

Data File : VV014750.D
Acq On : 05 Mar 2020 10:07
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB42

Quant Time: Mar 06 02:02:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Mar 05 15:29:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	254017	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	242390	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	124191	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71484	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.58	69	61797	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.12	63	135889	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.40%
20) 2-Butanone-d5	3.98	46	177520	43.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.38%
24) Chloroform-d	4.39	84	161896	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.07	65	82996	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.09	84	319967	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.11	67	97592	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.35	98	286877	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	7.66	79	37684	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.14	63	152401	44.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	74866	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	108375	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	124033	4.446 ug/L	100
3) Chloromethane	1.25	50	105518	4.107 ug/L	99
5) Vinyl chloride	1.32	62	100984	4.276 ug/L	100
6) Bromomethane	1.53	94	58906	4.426 ug/L	93
8) Chloroethane	1.60	64	54481	4.118 ug/L	98
9) Trichlorofluoromethane	1.77	101	148886	4.628 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	80544	4.784 ug/L	96
12) 1,1-Dichloroethene	2.13	96	77199	4.823 ug/L	87
13) Acetone	2.26	43	60874	22.006 ug/L	83
14) Carbon disulfide	2.31	76	238311	4.366 ug/L	99
15) Methyl Acetate	2.47	43	32408	4.616 ug/L	95
16) Methylene chloride	2.53	84	90836	4.537 ug/L	94
17) Methyl tert-butyl Ether	2.80	73	199712	4.586 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	90978	4.702 ug/L	95
19) 1,1-Dichloroethane	3.22	63	173948	4.595 ug/L	99
21) 2-Butanone	4.06	43	205814	43.716 ug/L	89
22) cis-1,2-Dichloroethene	3.95	96	96092	4.646 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Mar 05 15:29:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	39608	4.771	ug/L	91
25) Chloroform	4.42	83	177877	4.788	ug/L	100
27) 1,2-Dichloroethane	5.17	62	103902	4.567	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	153134	4.792	ug/L	97
30) Cyclohexane	4.71	56	160674	4.467	ug/L	97
31) Carbon tetrachloride	4.87	117	130948	4.757	ug/L	99
33) Benzene	5.14	78	377183	4.739	ug/L	100
34) Trichloroethene	5.95	95	98458	4.723	ug/L	97
35) Methylcyclohexane	6.17	83	161621	4.558	ug/L	99
37) 1,2-Dichloropropane	6.21	63	94055	4.626	ug/L	98
38) Bromodichloromethane	6.55	83	119245	4.808	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	139312	4.730	ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	547783	44.995	ug/L	96
42) Toluene	7.42	91	408302	4.844	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	105605	4.621	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	61623	4.747	ug/L	96
47) Tetrachloroethene	8.01	164	81171	4.869	ug/L	95
48) 2-Hexanone	8.19	43	403862	46.559	ug/L	97
49) Dibromochloromethane	8.28	129	73132	4.983	ug/L	94
50) 1,2-Dibromoethane	8.39	107	58462	4.718	ug/L	97
51) Chlorobenzene	8.92	112	256249	4.802	ug/L	99
52) Ethylbenzene	9.05	91	452627	4.736	ug/L	99
53) m,p-xylene	9.17	106	169554	4.846	ug/L	98
54) o-xylene	9.58	106	165903	4.871	ug/L	100
55) Styrene	9.60	104	275478	4.814	ug/L	99
56) Isopropylbenzene	9.97	105	446305	4.851	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	76597	4.719	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	55679	4.688	ug/L	99
61) Bromoform	9.77	173	40917	5.599	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	209812	4.942	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	208139	4.798	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	191700	4.887	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	12271	4.727	ug/L	92
67) 1,3,5-Trichlorobenzene	12.68	180	167308	4.856	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	136046	4.598	ug/L	99
69) Naphthalene	13.54	128	213215	4.427	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	121947	4.618	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
BFB42

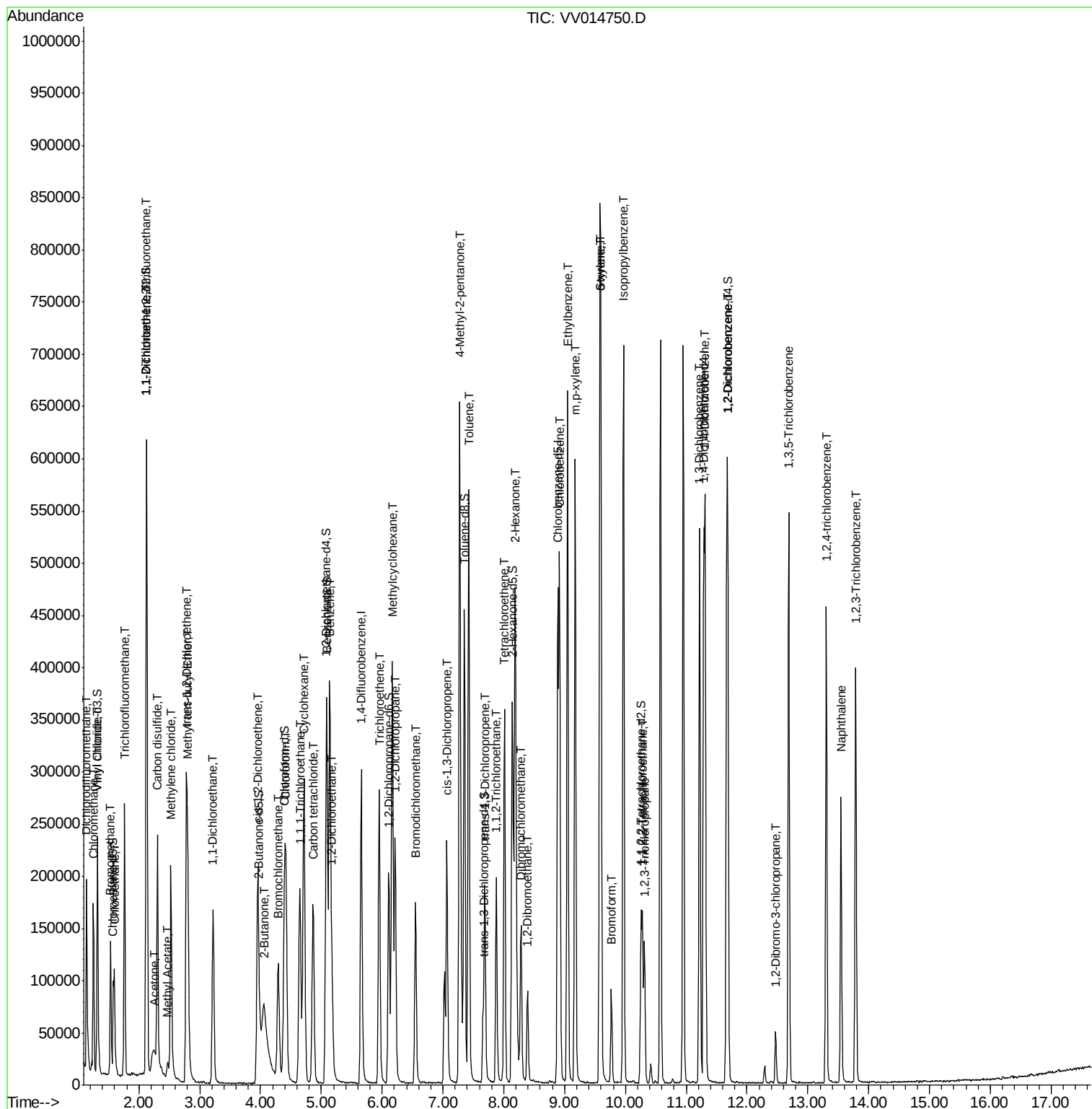
Quant Time: Mar 06 02:02:24 2020

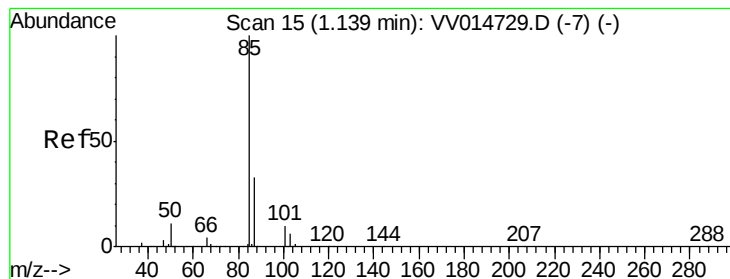
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR022820WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.446 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

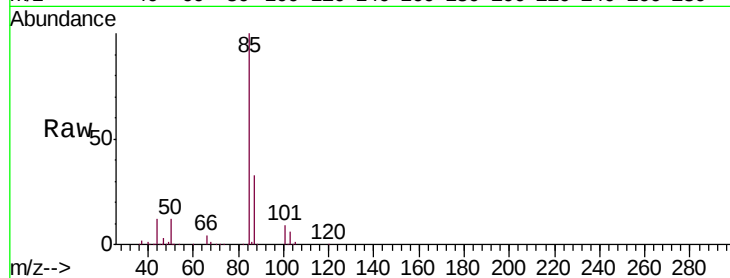
BFB42

Tgt Ion: 85 Resp: 124033

Ion Ratio Lower Upper

85 100

87 32.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014729.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014729.D (-7) (-)

1.14

100000

80000

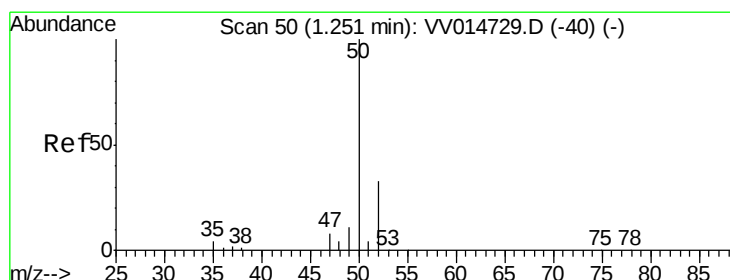
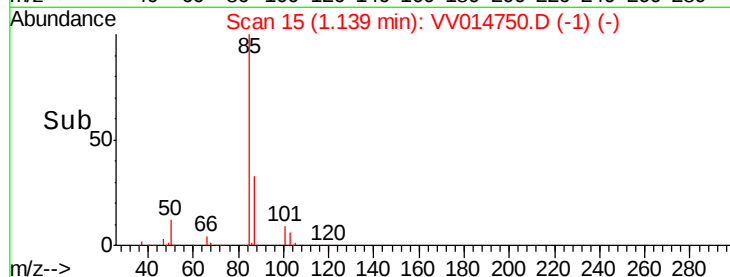
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.107 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014750.D

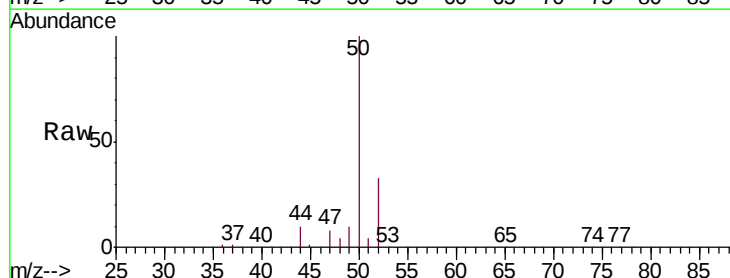
Acq: 05 Mar 2020 10:07

Tgt Ion: 50 Resp: 105518

Ion Ratio Lower Upper

50 100

52 33.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV014729.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV014729.D (-40) (-)

1.25

120000

100000

80000

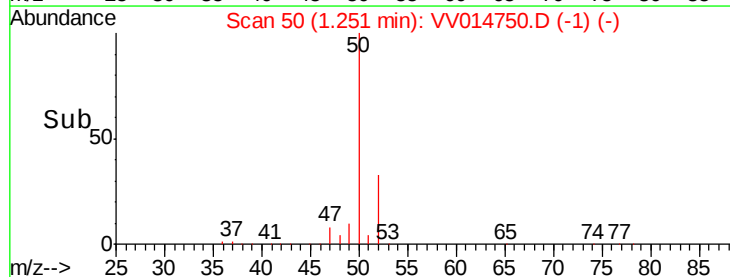
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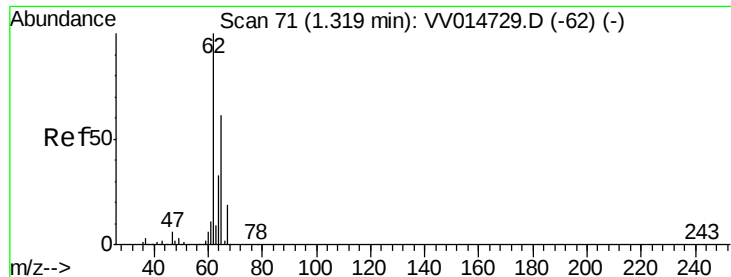
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.276 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

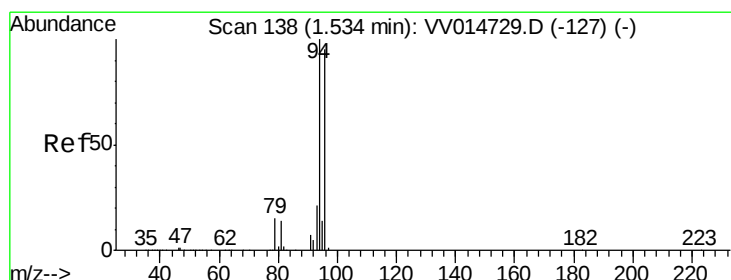
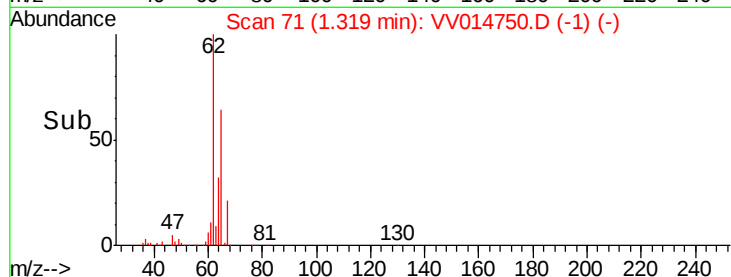
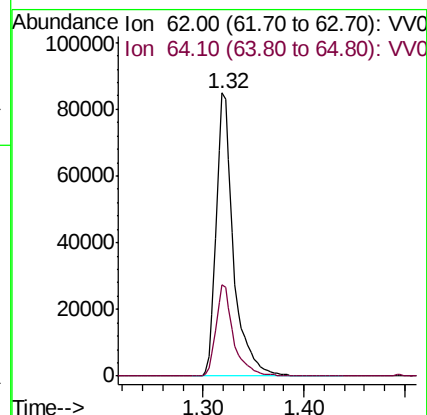
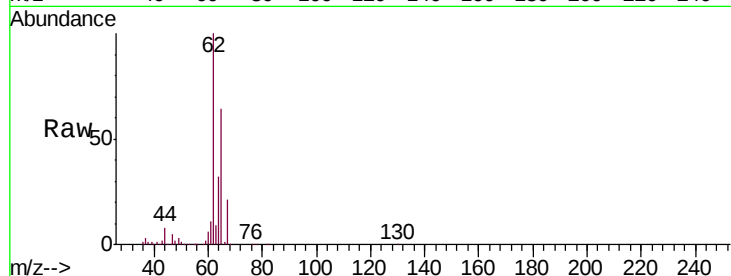
BFB42

Tgt Ion: 62 Resp: 100984

Ion Ratio Lower Upper

62 100

64 32.2 22.4 41.6



#6

Bromomethane

Concen: 4.426 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014750.D

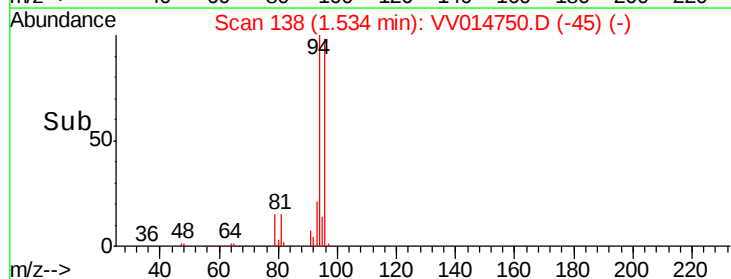
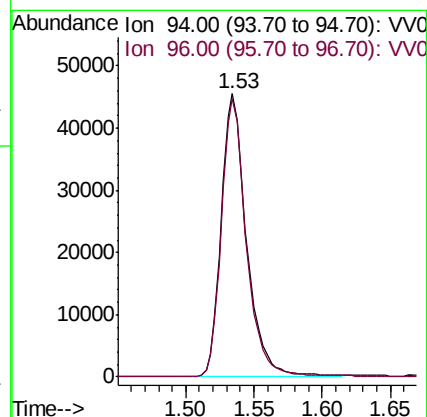
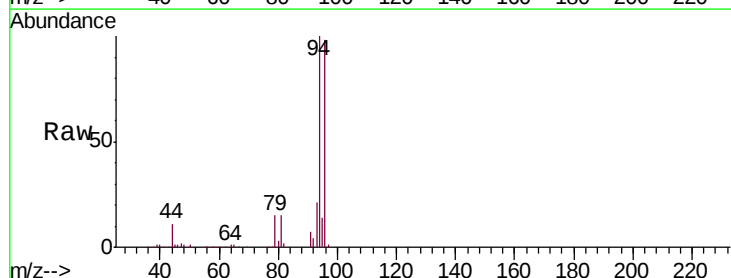
Acq: 05 Mar 2020 10:07

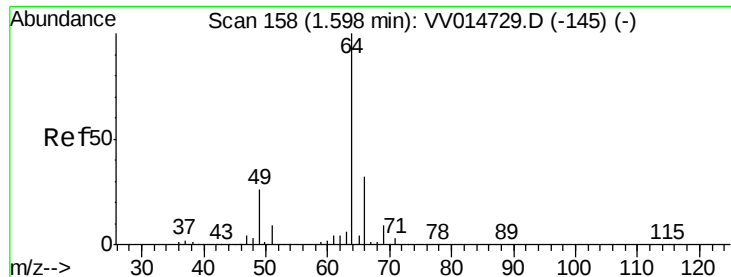
Tgt Ion: 94 Resp: 58906

Ion Ratio Lower Upper

94 100

96 98.3 64.3 119.5





#8

Chloroethane

Concen: 4.118 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

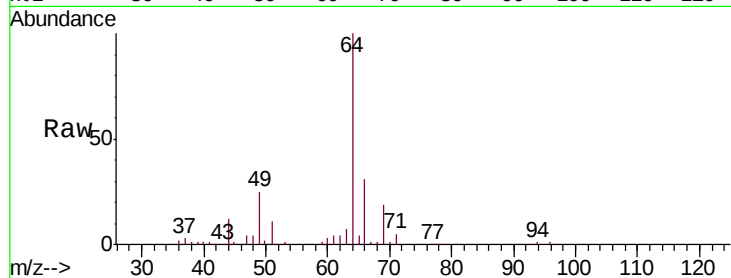
BFB42

Tgt Ion: 64 Resp: 54481

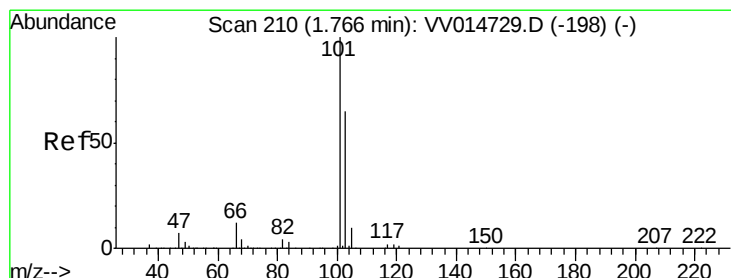
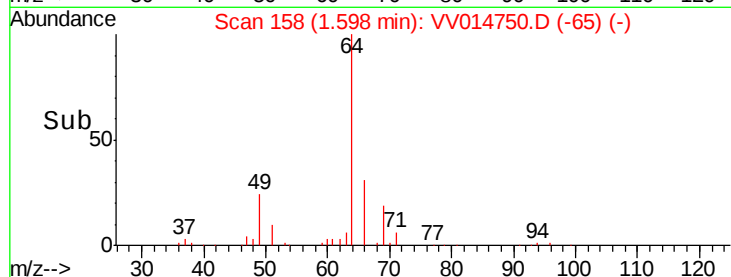
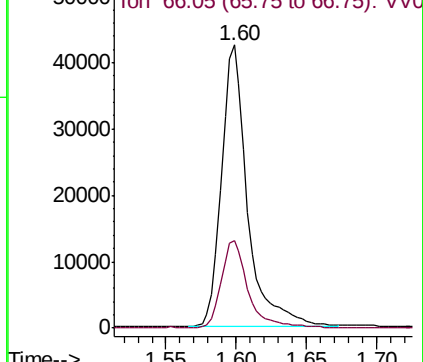
Ion Ratio Lower Upper

