

Data File : VV014512.D
Acq On : 06 Feb 2020 10:45
Operator : SY/MD
Sample : VSTD01061
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

Quant Time: Feb 07 01:06:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 01:04:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	453113	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	417870	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	210253	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24429	9.64	ug/L	0.00
7) Chloroethane-d5	1.59	69	17071	9.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	37673	8.79	ug/L	0.00
21) 2-Butanone-d5	3.93	46	34137	18.10	ug/L	0.00
24) Chloroform-d	4.40	84	54052	8.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	32747	8.21	ug/L	0.00
32) Benzene-d6	5.09	84	115869	9.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	34823	9.67	ug/L	0.00
41) Toluene-d8	7.35	98	104278	8.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	18437	9.13	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	26248	17.42	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	44989	8.98	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	39865	8.17	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	35215	10.661 ug/L	100
3) Chloromethane	1.26	50	36867	14.304 ug/L	99
5) Vinyl chloride	1.32	62	28353	12.128 ug/L	96
6) Bromomethane	1.54	94	12677	9.842 ug/L	97
8) Chloroethane	1.60	64	14416	11.881 ug/L	98
9) Trichlorofluoromethane	1.77	101	37785	10.399 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	18853	10.660 ug/L	100
12) 1,1-Dichloroethene	2.14	96	17732	10.554 ug/L	87
13) Acetone	2.19	43	30726	23.733 ug/L	98
14) Carbon disulfide	2.32	76	84422	13.614 ug/L	99
15) Methyl Acetate	2.46	43	29063	12.204 ug/L	99
16) Methylene chloride	2.54	84	33691	12.578 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	30335	12.125 ug/L	98
18) Methyl tert-butyl Ether	2.80	73	95517	11.367 ug/L	99
19) 1,1-Dichloroethane	3.23	63	54133	11.892 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	33380	11.492 ug/L	98
22) 2-Butanone	4.01	43	42017	23.706 ug/L	98
23) Bromochloromethane	4.29	128	15905	10.237 ug/L	95
25) Chloroform	4.42	83	54427	10.820 ug/L	98
27) 1,2-Dichloroethane	5.17	62	39906	10.309 ug/L	97
29) Cyclohexane	4.72	56	50839	13.203 ug/L	100
30) 1,1,1-Trichloroethane	4.65	97	46143	10.140 ug/L	98
31) Carbon tetrachloride	4.87	117	40633	9.730 ug/L	99
33) Benzene	5.14	78	122310	11.912 ug/L	100
34) Trichloroethene	5.96	95	32591	11.617 ug/L	96
35) Methylcyclohexane	6.17	83	52311	12.266 ug/L	99
37) 1,2-Dichloropropane	6.22	63	30101	11.926 ug/L	99
38) Bromodichloromethane	6.55	83	39719	10.375 ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	50070	11.358 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	76852	23.447 ug/L	95

Data File : VV014512.D
Acq On : 06 Feb 2020 10:45
Operator : SY/MD
Sample : VSTD01061
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

Quant Time: Feb 07 01:06:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 01:04:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	130009	11.553	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	44761	10.903	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	29163	10.994	ug/L	97
46) Tetrachloroethene	8.01	164	24128	9.567	ug/L	92
48) 2-Hexanone	8.18	43	55576	22.214	ug/L	97
49) Dibromochloromethane	8.28	129	31828	9.532	ug/L	98
50) 1,2-Dibromoethane	8.39	107	30844	10.540	ug/L	97
51) Chlorobenzene	8.92	112	86703	11.493	ug/L	99
52) Ethylbenzene	9.05	91	147293	11.633	ug/L	100
53) m,p-Xylene	9.18	106	56912	11.702	ug/L	99
