

Data File : VV014758.D
Acq On : 05 Mar 2020 16:26
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Quant Time: Mar 06 02:42:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 06 02:39:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	232384	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	220605	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	117631	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67454	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.58	69	61180	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.13	63	129068	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	3.98	46	200922	53.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.86%
24) Chloroform-d	4.40	84	155727	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.08	65	83230	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.09	84	313667	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.11	67	99643	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.35	98	291086	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.66	79	38148	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.13	63	158572	50.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.28%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	77459	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	110427	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	116728	4.573	ug/L 100
3) Chloromethane	1.25	50	98162	4.176	ug/L 99
5) Vinyl chloride	1.32	62	93720	4.337	ug/L 99
6) Bromomethane	1.53	94	57199	4.698	ug/L 96
8) Chloroethane	1.60	64	54795	4.527	ug/L 96
9) Trichlorofluoromethane	1.77	101	141420	4.805	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	73113	4.747	ug/L 99
12) 1,1-Dichloroethene	2.14	96	67981	4.642	ug/L 97
13) Acetone	2.48	43	21686	8.569	ug/L 78
14) Carbon disulfide	2.31	76	192218	3.849	ug/L 99
15) Methyl Acetate	2.48	43	29706	4.625	ug/L 98
16) Methylene chloride	2.53	84	84886	4.634	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	194431	4.881	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	83614	4.723	ug/L 95
19) 1,1-Dichloroethane	3.22	63	161823	4.673	ug/L 100
21) 2-Butanone	4.05	43	207581	48.195	ug/L 89
22) cis-1,2-Dichloroethene	3.96	96	91543	4.838	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	38292	5.042	ug/L #	81
25) Chloroform	4.42	83	174831	5.144	ug/L	97
27) 1,2-Dichloroethane	5.18	62	100327	4.820	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	141926	4.880	ug/L	98
30) Cyclohexane	4.71	56	149380	4.563	ug/L	100
31) Carbon tetrachloride	4.87	117	123139	4.915	ug/L	97
33) Benzene	5.14	78	351212	4.849	ug/L	100
34) Trichloroethene	5.95	95	92912	4.897	ug/L	96
35) Methylcyclohexane	6.17	83	151751	4.702	ug/L	99
37) 1,2-Dichloropropane	6.22	63	87974	4.754	ug/L	98
38) Bromodichloromethane	6.55	83	111886	4.957	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	131637	4.911	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	512812	46.282	ug/L	98
42) Toluene	7.42	91	377625	4.923	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	100656	4.840	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	60945	5.159	ug/L	97
47) Tetrachloroethene	8.01	164	77323	5.097	ug/L	96
48) 2-Hexanone	8.18	43	376452	47.685	ug/L	97
49) Dibromochloromethane	8.29	129	72367	5.418	ug/L	97
50) 1,2-Dibromoethane	8.39	107	55136	4.889	ug/L	94
51) Chlorobenzene	8.92	112	240589	4.953	ug/L	97
52) Ethylbenzene	9.05	91	420689	4.837	ug/L	99
53) m,p-xylene	9.17	106	158097	4.965	ug/L	99
54) o-xylene	9.58	106	151846	4.899	ug/L	97
55) Styrene	9.60	104	262660	5.044	ug/L	100
56) Isopropylbenzene	9.97	105	417870	4.990	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	73281	4.961	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	54004	4.997	ug/L	99
61) Bromoform	9.77	173	38679	5.588	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	198896	4.946	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	198208	4.824	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	181217	4.878	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	11244	4.573	ug/L	95
67) 1,3,5-Trichlorobenzene	12.68	180	159716	4.894	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	133648	4.769	ug/L	99
69) Naphthalene	13.54	128	213101	4.671	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	121514	4.858	ug/L	99

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

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ClientSampleId :
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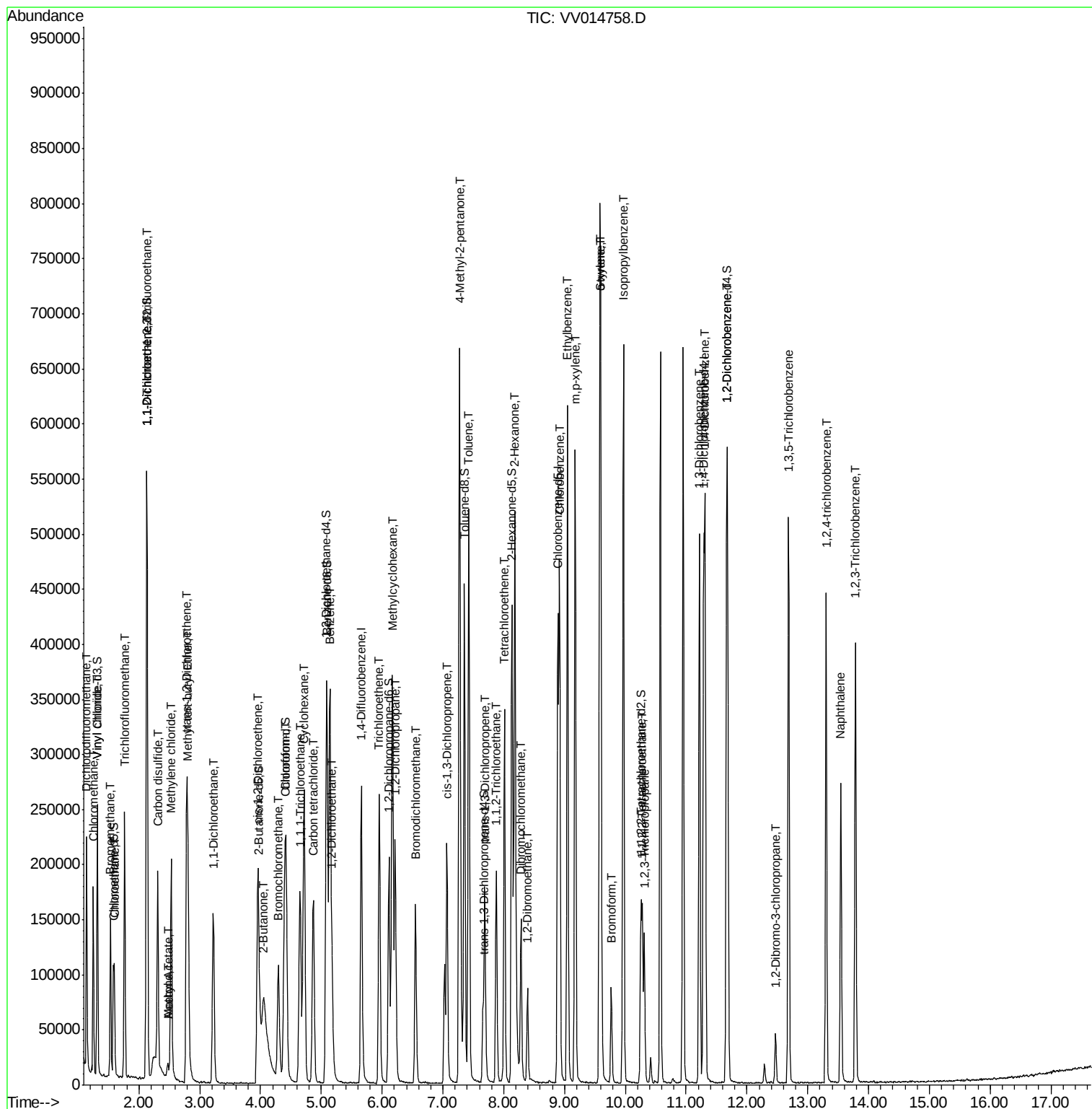
Quant Time: Mar 06 02:42:43 2020

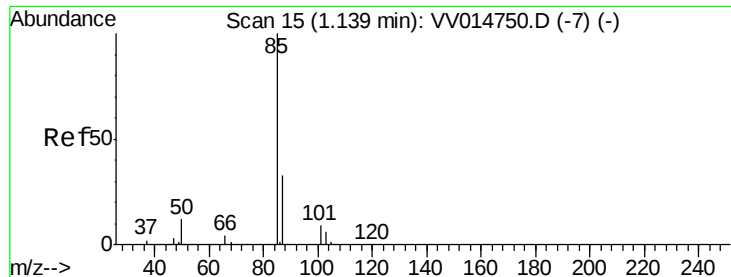
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR022820WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.573 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

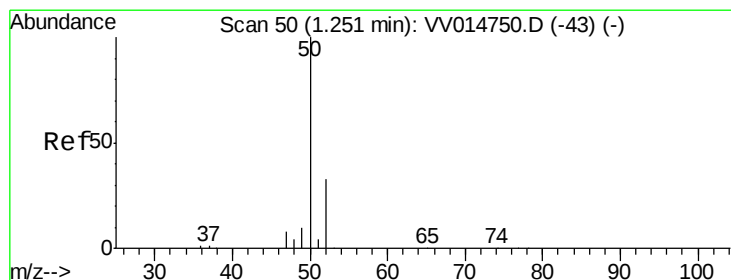
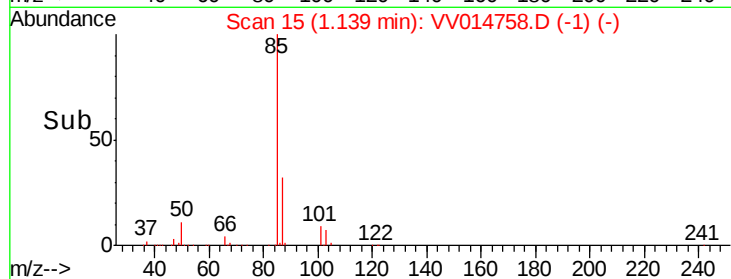
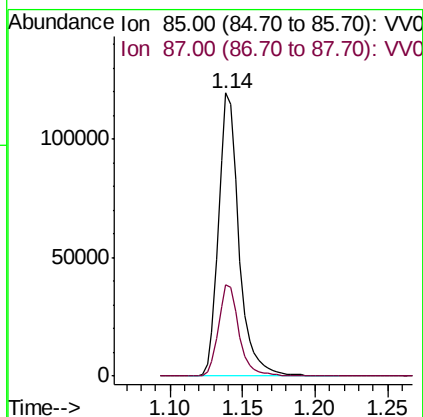
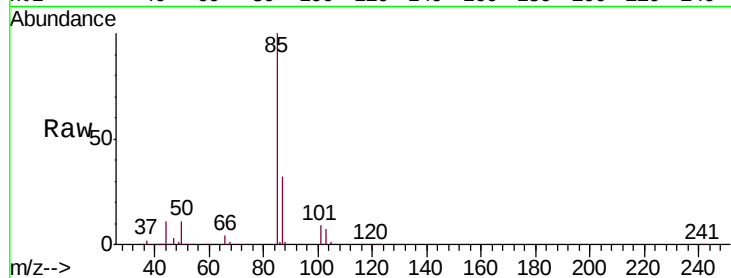
VSTD00539

Tgt Ion: 85 Resp: 116728

Ion Ratio Lower Upper

85 100

87 32.4 26.1 39.1



#3

Chloromethane

Concen: 4.176 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014758.D

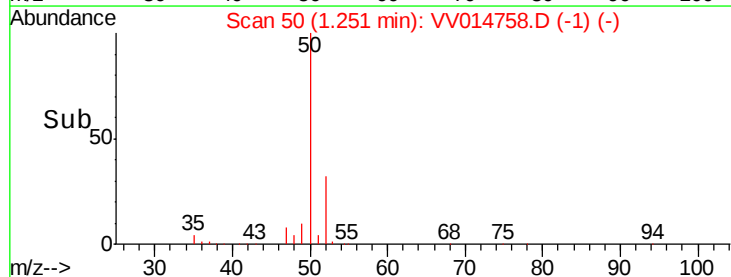
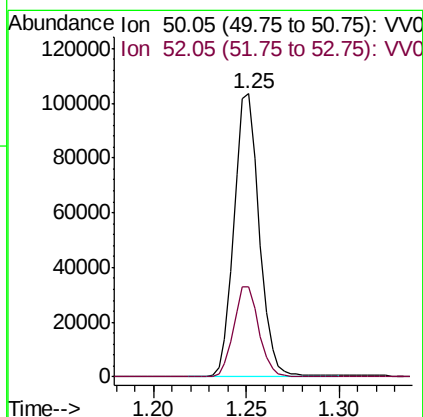
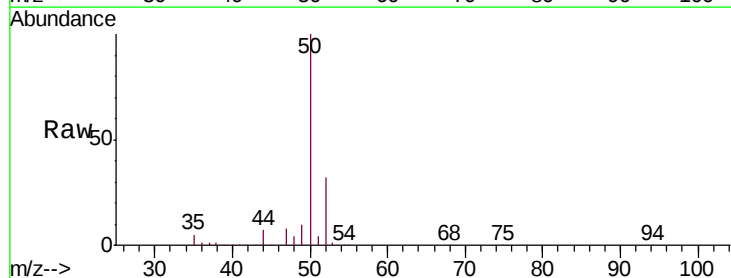
Acq: 05 Mar 2020 16:26

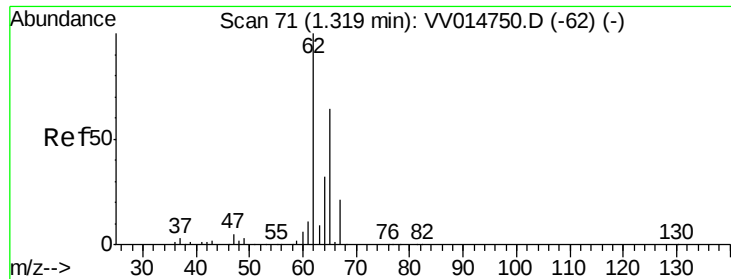
Tgt Ion: 50 Resp: 98162

Ion Ratio Lower Upper

50 100

52 32.0 22.9 42.5





#5

Vinyl chloride

Concen: 4.337 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampled :

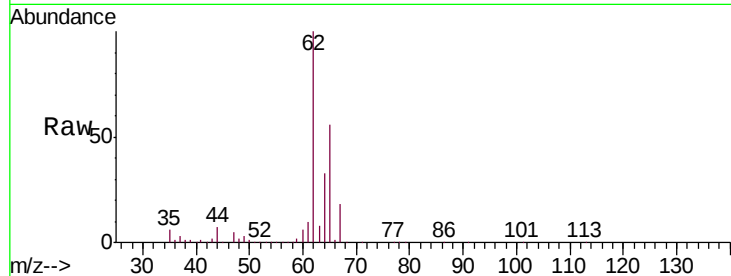
VSTD00539

Tgt Ion: 62 Resp: 93720

Ion Ratio Lower Upper

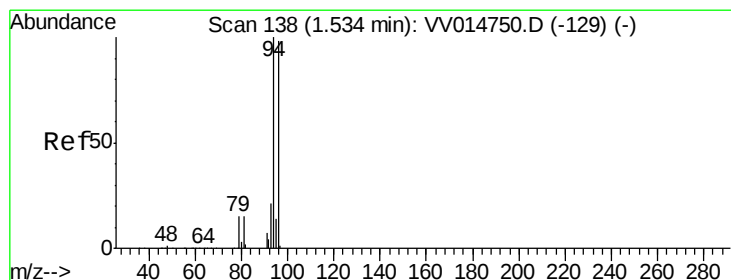
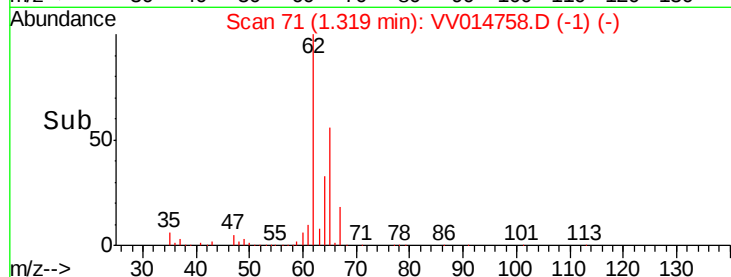
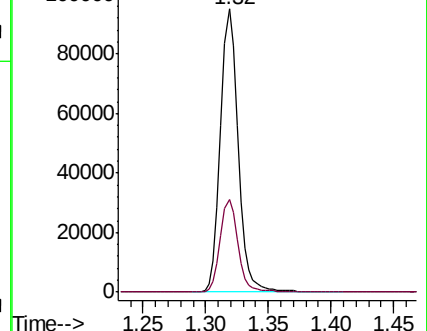
62 100

64 32.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.698 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014758.D

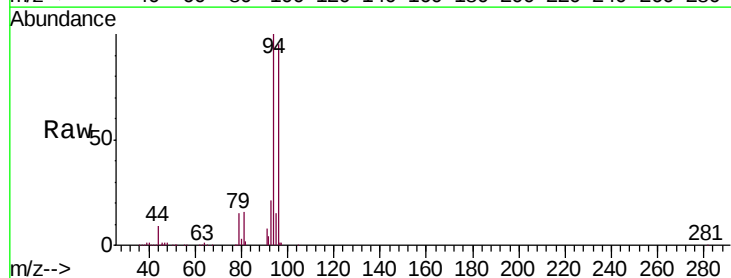
Acq: 05 Mar 2020 16:26

Tgt Ion: 94 Resp: 57199

Ion Ratio Lower Upper

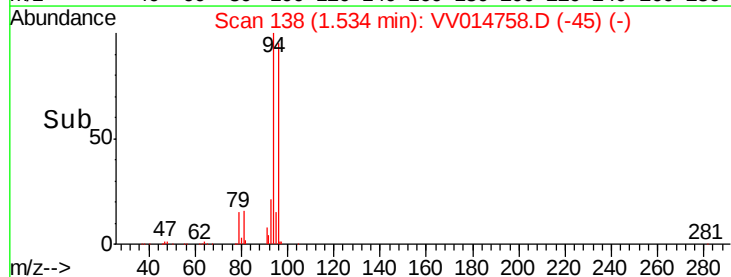
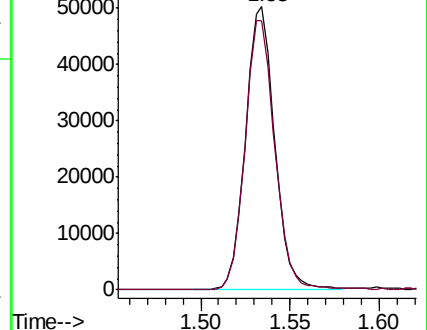
94 100

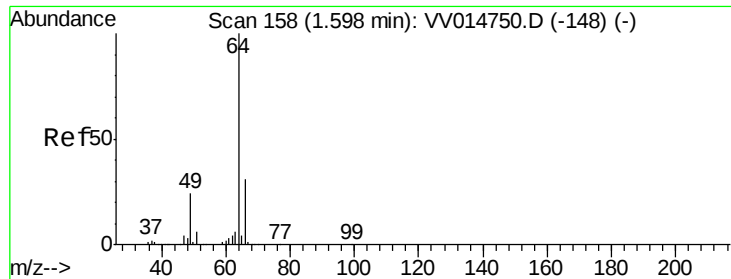
96 95.3 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