64 100

66 31.0 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VV014729.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 4.628 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014750.D

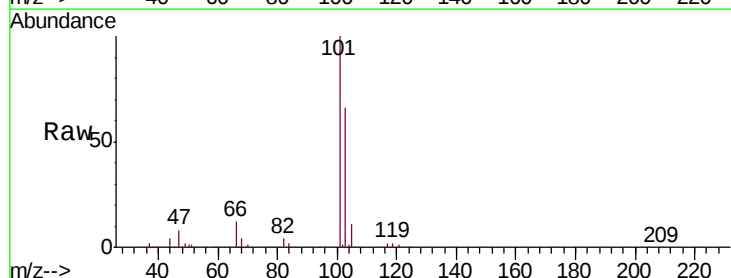
Acq: 05 Mar 2020 10:07

Tgt Ion: 101 Resp: 148886

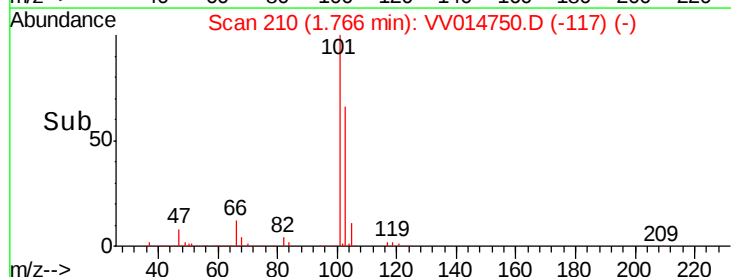
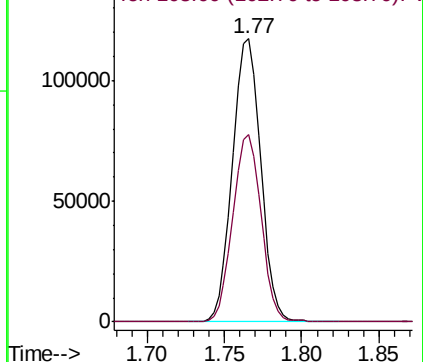
Ion Ratio Lower Upper

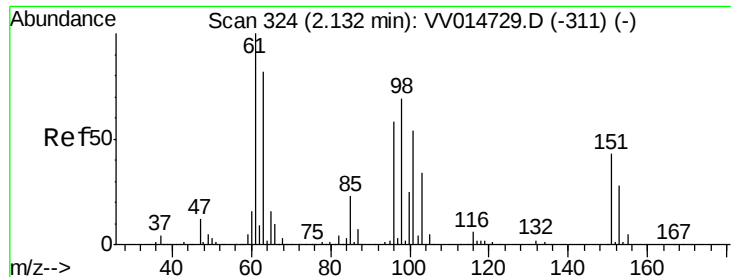
101 100

103 66.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014729.D (-198) (-)





#10

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

Concen: 4.784 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

BFB42

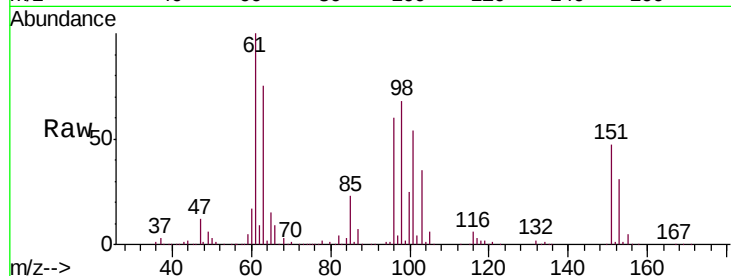
Tgt Ion: 101 Resp: 80544

Ion Ratio Lower Upper

101 100

85 42.6 35.3 52.9

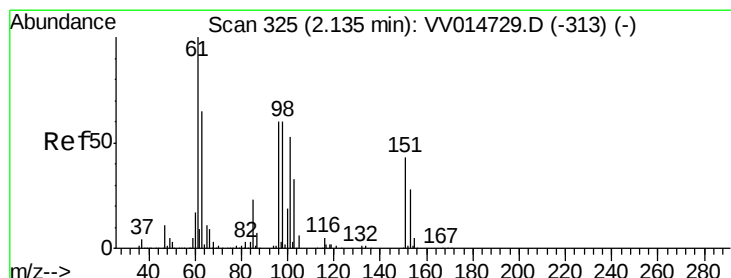
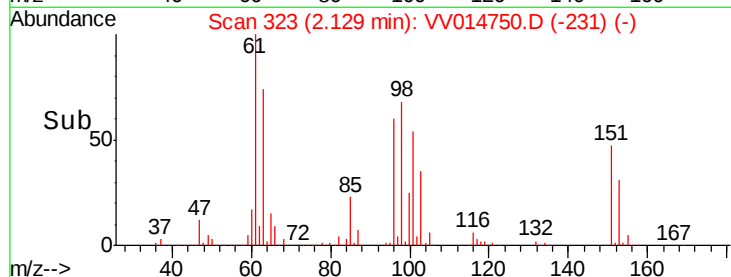
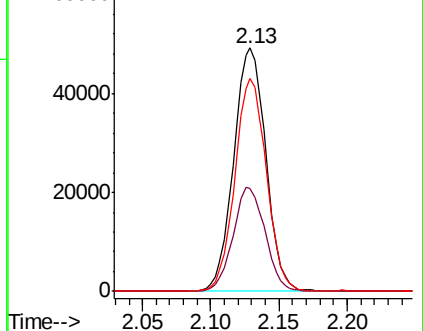
151 85.7 65.3 97.9



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: 4.823 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

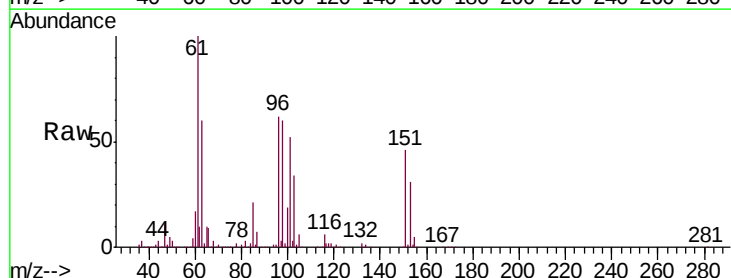
Tgt Ion: 96 Resp: 77199

Ion Ratio Lower Upper

96 100

61 160.2 121.3 225.3

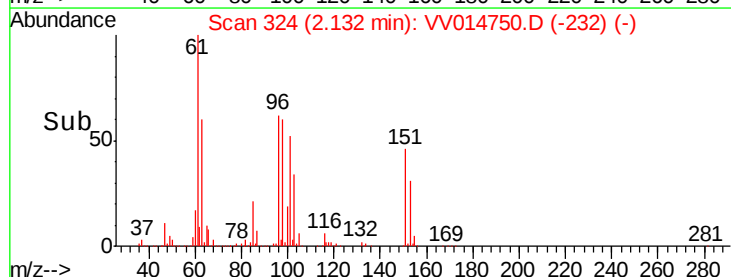
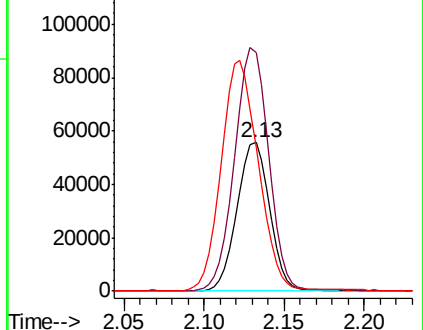
63 96.3 81.6 151.6

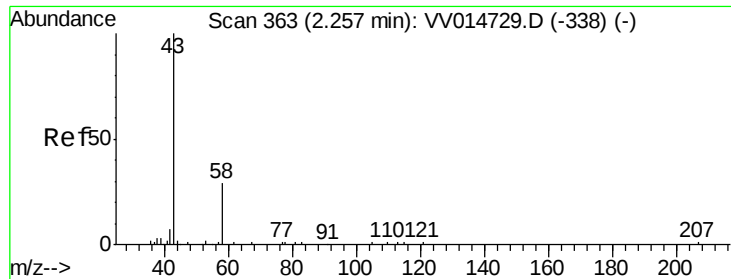


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 22.006 ug/L

RT: 2.26 min Scan# 363

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

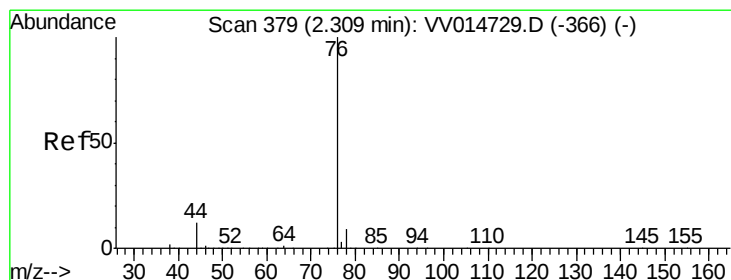
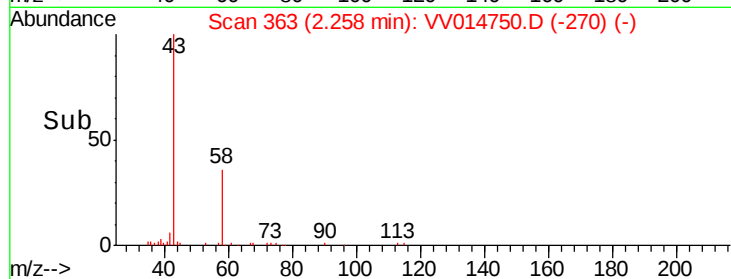
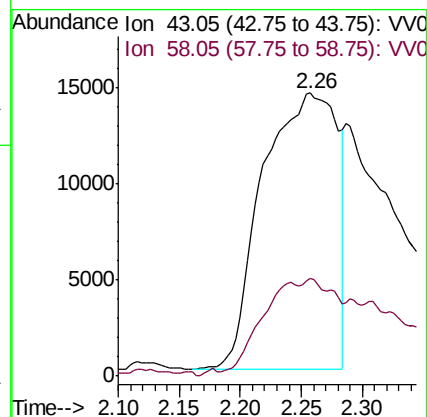
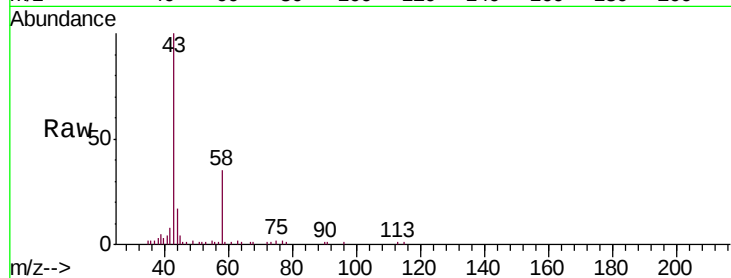
BFB42

Tgt Ion: 43 Resp: 60874

Ion Ratio Lower Upper

43 100

58 16.3 0.0 20.0



#14

Carbon disulfide

Concen: 4.366 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV014750.D

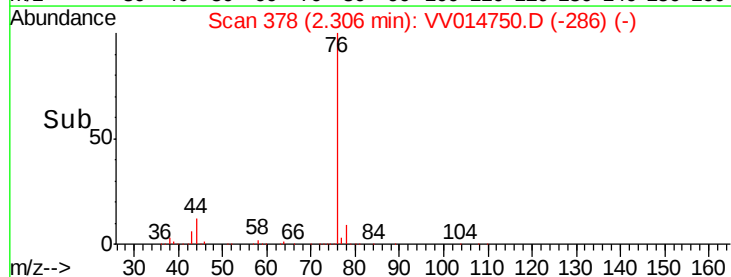
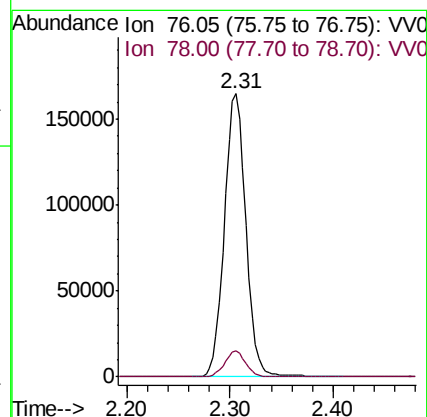
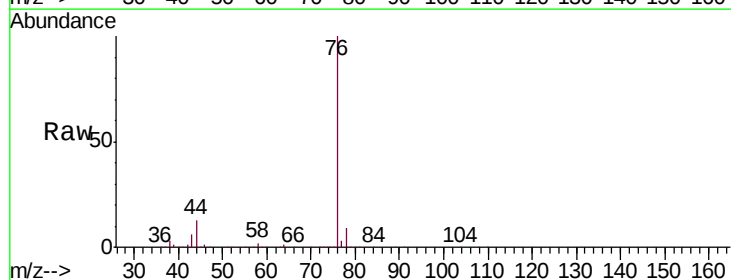
Acq: 05 Mar 2020 10:07

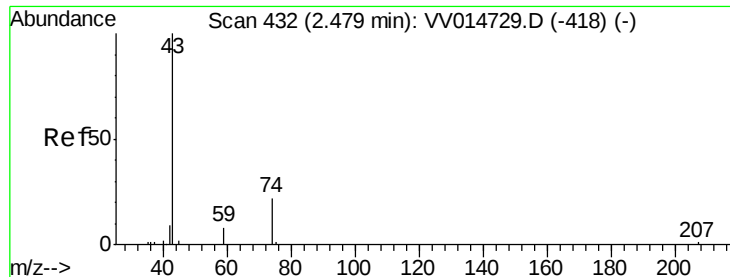
Tgt Ion: 76 Resp: 238311

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

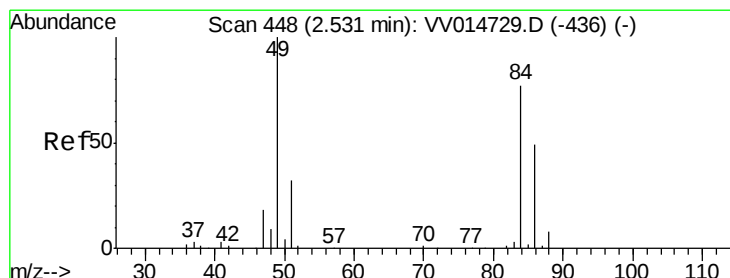
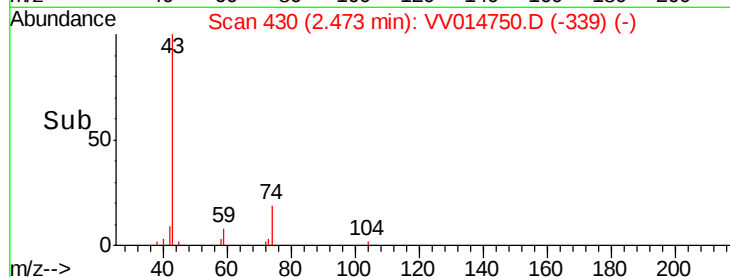
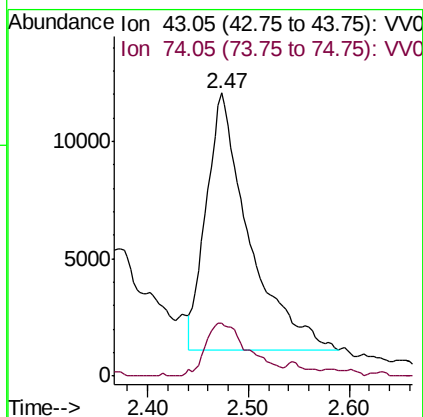
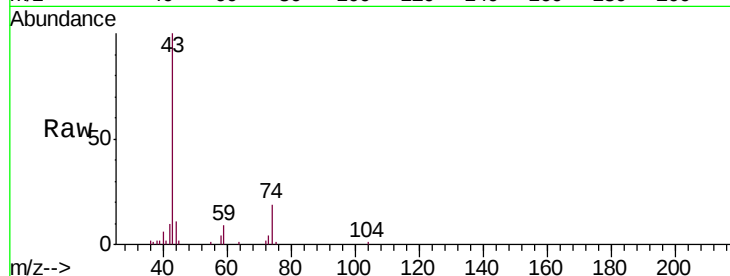




#15
Methyl Acetate
Concen: 4.616 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.01 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

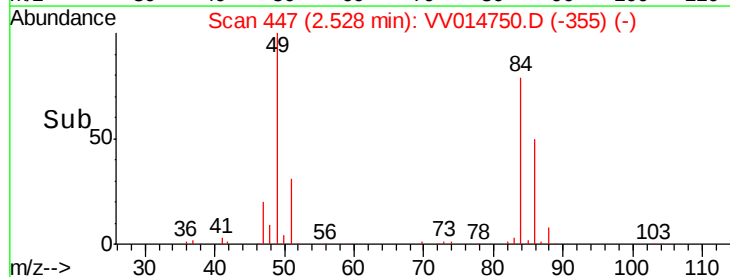
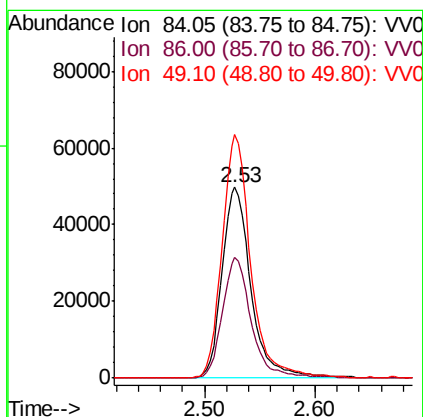
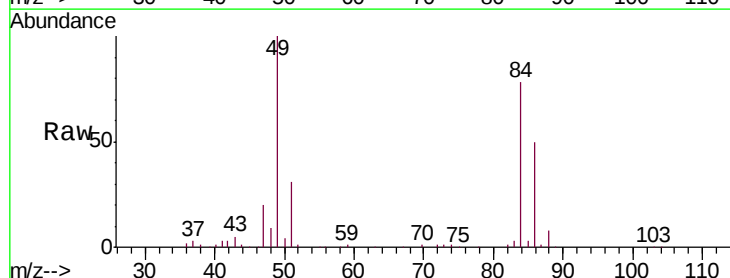
Instrument :
MSVOA_V
ClientSampled :
BFB42