54) o-Xylene	9.58	106	53936	11.245	ug/L	99
55) Styrene	9.60	104	88752	10.917	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	45384	11.047	ug/L	98
59) Bromoform	9.77	173	21545	8.742	ug/L	99
60) Isopropylbenzene	9.97	105	139910	11.575	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	35592	11.598	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	118356	11.323	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	115612	11.187	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	66093	10.971	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	68918	11.270	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	63612	10.473	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	10012	10.230	ug/L	87
69) 1,3,5-Trichlorobenzene	12.69	180	45210	9.543	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	40421	9.698	ug/L	99
71) Naphthalene	13.55	128	131811	11.834	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	39353	9.506	ug/L	98

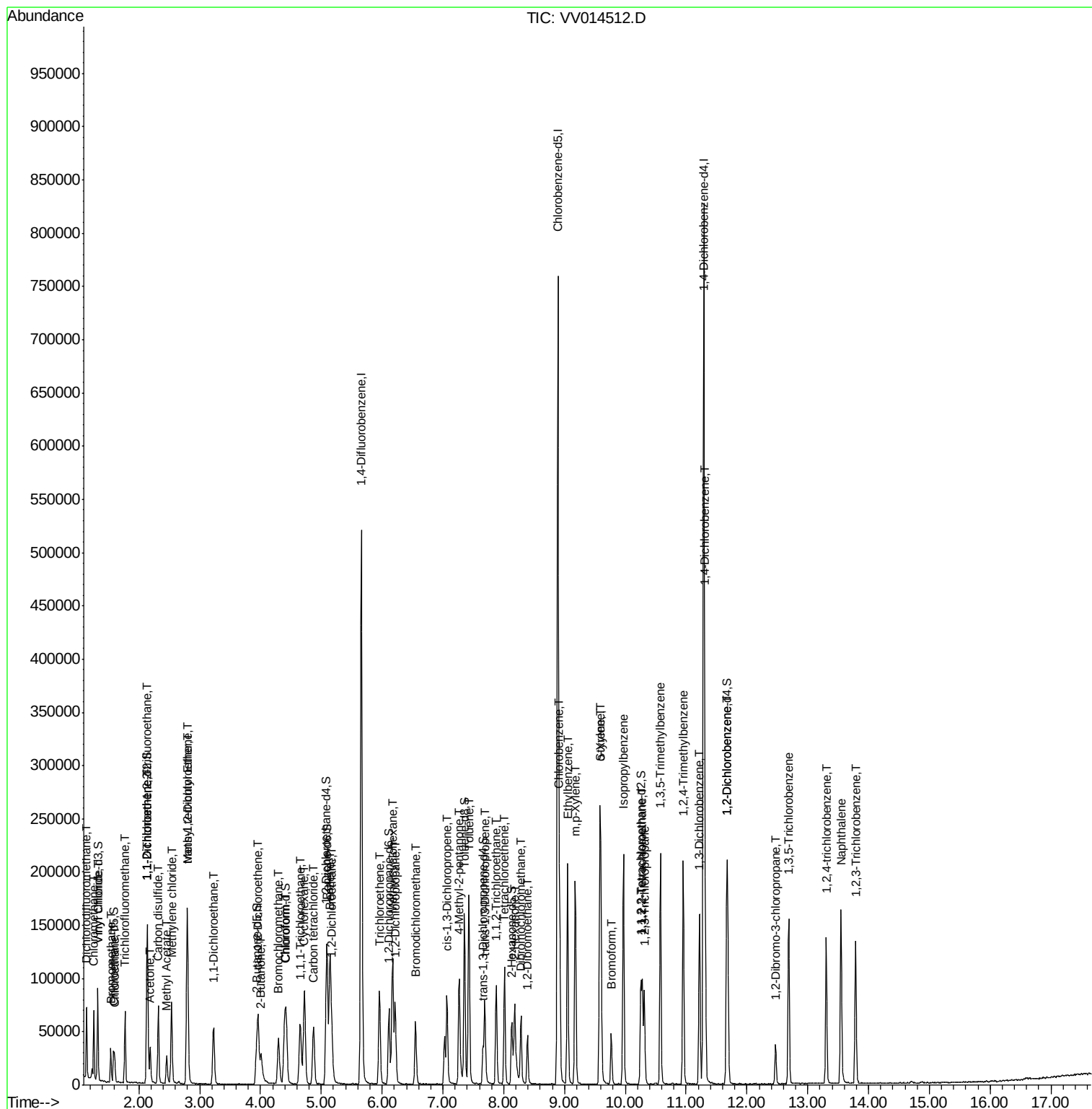
(#) = qualifier out of range (m) = manual integration (+) = signals summed

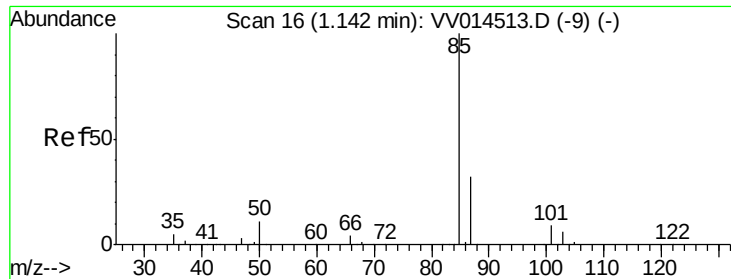
Data File : VV014512.D

```
Acq On       : 06 Feb 2020   10:45
Operator     : SY/MD
Sample       : VSTD01061
Misc         : 5.0mL/MSV0A_V/WATER
ALS Vial     : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

Quant Time: Feb 07 01:06:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 01:04:28 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 10.661 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

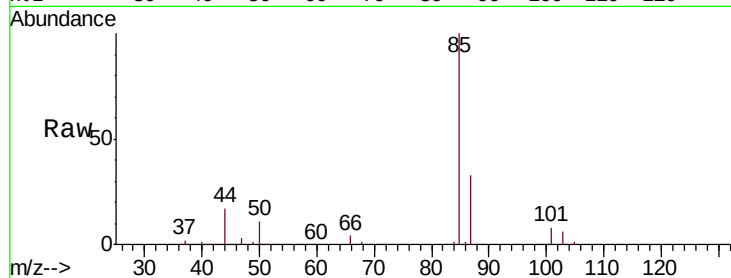
VSTD010202

Tgt Ion: 85 Resp: 35215

Ion Ratio Lower Upper

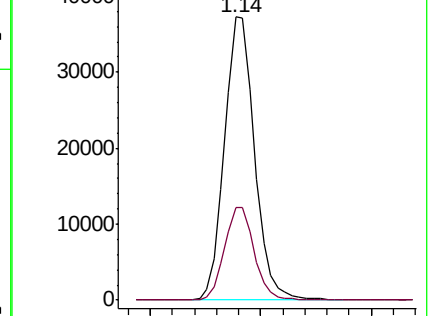
85 100

87 32.3 25.7 38.5

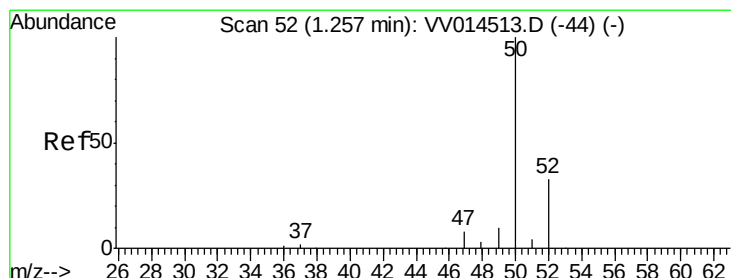
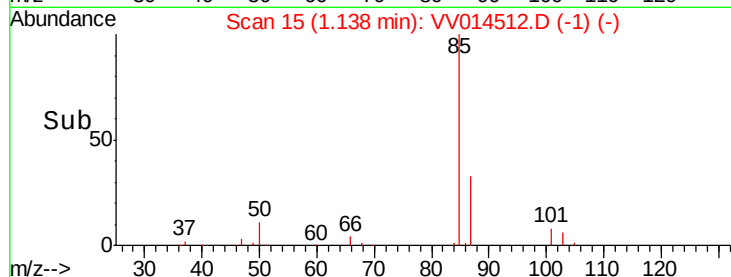


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 14.304 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014512.D

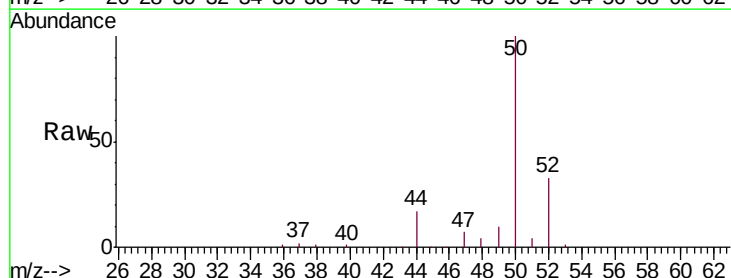
Acq: 06 Feb 2020 10:45

Tgt Ion: 50 Resp: 36867

Ion Ratio Lower Upper

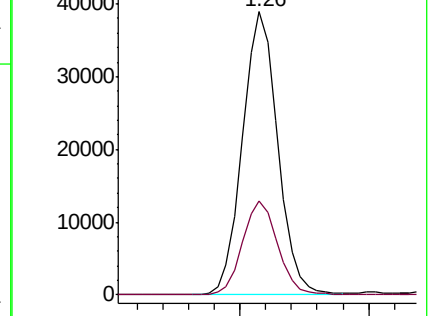
50 100

52 33.1 22.9 42.5

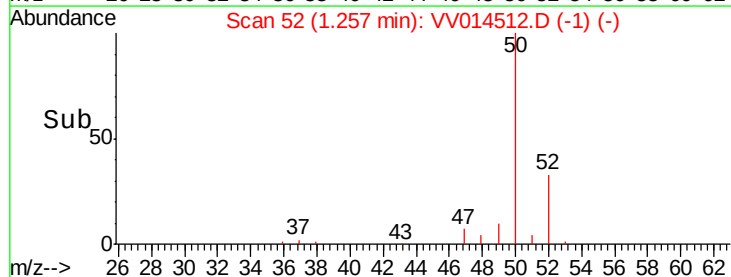


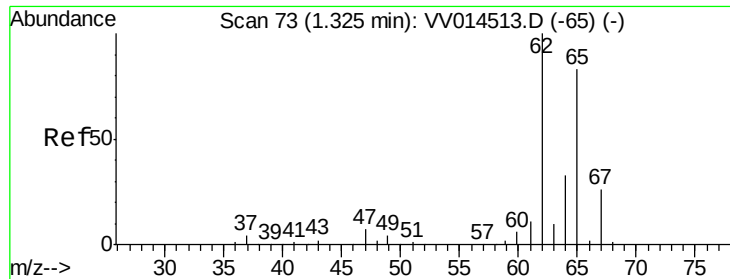
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time-->





#5

Vinyl chloride

Concen: 12.128 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

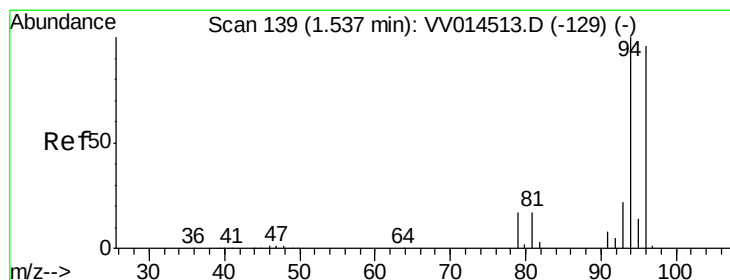
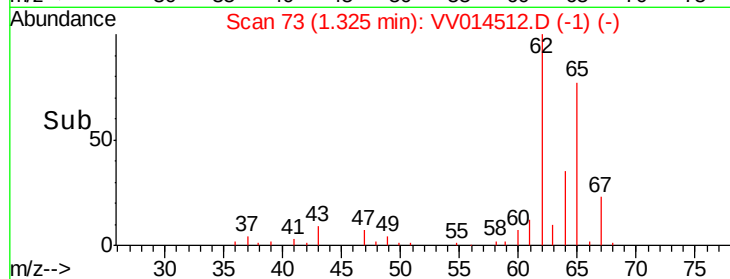
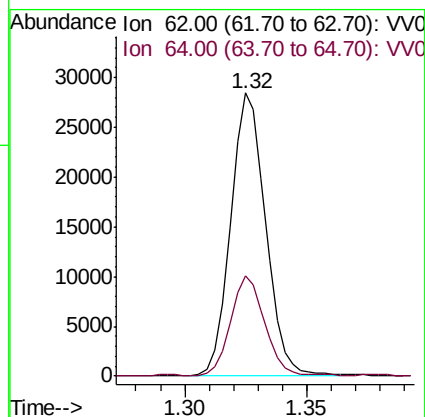
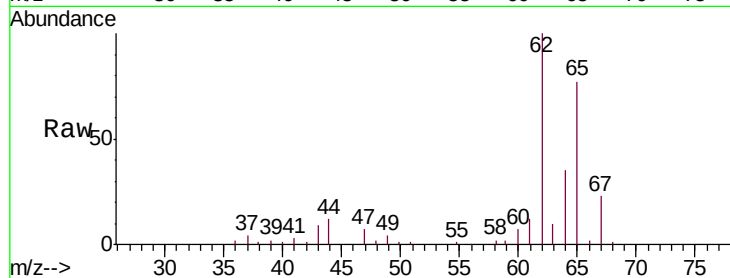
VSTD010202

Tgt Ion: 62 Resp: 28353

Ion Ratio Lower Upper

62 100

64 35.3 23.1 42.9



#6

Bromomethane

Concen: 9.842 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV014512.D

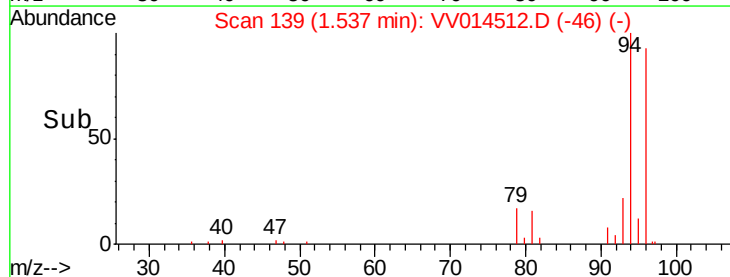
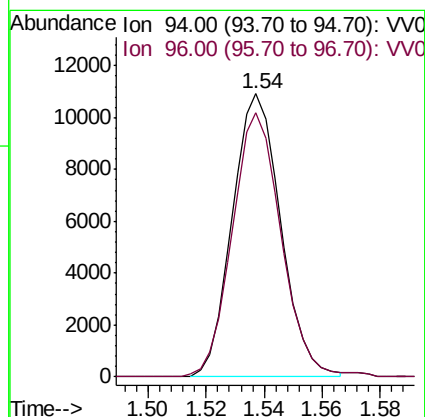
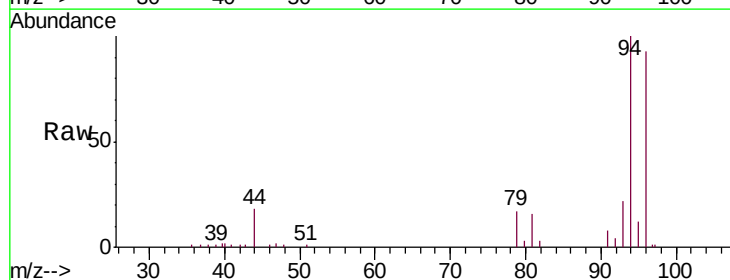
Acq: 06 Feb 2020 10:45

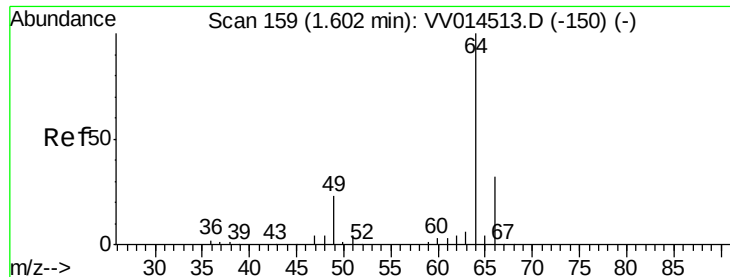
Tgt Ion: 94 Resp: 12677

Ion Ratio Lower Upper

94 100

96 93.2 67.3 124.9





#8

Chloroethane

Concen: 11.881 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

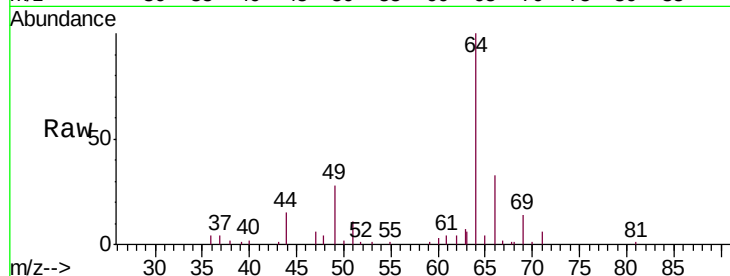
VSTD010202

Tgt Ion: 64 Resp: 14416

Ion Ratio Lower Upper

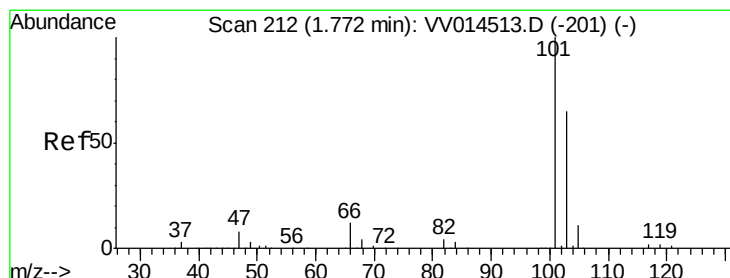
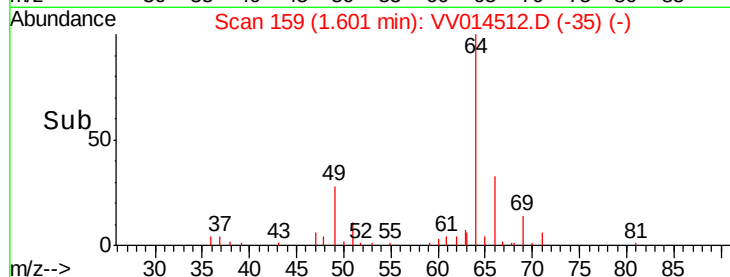
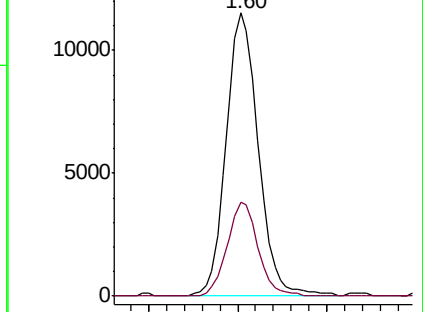
64 100

66 33.2 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV014512.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014512.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 10.399 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV014512.D