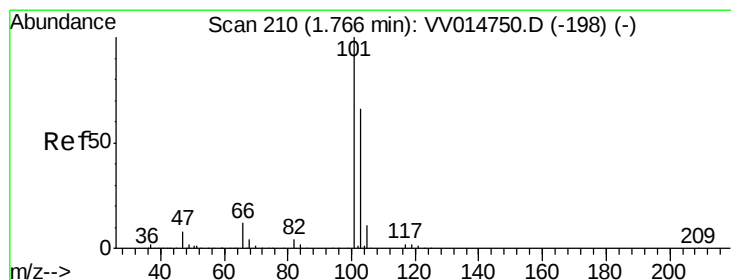
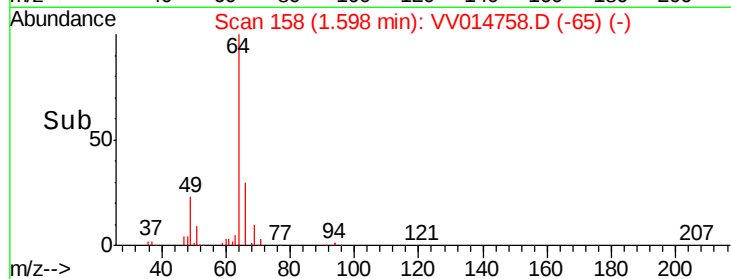
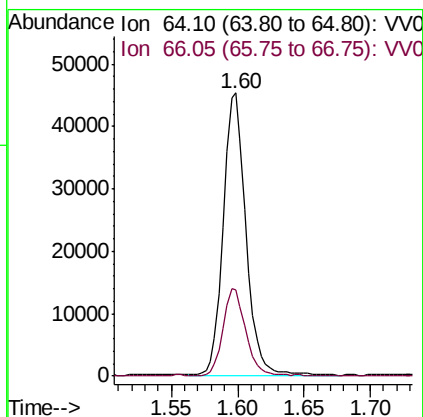
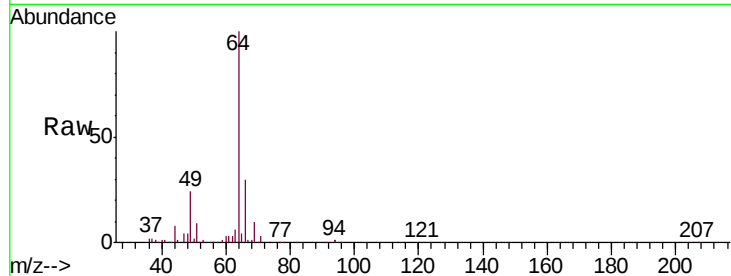




#8
Chloroethane
Concen: 4.527 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

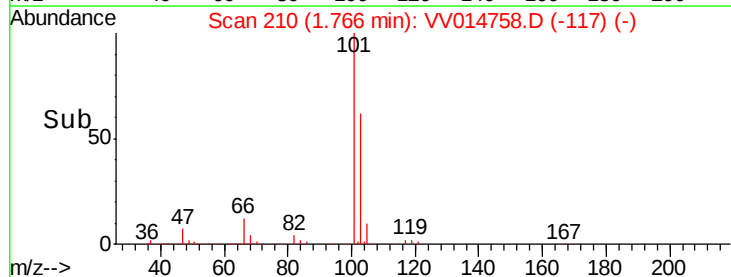
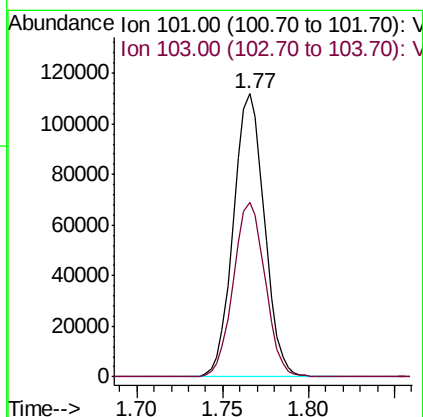
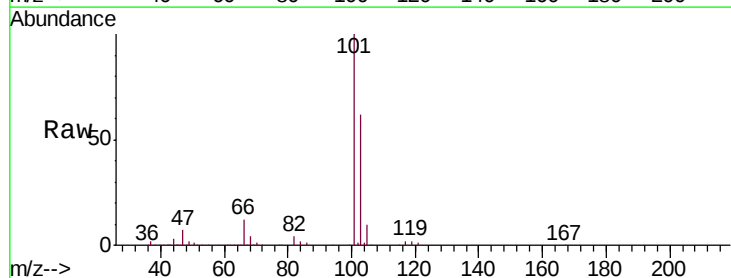
Instrument :
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VSTD00539

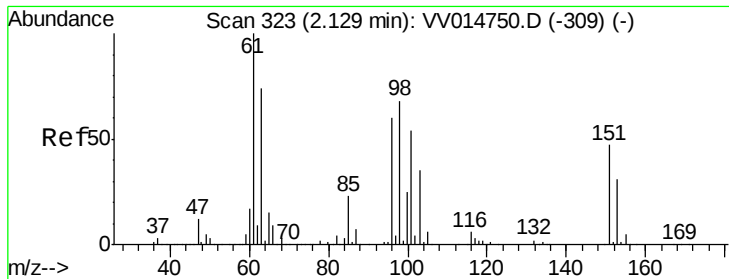
Tgt Ion: 64 Resp: 54795
Ion Ratio Lower Upper
64 100
66 30.3 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.805 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Tgt Ion: 101 Resp: 141420
Ion Ratio Lower Upper
101 100
103 63.1 51.8 77.6





#10

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

Concen: 4.747 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

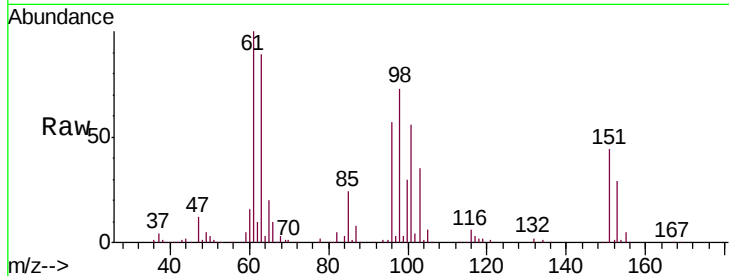
Tgt Ion: 101 Resp: 73113

Ion Ratio Lower Upper

101 100

85 42.5 35.3 52.9

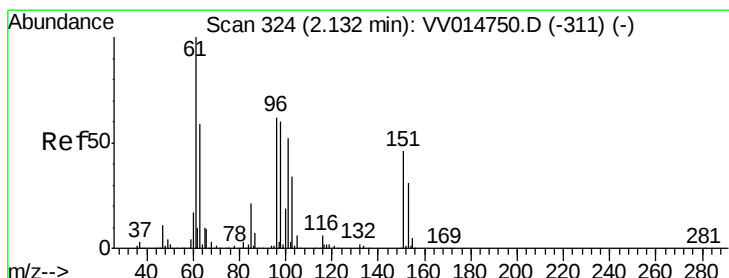
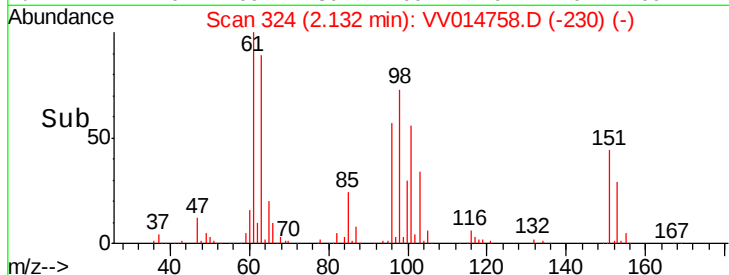
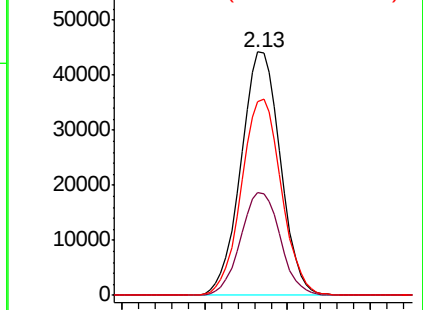
151 81.8 65.3 97.9



Abundance Ion 101.00 (100.70 to 101.70): VV014758.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV014758.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV014758.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 4.642 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

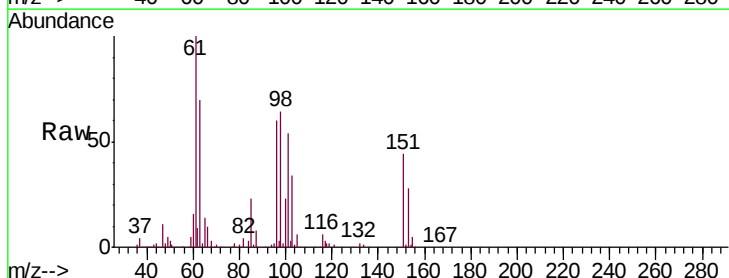
Tgt Ion: 96 Resp: 67981

Ion Ratio Lower Upper

96 100

61 168.0 121.3 225.3

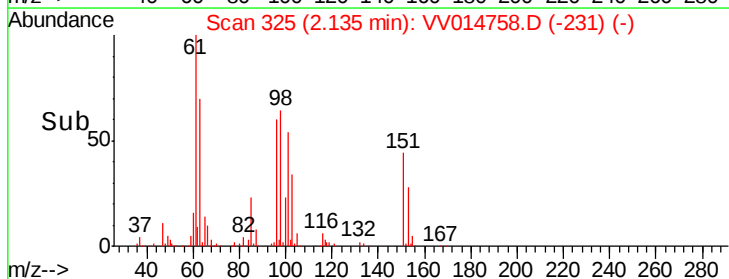
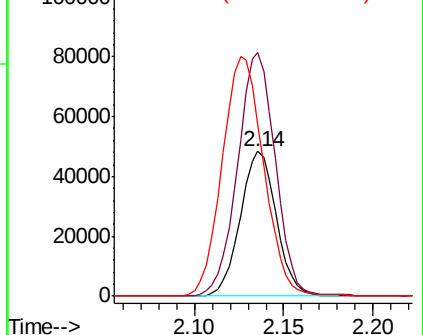
63 118.3 81.6 151.6

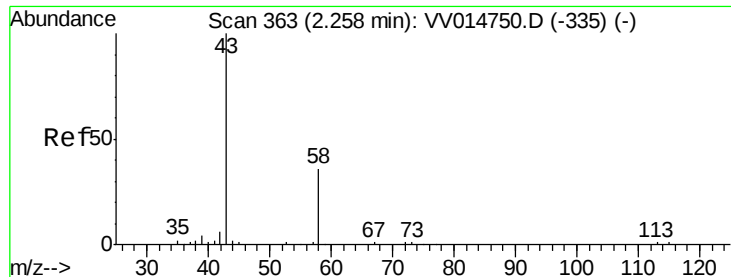


Abundance Ion 96.00 (95.70 to 96.70): VV014758.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV014758.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV014758.D (-231) (-)





#13

Acetone

Concen: 8.569 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.22 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

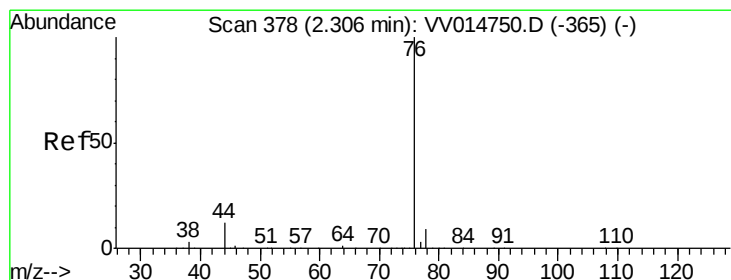
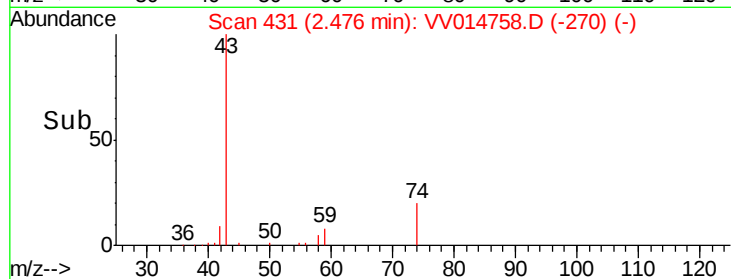
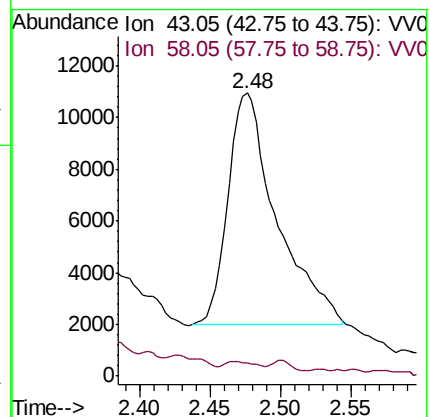
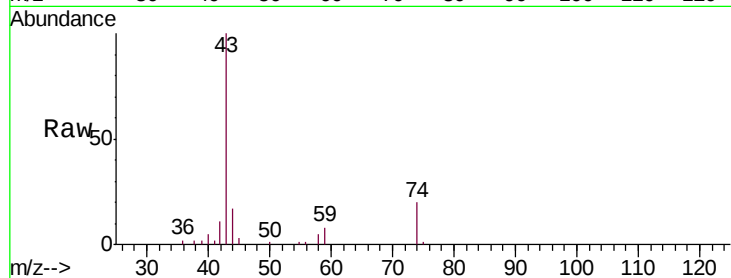
VSTD00539

Tgt Ion: 43 Resp: 21686

Ion Ratio Lower Upper

43 100

58 2.0 0.0 20.0



#14

Carbon disulfide

Concen: 3.849 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV014758.D

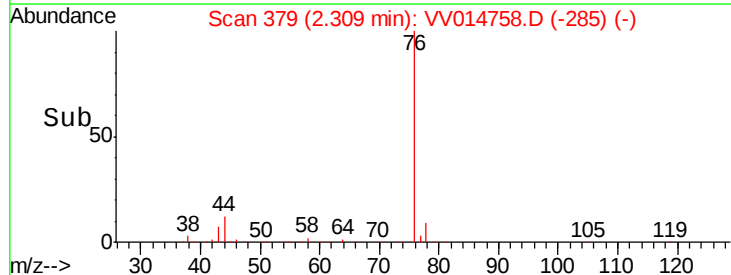
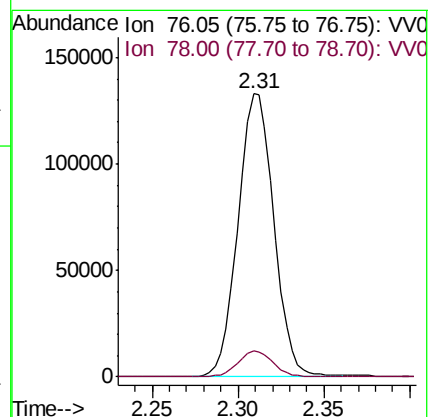
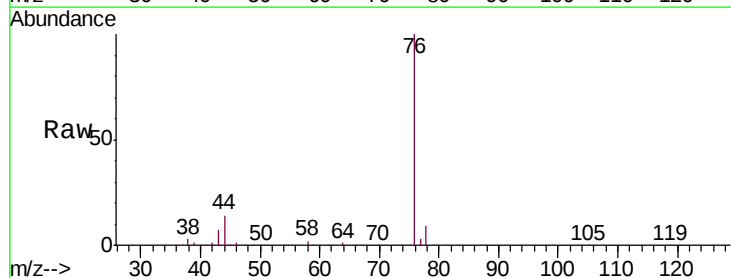
Acq: 05 Mar 2020 16:26

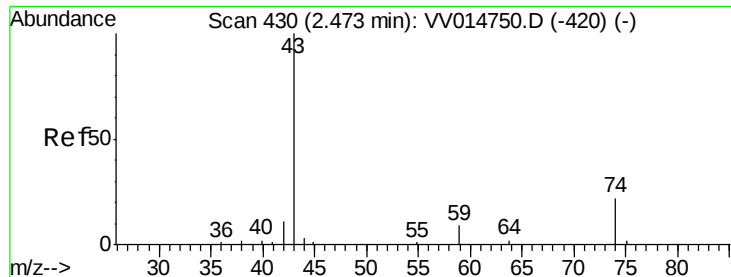
Tgt Ion: 76 Resp: 192218

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

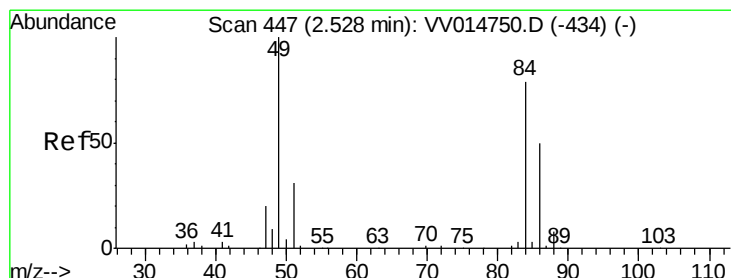
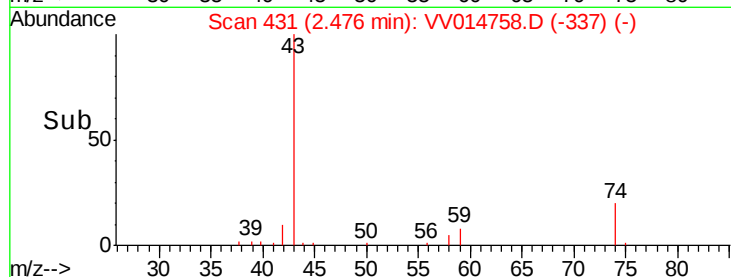
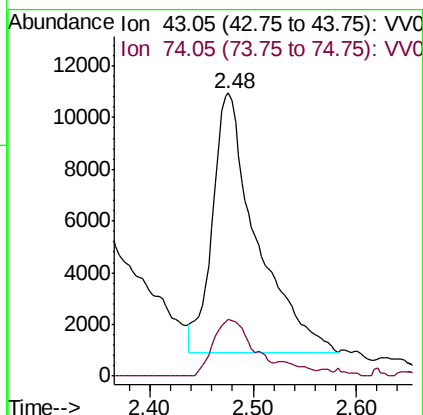
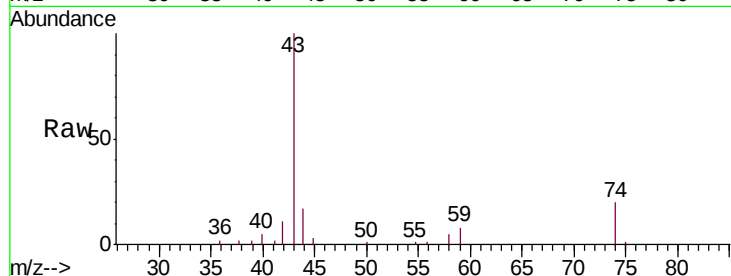




