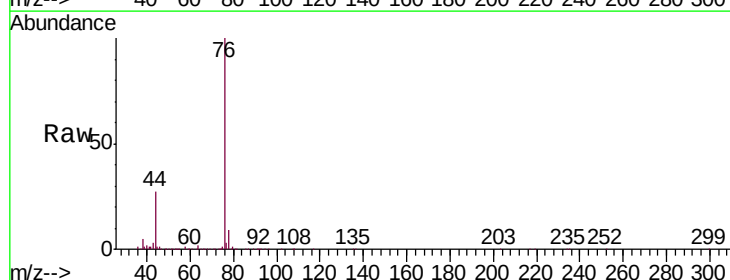
Acq: 02 Sep 2019 09:46

Tgt Ion: 76 Resp: 81341

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV012518.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012518.D (-369) (-)

60000

50000

40000

30000

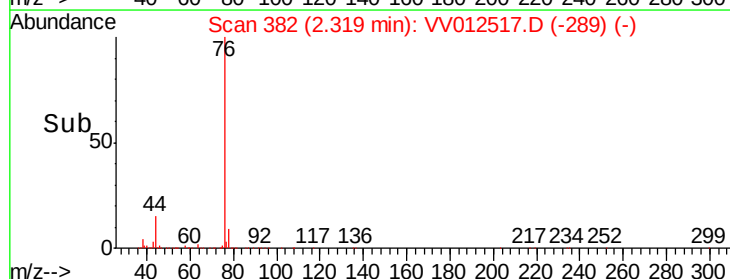
20000

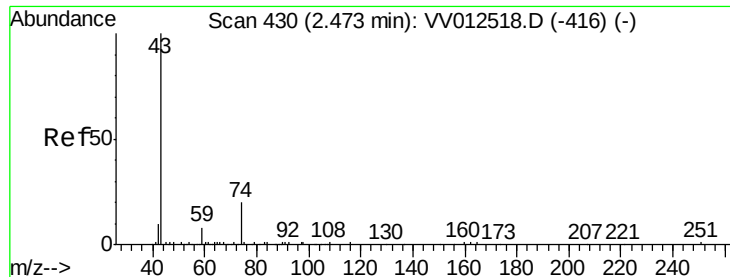
10000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methyl Acetate

Concen: 1.896 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

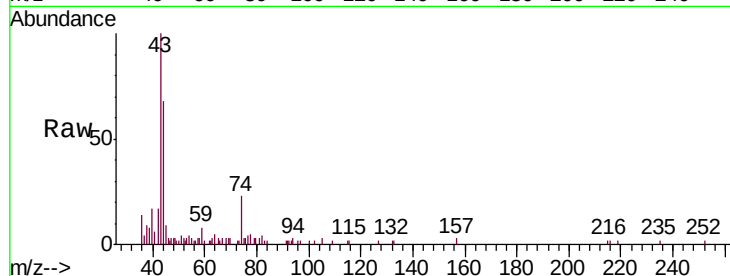
VSTD00131

Tgt Ion: 43 Resp: 12548

Ion Ratio Lower Upper

43 100

74 24.6 17.3 25.9



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

6000

5000

4000

3000

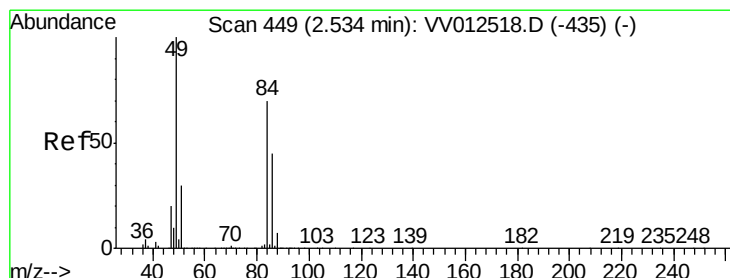
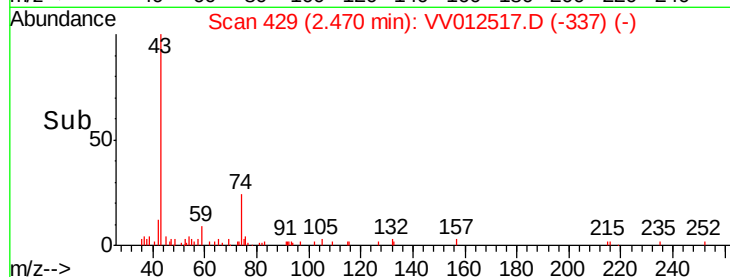
2000

1000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 1.715 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

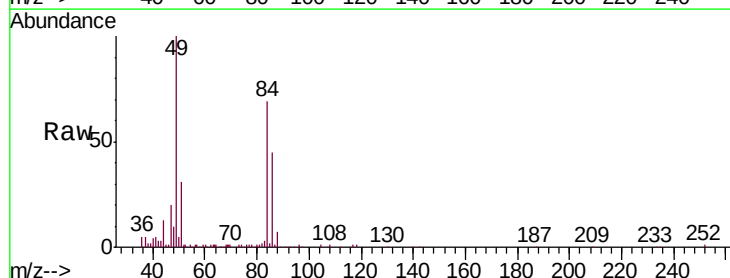
Tgt Ion: 84 Resp: 28749

Ion Ratio Lower Upper

84 100

86 65.1 45.2 84.0

49 145.4 100.4 186.4



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

30000

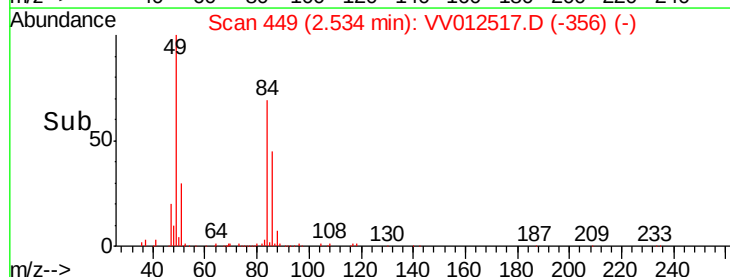
20000

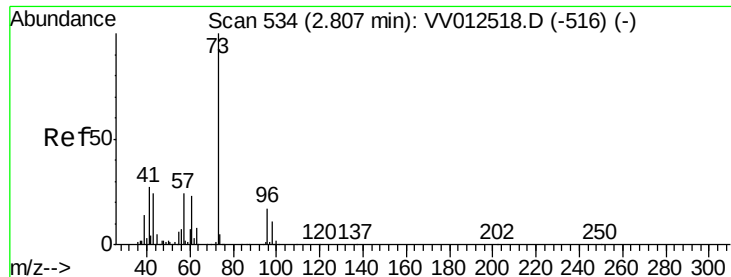
10000

0

Time-->

2.50 2.55 2.60

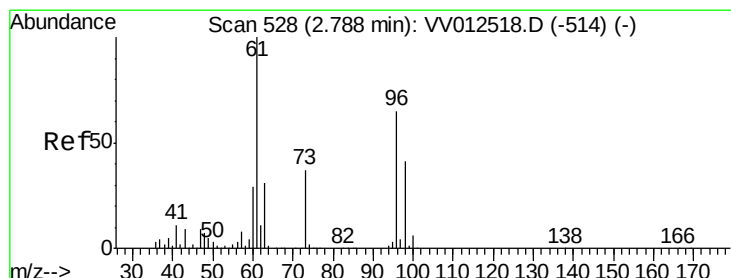
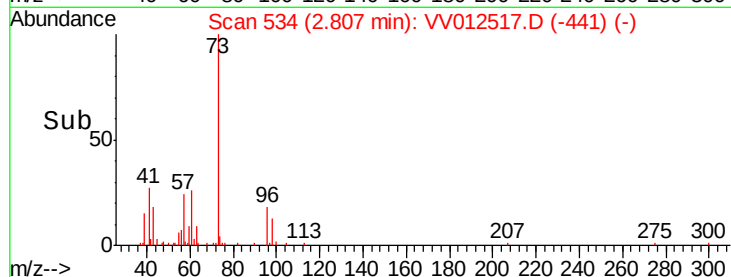
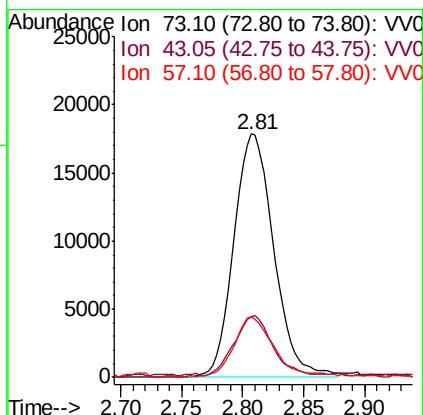
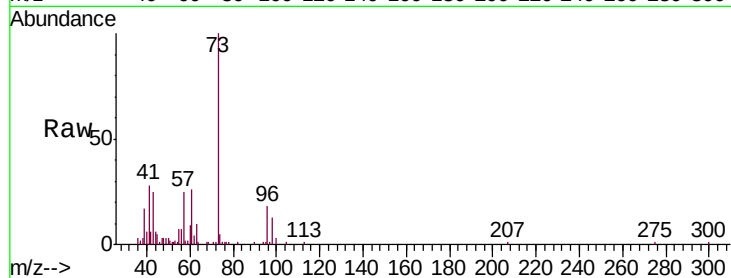




#17
Methyl tert-butyl Ether
Concen: 1.154 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012517.D
Acq: 02 Sep 2019 09:46

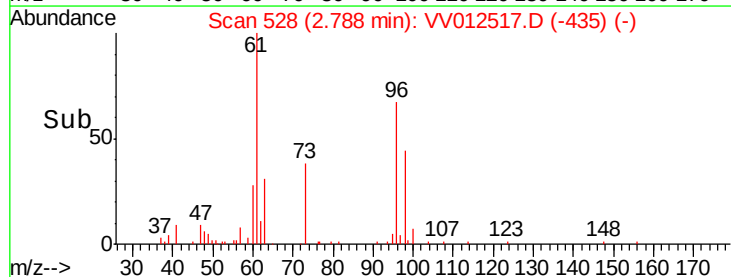
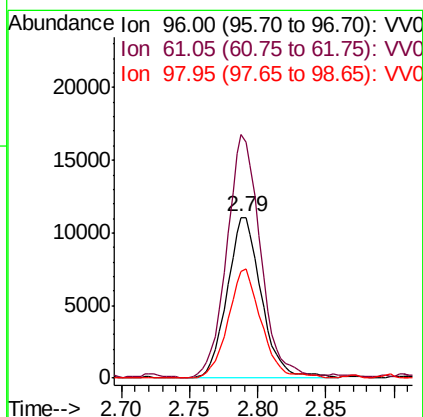
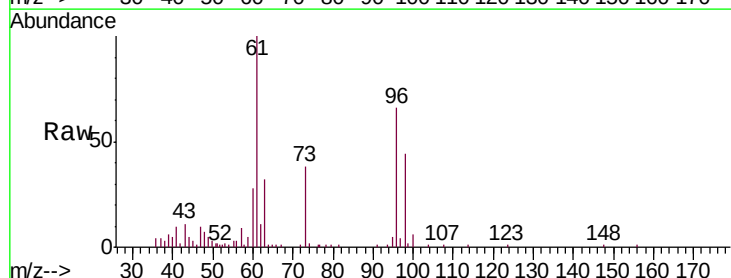
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

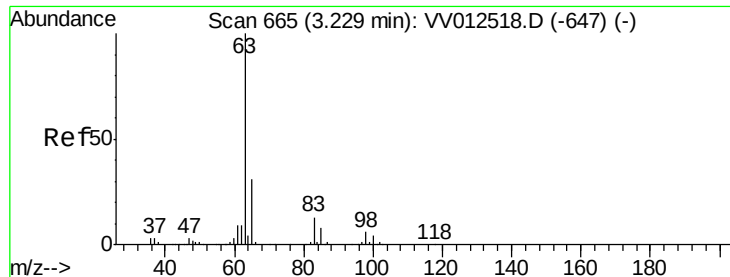
Tgt Ion:	73	Resp:	40597
Ion	Ratio	Lower	Upper
73	100		
43	23.0	18.9	28.3
57	24.2	18.3	27.5



#18
trans-1,2-Dichloroethene
Concen: 1.177 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV012517.D
Acq: 02 Sep 2019 09:46

Tgt Ion:	96	Resp:	19305
Ion	Ratio	Lower	Upper
96	100		
61	151.2	107.6	199.8
98	66.6	44.4	82.4

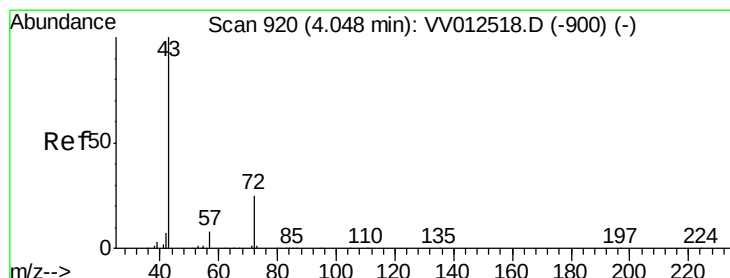
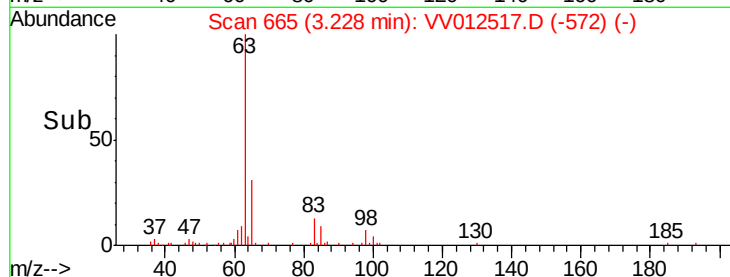
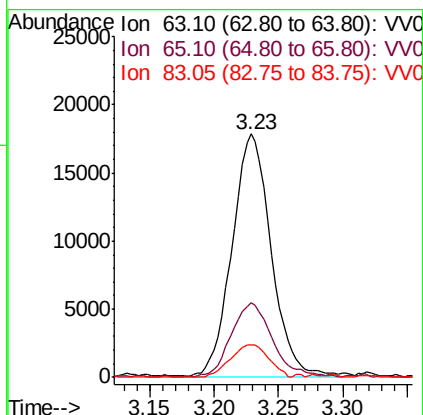
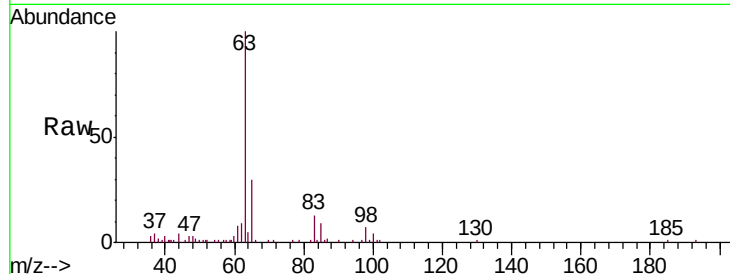