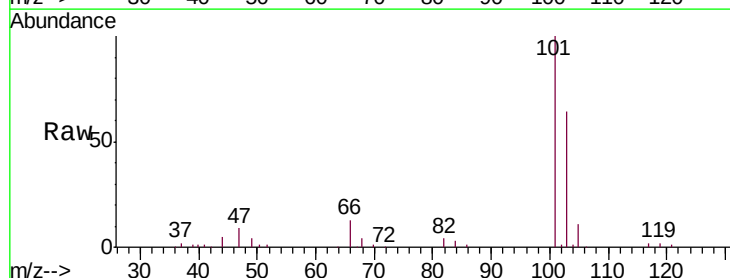
Acq: 06 Feb 2020 10:45

Tgt Ion: 101 Resp: 37785

Ion Ratio Lower Upper

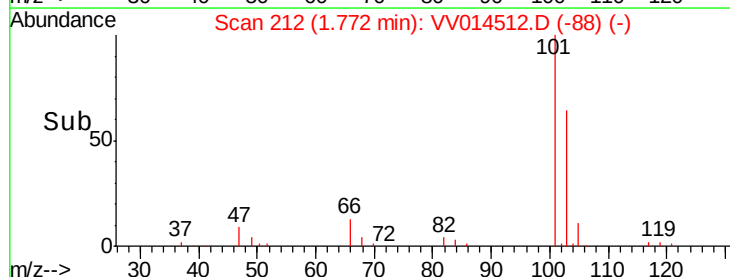
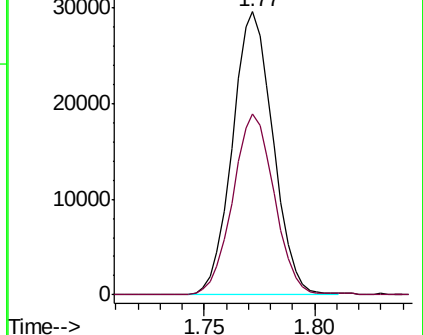
101 100

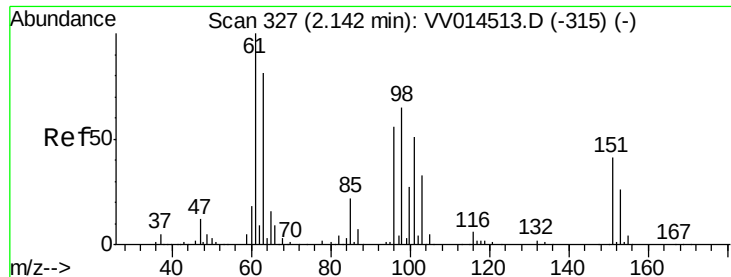
103 65.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014512.D (-88) (-)

Ion 103.00 (102.70 to 103.70): VV014512.D (-88) (-)





#10

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

Concen: 10.660 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD010202

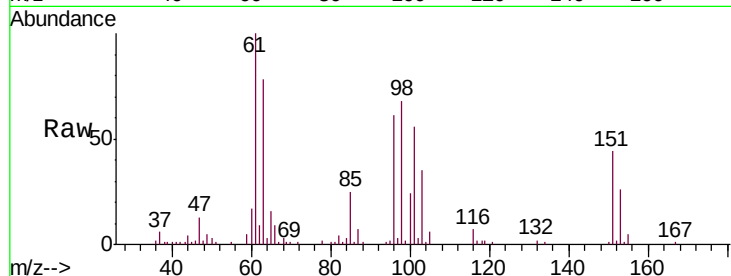
Tgt Ion: 101 Resp: 18853

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.6

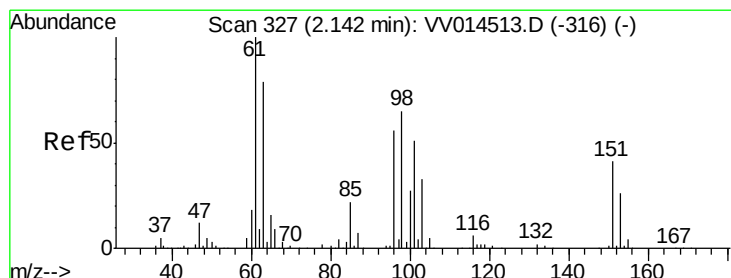
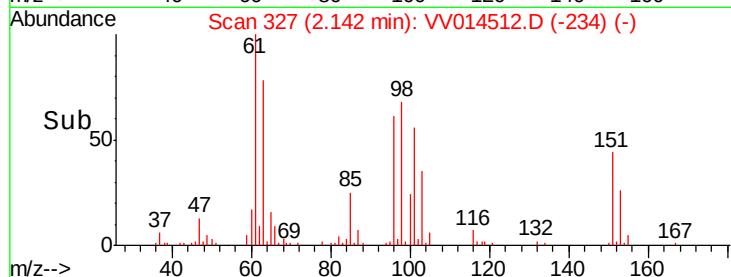
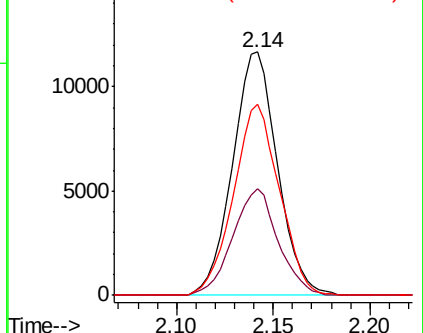
151 80.1 64.4 96.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 10.554 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

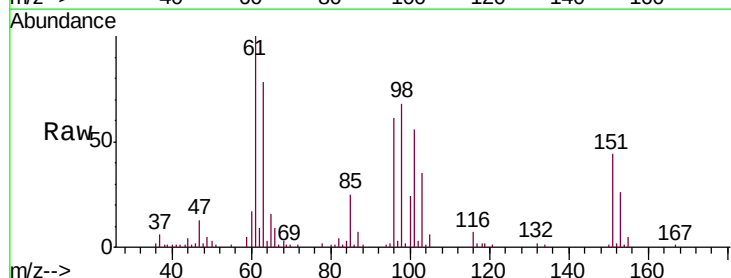
Tgt Ion: 96 Resp: 17732

Ion Ratio Lower Upper

96 100

61 163.1 125.0 232.2

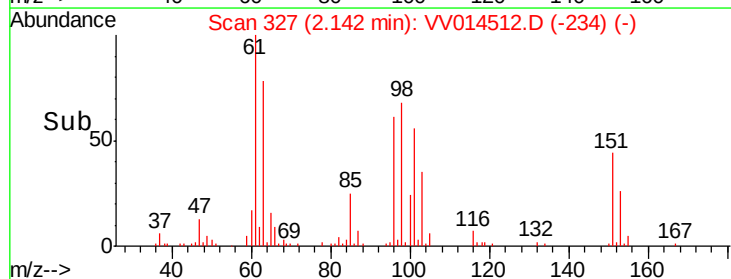
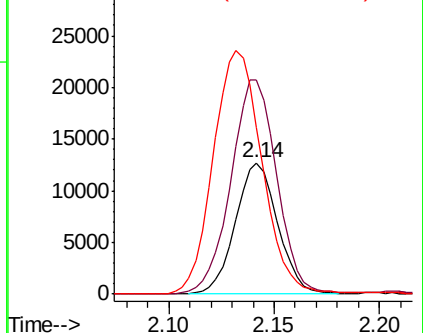
63 126.7 101.6 188.6

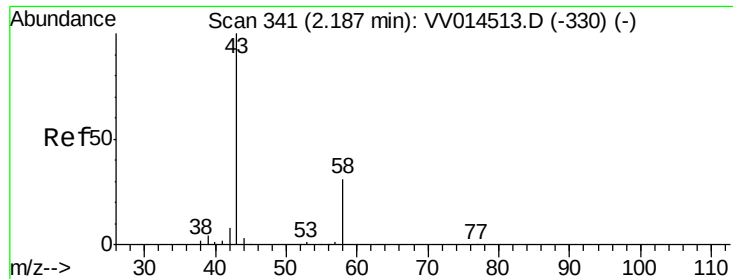


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 23.733 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

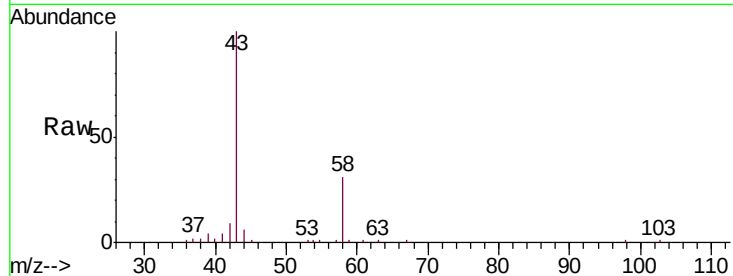
VSTD010202

Tgt Ion: 43 Resp: 30726

Ion Ratio Lower Upper

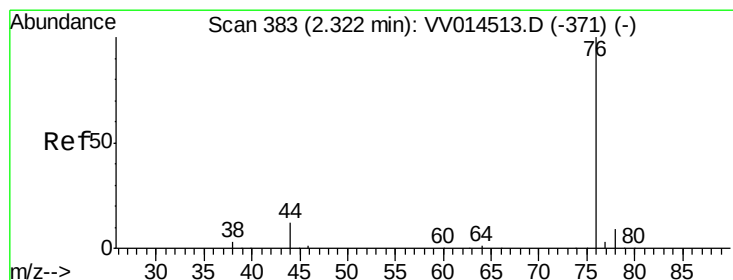
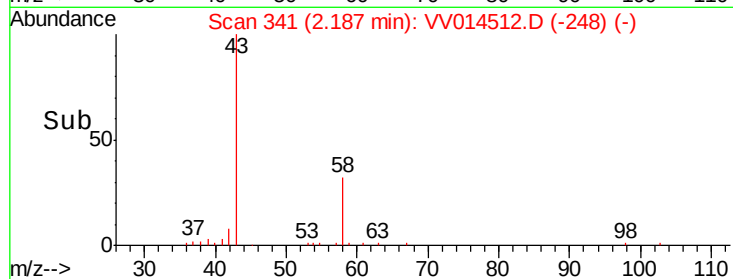
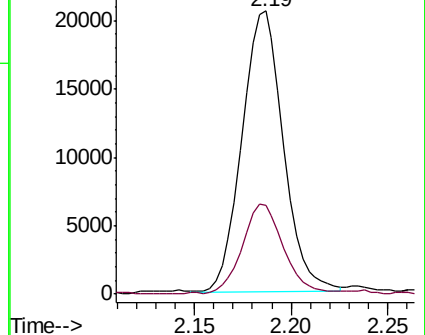
43 100

58 32.2 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV014513.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014513.D (-330) (-)



#14

Carbon disulfide

Concen: 13.614 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014512.D

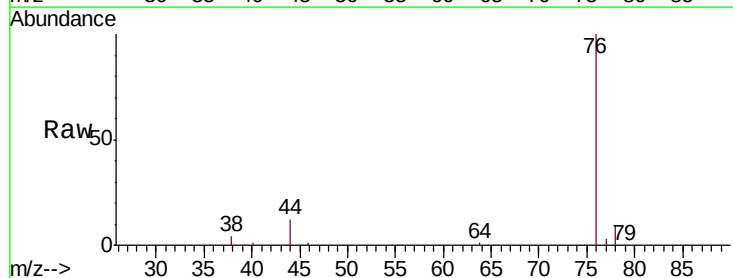
Acq: 06 Feb 2020 10:45

Tgt Ion: 76 Resp: 84422

Ion Ratio Lower Upper

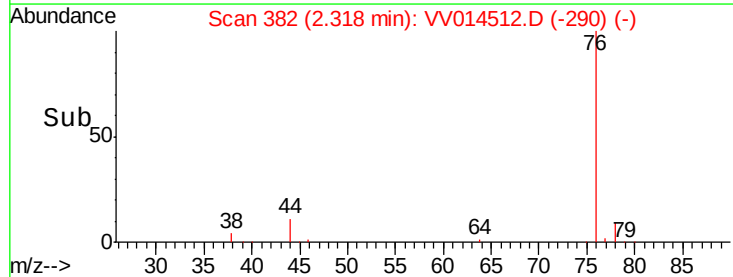
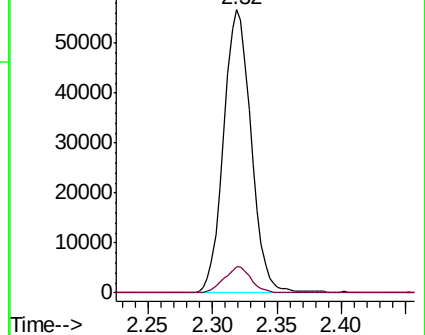
76 100

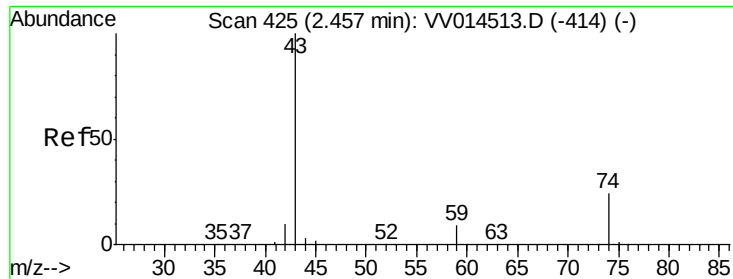
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV014513.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV014513.D (-371) (-)





#15

Methyl Acetate

Concen: 12.204 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

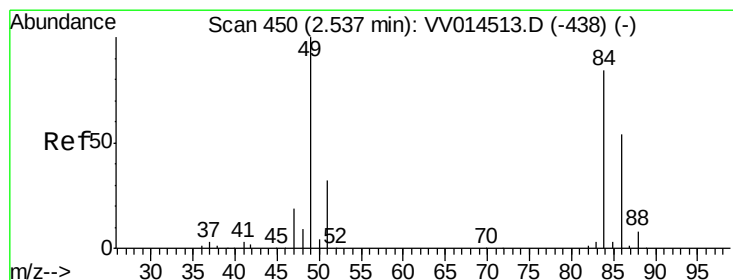
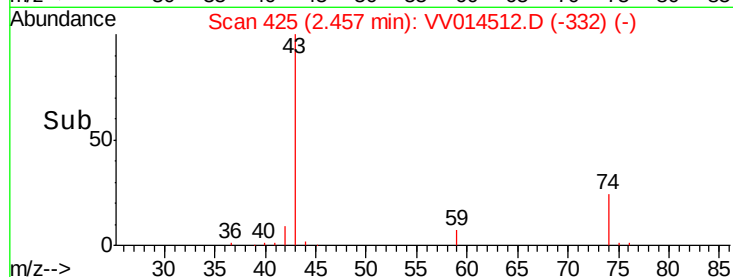
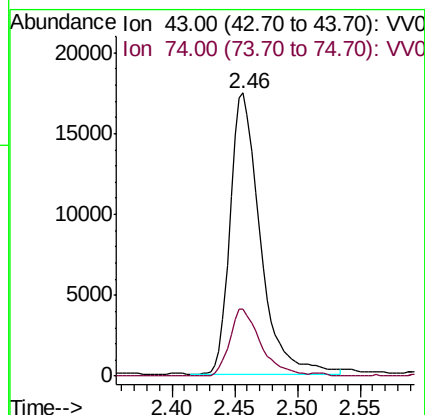
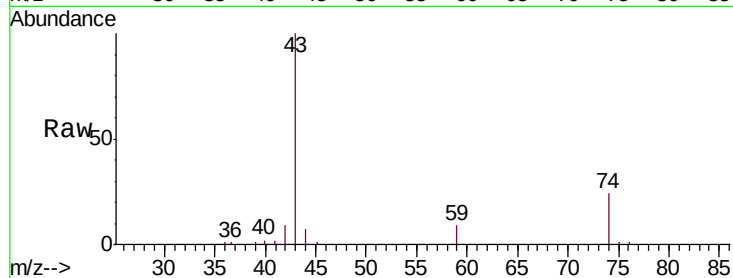
VSTD010202

Tgt Ion: 43 Resp: 29063

Ion Ratio Lower Upper

43 100

74 24.7 19.4 29.0



#16

Methylene chloride

Concen: 12.578 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

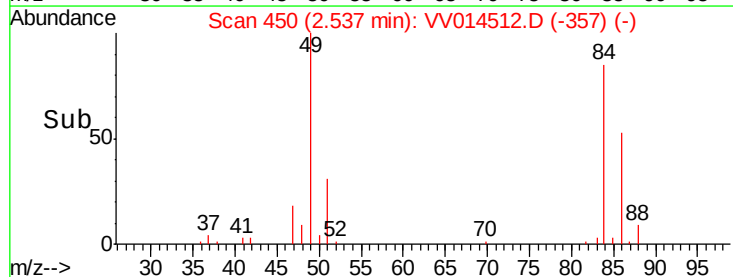
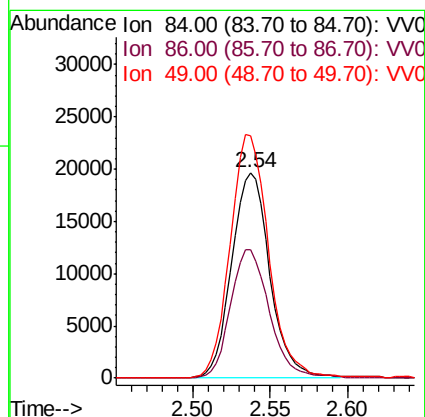
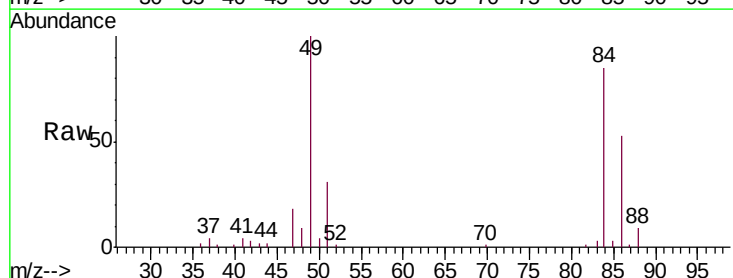
Tgt Ion: 84 Resp: 33691

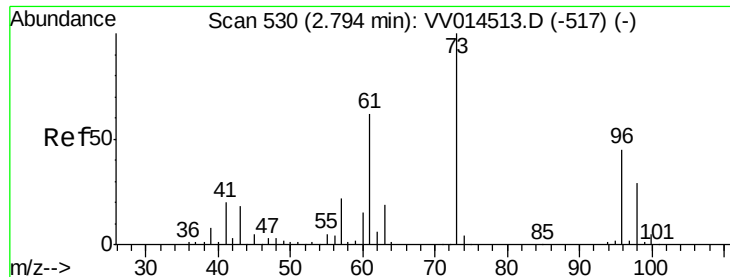
Ion Ratio Lower Upper

84 100

86 62.2 44.6 82.8

49 117.6 83.2 154.4





#17

trans-1,2-Dichloroethene

Concen: 12.125 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD010202

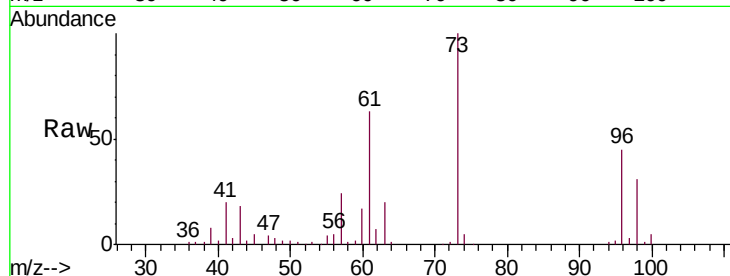
Tgt Ion: 96 Resp: 30335

Ion Ratio Lower Upper

96 100

61 137.7 95.8 178.0

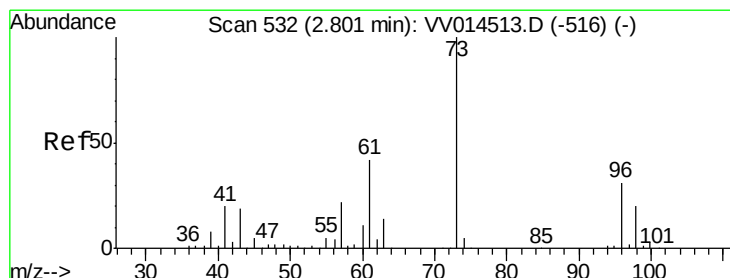
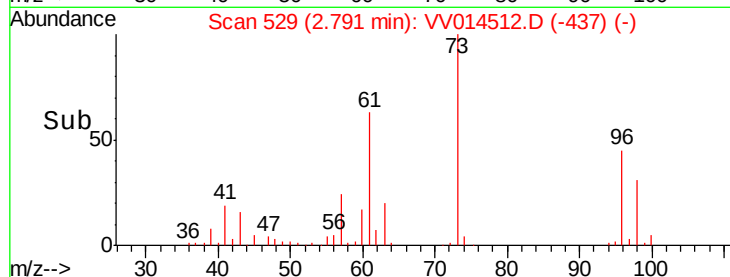
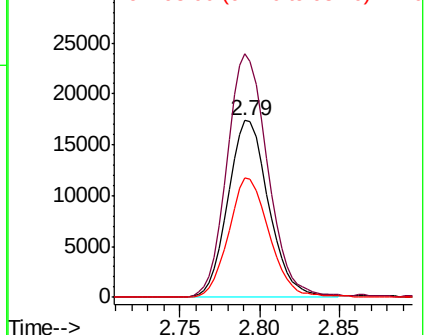
98 67.9 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 11.367 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

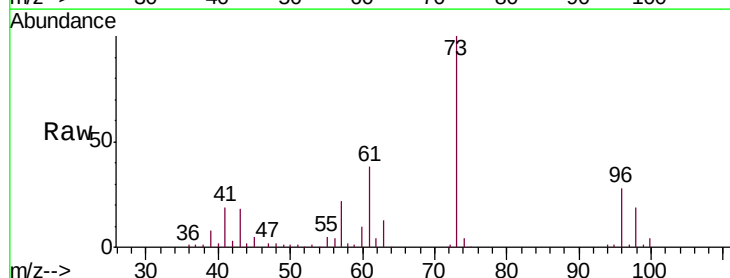
Tgt Ion: 73 Resp: 95517

Ion Ratio Lower Upper

73 100

43 18.5 14.9 22.3

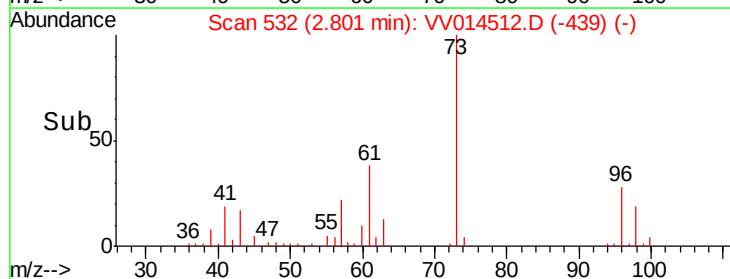
