

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030420\
 Data File : VV014748.D
 Acq On : 04 Mar 2020 20:57
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 05 06:32:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Mar 05 06:28:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	252883	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	242070	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	127103	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72808	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.58	69	62768	4.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.00%
11) 1,1-Dichloroethene-d2	2.13	63	136361	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	3.97	46	206225	50.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.78%
24) Chloroform-d	4.40	84	154766	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.08	65	82310	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.10	84	316422	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.11	67	100933	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.36	98	290015	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.66	79	37475	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.13	63	148158	43.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.24%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	73301	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	110547	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	127073	4.575 ug/L	99
3) Chloromethane	1.25	50	110157	4.307 ug/L	100
5) Vinyl chloride	1.32	62	104576	4.448 ug/L	99
6) Bromomethane	1.54	94	62205	4.695 ug/L	98
8) Chloroethane	1.60	64	59748	4.536 ug/L	98
9) Trichlorofluoromethane	1.77	101	151193	4.721 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	79143	4.722 ug/L	98
12) 1,1-Dichloroethene	2.14	96	75695	4.750 ug/L	93
13) Acetone	2.23	43	125762	45.666 ug/L #	44
14) Carbon disulfide	2.32	76	245171	4.512 ug/L	99
15) Methyl Acetate	2.48	43	32039	4.584 ug/L	98
16) Methylene chloride	2.53	84	94246	4.728 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	209885	4.841 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	91278	4.738 ug/L	93
19) 1,1-Dichloroethane	3.23	63	177678	4.715 ug/L	99
21) 2-Butanone	4.05	43	231397	49.370 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	98084	4.763 ug/L	97

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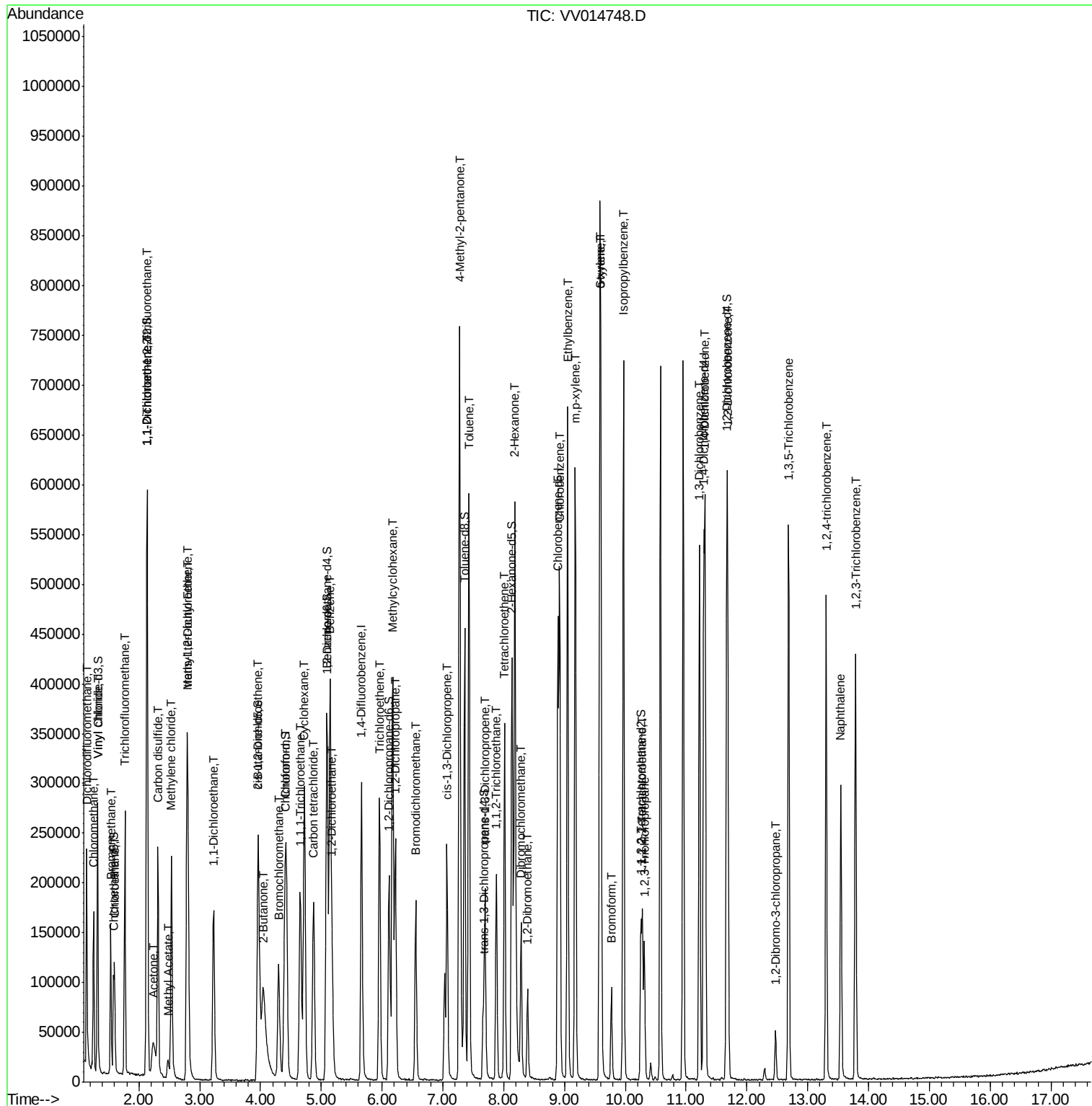
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	40026	4.843	ug/L	93
25) Chloroform	4.42	83	190446	5.149	ug/L	98
27) 1,2-Dichloroethane	5.18	62	105647	4.664	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	153549	4.811	ug/L	99
30) Cyclohexane	4.72	56	164558	4.581	ug/L	99
31) Carbon tetrachloride	4.87	117	133073	4.841	ug/L	98
33) Benzene	5.14	78	387618	4.877	ug/L	100
34) Trichloroethene	5.95	95	100895	4.846	ug/L	96
35) Methylcyclohexane	6.17	83	168208	4.750	ug/L	98
37) 1,2-Dichloropropane	6.22	63	97308	4.793	ug/L	99
38) Bromodichloromethane	6.55	83	121341	4.899	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	140605	4.780	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	574411	47.245	ug/L	98
42) Toluene	7.43	91	414188	4.921	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	106756	4.678	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	61824	4.769	ug/L	97
47) Tetrachloroethene	8.01	164	82936	4.982	ug/L	96
48) 2-Hexanone	8.18	43	409273	47.245	ug/L	97
49) Dibromochloromethane	8.29	129	76485	5.219	ug/L	99
50) 1,2-Dibromoethane	8.39	107	60015	4.850	ug/L	98
51) Chlorobenzene	8.92	112	261254	4.902	ug/L	98
52) Ethylbenzene	9.05	91	467280	4.896	ug/L	99
53) m,p-xylene	9.18	106	170739	4.886	ug/L	99
54) o-xylene	9.58	106	168380	4.950	ug/L	95
55) Styrene	9.60	104	283321	4.958	ug/L	97
56) Isopropylbenzene	9.97	105	453869	4.939	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	80551	4.969	ug/L	93
59) 1,2,3-Trichloropropane	10.31	75	57442	4.843	ug/L	100
61) Bromoform	9.77	173	40964	5.477	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	214971	4.947	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	210105	4.733	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	191662	4.774	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	12234	4.605	ug/L	94
67) 1,3,5-Trichlorobenzene	12.68	180	172382	4.889	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	145578	4.808	ug/L	99
69) Naphthalene	13.54	128	231018	4.686	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	132646	4.908	ug/L	99

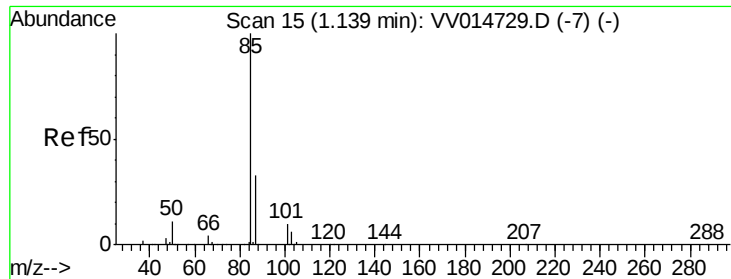
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.575 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

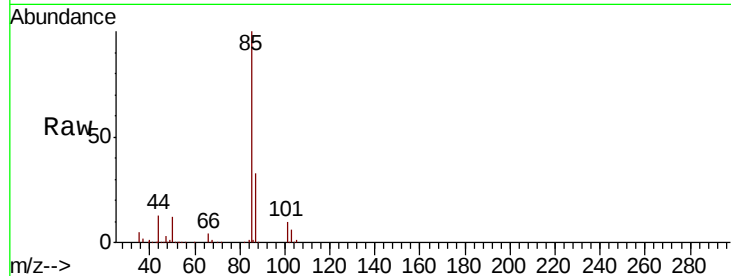
ClientSampleId :

Tot Ion: 85 Resp: 127073

Ion Ratio Lower Upper

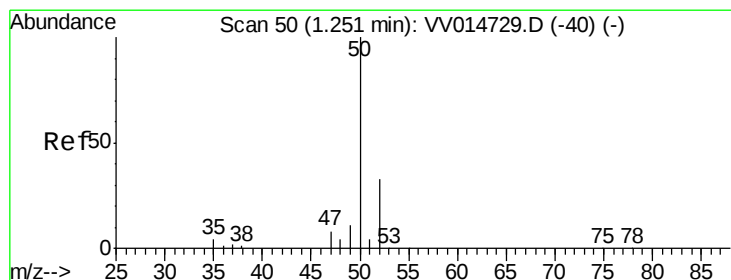
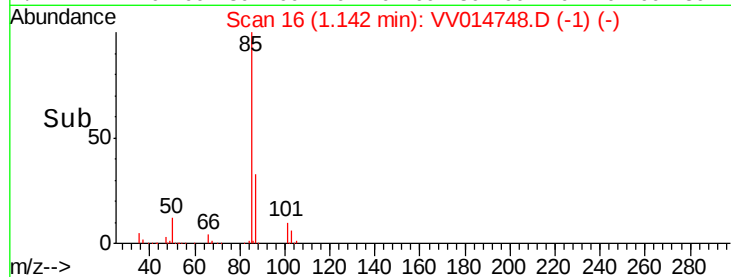
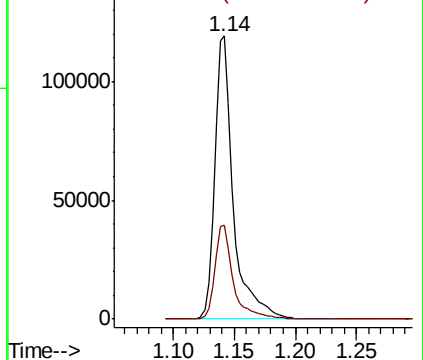
85 100

87 33.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.307 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014748.D

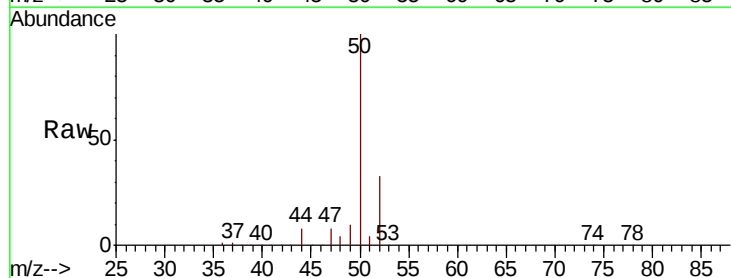
Acq: 04 Mar 2020 20:57

Tgt Ion: 50 Resp: 110157

Ion Ratio Lower Upper

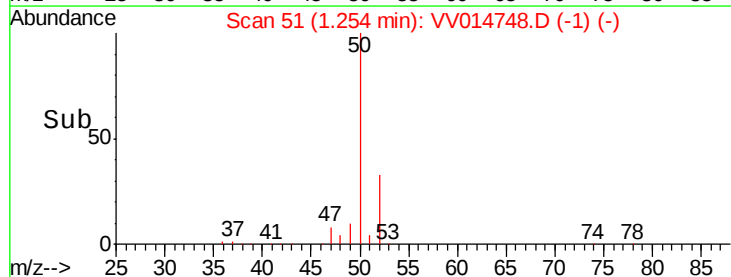
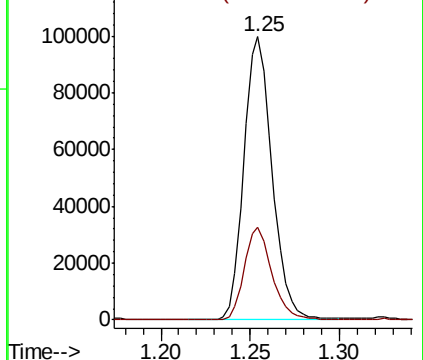
50 100

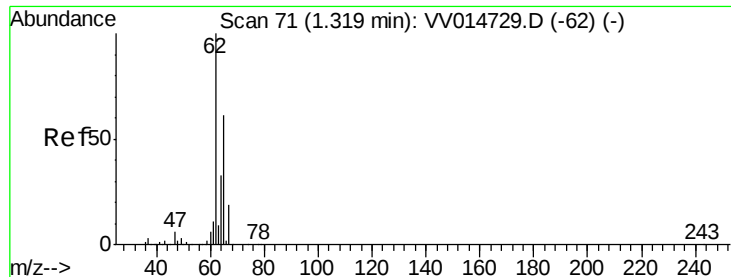
52 32.5 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.448 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

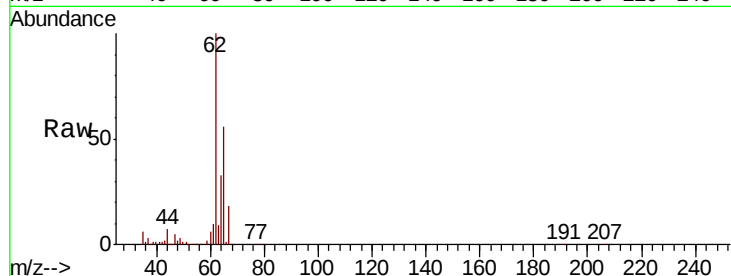
ClientSampleId :

Tot Ion: 62 Resp: 104576

Ion Ratio Lower Upper

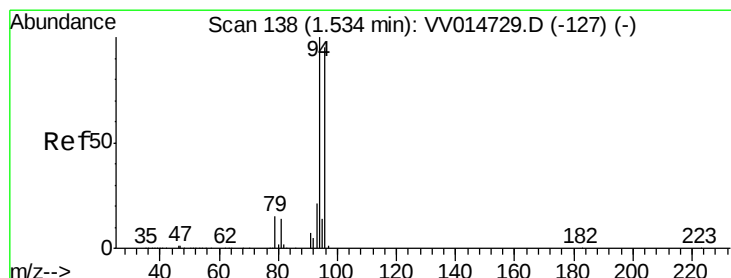
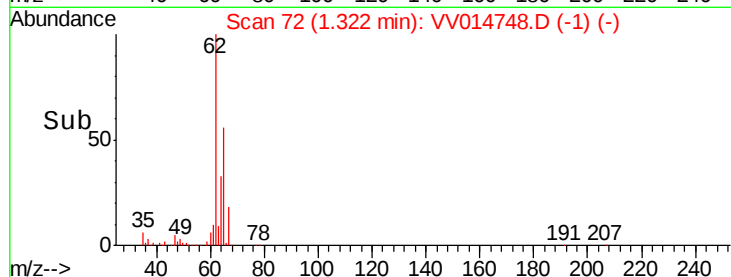
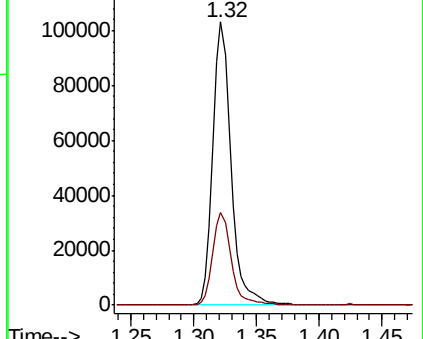
62 100

64 32.6 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: 4.695 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014748.D

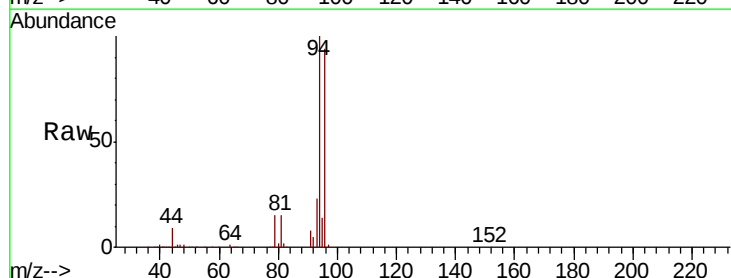
Acq: 04 Mar 2020 20:57

Tgt Ion: 94 Resp: 62205

Ion Ratio Lower Upper

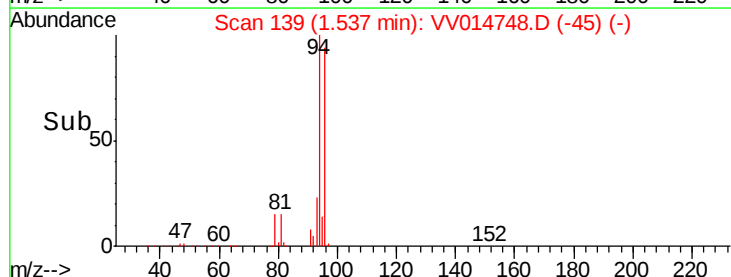
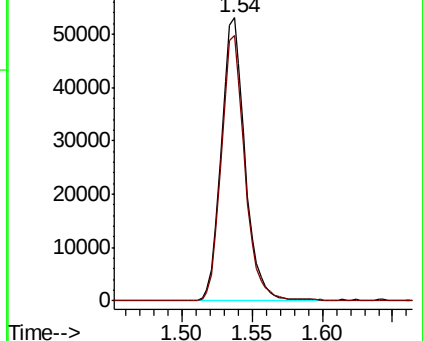
94 100

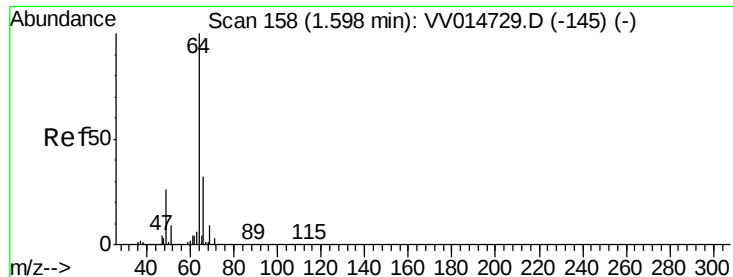
96 93.7 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