#19
 1,1-Dichloroethane
 Concen: 1.184 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

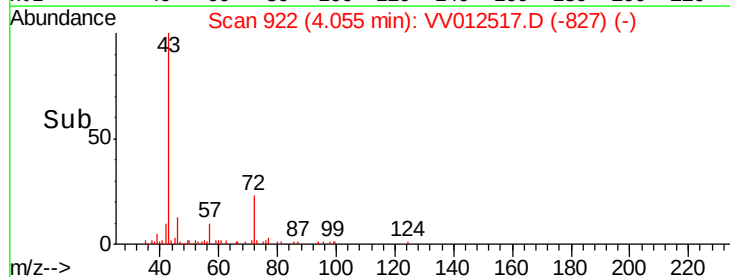
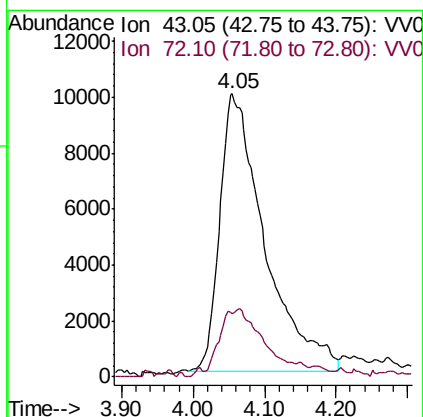
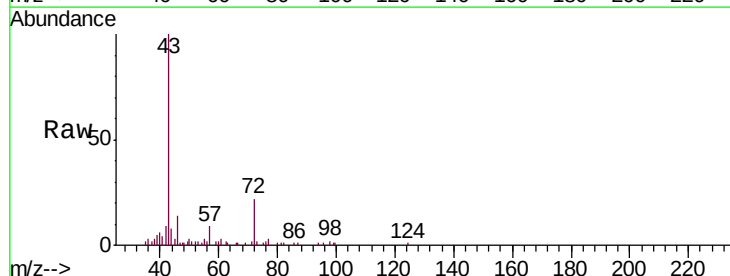
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

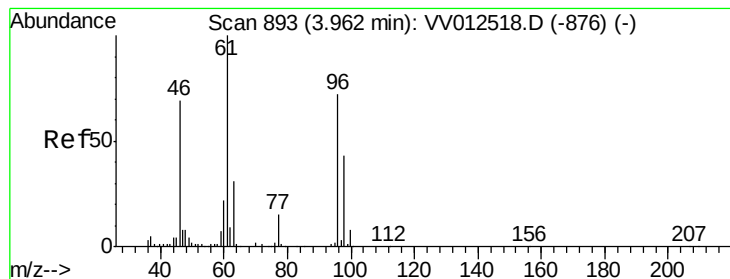
Tgt Ion: 63 Resp: 37874
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.5 39.9
 83 13.4 9.1 16.9



#21
 2-Butanone
 Concen: 10.586 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

Tgt Ion: 43 Resp: 43296
 Ion Ratio Lower Upper
 43 100
 72 6.5 11.4 34.1#





#22

cis-1,2-Dichloroethene

Concen: 1.174 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampled :

VSTD00131

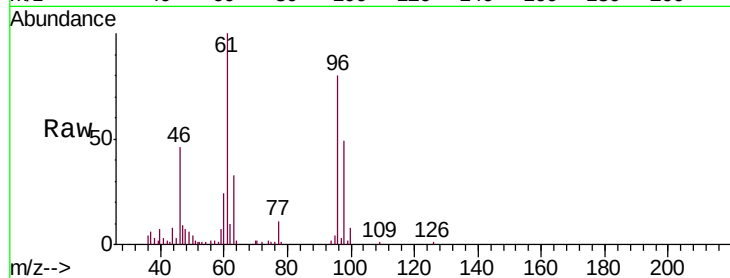
Tgt Ion: 96 Resp: 19979

Ion Ratio Lower Upper

96 100

61 124.6 97.5 181.1

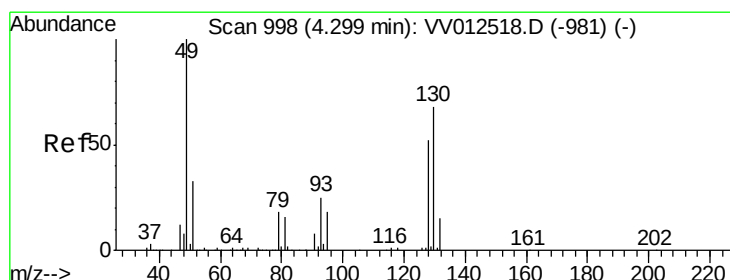
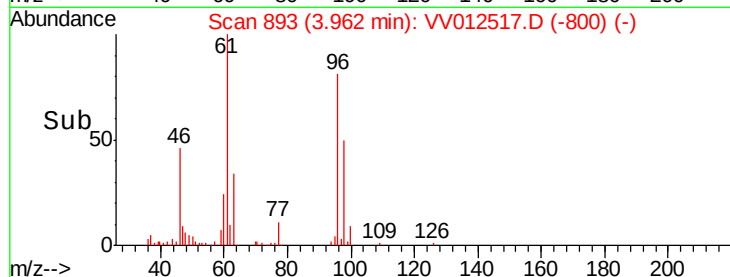
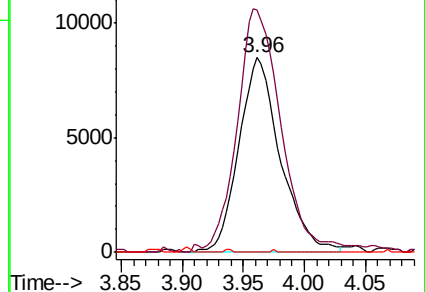
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012517.D (-800) (-)

Ion 61.05 (60.75 to 61.75): VV012517.D (-800) (-)

Ion 68.15 (67.85 to 68.85): VV012517.D (-800) (-)



#23

Bromochloromethane

Concen: 1.113 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Tgt Ion: 128 Resp: 8116

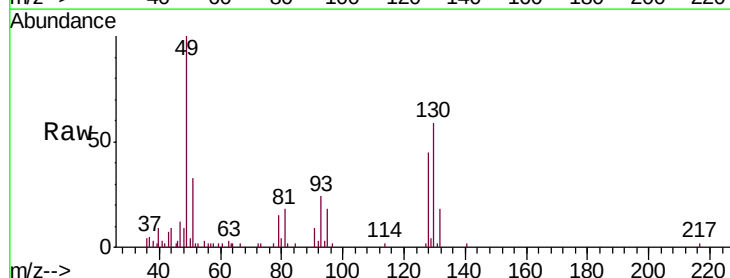
Ion Ratio Lower Upper

128 100

49 220.8 136.5 253.5

130 131.0 92.1 171.1

51 73.0 52.5 78.7

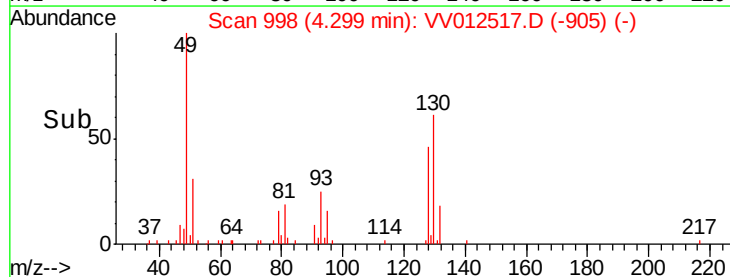
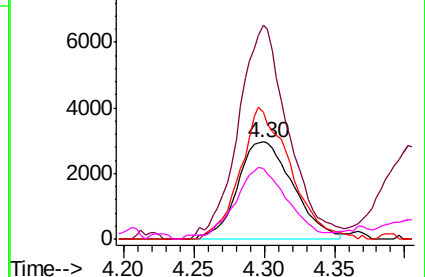


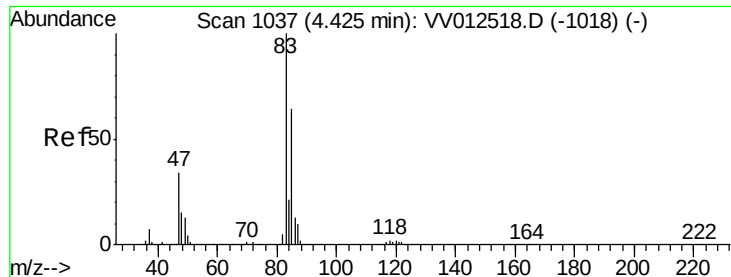
Abundance Ion 127.90 (127.60 to 128.60): VV012517.D (-905) (-)

Ion 49.10 (48.80 to 49.80): VV012517.D (-905) (-)

Ion 129.95 (129.65 to 130.65): VV012517.D (-905) (-)

Ion 51.05 (50.75 to 51.75): VV012517.D (-905) (-)

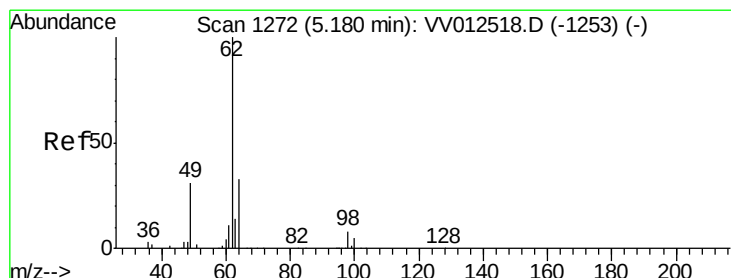
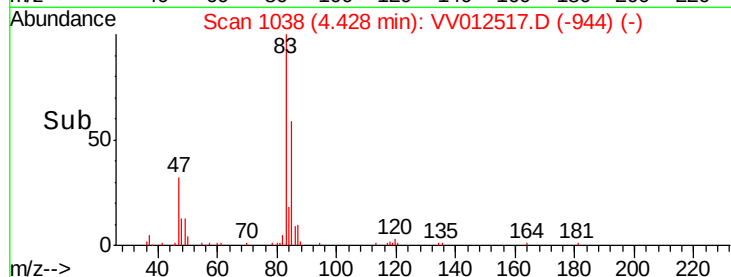
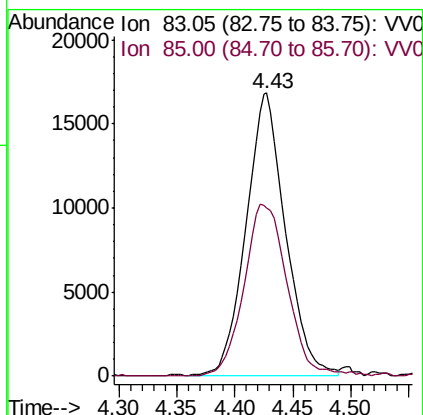
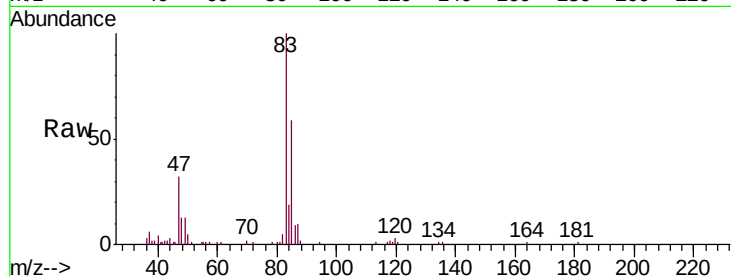




#25
Chloroform
Concen: 1.194 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012517.D
Acq: 02 Sep 2019 09:46

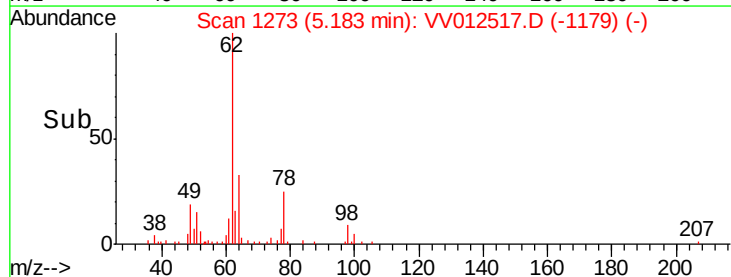
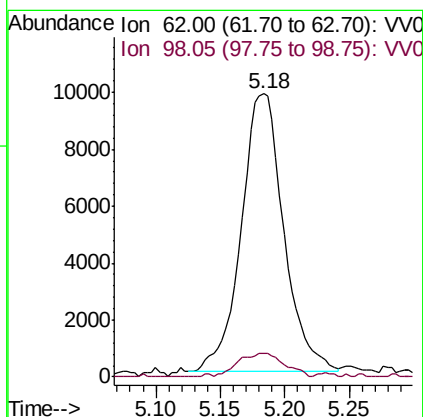
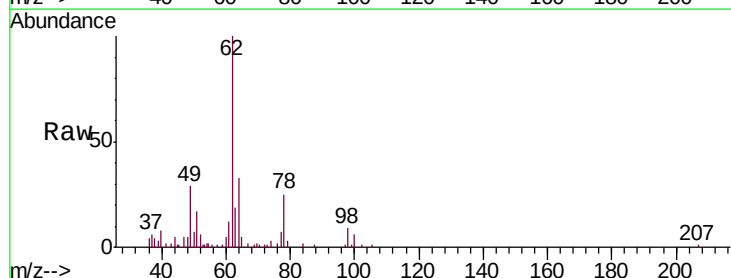
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

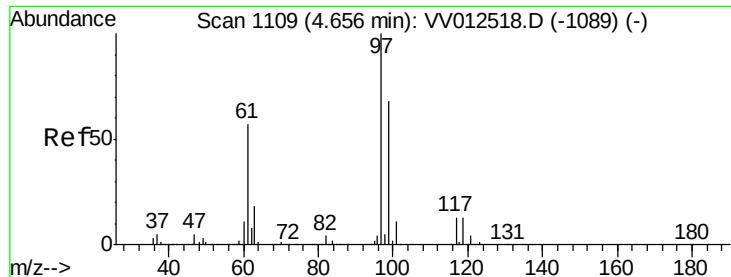
Tgt Ion: 83 Resp: 39979
Ion Ratio Lower Upper
83 100
85 59.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 1.169 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012517.D
Acq: 02 Sep 2019 09:46