#15
Methyl Acetate
Concen: 4.625 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

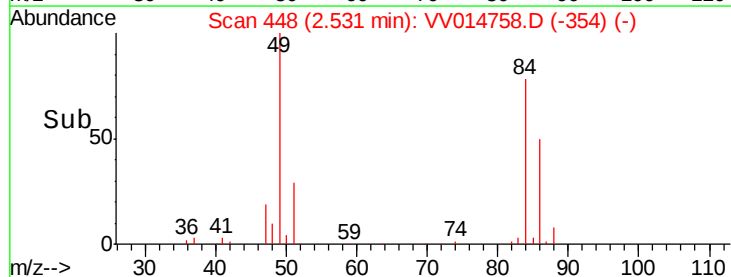
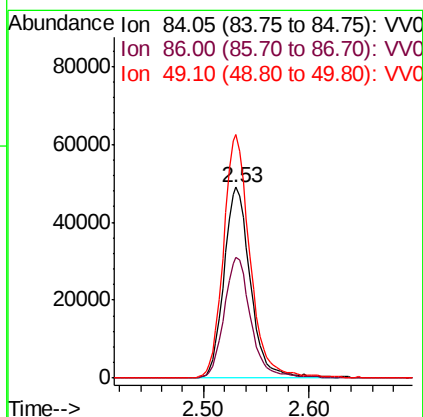
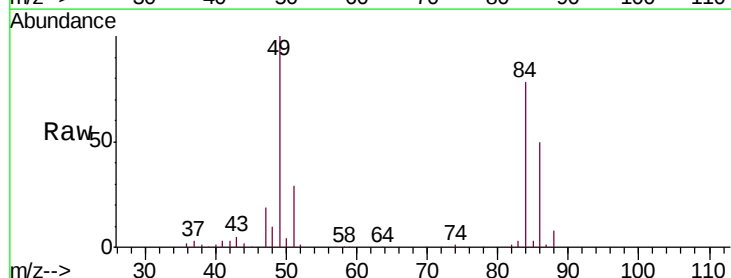
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

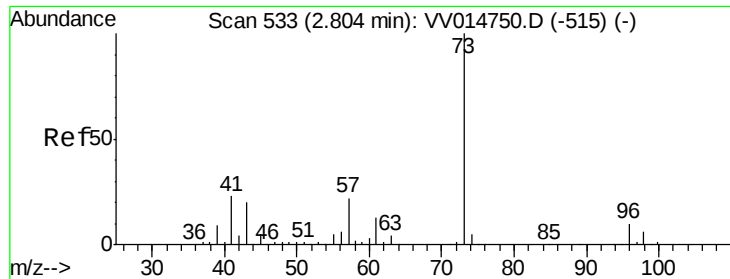
Tgt Ion: 43 Resp: 29706
Ion Ratio Lower Upper
43 100
74 19.5 14.8 22.2



#16
Methylene chloride
Concen: 4.634 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Tgt Ion: 84 Resp: 84886
Ion Ratio Lower Upper
84 100
86 63.3 44.9 83.5
49 127.5 95.6 177.6

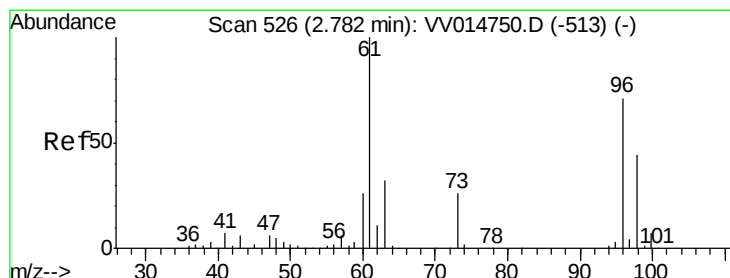
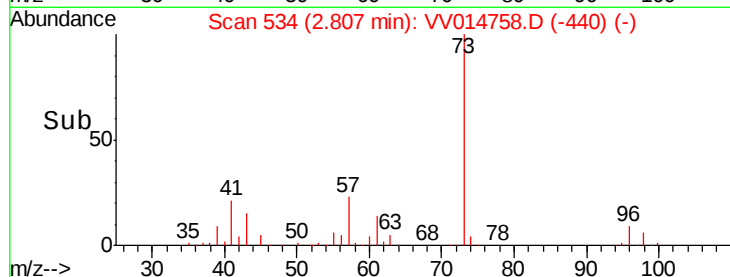
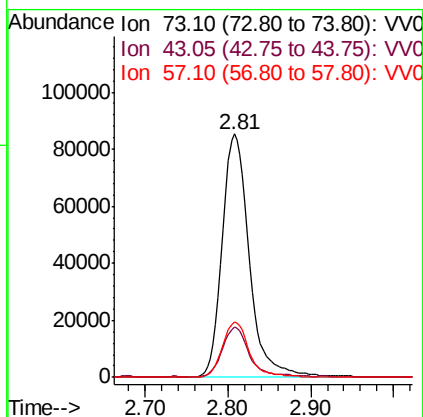
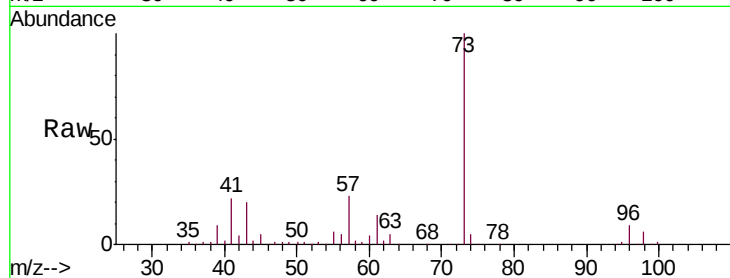




#17
Methyl tert-butyl Ether
Concen: 4.881 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

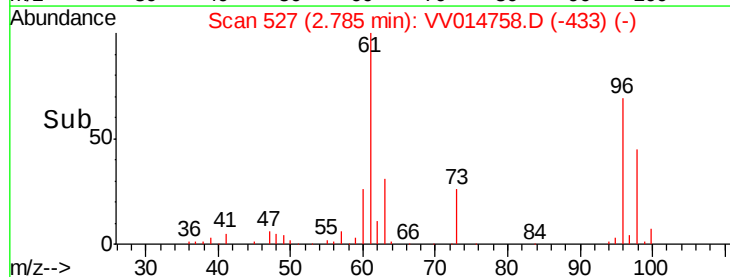
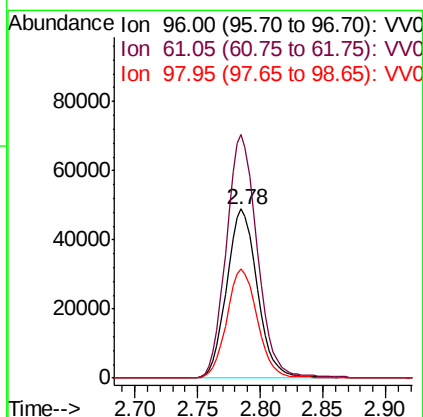
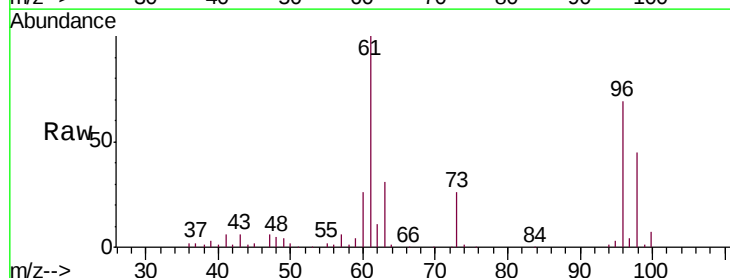
Instrument :
MSVOA_V
ClientSampled :
VSTD00539

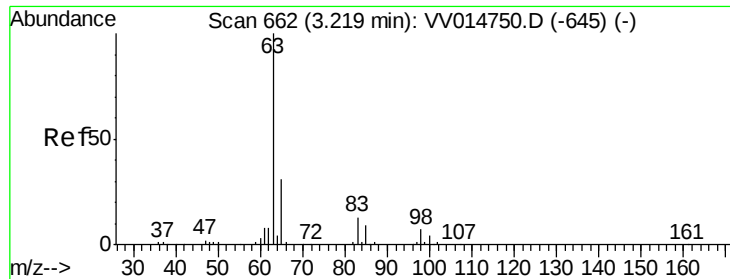
Tgt Ion: 73 Resp: 194431
Ion Ratio Lower Upper
73 100
43 19.5 16.0 24.0
57 22.5 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.723 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Tgt Ion: 96 Resp: 83614
Ion Ratio Lower Upper
96 100
61 143.9 104.9 194.9
98 64.5 42.9 79.7

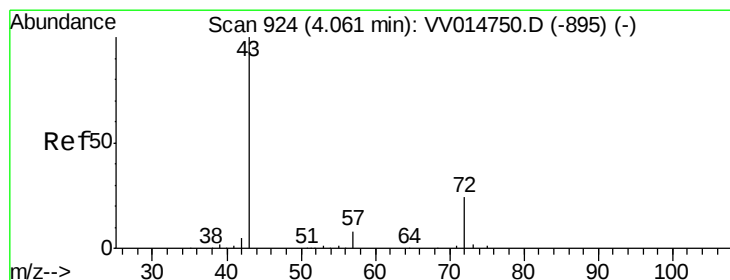
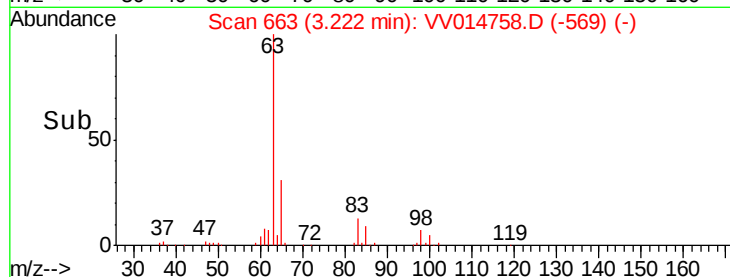
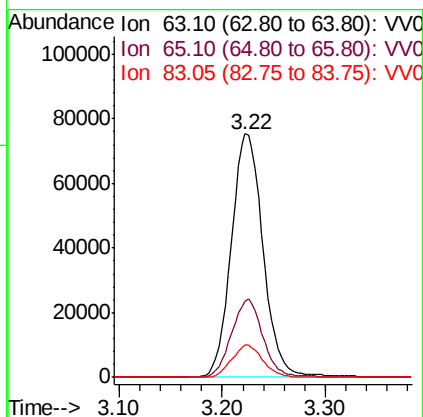
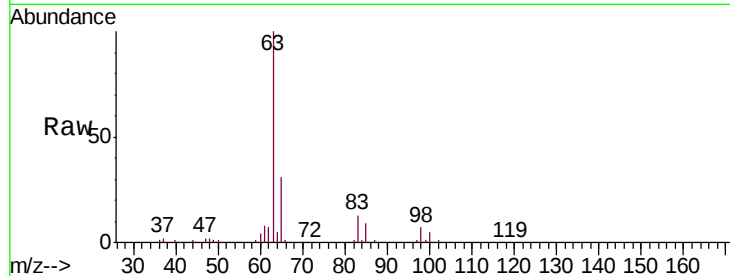




#19
 1,1-Dichloroethane
 Concen: 4.673 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

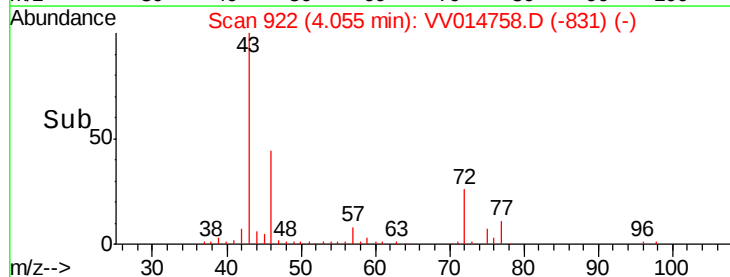
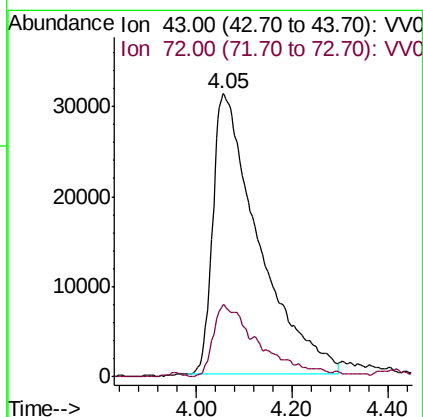
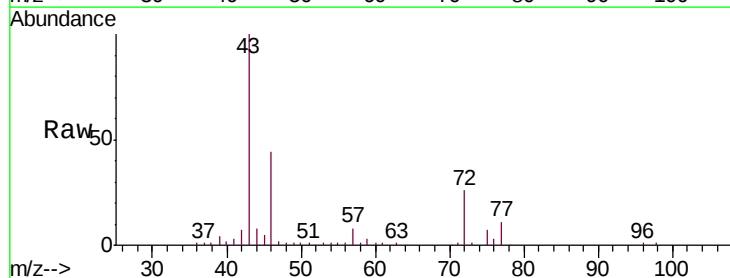
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

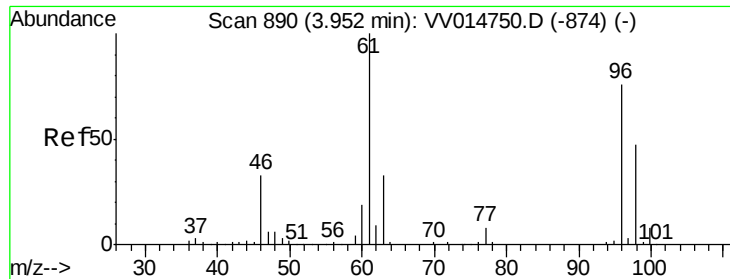
Tgt Ion: 63 Resp: 161823
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.9 40.7
 83 13.2 9.0 16.6



#21
 2-Butanone
 Concen: 48.195 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

Tgt Ion: 43 Resp: 207581
 Ion Ratio Lower Upper
 43 100
 72 16.1 10.5 31.6



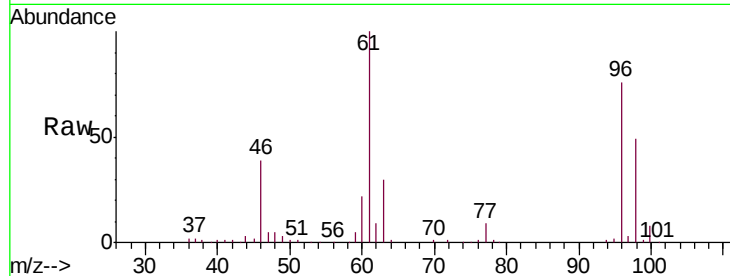


#22

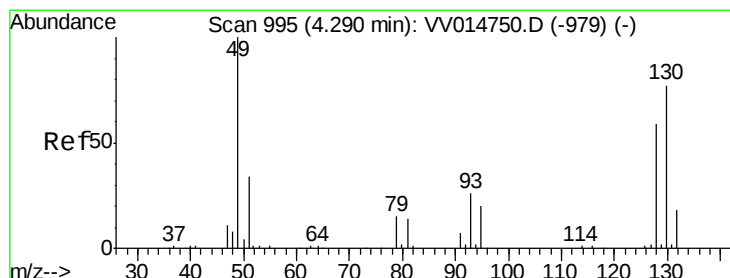
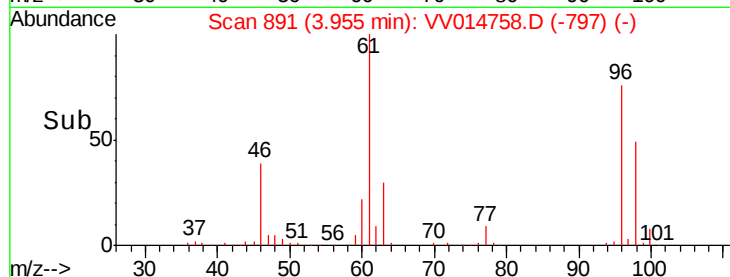
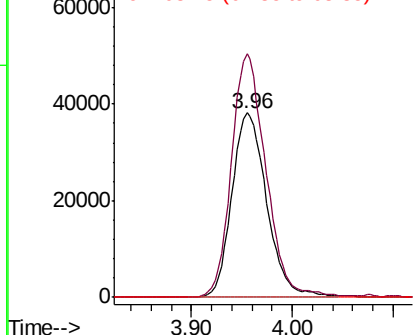
cis-1,2-Dichloroethene
 Concen: 4.838 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion: 96 Resp: 91543
 Ion Ratio Lower Upper
 96 100
 61 132.1 93.3 173.3
 68 0.0 0.0 0.0



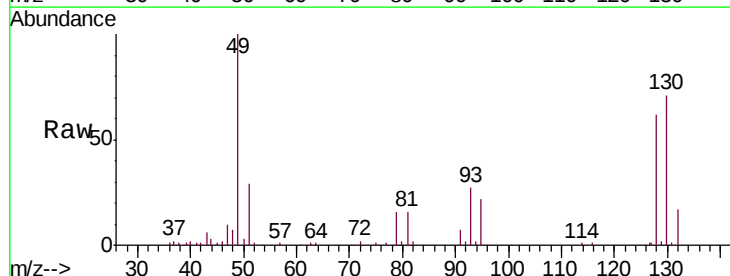
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



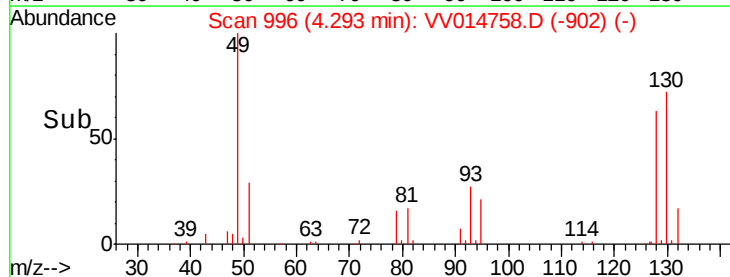
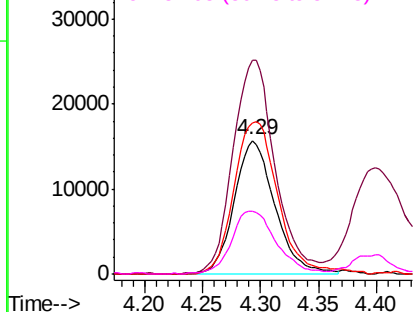
#23