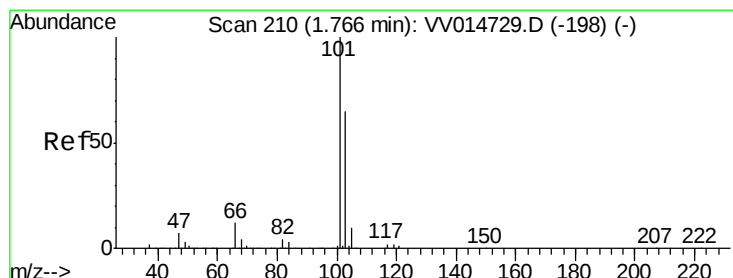
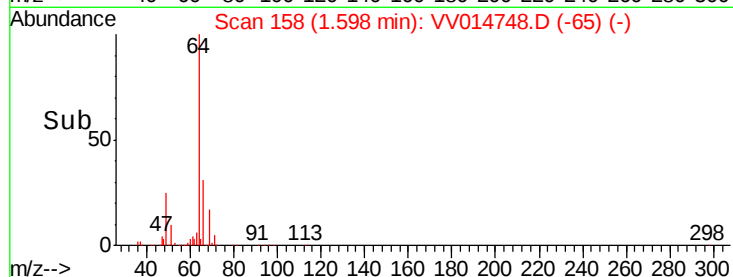
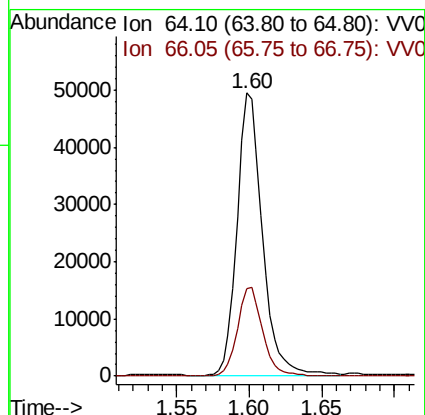
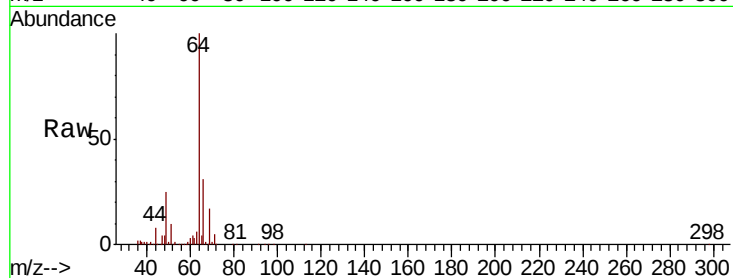




#8
Chloroethane
Concen: 4.536 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

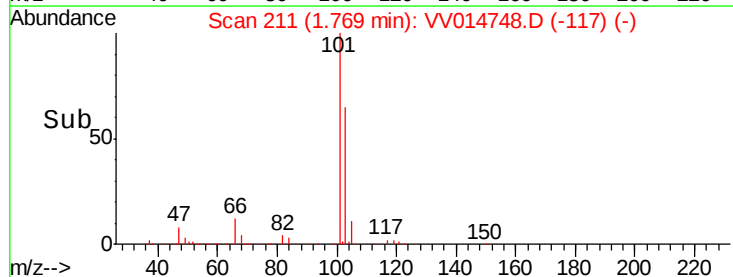
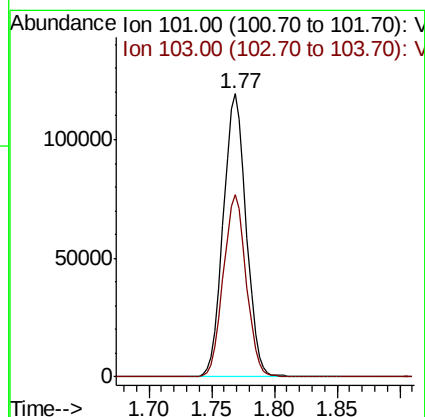
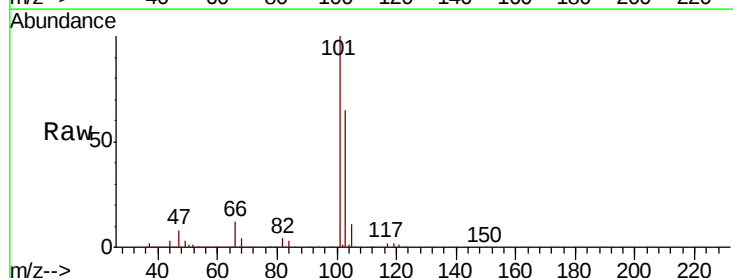
Instrument :
MSVOA_V
ClientSampled :

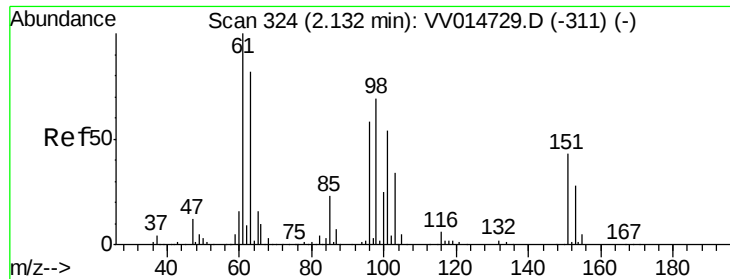
Tot Ion: 64 Resp: 59748
Ion Ratio Lower Upper
64 100
66 31.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.721 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Tgt Ion: 101 Resp: 151193
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.6





#10

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

Concen: 4.722 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

ClientSampled :

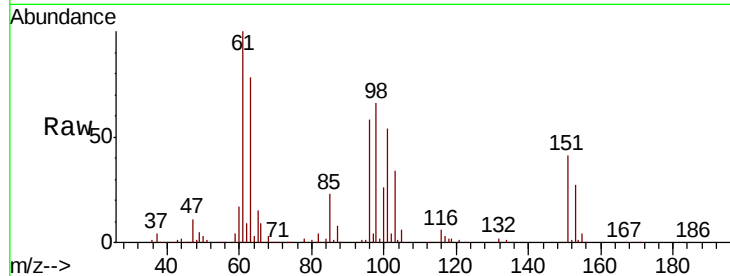
Tot Ion:101 Resp: 79143

Ion Ratio Lower Upper

101 100

85 43.3 35.3 52.9

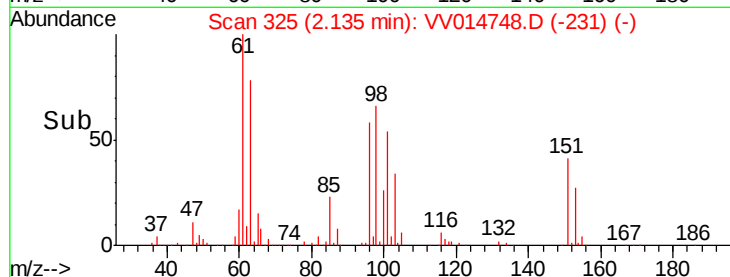
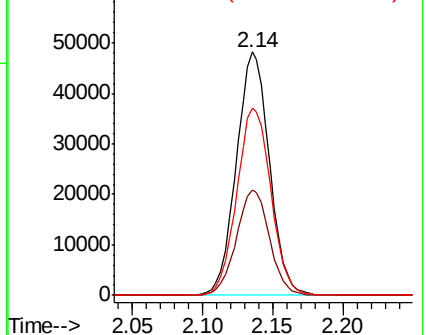
151 79.3 65.3 97.9



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: 4.750 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

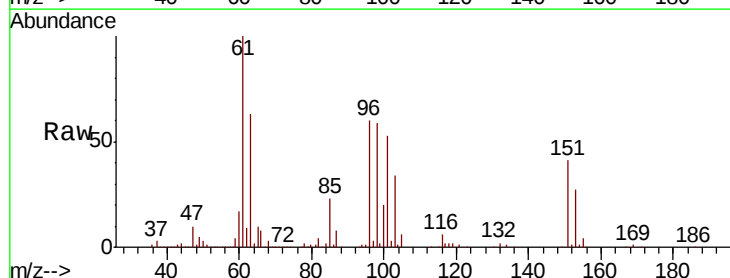
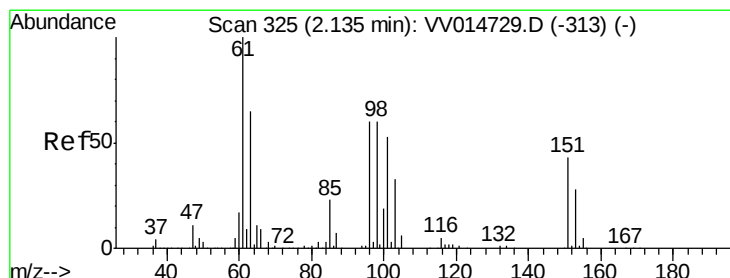
Tgt Ion: 96 Resp: 75695

Ion Ratio Lower Upper

96 100

61 167.1 121.3 225.3

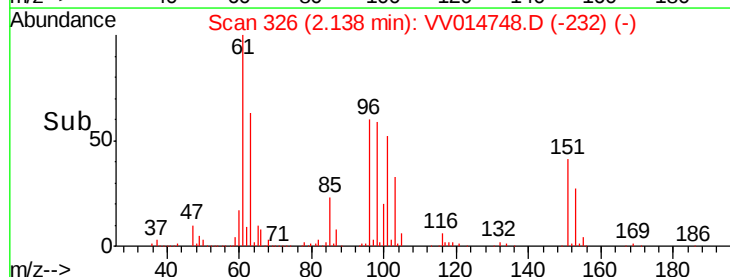
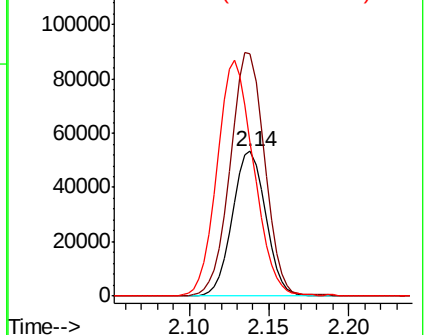
63 105.9 81.6 151.6

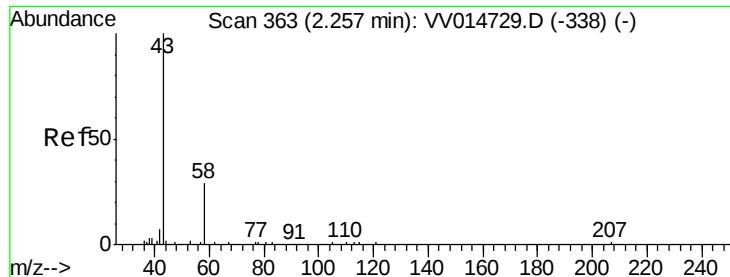


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 45.666 ug/L

RT: 2.23 min Scan# 356

Delta R.T. -0.02 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

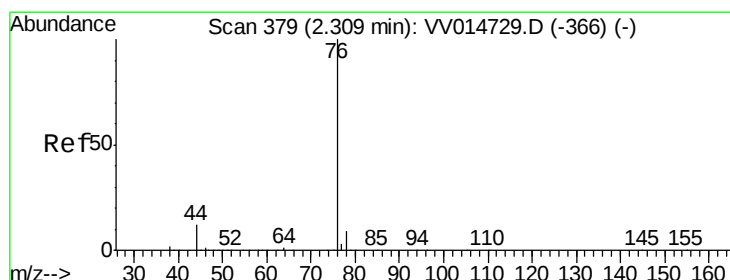
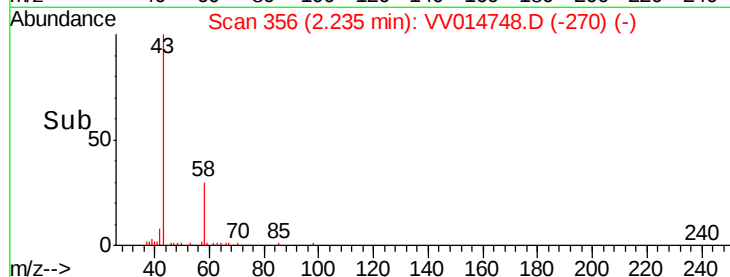
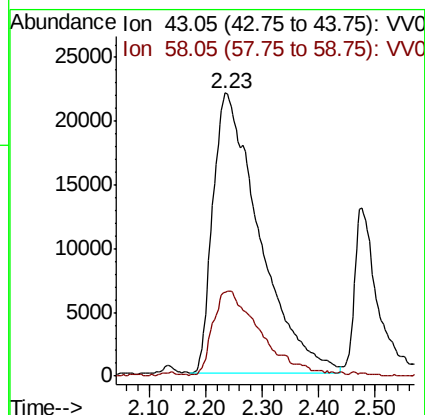
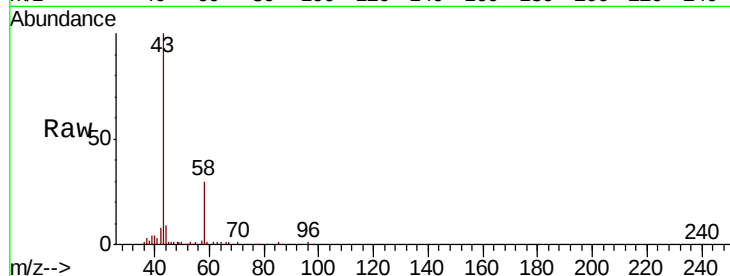
ClientSampleId :

Tot Ion: 43 Resp: 125762

Ion Ratio Lower Upper

43 100

58 30.9 0.0 20.0#



#14

Carbon disulfide

Concen: 4.512 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV014748.D

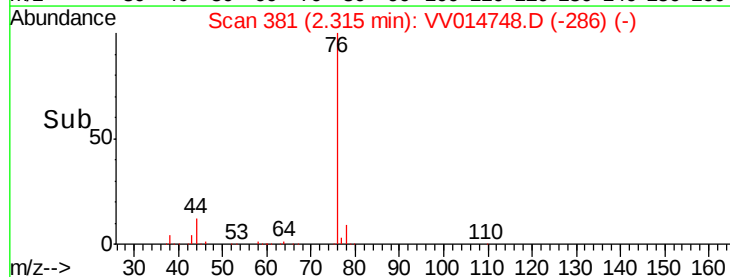
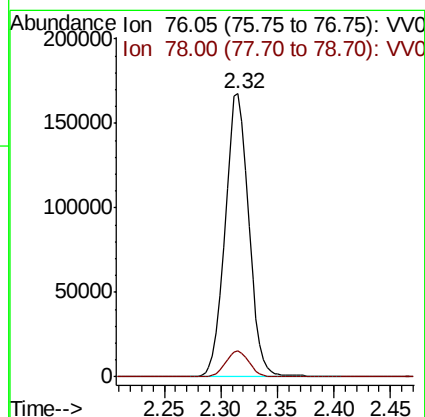
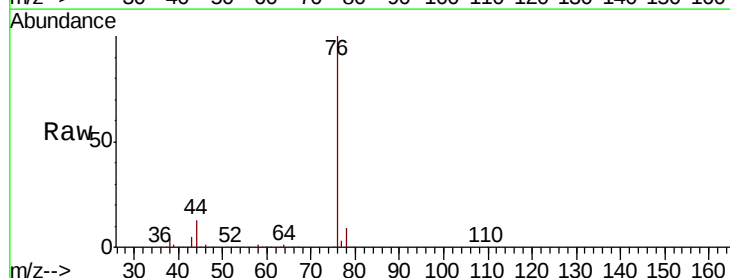
Acq: 04 Mar 2020 20:57

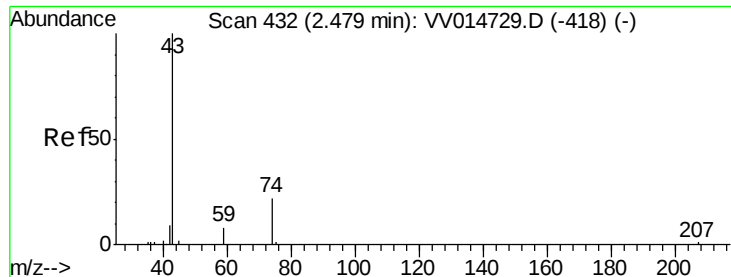
Tgt Ion: 76 Resp: 245171

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

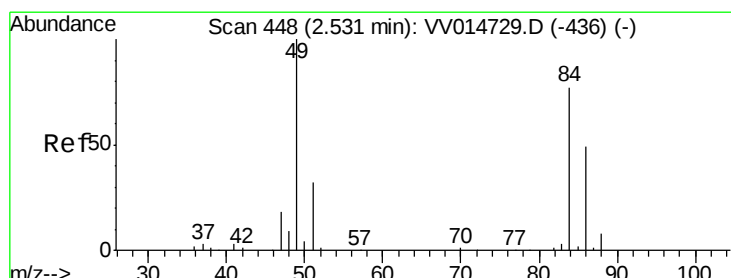
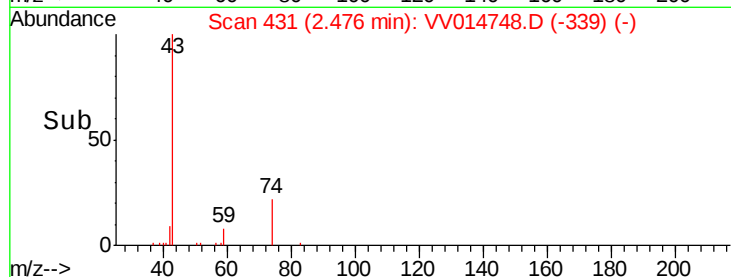
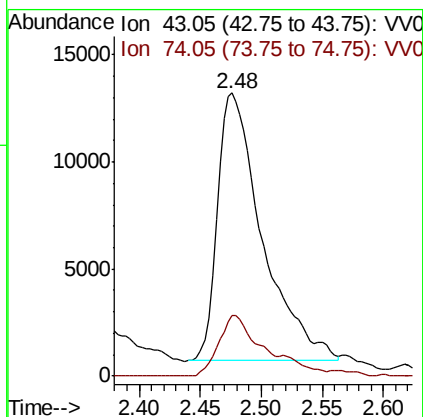
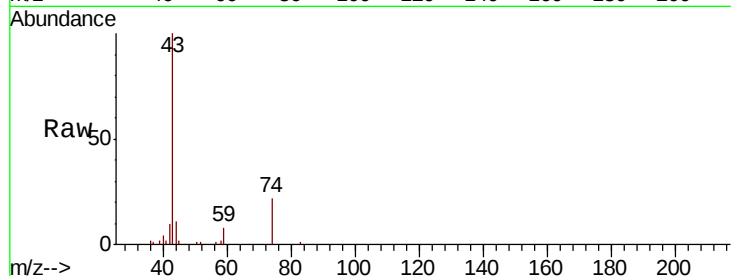