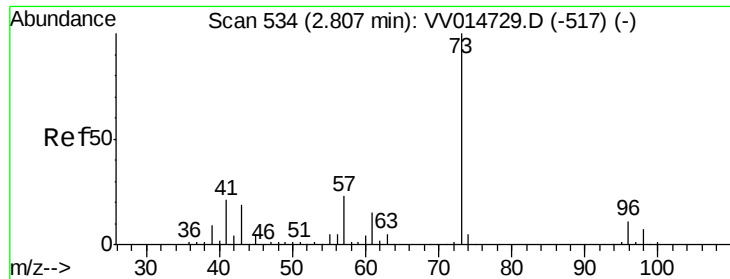
Tgt Ion: 43 Resp: 32408
Ion Ratio Lower Upper
43 100
74 20.7 14.8 22.2



#16
Methylene chloride
Concen: 4.537 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

Tgt Ion: 84 Resp: 90836
Ion Ratio Lower Upper
84 100
86 63.2 44.9 83.5
49 127.5 95.6 177.6

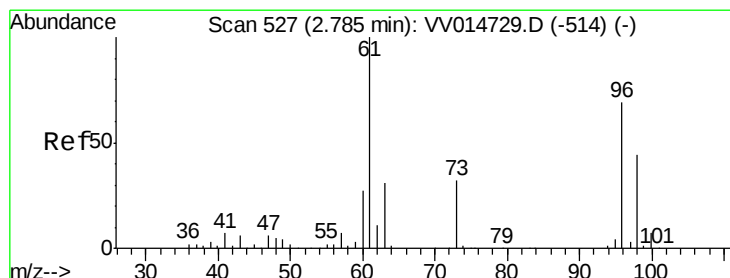
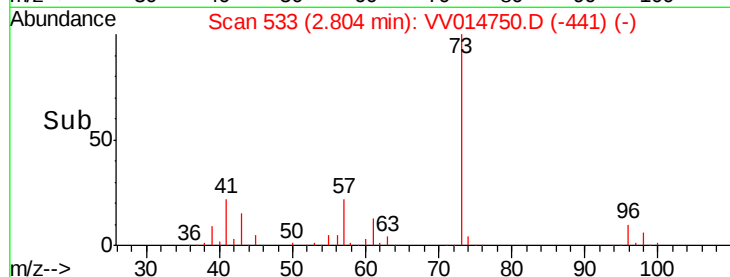
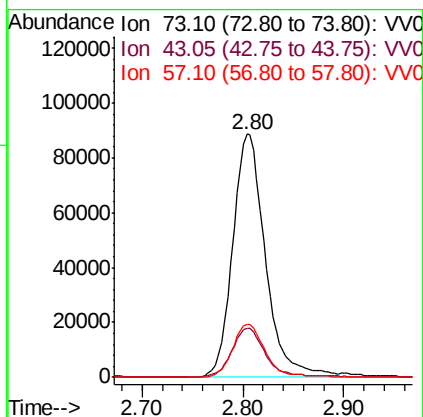
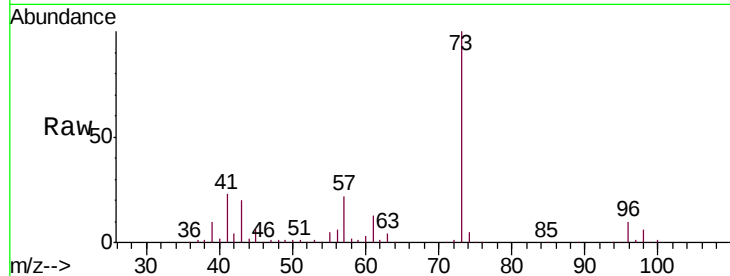




#17
Methyl tert-butyl Ether
Concen: 4.586 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

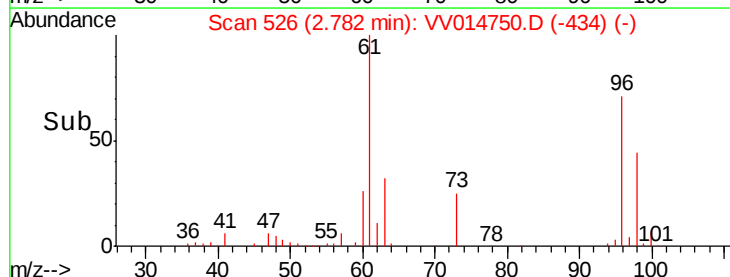
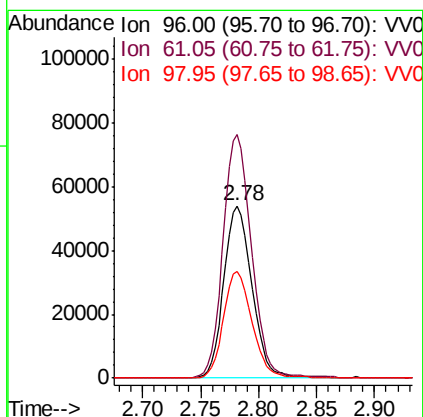
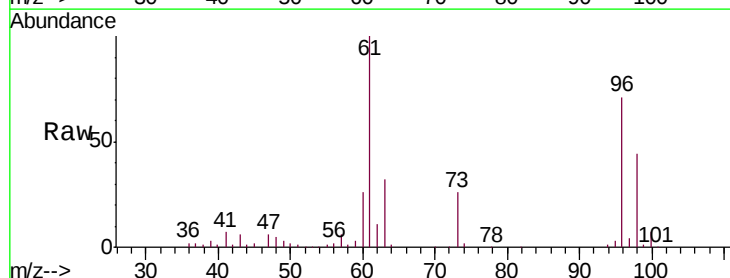
Instrument :
MSVOA_V
ClientSampleId :
BFB42

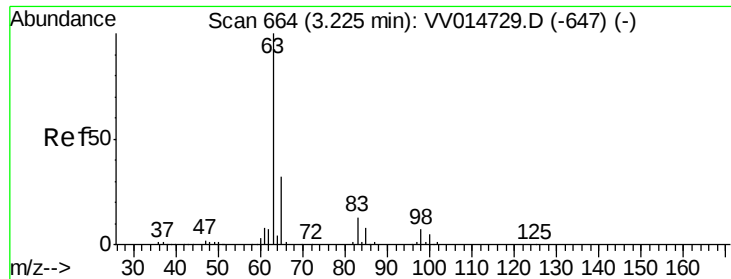
Tgt Ion: 73 Resp: 199712
Ion Ratio Lower Upper
73 100
43 20.3 16.0 24.0
57 21.7 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.702 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

Tgt Ion: 96 Resp: 90978
Ion Ratio Lower Upper
96 100
61 141.4 104.9 194.9
98 62.2 42.9 79.7

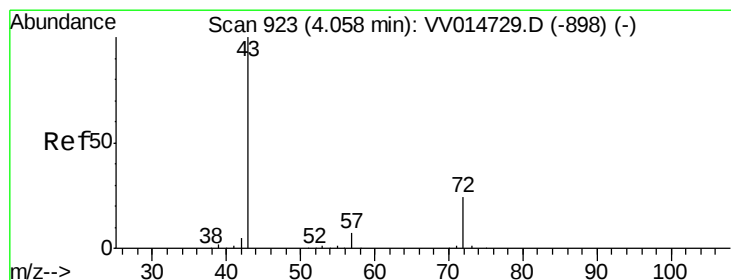
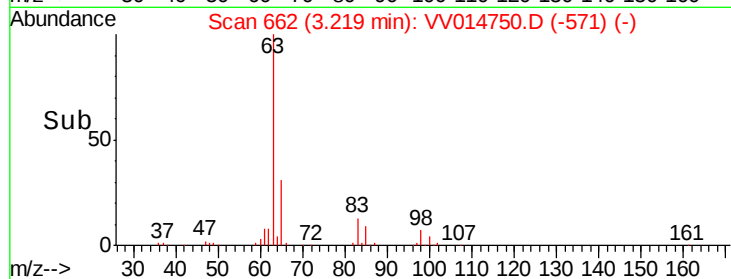
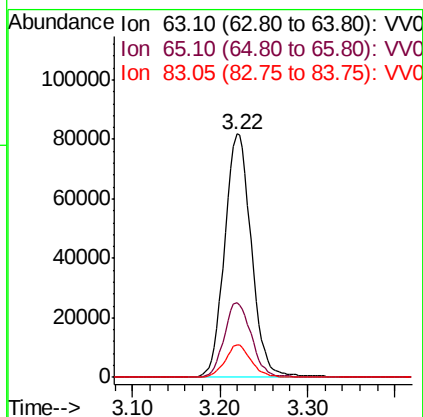
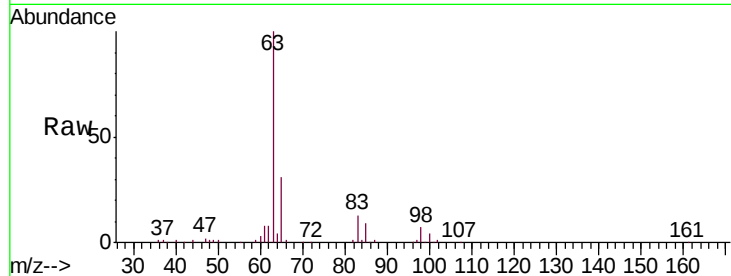




#19
 1,1-Dichloroethane
 Concen: 4.595 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: VV014750.D
 Acq: 05 Mar 2020 10:07

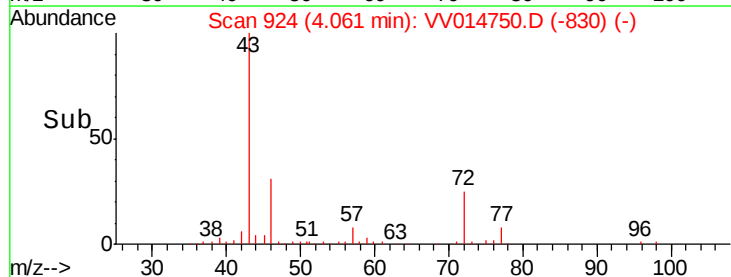
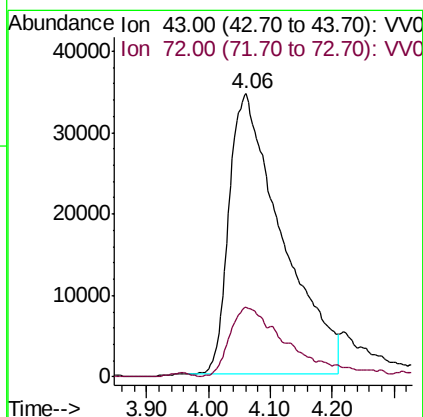
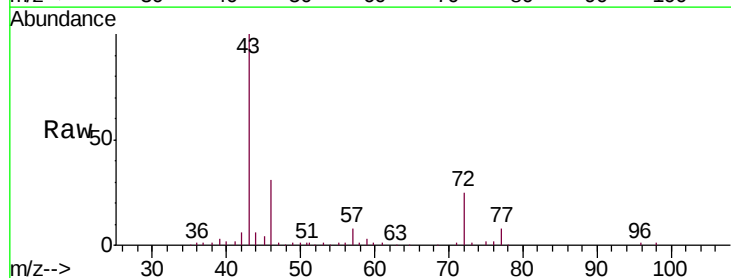
Instrument :
 MSVOA_V
 ClientSampled :
 BFB42

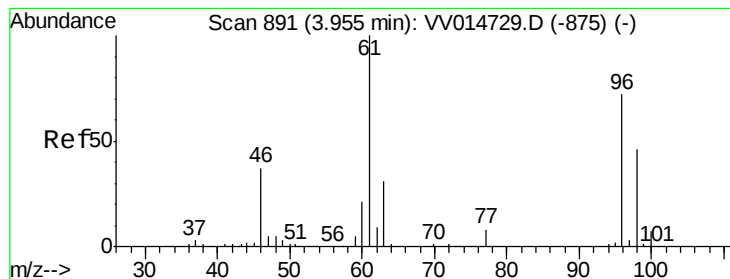
Tgt Ion: 63 Resp: 173948
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.9 40.7
 83 13.4 9.0 16.6



#21
 2-Butanone
 Concen: 43.716 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VV014750.D
 Acq: 05 Mar 2020 10:07

Tgt Ion: 43 Resp: 205814
 Ion Ratio Lower Upper
 43 100
 72 15.9 10.5 31.6





#22

cis-1,2-Dichloroethene

Concen: 4.646 ug/L

RT: 3.95 min Scan# 890

Delta R.T. -0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

BFB42

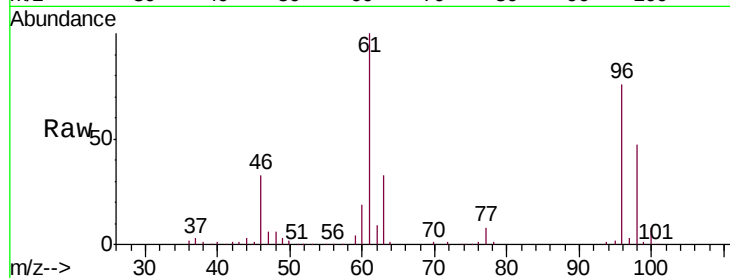
Tgt Ion: 96 Resp: 96092

Ion Ratio Lower Upper

96 100

61 131.1 93.3 173.3

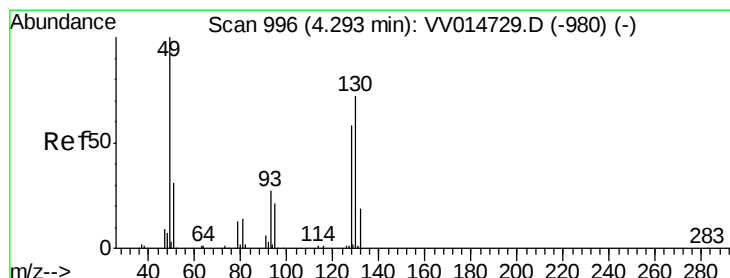
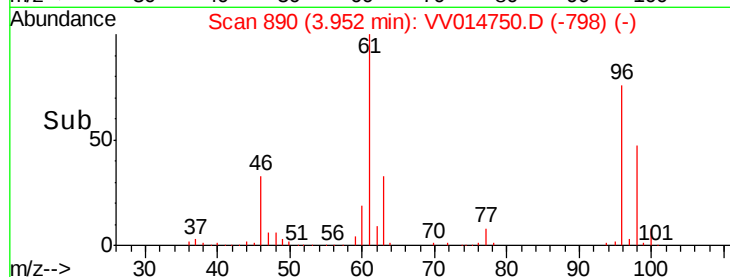
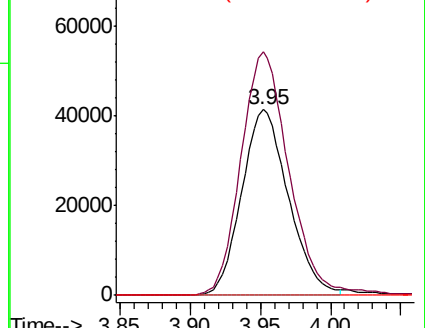
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV014729.D (-875) (-)

Ion 61.05 (60.75 to 61.75): VV014729.D (-875) (-)

Ion 68.15 (67.85 to 68.85): VV014729.D (-875) (-)



#23

Bromochloromethane

Concen: 4.771 ug/L

RT: 4.29 min Scan# 995

Delta R.T. -0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Tgt Ion: 128 Resp: 39608

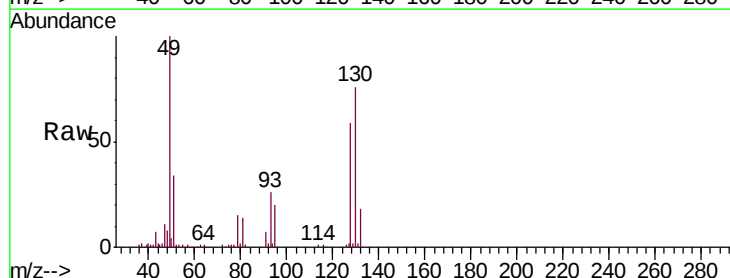
Ion Ratio Lower Upper

128 100

49 170.5 136.2 252.9

130 129.6 90.3 167.7

51 57.3 47.9 71.9

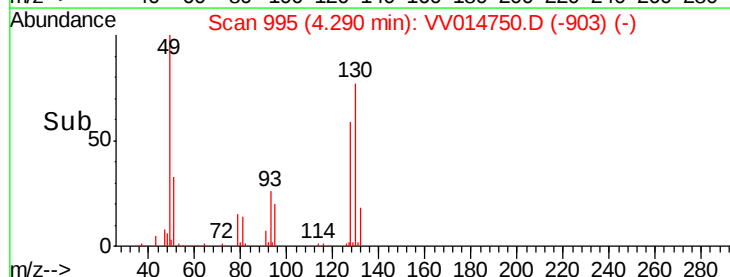
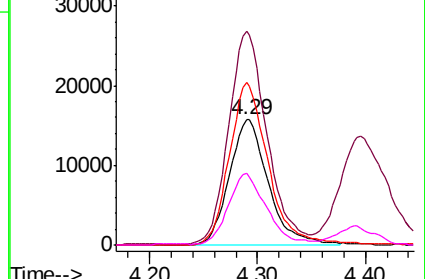


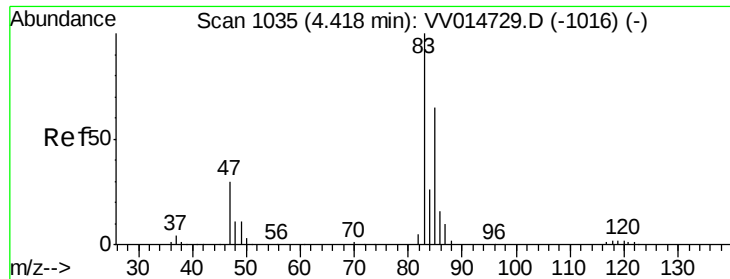
Abundance Ion 127.90 (127.60 to 128.60): VV014729.D (-980) (-)

Ion 49.10 (48.80 to 49.80): VV014729.D (-980) (-)

Ion 129.95 (129.65 to 130.65): VV014729.D (-980) (-)

Ion 51.05 (50.75 to 51.75): VV014729.D (-980) (-)