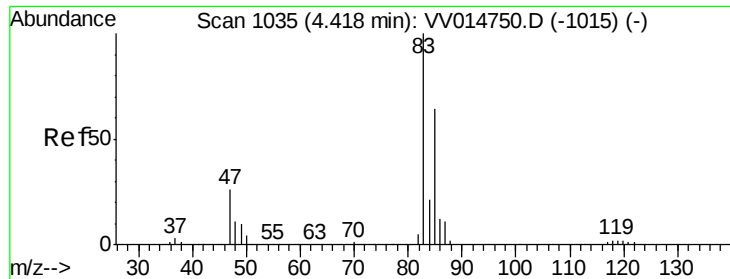
Bromochloromethane
 Concen: 5.042 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

Tgt Ion: 128 Resp: 38292
 Ion Ratio Lower Upper
 128 100
 49 160.4 136.2 252.9
 130 113.3 90.3 167.7
 51 47.3 47.9 71.9#



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

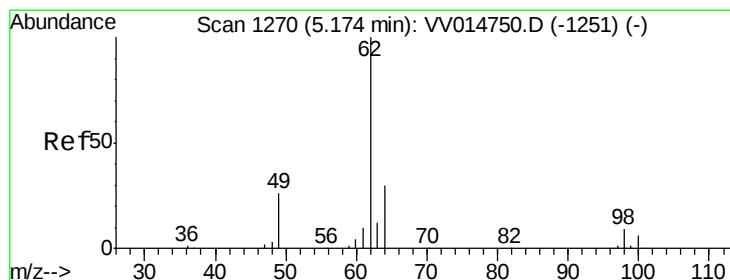
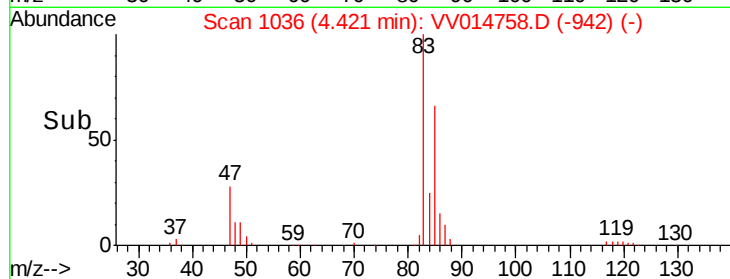
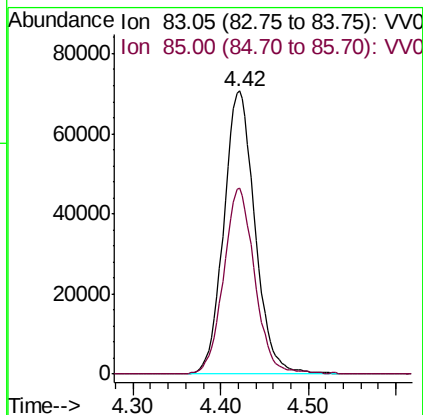
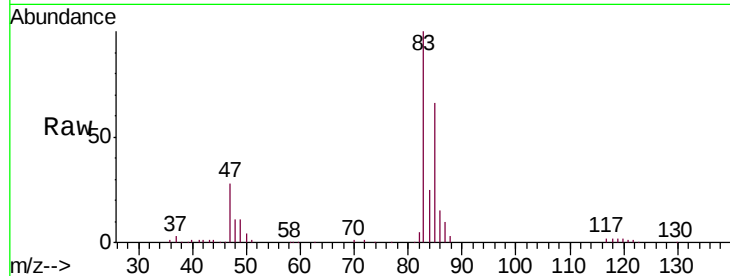




#25
Chloroform
Concen: 5.144 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

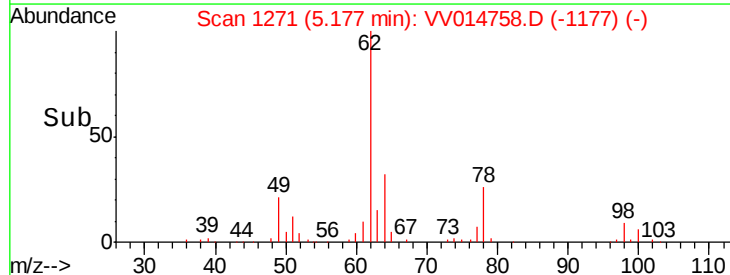
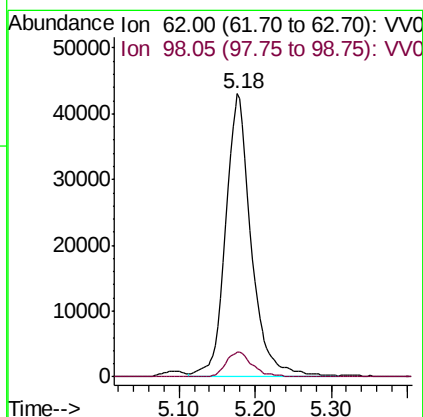
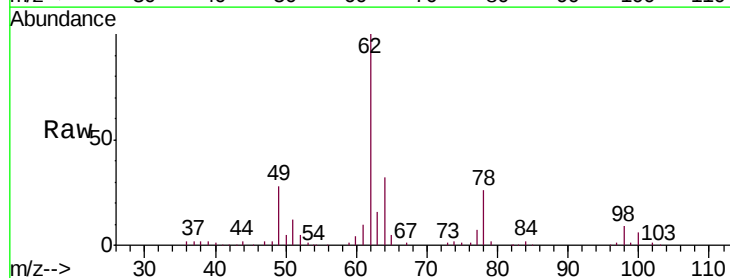
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

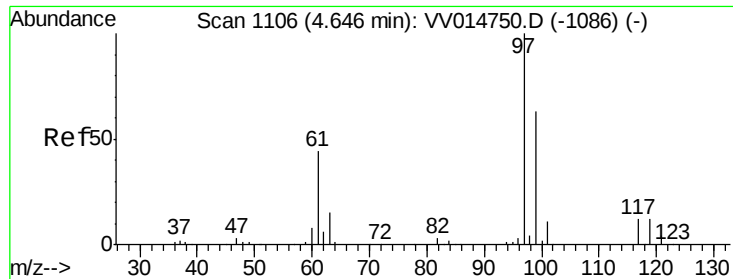
Tgt Ion: 83 Resp: 174831
Ion Ratio Lower Upper
83 100
85 66.0 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.820 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Tgt Ion: 62 Resp: 100327
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.2

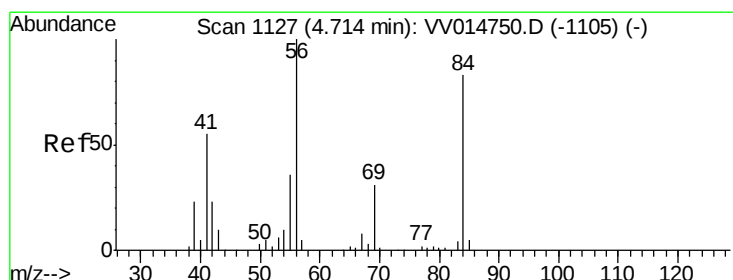
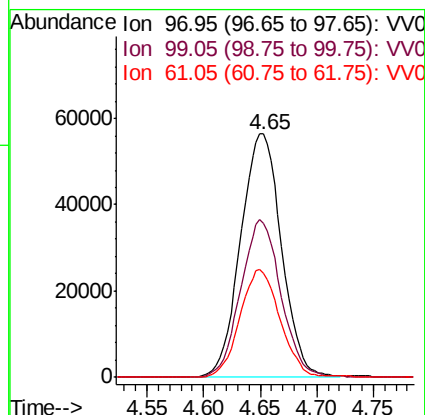
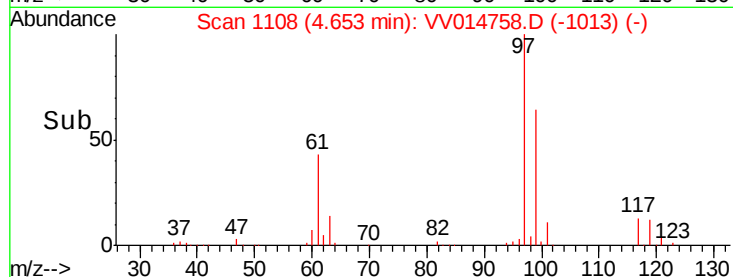
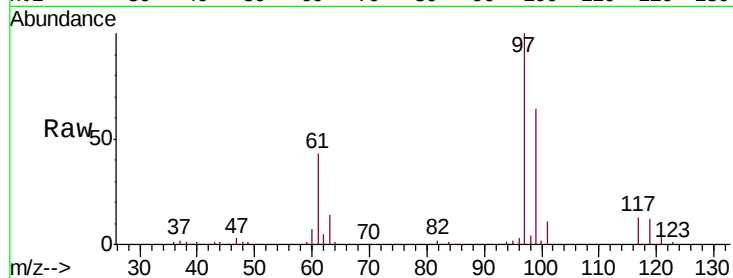




#29
1,1,1-Trichloroethane
Concen: 4.880 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

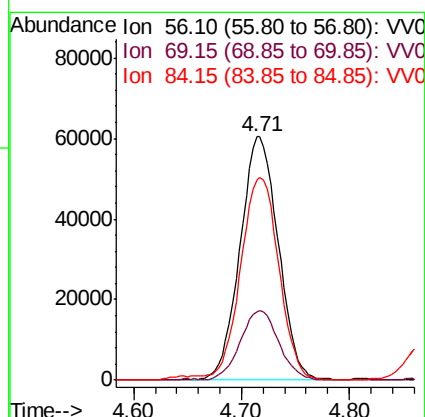
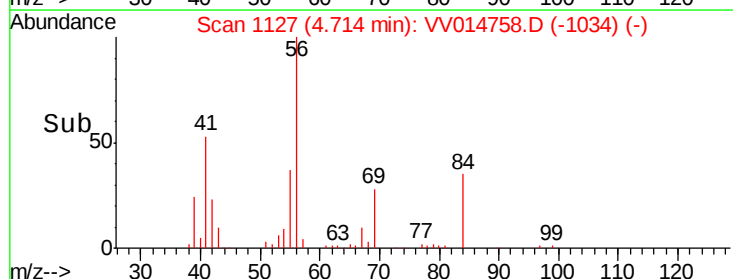
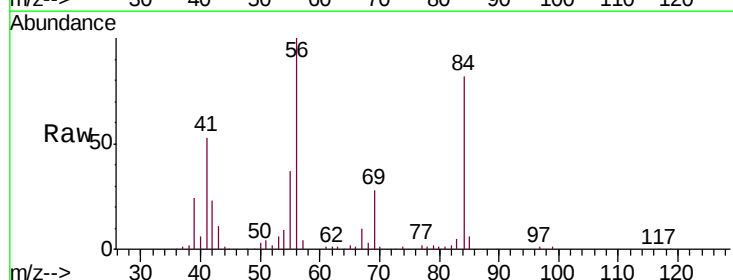
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

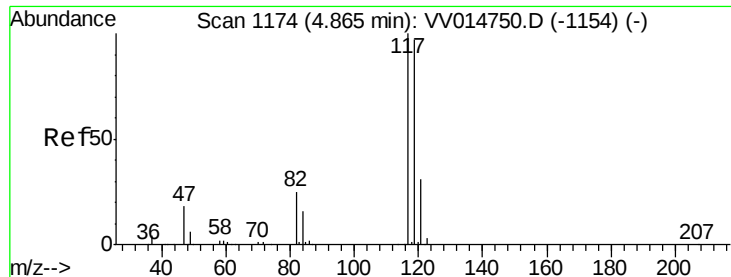
Tgt Ion: 97 Resp: 141926
Ion Ratio Lower Upper
97 100
99 63.9 50.6 76.0
61 43.6 36.3 54.5



#30
Cyclohexane
Concen: 4.563 ug/L
RT: 4.71 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Tgt Ion: 56 Resp: 149380
Ion Ratio Lower Upper
56 100
69 28.8 23.4 35.2
84 82.9 66.3 99.5

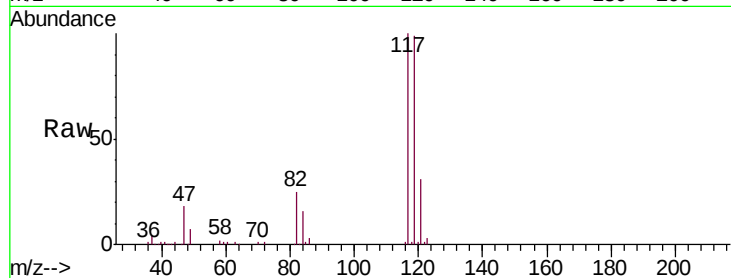




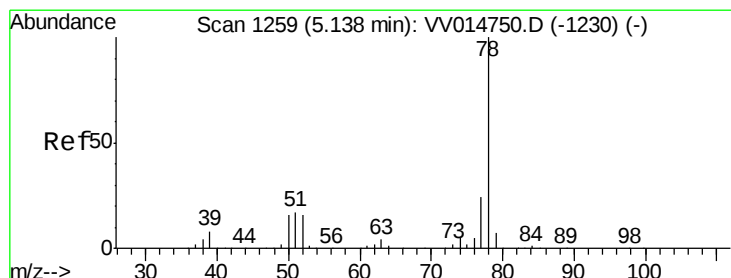
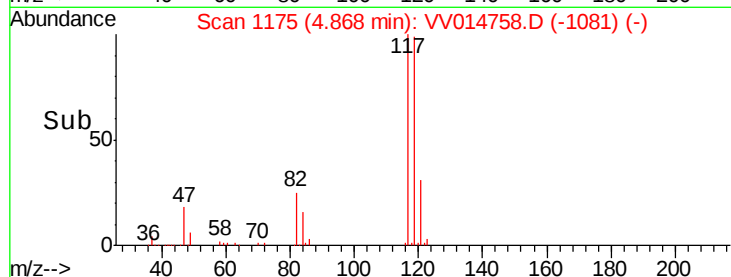
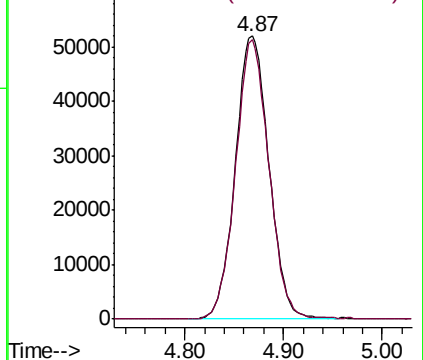
#31
Carbon tetrachloride
Concen: 4.915 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion:117 Resp: 123139
Ion Ratio Lower Upper
117 100
119 97.2 75.8 113.6

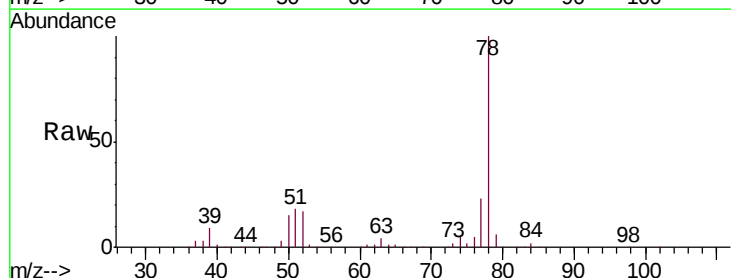


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

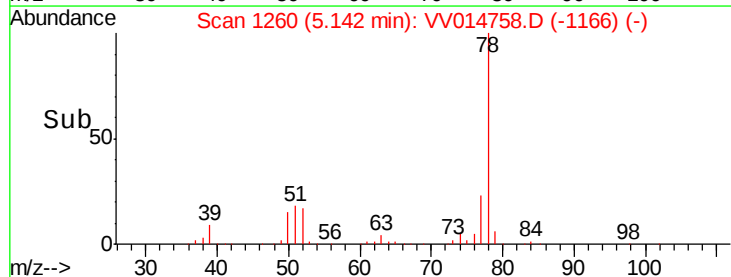
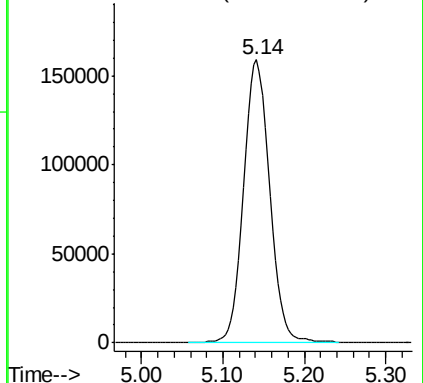


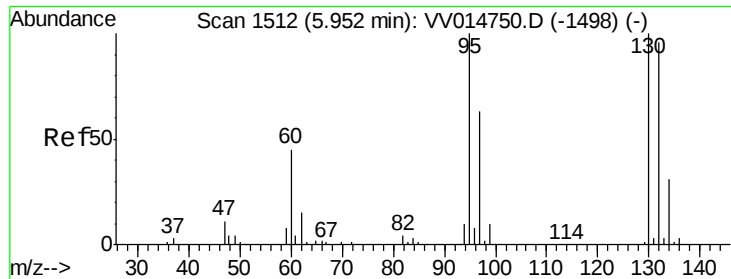
#33
Benzene
Concen: 4.849 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Tgt Ion: 78 Resp: 351212



Abundance Ion 78.10 (77.80 to 78.80): VV0

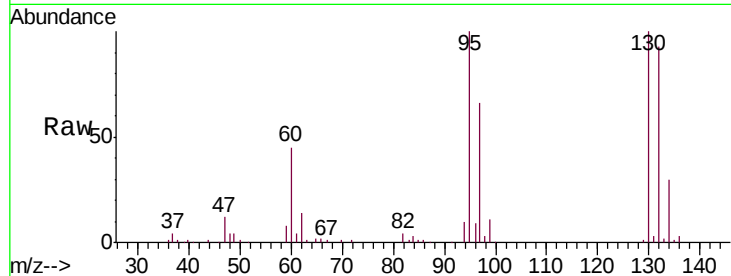




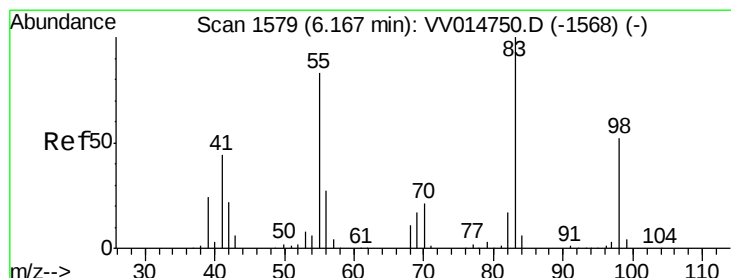
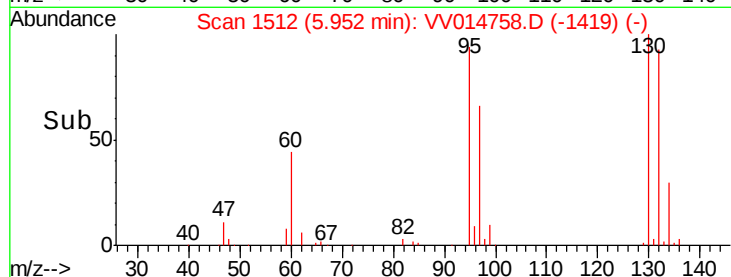
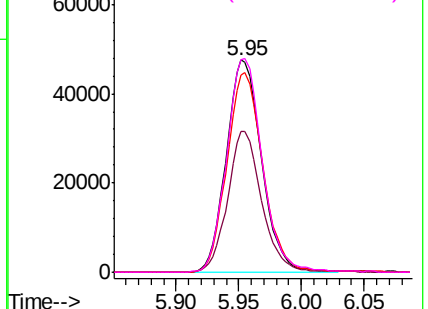
#34
 Trichloroethene
 Concen: 4.897 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion: 95 Resp: 92912
 Ion Ratio Lower Upper
 95 100
 97 66.4 45.8 85.0
 132 93.1 68.7 127.5
 130 100.0 74.1 137.5