#15
Methyl Acetate
Concen: 4.584 ug/L
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

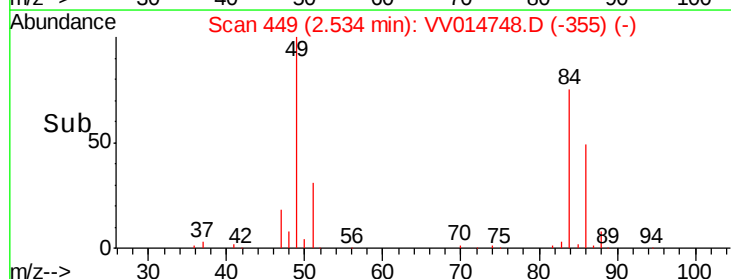
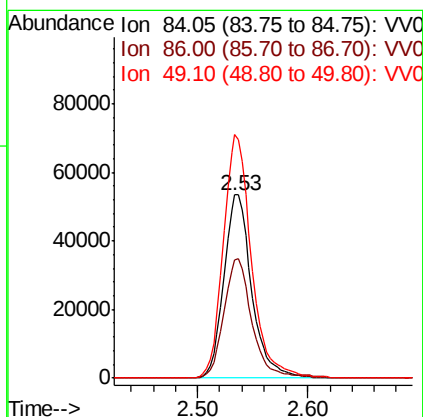
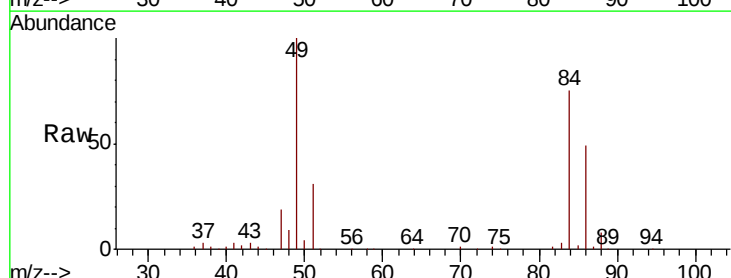
Instrument :
MSVOA_V
ClientSampled :

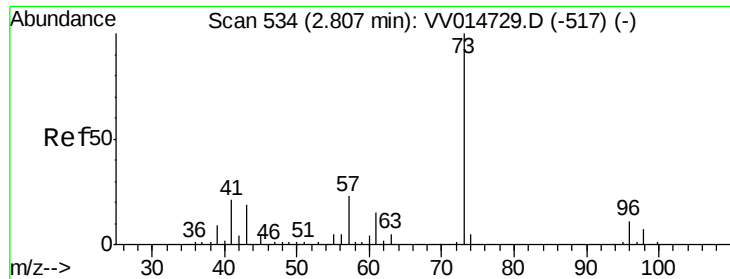
Tot Ion: 43 Resp: 32039
Ion Ratio Lower Upper
43 100
74 19.6 14.8 22.2



#16
Methylene chloride
Concen: 4.728 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Tgt Ion: 84 Resp: 94246
Ion Ratio Lower Upper
84 100
86 64.9 44.9 83.5
49 132.9 95.6 177.6

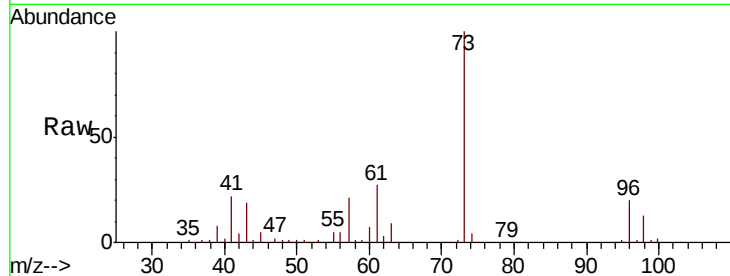




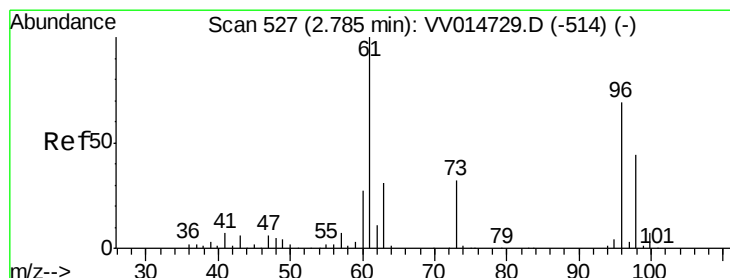
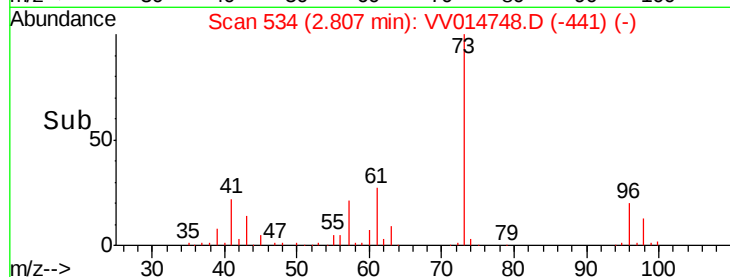
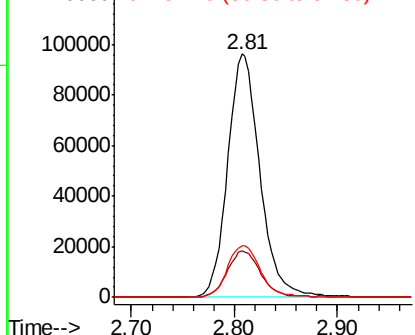
#17
Methvl tert-butvl Ether
Concen: 4.841 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 209885
Ion Ratio Lower Upper
73 100
43 19.7 16.0 24.0
57 22.0 18.4 27.6

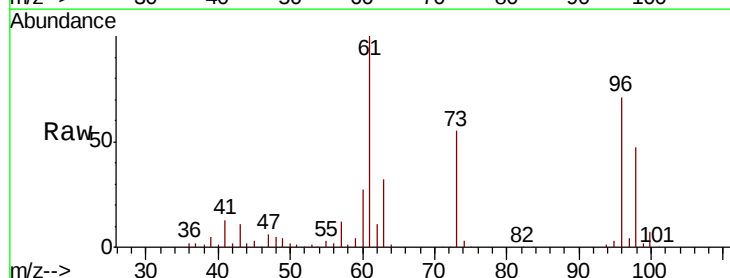


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

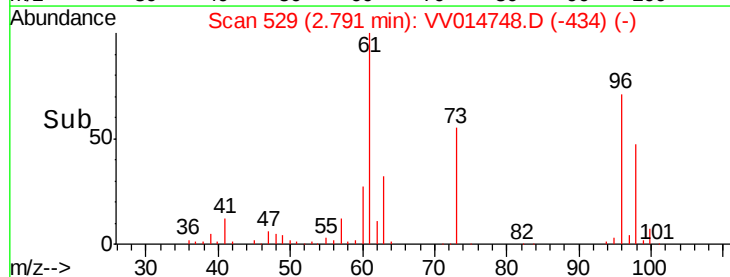
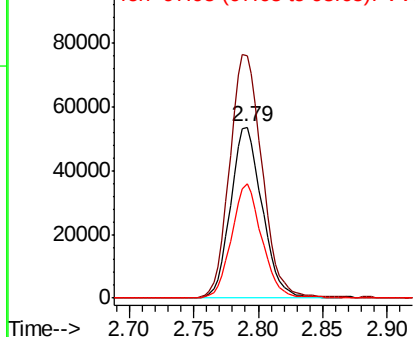


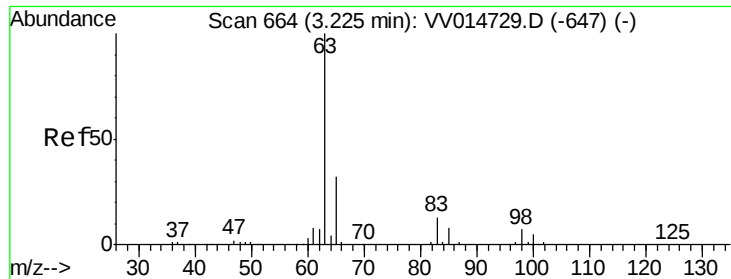
#18
trans-1,2-Dichloroethene
Concen: 4.738 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Tgt Ion: 96 Resp: 91278
Ion Ratio Lower Upper
96 100
61 141.8 104.9 194.9
98 66.5 42.9 79.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

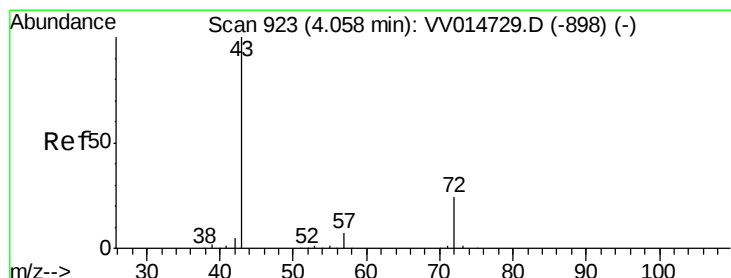
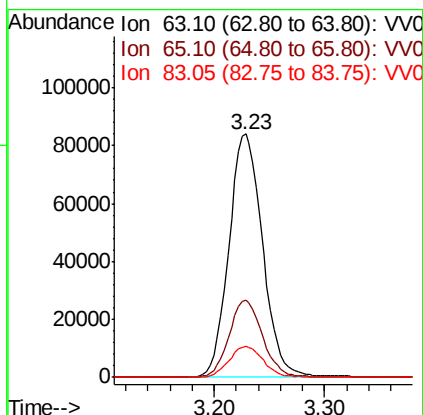
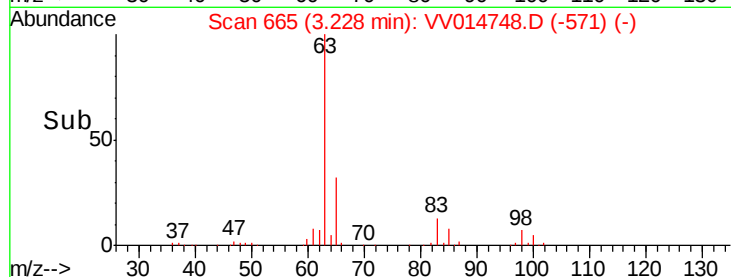
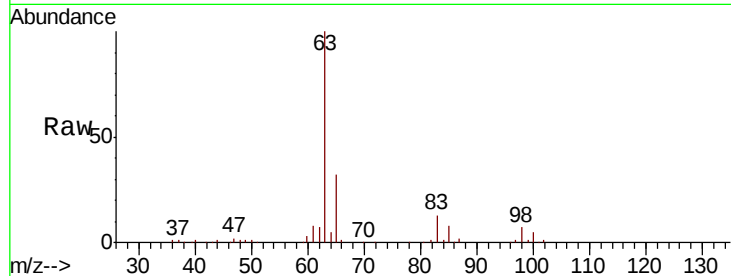




#19
 1,1-Dichloroethane
 Concen: 4.715 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014748.D
 Acq: 04 Mar 2020 20:57

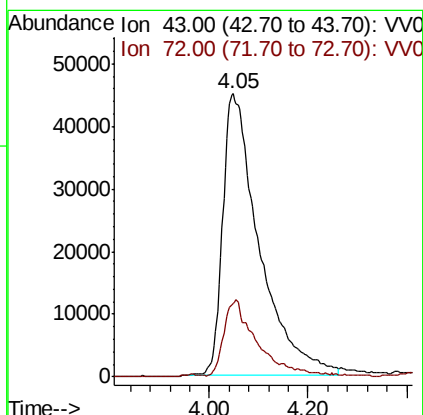
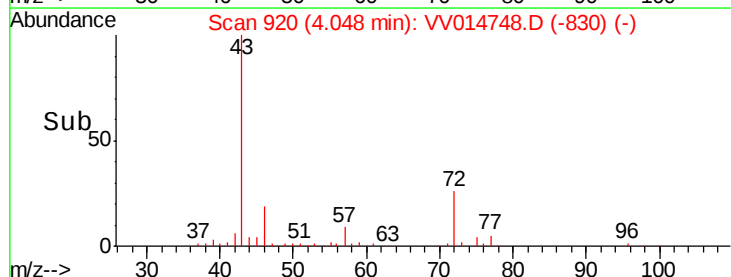
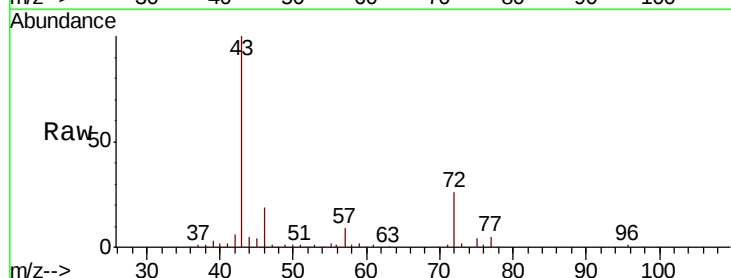
Instrument :
 MSVOA_V
 ClientSampled :

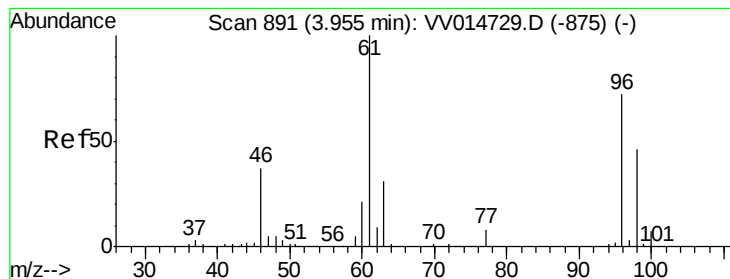
Tot Ion: 63 Resp: 177678
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.9 40.7
 83 12.5 9.0 16.6



#21
 2-Butanone
 Concen: 49.370 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VV014748.D
 Acq: 04 Mar 2020 20:57

Tgt Ion: 43 Resp: 231397
 Ion Ratio Lower Upper
 43 100
 72 21.9 10.5 31.6



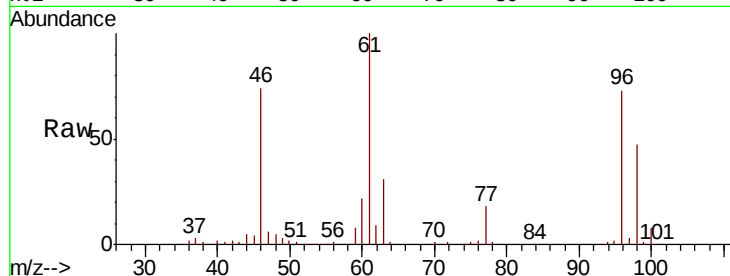


#22

cis-1,2-Dichloroethene
Concen: 4.763 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.01 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	93.3	173.3
68	0.0	0.0	0.0

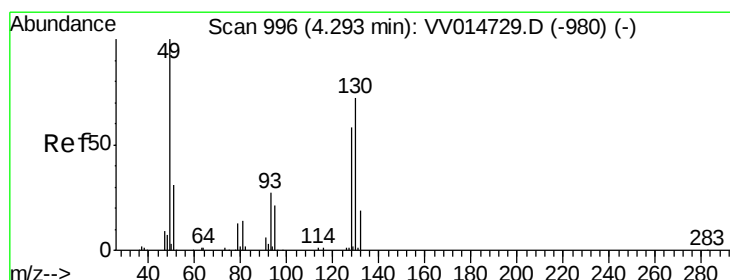
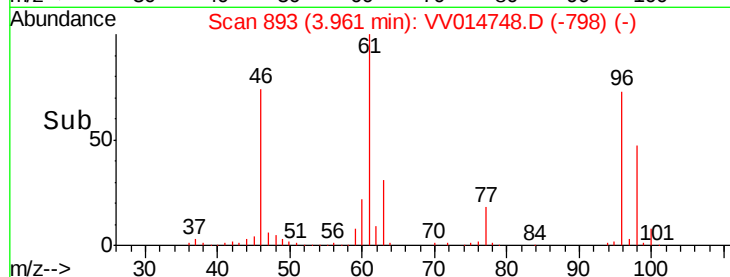
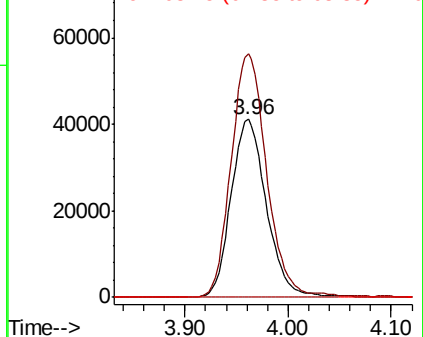


Abundance

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: 4.843 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Tgt Ion	Ratio	Lower	Upper
128	100		
49	177.0	136.2	252.9
130	129.6	90.3	167.7
51	56.5	47.9	71.9

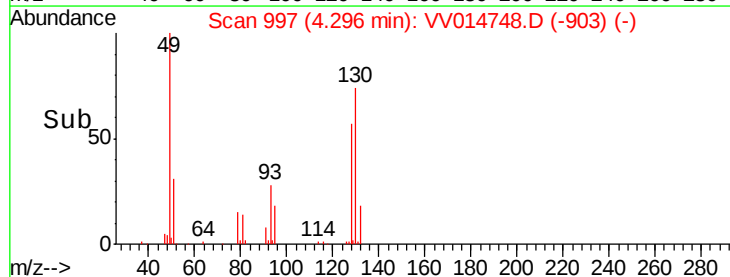
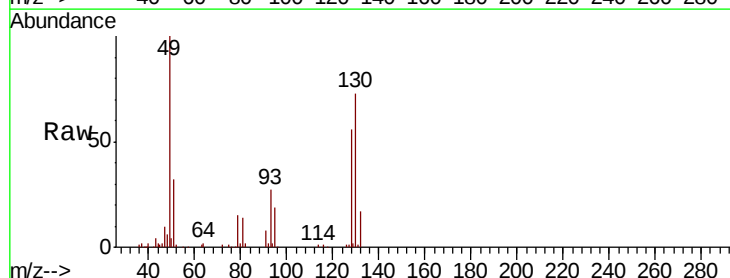
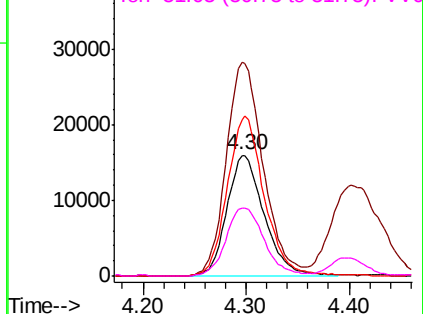
Abundance

