

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031220\
 Data File : VV014893.D
 Acq On : 13 Mar 2020 01:55
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 13 04:14:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 04:10:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	385037	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	380655	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	205199	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112356	43.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.24%
7) Chloroethane-d5	1.58	69	87859	42.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.30%
11) 1,1-Dichloroethene-d2	2.12	63	187914	43.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.80%
21) 2-Butanone-d5	3.93	46	150323	77.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.35%
24) Chloroform-d	4.38	84	252133	51.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.06	65	162101	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.74%
32) Benzene-d6	5.08	84	494140	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
36) 1,2-Dichloropropane-d6	6.10	67	150322	45.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.24%
41) Toluene-d8	7.34	98	487730	49.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.10%
43) trans-1,3-Dichloropropene-	7.64	79	74785	45.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.96%
47) 2-Hexanone-d5	8.12	63	154631	104.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	227377	49.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.24%
64) 1,2-Dichlorobenzene-d4	11.65	152	212060	52.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	180653	47.473	ug/L 99
3) Chloromethane	1.25	50	134537	40.140	ug/L 99
5) Vinyl chloride	1.32	62	130215	41.924	ug/L 97
6) Bromomethane	1.53	94	65817	34.143	ug/L 97
8) Chloroethane	1.60	64	74059	44.358	ug/L 97
9) Trichlorofluoromethane	1.76	101	208086	50.103	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98815	46.218	ug/L 97
12) 1,1-Dichloroethene	2.13	96	96867	46.311	ug/L 96
13) Acetone	2.21	43	66333	40.882	ug/L 96
14) Carbon disulfide	2.31	76	296905	42.934	ug/L 100
15) Methyl Acetate	2.46	43	112927	37.046	ug/L 91
16) Methylene chloride	2.52	84	140415	49.430	ug/L 92
17) trans-1,2-Dichloroethene	2.78	96	126958	49.133	ug/L 92
18) Methyl tert-butyl Ether	2.79	73	421950	49.878	ug/L 97
19) 1,1-Dichloroethane	3.21	63	236048	46.770	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	146029	50.529	ug/L 93
22) 2-Butanone	4.02	43	158250	73.935	ug/L 80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

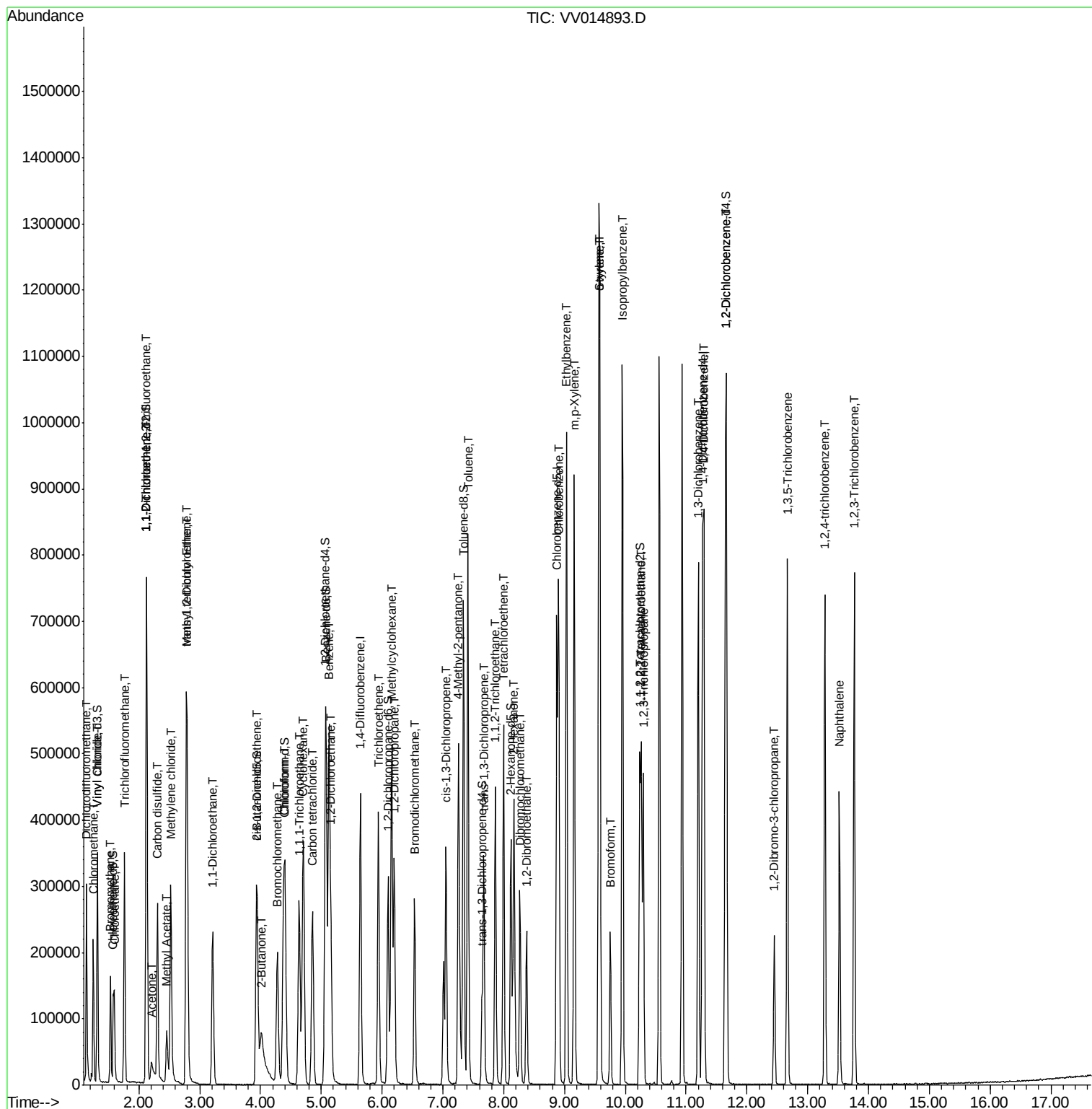
23) Bromochloromethane	4.28	128	75914	51.597	ug/L	89
25) Chloroform	4.41	83	257213	49.194	ug/L	100
27) 1,2-Dichloroethane	5.16	62	196382	48.462	ug/L	97
29) Cyclohexane	4.70	56	206080	44.433	ug/L	89
30) 1,1,1-Trichloroethane	4.64	97	230585	52.248	ug/L	97
31) Carbon tetrachloride	4.86	117	202121	53.927	ug/L	99
33) Benzene	5.13	78	538433	48.825	ug/L	100
34) Trichloroethene	5.94	95	141301	49.030	ug/L	91
35) Methylcyclohexane	6.16	83	222433	46.757	ug/L	94
37) 1,2-Dichloropropane	6.20	63	135018	45.308	ug/L #	97
38) Bromodichloromethane	6.53	83	187484	49.458	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	215906	46.223	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	383640	88.837	ug/L #	93
42) Toluene	7.41	91	607041	49.896	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	191181	44.898	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	140635	51.242	ug/L	96
46) Tetrachloroethene	8.00	164	126607	53.694	ug/L	94
48) 2-Hexanone	8.17	43	305705	90.007	ug/L #	94
49) Dibromochloromethane	8.27	129	150481	50.305	ug/L	99
50) 1,2-Dibromoethane	8.38	107	153914	51.881	ug/L #	98
51) Chlorobenzene	8.90	112	397691	50.805	ug/L	98
52) Ethylbenzene	9.03	91	682141	49.768	ug/L	98
53) m,p-Xylene	9.16	106	267898	52.083	ug/L	94
54) o-xylene	9.57	106	260714	51.599	ug/L	100
55) Styrene	9.58	104	453049	52.436	ug/L	98
56) Isopropylbenzene	9.95	105	693898	51.276	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	232671	49.219	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	186521	49.010	ug/L	100
61) Bromoform	9.75	173	102748	46.155	ug/L #	96
62) 1,3-Dichlorobenzene	11.20	146	333990	50.333	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	338003	50.559	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	340685	51.570	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	52930	47.208	ug/L	88
67) 1,3,5-Trichlorobenzene	12.67	180	256515	49.984	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	231328	49.042	ug/L	99
69) Naphthalene	13.52	128	351805	49.543	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	243461	51.782	ug/L	99

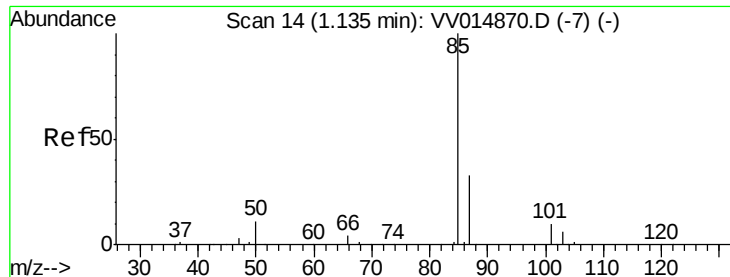
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 13 04:10:22 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 47.473 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :

MSVOA_V

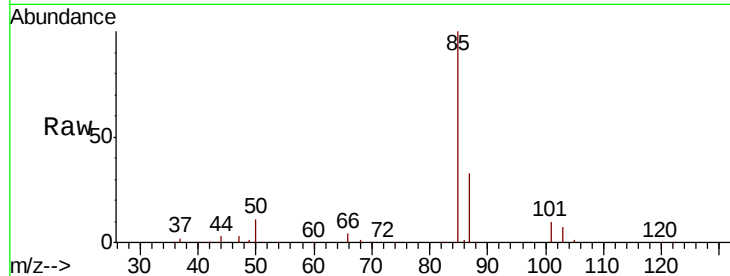
ClientSampleId :