Tgt Ion: 62 Resp: 22284
Ion Ratio Lower Upper
62 100
98 8.5 6.7 10.1

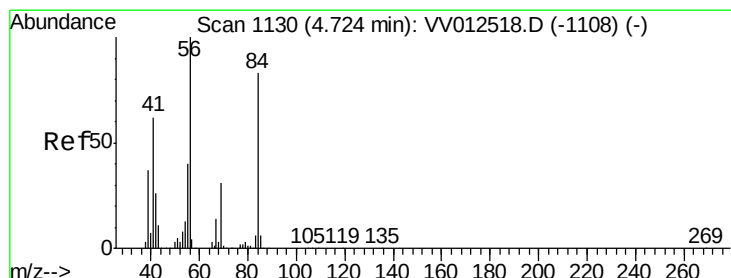
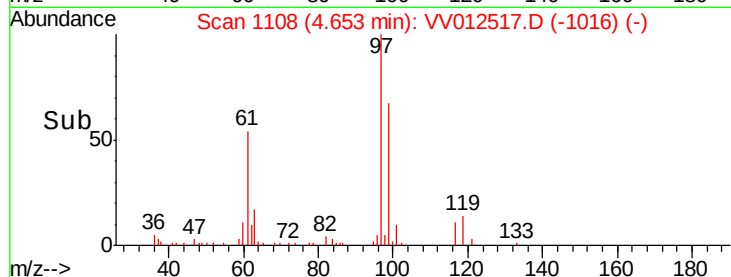
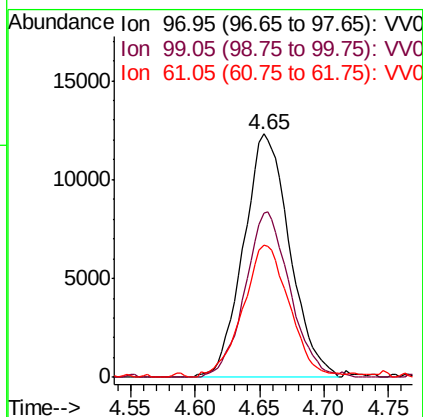
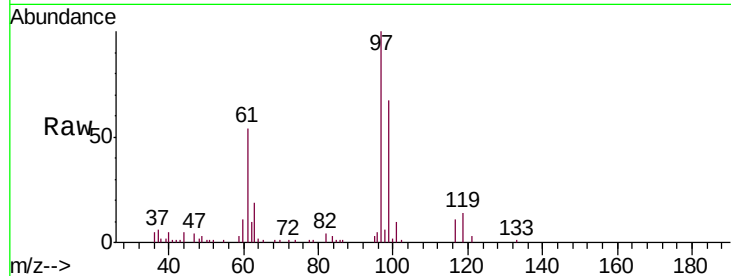




#29
 1,1,1-Trichloroethane
 Concen: 1.176 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

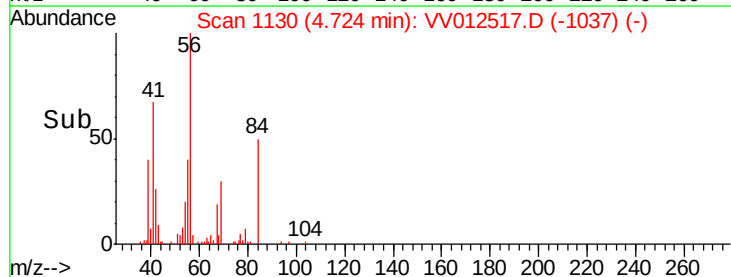
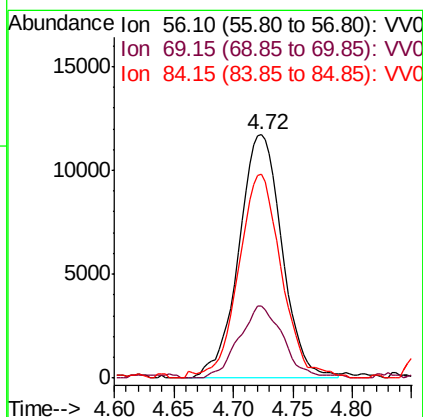
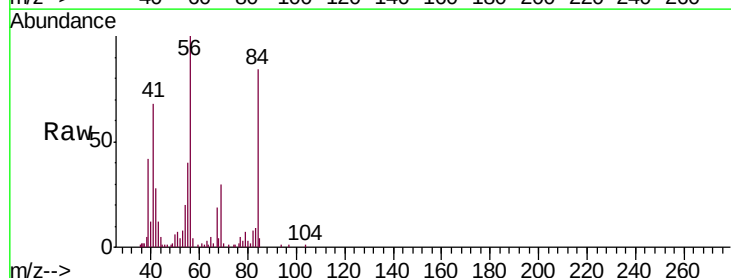
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

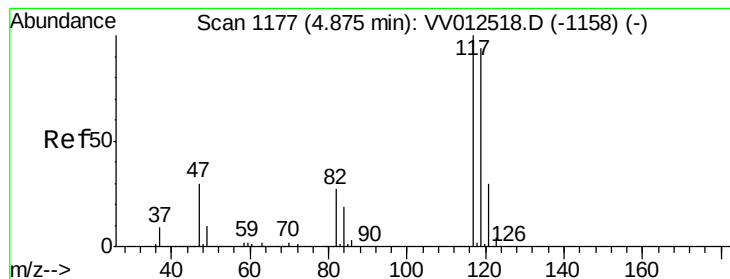
Tgt Ion: 97 Resp: 30675
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.6 79.0
 61 54.9 43.4 65.2



#30
 Cyclohexane
 Concen: 1.110 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

Tgt Ion: 56 Resp: 29491
 Ion Ratio Lower Upper
 56 100
 69 29.9 23.5 35.3
 84 82.7 67.1 100.7





#31

Carbon tetrachloride

Concen: 1.173 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

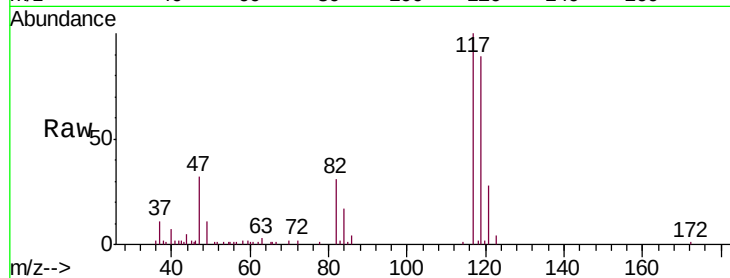
VSTD00131

Tgt Ion:117 Resp: 26912

Ion Ratio Lower Upper

117 100

119 94.3 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

12000

10000

8000

6000

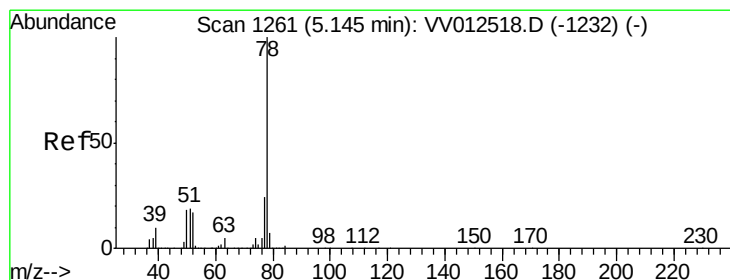
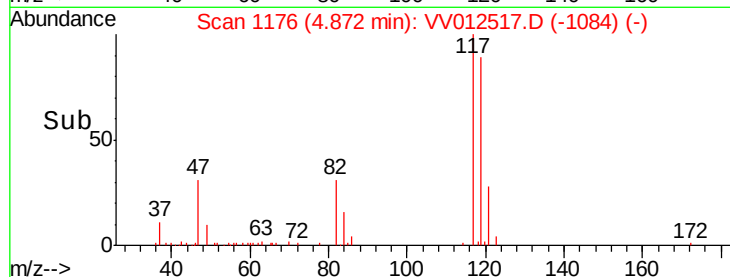
4000

2000

0

Time-->

4.80 4.85 4.90 4.95



#33

Benzene

Concen: 1.098 ug/L

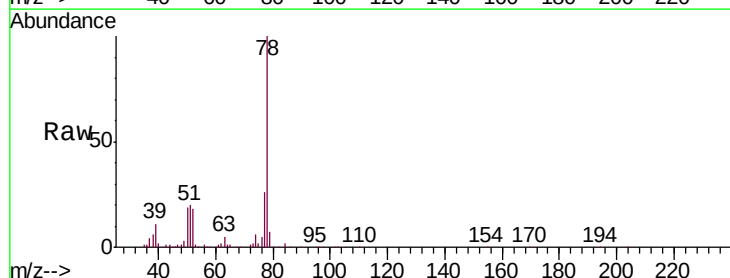
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Tgt Ion: 78 Resp: 73639



Abundance Ion 78.10 (77.80 to 78.80): VV0

40000

30000

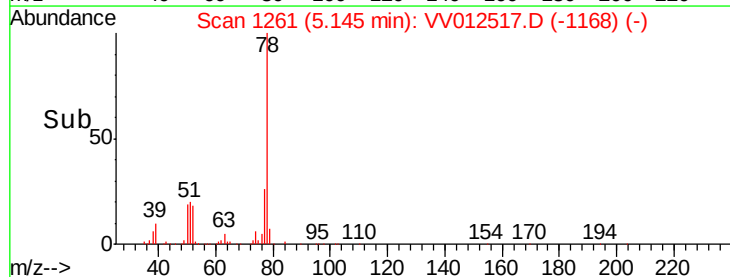
20000

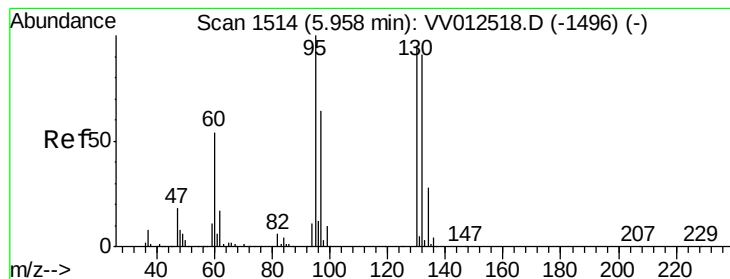
10000

0

Time-->

5.10 5.20





#34

Trichloroethene

Concen: 1.225 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

Tgt Ion: 95 Resp: 21034

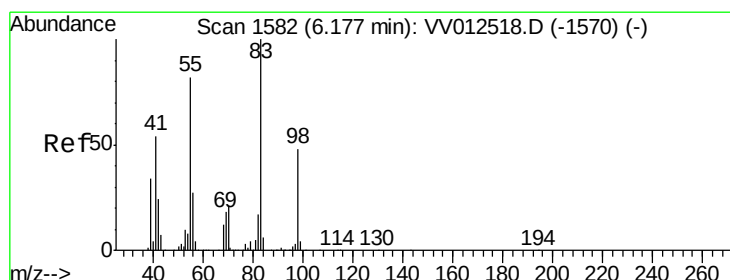
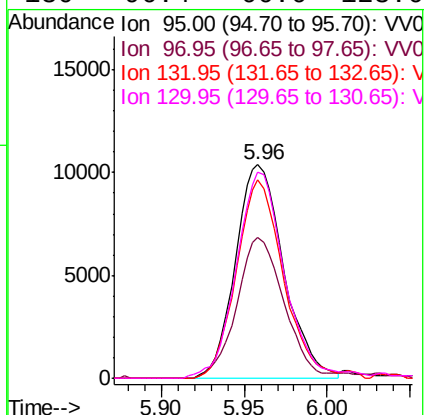
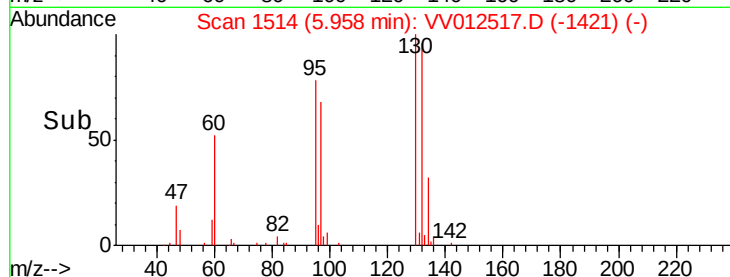
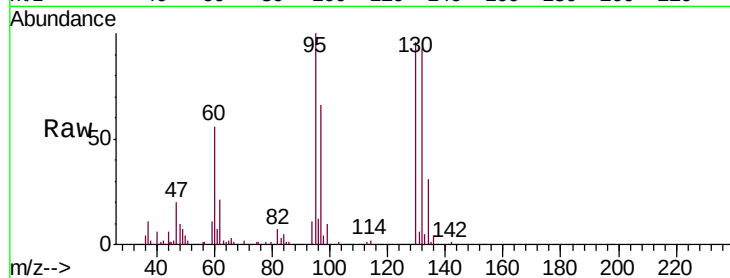
Ion Ratio Lower Upper

95 100

97 65.7 44.7 83.1

132 92.7 63.8 118.4

130 96.4 66.6 123.6



#35

Methylcyclohexane

Concen: 1.134 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

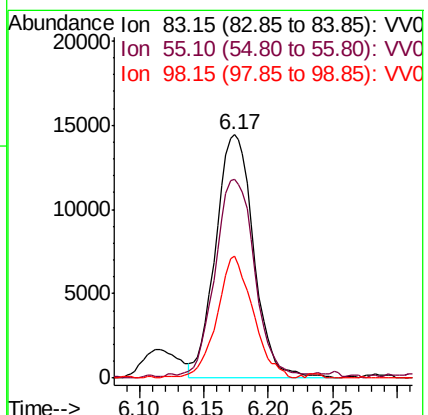
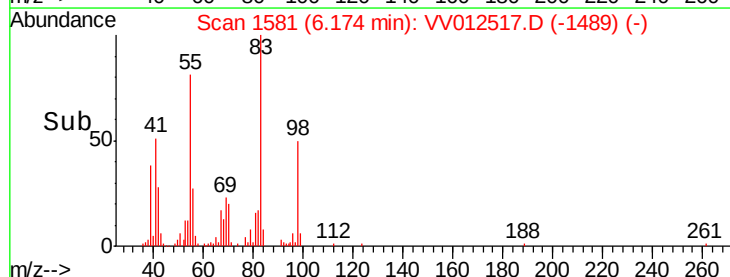
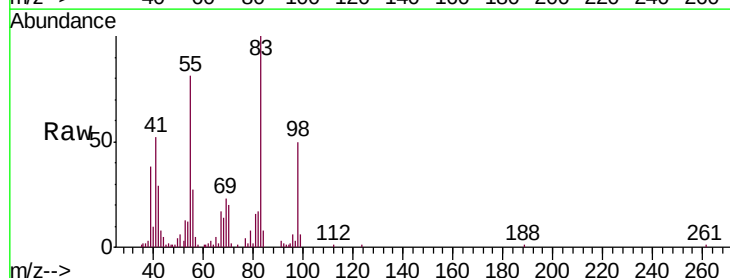
Tgt Ion: 83 Resp: 29605