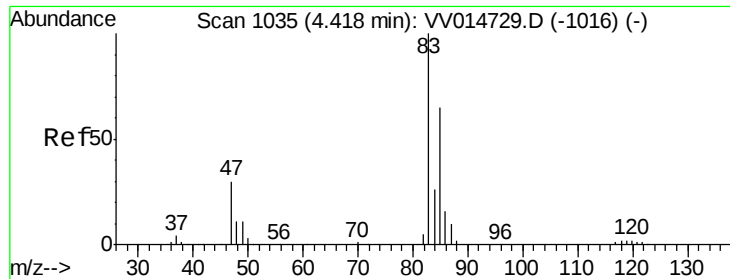
Ion 127.90 (127.60 to 128.60): VV014729.D (-980) (-)

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) (-)

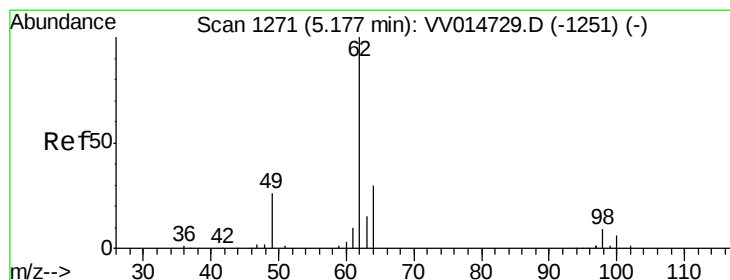
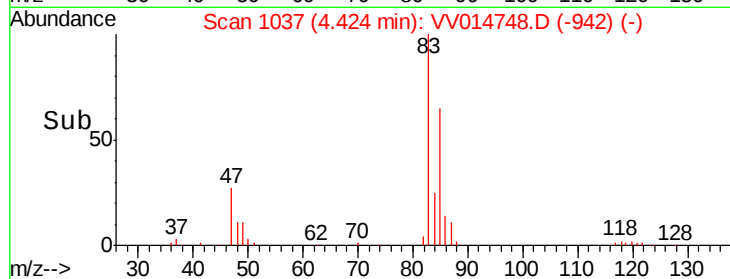
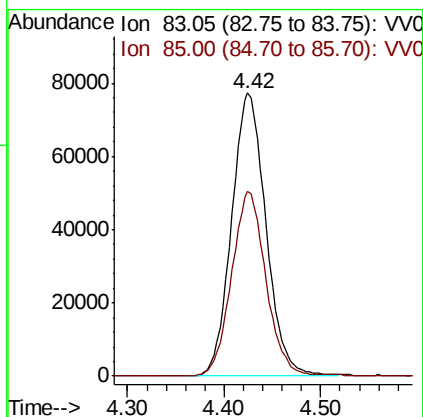
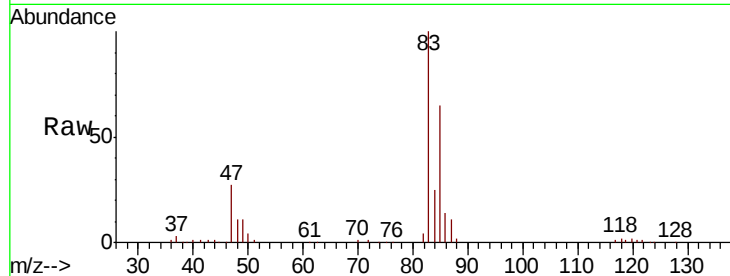




#25
Chloroform
Concen: 5.149 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

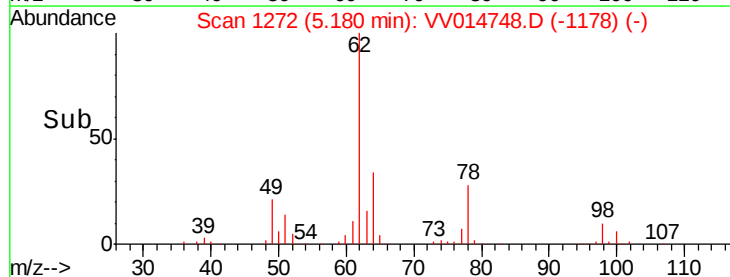
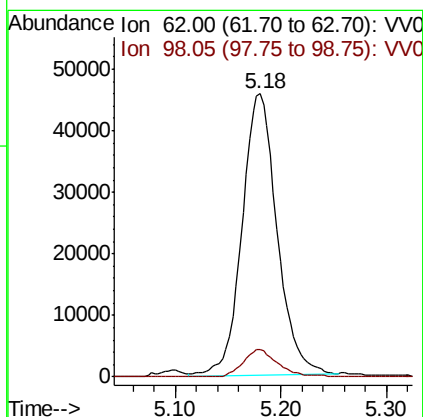
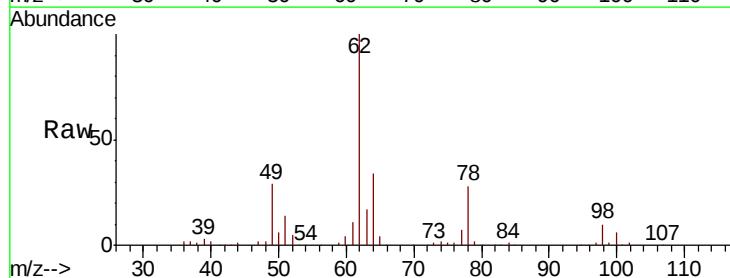
Instrument :
MSVOA_V
ClientSampleId :

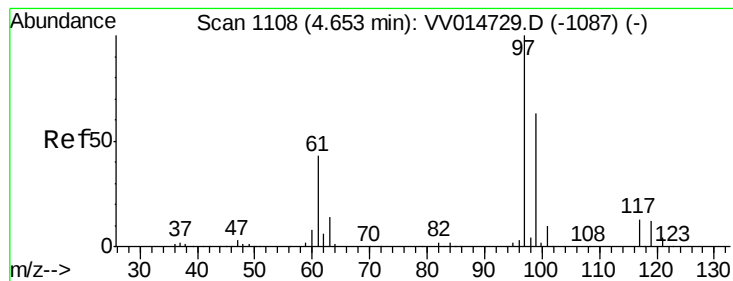
Tot Ion: 83 Resp: 190446
Ion Ratio Lower Upper
83 100
85 65.2 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.664 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Tgt Ion: 62 Resp: 105647
Ion Ratio Lower Upper
62 100
98 9.8 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.811 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :

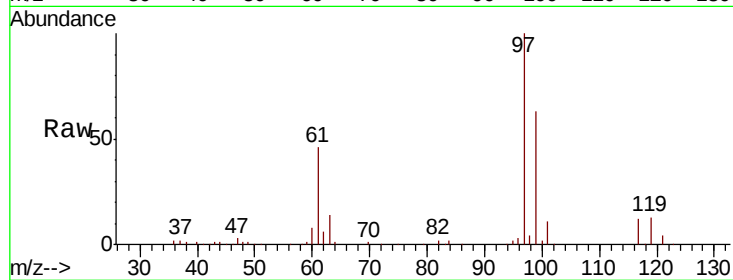
Tot Ion: 97 Resp: 153549

Ion Ratio Lower Upper

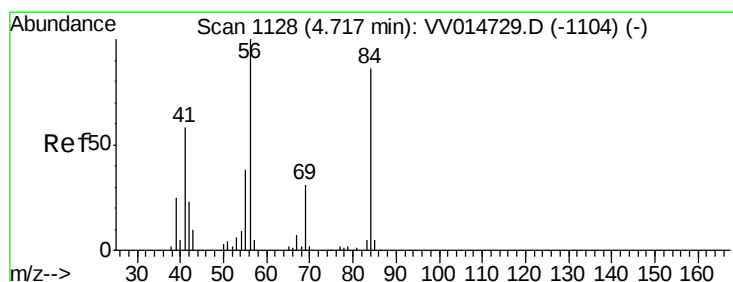
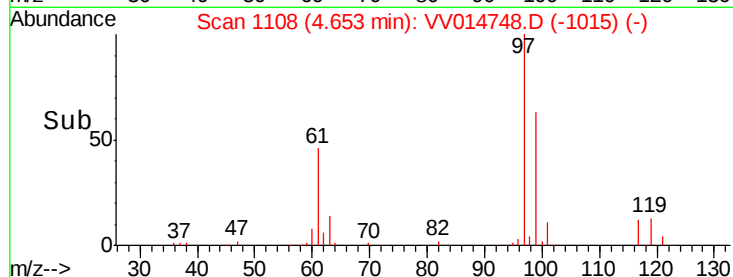
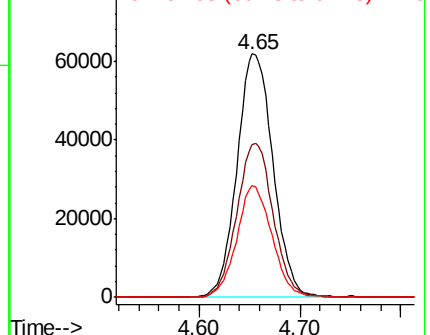
97 100

99 63.7 50.6 76.0

61 45.0 36.3 54.5



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.581 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

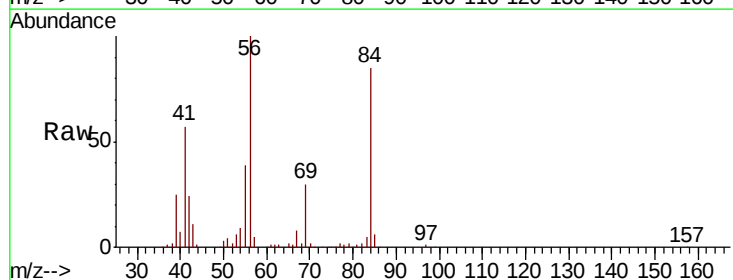
Tgt Ion: 56 Resp: 164558

Ion Ratio Lower Upper

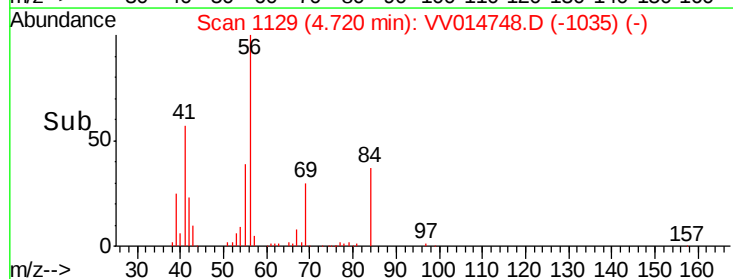
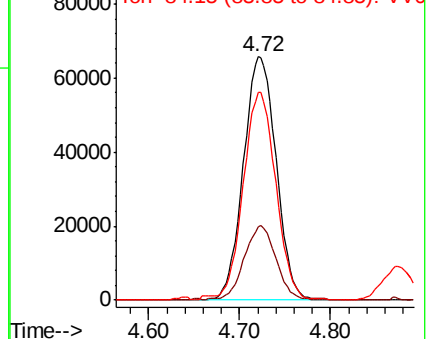
56 100

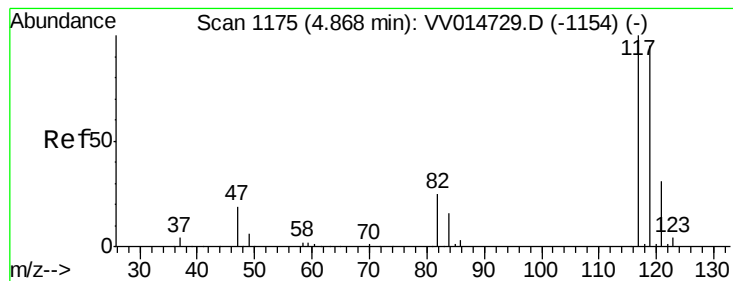
69 29.1 23.4 35.2

84 84.4 66.3 99.5



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.841 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

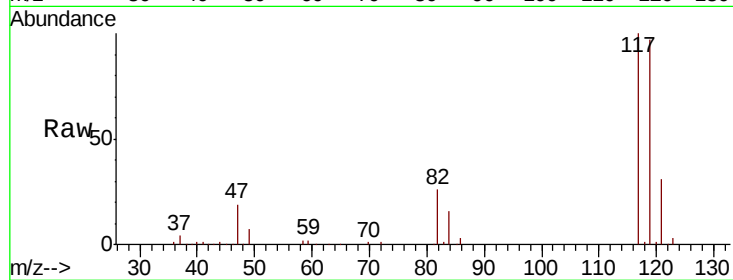
ClientSampleId :

Tot Ion:117 Resp: 133073

Ion Ratio Lower Upper

117 100

119 96.6 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

60000

50000

40000

30000

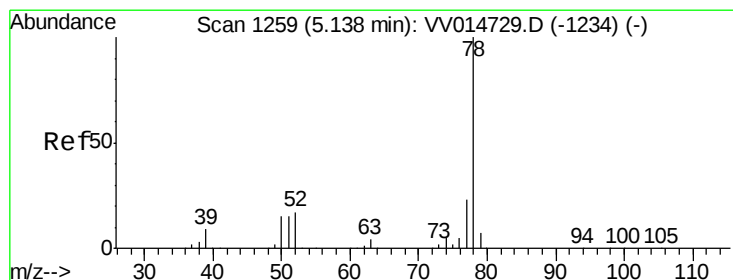
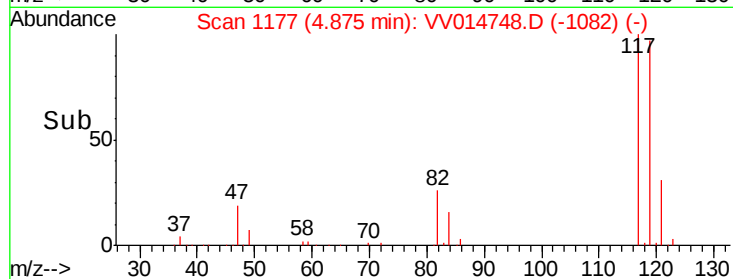
20000

10000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 4.877 ug/L

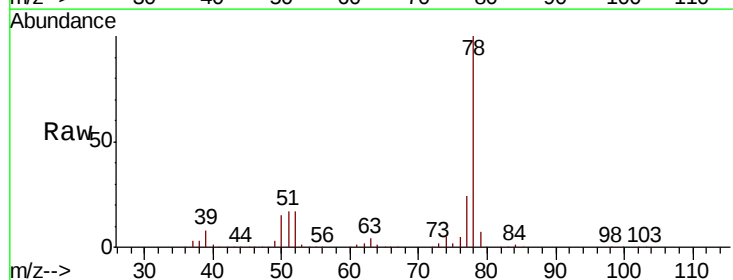
RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Tgt Ion: 78 Resp: 387618



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

200000

150000

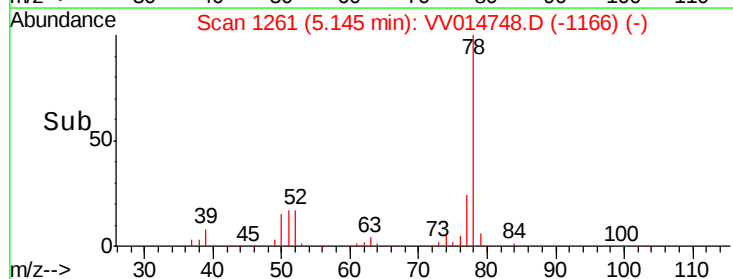
100000

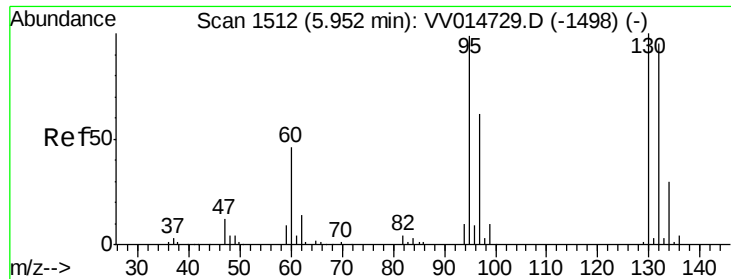
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 4.846 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 100895

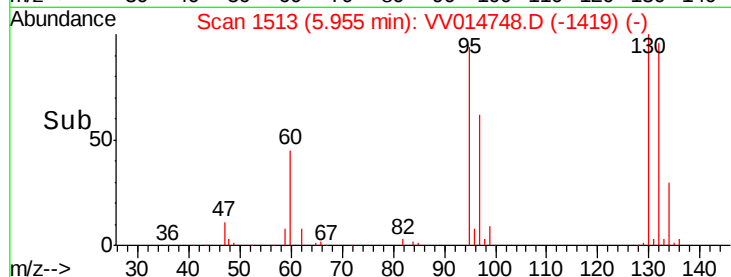
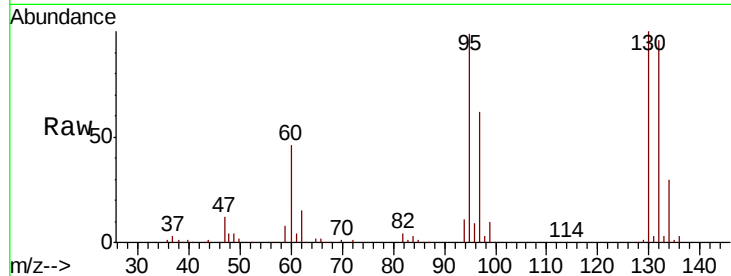
Ion Ratio Lower Upper

95 100

97 62.2 45.8 85.0

132 96.0 68.7 127.5

130 100.5 74.1 137.5

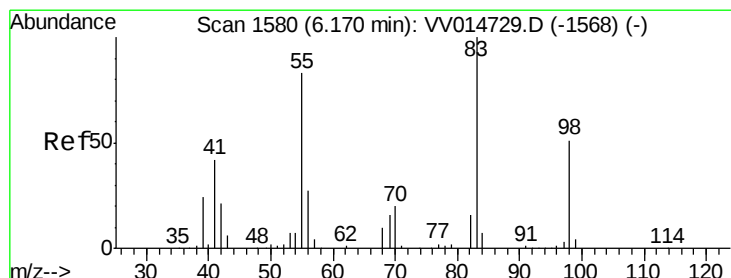
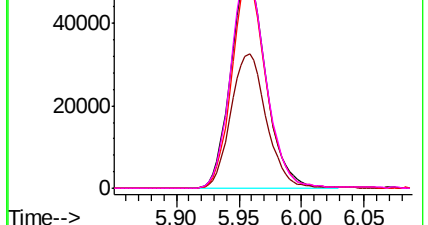


Abundance Ion 95.00 (94.70 to 95.70): VV014748.D (-1419) (-)

Ion 96.95 (96.65 to 97.65): VV014748.D (-1419) (-)