Tot Ion: 85 Resp: 180653

Ion Ratio Lower Upper

85 100

87 33.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

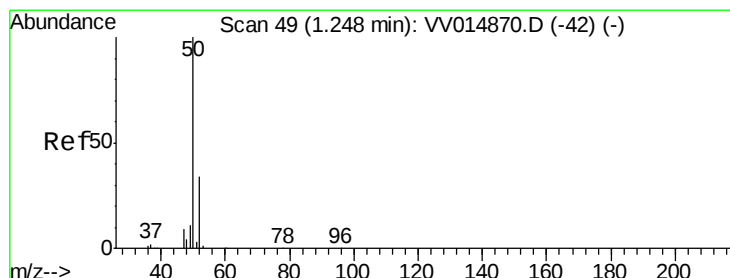
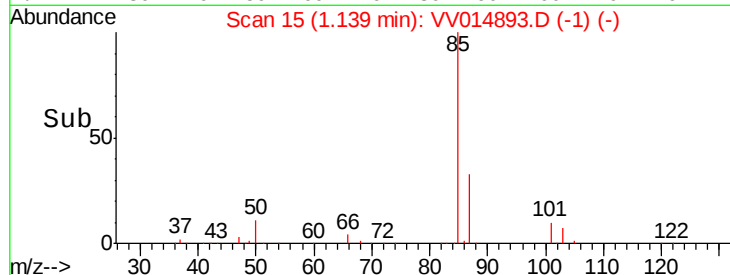
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 40.140 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014893.D

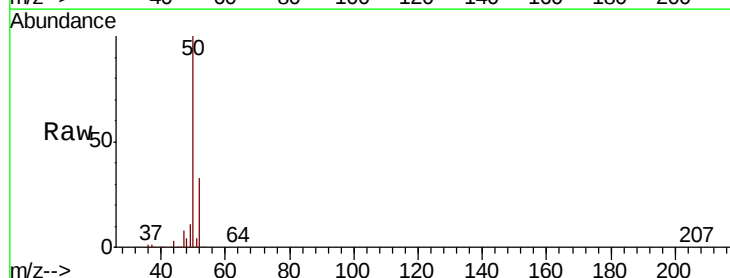
Acq: 13 Mar 2020 01:55

Tgt Ion: 50 Resp: 134537

Ion Ratio Lower Upper

50 100

52 33.4 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

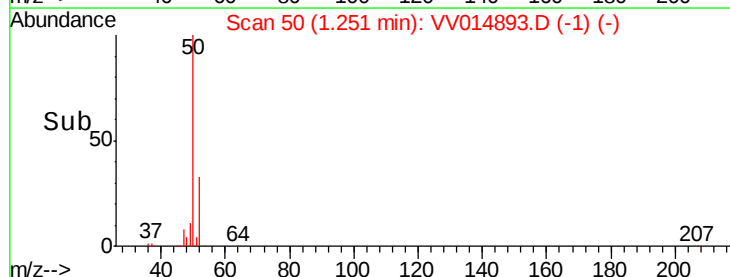
150000

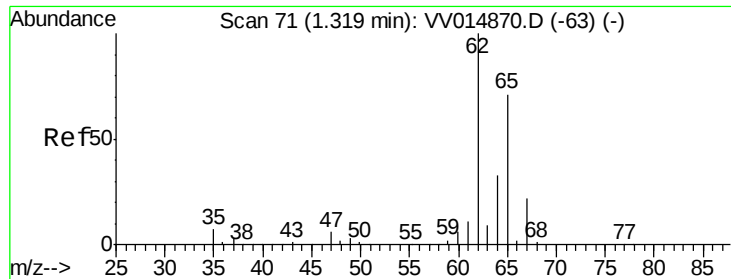
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 41.924 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :

MSVOA_V

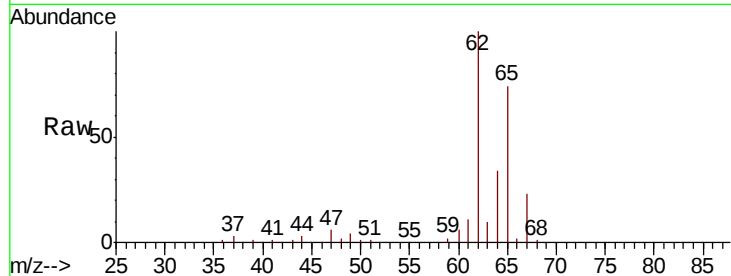
ClientSampleId :

Tot Ion: 62 Resp: 130215

Ion Ratio Lower Upper

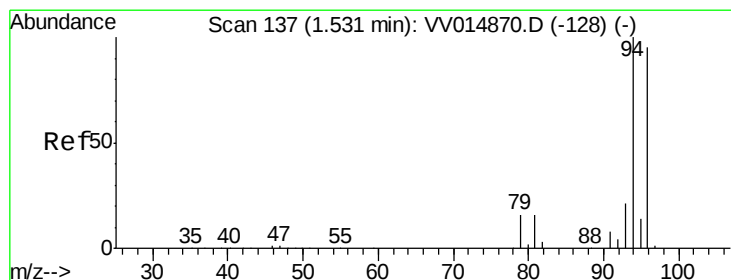
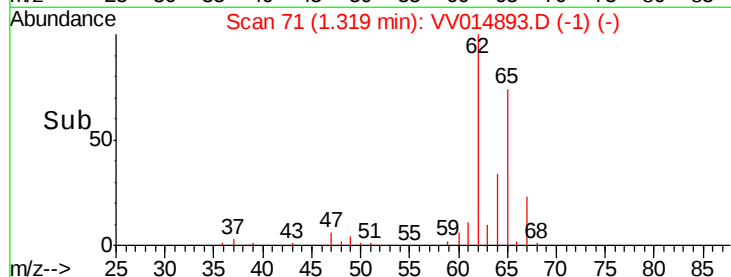
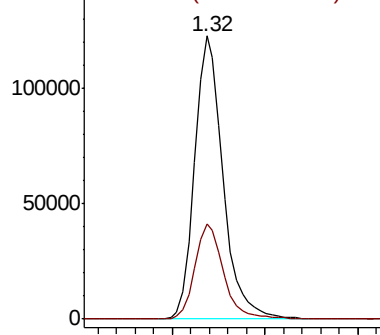
62 100

64 33.6 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 34.143 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV014893.D

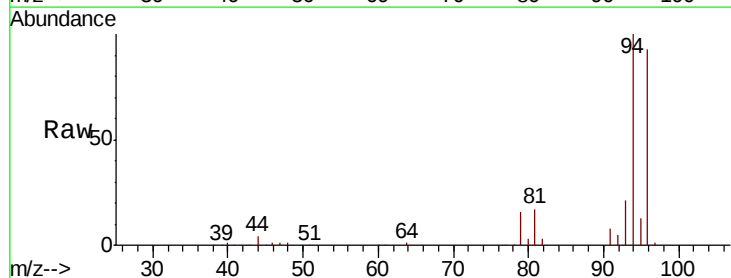
Acq: 13 Mar 2020 01:55

Tgt Ion: 94 Resp: 65817

Ion Ratio Lower Upper

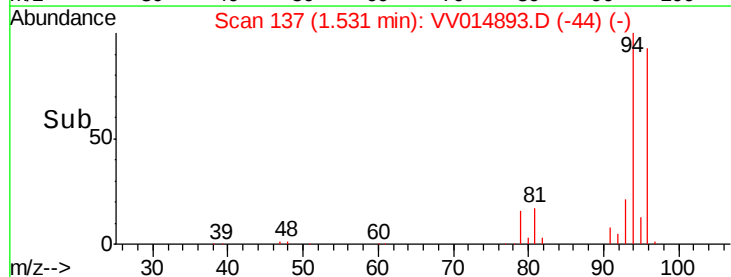
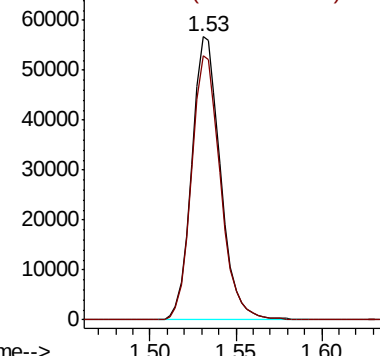
94 100

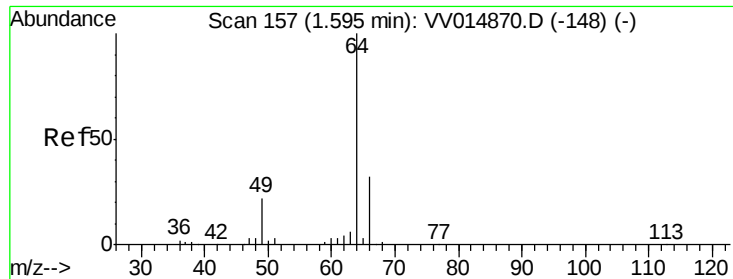
96 93.4 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