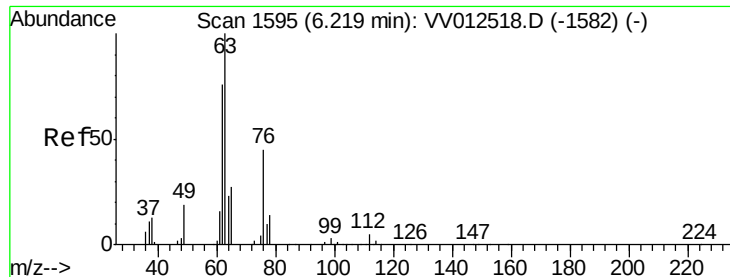
Ion Ratio Lower Upper

83 100

55 82.0 67.3 100.9

98 47.1 37.4 56.2

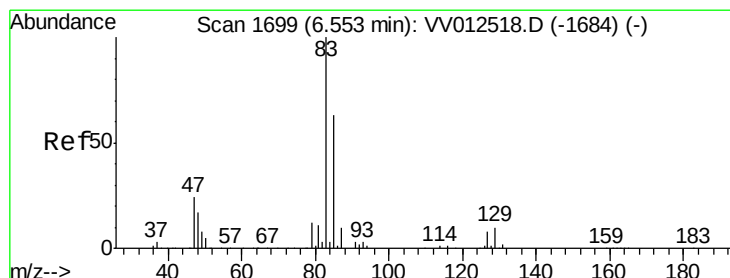
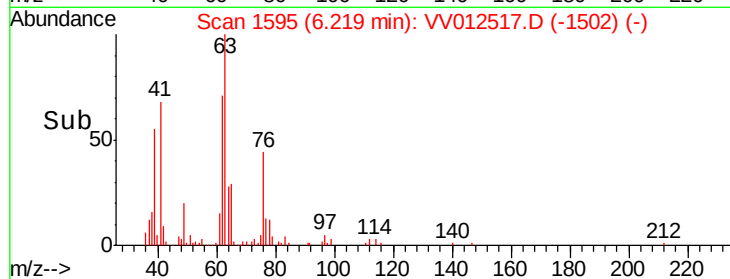
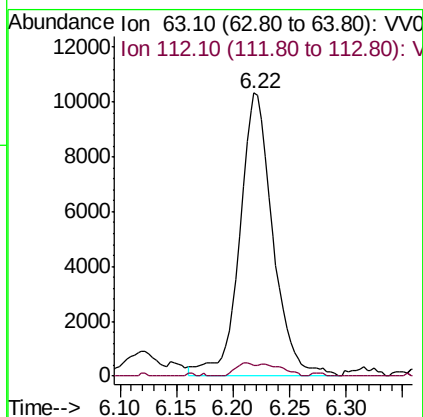
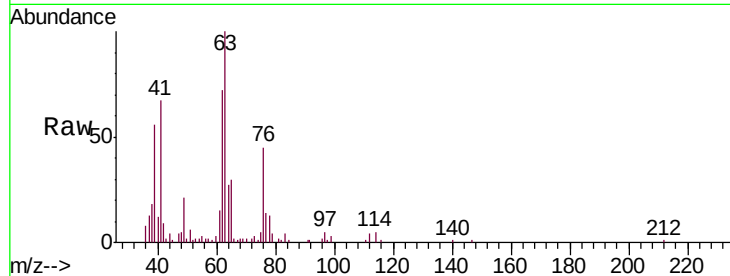




#37
 1,2-Dichloropropane
 Concen: 1.215 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

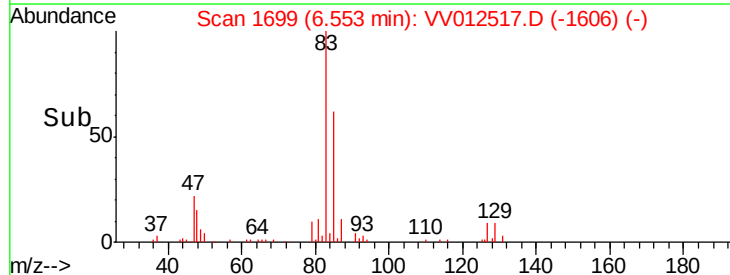
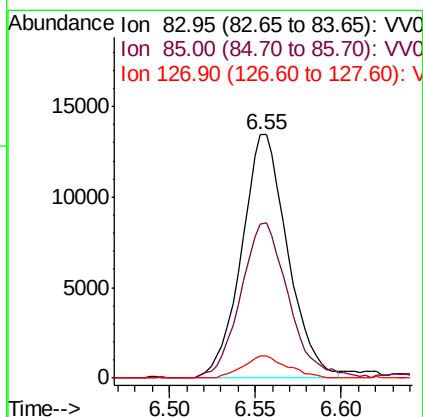
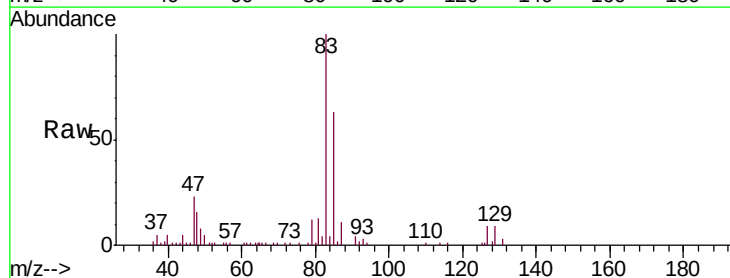
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

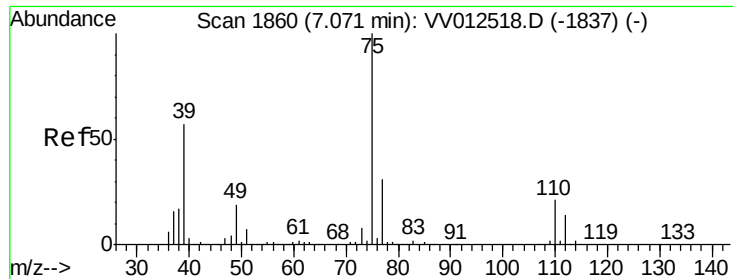
Tgt Ion: 63 Resp: 21091
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 1.145 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

Tgt Ion: 83 Resp: 24986
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.2 82.0
 127 9.1 6.2 9.2

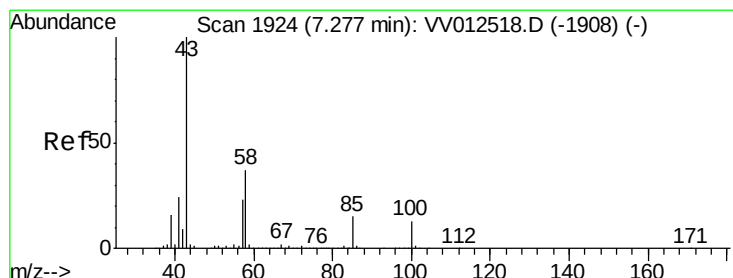
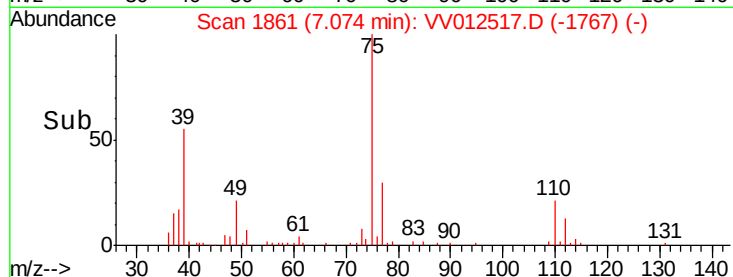
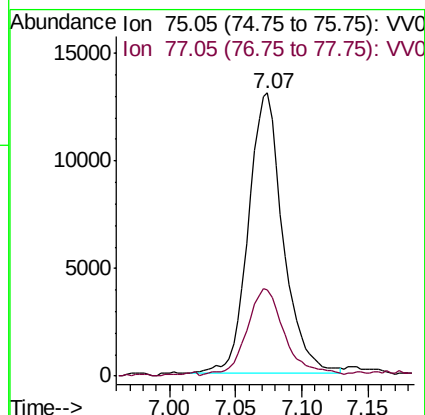
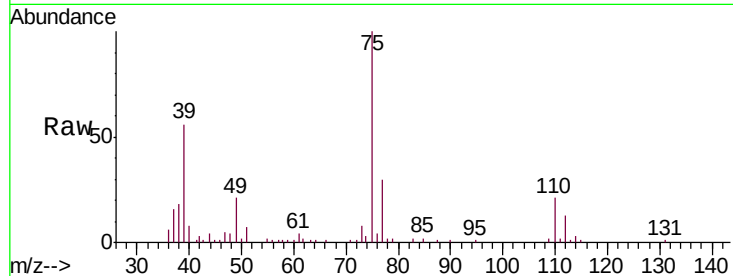




#39
 cis-1,3-Dichloropropene
 Concen: 1.040 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

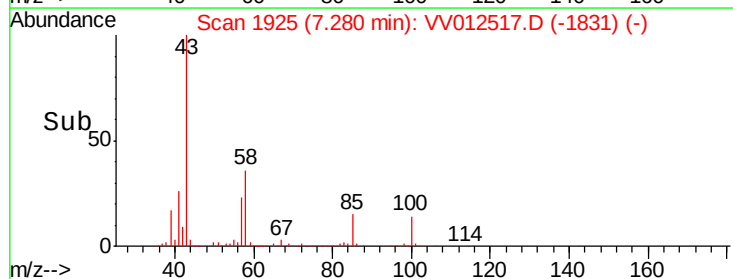
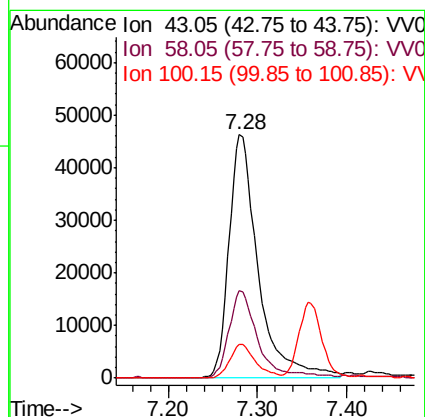
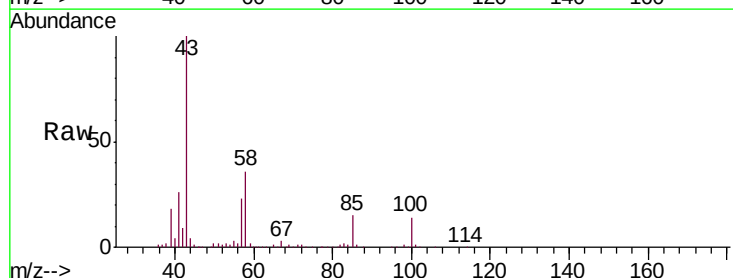
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00131

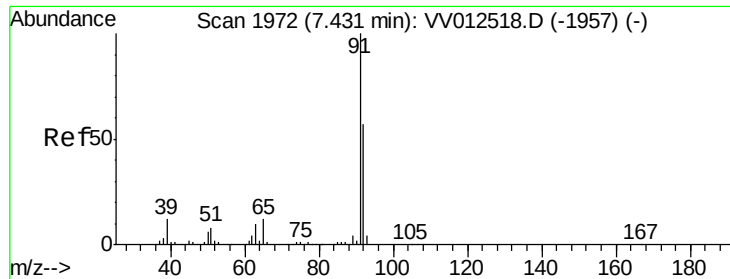
Tgt Ion: 75 Resp: 23544
 Ion Ratio Lower Upper
 75 100
 77 30.3 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 10.567 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

Tgt Ion: 43 Resp: 105786
 Ion Ratio Lower Upper
 43 100
 58 33.0 28.2 42.2
 100 12.3 9.9 14.9





#42

Toluene

Concen: 1.147 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

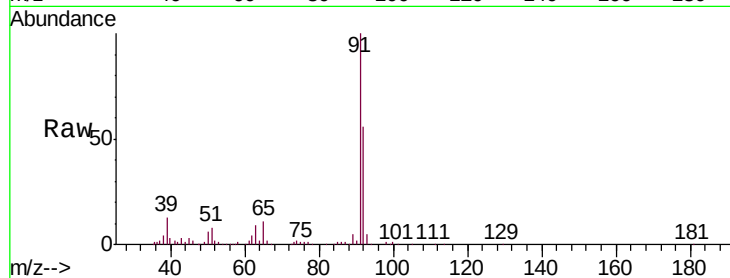
VSTD00131

Tgt Ion: 91 Resp: 78955

Ion Ratio Lower Upper

91 100

92 56.1 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

50000

40000

30000

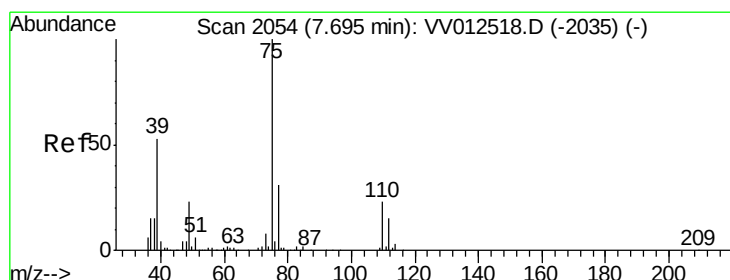
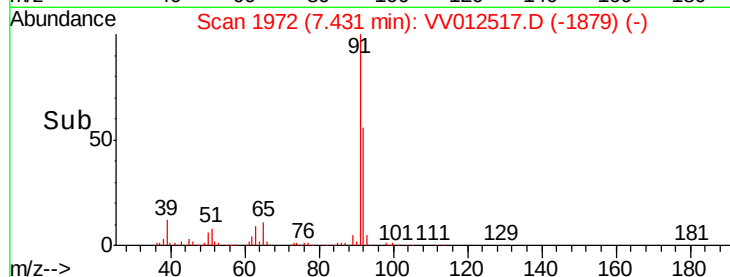
20000

10000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 1.042 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV012517.D