Ion 131.95 (131.65 to 132.65): VV014748.D (-1419) (-)

Ion 129.95 (129.65 to 130.65): VV014748.D (-1419) (-)



#35

Methylcyclohexane

Concen: 4.750 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

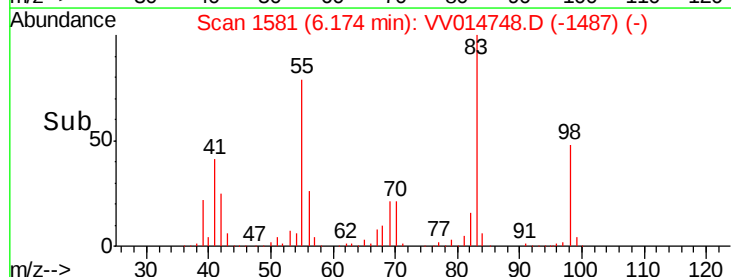
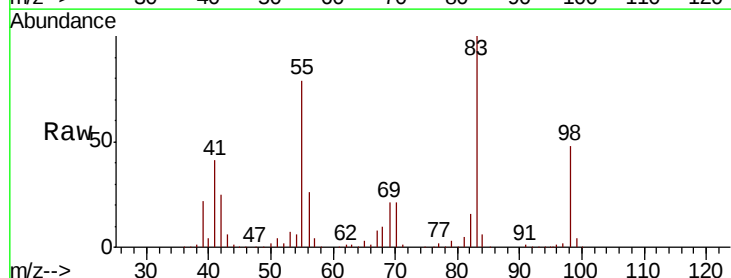
Tgt Ion: 83 Resp: 168208

Ion Ratio Lower Upper

83 100

55 78.6 64.6 96.8

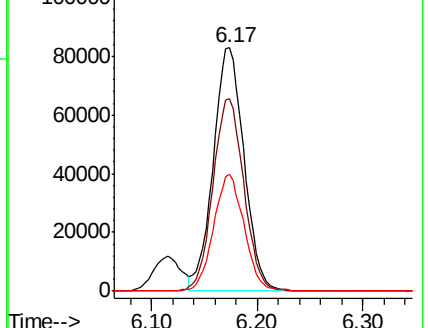
98 47.6 37.8 56.8

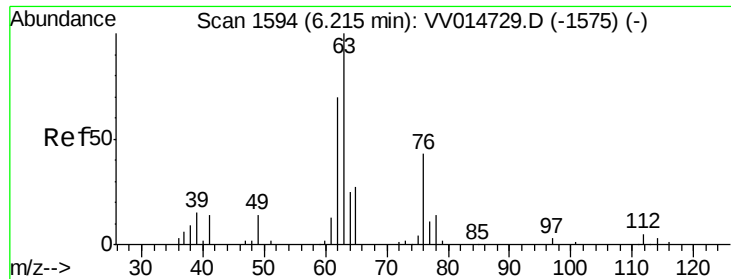


Abundance Ion 83.15 (82.85 to 83.85): VV014748.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV014748.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV014748.D (-1487) (-)

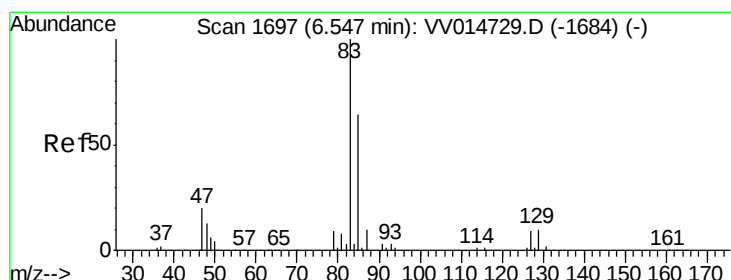
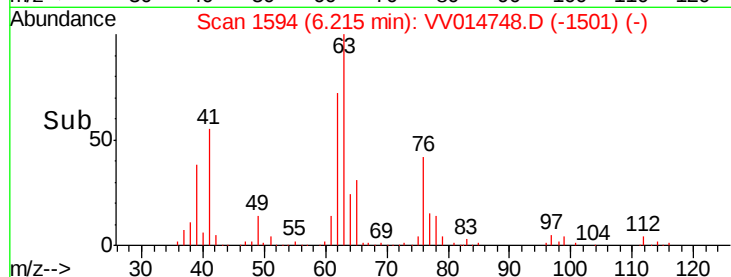
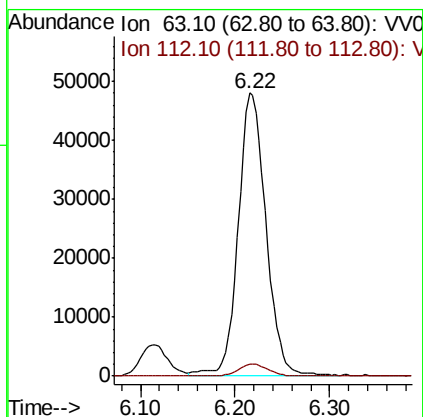
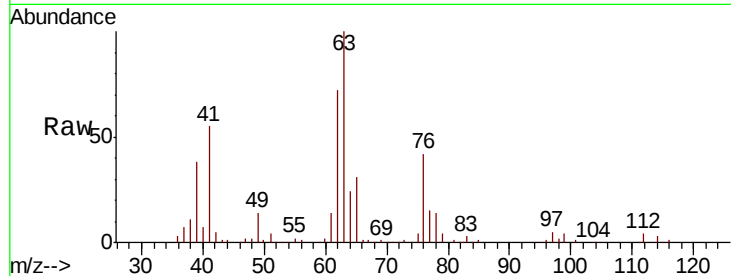




#37
 1,2-Dichloropropane
 Concen: 4.793 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014748.D
 Acq: 04 Mar 2020 20:57

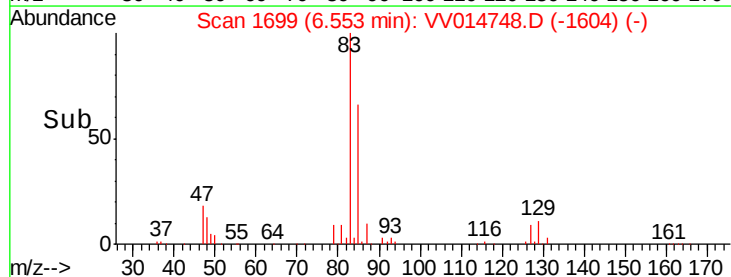
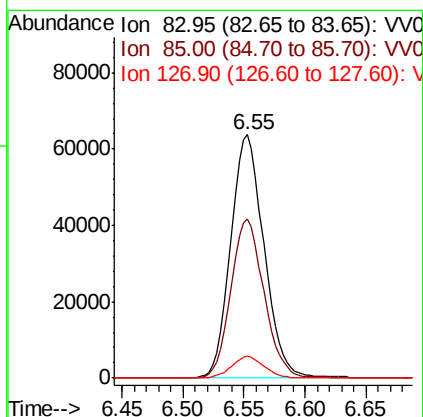
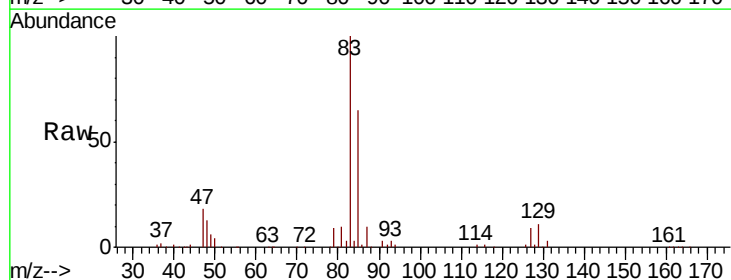
Instrument :
 MSVOA_V
 ClientSampled :

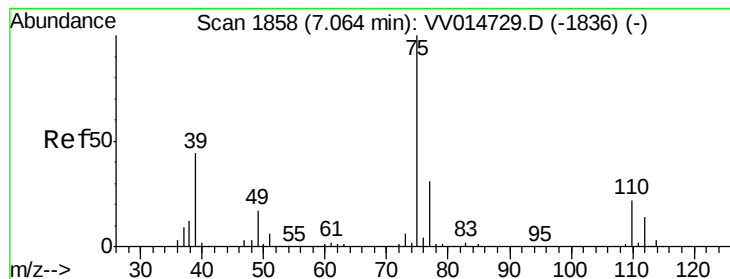
Tot Ion: 63 Resp: 97308
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.899 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VV014748.D
 Acq: 04 Mar 2020 20:57

Tgt Ion: 83 Resp: 121341
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.2 84.0
 127 8.9 6.6 10.0



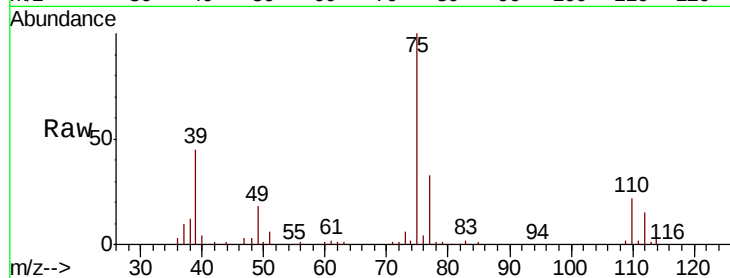


#39

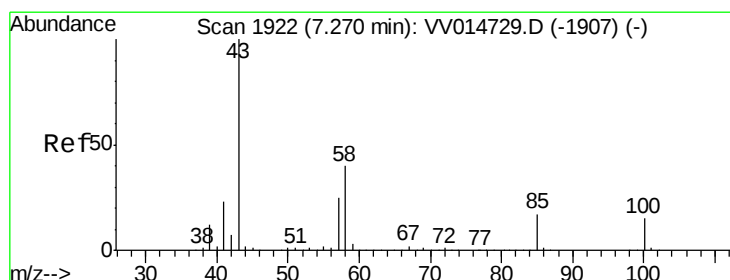
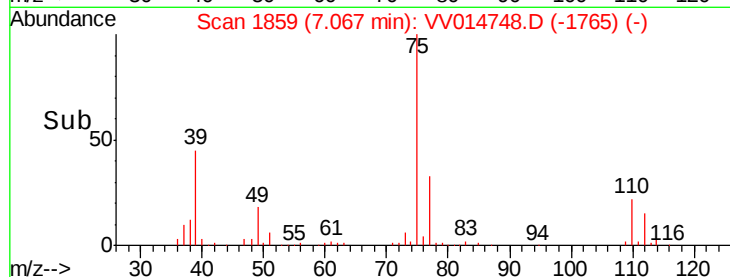
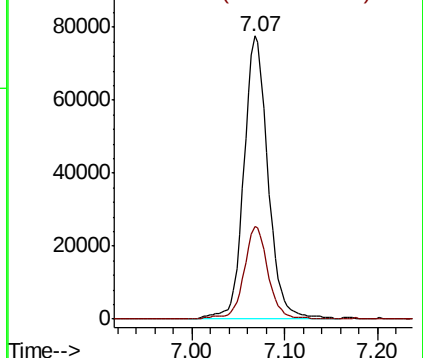
cis-1,3-Dichloropropene
 Concen: 4.780 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014748.D
 Acq: 04 Mar 2020 20:57

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 75 Resp: 140605
 Ion Ratio Lower Upper
 75 100
 77 32.6 23.0 42.8



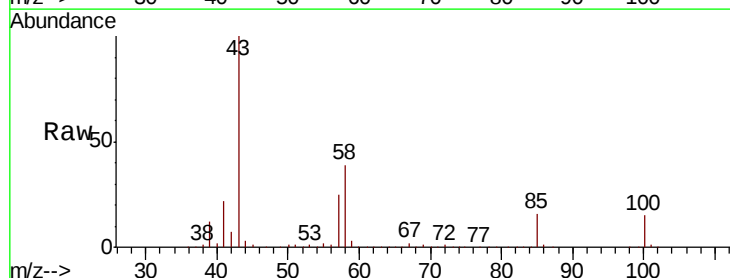
Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0



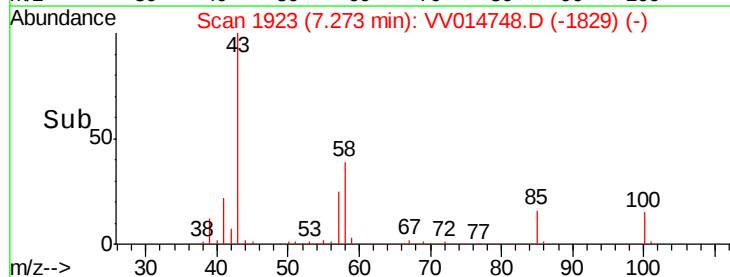
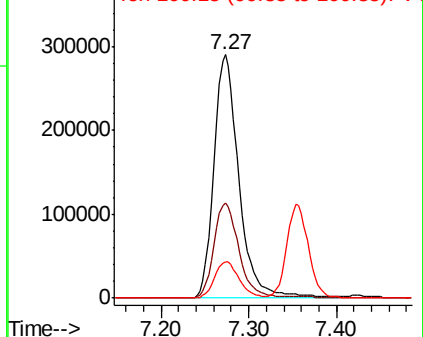
#40

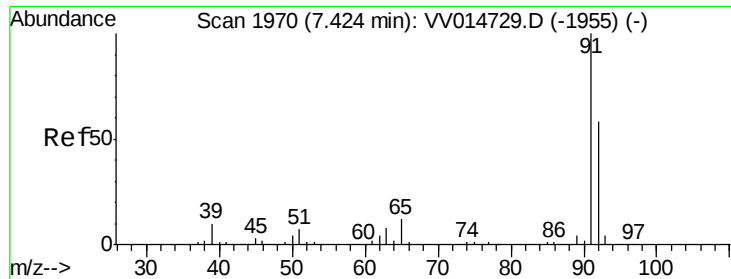
4-Methyl-2-pentanone
 Concen: 47.245 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014748.D
 Acq: 04 Mar 2020 20:57

Tgt Ion: 43 Resp: 574411
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.2 45.2
 100 14.8 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





#42

Toluene

Concen: 4.921 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

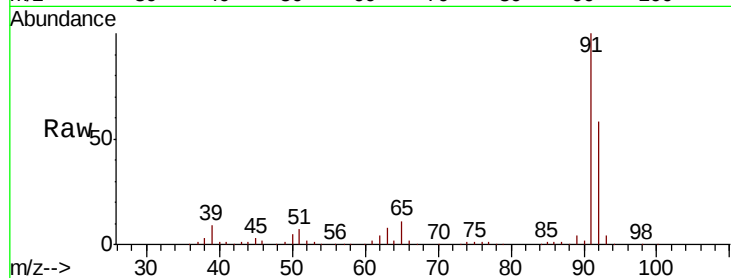
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 414188

Ion Ratio Lower Upper

91 100

92 58.2 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV014729.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV014729.D (-1955) (-)

7.43

250000

200000

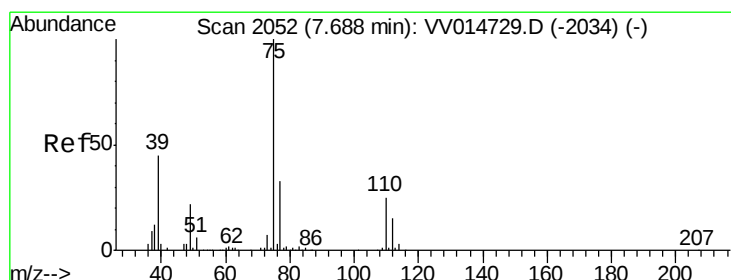
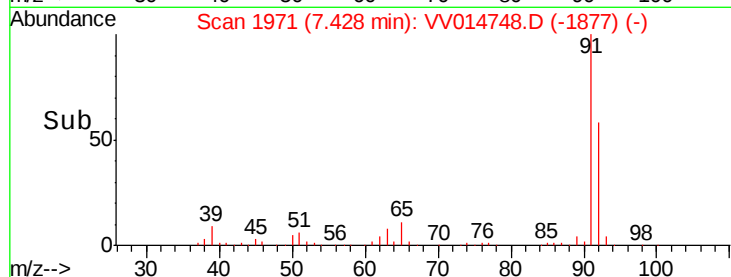
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.678 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014748.D

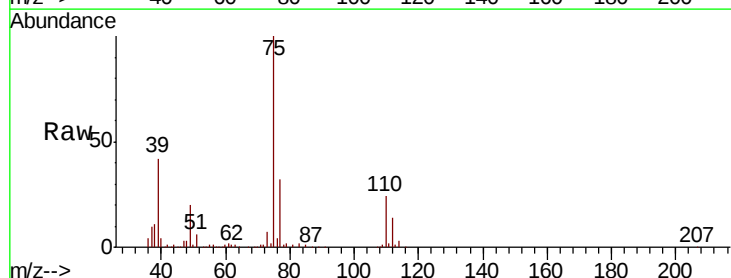
Acq: 04 Mar 2020 20:57

Tgt Ion: 75 Resp: 106756

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV014729.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV014729.D (-2034) (-)