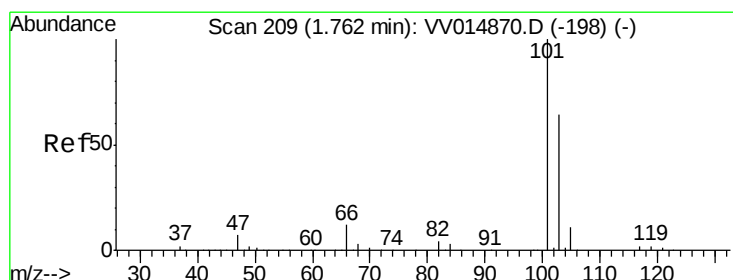
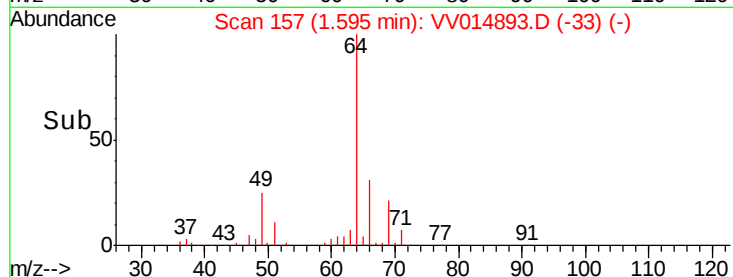
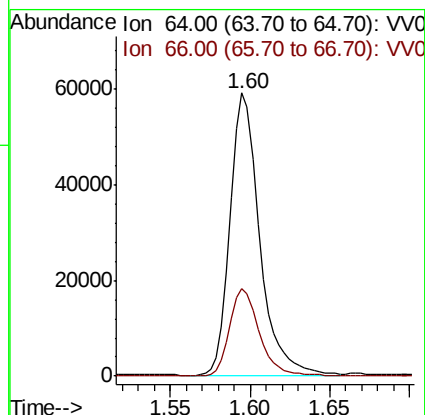
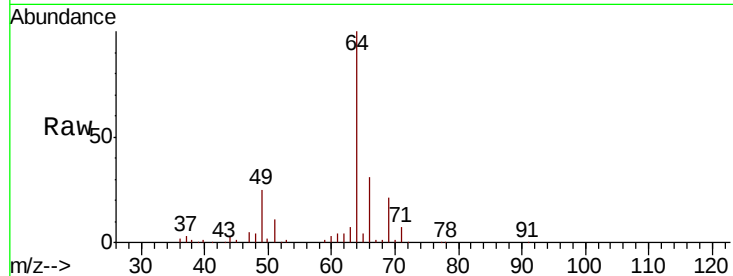




#8
Chloroethane
Concen: 44.358 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

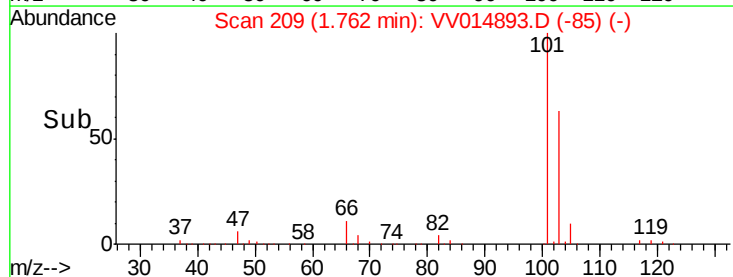
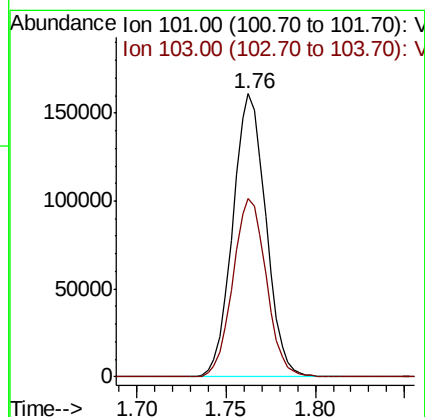
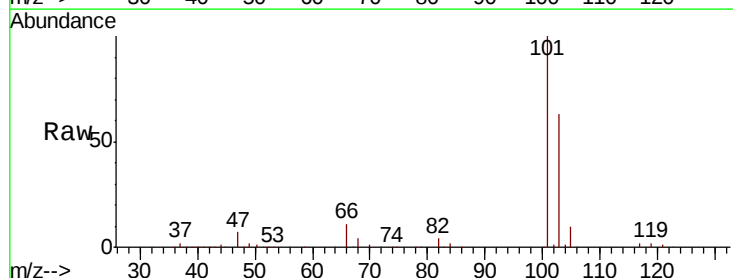
Instrument :
MSVOA_V
ClientSampleId :

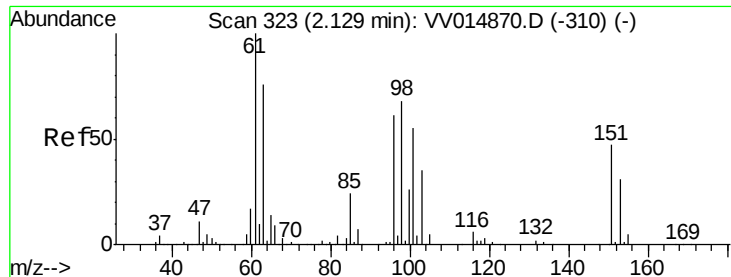
Tot Ion: 64 Resp: 74059
Ion Ratio Lower Upper
64 100
66 30.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 50.103 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

Tgt Ion:101 Resp: 208086
Ion Ratio Lower Upper
101 100
103 63.6 51.8 77.8





#10

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

Concen: 46.218 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

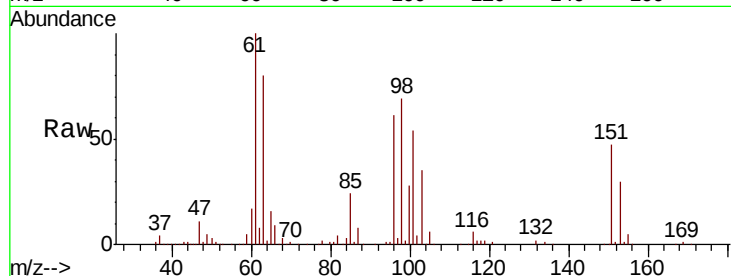
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:101 Resp: 98815

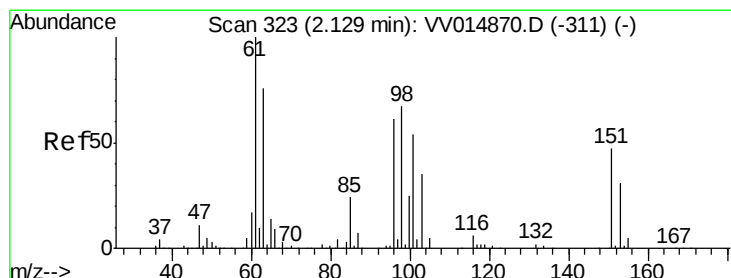
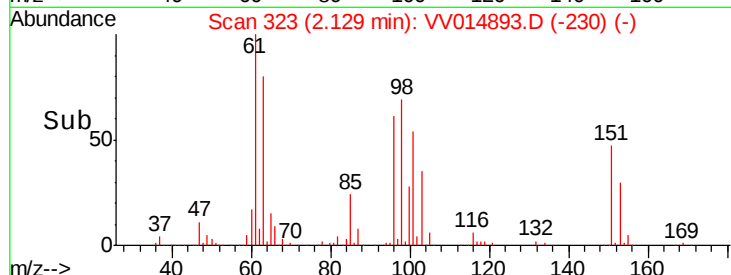
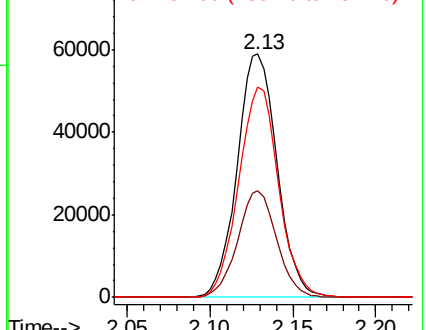
Ion	Ratio	Lower	Upper
101	100		
85	42.8	35.0	52.6
151	86.4	66.4	99.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.311 ug/L

RT: 2.13 min Scan# 323

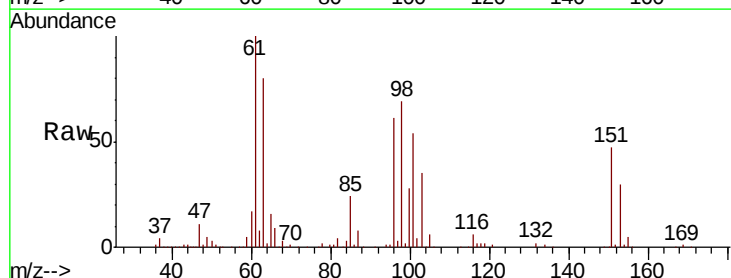
Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Tgt Ion: 96 Resp: 96867

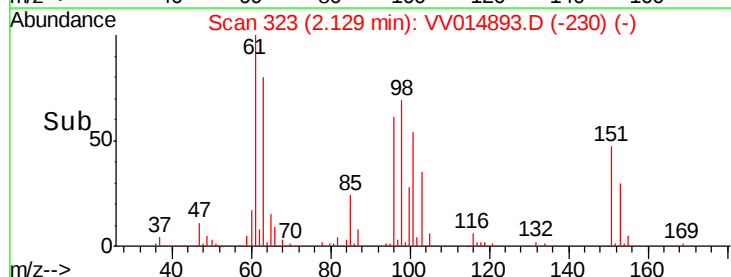
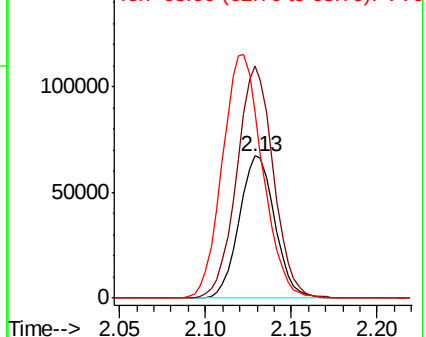
Ion	Ratio	Lower	Upper
96	100		
61	163.0	118.4	220.0
63	130.7	88.4	164.2