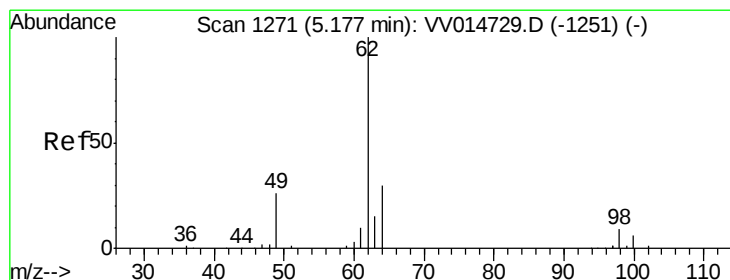
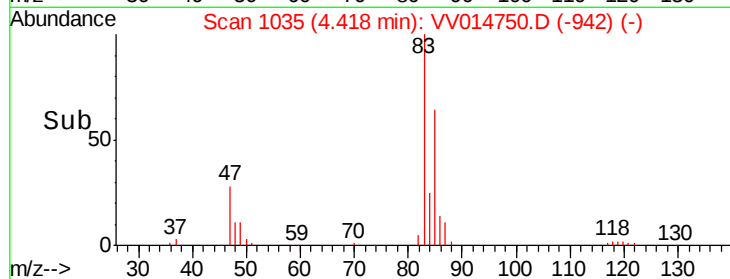
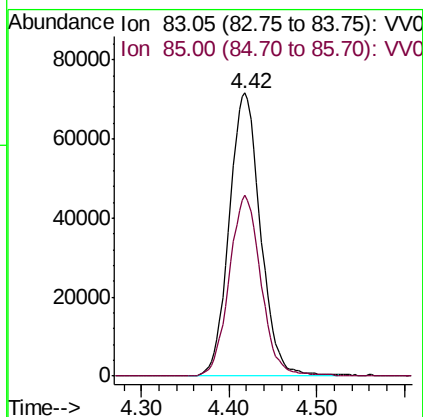
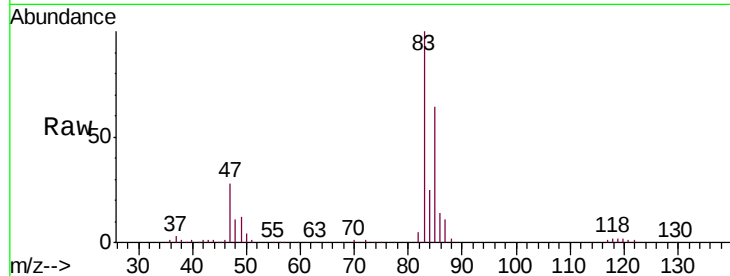




#25
Chloroform
Concen: 4.788 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

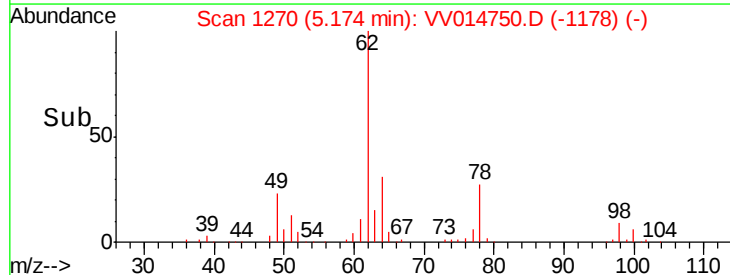
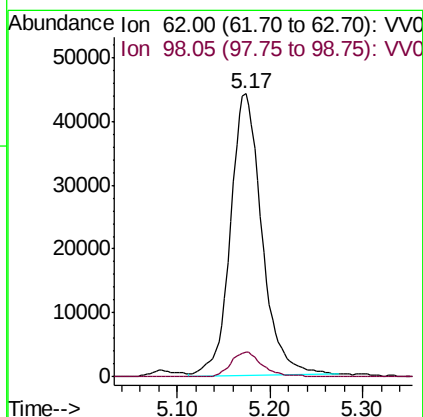
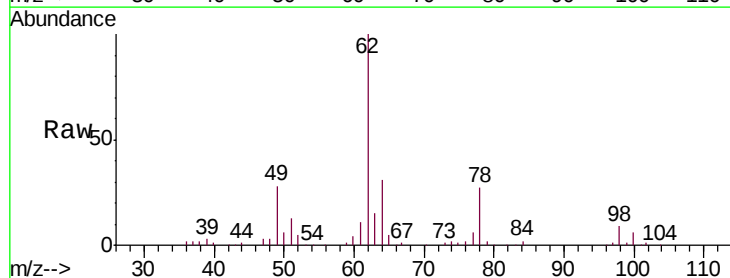
Instrument :
MSVOA_V
ClientSampled :
BFB42

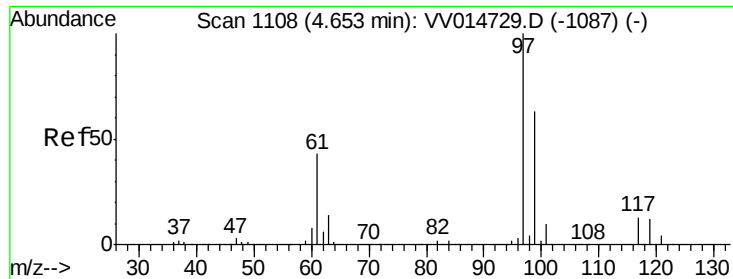
Tgt Ion: 83 Resp: 177877
Ion Ratio Lower Upper
83 100
85 63.8 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.567 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

Tgt Ion: 62 Resp: 103902
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.2

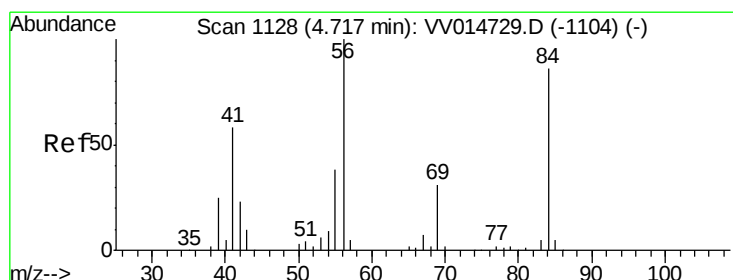
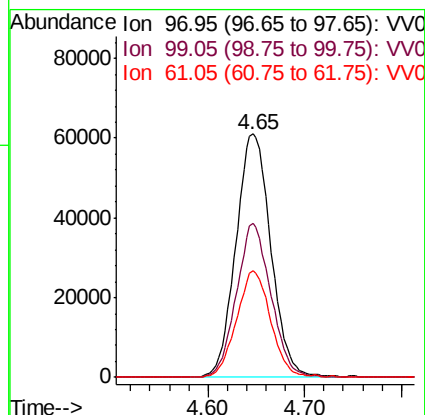
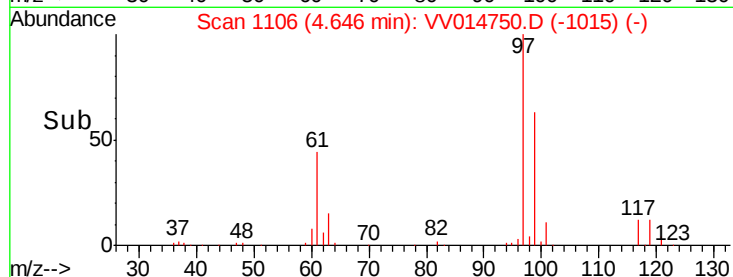
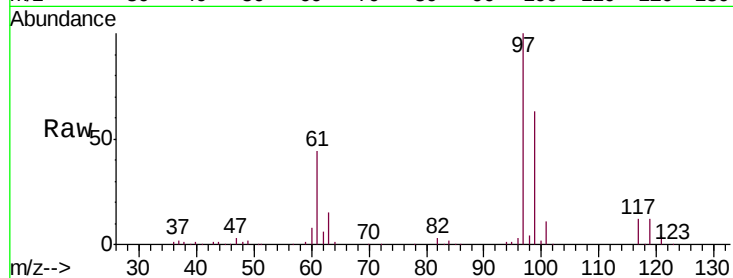




#29
 1,1,1-Trichloroethane
 Concen: 4.792 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VV014750.D
 Acq: 05 Mar 2020 10:07

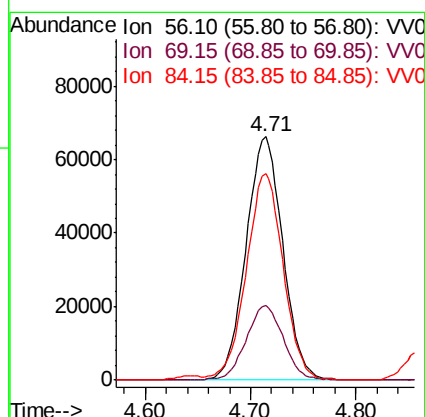
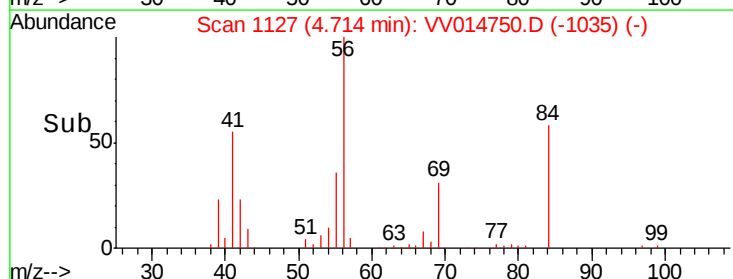
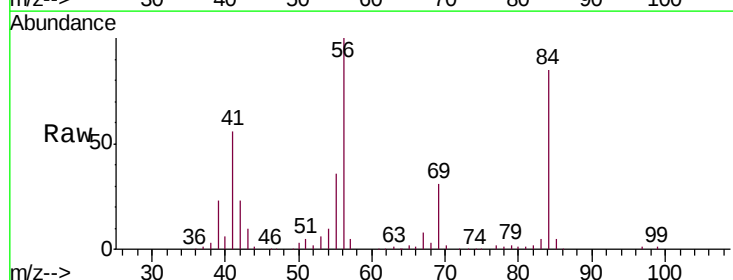
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB42

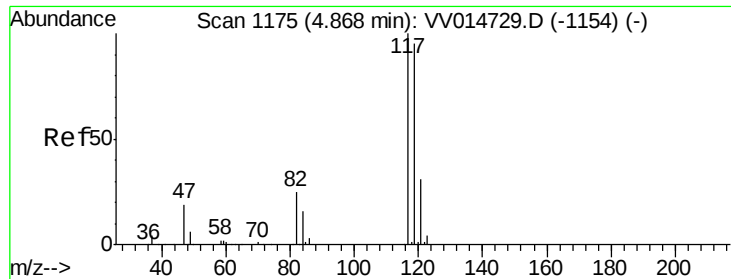
Tgt Ion: 97 Resp: 153134
 Ion Ratio Lower Upper
 97 100
 99 62.2 50.6 76.0
 61 42.7 36.3 54.5



#30
 Cyclohexane
 Concen: 4.467 ug/L
 RT: 4.71 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: VV014750.D
 Acq: 05 Mar 2020 10:07

Tgt Ion: 56 Resp: 160674
 Ion Ratio Lower Upper
 56 100
 69 31.1 23.4 35.2
 84 84.9 66.3 99.5

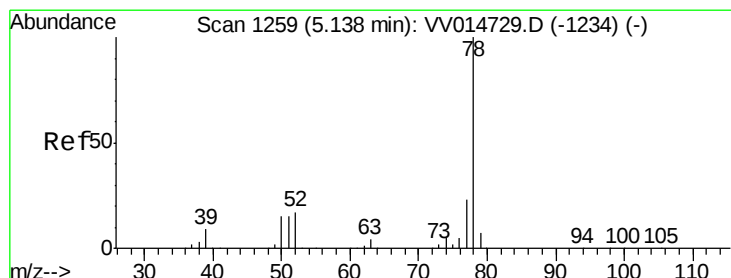
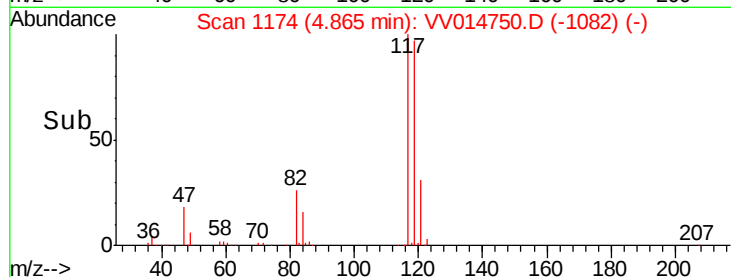
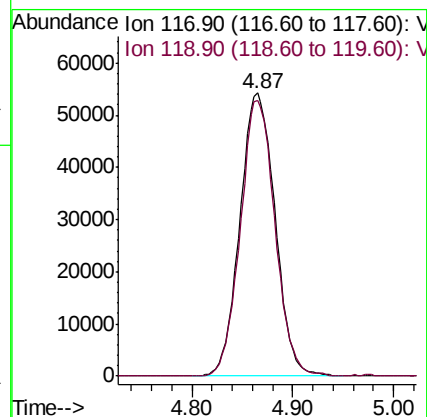
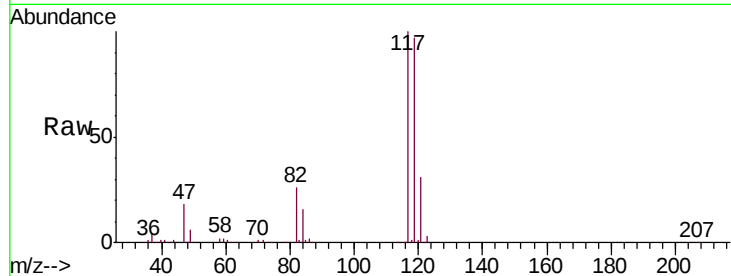




#31
Carbon tetrachloride
Concen: 4.757 ug/L
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

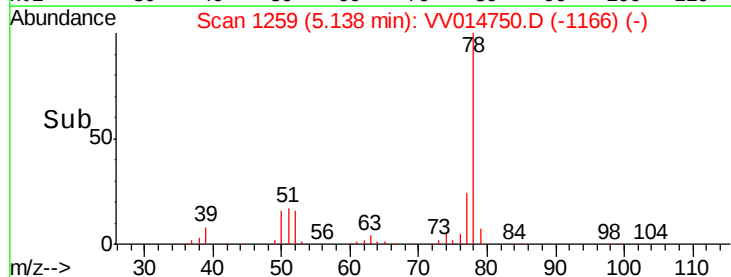
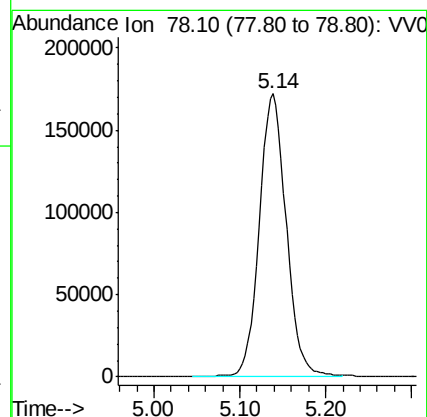
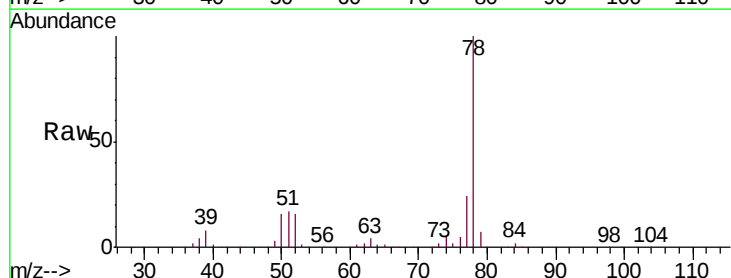
Instrument :
MSVOA_V
ClientSampleId :
BFB42

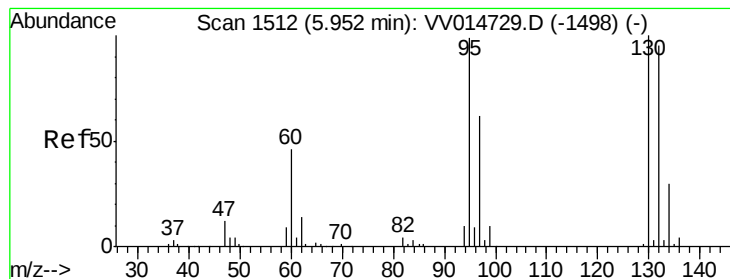
Tgt Ion:117 Resp: 130948
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.6



#33
Benzene
Concen: 4.739 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

Tgt Ion: 78 Resp: 377183





#34

Trichloroethene

Concen: 4.723 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

BFB42

Tgt Ion: 95 Resp: 98458

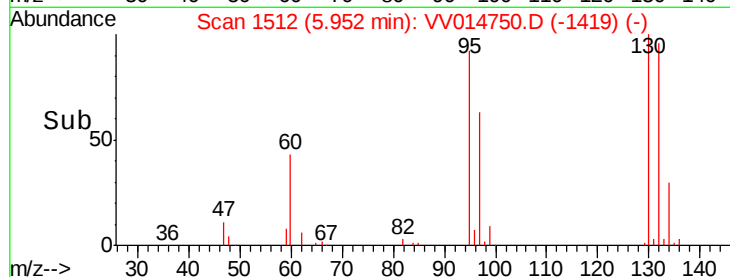
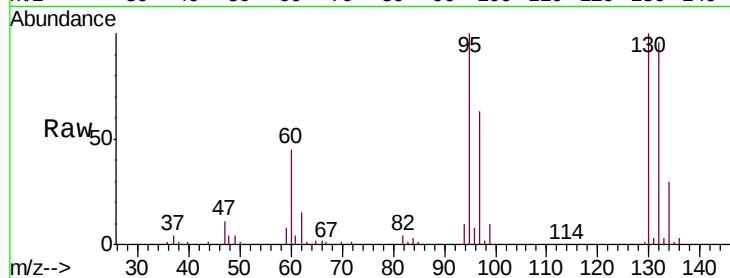
Ion Ratio Lower Upper

95 100

97 63.0 45.8 85.0

132 96.4 68.7 127.5

130 100.4 74.1 137.5

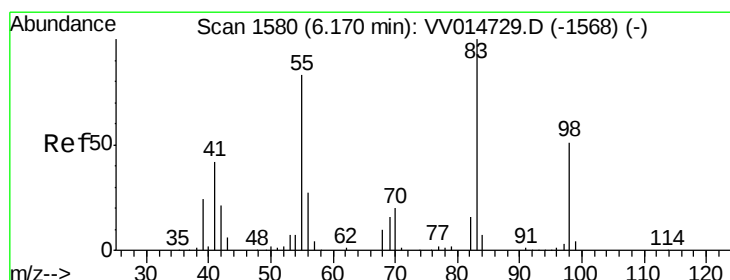
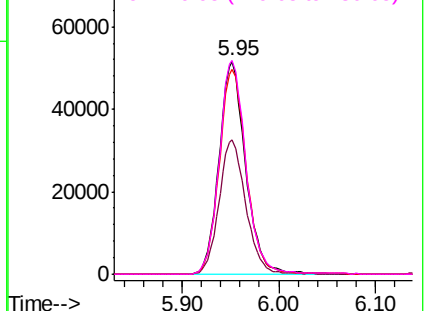


Abundance Ion 95.00 (94.70 to 95.70): VV014750.D (-1419) (-)