7.69

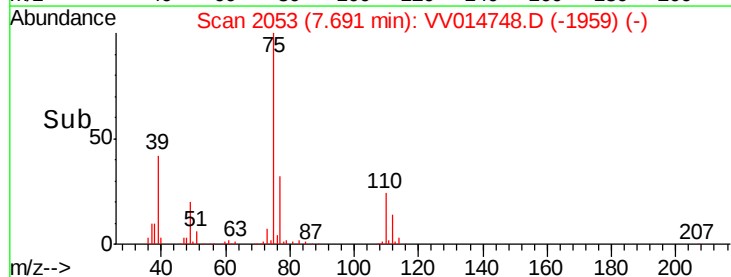
60000

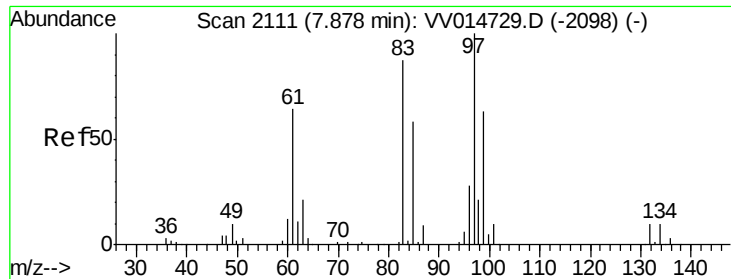
40000

20000

0

Time-->

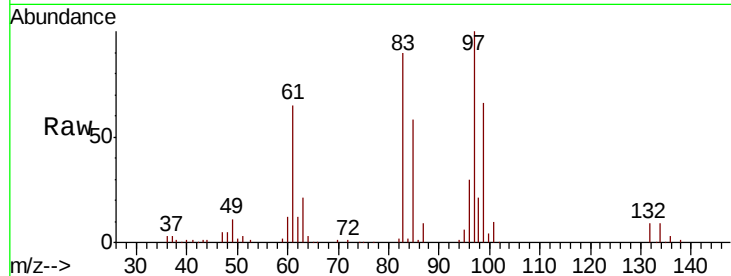




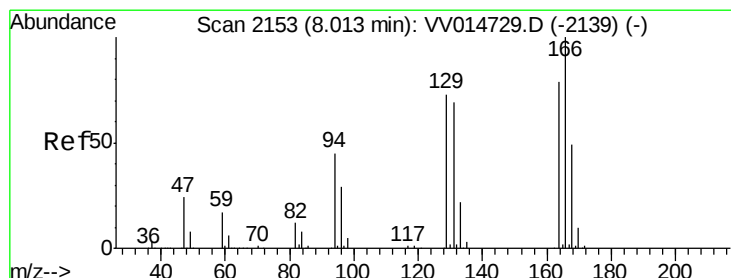
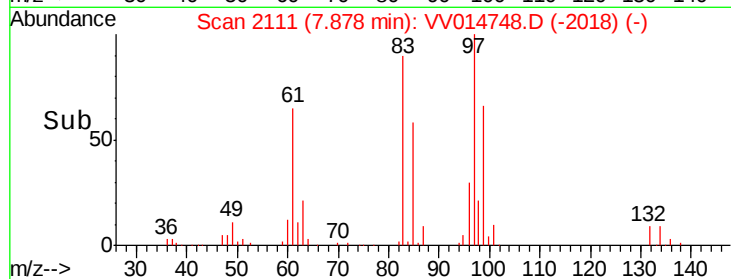
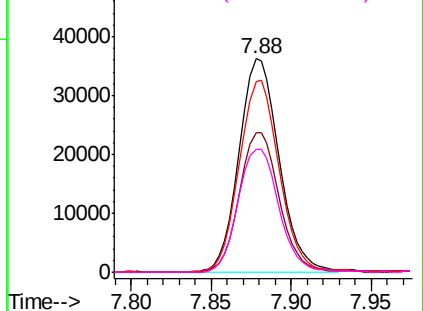
#45
1,1,2-Trichloroethane
Concen: 4.769 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	61824
Ion	Ratio	Lower	Upper
97	100		
99	65.6	45.4	84.4
83	89.5	59.8	111.1
85	57.6	38.3	71.1

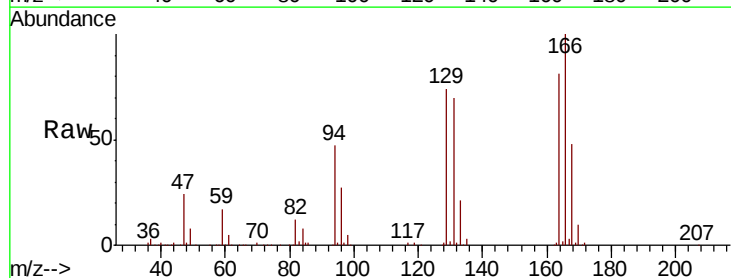


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

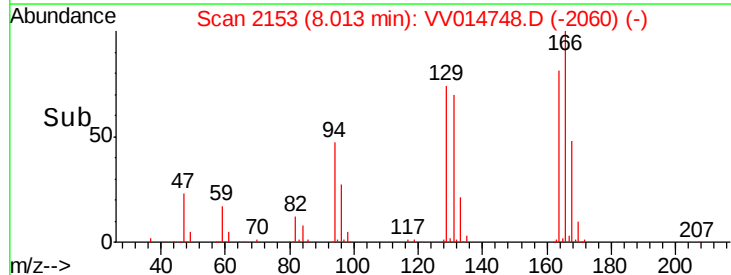
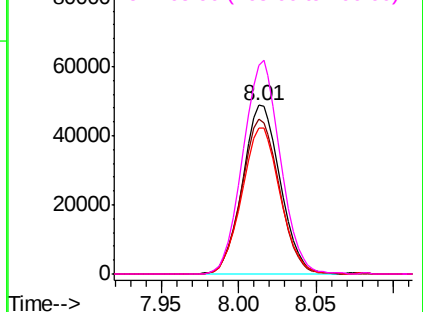


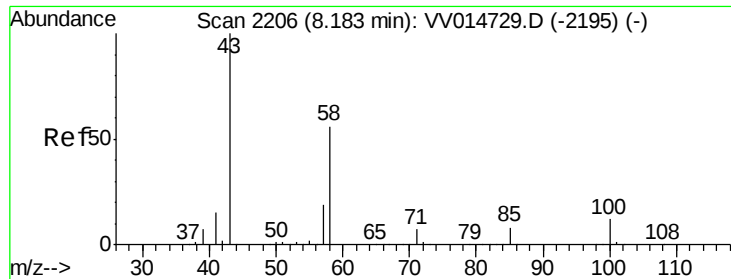
#47
Tetrachloroethene
Concen: 4.982 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Tgt Ion:	164	Resp:	82936
Ion	Ratio	Lower	Upper
164	100		
129	92.1	65.9	122.5
131	87.0	64.0	119.0
166	124.0	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

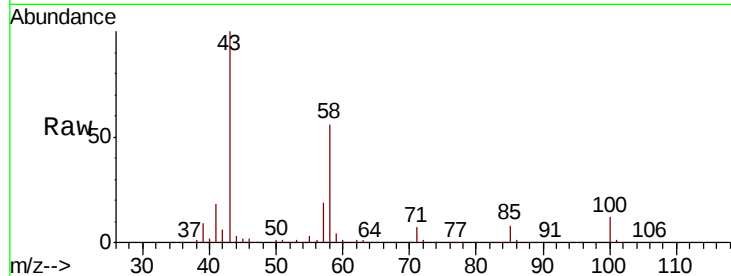




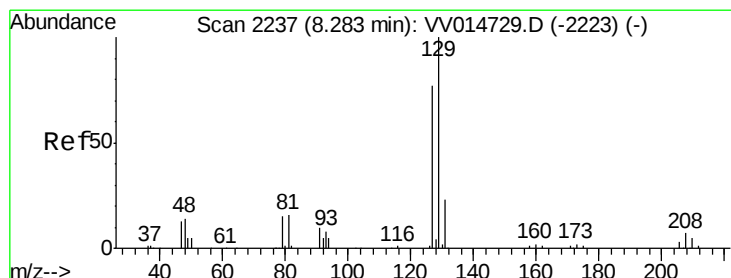
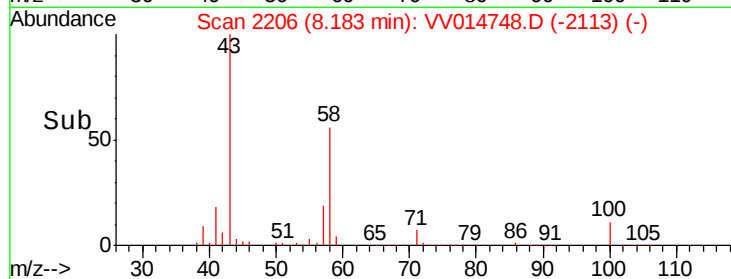
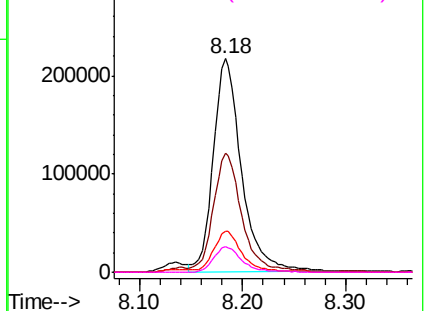
#48
2-Hexanone
Concen: 47.245 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 409273
Ion Ratio Lower Upper
43 100
58 56.5 43.1 64.7
57 19.3 14.6 21.8
100 12.0 9.0 13.4

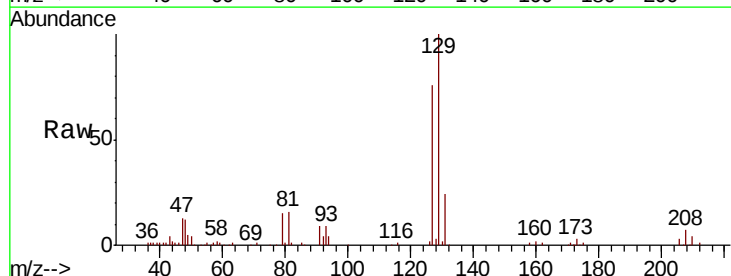


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

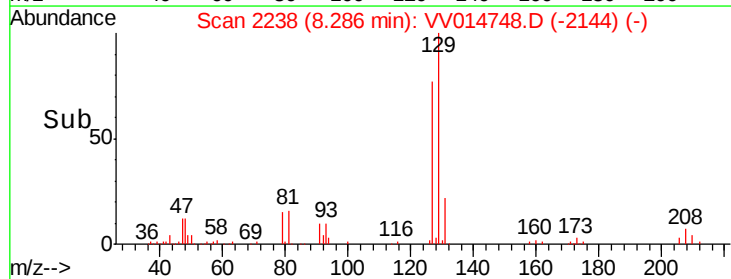
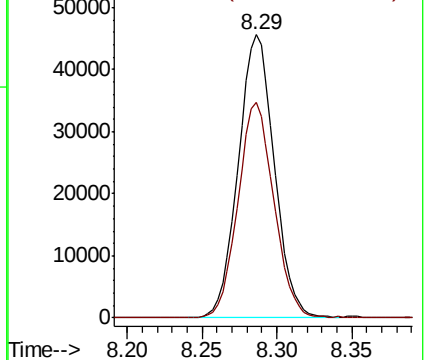


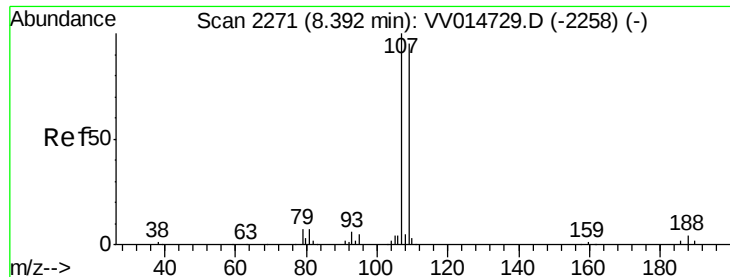
#49
Dibromochloromethane
Concen: 5.219 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Tgt Ion: 129 Resp: 76485
Ion Ratio Lower Upper
129 100
127 76.2 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

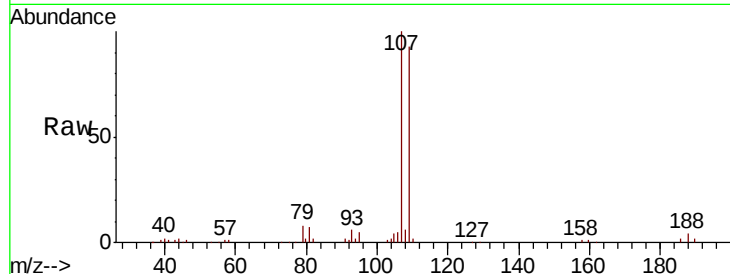




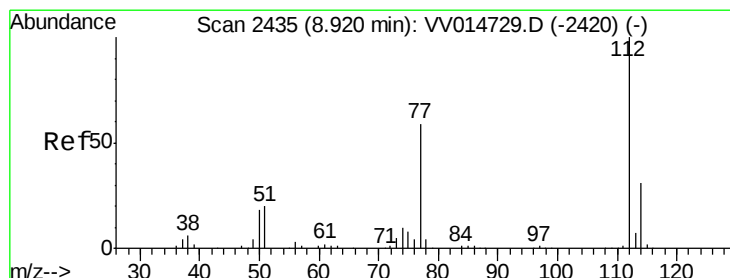
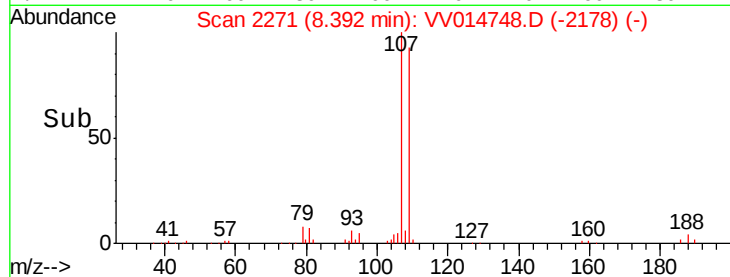
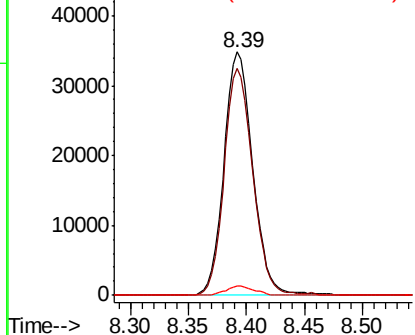
#50
1,2-Dibromoethane
Concen: 4.850 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 60015
Ion Ratio Lower Upper
107 100
109 93.2 63.6 118.2
188 3.9 3.1 4.7

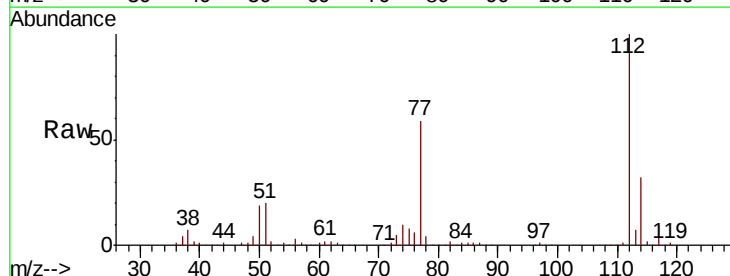


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

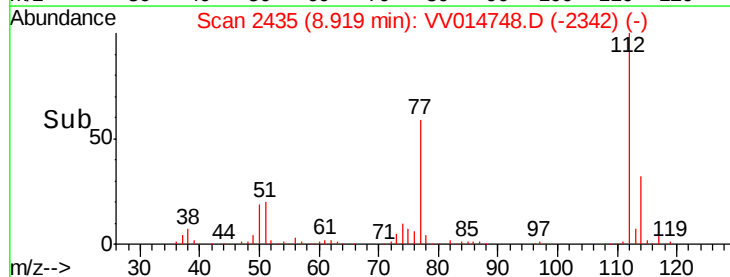
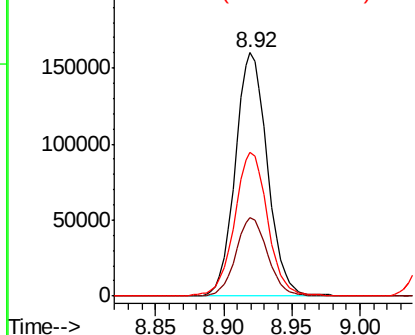


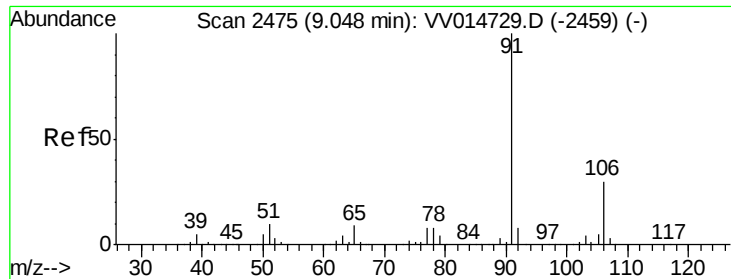
#51
Chlorobenzene
Concen: 4.902 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Tgt Ion:112 Resp: 261254
Ion Ratio Lower Upper
112 100
114 32.0 23.2 43.2
77 59.2 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): VV0





#52

Ethylbenzene

Concen: 4.896 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

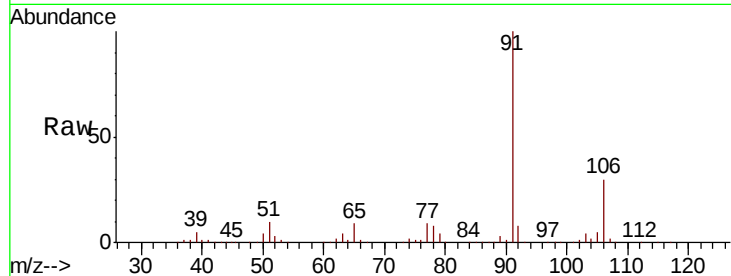
ClientSampleId :

Tot Ion: 91 Resp: 467280

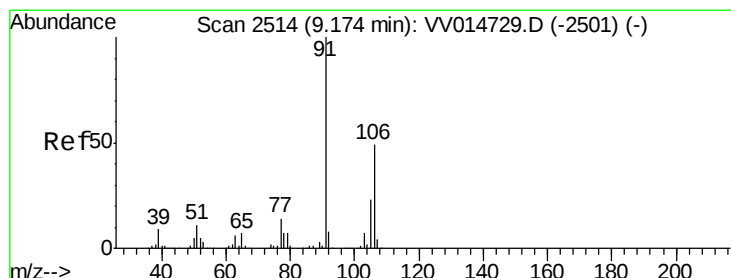
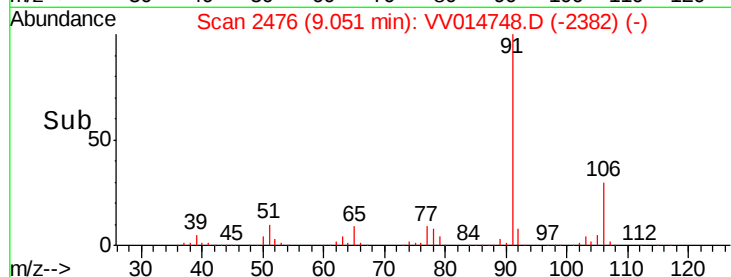
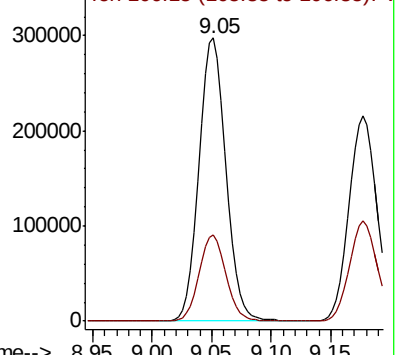
Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV014729.D (-2459) (-)