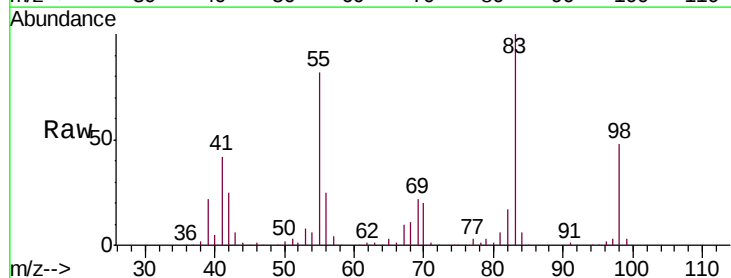


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

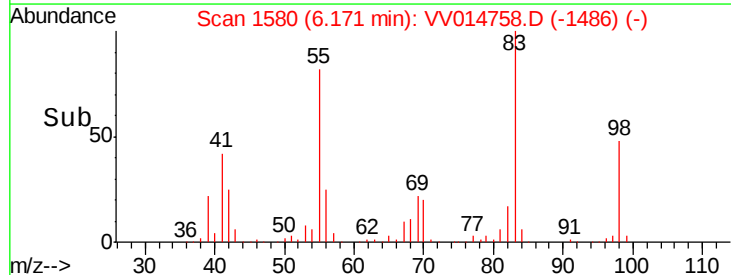
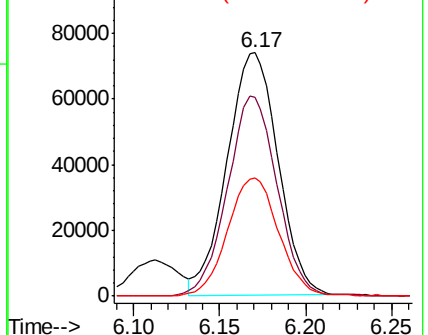


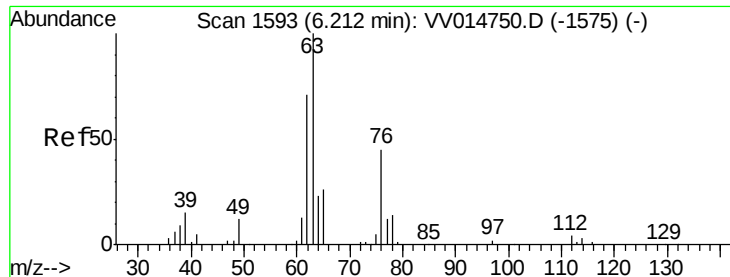
#35
 Methylcyclohexane
 Concen: 4.702 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

Tgt Ion: 83 Resp: 151751
 Ion Ratio Lower Upper
 83 100
 55 80.1 64.6 96.8
 98 48.9 37.8 56.8



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





#37

1,2-Dichloropropane

Concen: 4.754 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

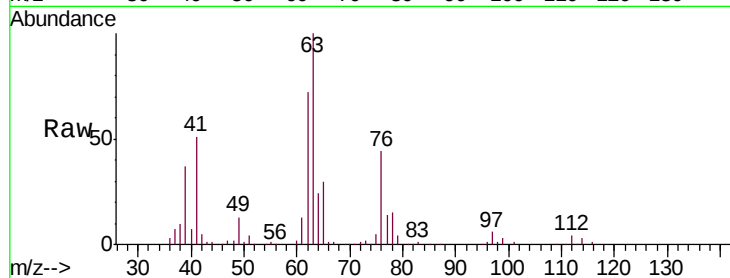
VSTD00539

Tgt Ion: 63 Resp: 87974

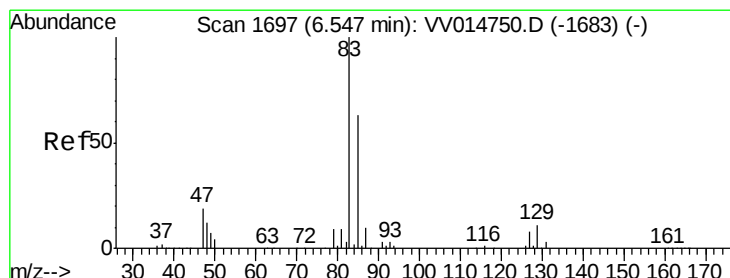
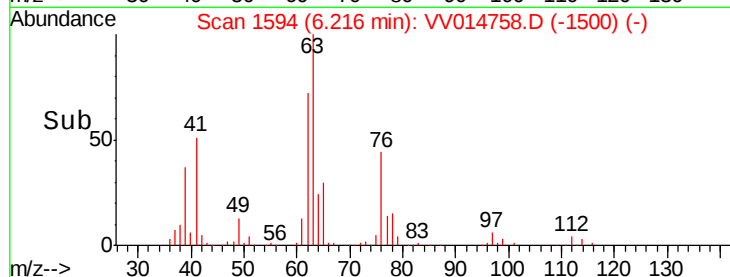
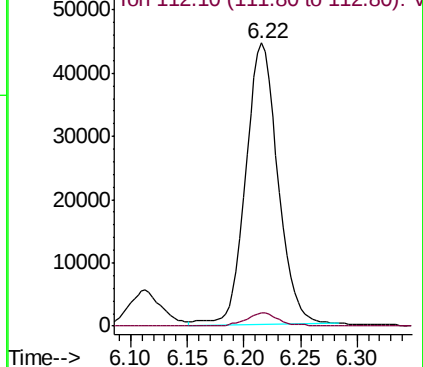
Ion Ratio Lower Upper

63 100

112 4.7 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV014758.D (-1500) (-)



#38

Bromodichloromethane

Concen: 4.957 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

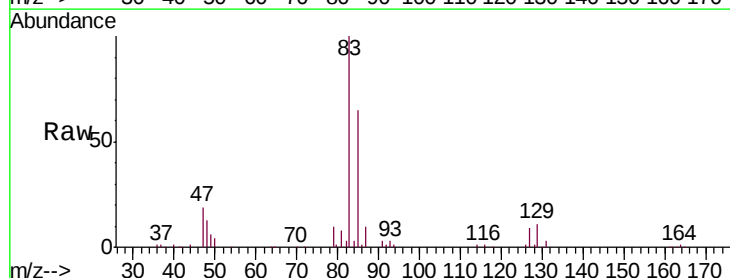
Tgt Ion: 83 Resp: 111886

Ion Ratio Lower Upper

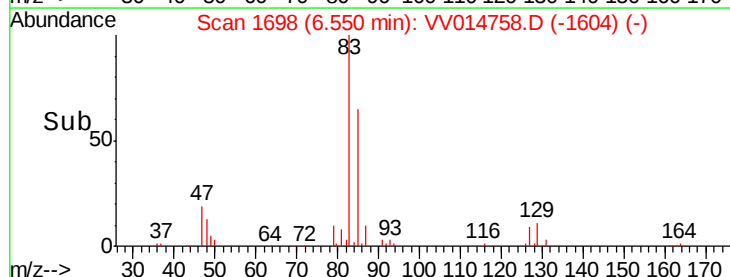
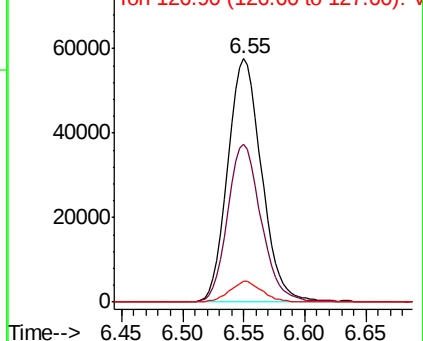
83 100

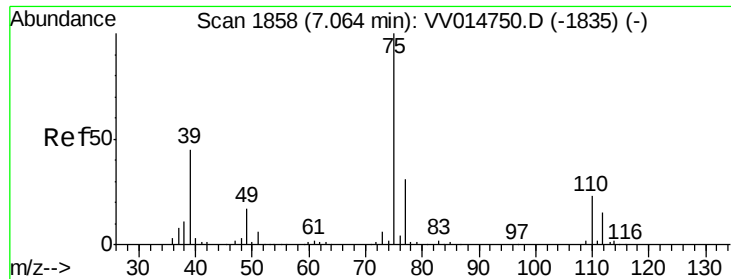
85 64.7 45.2 84.0

127 8.6 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV014758.D (-1604) (-)





#39

cis-1,3-Dichloropropene

Concen: 4.911 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

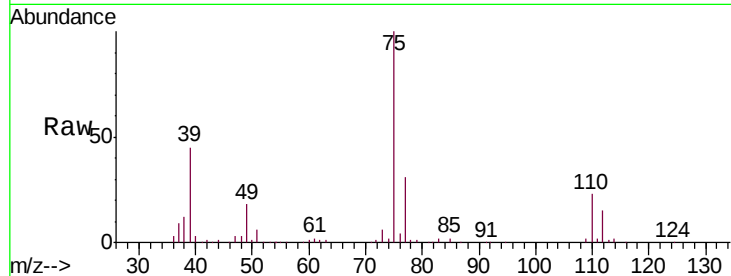
VSTD00539

Tgt Ion: 75 Resp: 131637

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

80000

60000

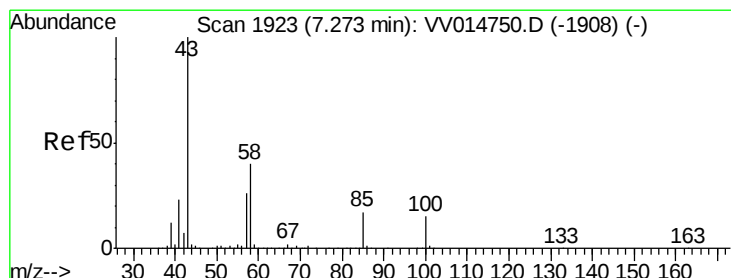
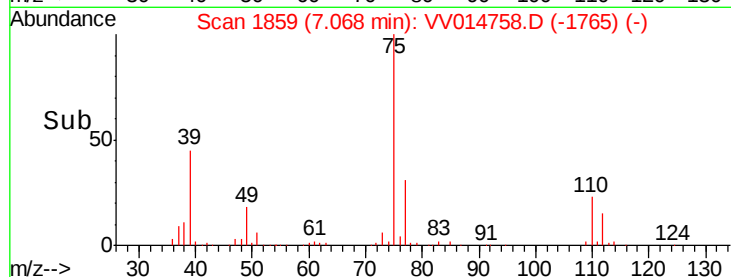
40000

20000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 46.282 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

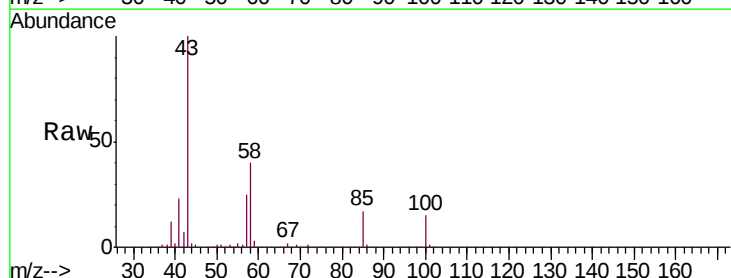
Tgt Ion: 43 Resp: 512812

Ion Ratio Lower Upper

43 100

58 39.1 30.2 45.2

100 15.0 11.2 16.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.27

300000

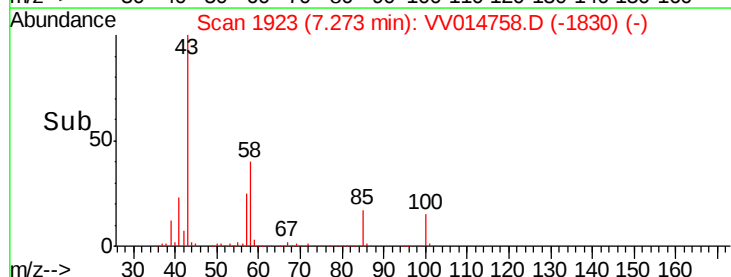
200000

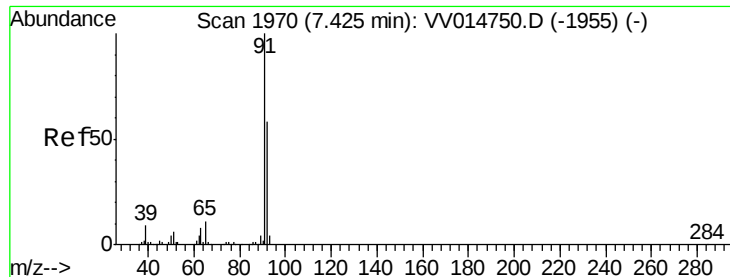
100000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 4.923 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

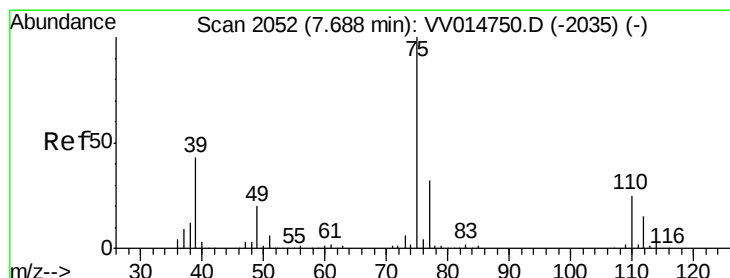
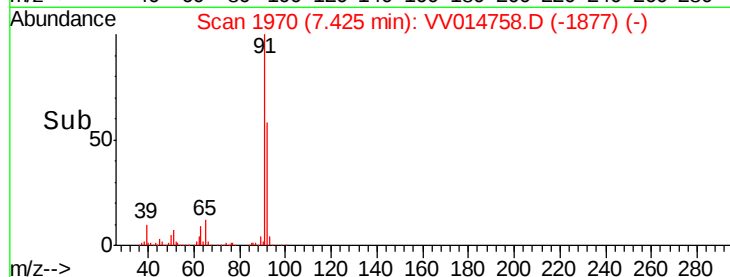
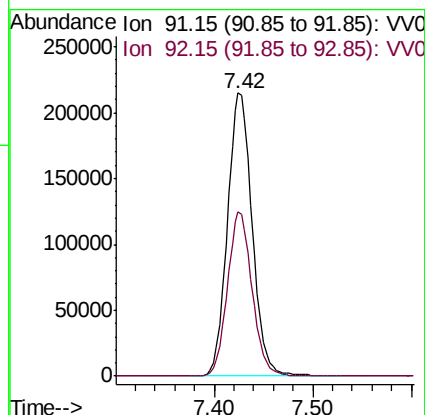
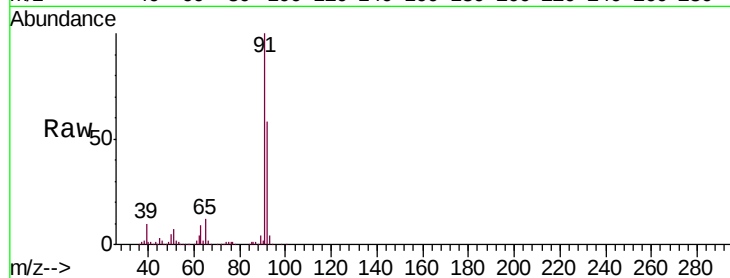
VSTD00539

Tgt Ion: 91 Resp: 377625

Ion Ratio Lower Upper

91 100

92 58.2 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.840 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014758.D

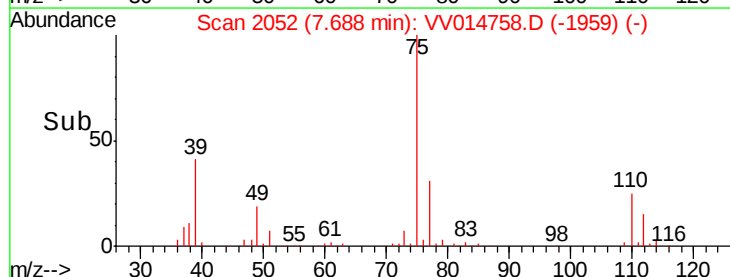
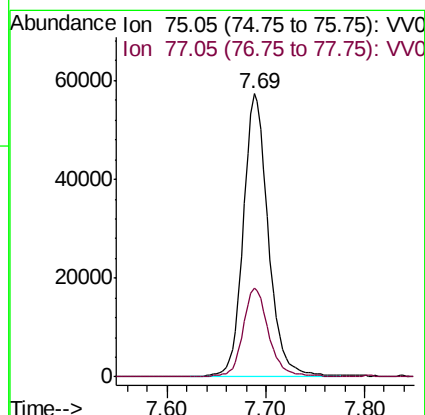
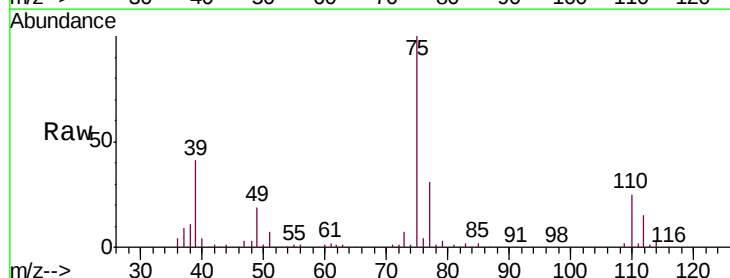
Acq: 05 Mar 2020 16:26

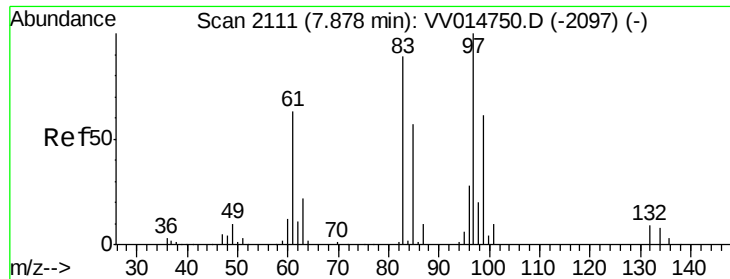
Tgt Ion: 75 Resp: 100656

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9

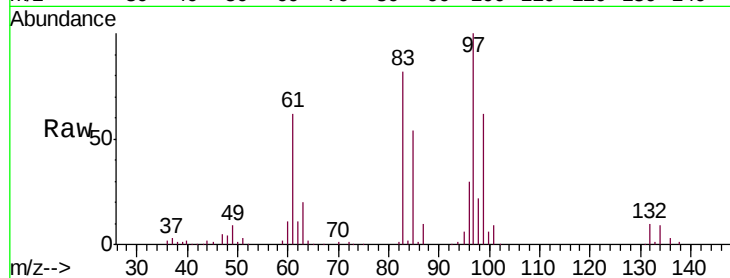




#45
 1,1,2-Trichloroethane
 Concen: 5.159 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:	97	Resp:	60945
Ion	Ratio	Lower	Upper
97	100		
99	62.4	45.4	84.4
83	82.2	59.8	111.1
85	53.6	38.3	71.1