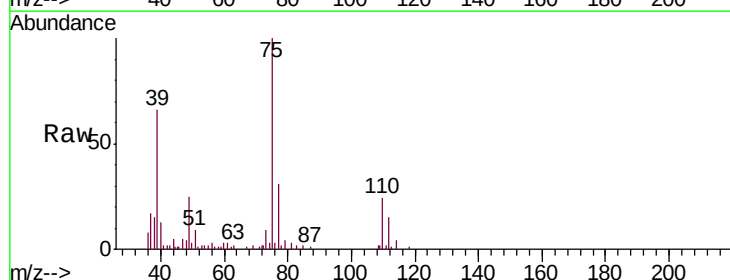
Acq: 02 Sep 2019 09:46

Tgt Ion: 75 Resp: 18401

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

10000

8000

6000

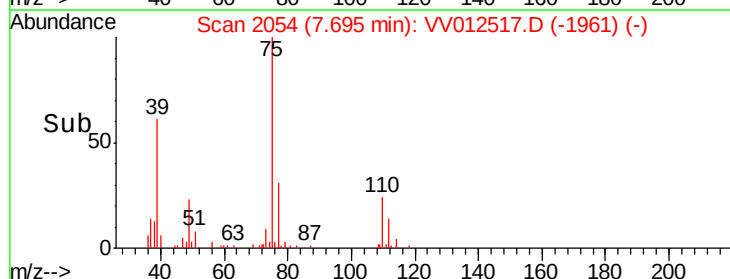
4000

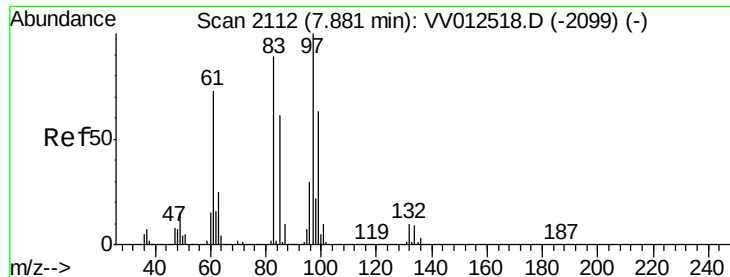
2000

0

Time-->

7.60 7.65 7.70 7.75

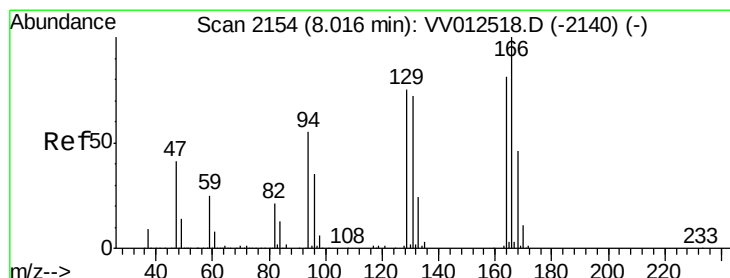
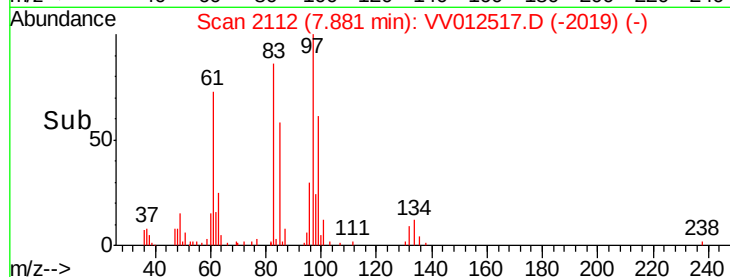
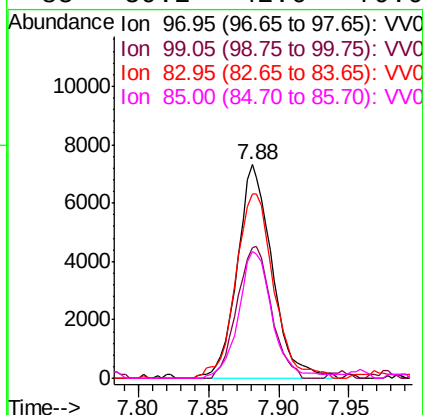
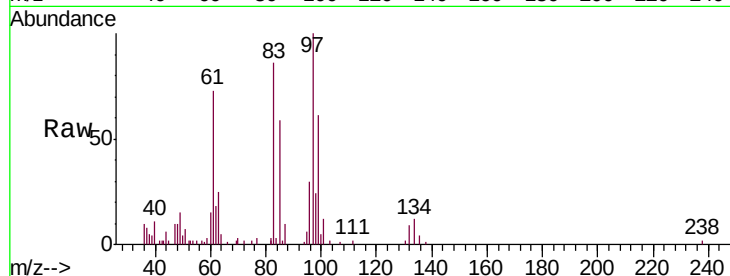




#45
1,1,2-Trichloroethane
Concen: 1.097 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV012517.D
Acq: 02 Sep 2019 09:46

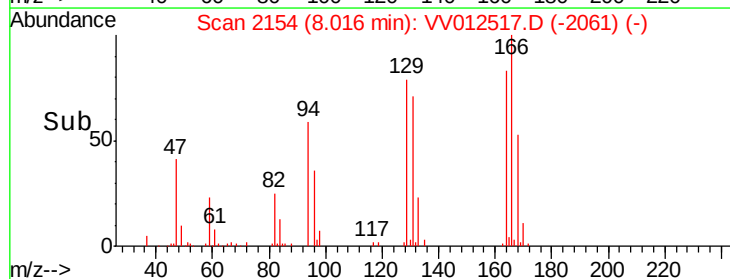
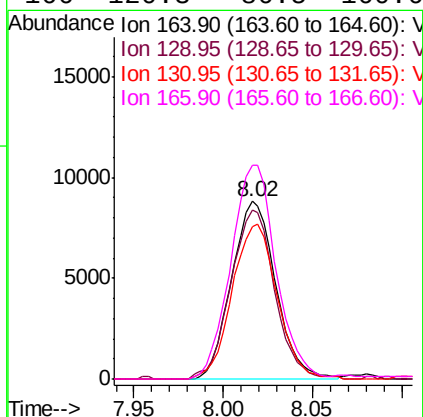
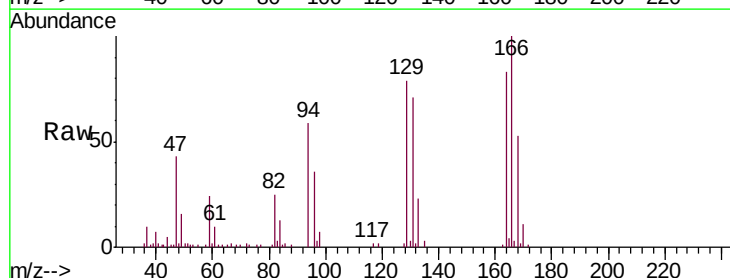
Instrument :
MSVOA_V
ClientSampled :
VSTD00131

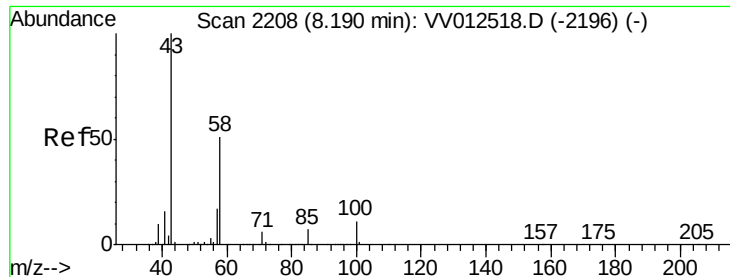
Tgt Ion:	97	Resp:	12715
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.1	81.9
83	86.5	62.7	116.5
85	59.2	42.6	79.0



#47
Tetrachloroethene
Concen: 1.127 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012517.D
Acq: 02 Sep 2019 09:46

Tgt Ion:	164	Resp:	15251
Ion	Ratio	Lower	Upper
164	100		
129	95.3	64.5	119.9
131	85.6	62.3	115.7
166	120.3	86.5	160.6

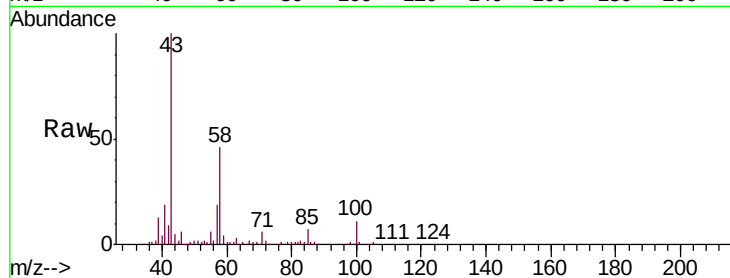




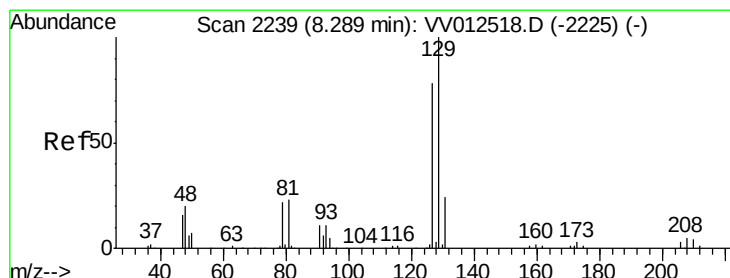
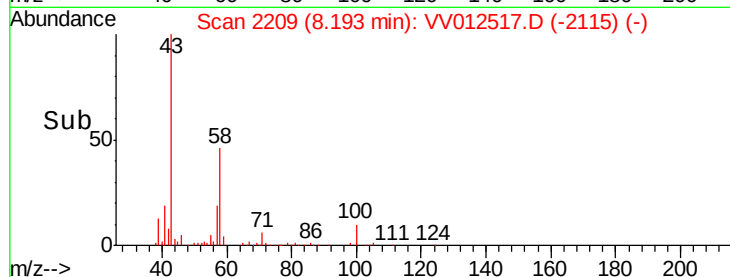
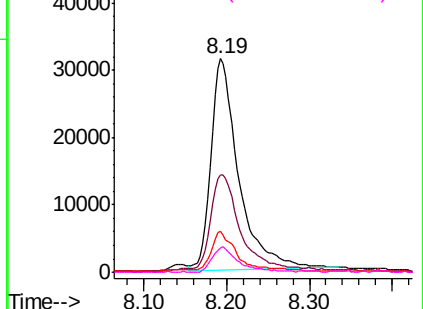
#48
2-Hexanone
Concen: 10.691 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV012517.D
Acq: 02 Sep 2019 09:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

Tgt Ion:	43	Resp:	72956
Ion	Ratio	Lower	Upper
43	100		
58	45.9	40.0	60.0
57	15.0	13.4	20.2
100	11.0	8.2	12.2

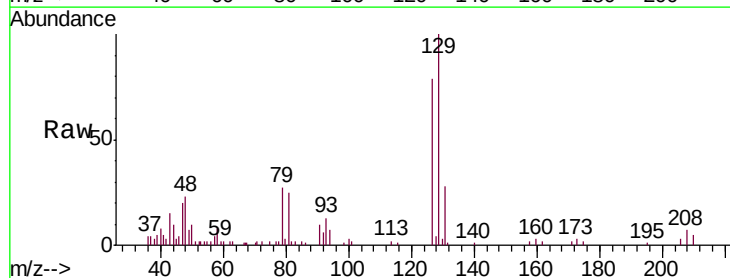


Abundance Ion 43.05 (42.75 to 43.75): VV012517.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV012517.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV012517.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV012517.D (-2115) (-)

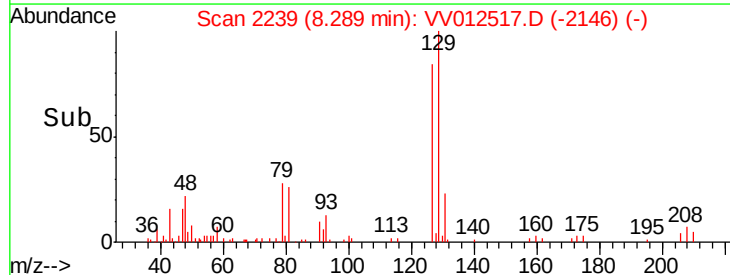
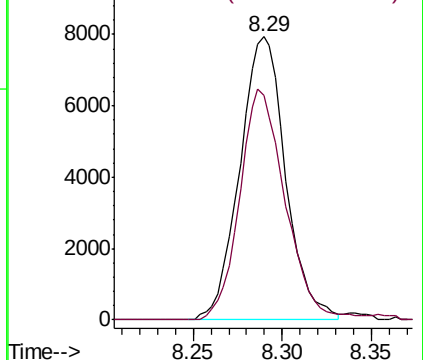


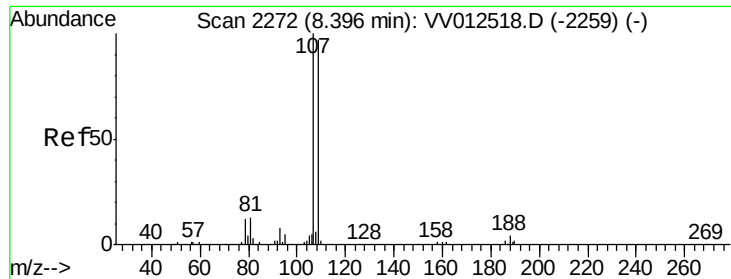
#49
Dibromochloromethane
Concen: 1.080 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012517.D
Acq: 02 Sep 2019 09:46

Tgt Ion:	129	Resp:	14219
Ion	Ratio	Lower	Upper
129	100		
127	79.1	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): VV012517.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012517.D (-2146) (-)





#50

1,2-Dibromoethane

Concen: 1.059 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

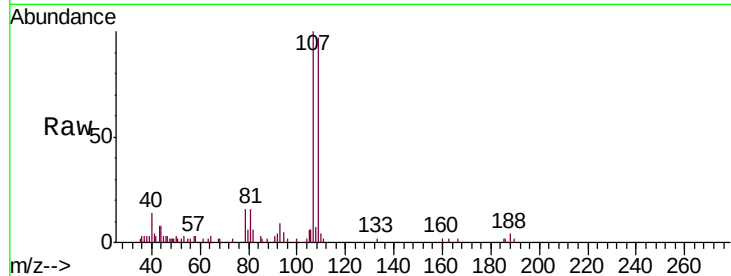
Tgt Ion:107 Resp: 10789

Ion Ratio Lower Upper

107 100

109 97.4 67.8 125.8

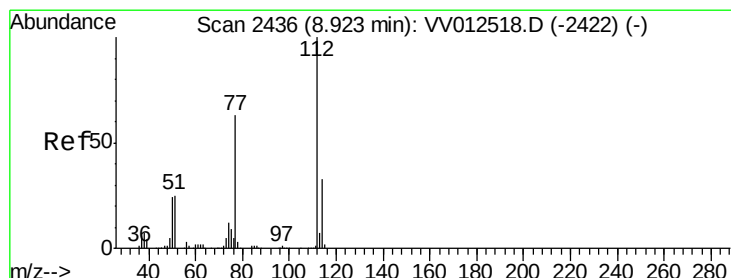
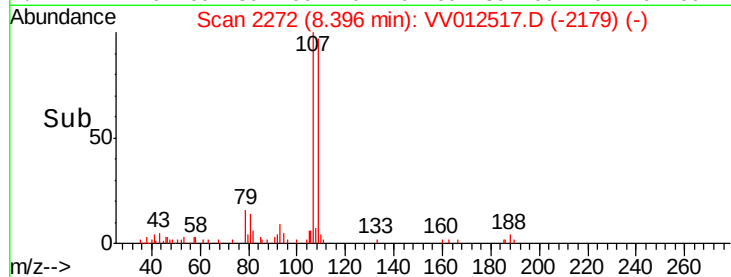
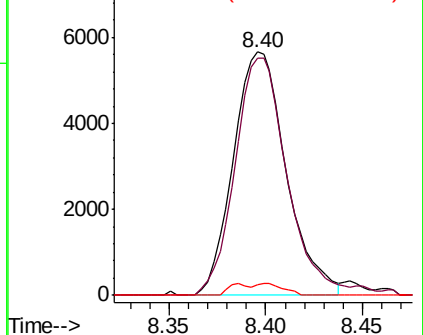
188 4.4 3.2 4.8