#53

m,p-xylene

Concen: 4.886 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014748.D

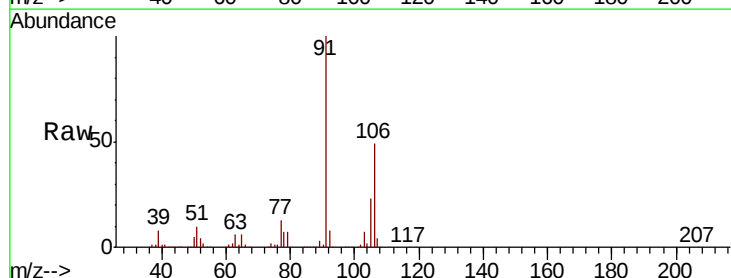
Acq: 04 Mar 2020 20:57

Tgt Ion: 106 Resp: 170739

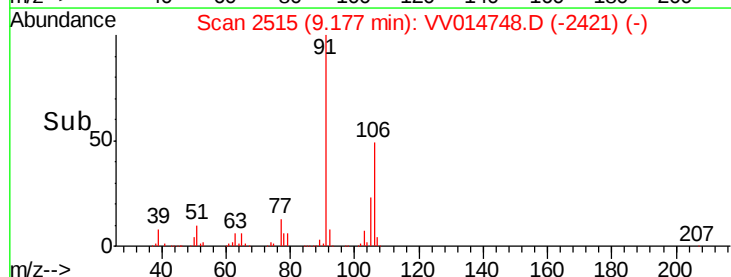
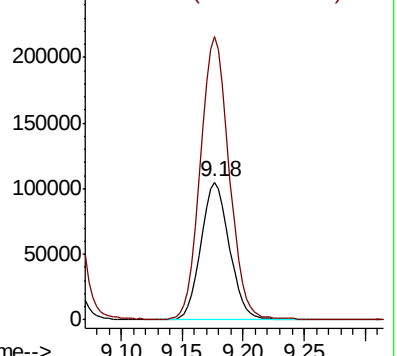
Ion Ratio Lower Upper

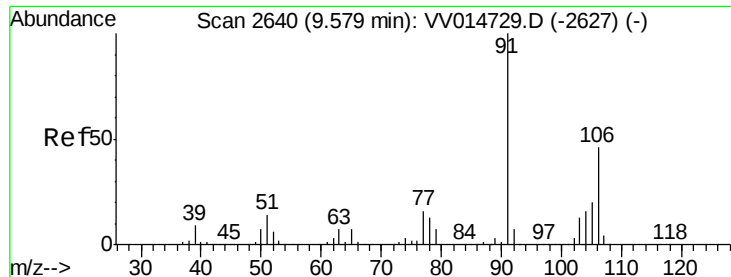
106 100

91 205.8 142.5 264.6



Abundance Ion 106.15 (105.85 to 106.85): VV014729.D (-2501) (-)





#54

o-xylene

Concen: 4.950 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

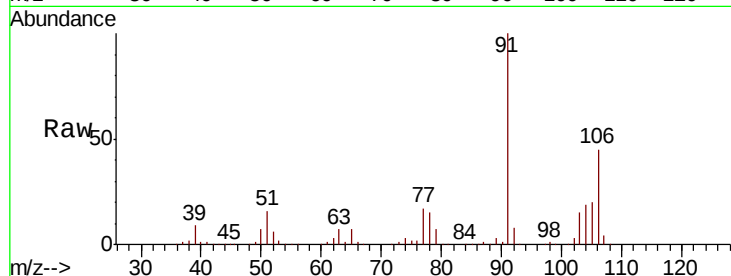
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 168380

Ion Ratio Lower Upper

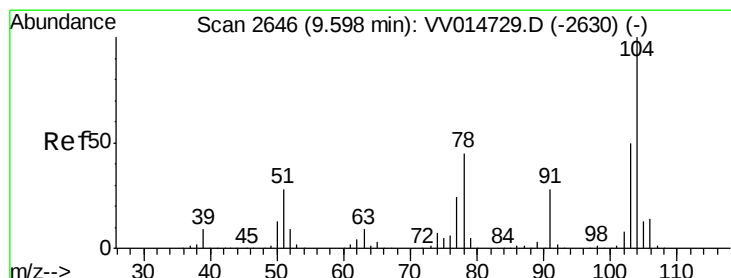
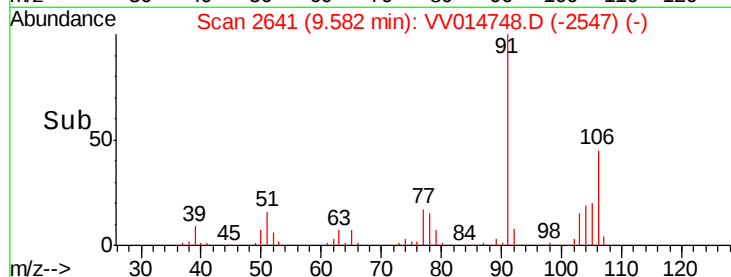
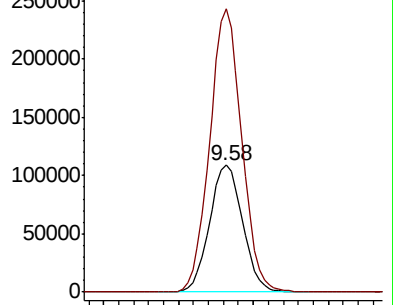
106 100

91 222.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.958 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014748.D

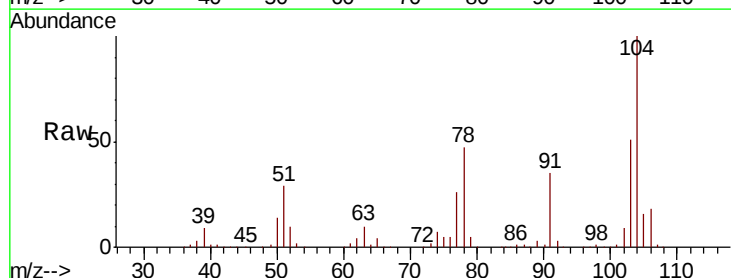
Acq: 04 Mar 2020 20:57

Tgt Ion:104 Resp: 283321

Ion Ratio Lower Upper

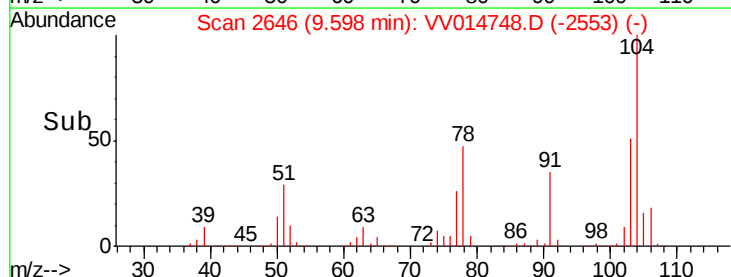
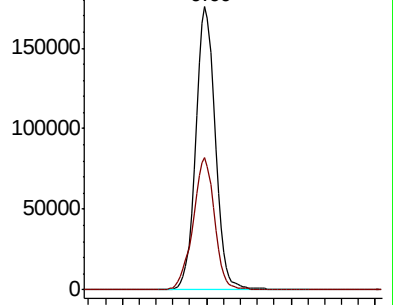
104 100

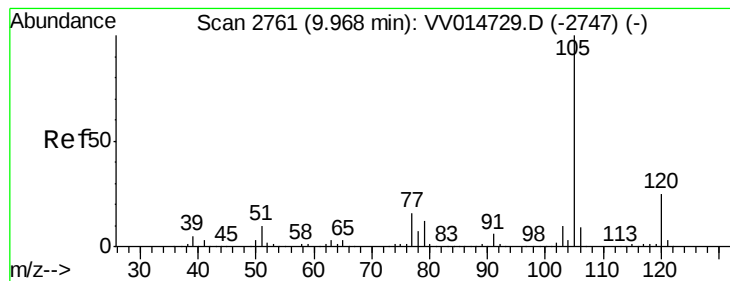
78 46.6 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.939 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

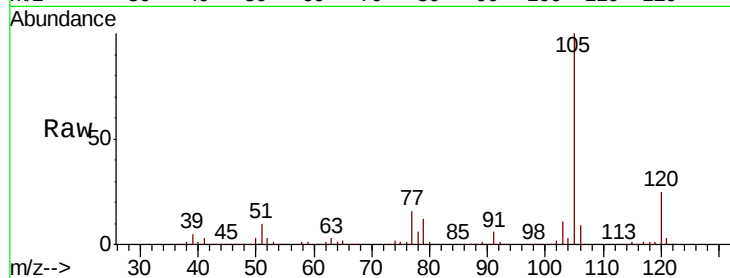
Tot Ion:105 Resp: 453869

Ion Ratio Lower Upper

105 100

120 26.5 20.6 31.0

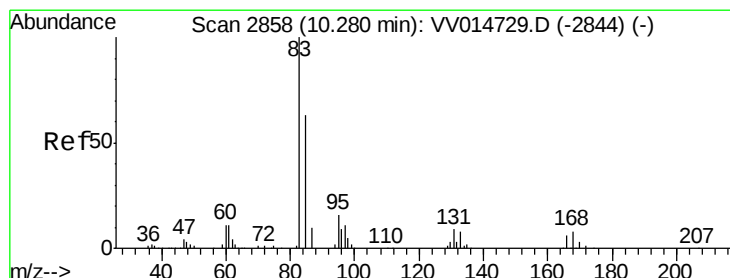
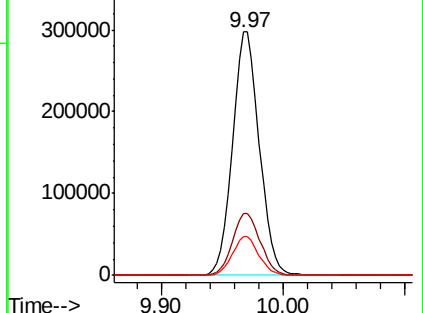
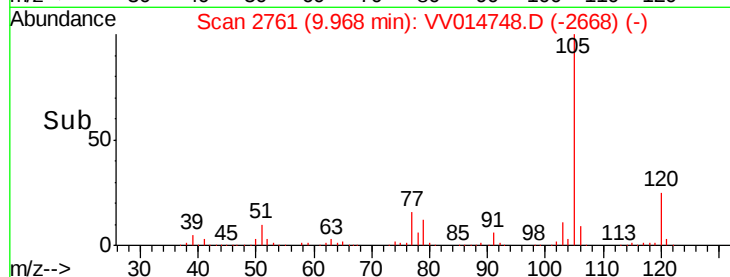
77 15.9 12.6 18.8



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: 4.969 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

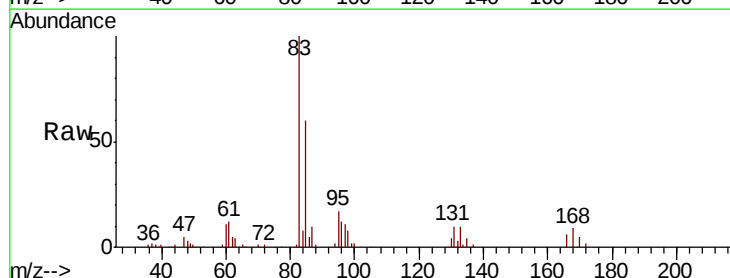
Tgt Ion: 83 Resp: 80551

Ion Ratio Lower Upper

83 100

85 60.0 46.1 85.7

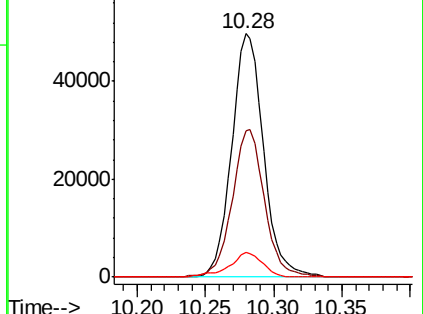
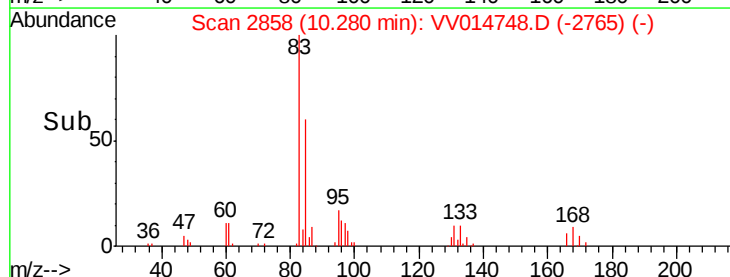
131 10.1 7.4 11.2

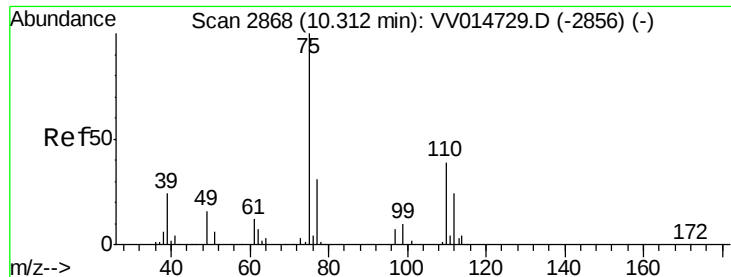


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.843 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

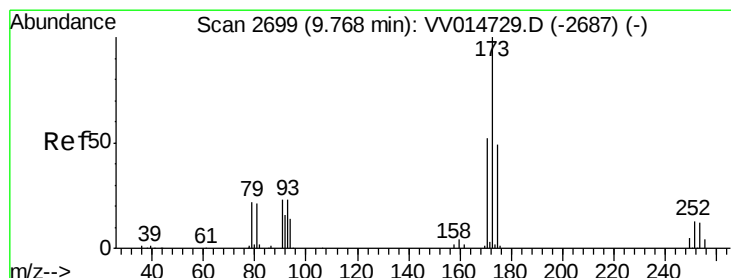
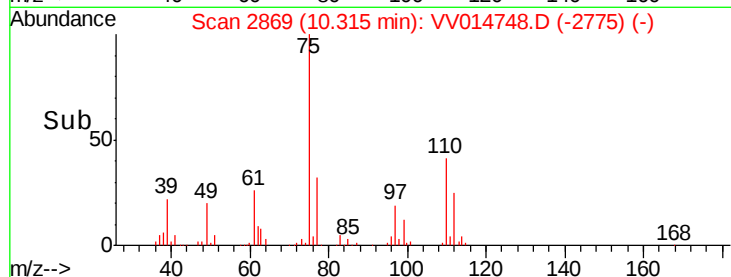
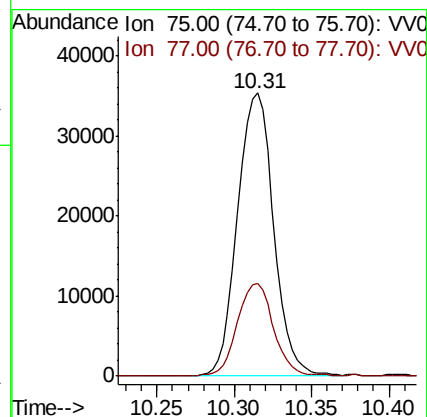
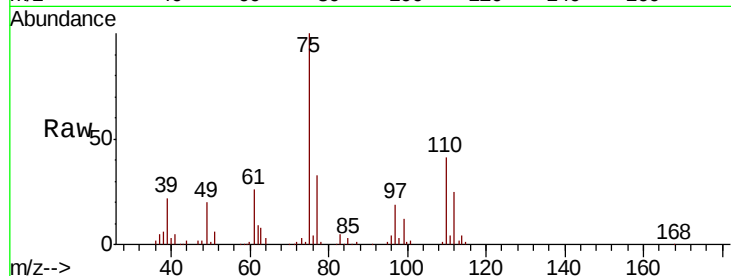
ClientSampleId :

Tot Ion: 75 Resp: 57442

Ion Ratio Lower Upper

75 100

77 33.0 26.3 39.5



#61

Bromoform

Concen: 5.477 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

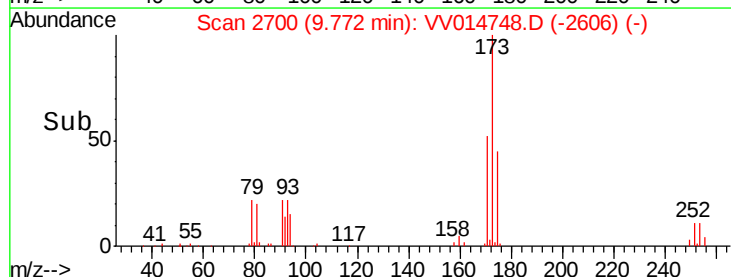
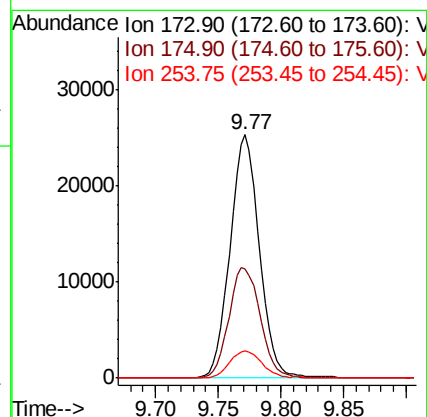
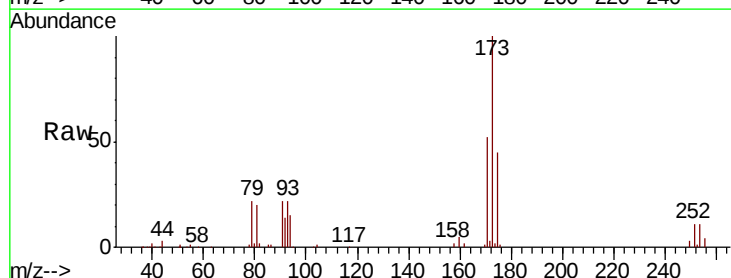
Tgt Ion: 173 Resp: 40964

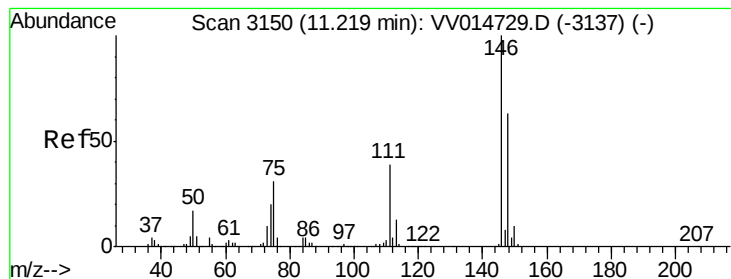
Ion Ratio Lower Upper

173 100

175 48.5 38.6 57.8

254 12.3 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 4.947 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