Ion 96.95 (96.65 to 97.65): VV014750.D (-1419) (-)

Ion 131.95 (131.65 to 132.65): VV014750.D (-1419) (-)

Ion 129.95 (129.65 to 130.65): VV014750.D (-1419) (-)



#35

Methylcyclohexane

Concen: 4.558 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

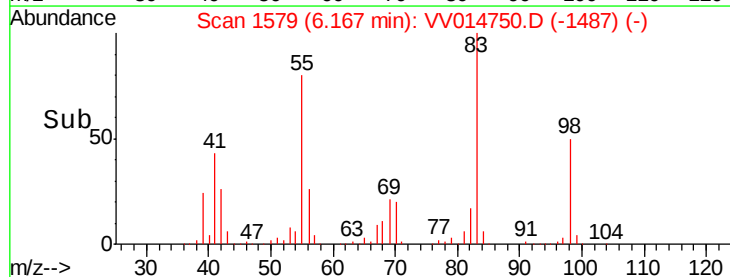
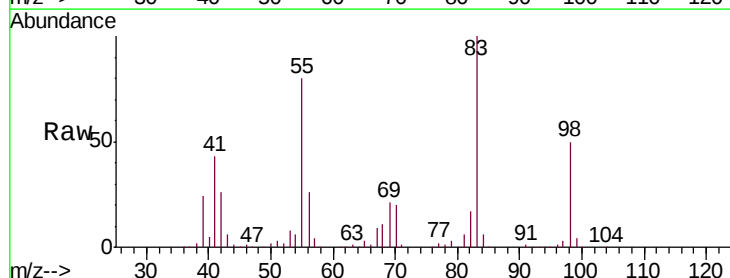
Tgt Ion: 83 Resp: 161621

Ion Ratio Lower Upper

83 100

55 80.6 64.6 96.8

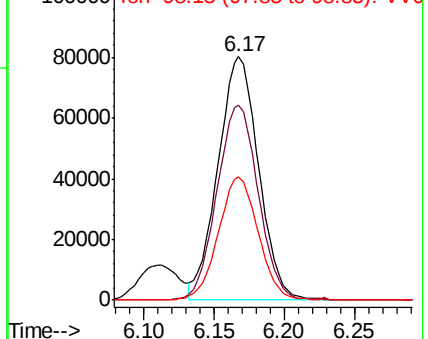
98 49.4 37.8 56.8

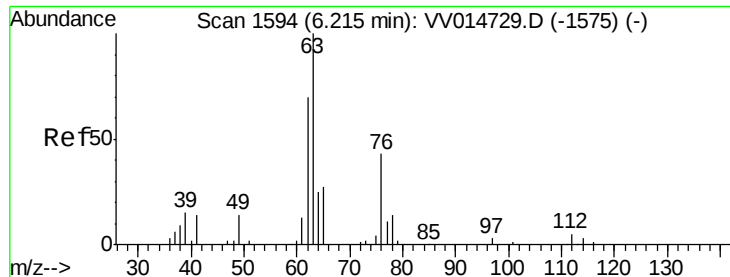


Abundance Ion 83.15 (82.85 to 83.85): VV014750.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV014750.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV014750.D (-1487) (-)

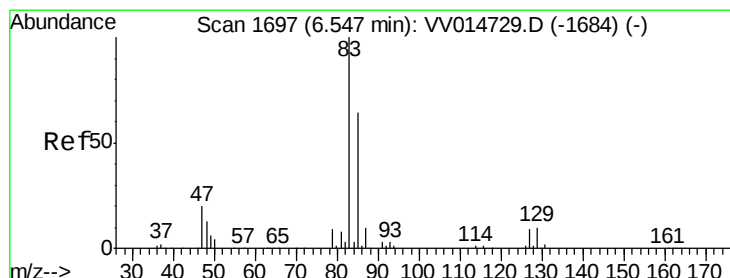
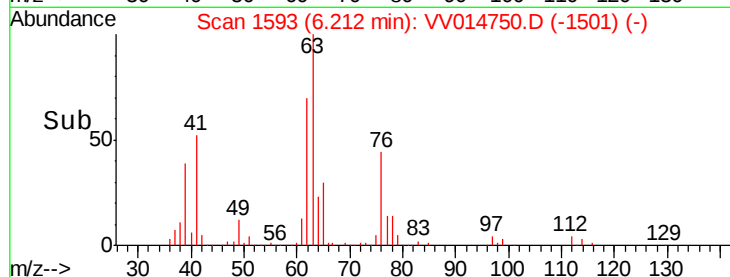
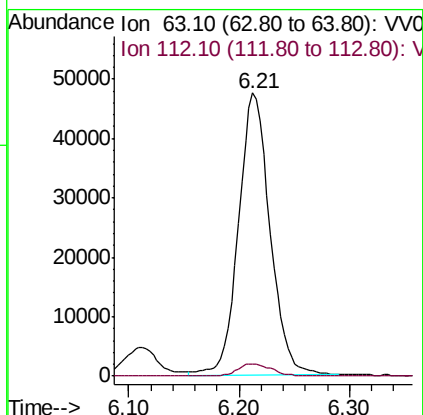
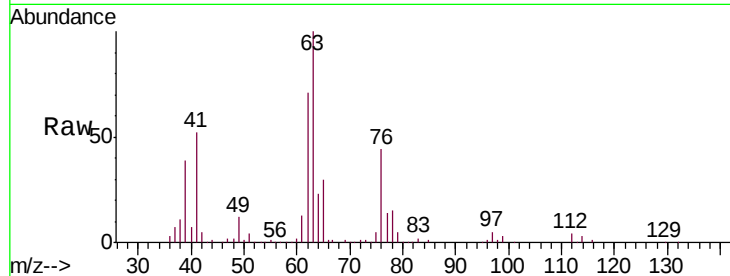




#37
 1,2-Dichloropropane
 Concen: 4.626 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: VV014750.D
 Acq: 05 Mar 2020 10:07

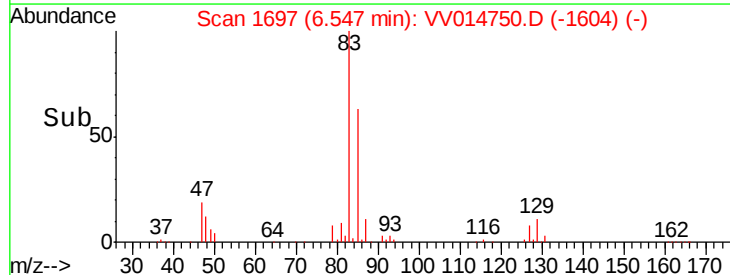
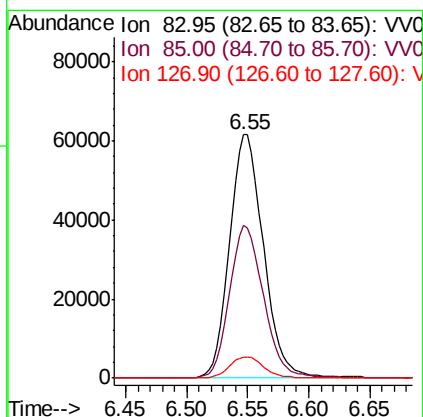
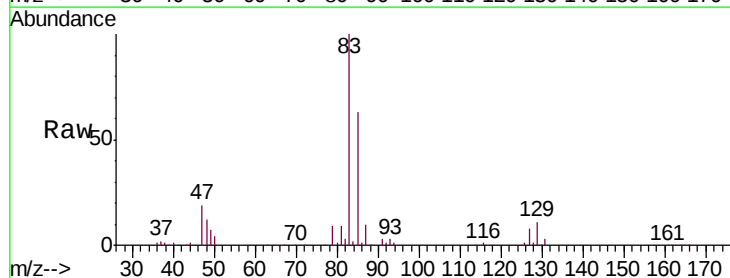
Instrument :
 MSVOA_V
 ClientSampled :
 BFB42

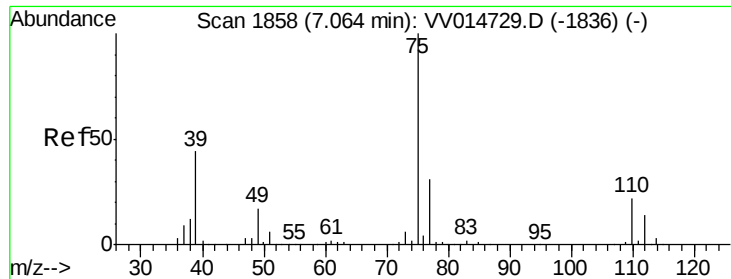
Tgt Ion: 63 Resp: 94055
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.808 ug/L
 RT: 6.55 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VV014750.D
 Acq: 05 Mar 2020 10:07

Tgt Ion: 83 Resp: 119245
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.2 84.0
 127 8.4 6.6 10.0

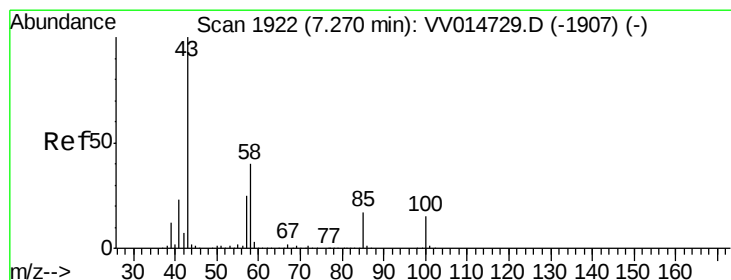
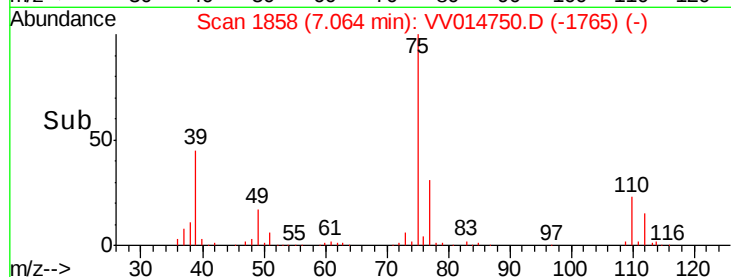
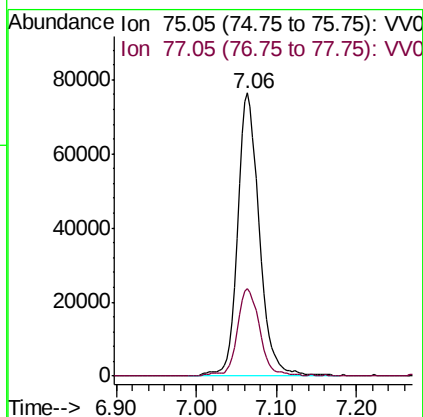
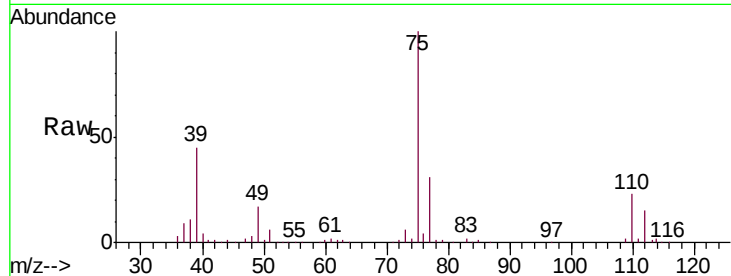




#39
 cis-1,3-Dichloropropene
 Concen: 4.730 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV014750.D
 Acq: 05 Mar 2020 10:07

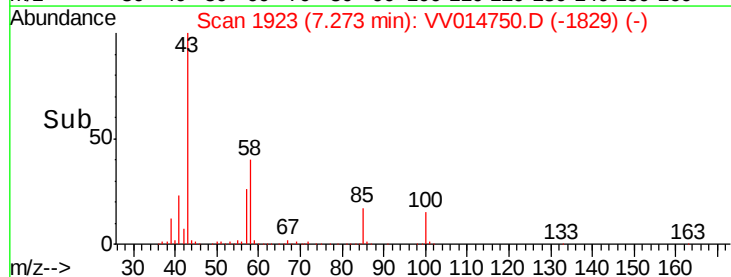
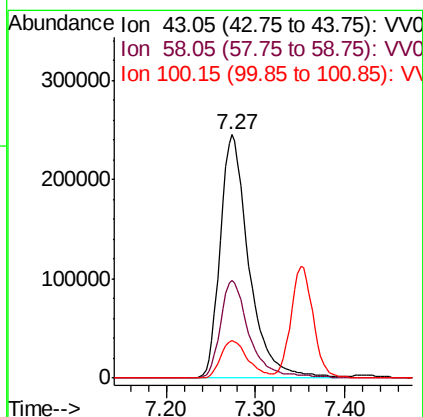
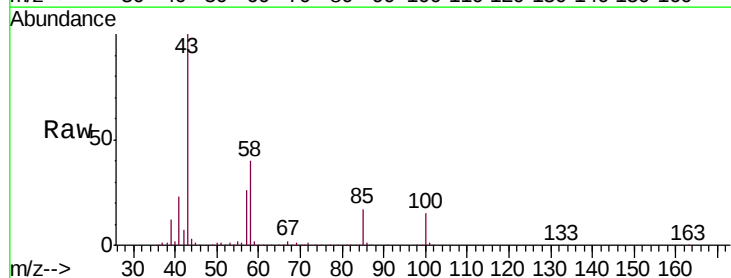
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB42

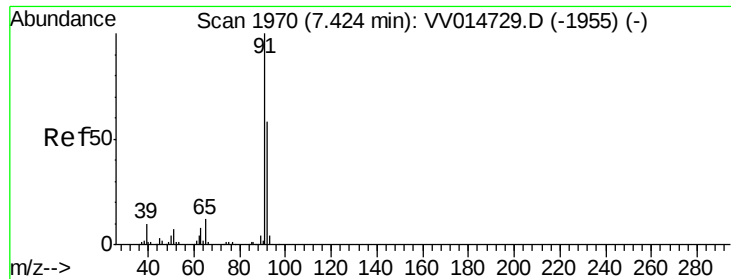
Tgt Ion: 75 Resp: 139312
 Ion Ratio Lower Upper
 75 100
 77 30.9 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 44.995 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014750.D
 Acq: 05 Mar 2020 10:07

Tgt Ion: 43 Resp: 547783
 Ion Ratio Lower Upper
 43 100
 58 40.5 30.2 45.2
 100 14.8 11.2 16.8





#42

Toluene

Concen: 4.844 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

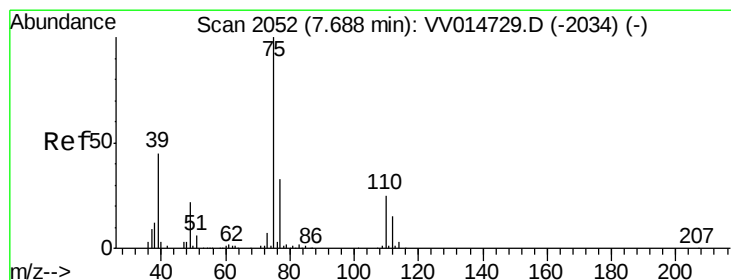
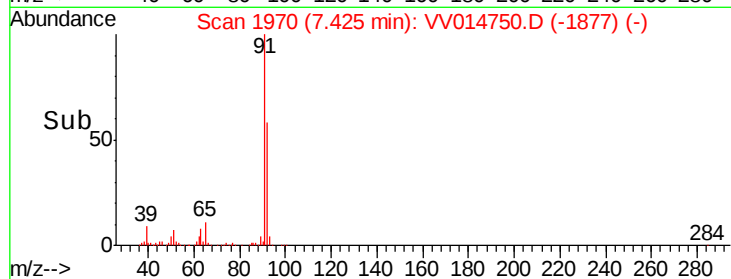
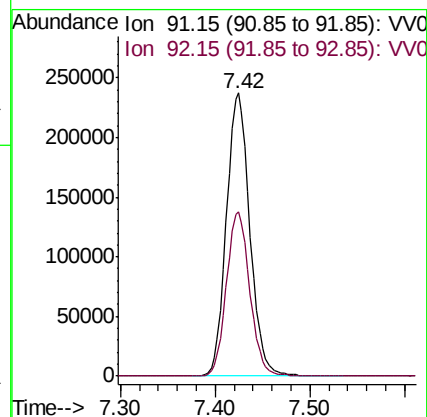
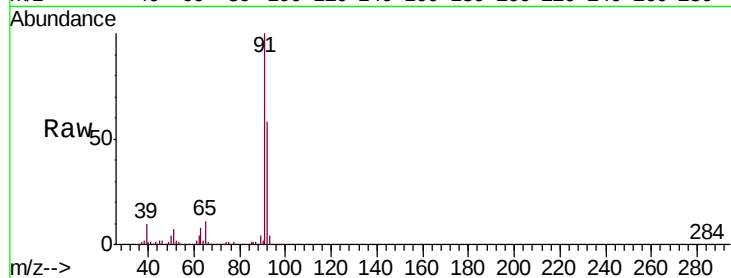
BFB42

Tgt Ion: 91 Resp: 408302

Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.621 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014750.D

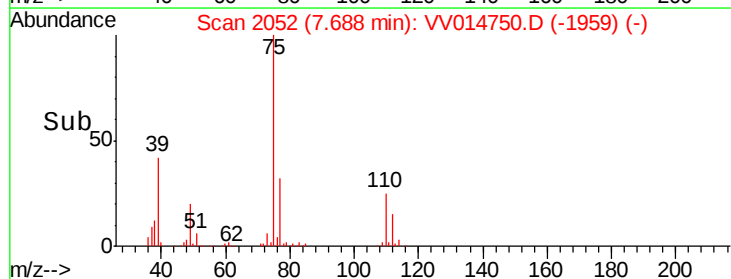
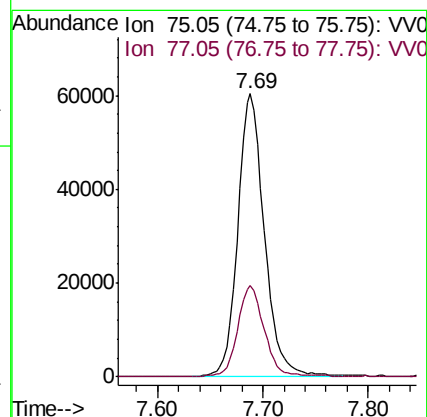
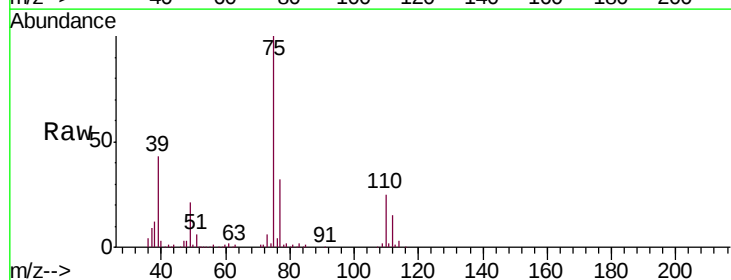
Acq: 05 Mar 2020 10:07