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 1.160 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

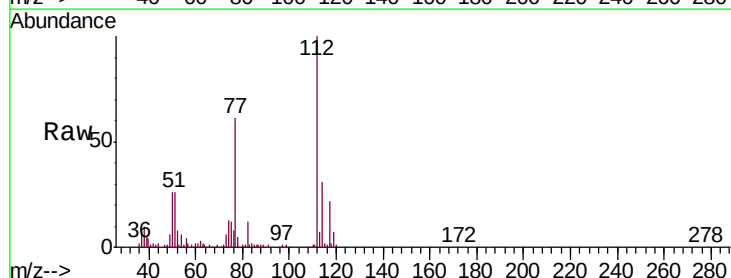
Tgt Ion:112 Resp: 50566

Ion Ratio Lower Upper

112 100

114 31.0 23.0 42.6

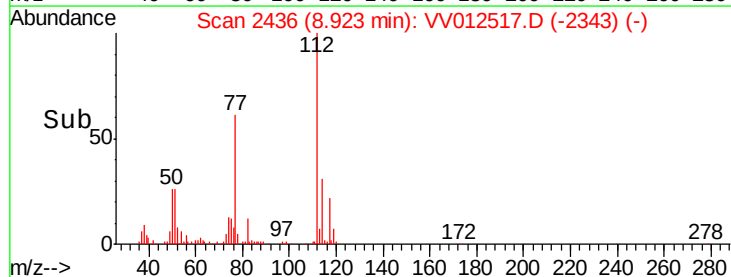
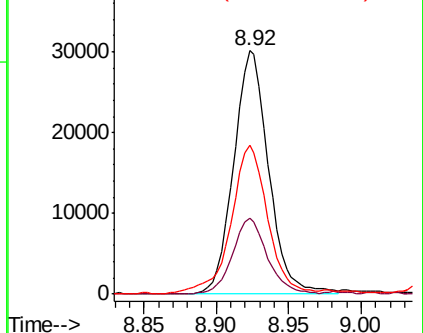
77 61.0 50.4 75.6

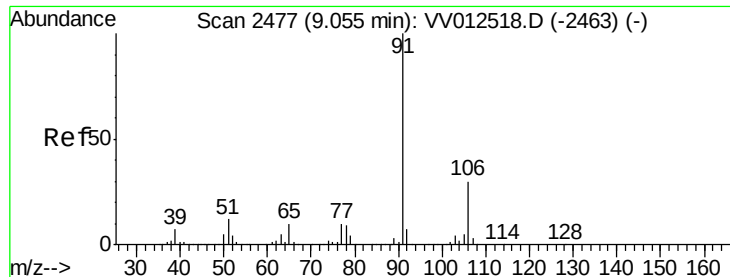


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 1.111 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

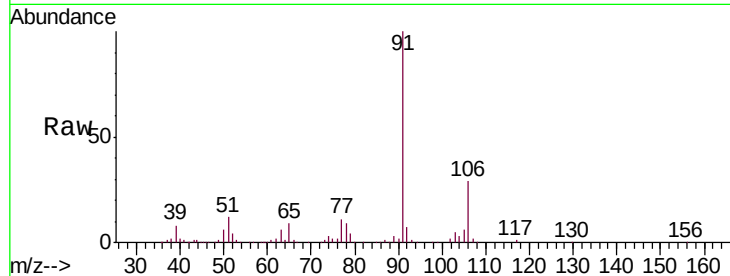
VSTD00131

Tgt Ion: 91 Resp: 81363

Ion Ratio Lower Upper

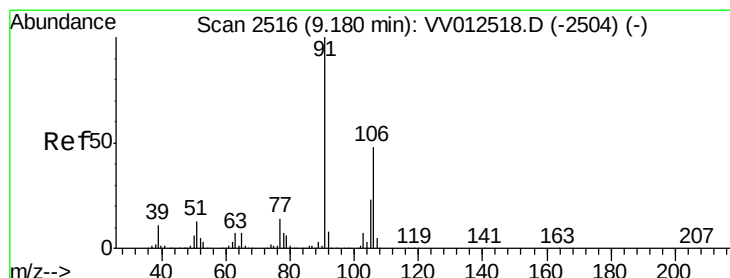
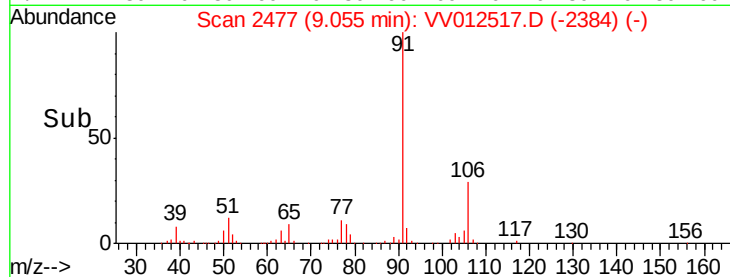
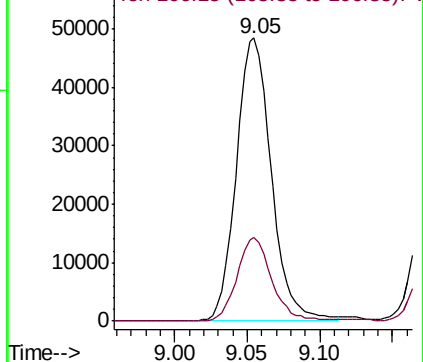
91 100

106 29.4 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 1.094 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012517.D

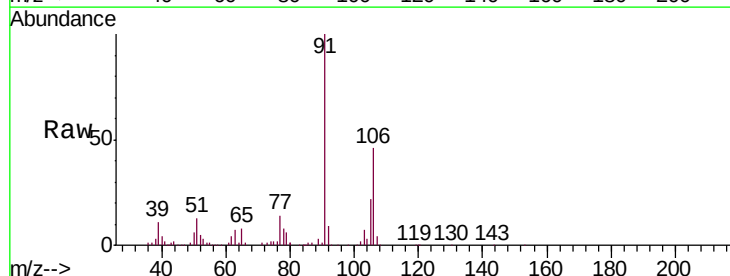
Acq: 02 Sep 2019 09:46

Tgt Ion: 106 Resp: 29042

Ion Ratio Lower Upper

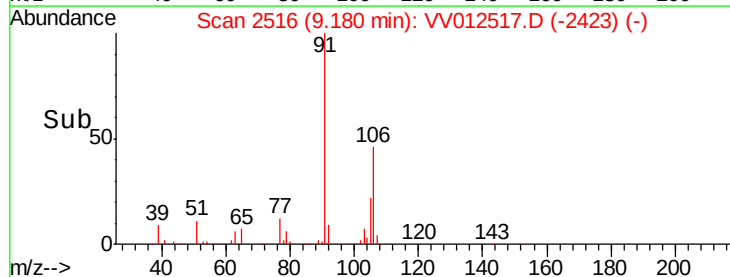
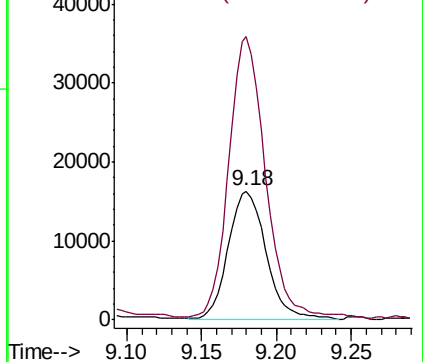
106 100

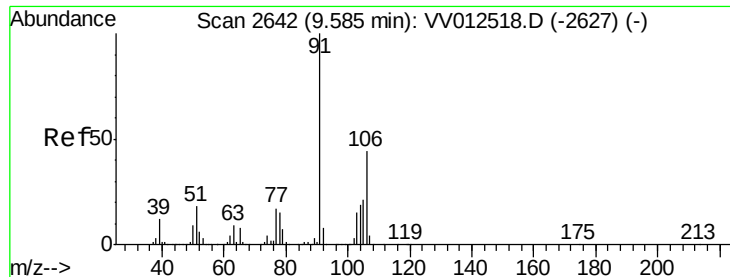
91 219.6 145.8 270.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 1.016 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

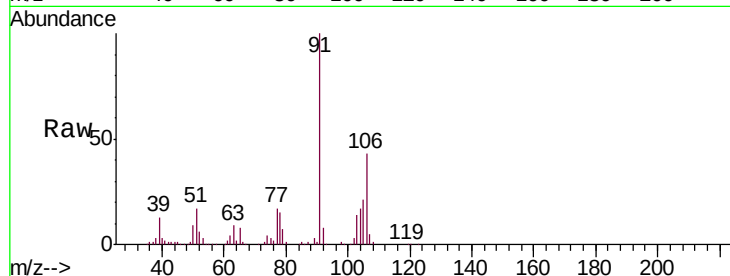
VSTD00131

Tgt Ion:106 Resp: 26436

Ion Ratio Lower Upper

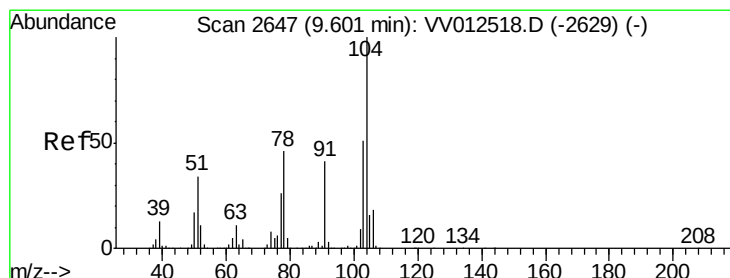
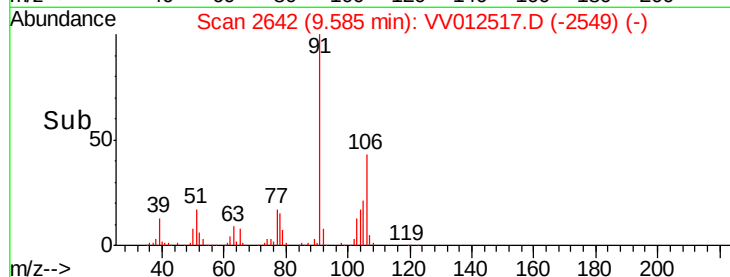
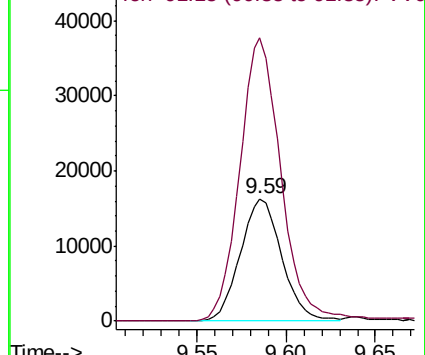
106 100

91 231.7 159.5 296.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 1.026 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012517.D

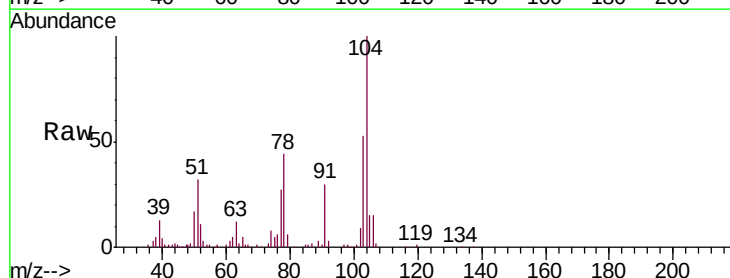
Acq: 02 Sep 2019 09:46

Tgt Ion:104 Resp: 44606

Ion Ratio Lower Upper

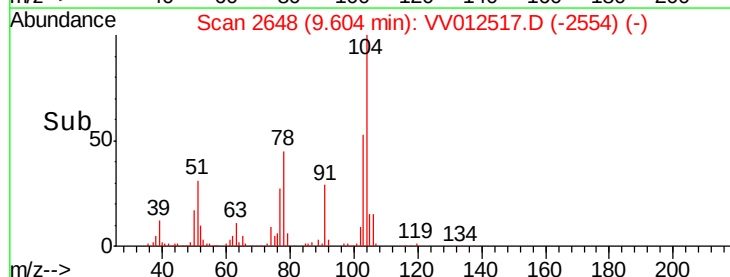
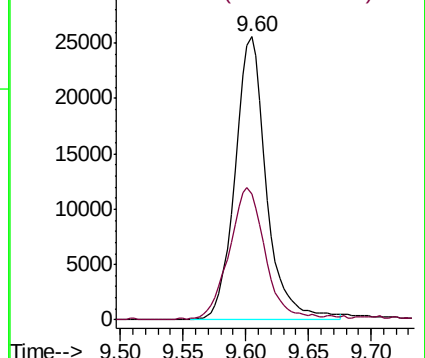
104 100

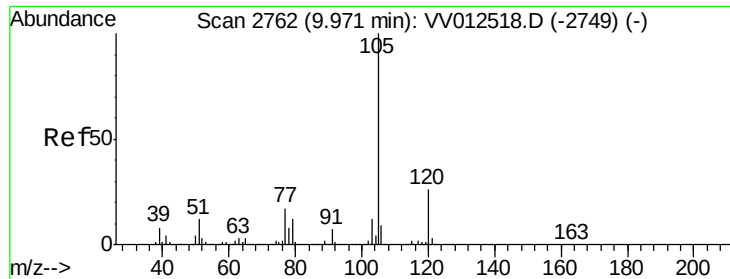
78 44.4 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 1.087 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