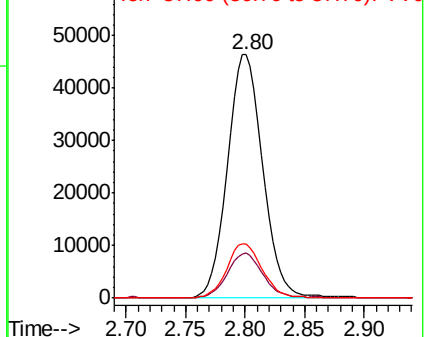
57 22.4 17.5 26.3

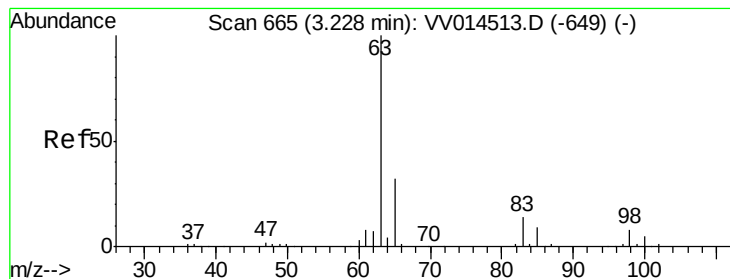


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 11.892 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD010202

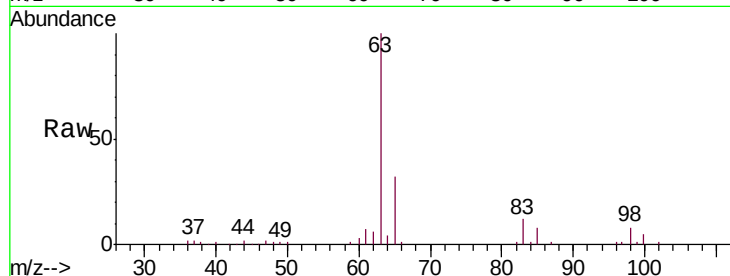
Tgt Ion: 63 Resp: 54133

Ion Ratio Lower Upper

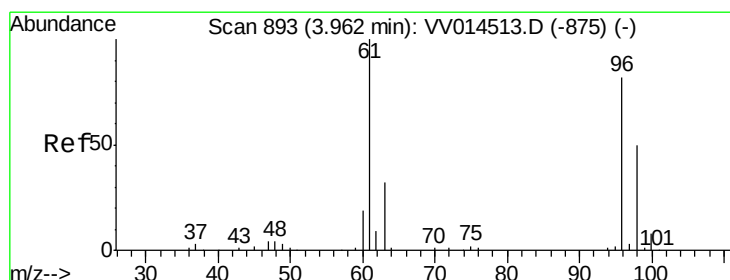
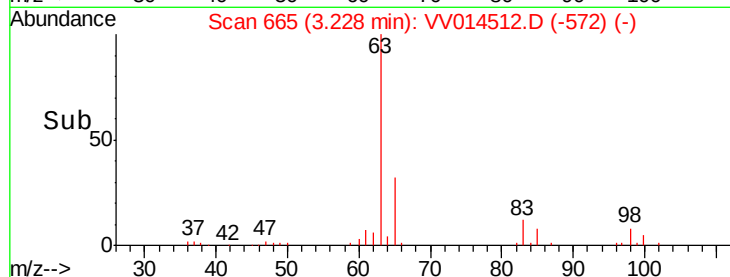
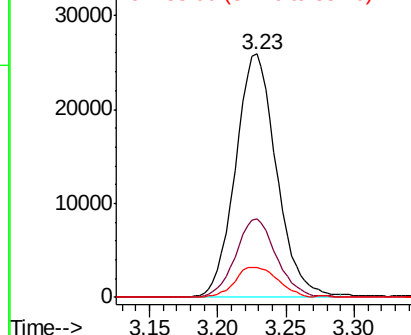
63 100

65 32.3 22.5 41.7

83 12.2 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 11.492 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

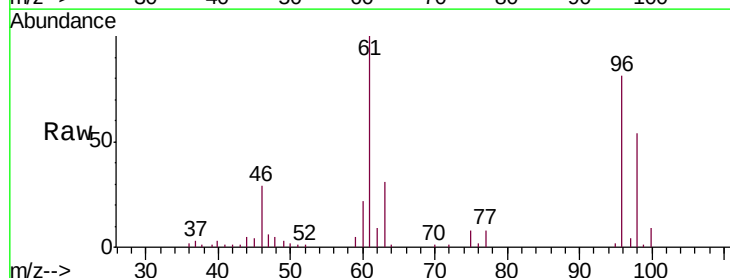
Tgt Ion: 96 Resp: 33380

Ion Ratio Lower Upper

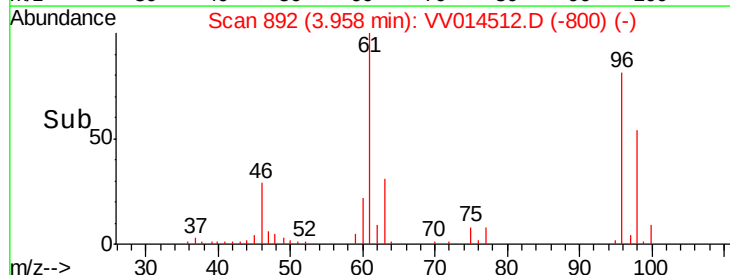
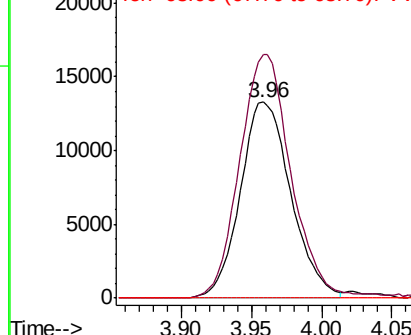
96 100

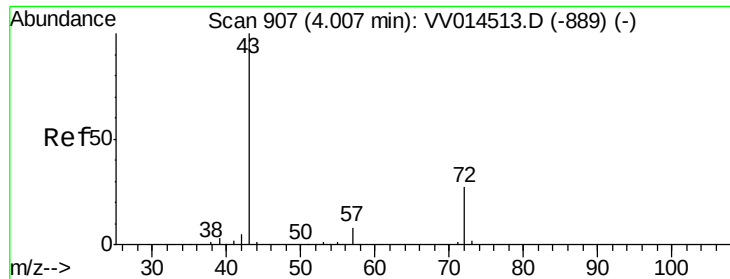
61 124.1 85.2 158.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 23.706 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

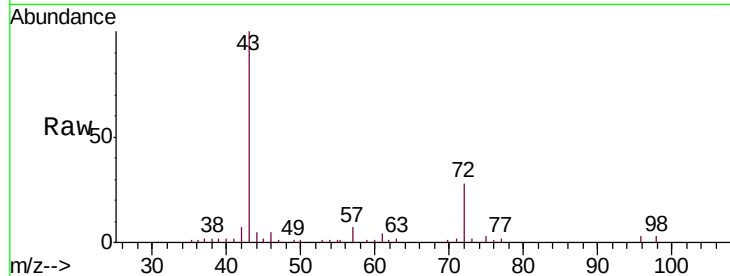
VSTD010202

Tgt Ion: 43 Resp: 42017

Ion Ratio Lower Upper

43 100

72 24.1 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV014512.D (-904) (-)

Ion 72.00 (71.70 to 72.70): VV014512.D (-904) (-)

4.01

15000

10000

5000

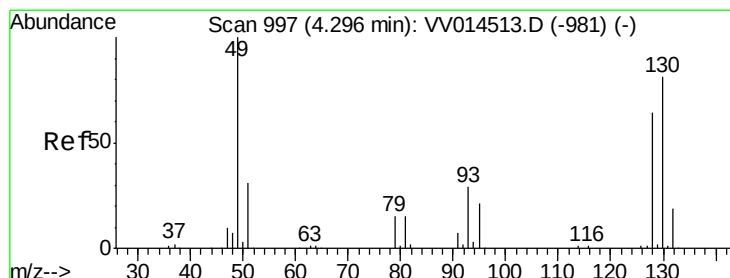
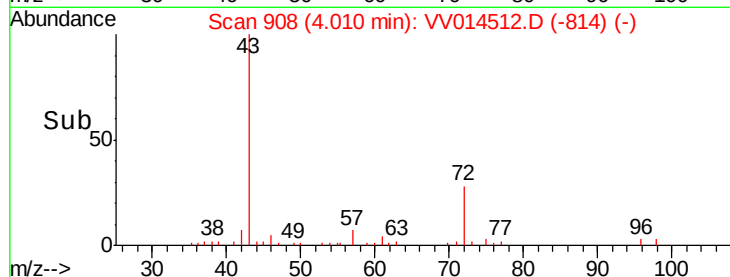
0

3.90

4.00

4.10

Time-->



#23

Bromochloromethane

Concen: 10.237 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Tgt Ion: 128 Resp: 15905

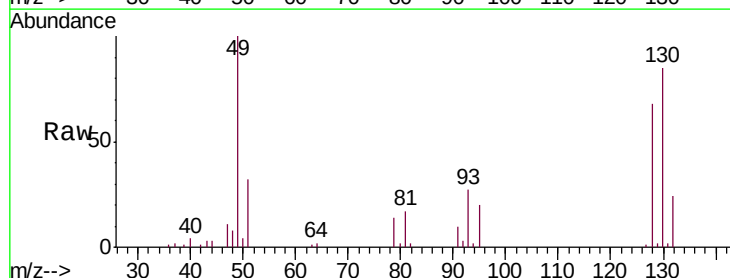
Ion Ratio Lower Upper

128 100

49 146.5 110.1 204.5

130 123.8 88.5 164.4

51 46.9 39.4 59.0



Abundance Ion 128.00 (127.70 to 128.70): VV014512.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV014512.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV014512.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV014512.D (-904) (-)

15000

10000

5000

0

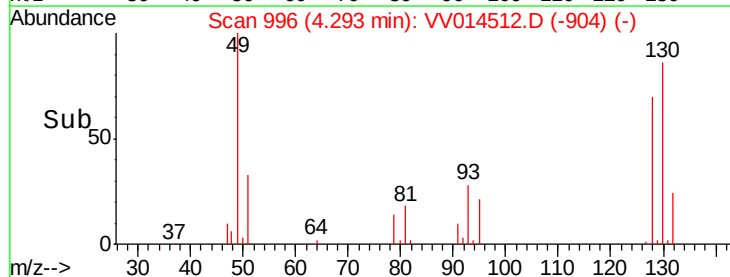
4.20

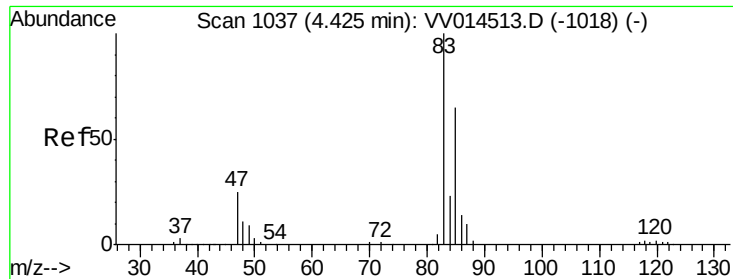
4.25

4.30

4.35

Time-->

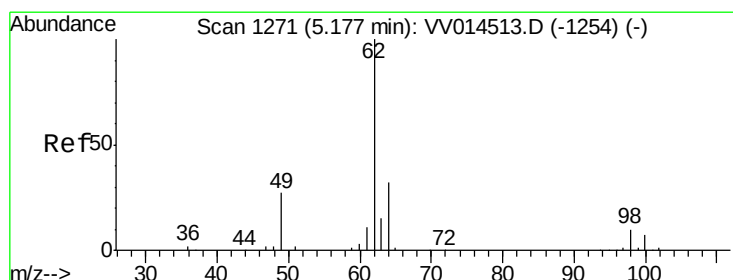
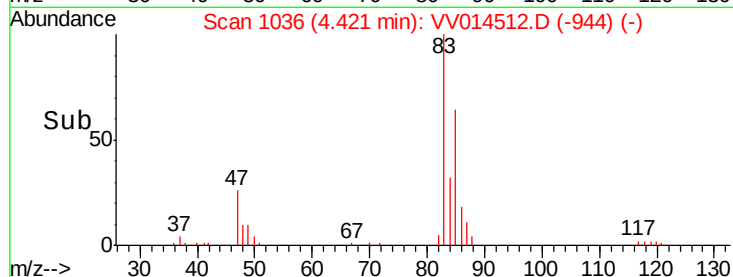
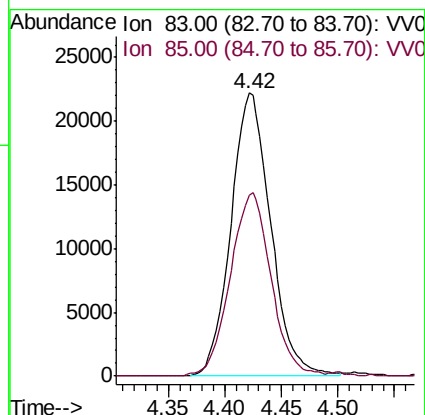
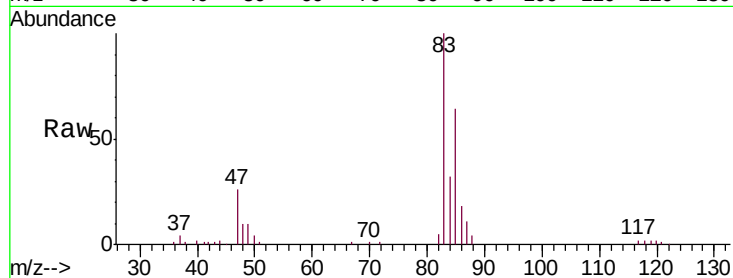




#25
Chloroform
Concen: 10.820 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

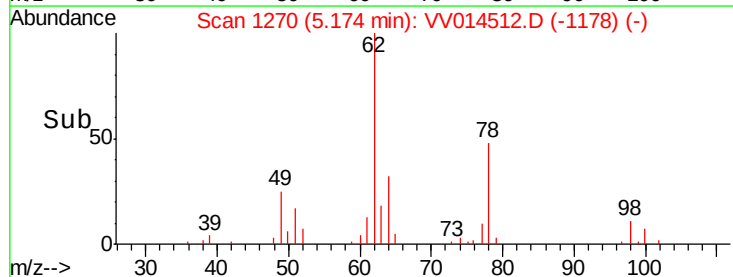
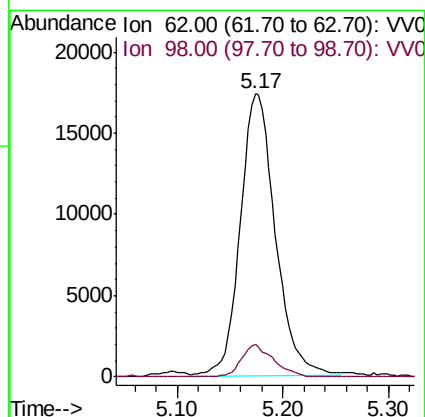
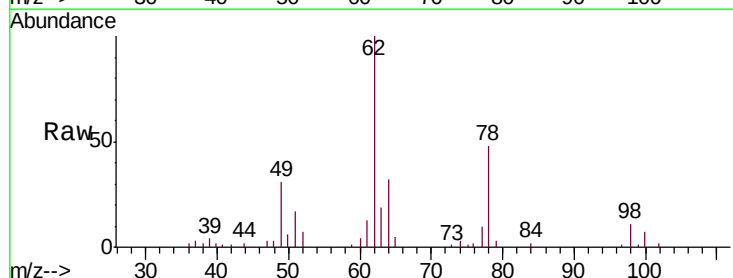
Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

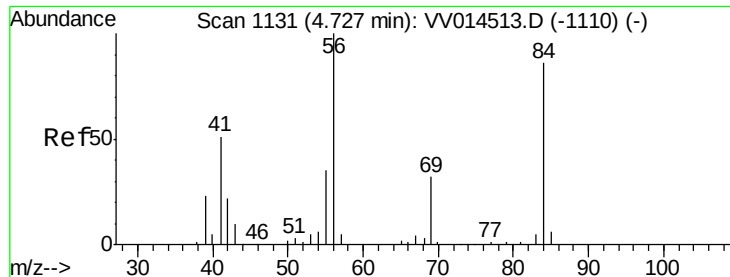
Tgt Ion: 83 Resp: 54427
Ion Ratio Lower Upper
83 100
85 63.8 45.8 85.0



#27
1,2-Dichloroethane
Concen: 10.309 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Tgt Ion: 62 Resp: 39906
Ion Ratio Lower Upper
62 100
98 11.3 8.2 12.4

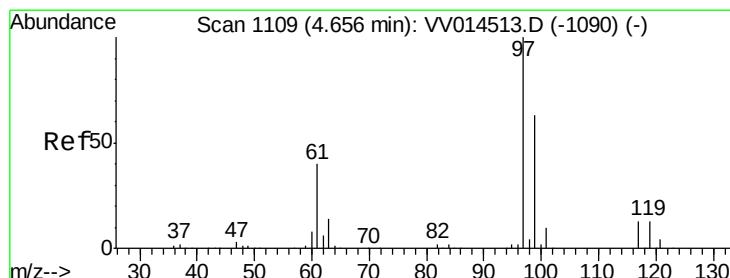
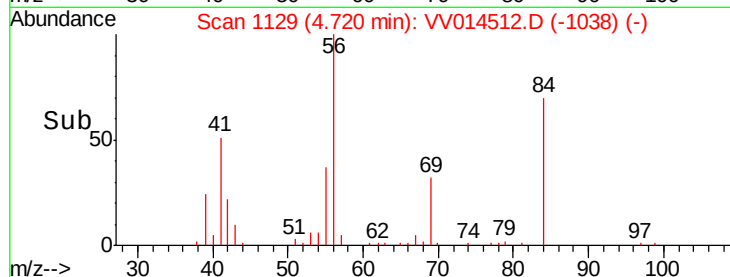
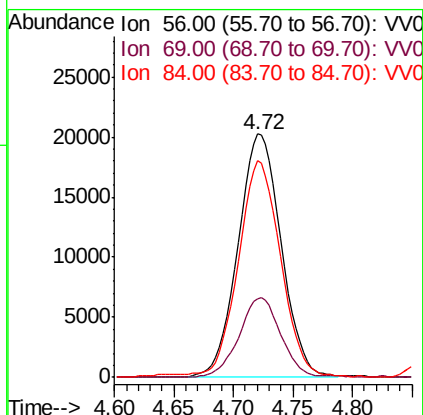
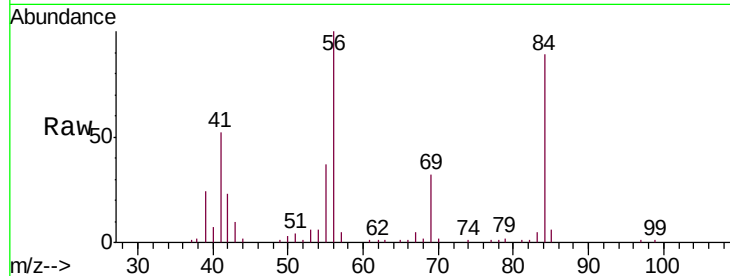




#29
Cyclohexane
Concen: 13.203 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

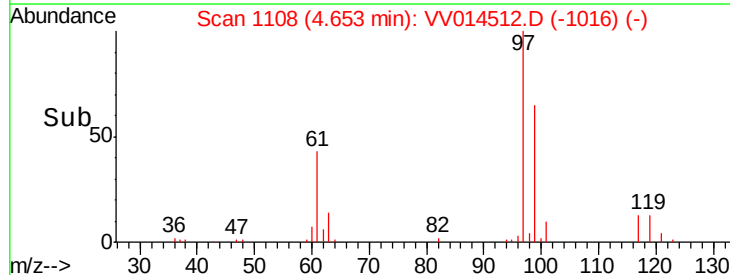
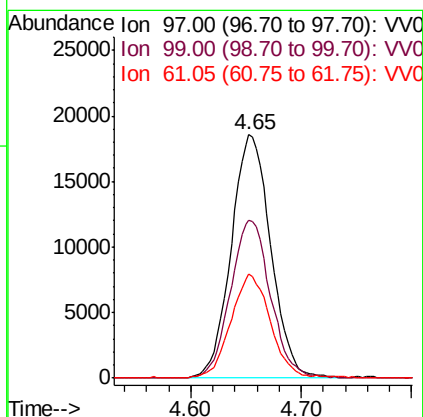
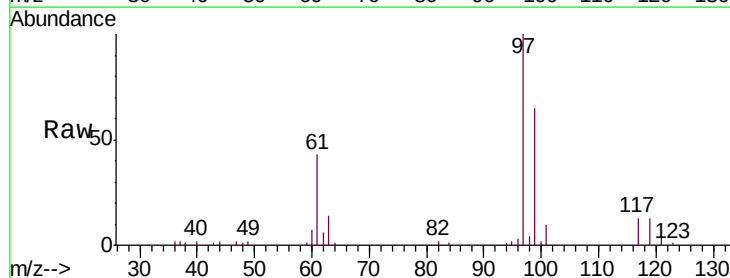
Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

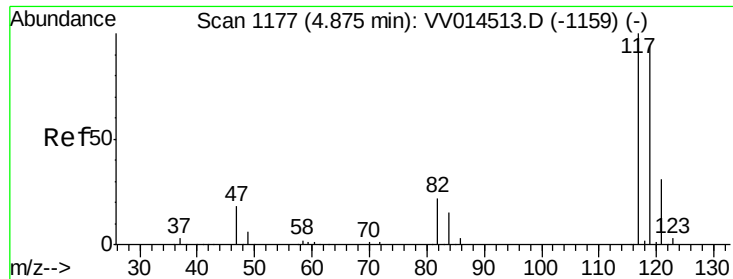
Tgt Ion: 56 Resp: 50839
Ion Ratio Lower Upper
56 100
69 31.6 25.2 37.8
84 87.4 69.8 104.8



#30
1,1,1-Trichloroethane
Concen: 10.140 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Tgt Ion: 97 Resp: 46143
Ion Ratio Lower Upper
97 100
99 65.5 50.6 76.0
61 42.2 33.0 49.4

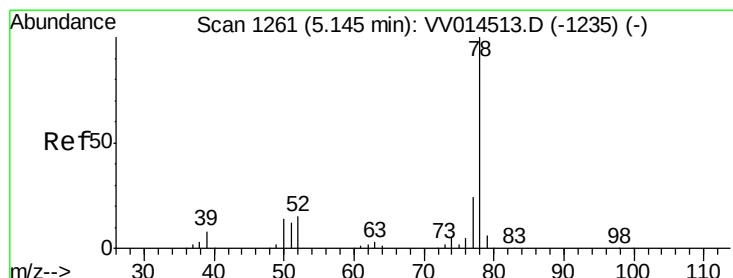
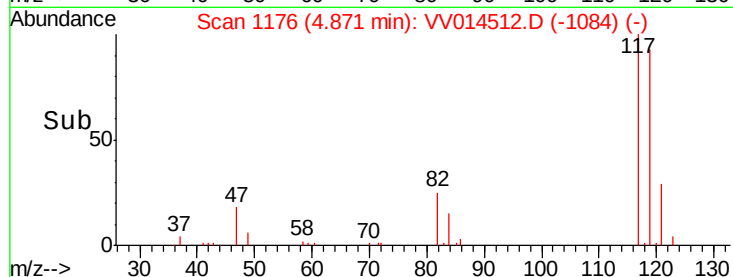