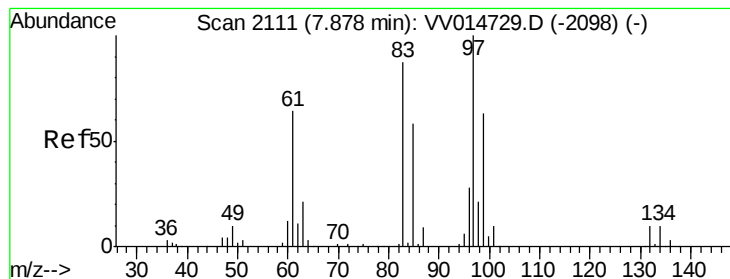
Tgt Ion: 75 Resp: 105605

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 4.747 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

BFB42

Tgt Ion: 97 Resp: 61623

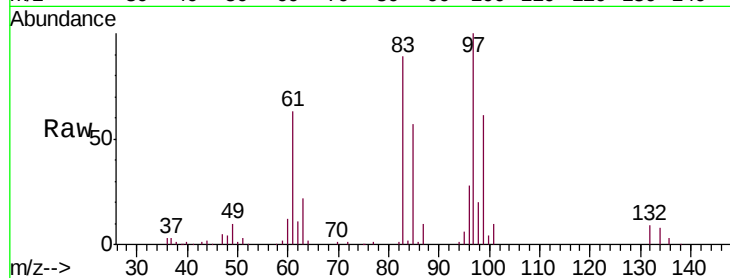
Ion Ratio Lower Upper

97 100

99 61.2 45.4 84.4

83 89.3 59.8 111.1

85 57.2 38.3 71.1

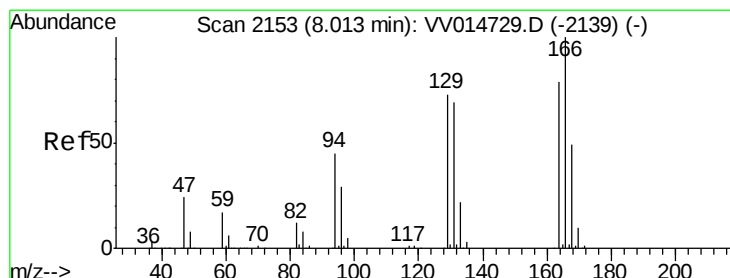
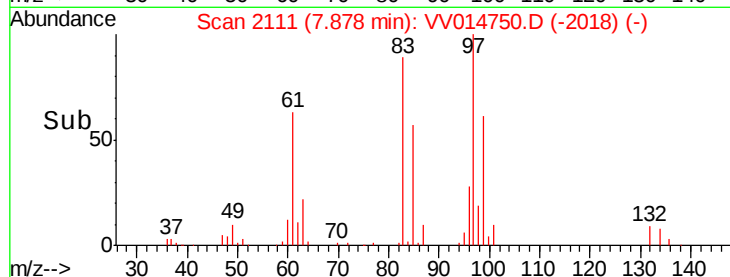
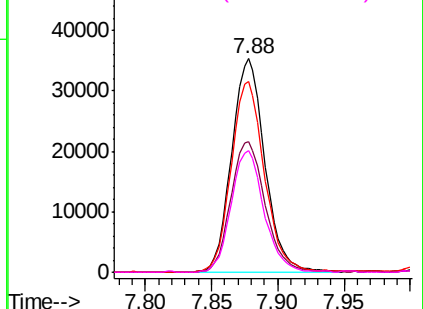


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.869 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Tgt Ion: 164 Resp: 81171

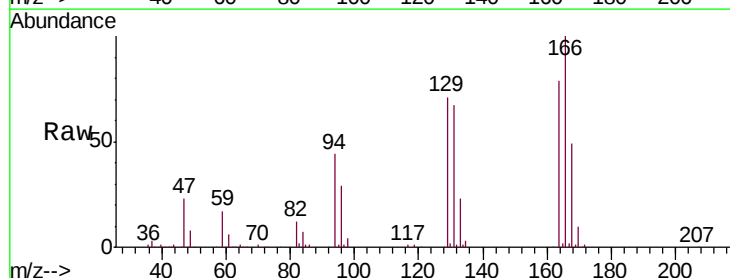
Ion Ratio Lower Upper

164 100

129 89.2 65.9 122.5

131 85.0 64.0 119.0

166 126.2 91.2 169.4

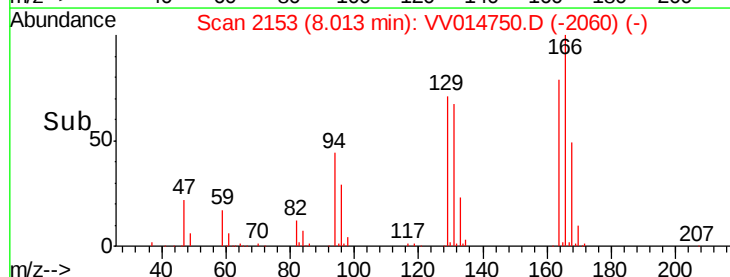
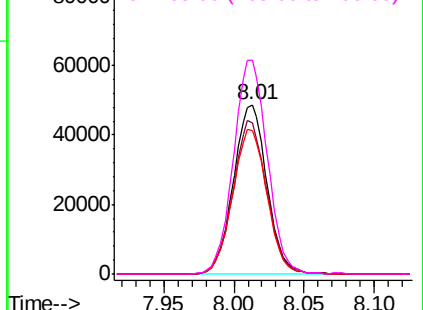


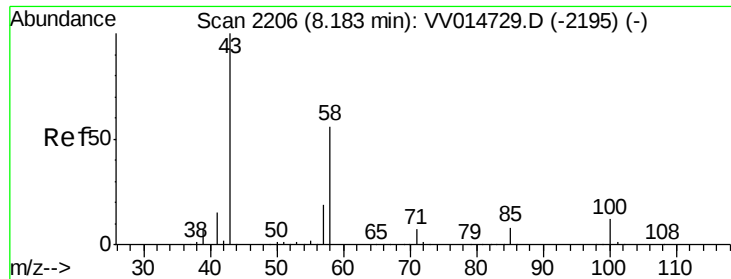
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

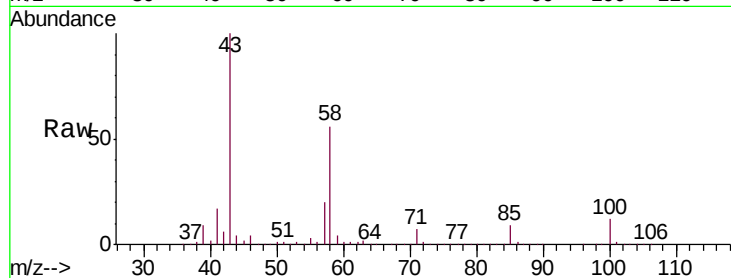




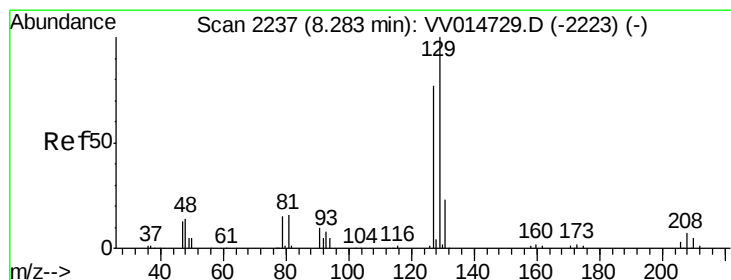
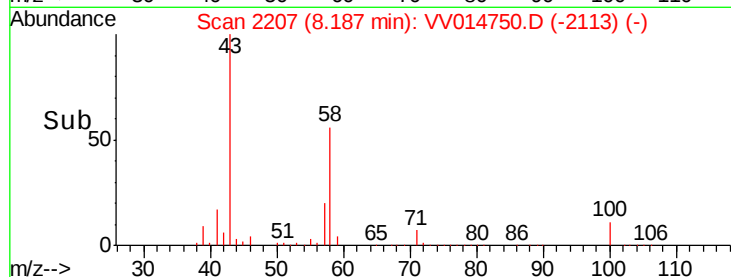
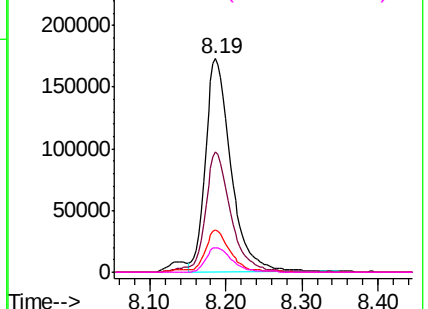
#48
2-Hexanone
Concen: 46.559 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

Instrument :
MSVOA_V
ClientSampled :
BFB42

Tgt Ion: 43 Resp: 403862
Ion Ratio Lower Upper
43 100
58 57.0 43.1 64.7
57 18.4 14.6 21.8
100 11.7 9.0 13.4

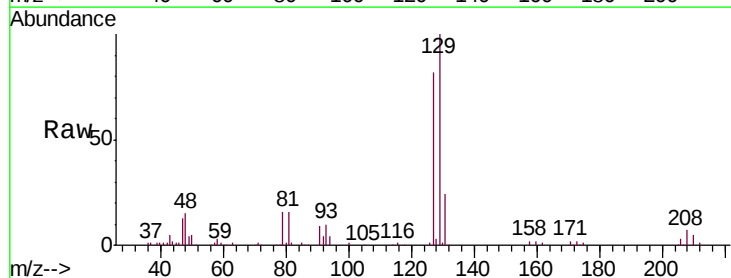


Abundance Ion 43.05 (42.75 to 43.75): VV014750.D (-2113) (-)
Ion 58.05 (57.75 to 58.75): VV014750.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV014750.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV014750.D (-2113) (-)

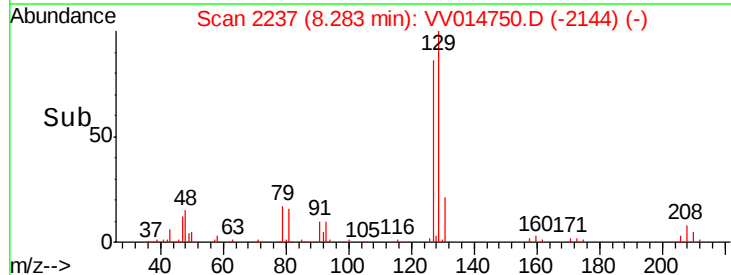
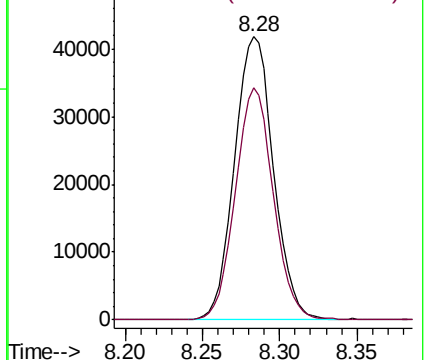


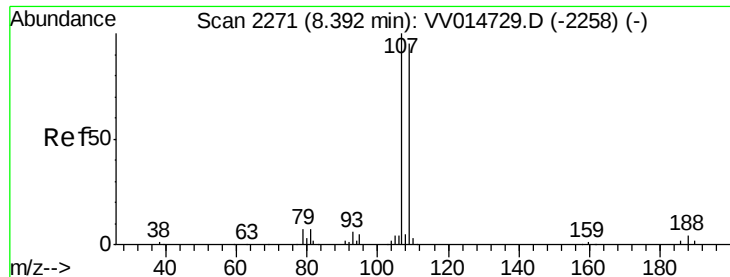
#49
Dibromochloromethane
Concen: 4.983 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

Tgt Ion: 129 Resp: 73132
Ion Ratio Lower Upper
129 100
127 82.0 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): VV014750.D (-2144) (-)
Ion 126.90 (126.60 to 127.60): VV014750.D (-2144) (-)

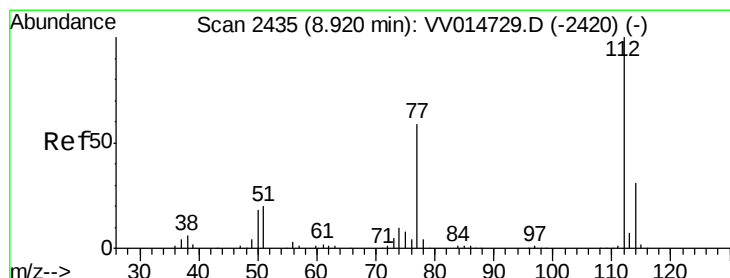
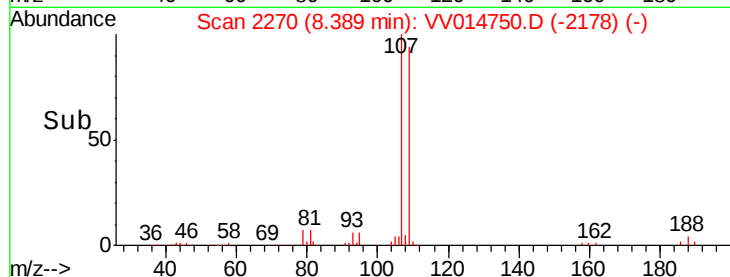
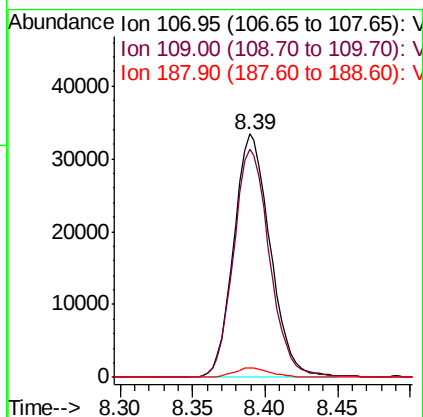
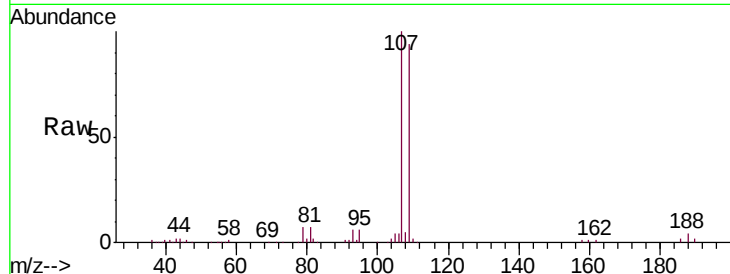




#50
1,2-Dibromoethane
Concen: 4.718 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

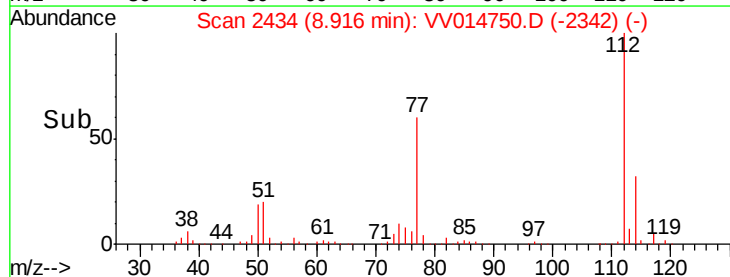
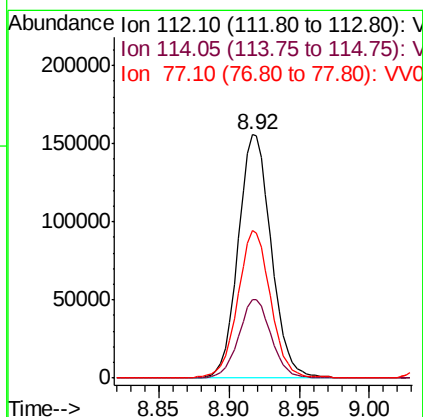
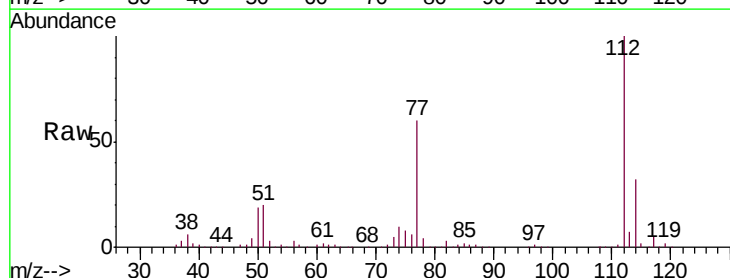
Instrument :
MSVOA_V
ClientSampleId :
BFB42

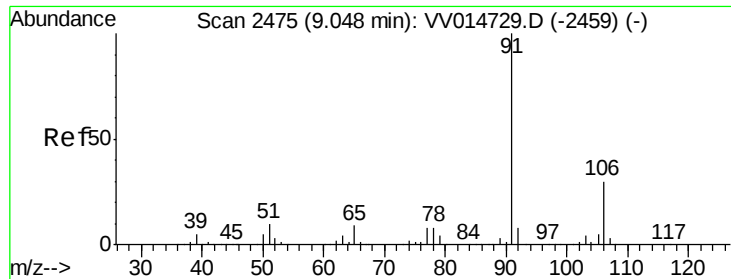
Tgt Ion:107 Resp: 58462
Ion Ratio Lower Upper
107 100
109 93.7 63.6 118.2
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 4.802 ug/L
RT: 8.92 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VV014750.D
Acq: 05 Mar 2020 10:07

Tgt Ion:112 Resp: 256249
Ion Ratio Lower Upper
112 100
114 32.3 23.2 43.2
77 60.4 49.0 73.6





#52

Ethylbenzene

Concen: 4.736 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

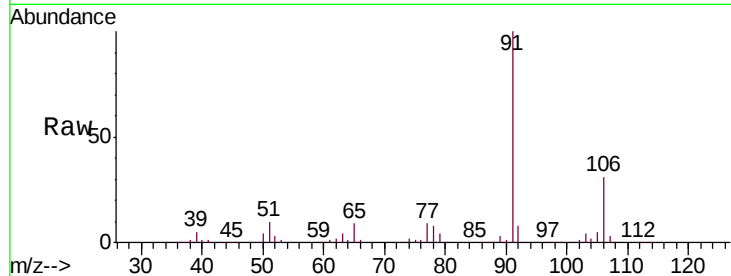
BFB42

Tgt Ion: 91 Resp: 452627

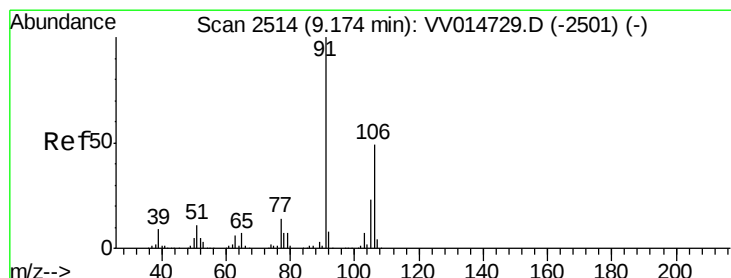
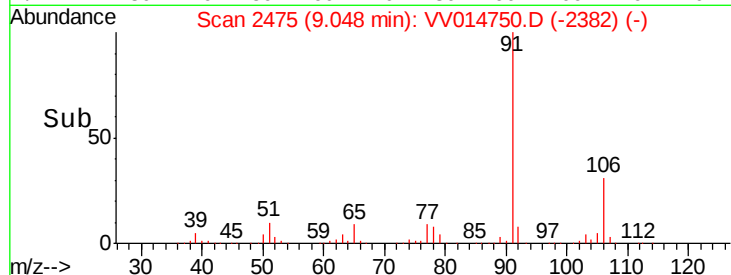
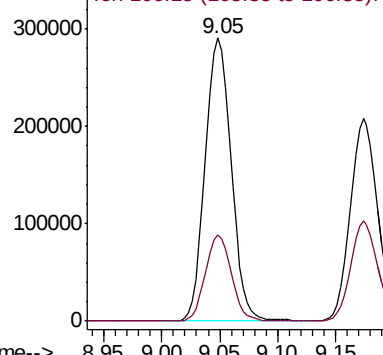
Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV014750.D (-2382) (-)