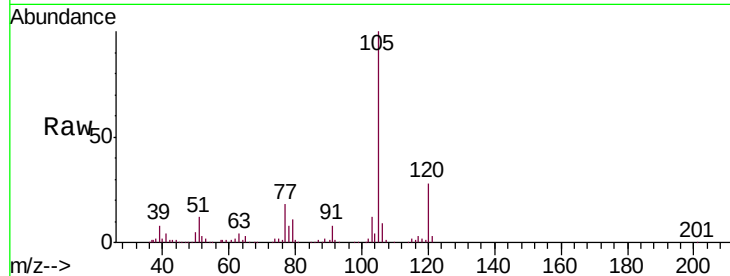
Tgt Ion: 105 Resp: 74930

Ion Ratio Lower Upper

105 100

120 26.6 20.9 31.3

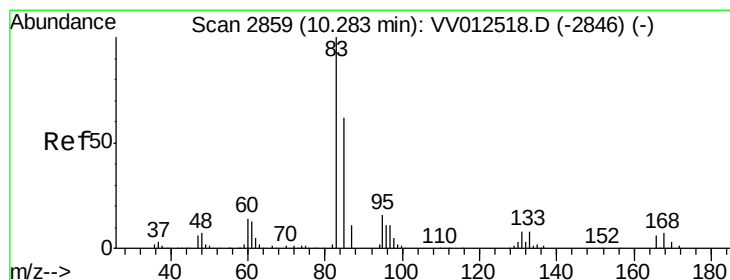
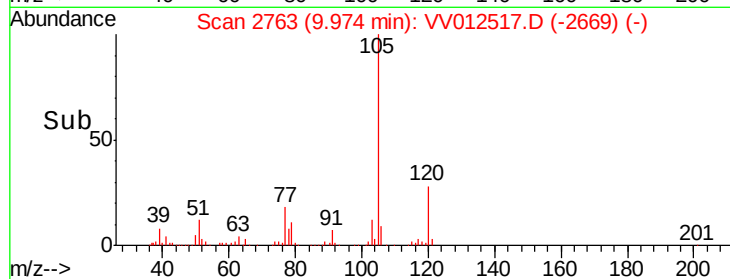
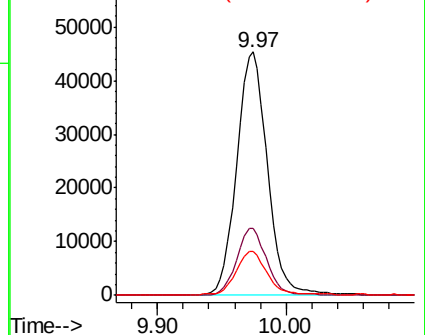
77 18.3 13.5 20.3



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: 0.998 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

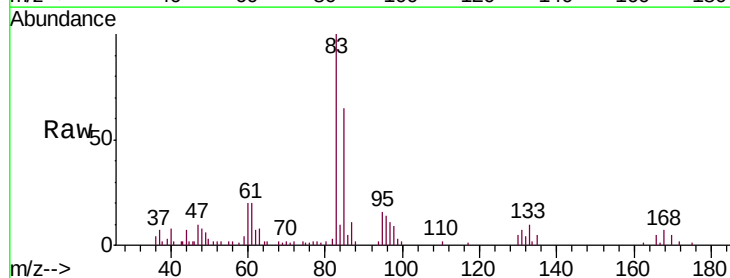
Tgt Ion: 83 Resp: 13469

Ion Ratio Lower Upper

83 100

85 65.2 43.8 81.4

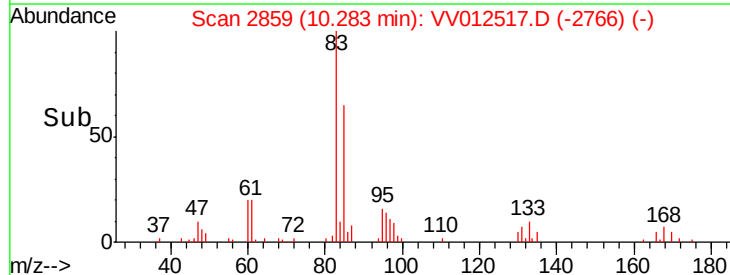
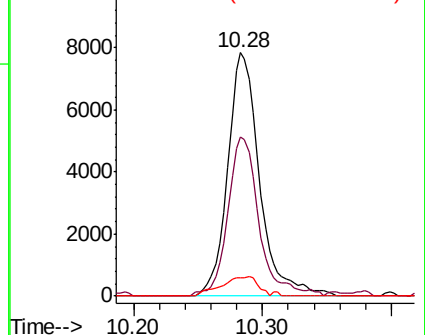
131 7.4 6.6 10.0

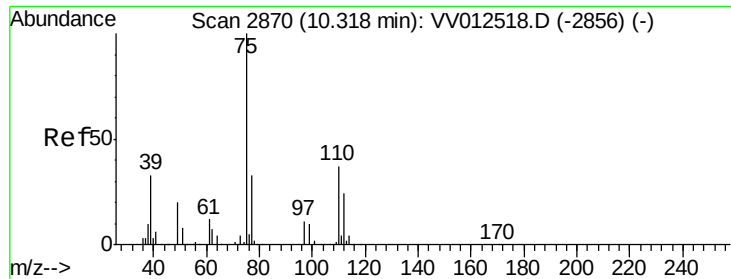


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.165 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

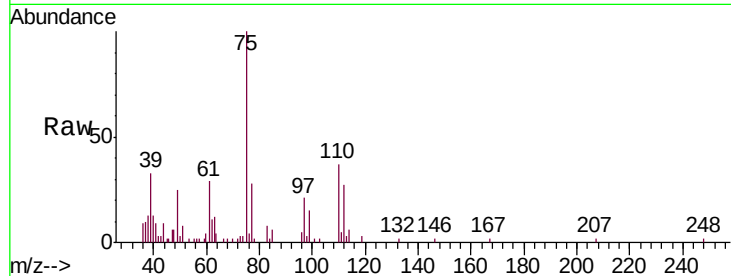
VSTD00131

Tgt Ion: 75 Resp: 11333

Ion Ratio Lower Upper

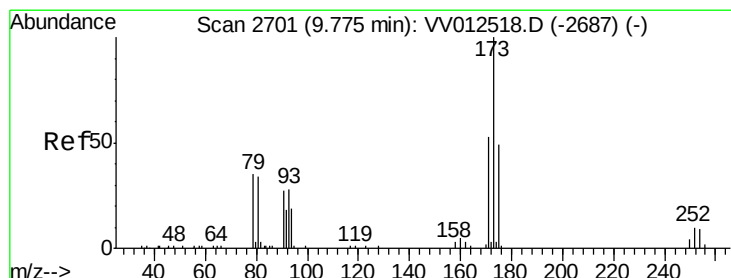
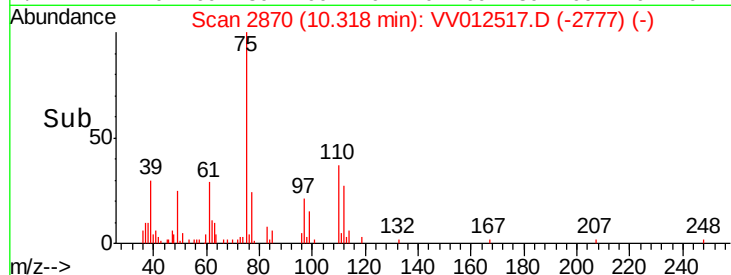
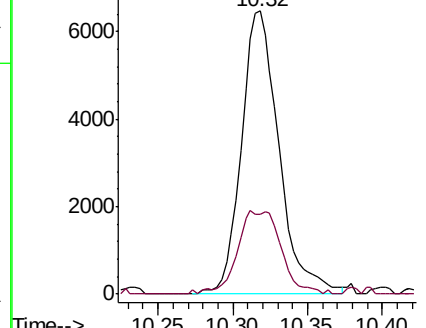
75 100

77 34.2 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VV012518.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV012518.D (-2856) (-)



#61

Bromoform

Concen: 0.991 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

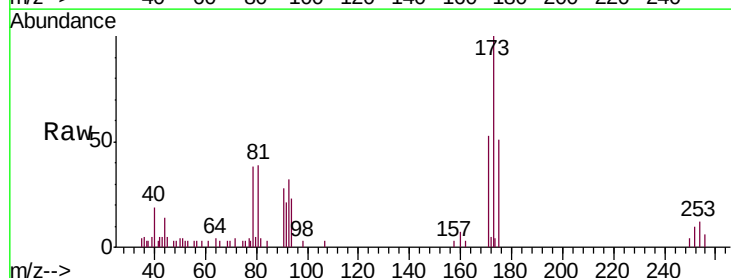
Tgt Ion: 173 Resp: 6823

Ion Ratio Lower Upper

173 100

175 49.1 39.1 58.7

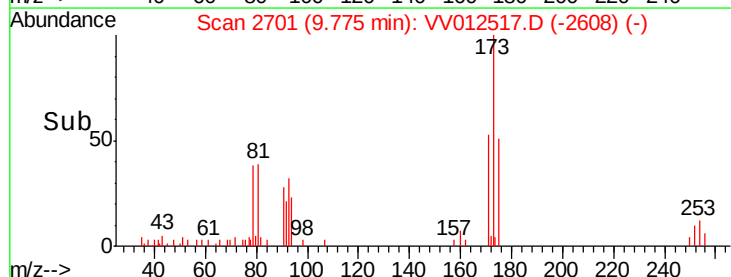
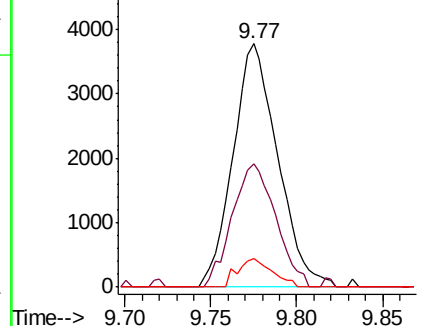
254 9.1 7.4 11.2

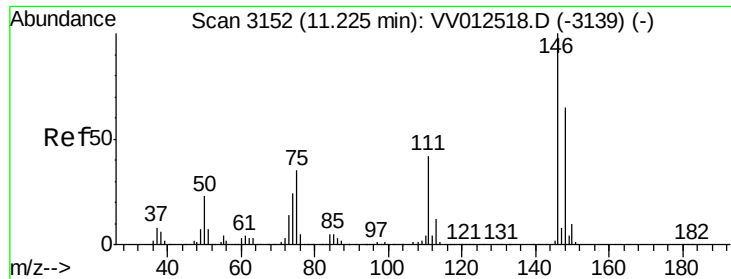


Abundance Ion 172.90 (172.60 to 173.60): VV012518.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV012518.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV012518.D (-2687) (-)





#62

1,3-Dichlorobenzene

Concen: 1.143 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampled :

VSTD00131

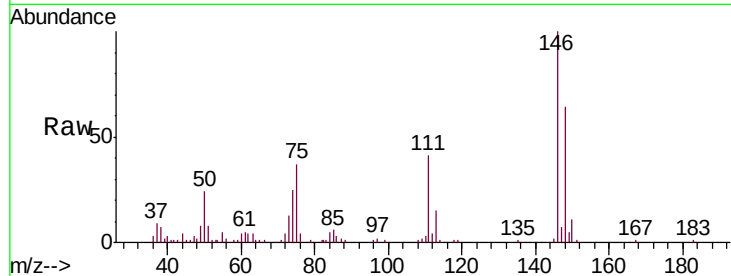
Tgt Ion:146 Resp: 36352

Ion Ratio Lower Upper

146 100

111 41.1 29.7 55.1

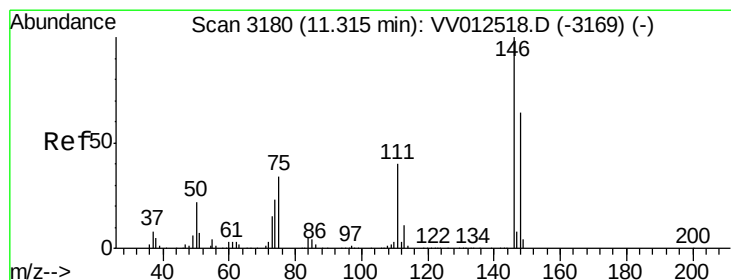
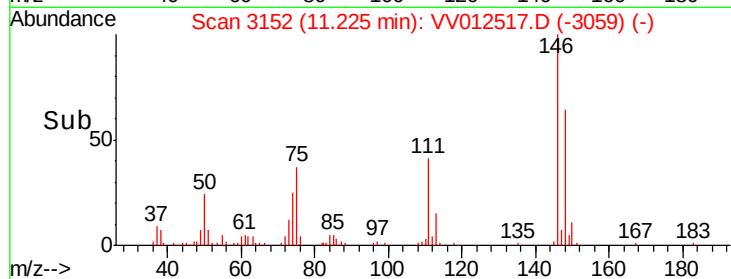
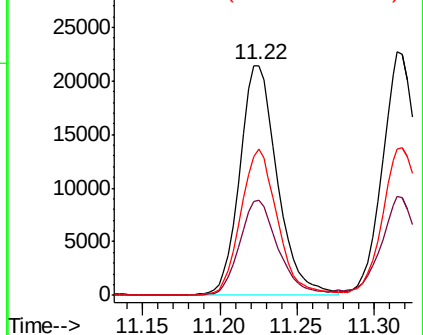
148 63.6 45.7 84.9



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: 1.195 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

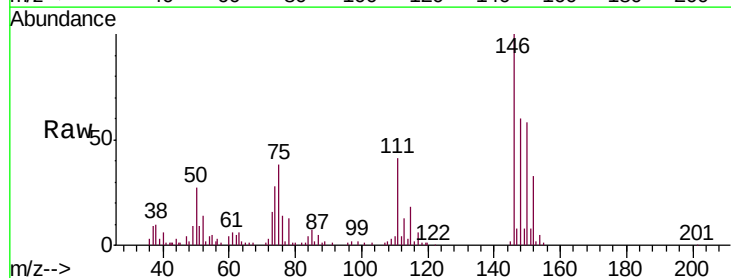
Tgt Ion:146 Resp: 38151

Ion Ratio Lower Upper

146 100

111 40.6 27.9 51.7

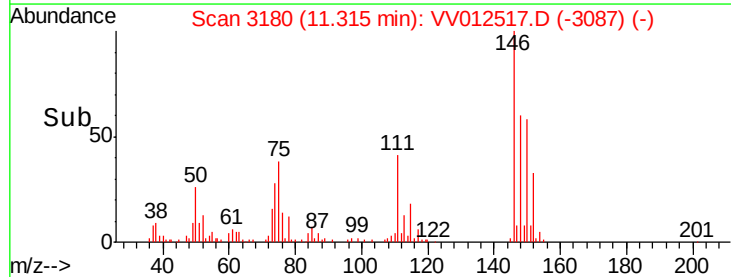
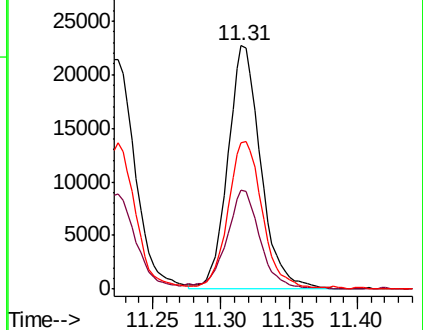
148 60.2 44.9 83.3