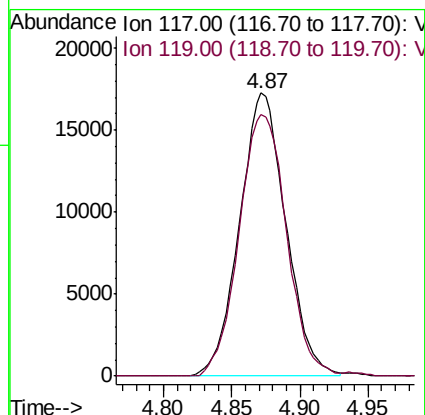
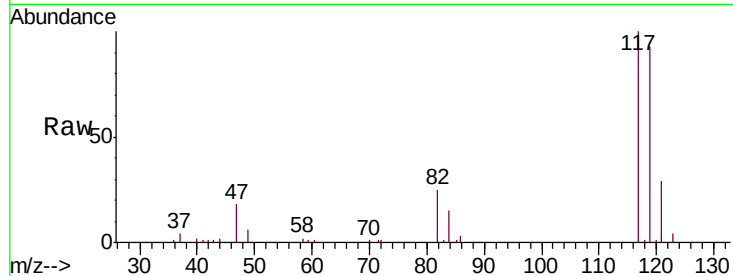




#31
Carbon tetrachloride
Concen: 9.730 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

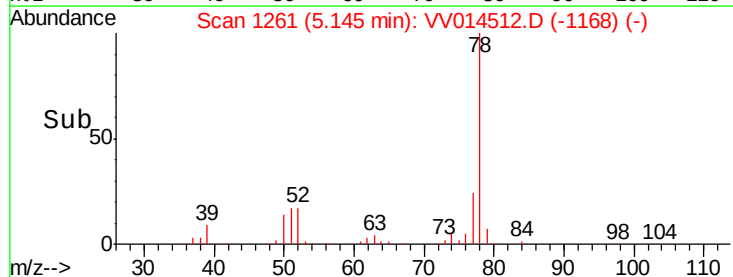
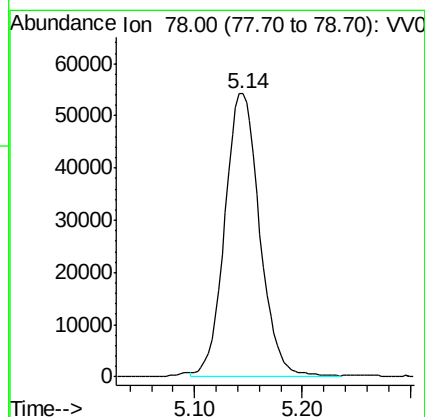
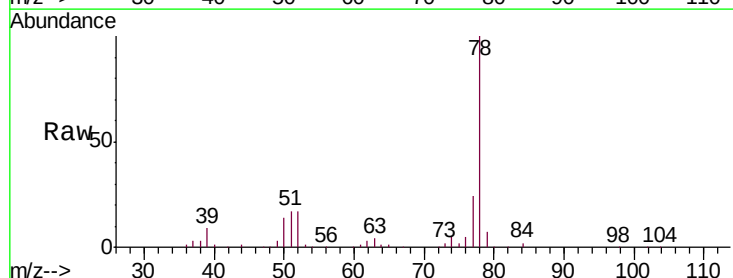
Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

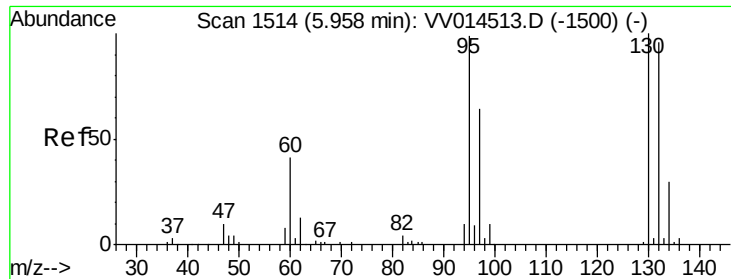
Tgt Ion:117 Resp: 40633
Ion Ratio Lower Upper
117 100
119 94.8 76.7 115.1



#33
Benzene
Concen: 11.912 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Tgt Ion: 78 Resp: 122310





#34

Trichloroethene

Concen: 11.617 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD010202

Tgt Ion: 95 Resp: 32591

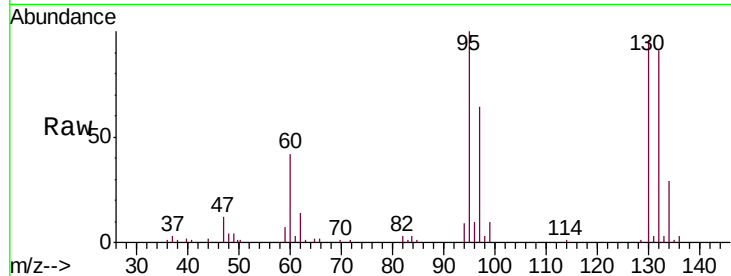
Ion Ratio Lower Upper

95 100

97 63.7 45.1 83.7

132 91.0 67.7 125.7

130 96.2 70.5 130.9



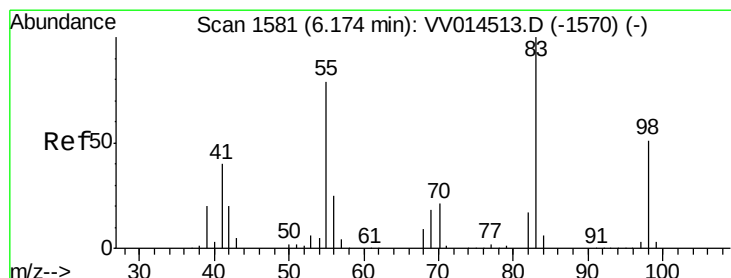
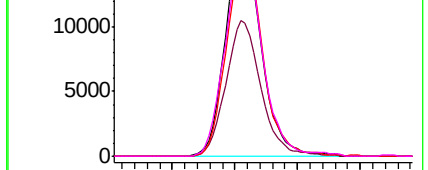
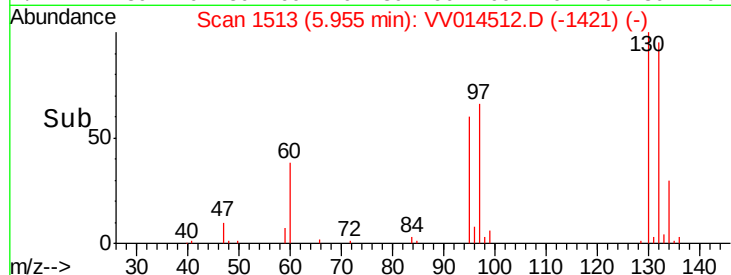
Abundance Ion 95.00 (94.70 to 95.70): VV014513.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV014513.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV014513.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV014513.D (-1500) (-)

Time-->



#35

Methylcyclohexane

Concen: 12.266 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

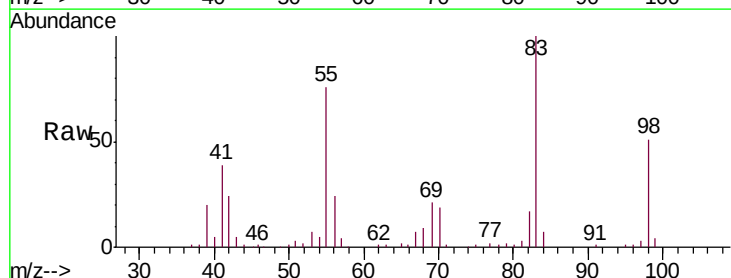
Tgt Ion: 83 Resp: 52311

Ion Ratio Lower Upper

83 100

55 74.7 60.7 91.1

98 48.3 39.4 59.0

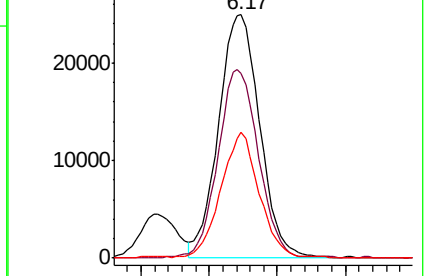
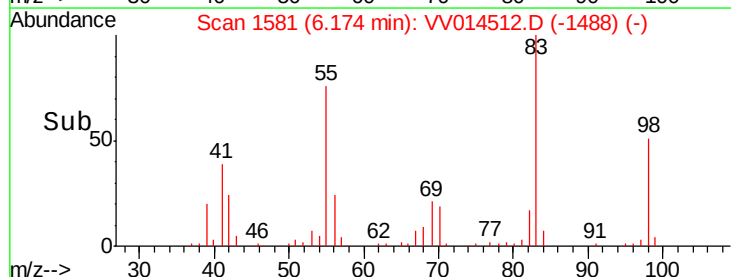


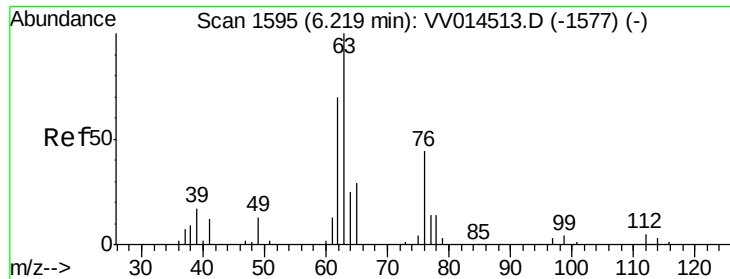
Abundance Ion 83.00 (82.70 to 83.70): VV014513.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV014513.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV014513.D (-1570) (-)

Time-->

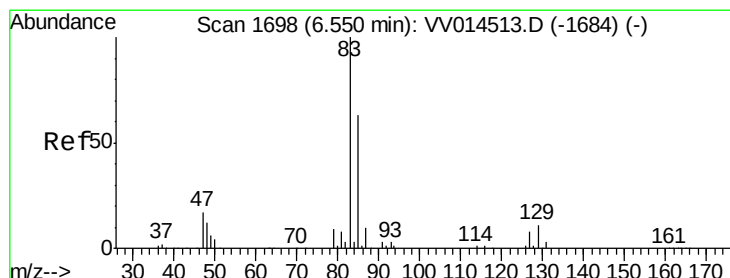
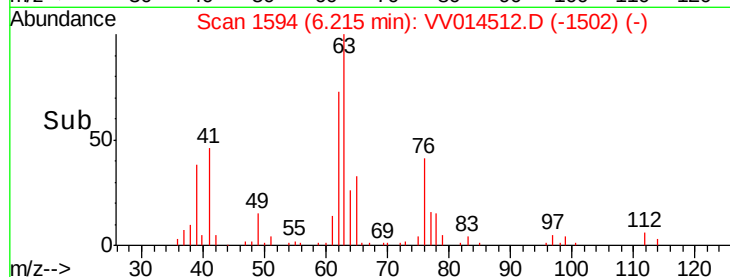
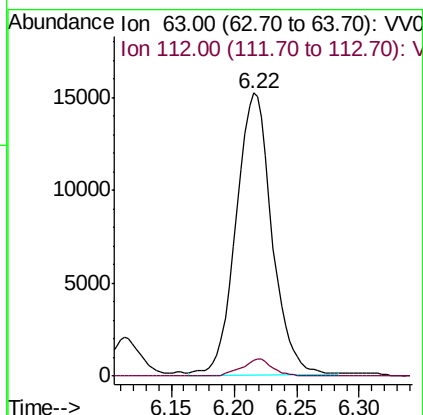
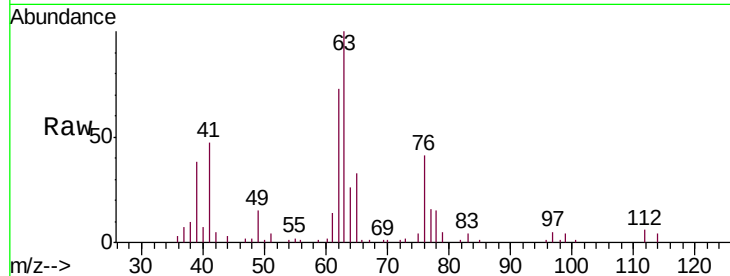




#37
 1,2-Dichloropropane
 Concen: 11.926 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014512.D
 Acq: 06 Feb 2020 10:45

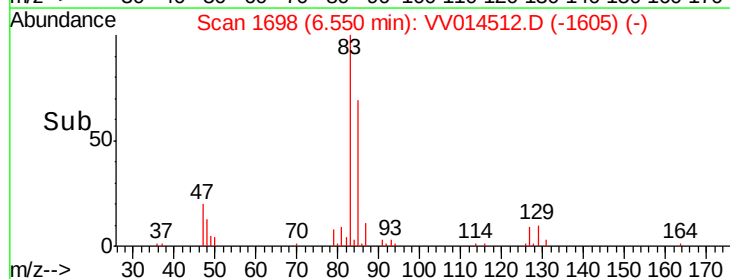
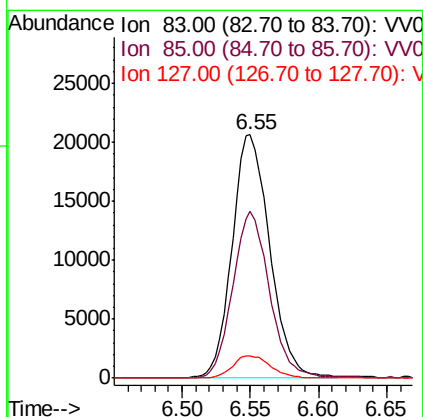
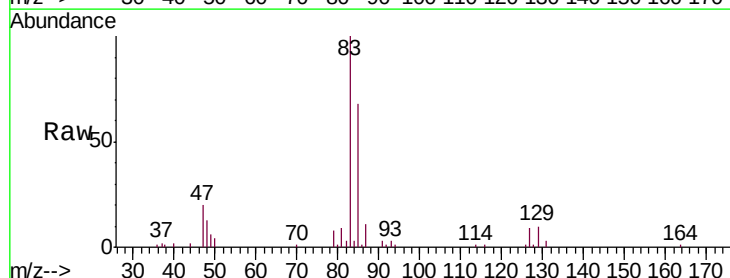
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010202

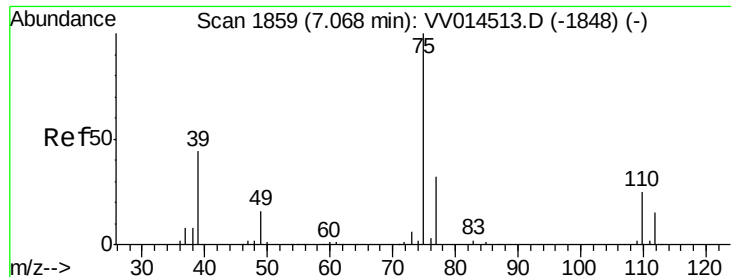
Tgt Ion: 63 Resp: 30101
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.7 5.5



#38
 Bromodichloromethane
 Concen: 10.375 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014512.D
 Acq: 06 Feb 2020 10:45

Tgt Ion: 83 Resp: 39719
 Ion Ratio Lower Upper
 83 100
 85 68.3 44.4 82.4
 127 9.0 6.7 10.1



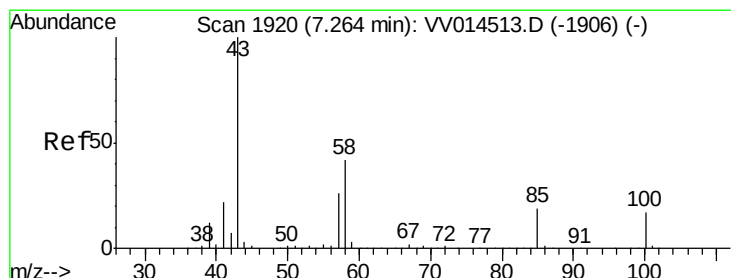
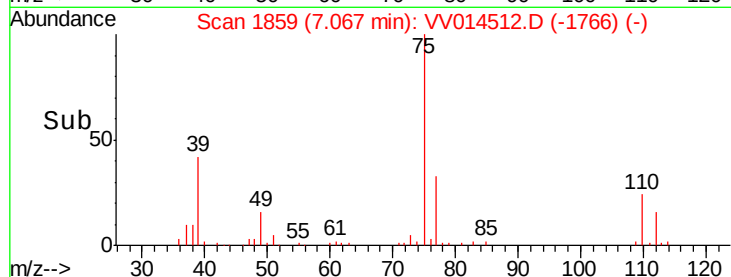
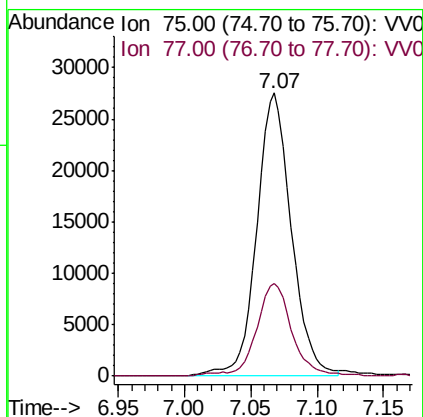
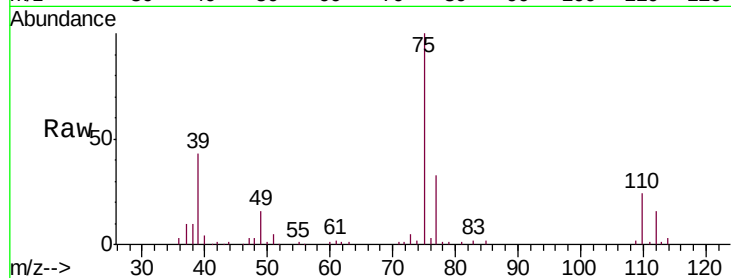


#39

cis-1,3-Dichloropropene
Concen: 11.358 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

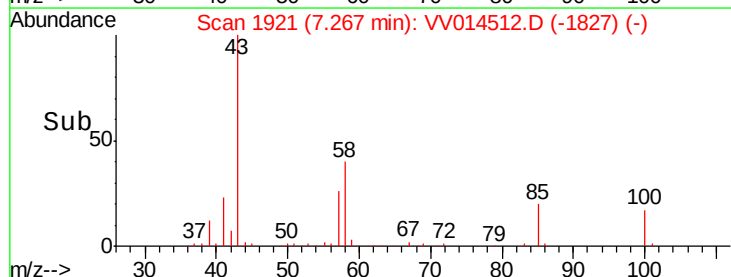
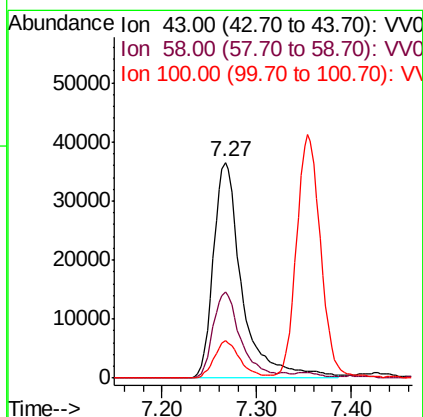
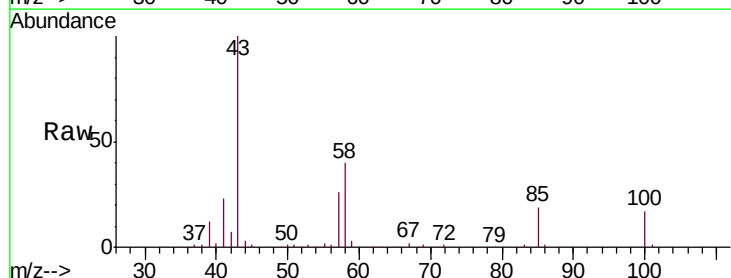
Tgt Ion: 75 Resp: 50070
Ion Ratio Lower Upper
75 100
77 32.9 22.7 42.1

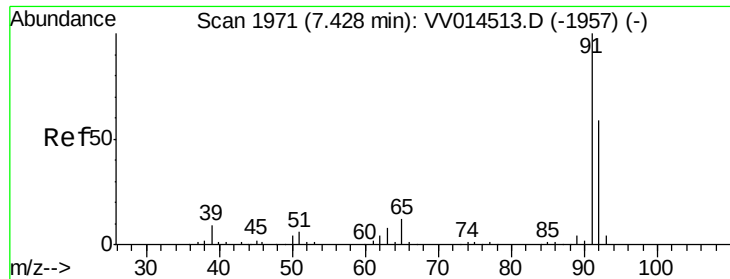


#40

4-Methyl-2-pentanone
Concen: 23.447 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Tgt Ion: 43 Resp: 76852
Ion Ratio Lower Upper
43 100
58 38.3 33.2 49.8
100 15.8 13.9 20.9





#42

Toluene

Concen: 11.553 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

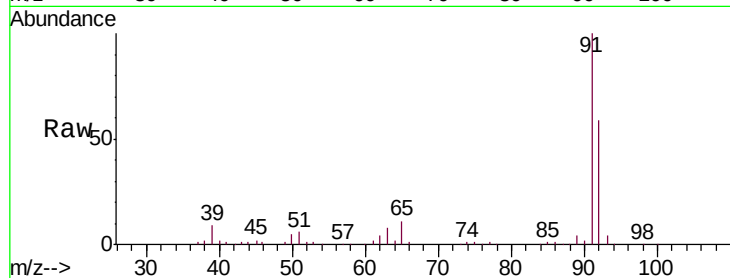
VSTD010202

Tgt Ion: 91 Resp: 130009

Ion Ratio Lower Upper

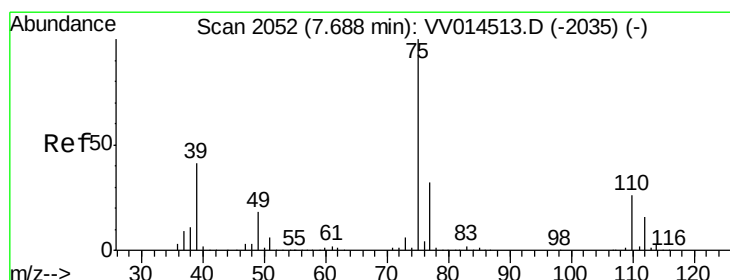