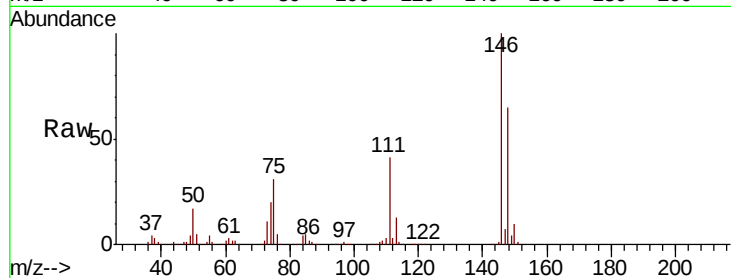
Tot Ion:146 Resp: 214971

Ion Ratio Lower Upper

146 100

111 40.8 28.2 52.4

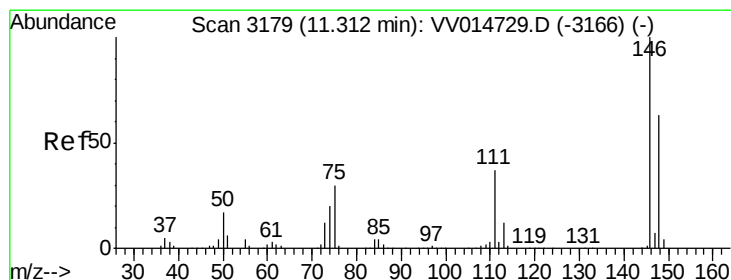
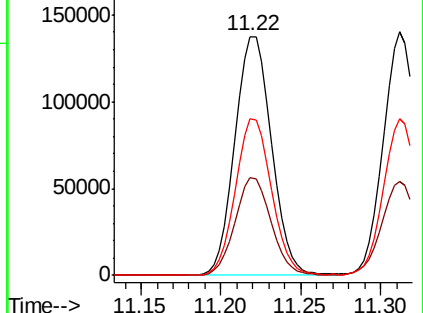
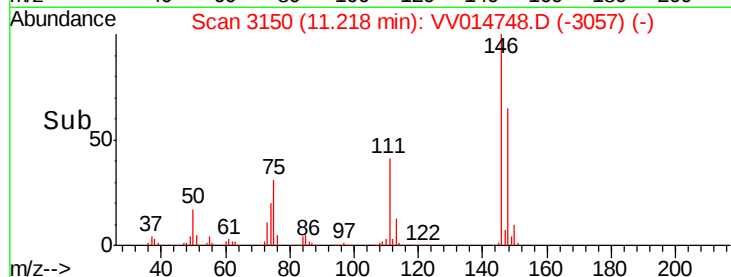
148 65.4 43.9 81.5



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: 4.733 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

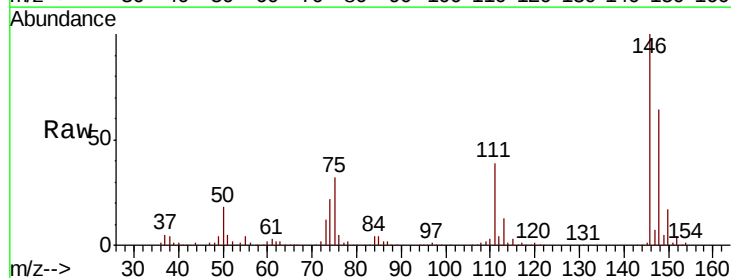
Tgt Ion:146 Resp: 210105

Ion Ratio Lower Upper

146 100

111 38.8 26.9 49.9

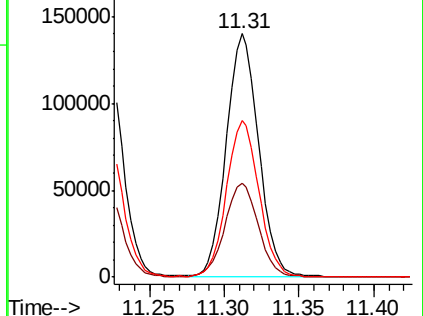
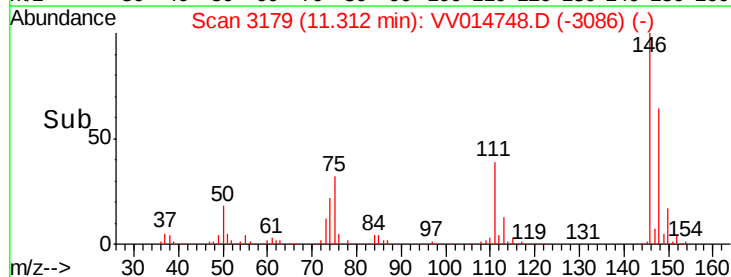
148 64.5 43.8 81.4

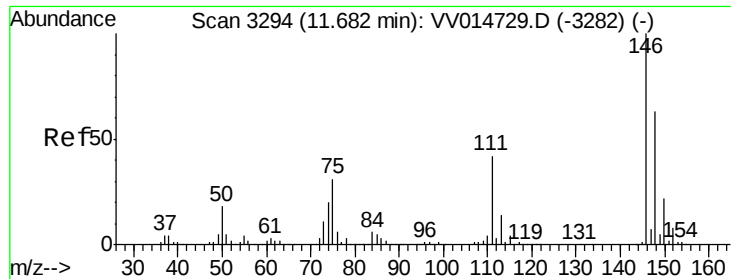


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.774 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

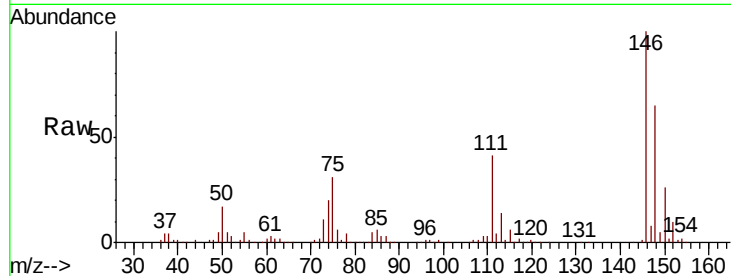
Tot Ion:146 Resp: 191662

Ion Ratio Lower Upper

146 100

111 40.6 31.8 47.8

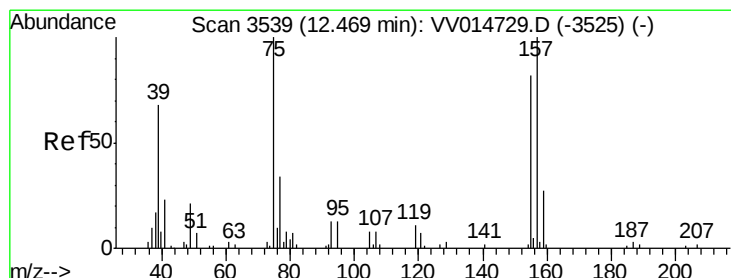
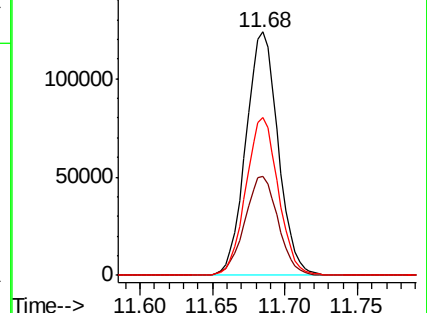
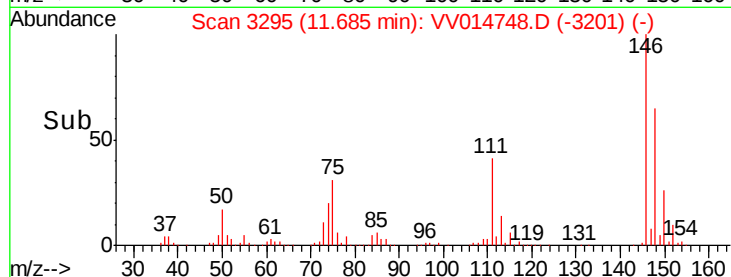
148 65.1 49.8 74.6



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: 4.605 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014748.D

Acq: 04 Mar 2020 20:57

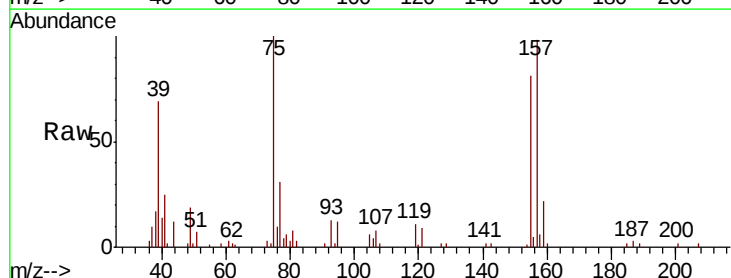
Tgt Ion: 75 Resp: 12234

Ion Ratio Lower Upper

75 100

155 81.1 68.3 102.5

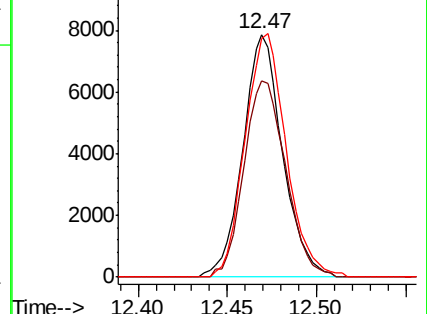
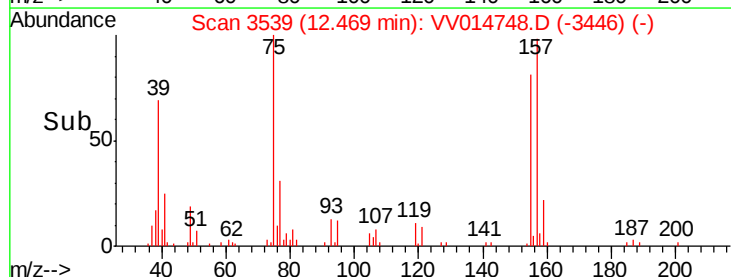
157 98.3 84.7 127.1

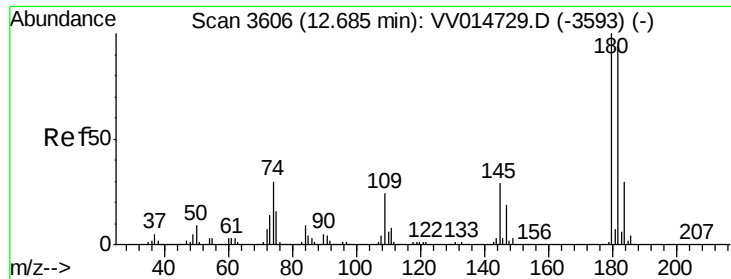


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

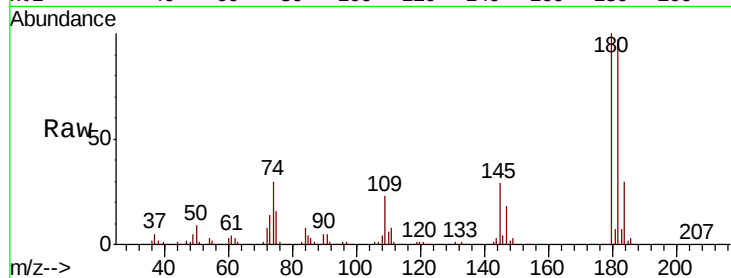




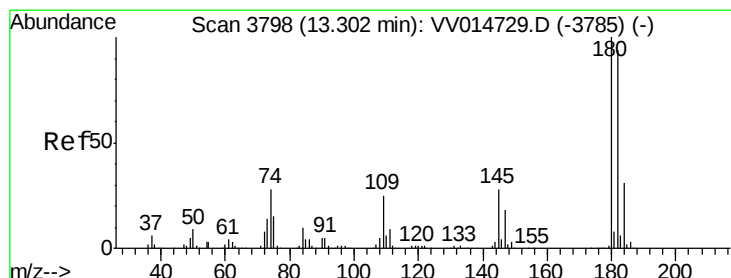
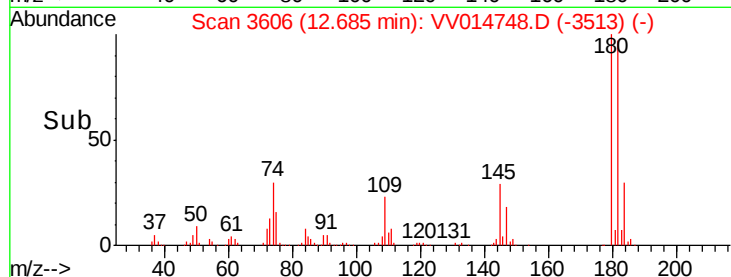
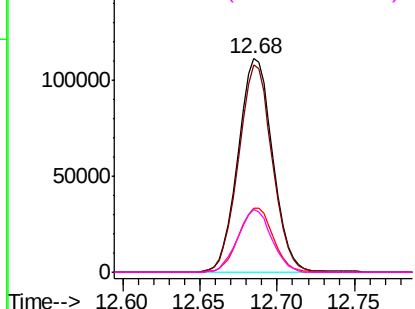
#67
 1,3,5-Trichlorobenzene
 Concen: 4.889 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014748.D
 Acq: 04 Mar 2020 20:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	172382
Ion	Ratio	Lower Upper
180	100	
182	95.1	77.2 115.8
184	30.0	24.2 36.2
145	28.7	22.9 34.3

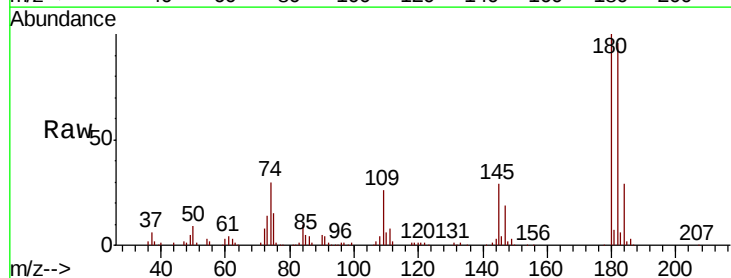


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

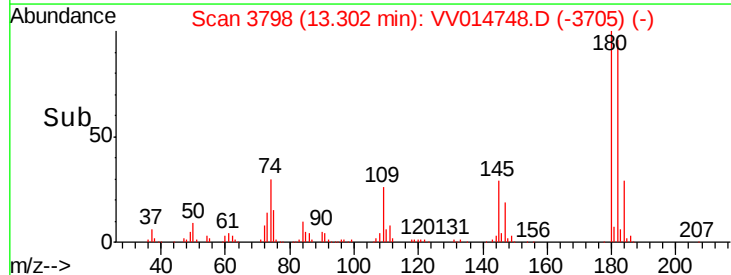
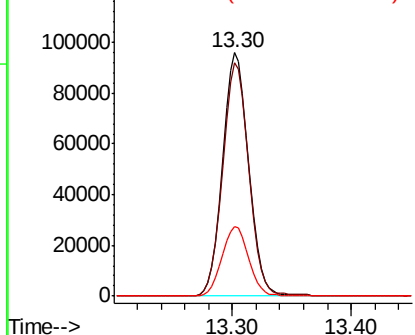


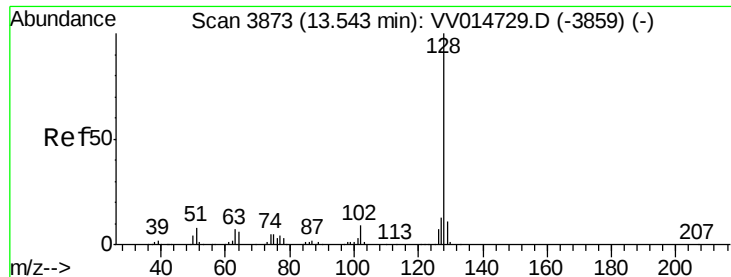
#68
 1,2,4-trichlorobenzene
 Concen: 4.808 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014748.D
 Acq: 04 Mar 2020 20:57

Tgt Ion:180	Resp:	145578
Ion	Ratio	Lower Upper
180	100	
182	96.1	77.4 116.2
145	29.5	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

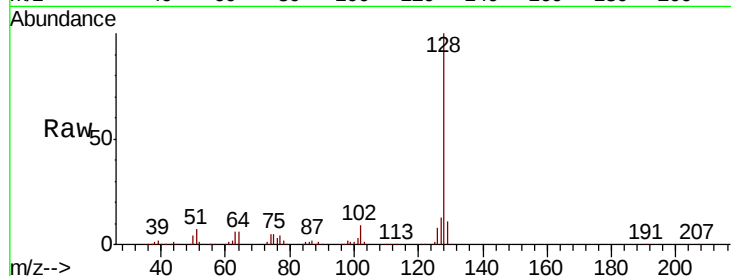




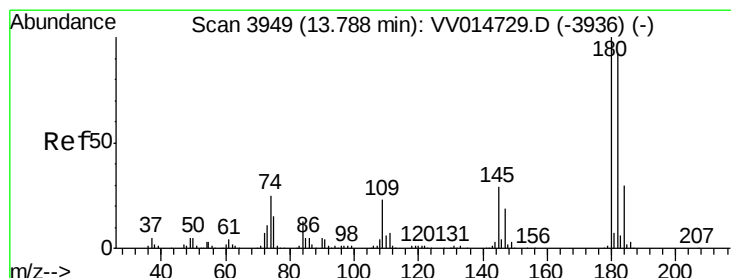
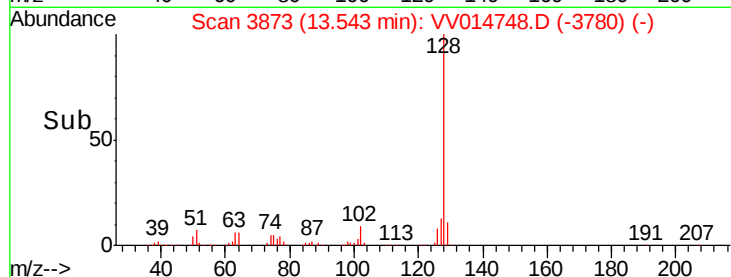
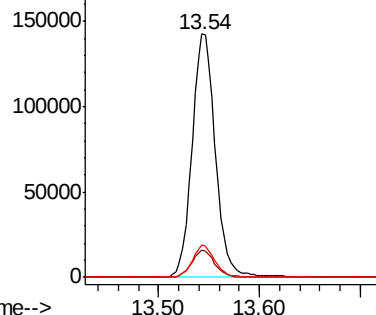
#69
Naphthalene
Concen: 4.686 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 231018
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.9 10.7 16.1

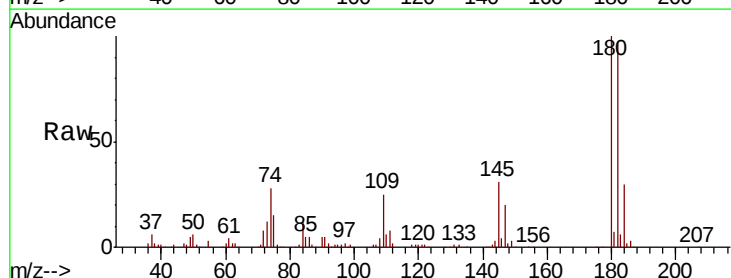


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 4.908 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV014748.D
Acq: 04 Mar 2020 20:57

Tgt Ion:180 Resp: 132646
Ion Ratio Lower Upper
180 100
182 95.5 76.7 115.1
145 30.2 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