#53

m,p-xylene

Concen: 4.846 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VV014750.D

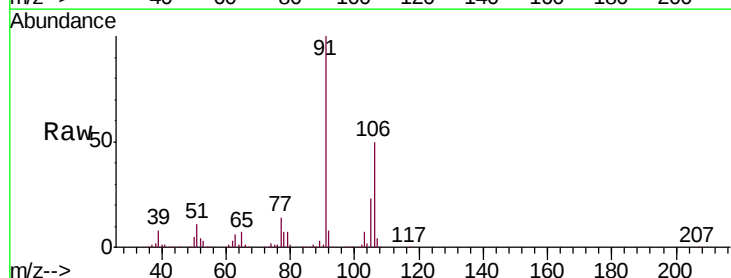
Acq: 05 Mar 2020 10:07

Tgt Ion: 106 Resp: 169554

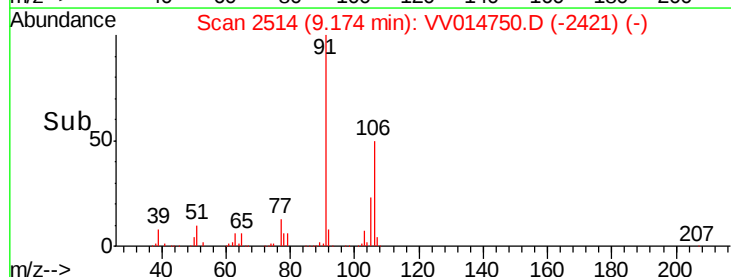
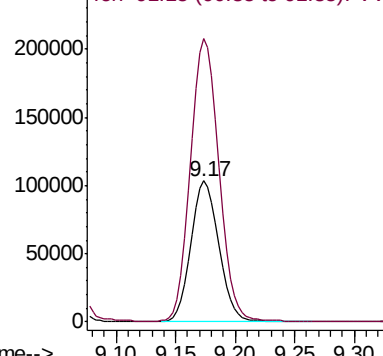
Ion Ratio Lower Upper

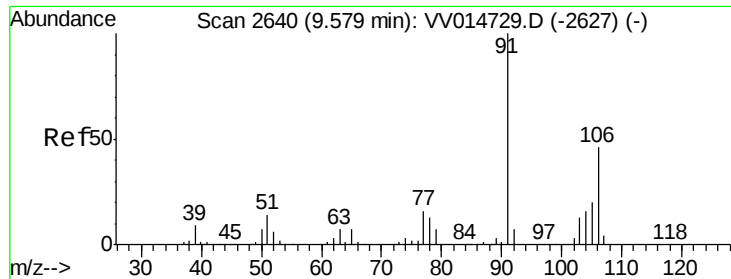
106 100

91 200.9 142.5 264.6



Abundance Ion 106.15 (105.85 to 106.85): VV014750.D (-2421) (-)





#54

o-xylene

Concen: 4.871 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampled :

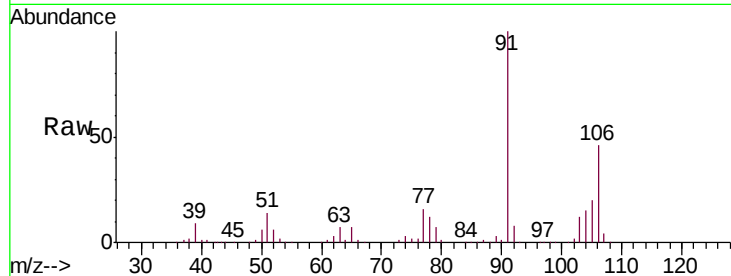
BFB42

Tgt Ion:106 Resp: 165903

Ion Ratio Lower Upper

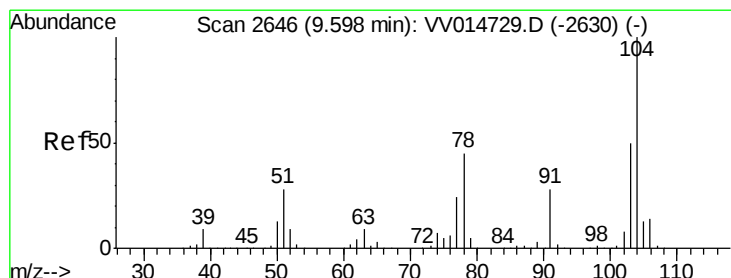
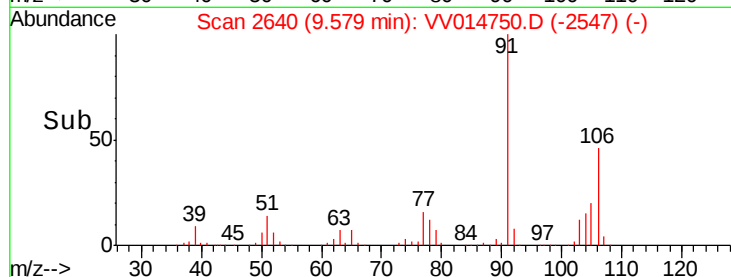
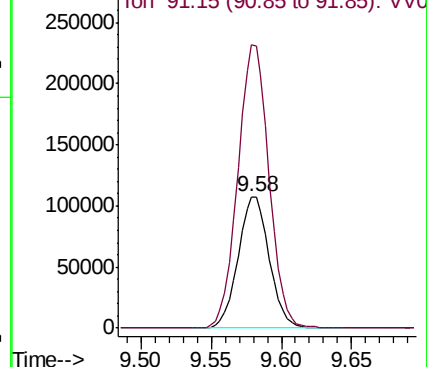
106 100

91 215.4 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.814 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014750.D

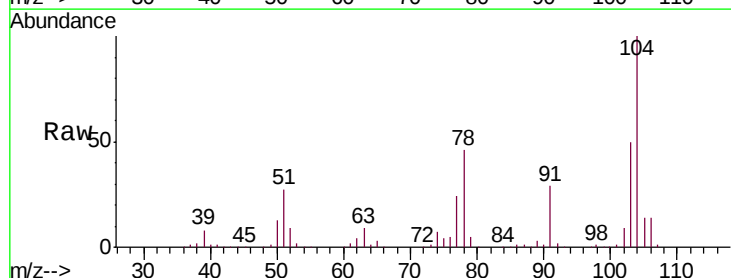
Acq: 05 Mar 2020 10:07

Tgt Ion:104 Resp: 275478

Ion Ratio Lower Upper

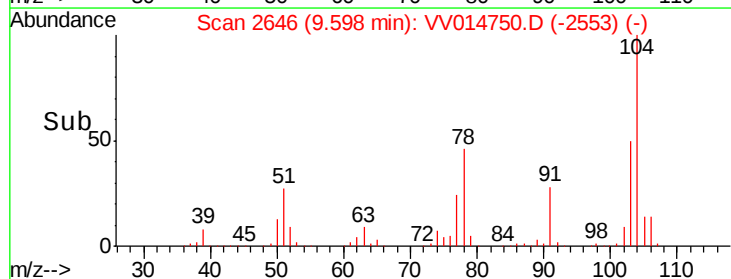
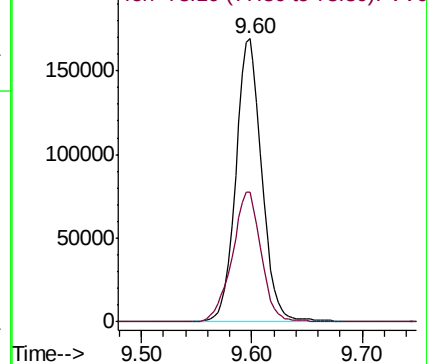
104 100

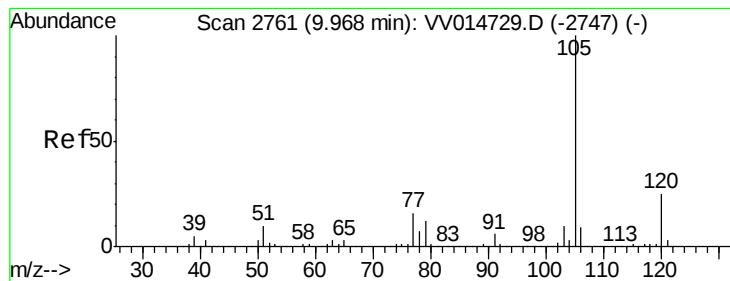
78 45.7 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.851 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

BFB42

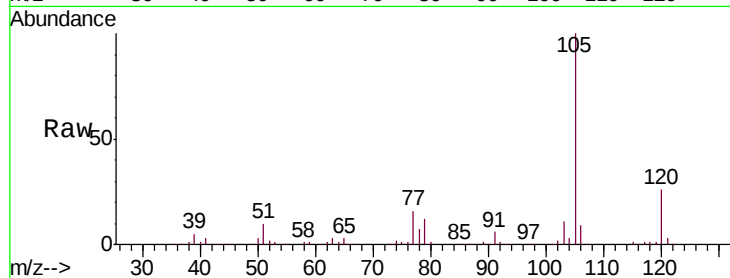
Tgt Ion: 105 Resp: 446305

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

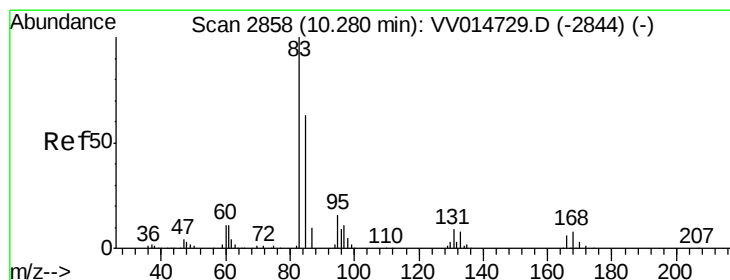
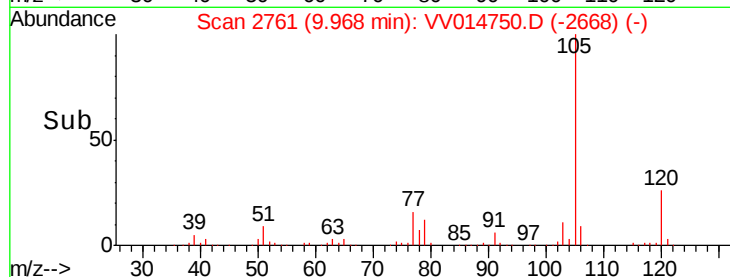
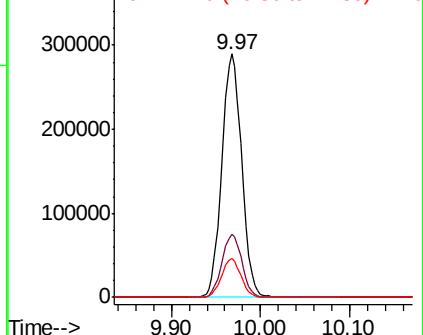
77 15.6 12.6 18.8



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: 4.719 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

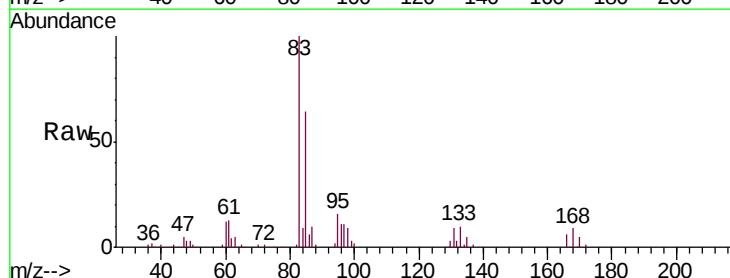
Tgt Ion: 83 Resp: 76597

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.7

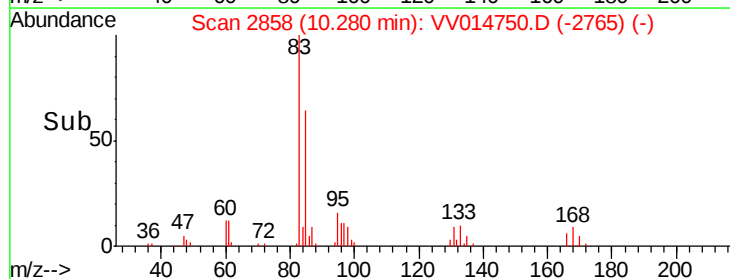
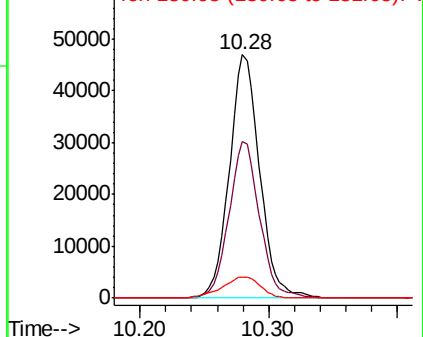
131 8.8 7.4 11.2

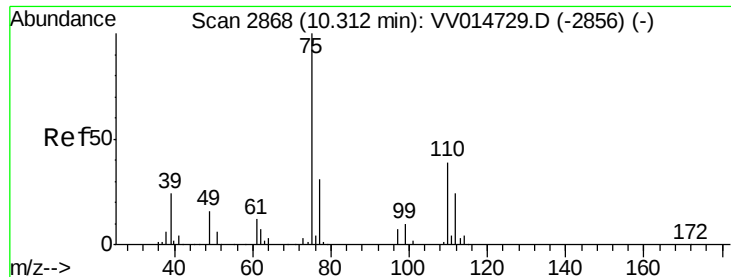


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.688 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

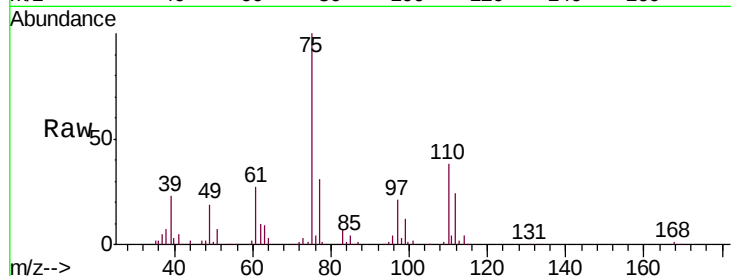
BFB42

Tgt Ion: 75 Resp: 55679

Ion Ratio Lower Upper

75 100

77 32.2 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV014729.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014729.D (-2856) (-)

10.31

30000

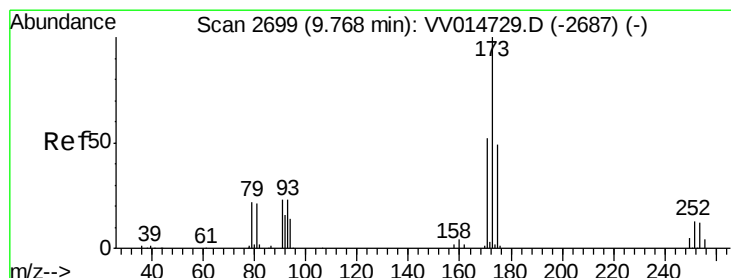
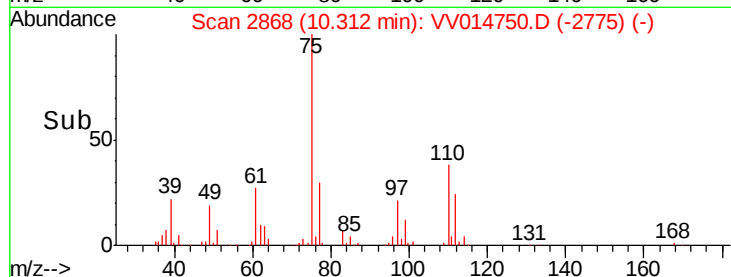
20000

10000

0

10.25 10.30 10.35 10.40

Time-->



#61

Bromoform

Concen: 5.599 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

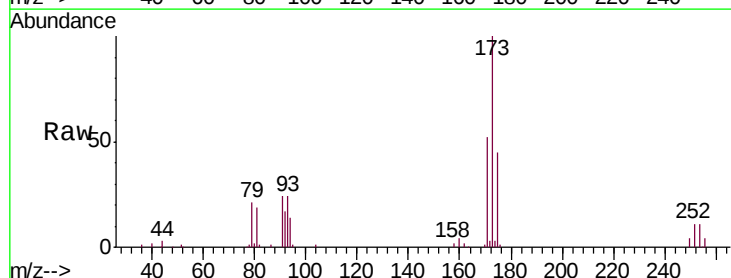
Tgt Ion: 173 Resp: 40917

Ion Ratio Lower Upper

173 100

175 46.4 38.6 57.8

254 11.7 9.4 14.0



Abundance Ion 172.90 (172.60 to 173.60): VV014729.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV014729.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV014729.D (-2687) (-)

9.77

30000

25000

20000

15000

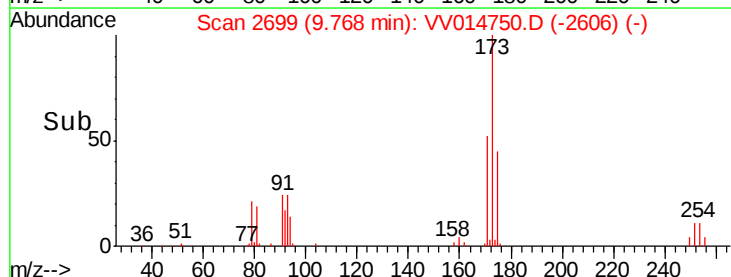
10000

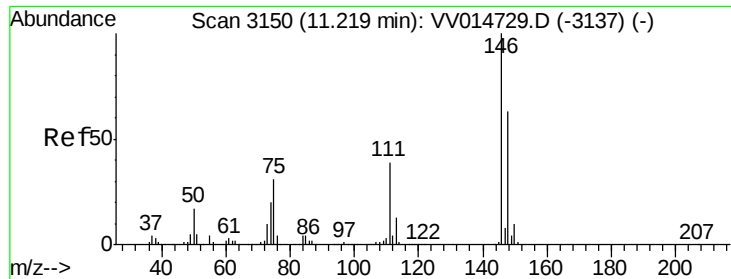
5000

0

9.70 9.75 9.80 9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.942 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampled :