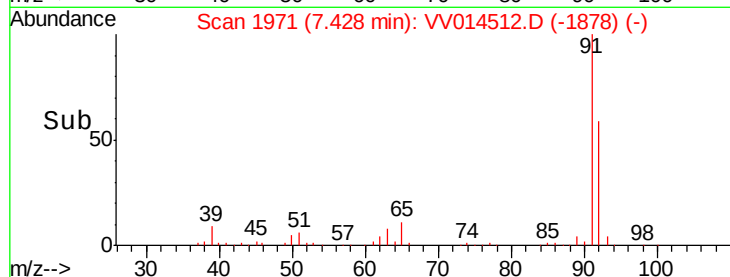
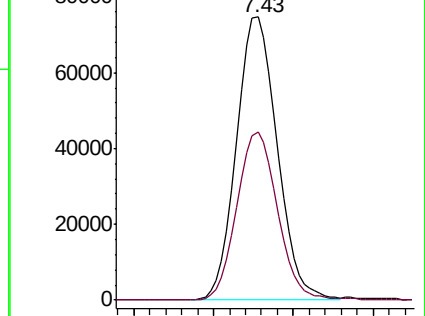
91 100

92 59.2 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 10.903 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014512.D

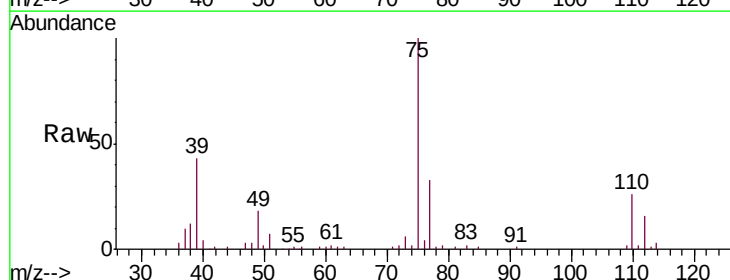
Acq: 06 Feb 2020 10:45

Tgt Ion: 75 Resp: 44761

Ion Ratio Lower Upper

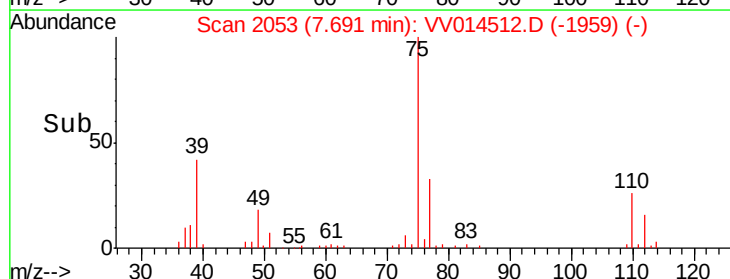
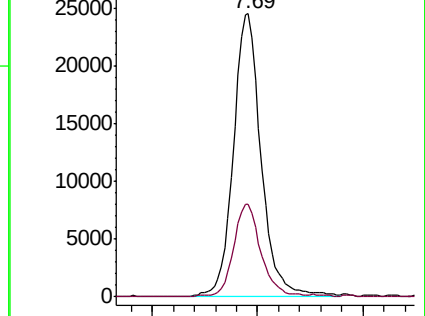
75 100

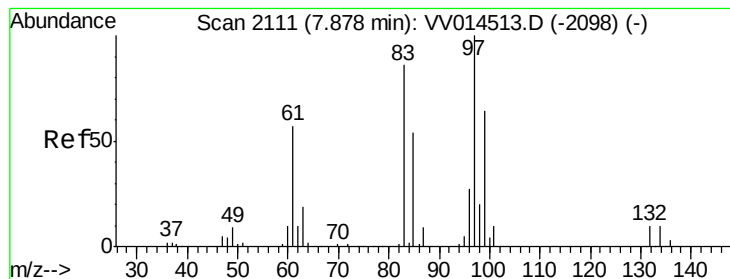
77 32.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 10.994 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD010202

Tgt Ion: 97 Resp: 29163

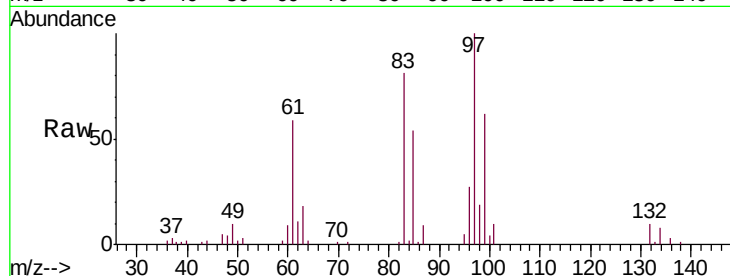
Ion Ratio Lower Upper

97 100

99 62.1 44.5 82.7

83 80.9 60.1 111.5

85 54.2 38.1 70.9



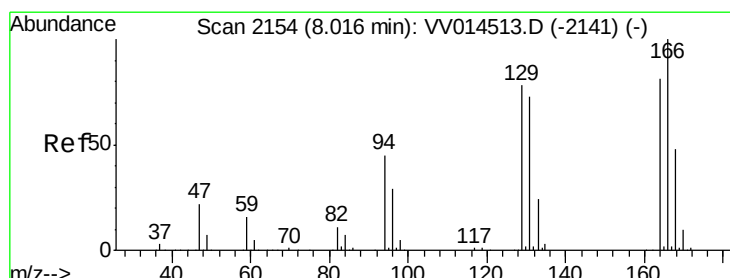
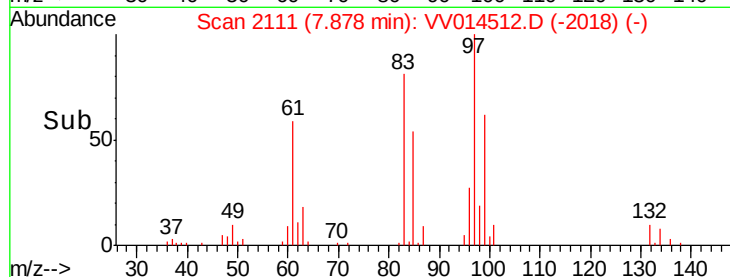
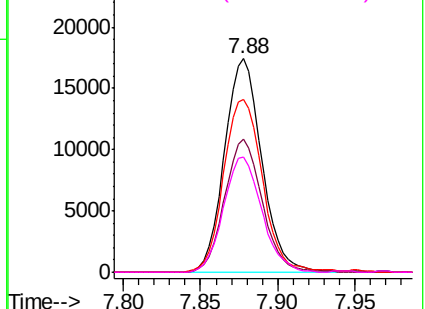
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 9.567 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Tgt Ion: 164 Resp: 24128

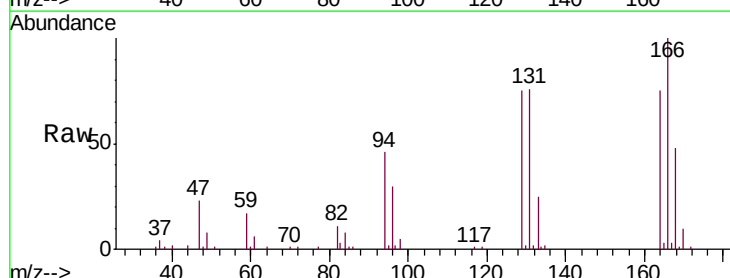
Ion Ratio Lower Upper

164 100

129 100.1 68.0 126.4

131 101.9 63.4 117.8

166 133.5 86.9 161.3



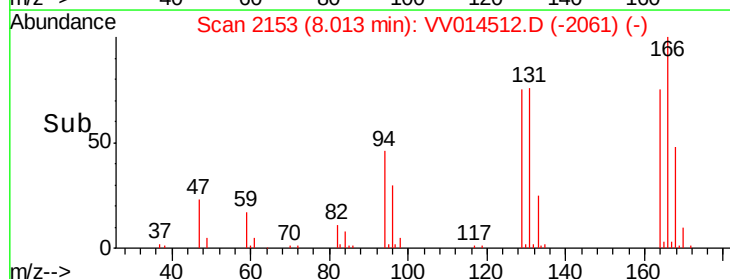
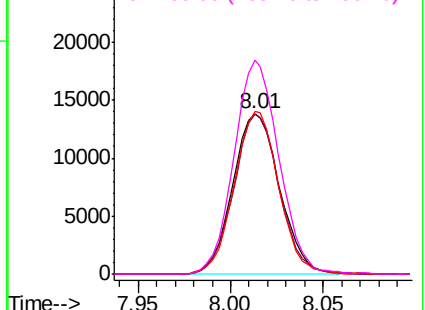
Abundance

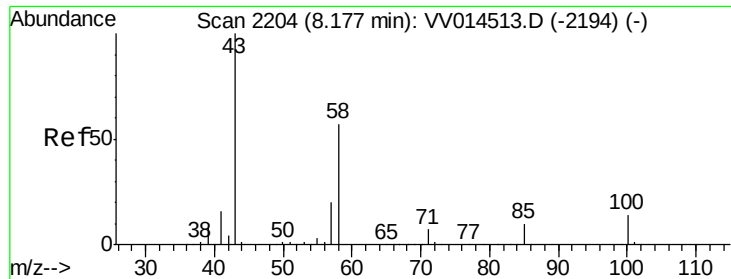
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

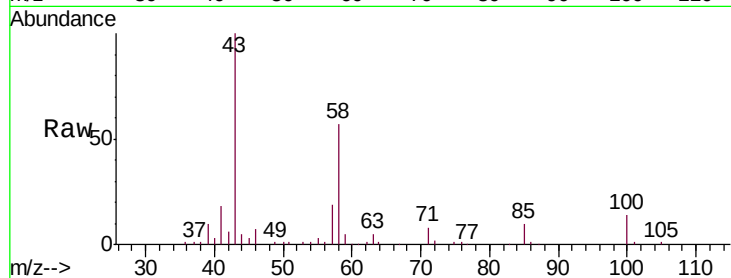




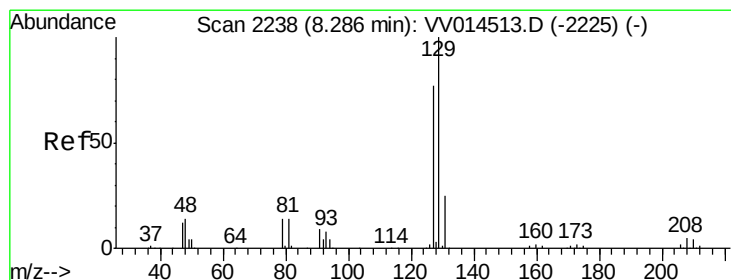
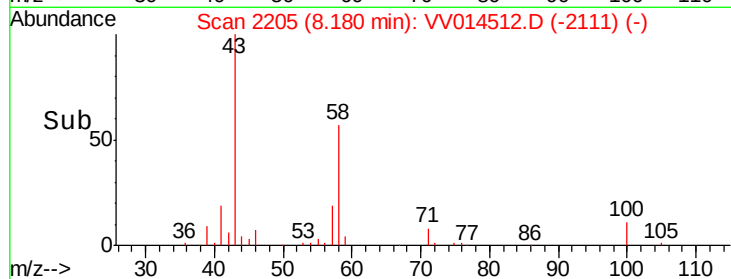
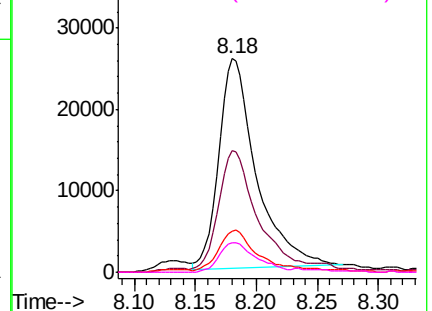
#48
2-Hexanone
Concen: 22.214 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

Tgt Ion: 43 Resp: 55576
Ion Ratio Lower Upper
43 100
58 60.1 45.5 68.3
57 19.2 15.8 23.6
100 13.8 10.8 16.2

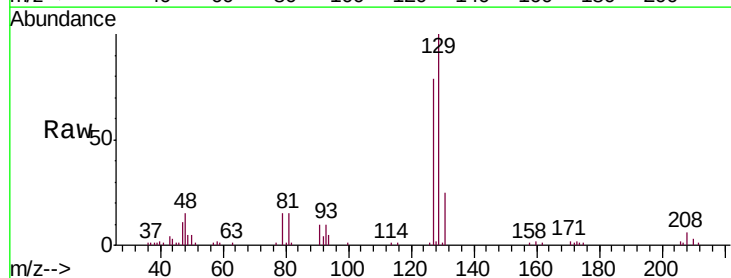


Abundance Ion 43.00 (42.70 to 43.70): VV014512.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VV014512.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VV014512.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VV014512.D (-2194) (-)

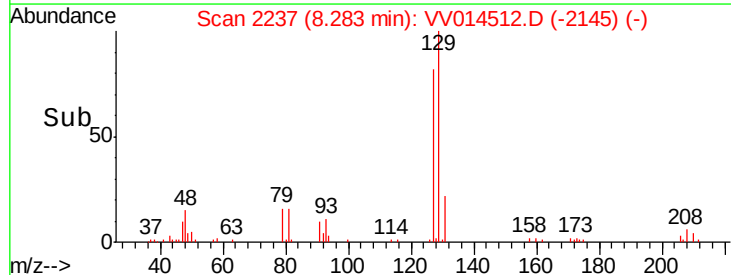
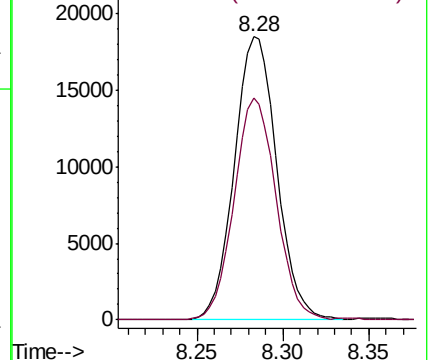


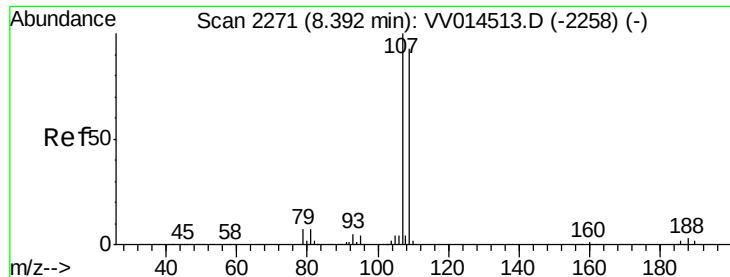
#49
Dibromochloromethane
Concen: 9.532 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Tgt Ion: 129 Resp: 31828
Ion Ratio Lower Upper
129 100
127 78.6 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VV014512.D (-2225) (-)
Ion 127.00 (126.70 to 127.70): VV014512.D (-2225) (-)

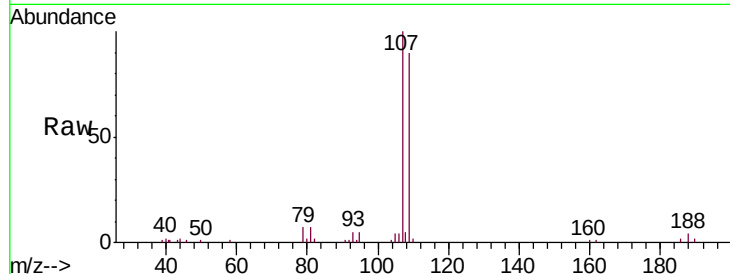




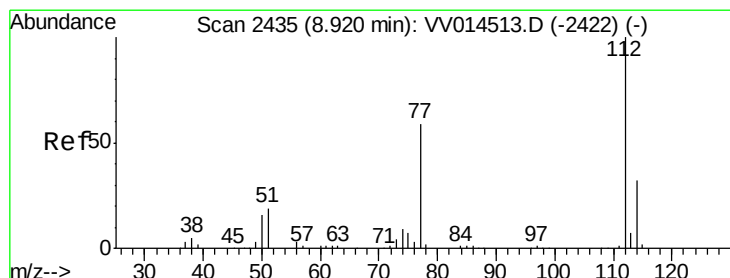
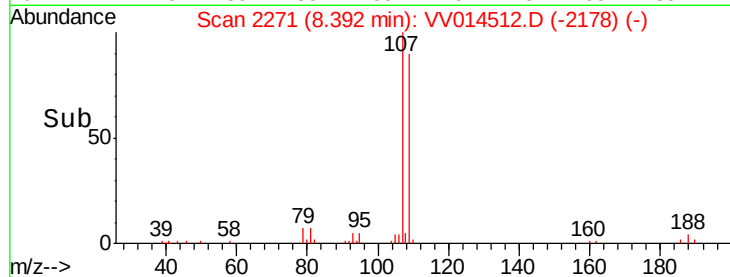
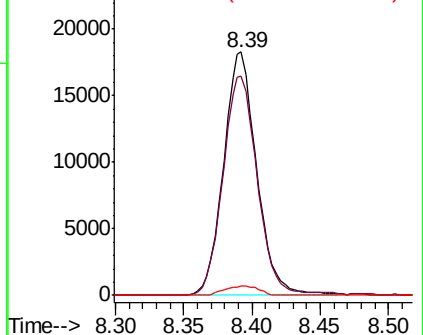
#50
1,2-Dibromoethane
Concen: 10.540 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

Tgt Ion:107 Resp: 30844
Ion Ratio Lower Upper
107 100
109 89.9 65.2 121.2
188 3.7 2.6 4.0

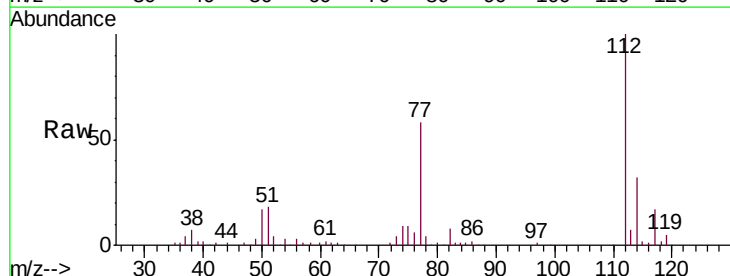


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

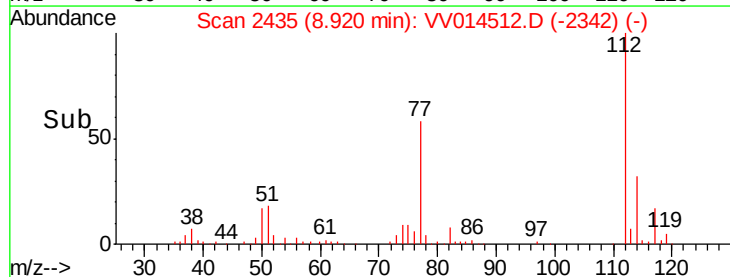
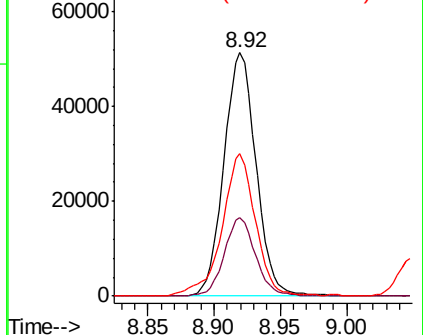


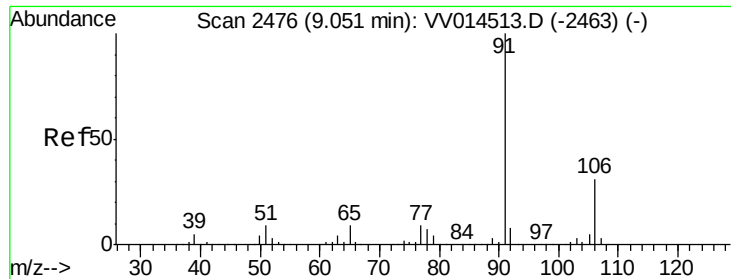
#51
Chlorobenzene
Concen: 11.493 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Tgt Ion:112 Resp: 86703
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 58.4 47.3 70.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 11.633 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

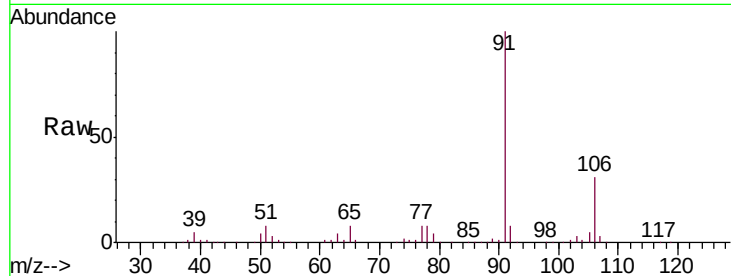
VSTD010202

Tgt Ion: 91 Resp: 147293

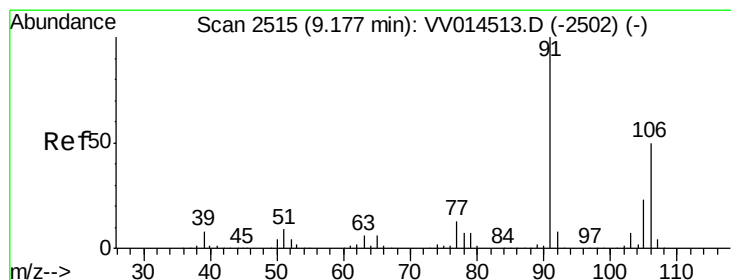
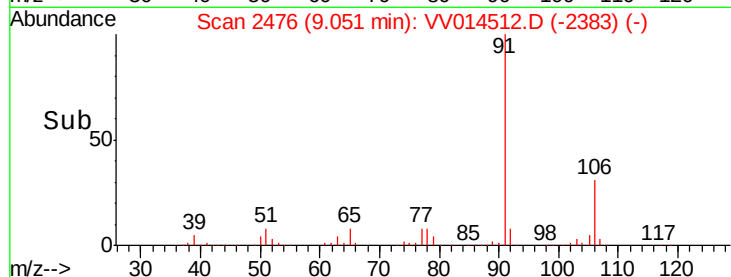
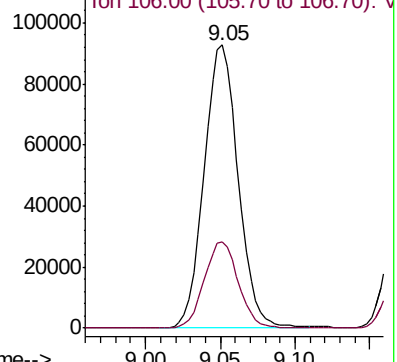
Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV014512.D (-2383) (-)



#53

m,p-Xylene

Concen: 11.702 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014512.D

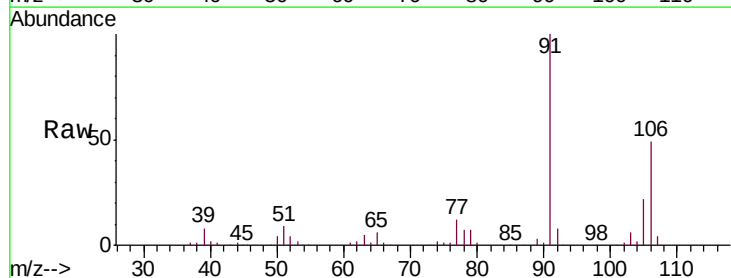
Acq: 06 Feb 2020 10:45

Tgt Ion: 106 Resp: 56912

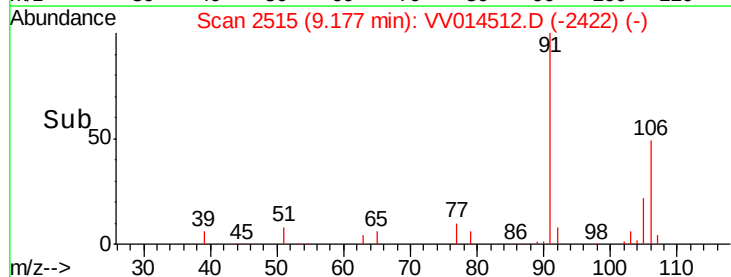
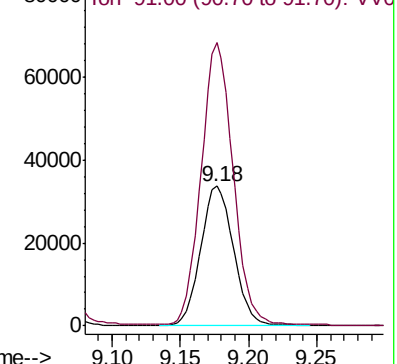
Ion Ratio Lower Upper

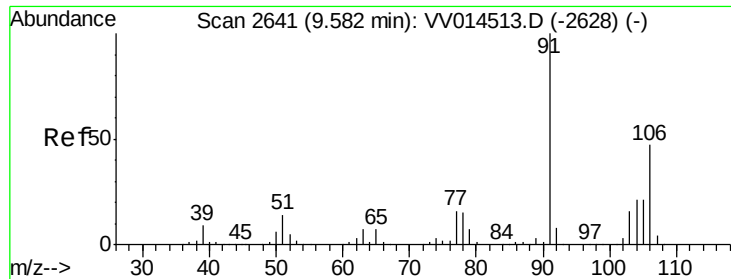
106 100

91 202.9 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): VV014512.D (-2422) (-)

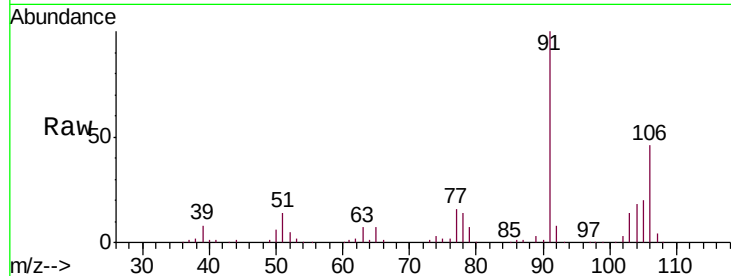




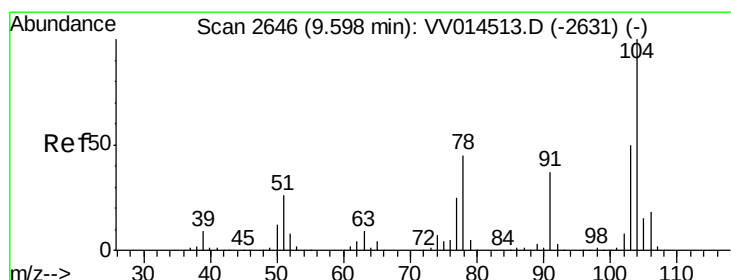
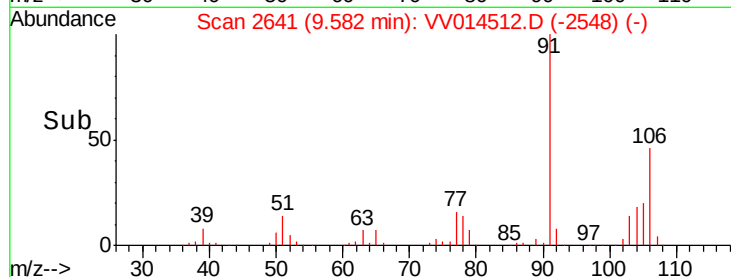
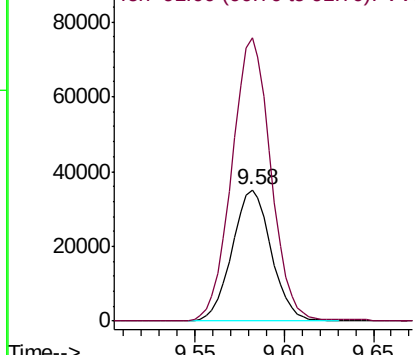
#54
o-Xylene
Concen: 11.245 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

Tgt Ion:106 Resp: 53936
Ion Ratio Lower Upper
106 100
91 215.7 149.4 277.4

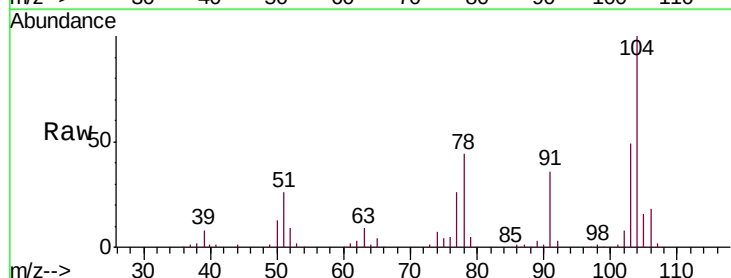


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

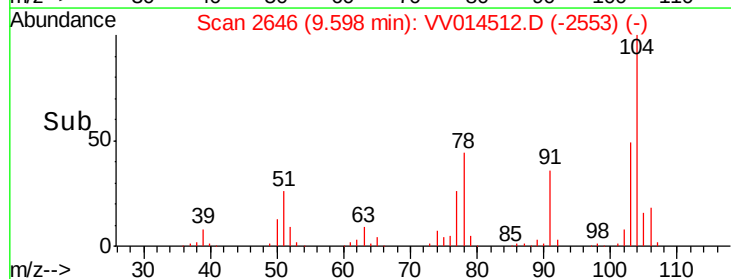
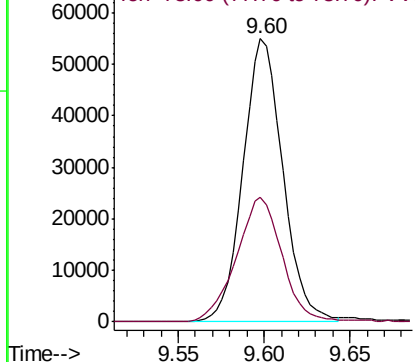


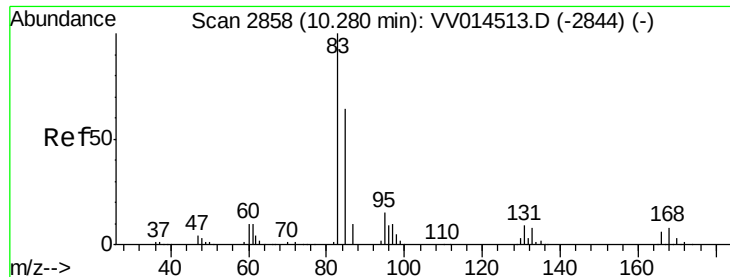
#55
Styrene
Concen: 10.917 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Tgt Ion:104 Resp: 88752
Ion Ratio Lower Upper
104 100
78 44.1 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 11.047 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD010202

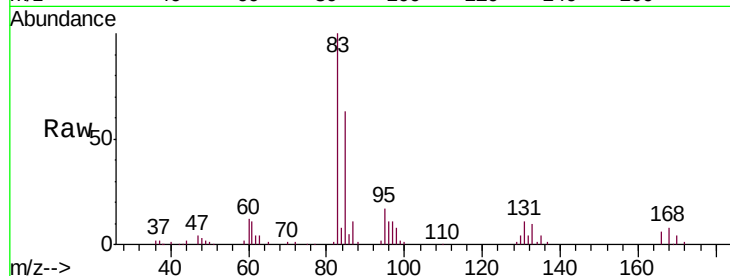
Tgt Ion: 83 Resp: 45384

Ion Ratio Lower Upper

83 100

85 63.1 45.2 84.0

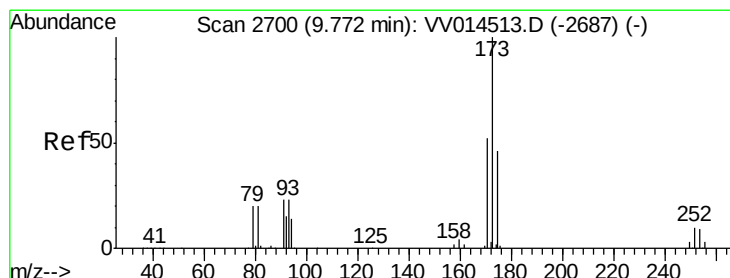
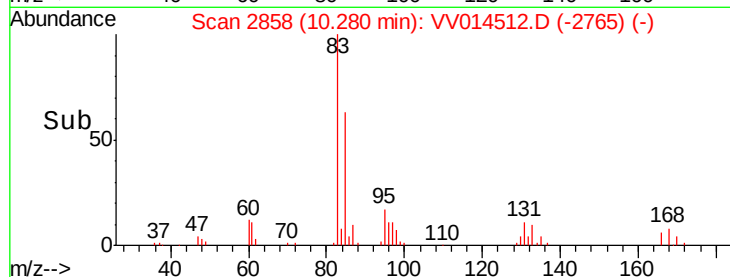
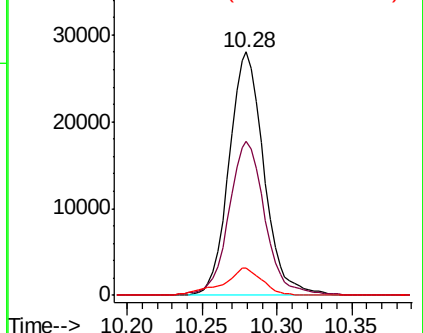
131 11.2 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VV014512.D (-2765) (-)

Ion 85.00 (84.70 to 85.70): VV014512.D (-2765) (-)

Ion 131.00 (130.70 to 131.70): VV014512.D (-2765) (-)



#59

Bromoform

Concen: 8.742 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

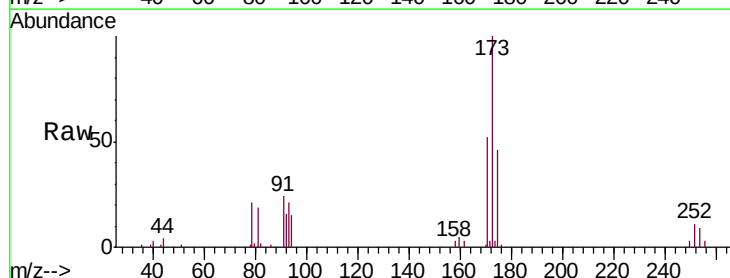
Tgt Ion: 173 Resp: 21545

Ion Ratio Lower Upper

173 100

175 46.5 37.8 56.8

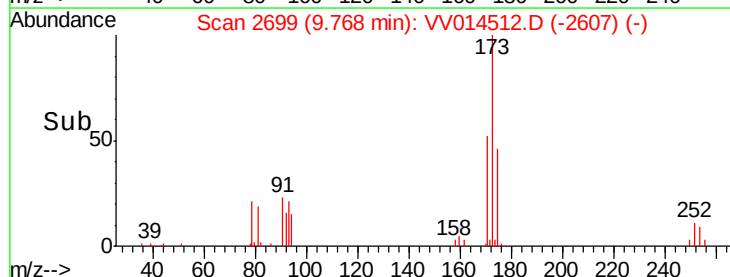
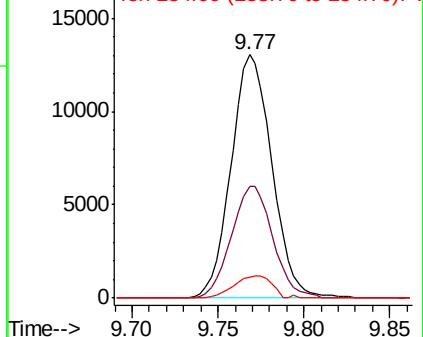
254 8.4 7.0 10.6

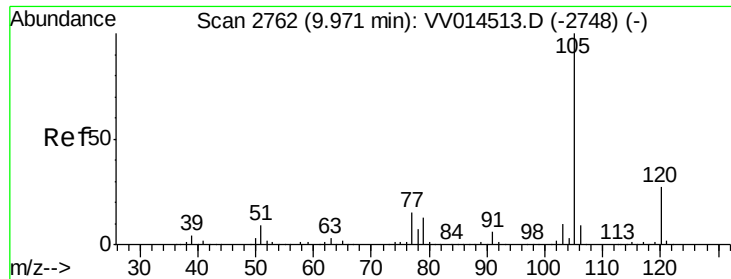


Abundance Ion 173.00 (172.70 to 173.70): VV014512.D (-2607) (-)

Ion 175.00 (174.70 to 175.70): VV014512.D (-2607) (-)

Ion 254.00 (253.70 to 254.70): VV014512.D (-2607) (-)





#60

Isopropylbenzene

Concen: 11.575 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD010202

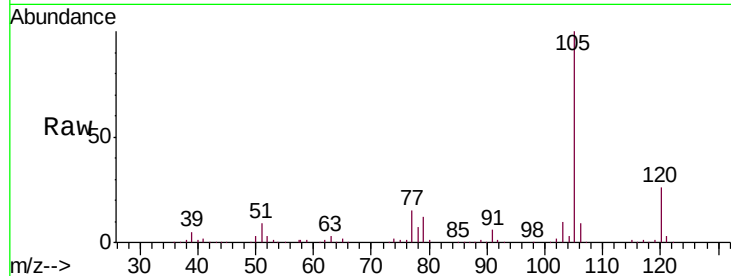
Tgt Ion: 105 Resp: 139910

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

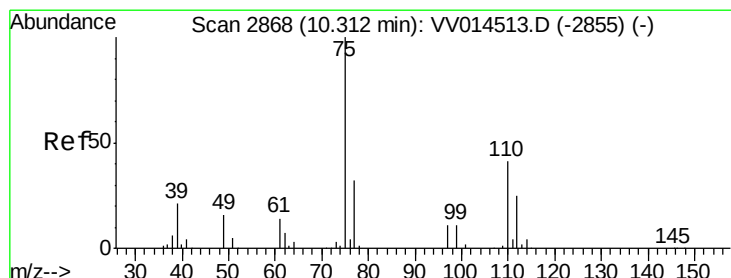
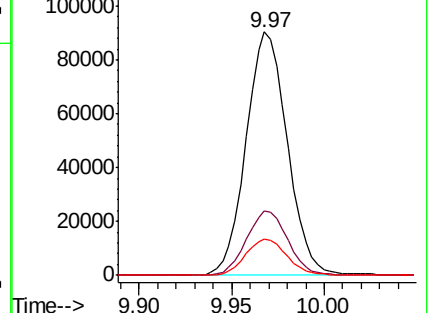
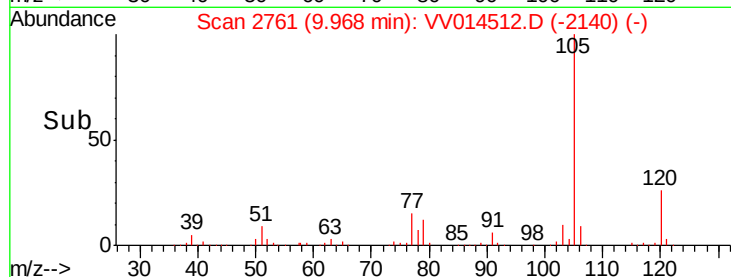
77 15.1 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 11.598 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

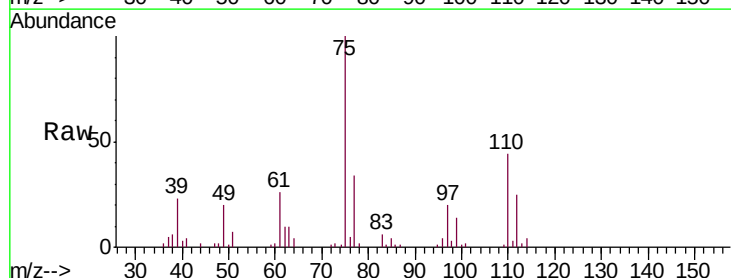
Tgt Ion: 75 Resp: 35592

Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.8

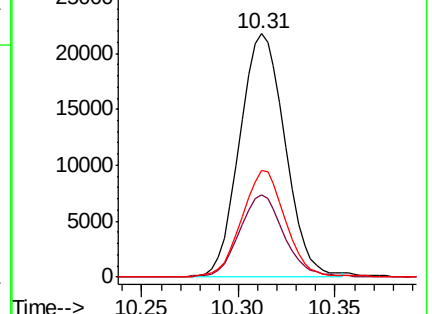
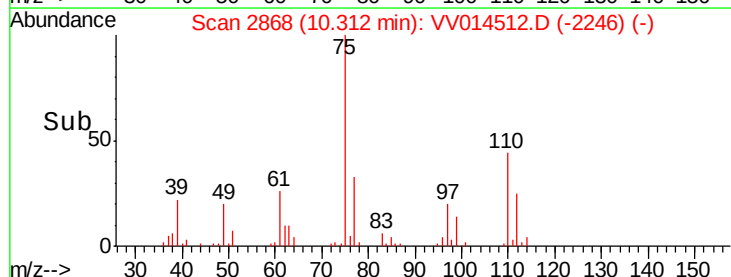
110 42.0 32.4 48.6

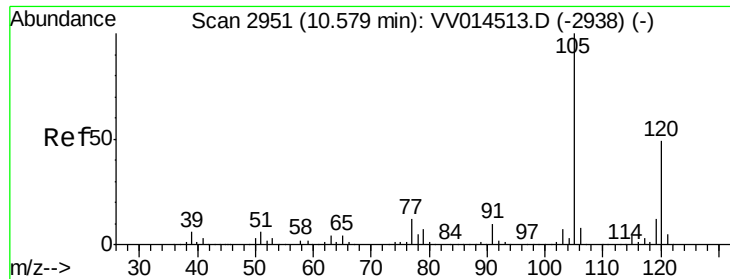


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 11.323 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VV014512.D

Acq: 06 Feb 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

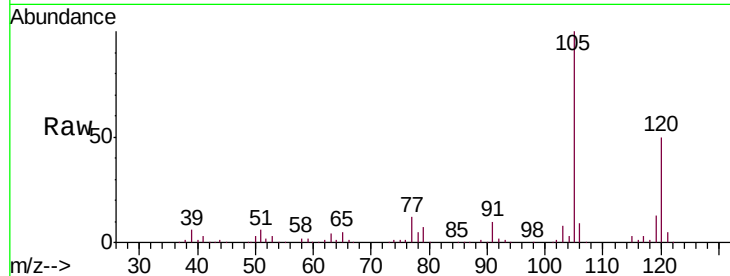
VSTD010202

Tgt Ion:105 Resp: 118356

Ion Ratio Lower Upper

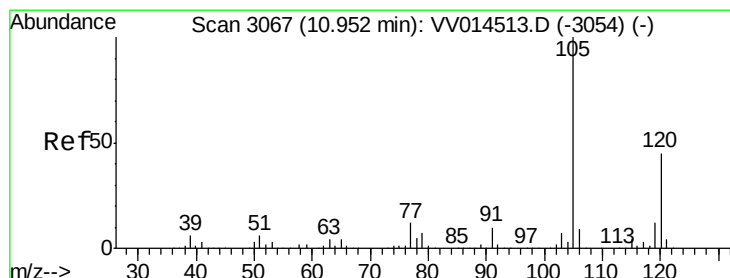
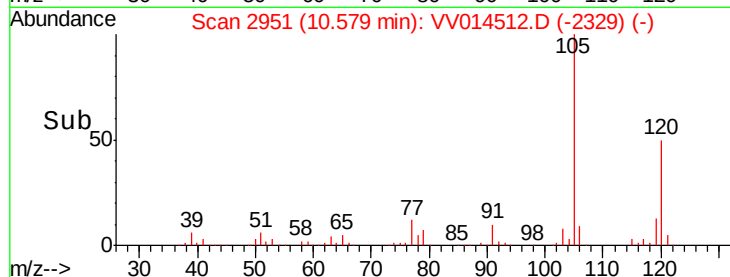
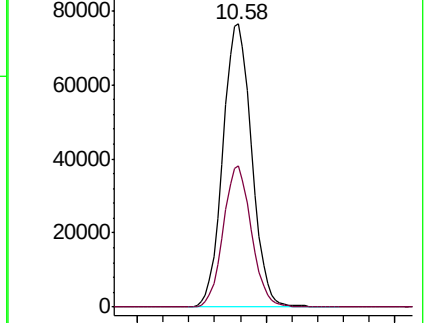
105 100

120 48.8 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 11.187 ug/L