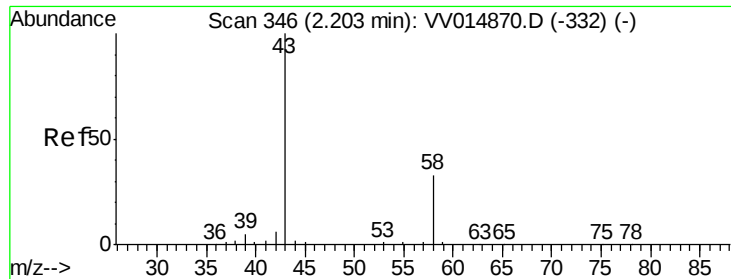


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 40.882 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :

MSVOA_V

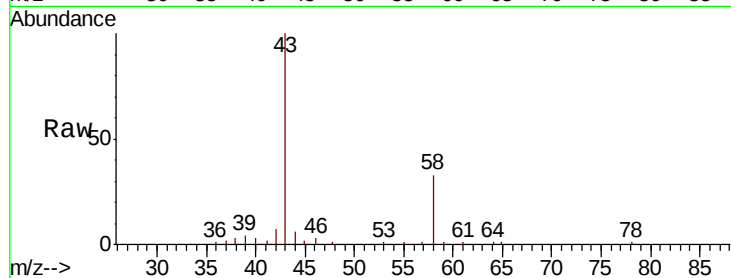
ClientSampled :

Tot Ion: 43 Resp: 66333

Ion Ratio Lower Upper

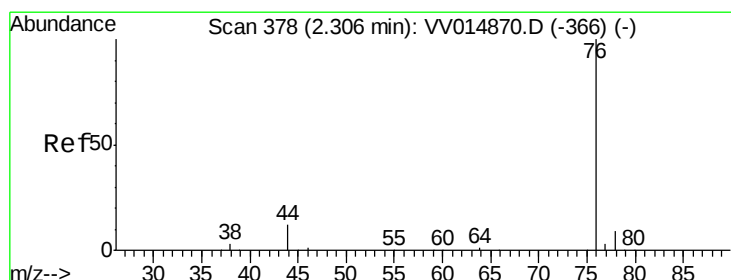
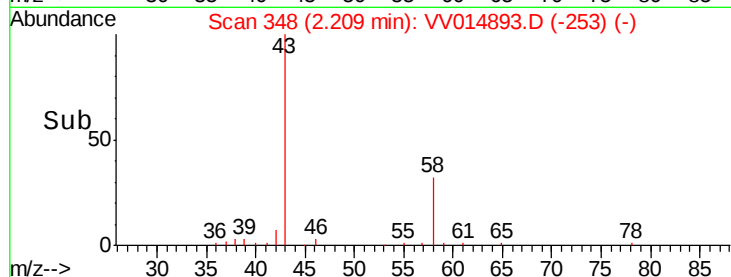
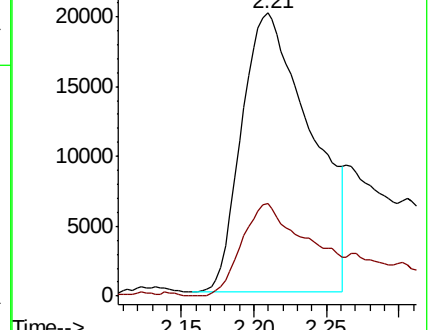
43 100

58 28.8 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VV014870.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV014870.D (-332) (-)



#14

Carbon disulfide

Concen: 42.934 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV014893.D

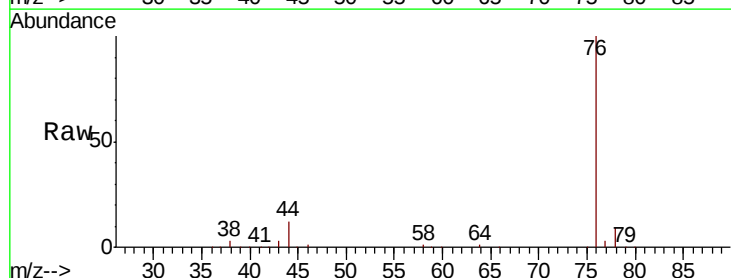
Acq: 13 Mar 2020 01:55

Tgt Ion: 76 Resp: 296905

Ion Ratio Lower Upper

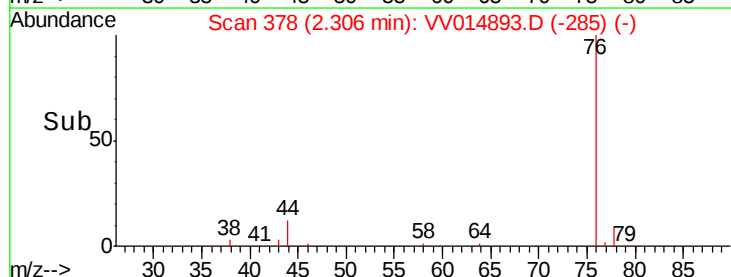
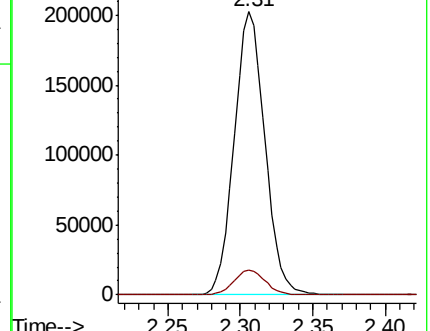
76 100

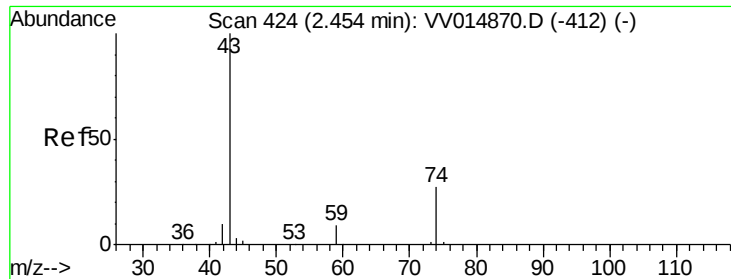
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV014870.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV014870.D (-366) (-)

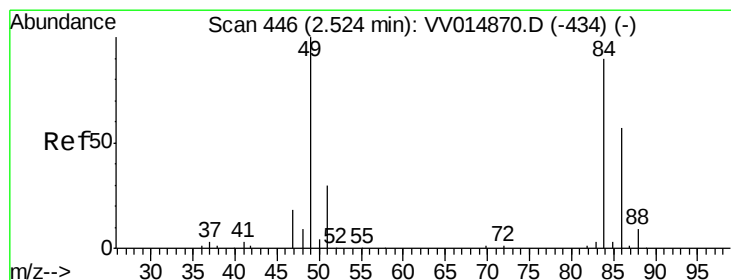
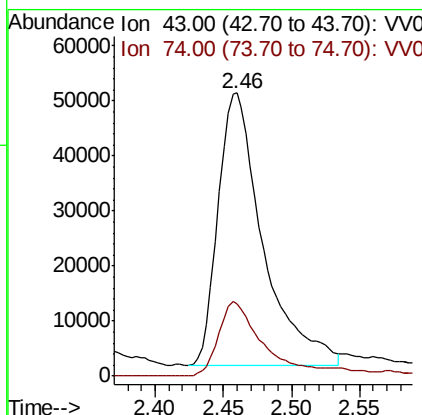
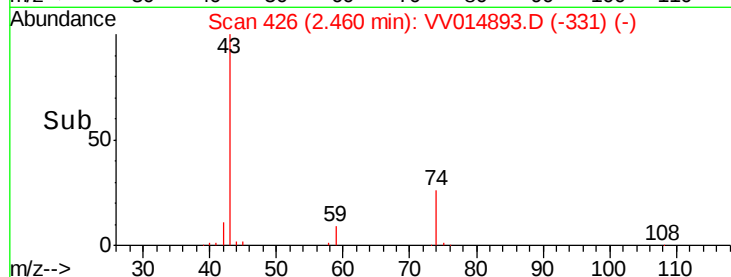
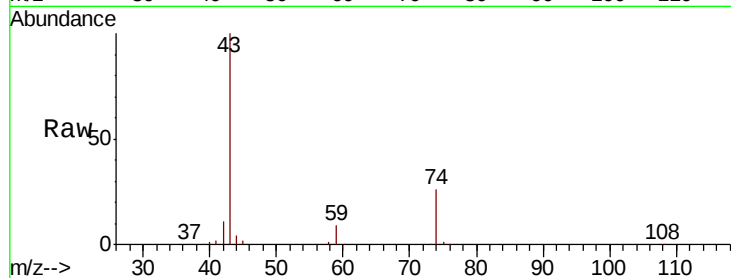




#15
Methvl Acetate
Concen: 37.046 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

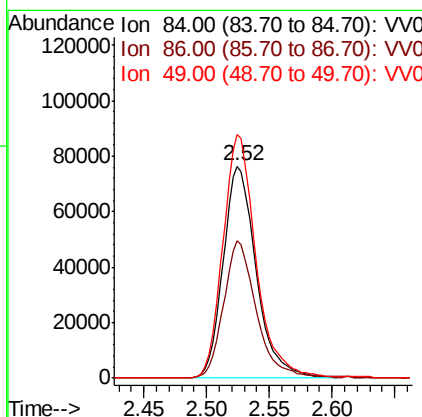
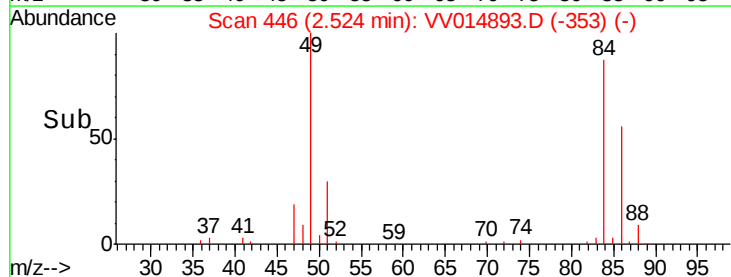
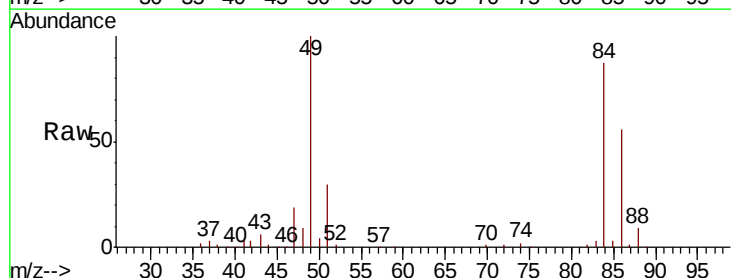
Instrument :
MSVOA_V
ClientSampled :