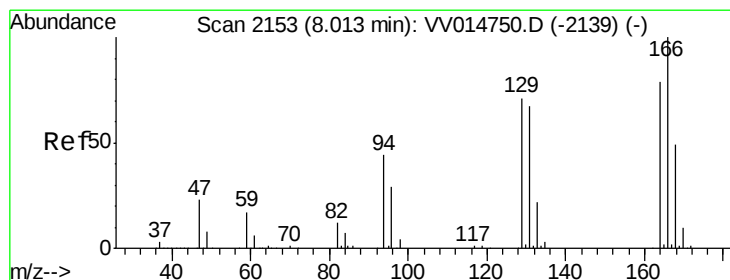
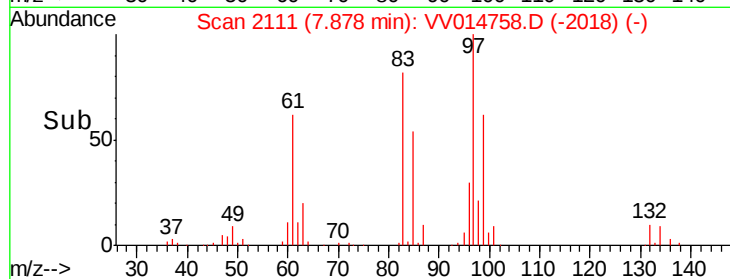
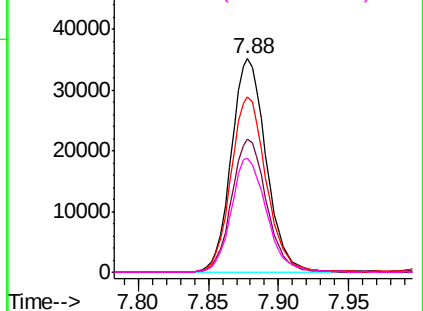
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

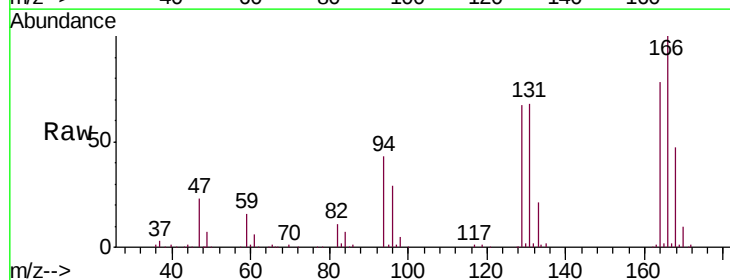
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.097 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

Tgt Ion:	164	Resp:	77323
Ion	Ratio	Lower	Upper
164	100		
129	86.7	65.9	122.5
131	86.7	64.0	119.0
166	128.4	91.2	169.4



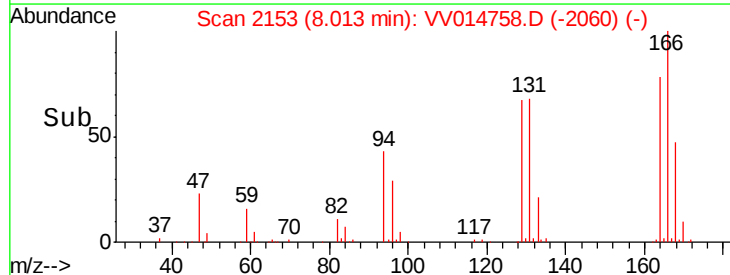
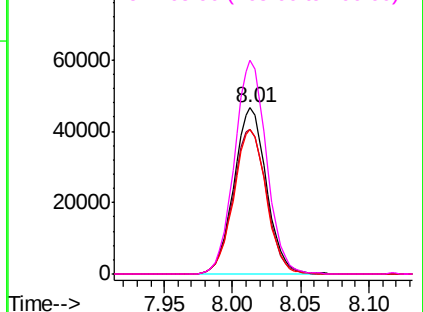
Abundance

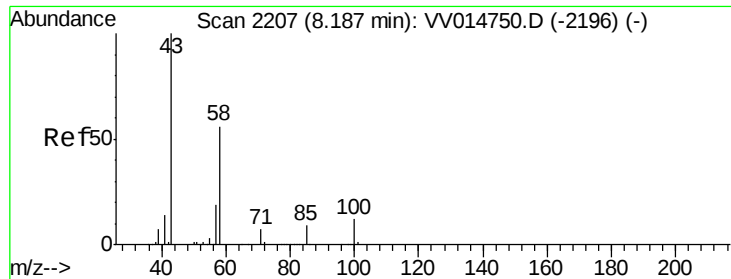
Ion 163.90 (163.60 to 164.60): V

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

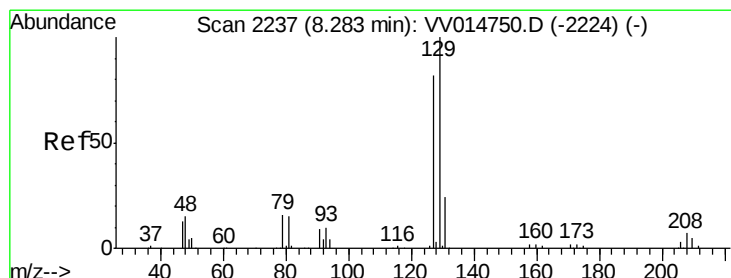
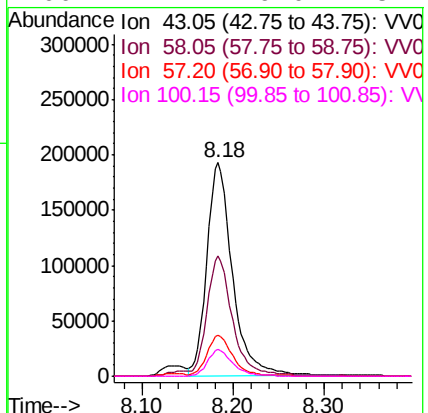
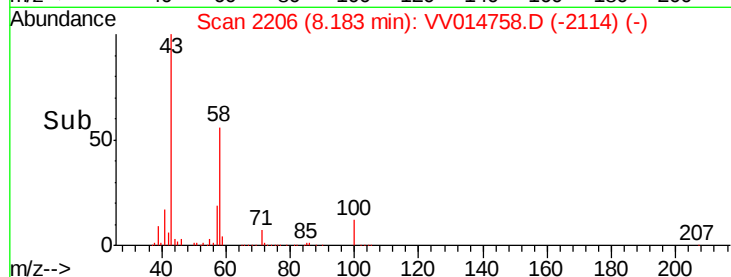
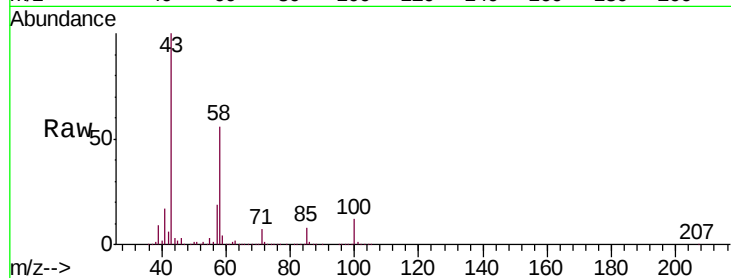




#48
2-Hexanone
Concen: 47.685 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

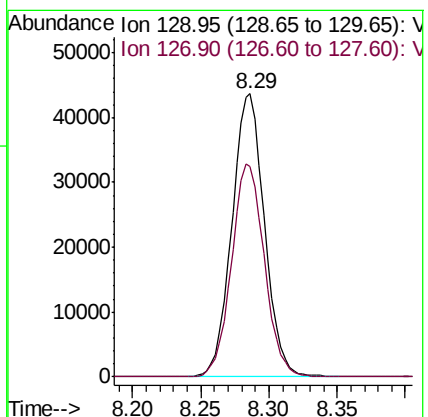
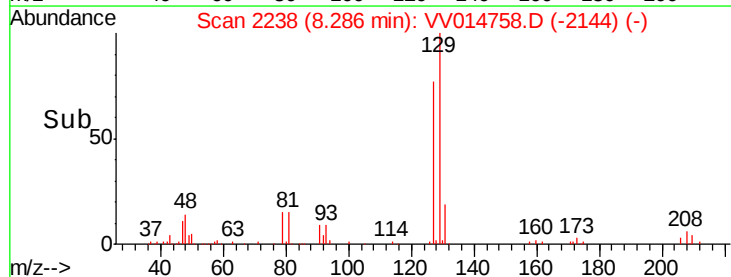
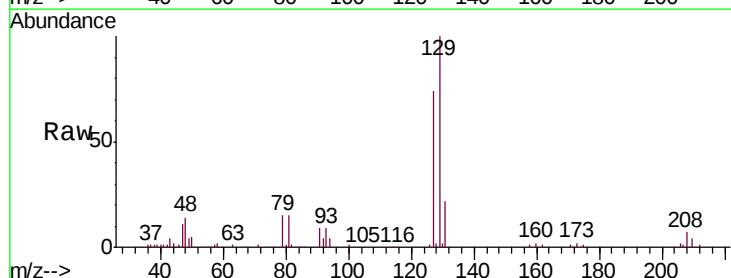
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

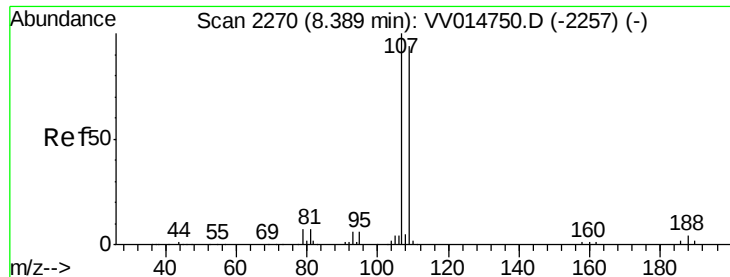
Tgt Ion: 43 Resp: 376452
Ion Ratio Lower Upper
43 100
58 55.8 43.1 64.7
57 19.5 14.6 21.8
100 12.2 9.0 13.4



#49
Dibromochloromethane
Concen: 5.418 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Tgt Ion: 129 Resp: 72367
Ion Ratio Lower Upper
129 100
127 74.2 53.8 99.8

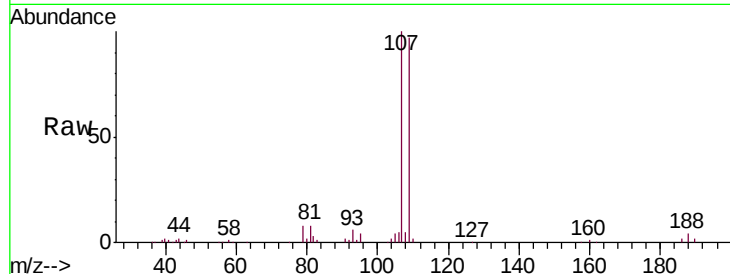




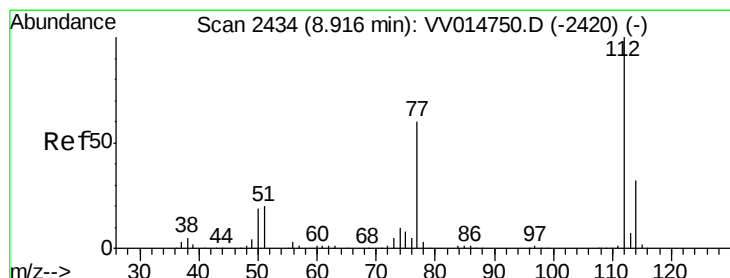
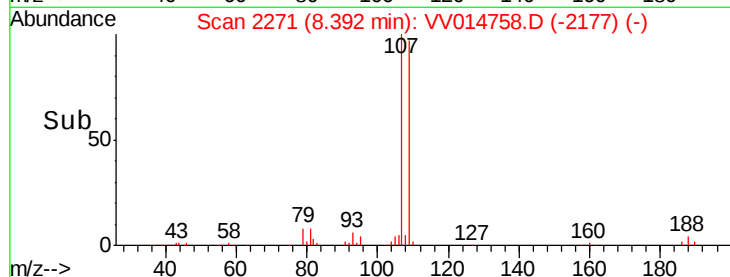
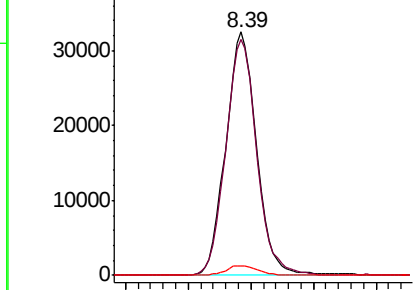
#50
1,2-Dibromoethane
Concen: 4.889 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion:107 Resp: 55136
Ion Ratio Lower Upper
107 100
109 97.1 63.6 118.2
188 3.8 3.1 4.7

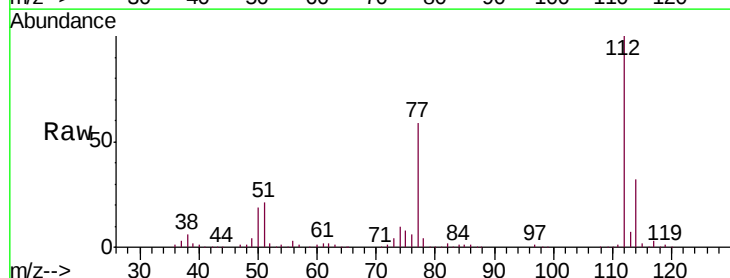


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

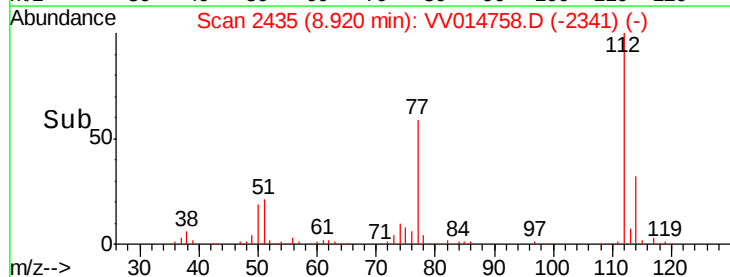
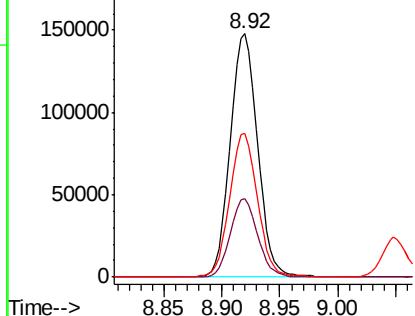


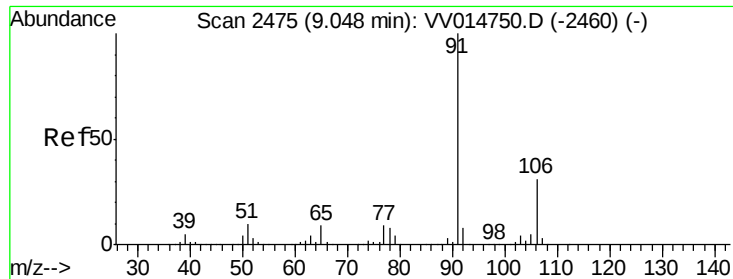
#51
Chlorobenzene
Concen: 4.953 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Tgt Ion:112 Resp: 240589
Ion Ratio Lower Upper
112 100
114 32.0 23.2 43.2
77 58.9 49.0 73.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.837 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

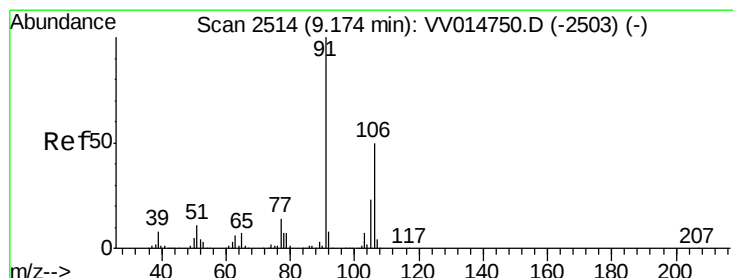
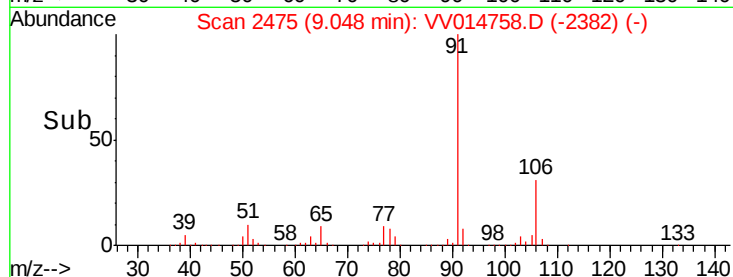
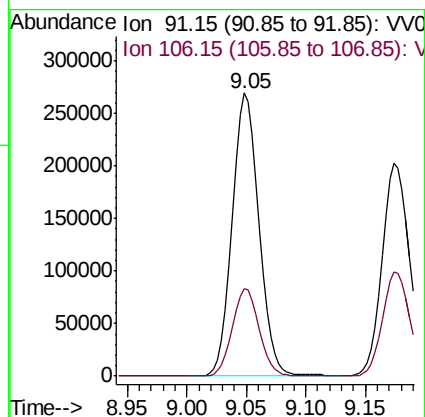
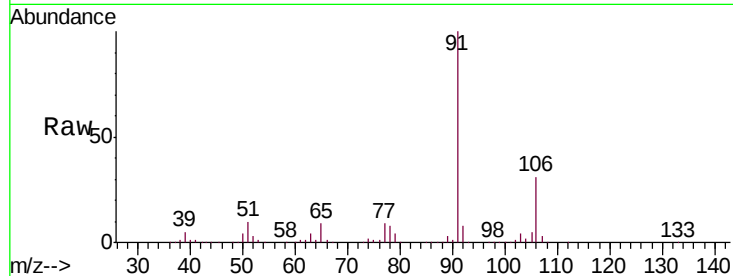
VSTD00539