RT: 10.95 min Scan# 3067

Delta R.T. -0.00 min

Lab File: VV014512.D

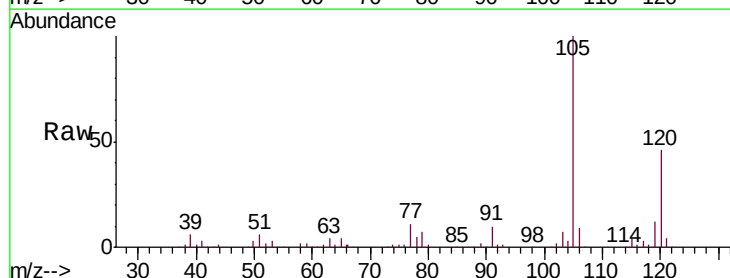
Acq: 06 Feb 2020 10:45

Tgt Ion:105 Resp: 115612

Ion Ratio Lower Upper

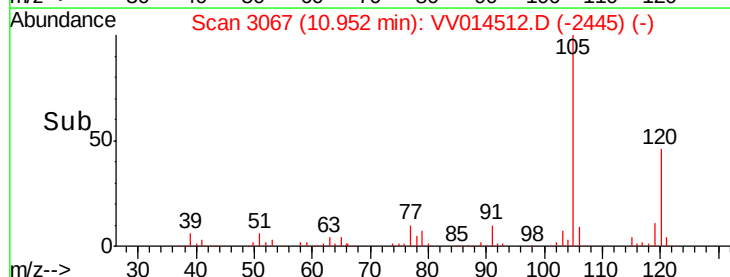
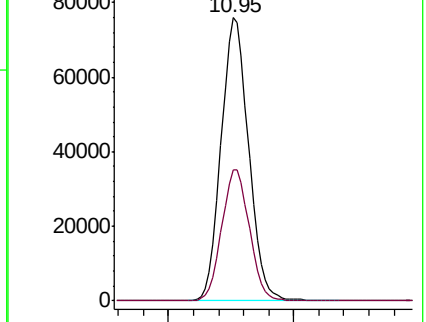
105 100

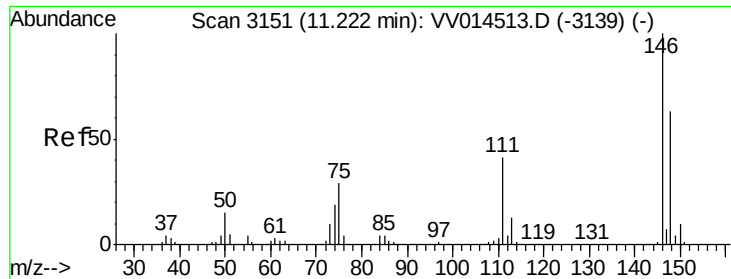
120 46.5 36.2 54.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

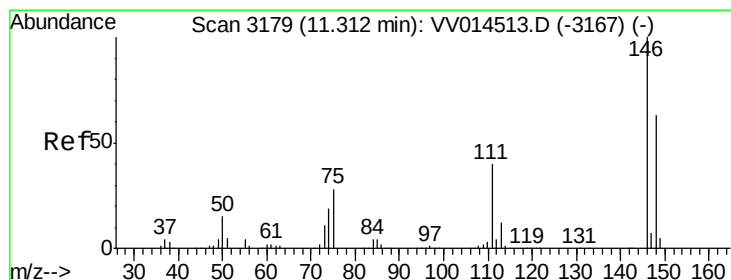
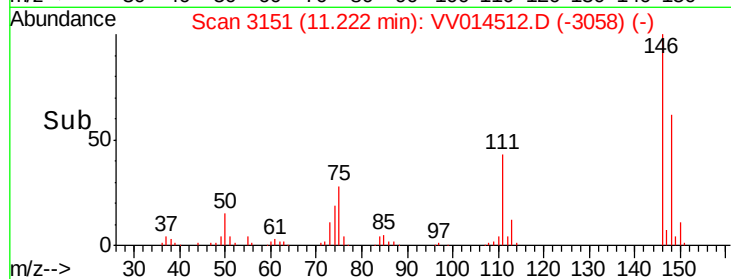
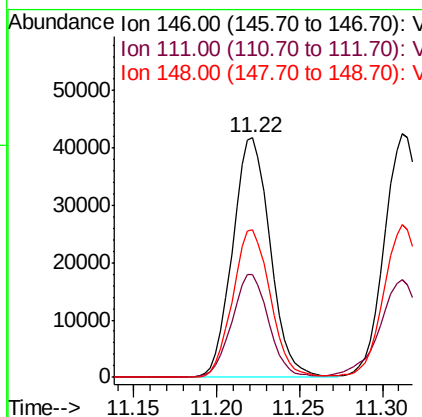
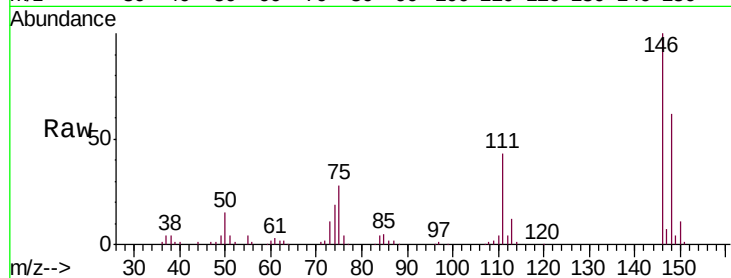




#64
 1,3-Dichlorobenzene
 Concen: 10.971 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV014512.D
 Acq: 06 Feb 2020 10:45

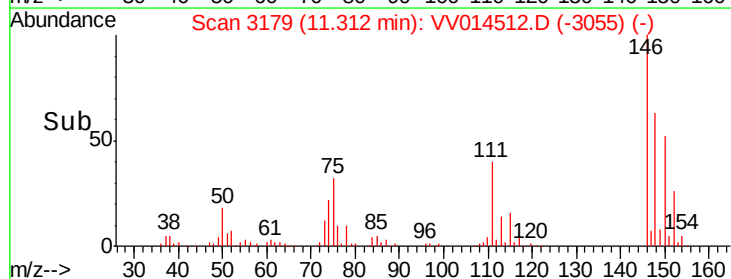
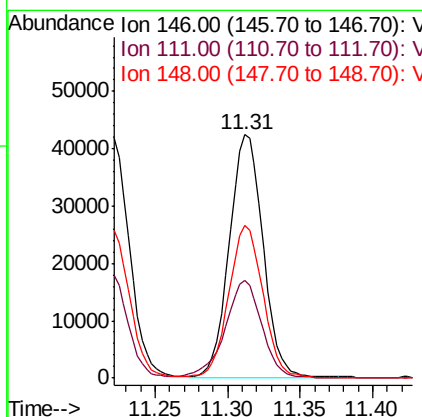
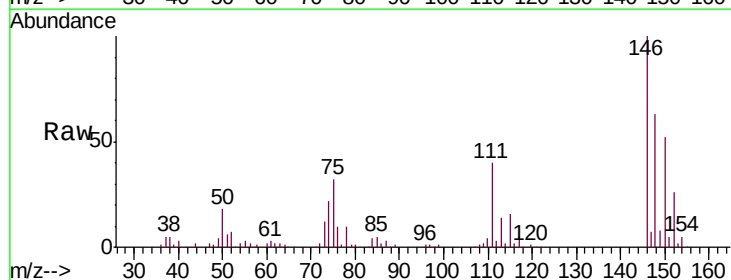
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010202

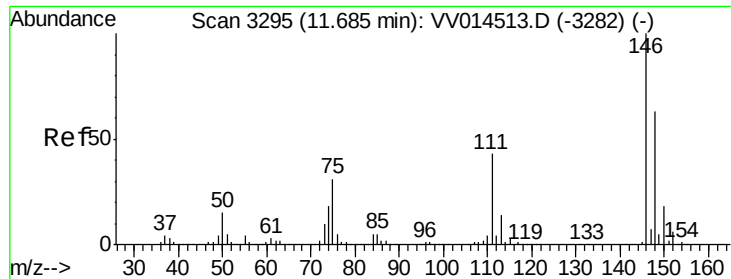
Tgt Ion:146 Resp: 66093
 Ion Ratio Lower Upper
 146 100
 111 42.8 28.9 53.7
 148 61.6 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 11.270 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014512.D
 Acq: 06 Feb 2020 10:45

Tgt Ion:146 Resp: 68918
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.1 52.3
 148 62.9 44.4 82.4

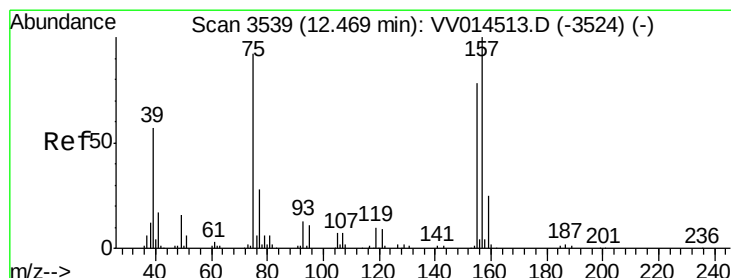
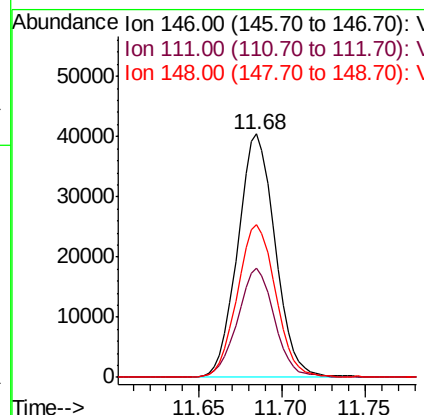
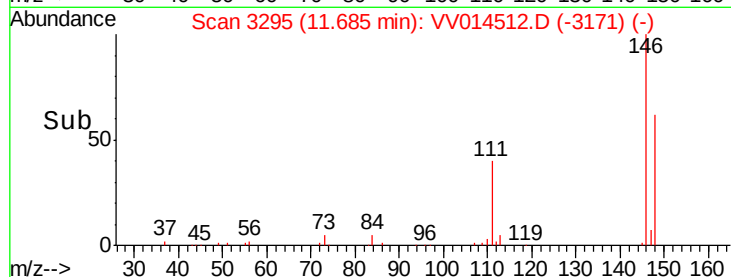
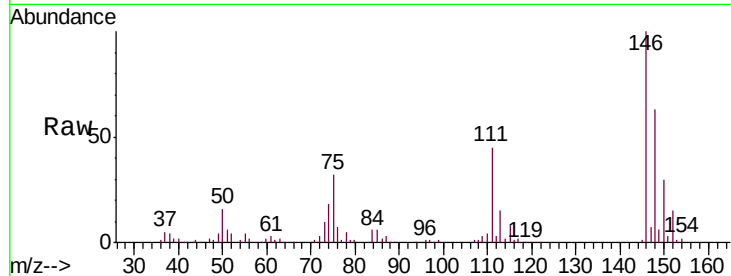




#67
 1,2-Dichlorobenzene
 Concen: 10.473 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014512.D
 Acq: 06 Feb 2020 10:45

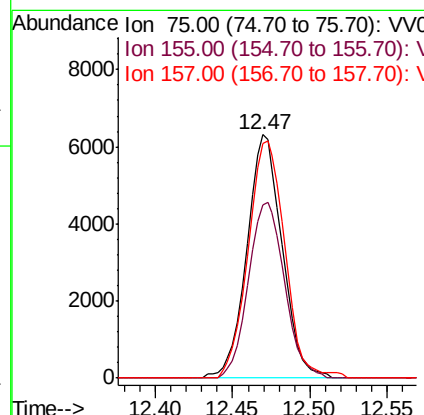
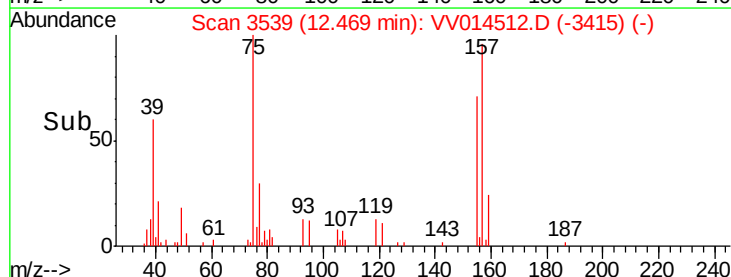
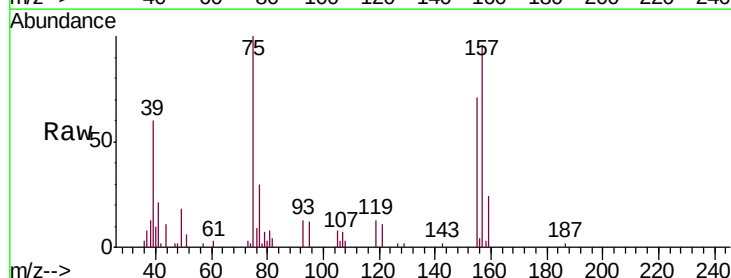
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD010202

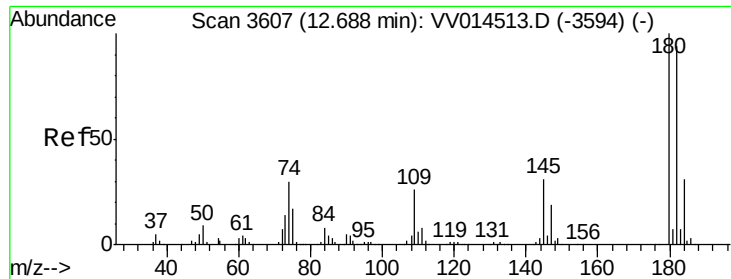
Tgt Ion: 146 Resp: 63612
 Ion Ratio Lower Upper
 146 100
 111 44.7 34.6 51.8
 148 62.7 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 10.230 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014512.D
 Acq: 06 Feb 2020 10:45

Tgt Ion: 75 Resp: 10012
 Ion Ratio Lower Upper
 75 100
 155 71.3 68.3 102.5
 157 96.3 87.1 130.7

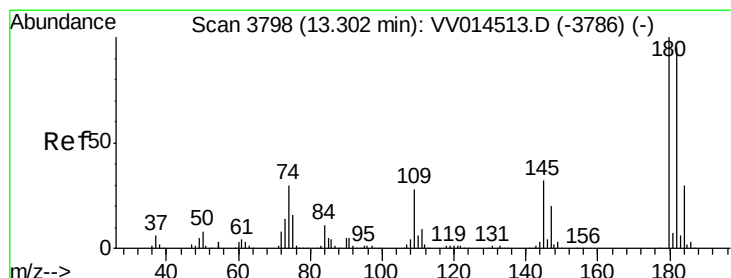
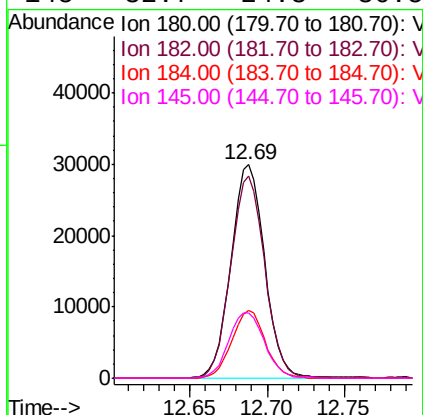
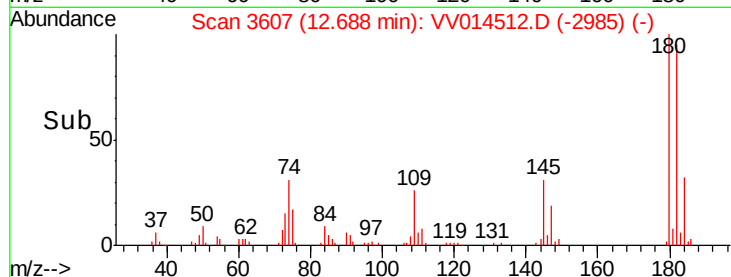
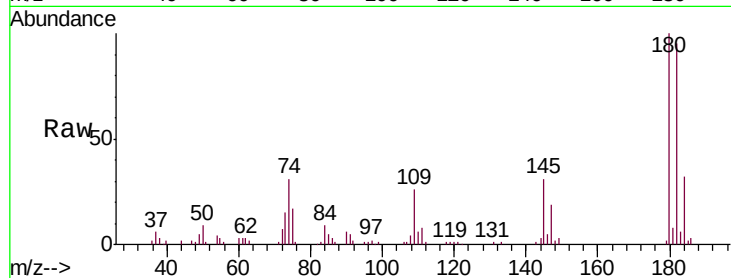




#69
 1,3,5-Trichlorobenzene
 Concen: 9.543 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014512.D
 Acq: 06 Feb 2020 10:45

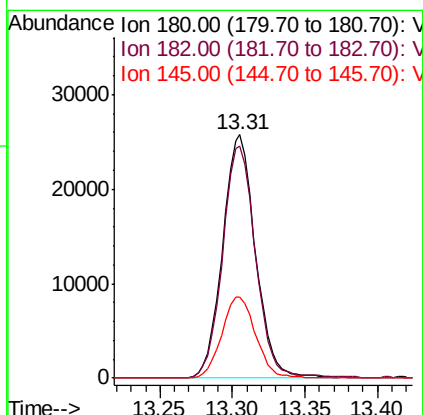
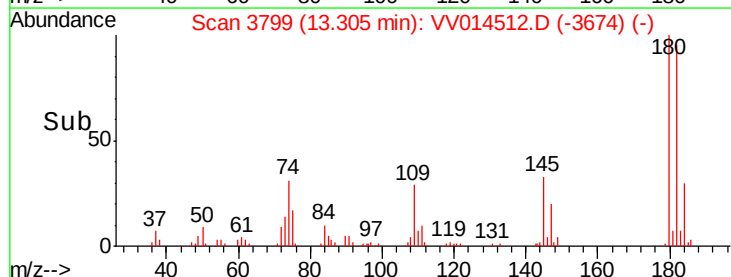
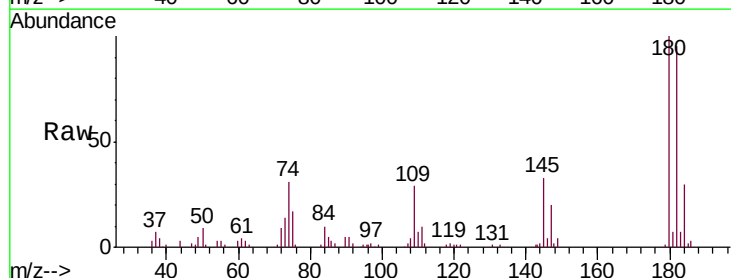
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010202

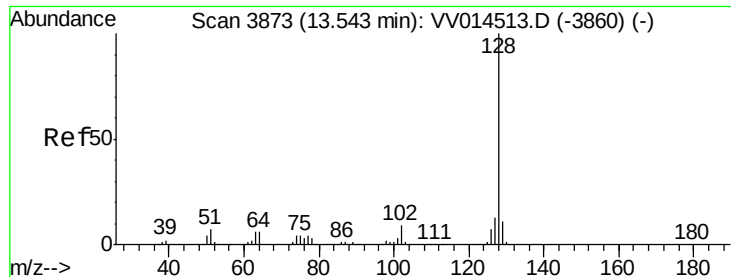
Tgt Ion:180 Resp: 45210
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.0 112.4
 184 31.6 24.2 36.2
 145 32.7 24.3 36.5



#70
 1,2,4-trichlorobenzene
 Concen: 9.698 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014512.D
 Acq: 06 Feb 2020 10:45

Tgt Ion:180 Resp: 40421
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 145 34.3 25.3 37.9

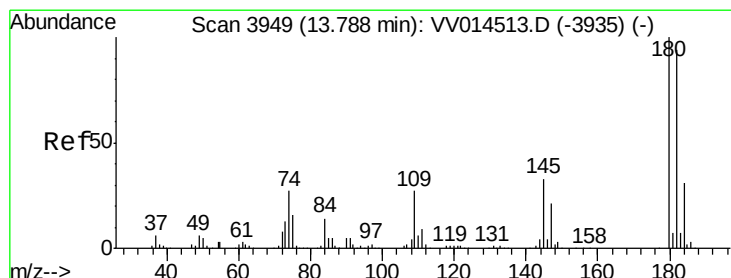
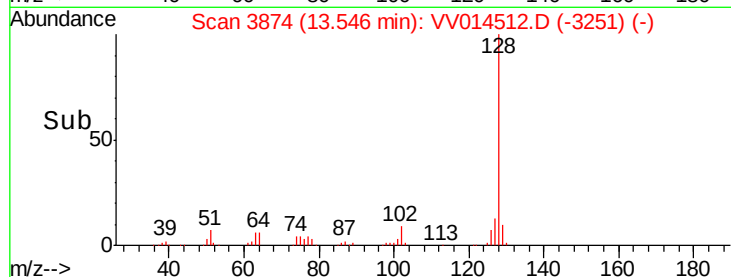
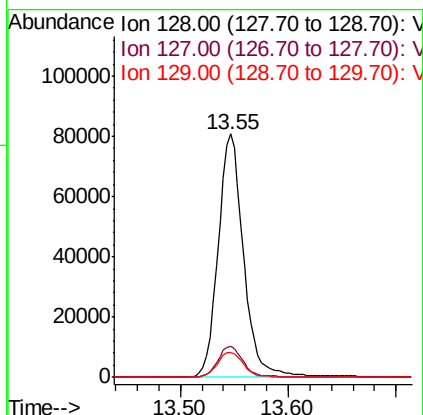
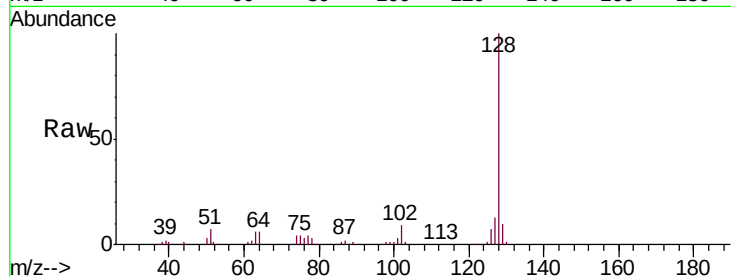




#71
Naphthalene
Concen: 11.834 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD010202

Tgt Ion:128 Resp: 131811
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 9.506 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV014512.D
Acq: 06 Feb 2020 10:45

Tgt Ion:180 Resp: 39353
Ion Ratio Lower Upper
180 100
182 96.1 75.2 112.8
145 32.9 27.1 40.7