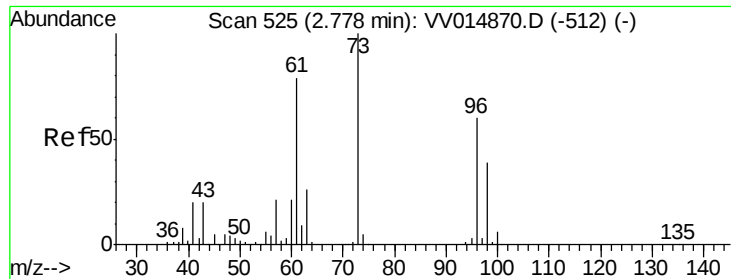
Tot Ion: 43 Resp: 112927
Ion Ratio Lower Upper
43 100
74 26.7 17.9 26.9



#16
Methylene chloride
Concen: 49.430 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

Tgt Ion: 84 Resp: 140415
Ion Ratio Lower Upper
84 100
86 64.7 47.3 87.9
49 114.8 88.7 164.7

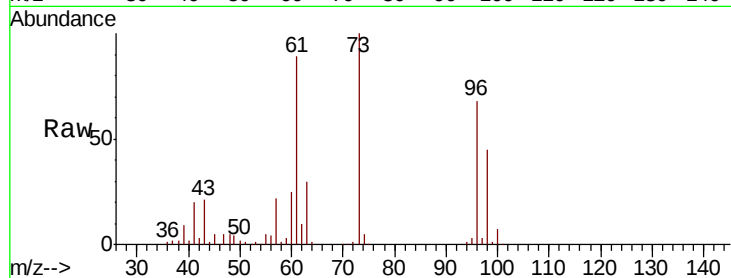




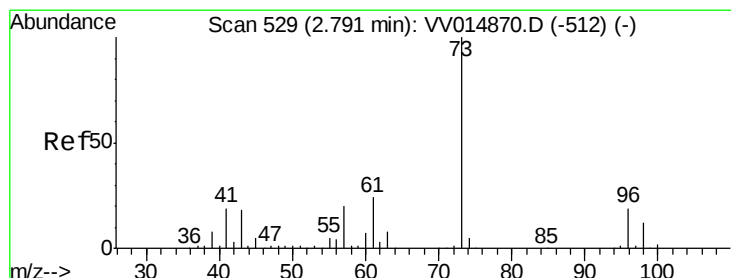
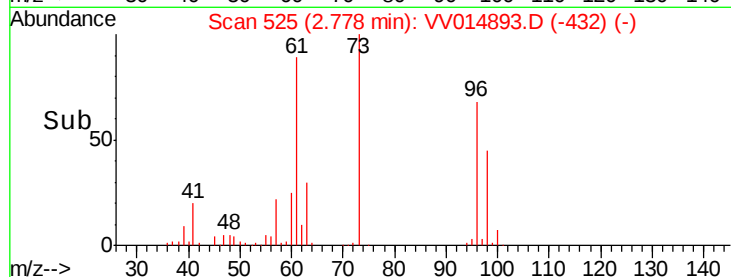
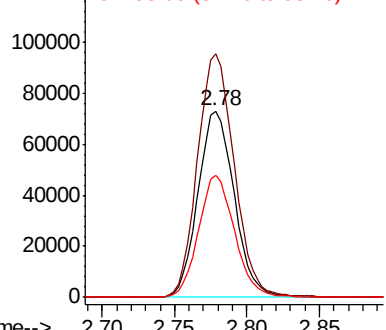
#17
trans-1,2-Dichloroethene
Concen: 49.133 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 126958
Ion Ratio Lower Upper
96 100
61 130.9 100.5 186.7
98 65.5 45.1 83.7

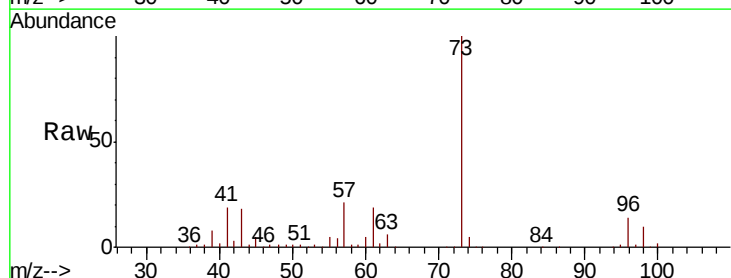


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

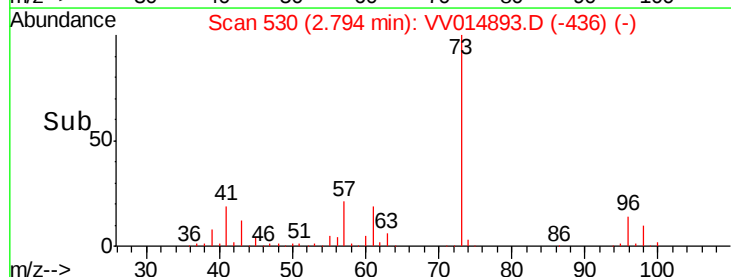
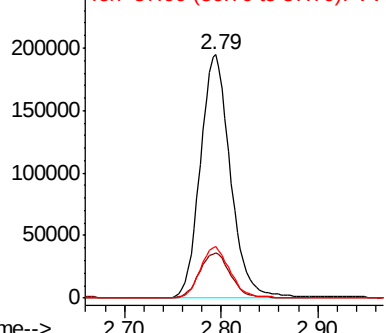


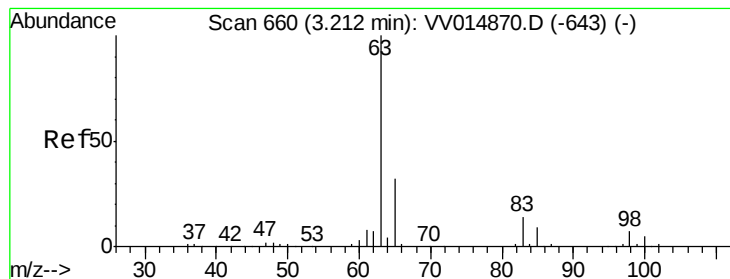
#18
Methyl tert-butyl Ether
Concen: 49.878 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

Tgt Ion: 73 Resp: 421950
Ion Ratio Lower Upper
73 100
43 18.7 15.9 23.9
57 21.0 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 46.770 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :

MSVOA_V

ClientSampled :

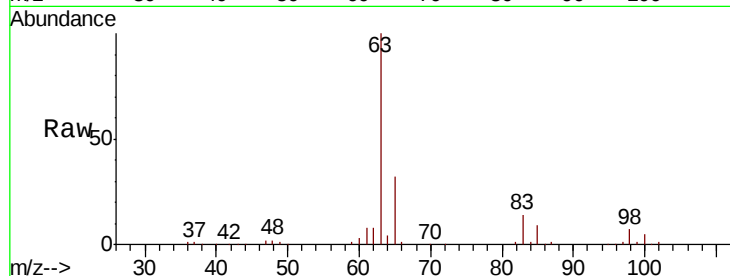
Tot Ion: 63 Resp: 236048

Ion Ratio Lower Upper

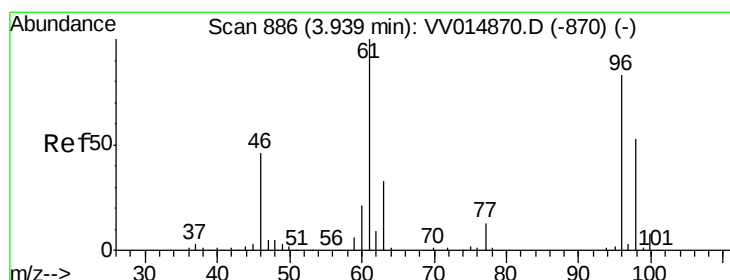
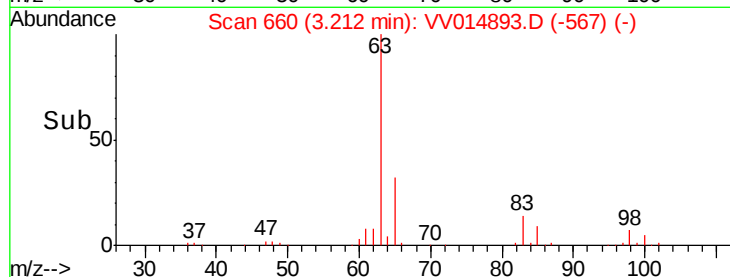
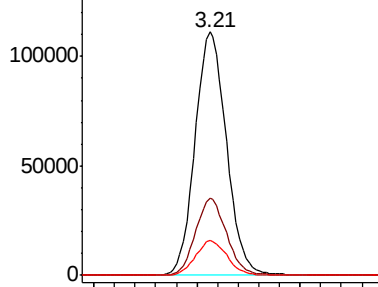
63 100