BFB42

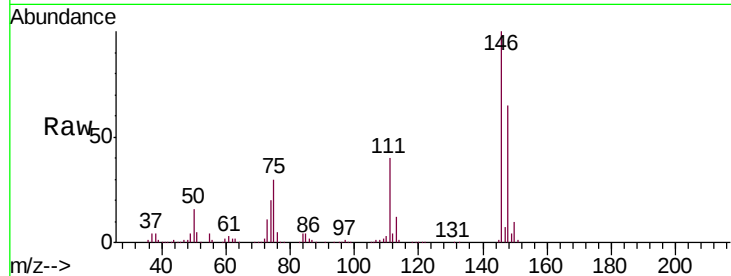
Tgt Ion:146 Resp: 209812

Ion Ratio Lower Upper

146 100

111 39.9 28.2 52.4

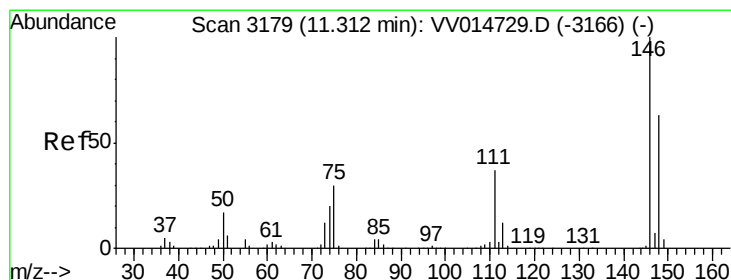
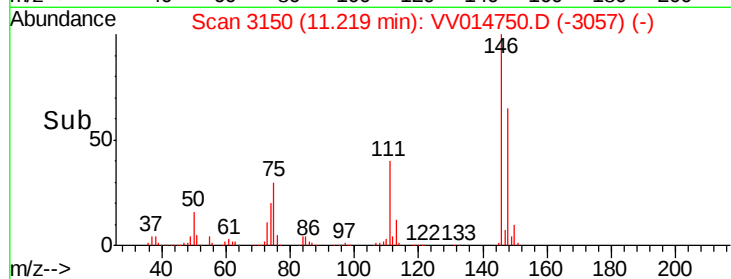
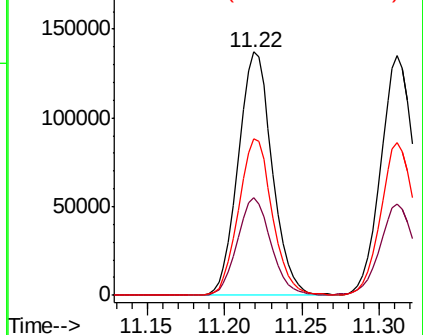
148 64.6 43.9 81.5



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: 4.798 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

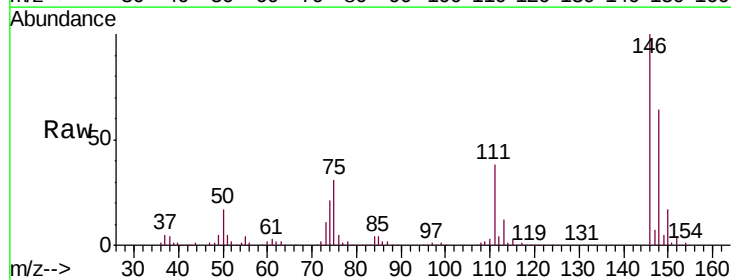
Tgt Ion:146 Resp: 208139

Ion Ratio Lower Upper

146 100

111 38.2 26.9 49.9

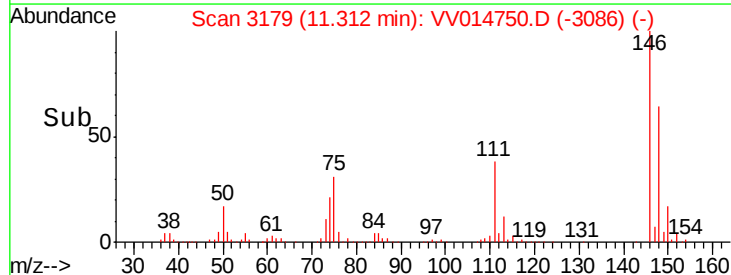
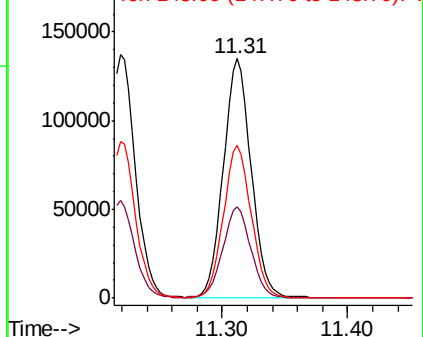
148 63.9 43.8 81.4

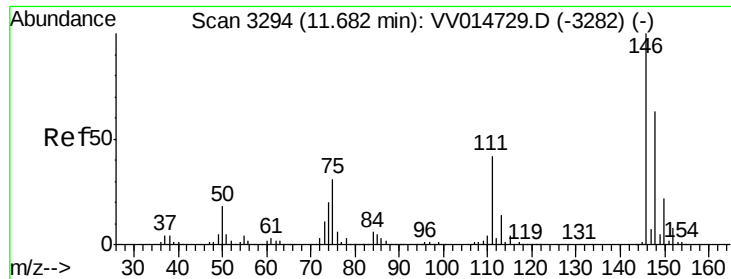


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.887 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

BFB42

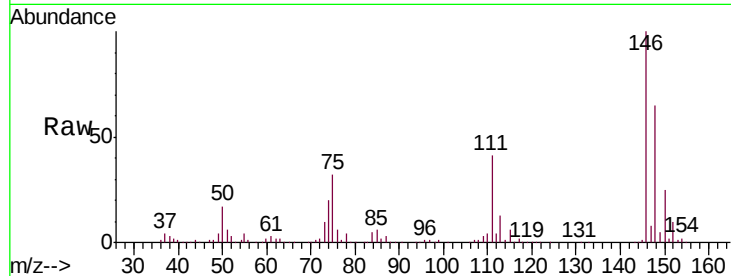
Tgt Ion:146 Resp: 191700

Ion Ratio Lower Upper

146 100

111 41.0 31.8 47.8

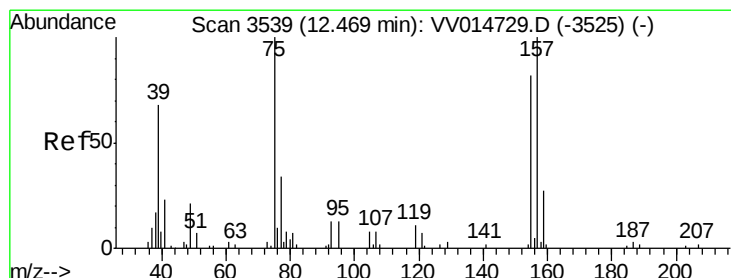
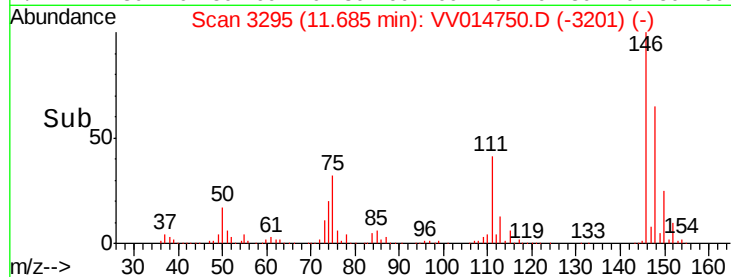
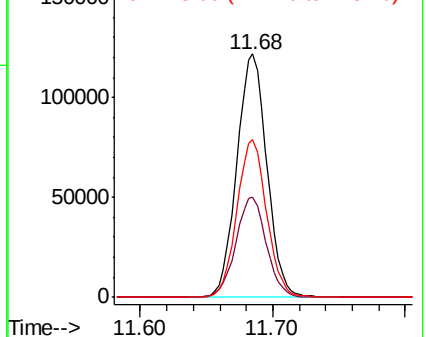
148 64.9 49.8 74.6



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: 4.727 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

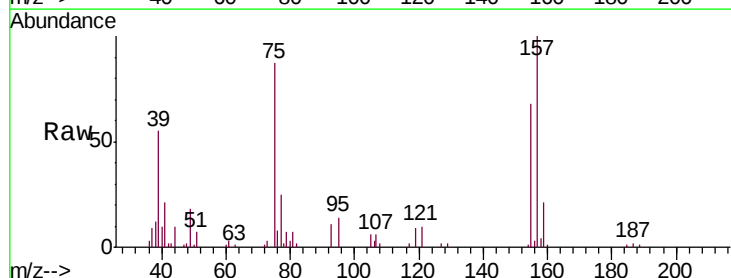
Tgt Ion: 75 Resp: 12271

Ion Ratio Lower Upper

75 100

155 78.3 68.3 102.5

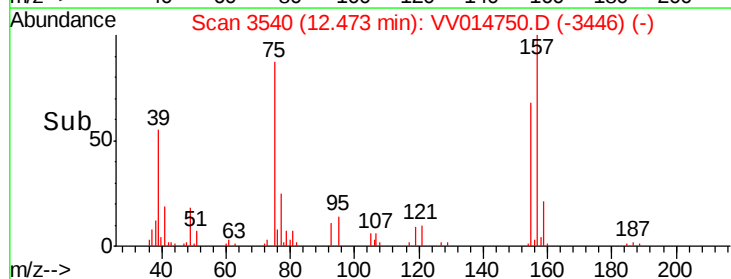
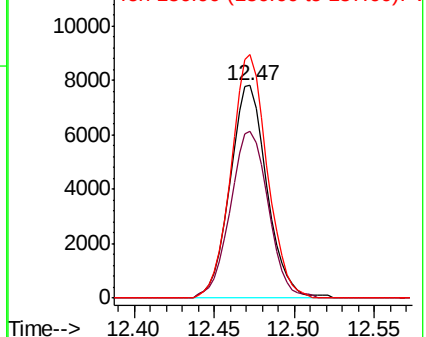
157 114.7 84.7 127.1

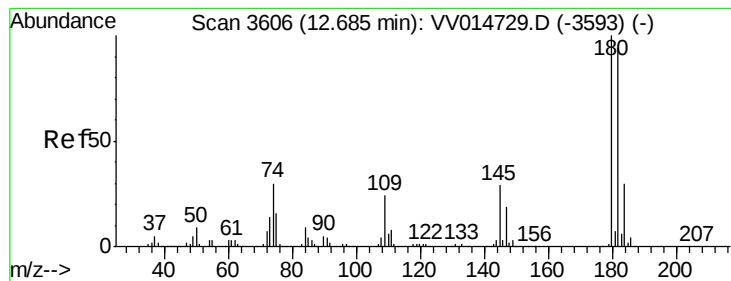


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.856 ug/L

RT: 12.68 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

BFB42

Tgt Ion:180 Resp: 167308

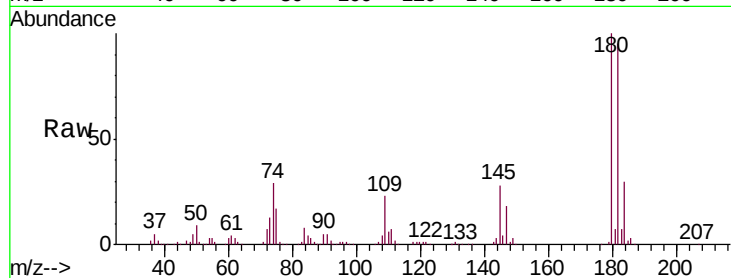
Ion Ratio Lower Upper

180 100

182 94.7 77.2 115.8

184 30.4 24.2 36.2

145 28.4 22.9 34.3

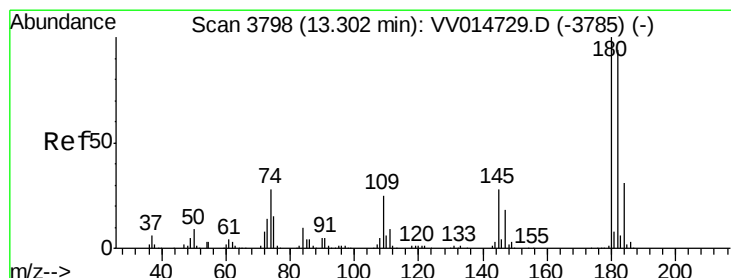
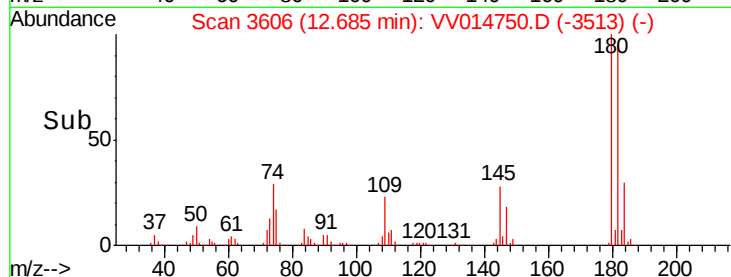
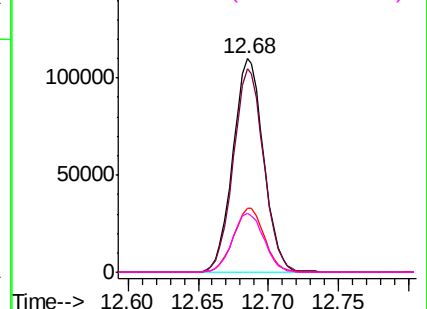


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 4.598 ug/L

RT: 13.30 min Scan# 3798

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

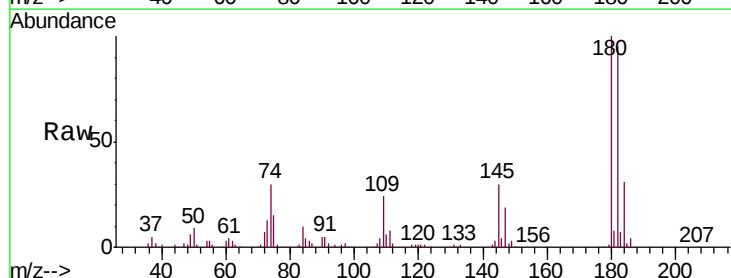
Tgt Ion:180 Resp: 136046

Ion Ratio Lower Upper

180 100

182 95.8 77.4 116.2

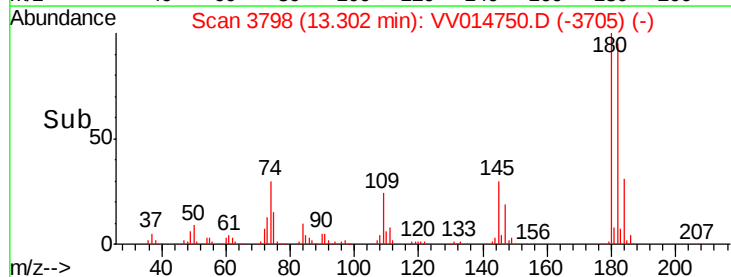
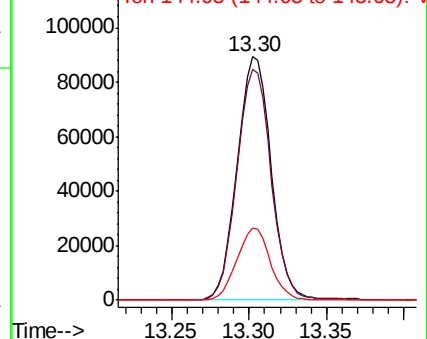
145 29.1 24.2 36.2

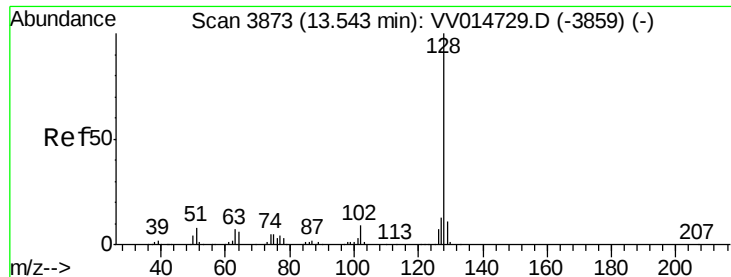


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.427 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

BFB42

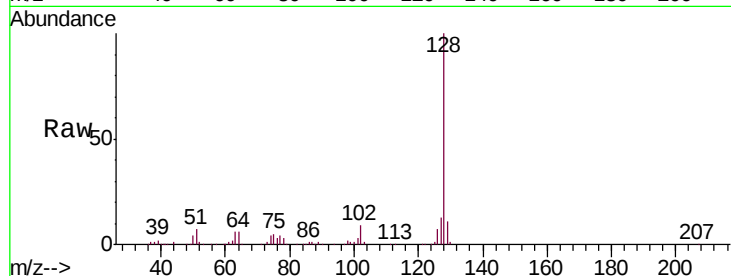
Tgt Ion:128 Resp: 213215

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

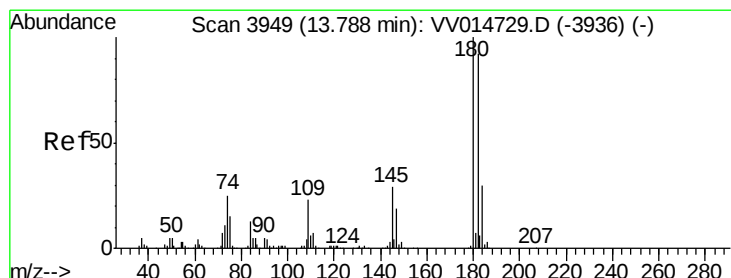
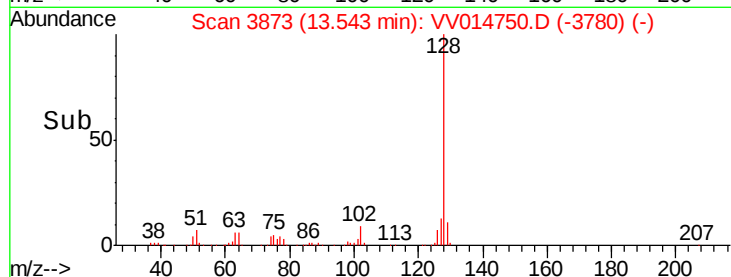
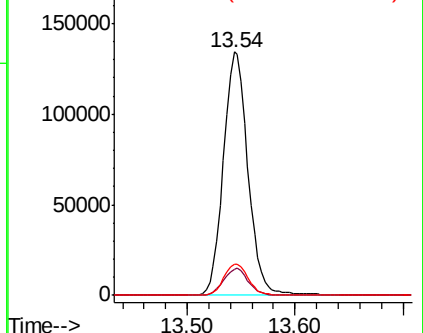
127 12.7 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.618 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014750.D

Acq: 05 Mar 2020 10:07

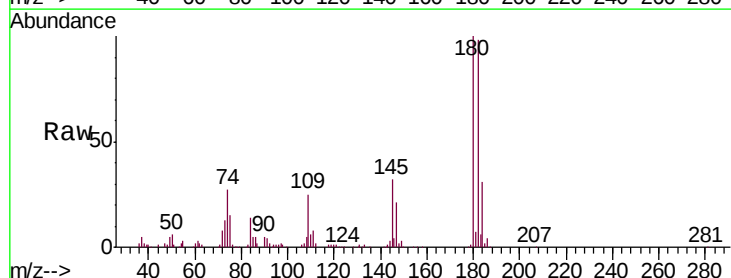
Tgt Ion:180 Resp: 121947

Ion Ratio Lower Upper

180 100

182 97.2 76.7 115.1

145 30.9 25.3 37.9



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