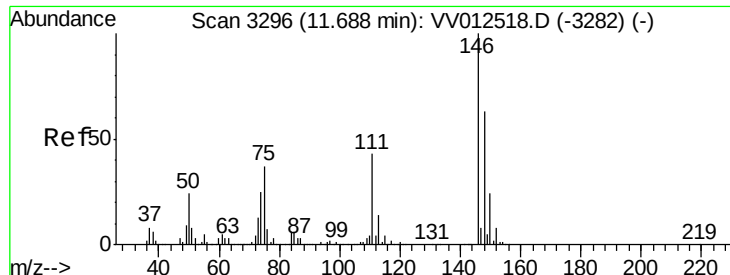


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

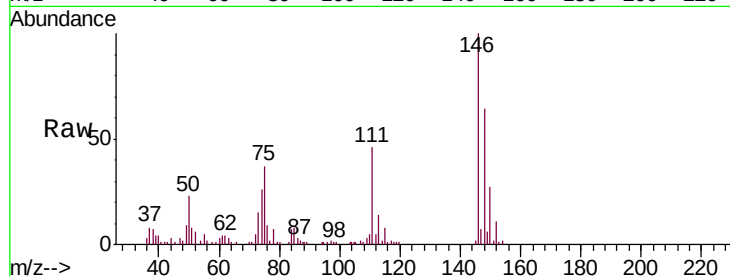




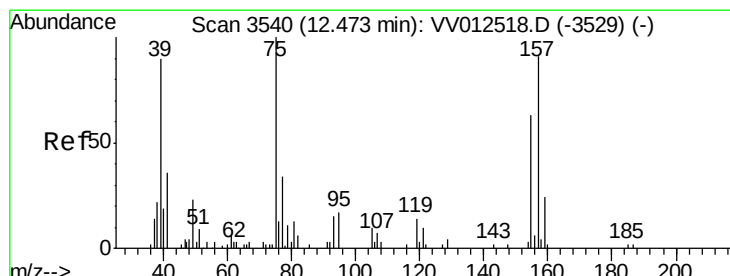
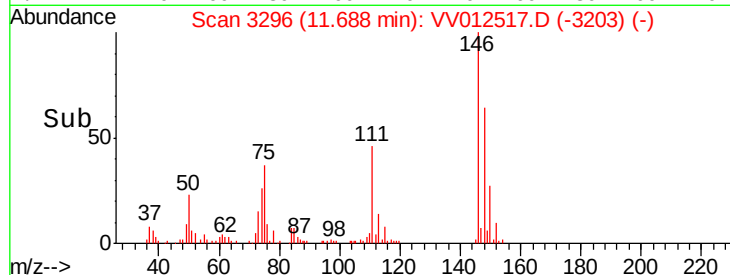
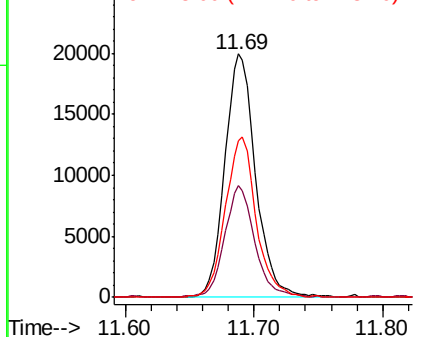
#65
 1,2-Dichlorobenzene
 Concen: 1.104 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tgt Ion:146 Resp: 33003
 Ion Ratio Lower Upper
 146 100
 111 46.0 34.2 51.2
 148 64.4 50.8 76.2

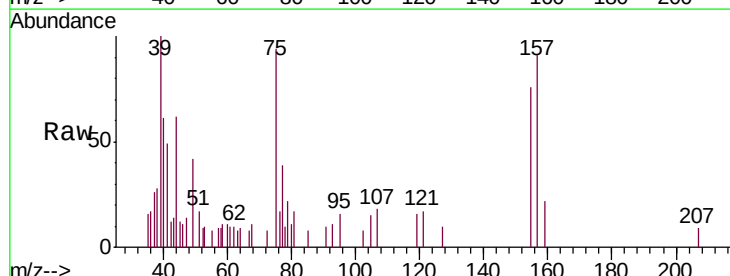


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

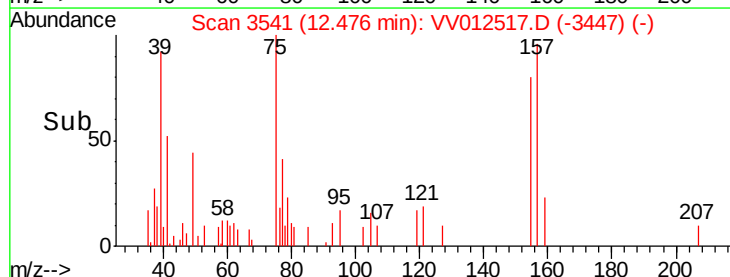
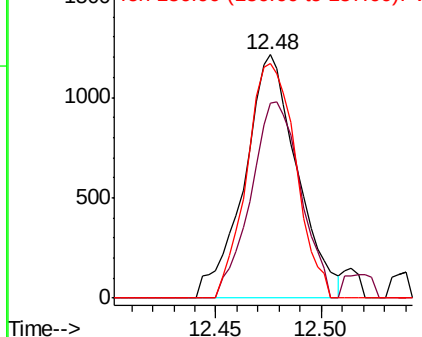


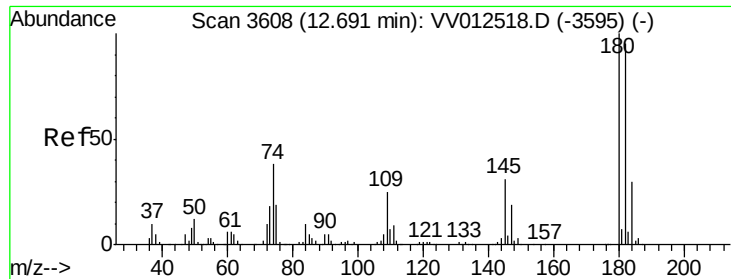
#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.049 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

Tgt Ion: 75 Resp: 2117
 Ion Ratio Lower Upper
 75 100
 155 80.2 50.6 75.8#
 157 96.5 72.6 109.0



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

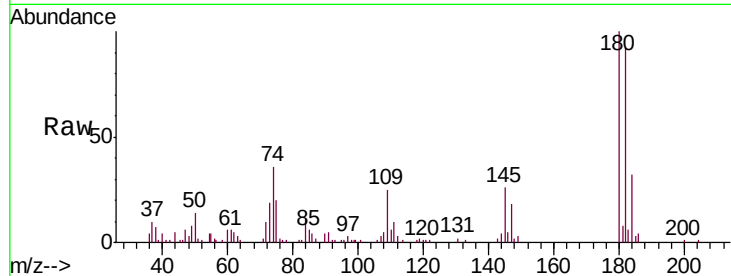




#67
 1,3,5-Trichlorobenzene
 Concen: 1.082 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tgt Ion:	180	Resp:	25656
Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.4	111.6
184	31.9	23.4	35.0
145	28.9	24.0	36.0



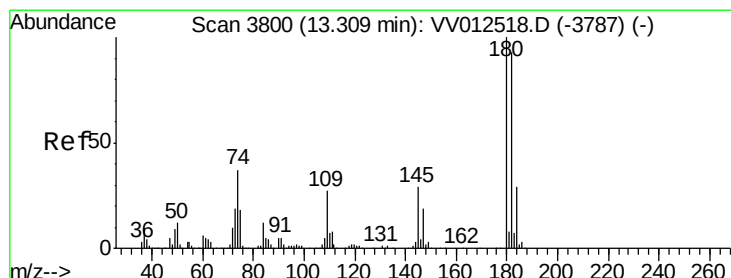
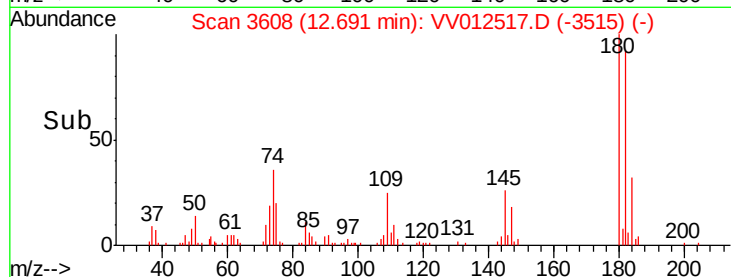
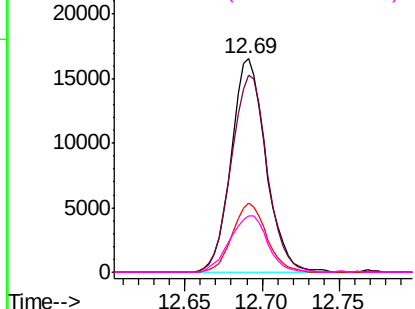
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

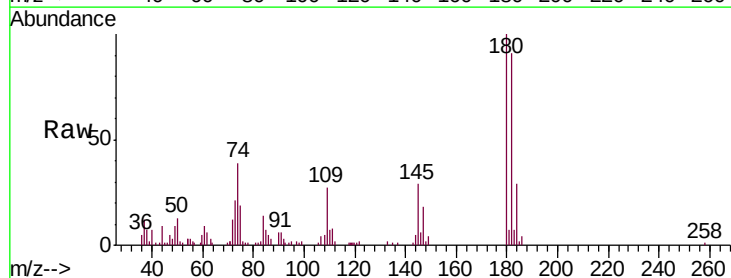
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.018 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012517.D
 Acq: 02 Sep 2019 09:46

Tgt Ion:	180	Resp:	17693
Ion	Ratio	Lower	Upper
180	100		
182	90.6	75.8	113.6
145	29.1	23.8	35.8

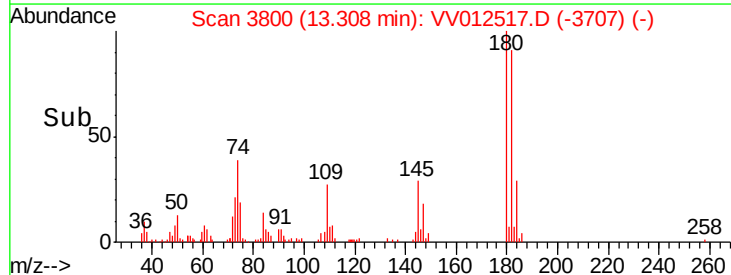
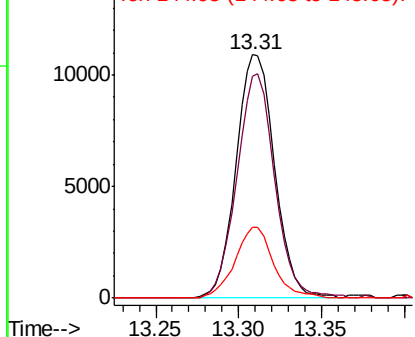


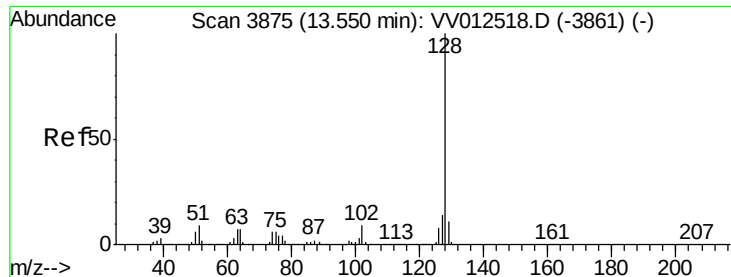
Abundance

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: 0.841 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

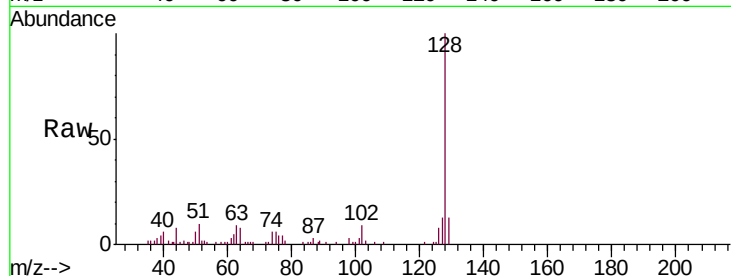
Tgt Ion:128 Resp: 21095

Ion Ratio Lower Upper

128 100

129 12.2 8.8 13.2

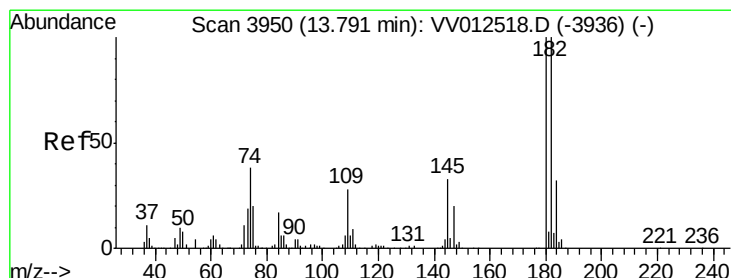
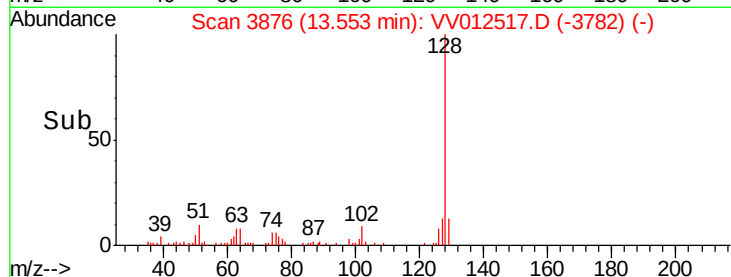
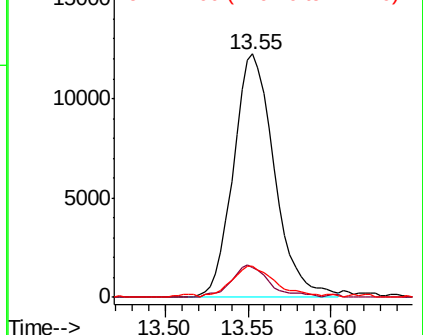
127 13.6 11.0 16.4



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: 0.942 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012517.D

Acq: 02 Sep 2019 09:46

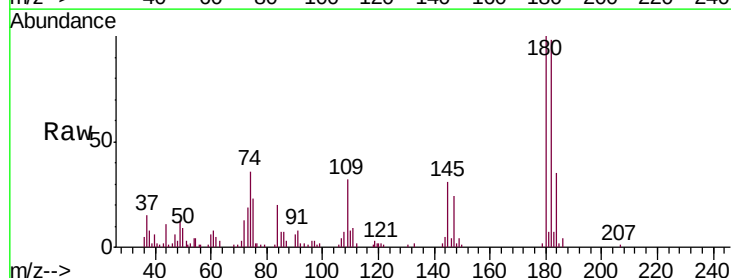
Tgt Ion:180 Resp: 15457

Ion Ratio Lower Upper

180 100

182 95.8 79.4 119.0

145 32.0 26.2 39.4



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