65 31.7 22.5 41.7

83 14.4 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VV0
150000 Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 50.529 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

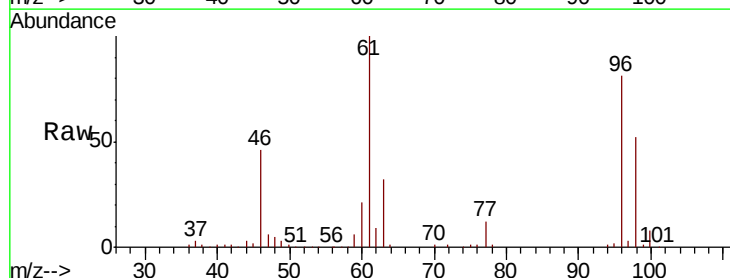
Tgt Ion: 96 Resp: 146029

Ion Ratio Lower Upper

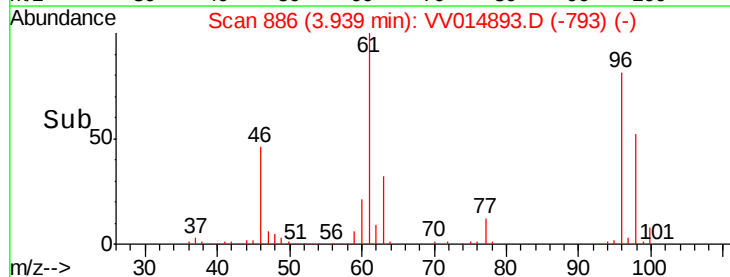
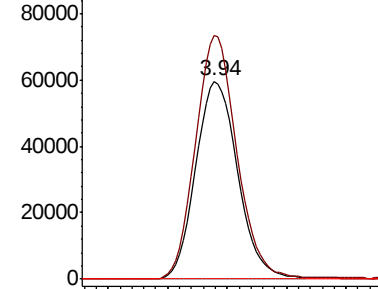
96 100

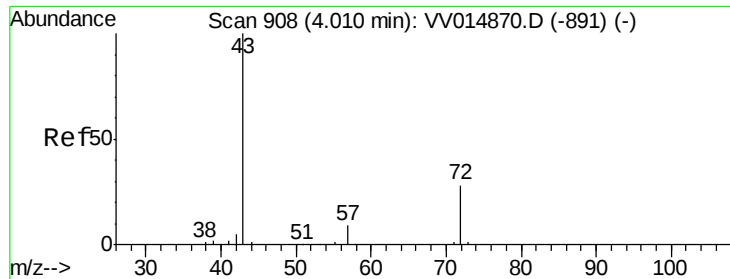
61 123.0 92.2 171.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
100000 Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 73.935 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

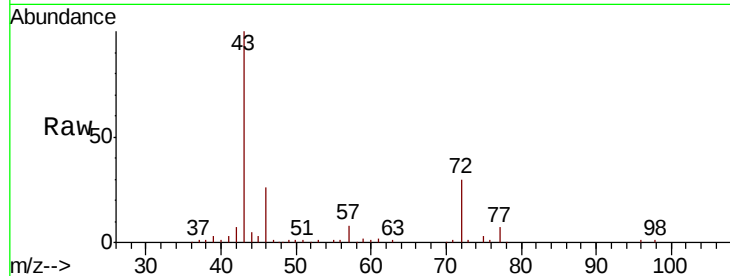
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 158250

Ion Ratio Lower Upper

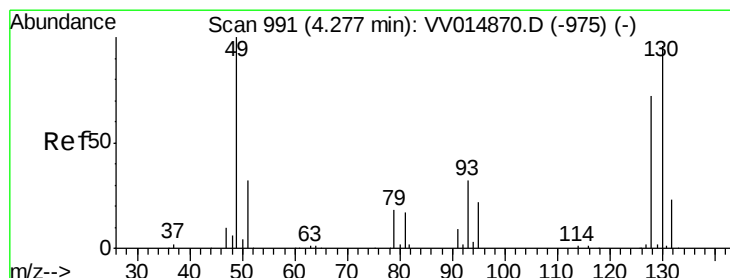
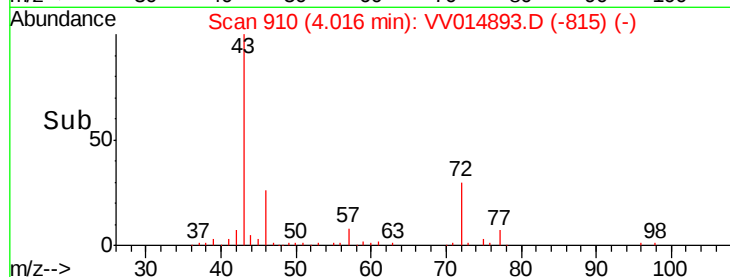
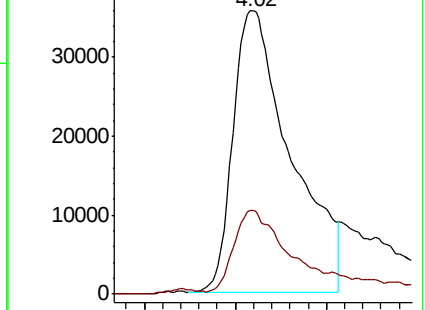
43 100

72 14.4 12.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VV014893.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV014893.D (-891) (-)



#23

Bromochloromethane

Concen: 51.597 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Tgt Ion:128 Resp: 75914

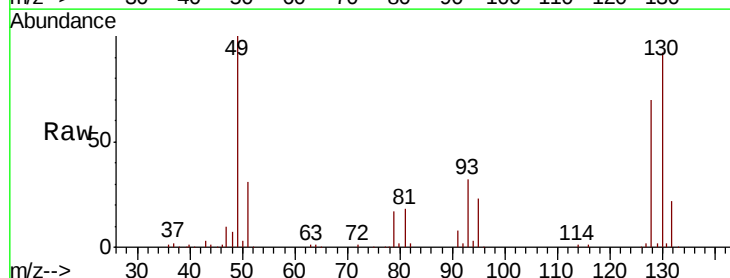
Ion Ratio Lower Upper

128 100

49 143.3 116.3 215.9

130 131.5 88.9 165.1

51 45.0 43.0 64.6

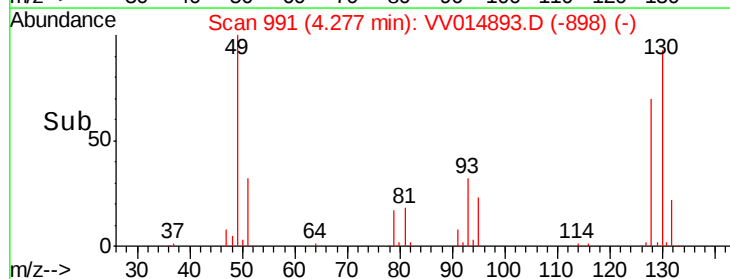
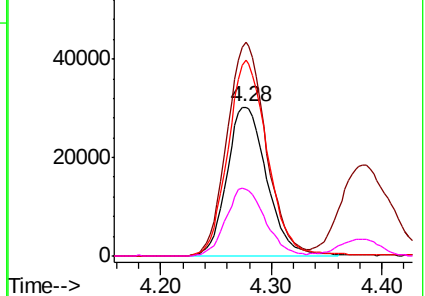


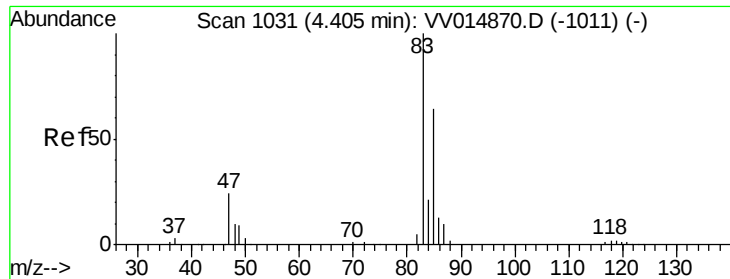
Abundance Ion 128.00 (127.70 to 128.70): VV014893.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV014893.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV014893.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV014893.D (-898) (-)

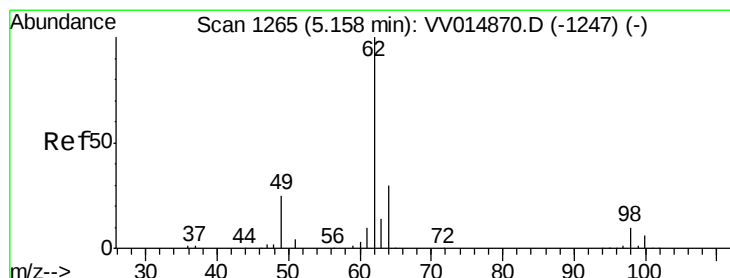
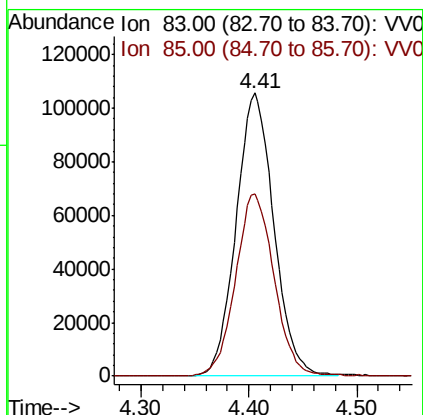
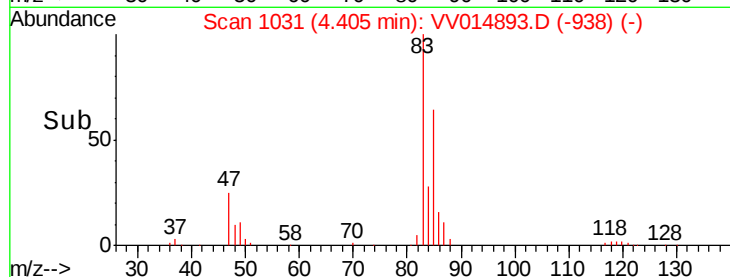
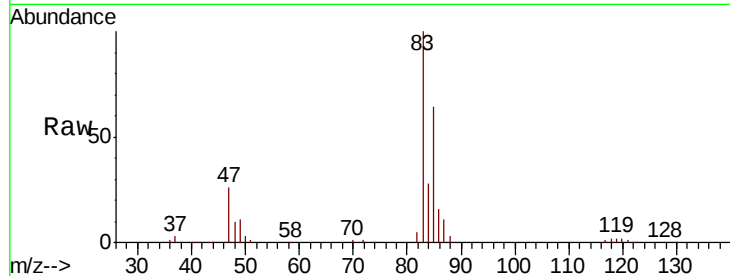