Tgt Ion: 91 Resp: 420689

Ion Ratio Lower Upper

91 100

106 30.9 21.1 39.1



#53

m,p-xylene

Concen: 4.965 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VV014758.D

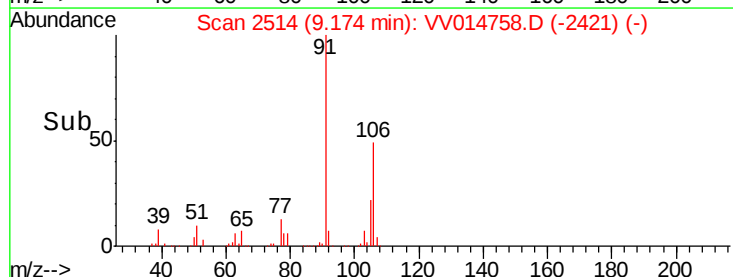
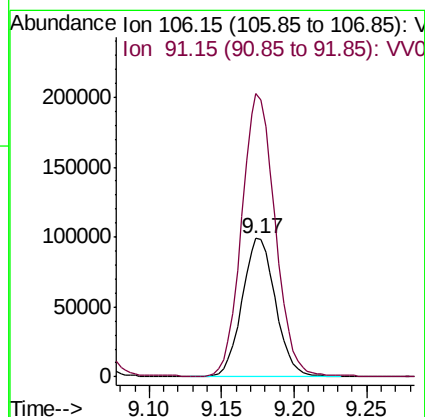
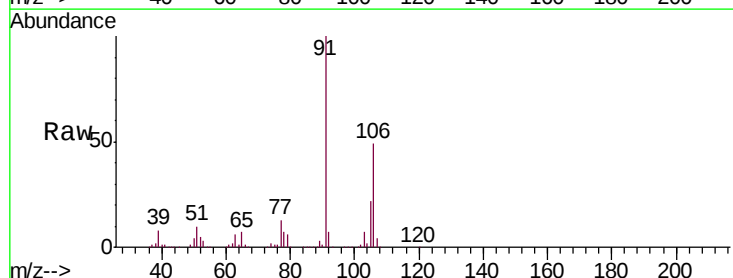
Acq: 05 Mar 2020 16:26

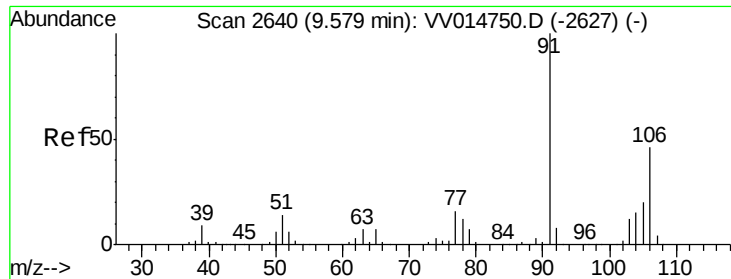
Tgt Ion: 106 Resp: 158097

Ion Ratio Lower Upper

106 100

91 204.4 142.5 264.6

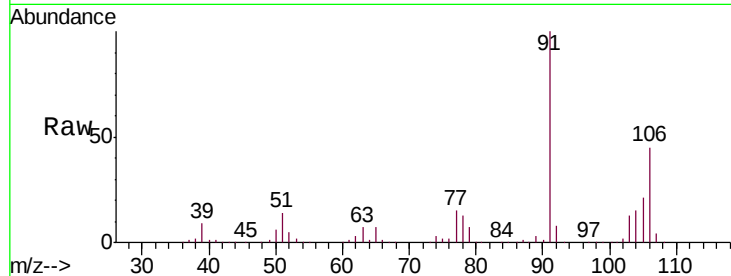




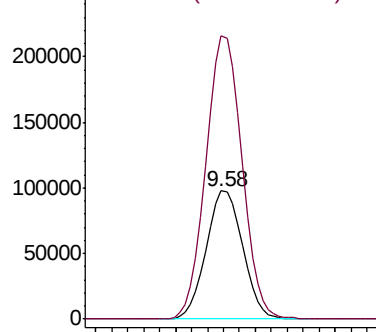
#54
o-xylene
Concen: 4.899 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

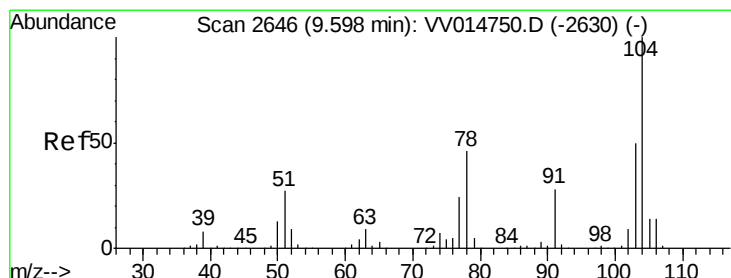
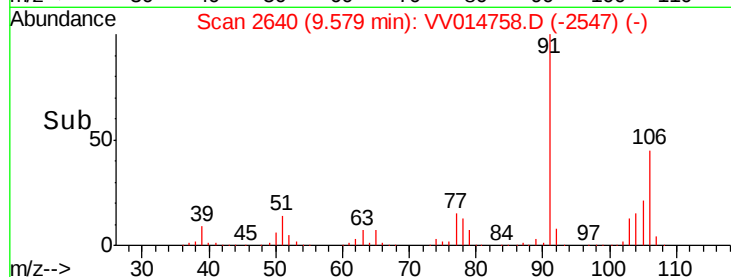
Tgt Ion:106 Resp: 151846
Ion Ratio Lower Upper
106 100
91 220.8 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

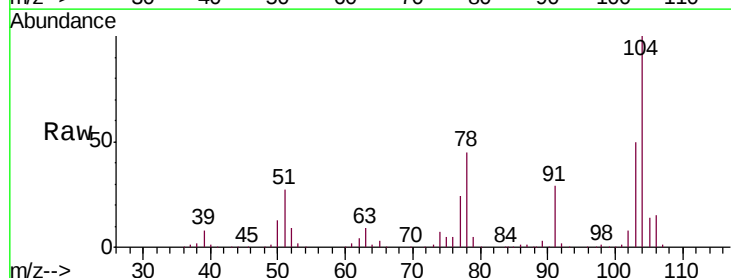


Time--> 9.50 9.55 9.60 9.65

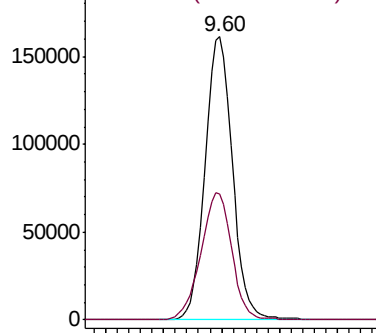


#55
Styrene
Concen: 5.044 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014758.D
Acq: 05 Mar 2020 16:26

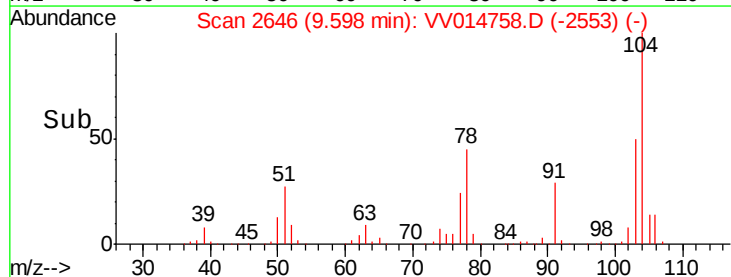
Tgt Ion:104 Resp: 262660
Ion Ratio Lower Upper
104 100
78 44.7 31.3 58.1

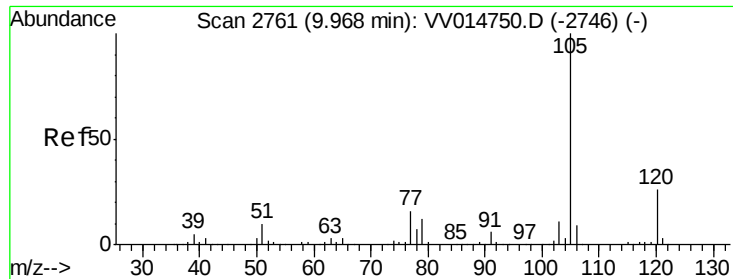


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time--> 9.50 9.55 9.60 9.65 9.70





#56

Isopropylbenzene

Concen: 4.990 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

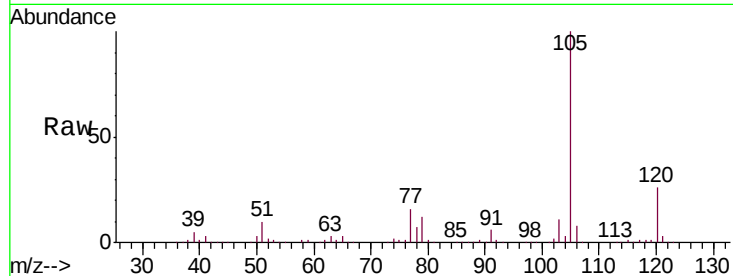
Tgt Ion:105 Resp: 417870

Ion Ratio Lower Upper

105 100

120 26.3 20.6 31.0

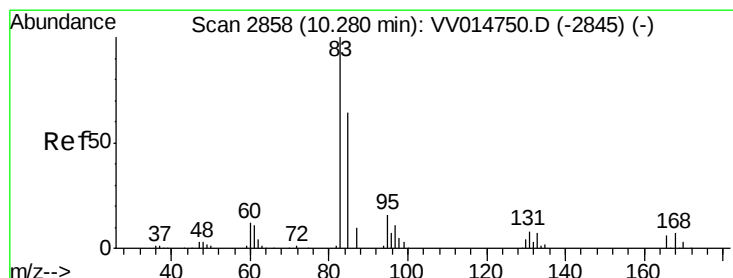
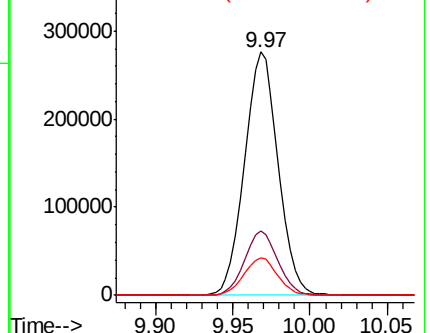
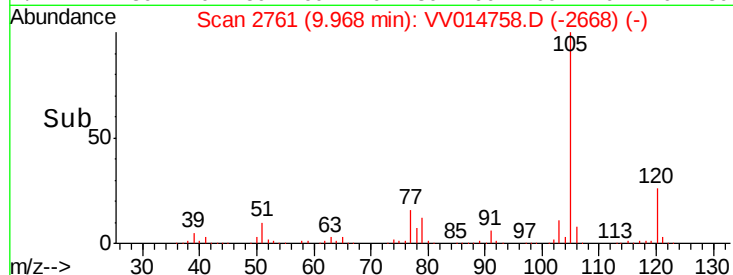
77 15.6 12.6 18.8



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: 4.961 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

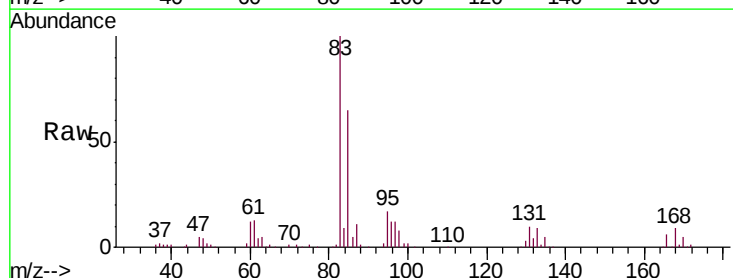
Tgt Ion: 83 Resp: 73281

Ion Ratio Lower Upper

83 100

85 64.8 46.1 85.7

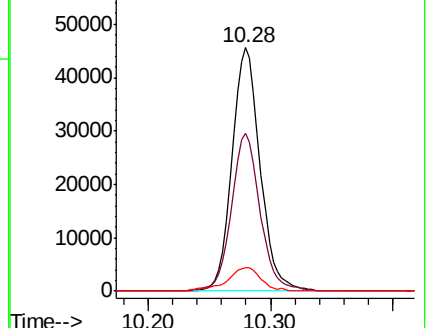
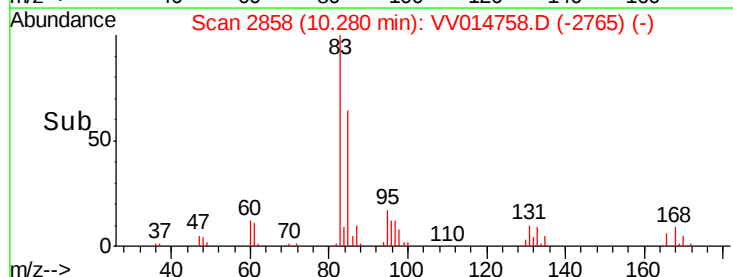
131 9.6 7.4 11.2

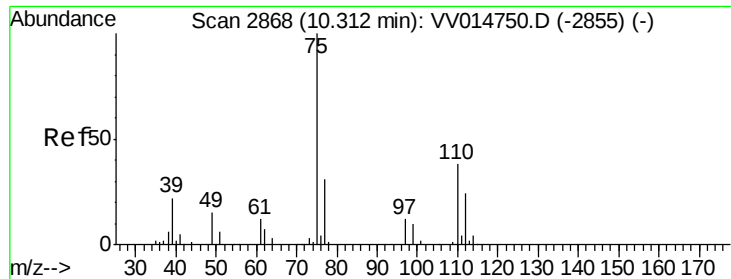


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

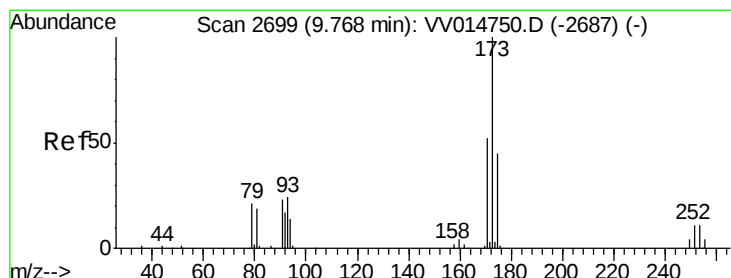
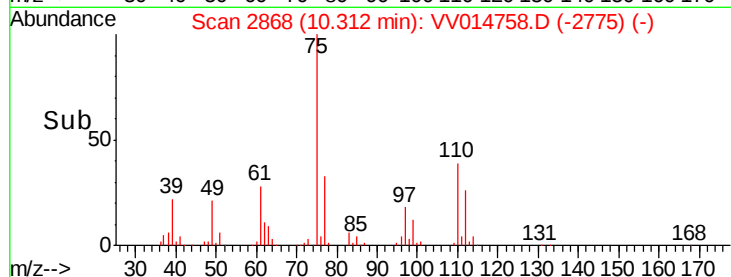
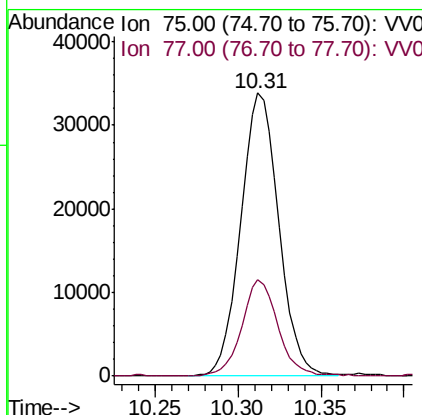
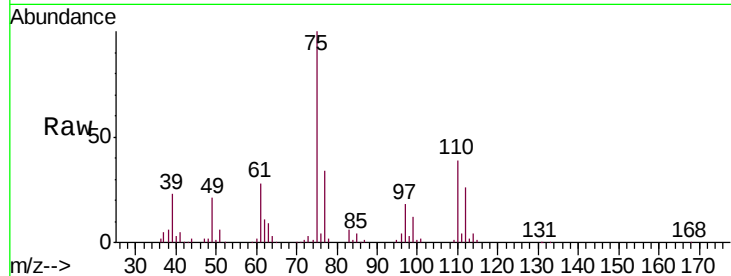




#59
 1,2,3-Trichloropropane
 Concen: 4.997 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

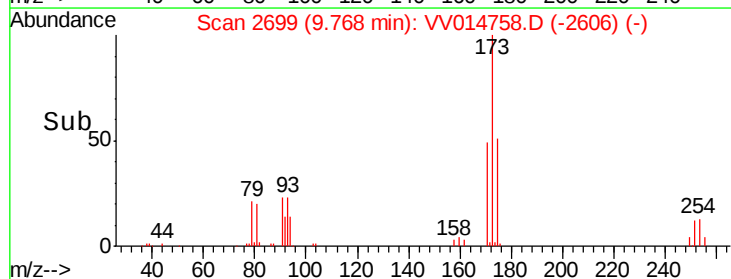
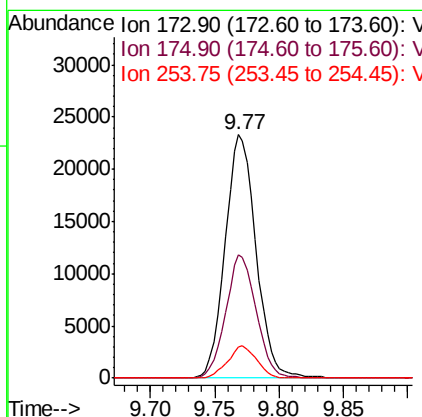
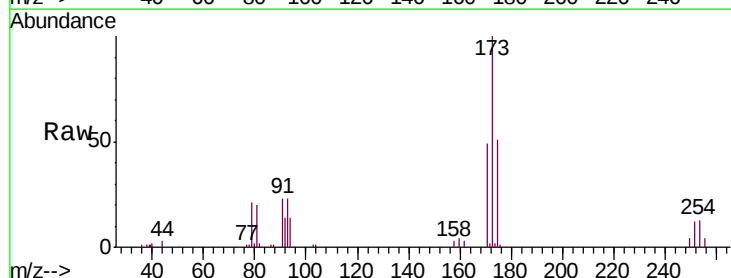
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

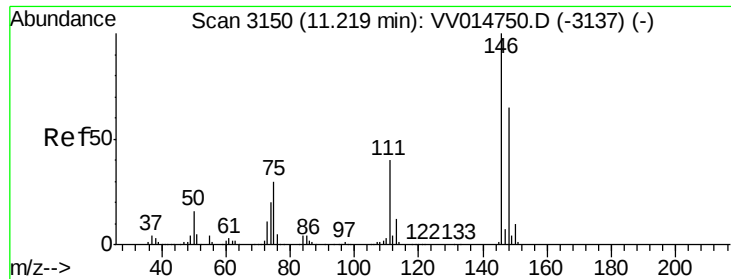
Tgt Ion: 75 Resp: 54004
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.3 39.5



#61
 Bromoform
 Concen: 5.588 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

Tgt Ion: 173 Resp: 38679
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.6 57.8
 254 12.4 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 4.946 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