#25
Chloroform
Concen: 49.194 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

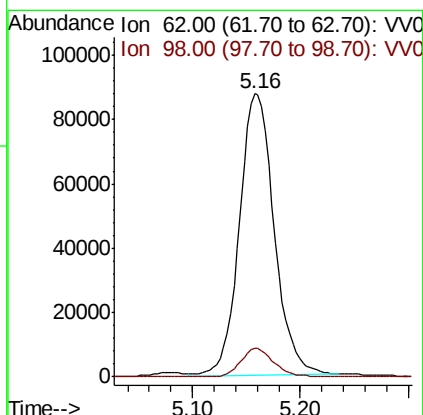
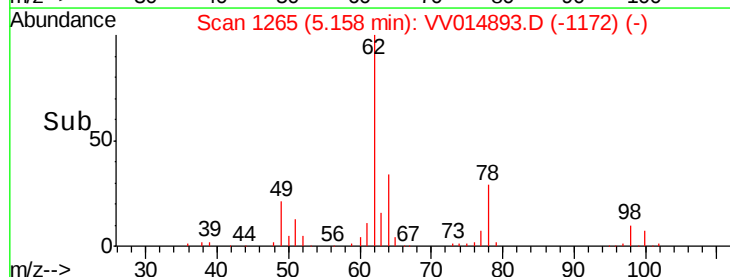
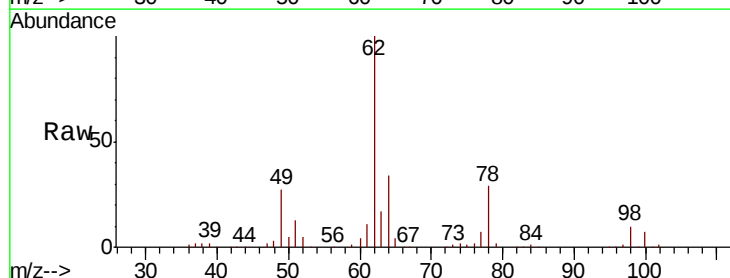
Instrument :
MSVOA_V
ClientSampleId :

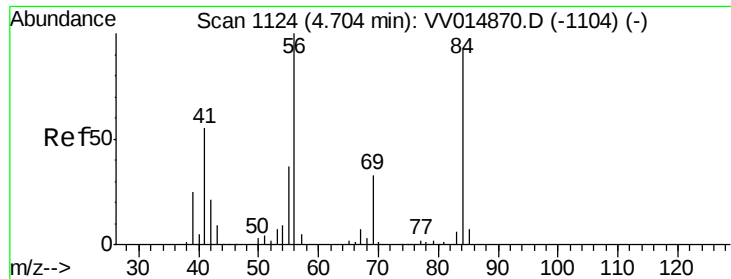
Tot Ion: 83 Resp: 257213
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 48.462 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

Tgt Ion: 62 Resp: 196382
Ion Ratio Lower Upper
62 100
98 10.2 7.2 10.8

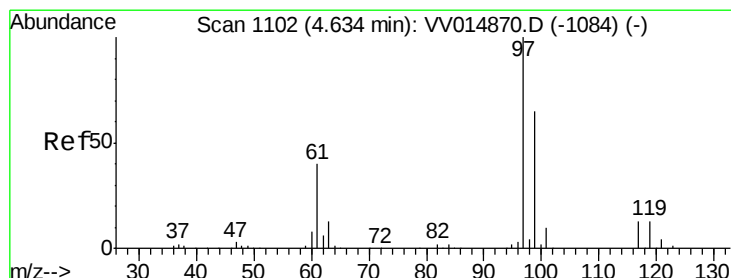
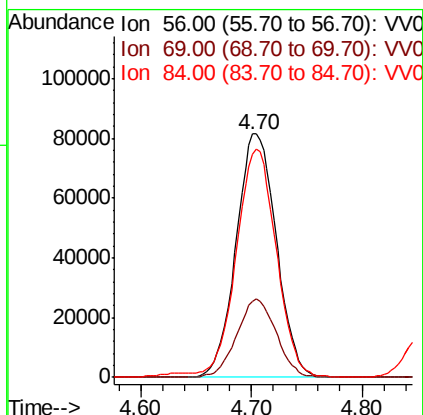
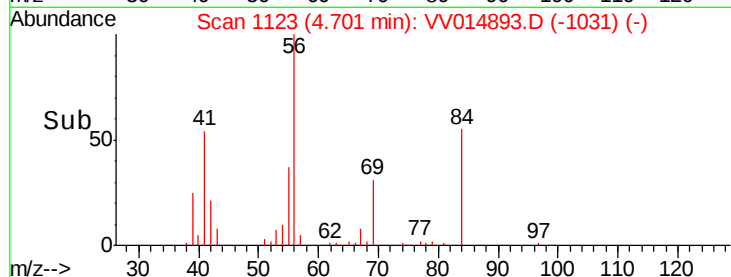
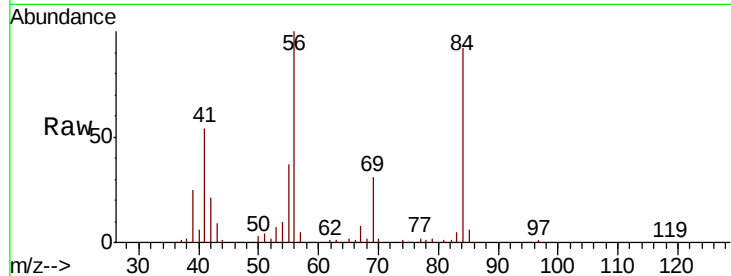




#29
Cyclohexane
Concen: 44.433 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

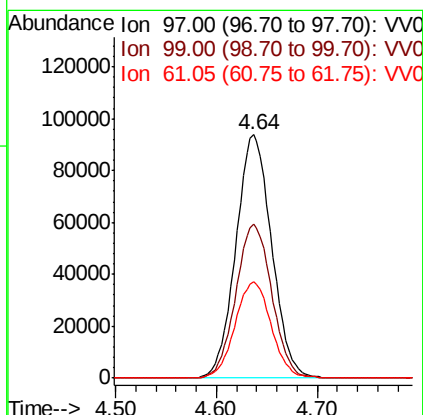
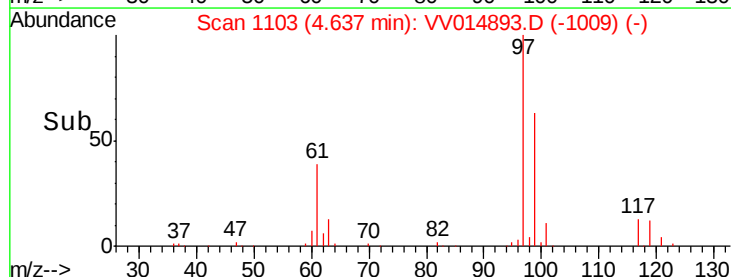
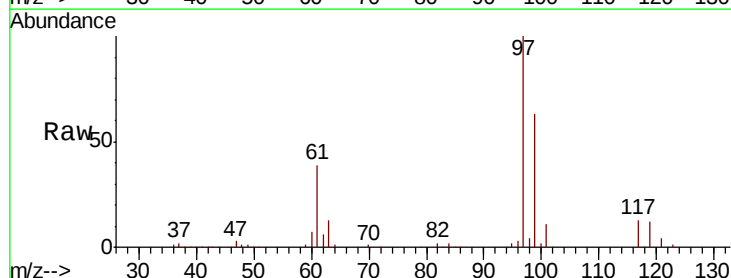
Instrument :
MSVOA_V
ClientSampled :

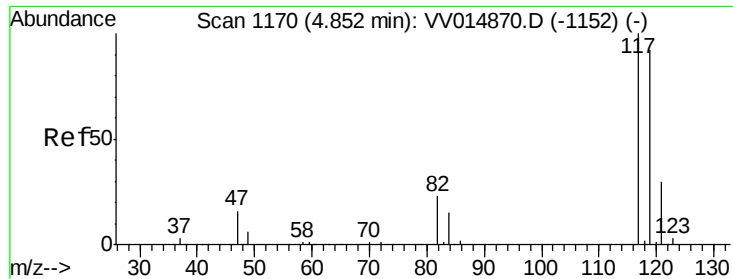
Tot Ion: 56 Resp: 206080
Ion Ratio Lower Upper
56 100
69 31.4 23.5 35.3
84 93.2 65.3 97.9



#30
1,1,1-Trichloroethane
Concen: 52.248 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

Tgt Ion: 97 Resp: 230585
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 40.0 34.6 52.0





#31

Carbon tetrachloride

Concen: 53.927 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :