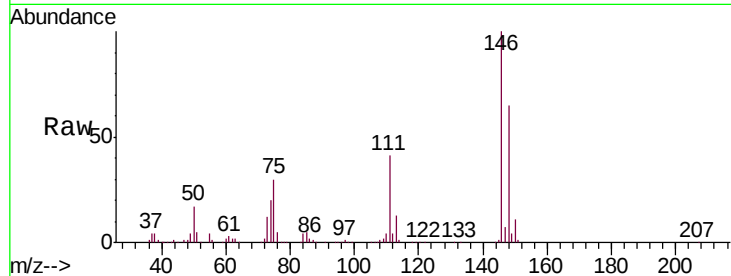
Tgt Ion:146 Resp: 198896

Ion Ratio Lower Upper

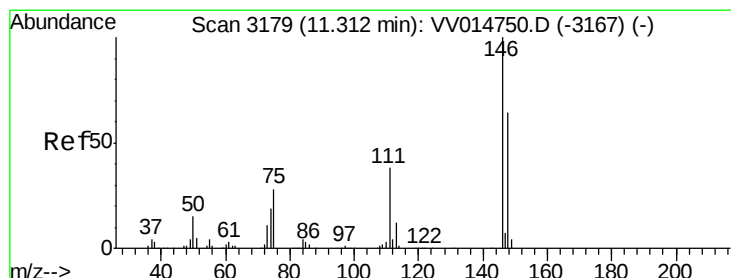
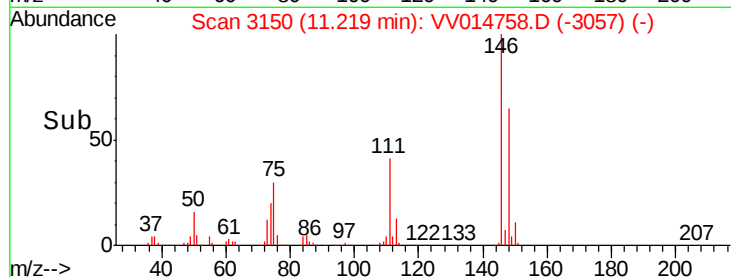
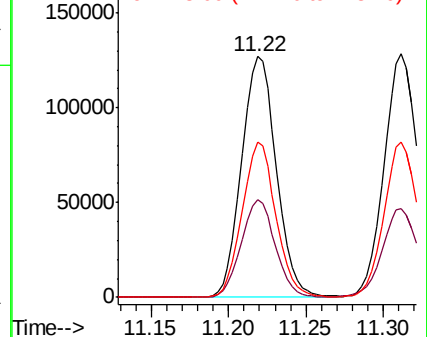
146 100

111 40.6 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: 4.824 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

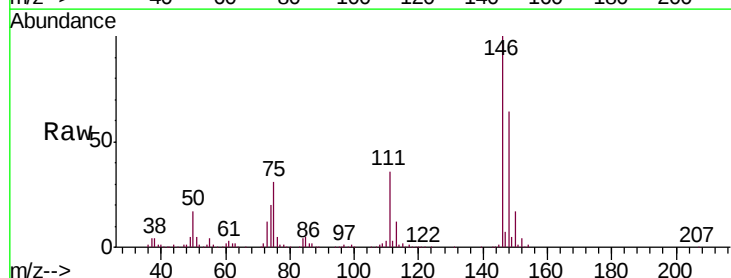
Tgt Ion:146 Resp: 198208

Ion Ratio Lower Upper

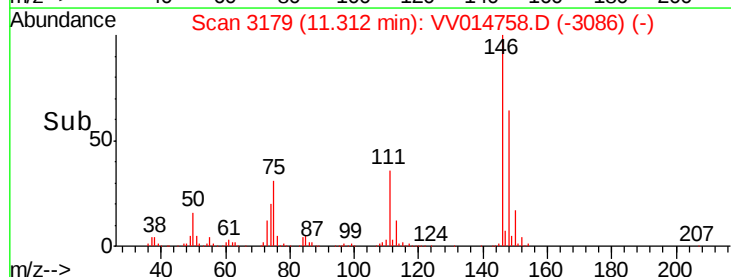
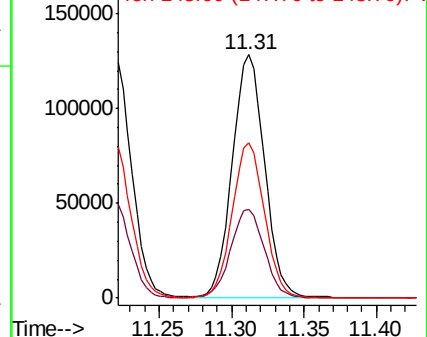
146 100

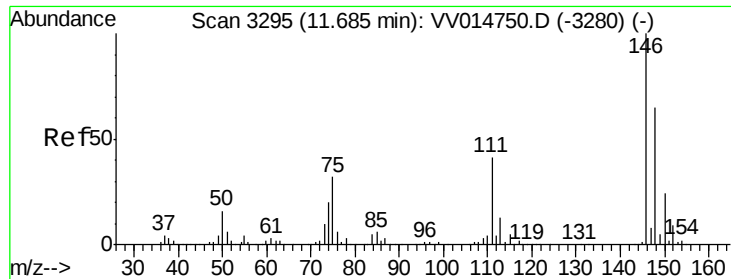
111 36.3 26.9 49.9

148 64.0 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: 4.878 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

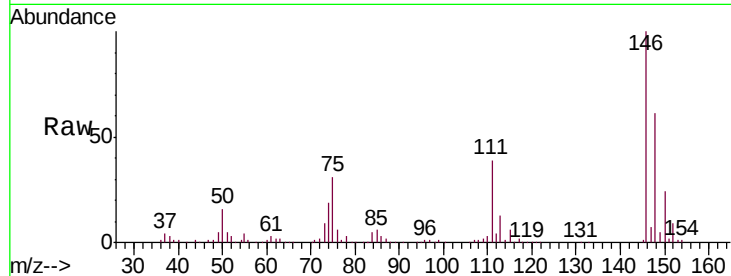
Tgt Ion:146 Resp: 181217

Ion Ratio Lower Upper

146 100

111 39.4 31.8 47.8

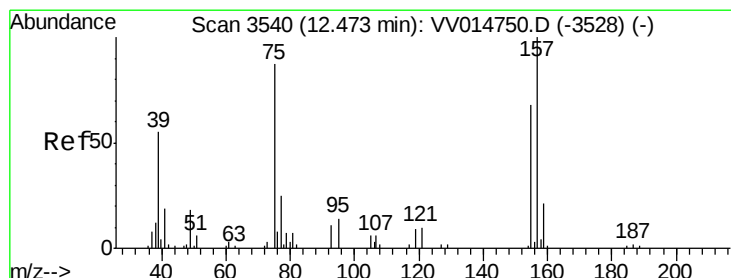
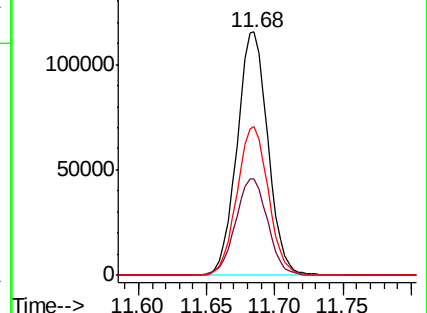
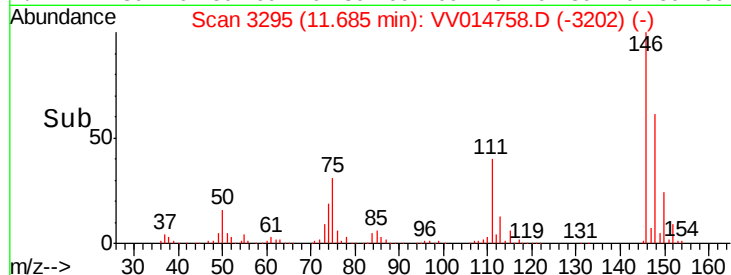
148 61.0 49.8 74.6



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: 4.573 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

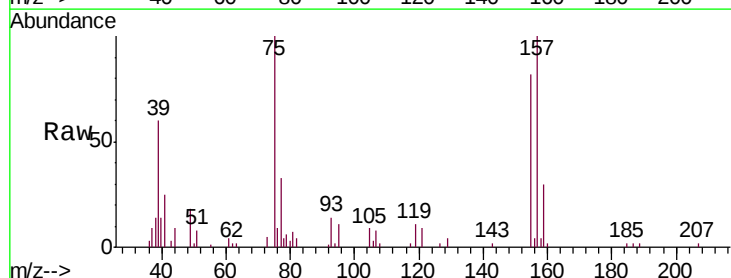
Tgt Ion: 75 Resp: 11244

Ion Ratio Lower Upper

75 100

155 81.5 68.3 102.5

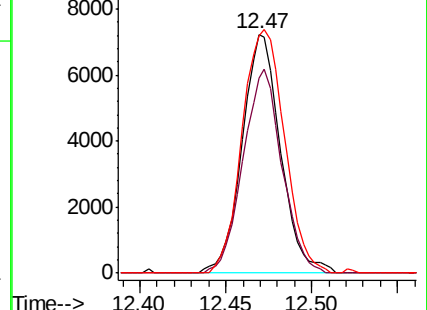
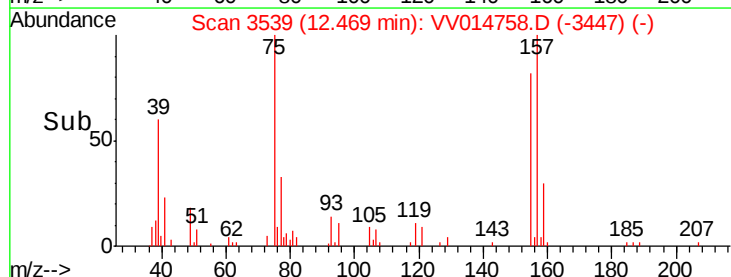
157 99.5 84.7 127.1

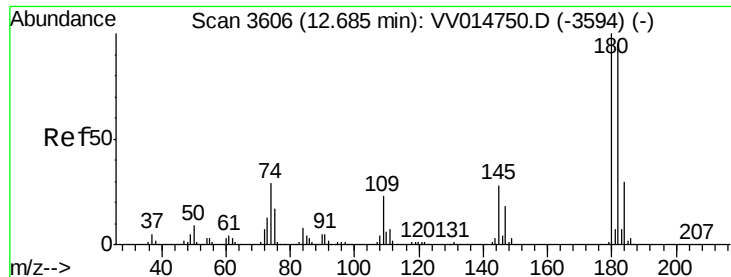


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

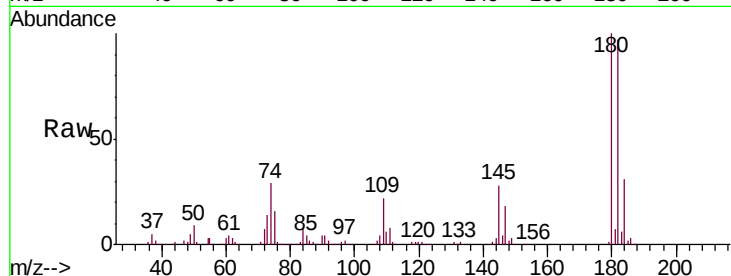




#67
 1,3,5-Trichlorobenzene
 Concen: 4.894 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:	180	Resp:	159716
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.2	115.8
184	30.5	24.2	36.2
145	28.4	22.9	34.3



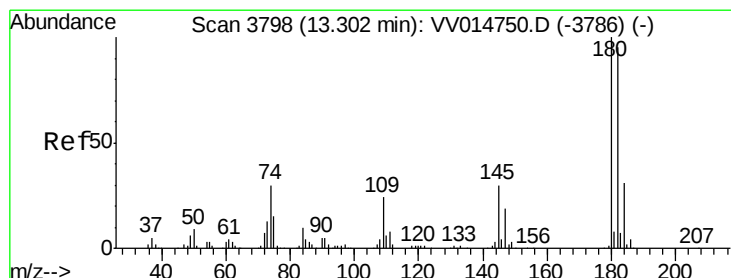
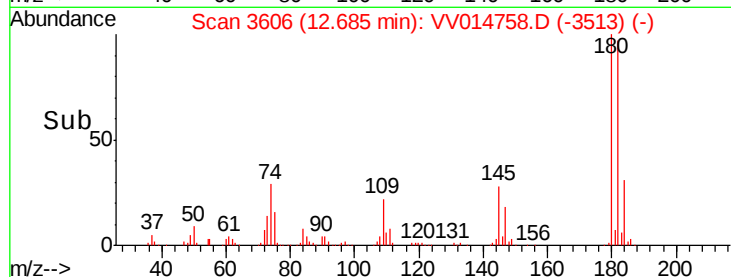
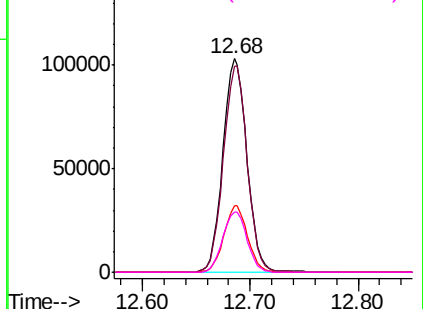
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

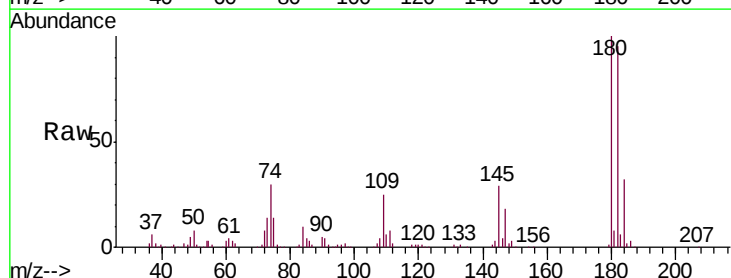
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.769 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014758.D
 Acq: 05 Mar 2020 16:26

Tgt Ion:	180	Resp:	133648
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
145	29.1	24.2	36.2

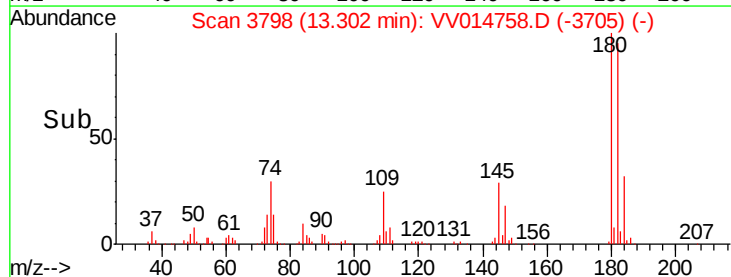
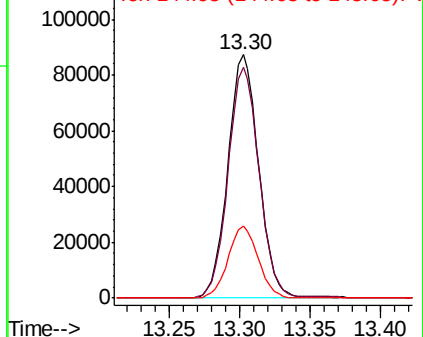


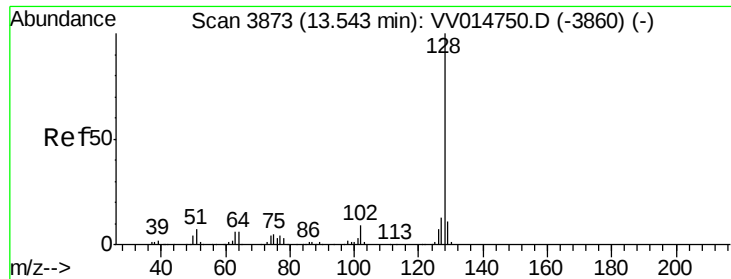
Abundance

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: 4.671 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

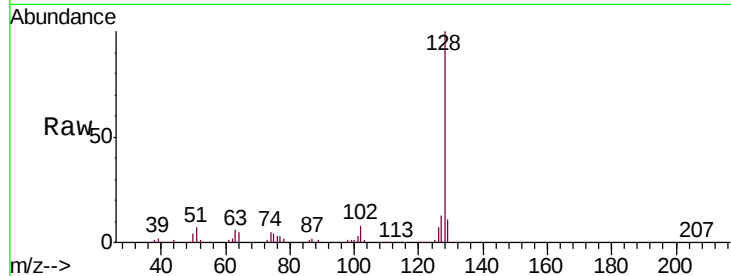
Tgt Ion:128 Resp: 213101

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

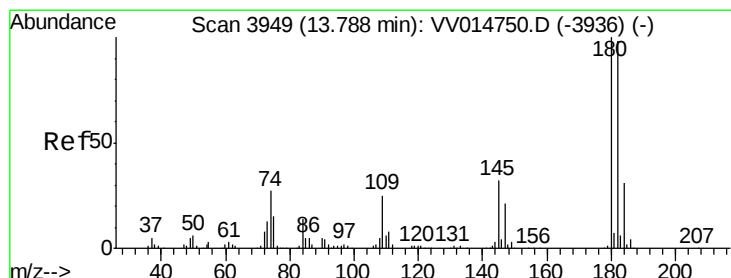
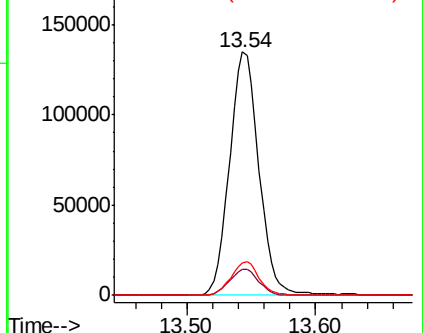
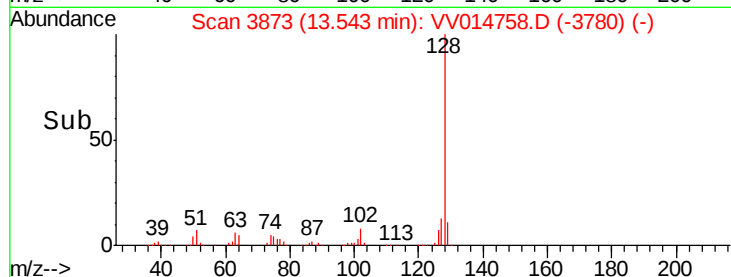
127 13.1 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.858 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VV014758.D

Acq: 05 Mar 2020 16:26

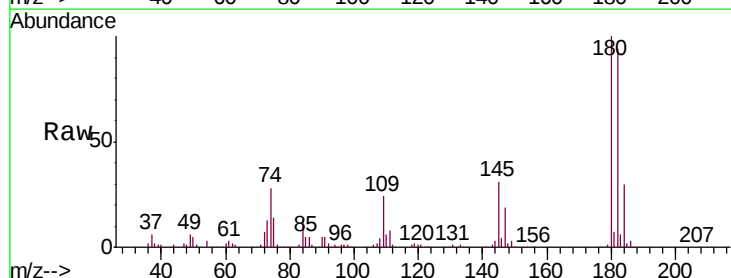
Tgt Ion:180 Resp: 121514

Ion Ratio Lower Upper

180 100

182 96.9 76.7 115.1

145 31.3 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