MSVOA_V

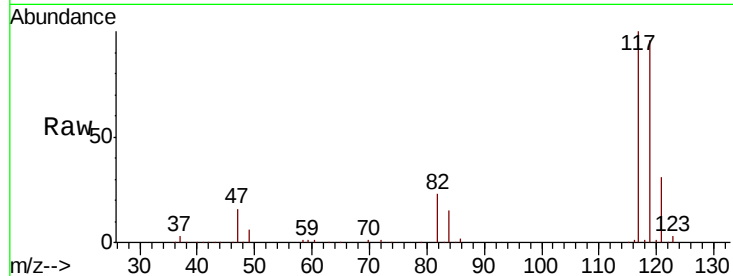
ClientSampleId :

Tot Ion:117 Resp: 202121

Ion Ratio Lower Upper

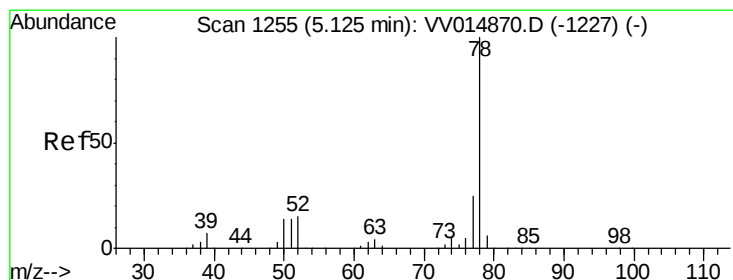
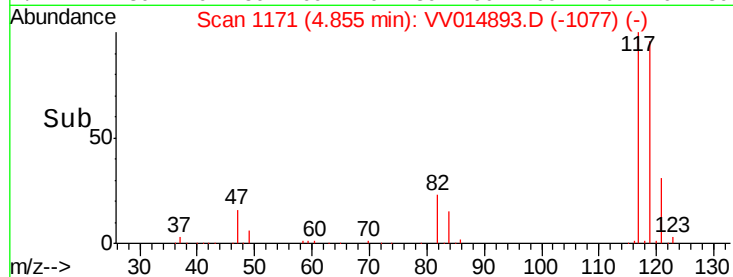
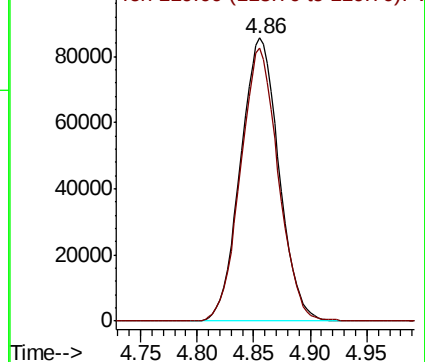
117 100

119 94.6 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.825 ug/L

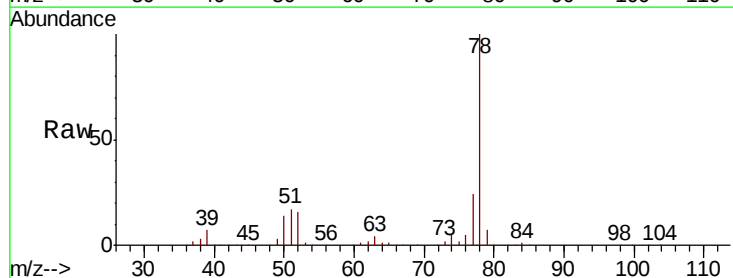
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

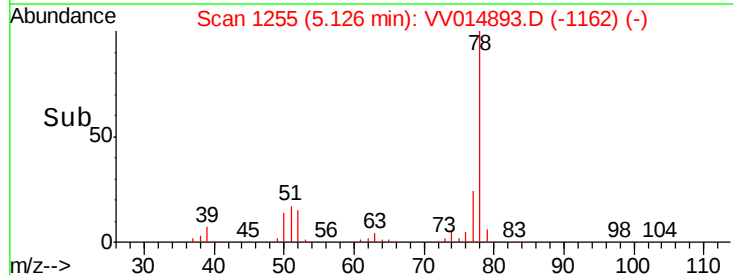
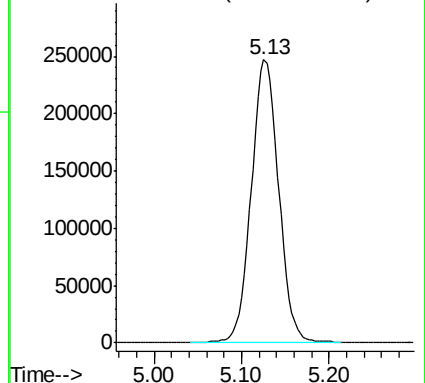
Lab File: VV014893.D

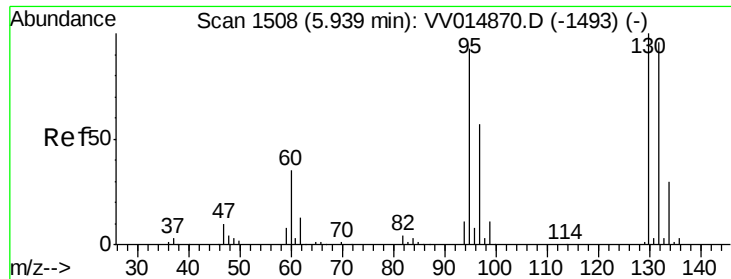
Acq: 13 Mar 2020 01:55

Tgt Ion: 78 Resp: 538433



Abundance Ion 78.00 (77.70 to 78.70): VV0

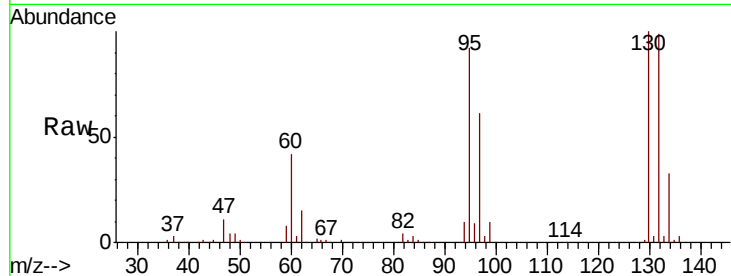




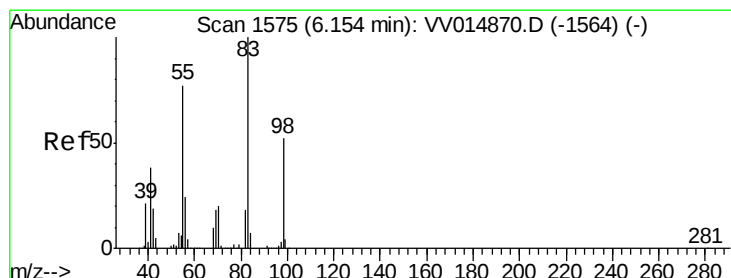
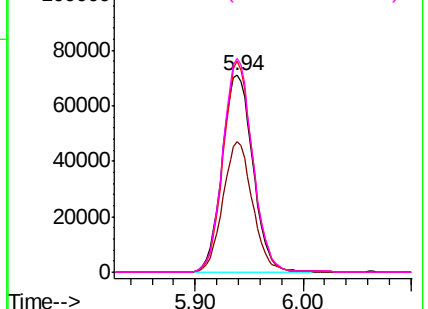
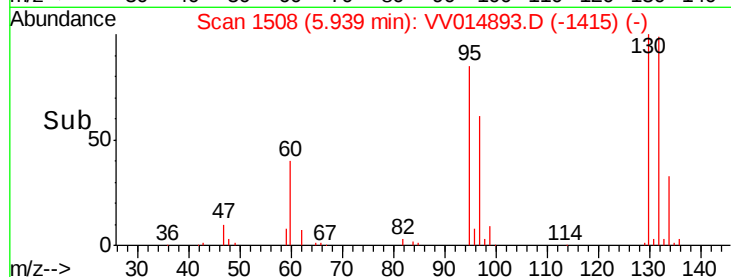
#34
 Trichloroethene
 Concen: 49.030 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV014893.D
 Acq: 13 Mar 2020 01:55

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 141301
 Ion Ratio Lower Upper
 95 100
 97 66.2 43.8 81.4
 132 107.5 65.8 122.2
 130 108.6 70.6 131.2

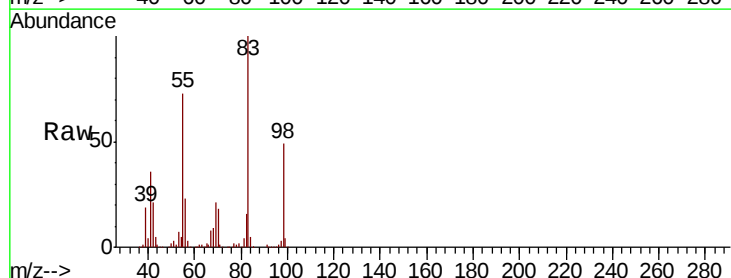


Abundance Ion 95.00 (94.70 to 95.70): VV0
 120000 Ion 97.00 (96.70 to 97.70): VV0
 100000 Ion 132.00 (131.70 to 132.70): VV0
 80000 Ion 130.00 (129.70 to 130.70): VV0

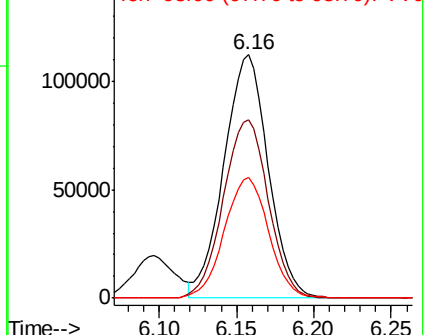
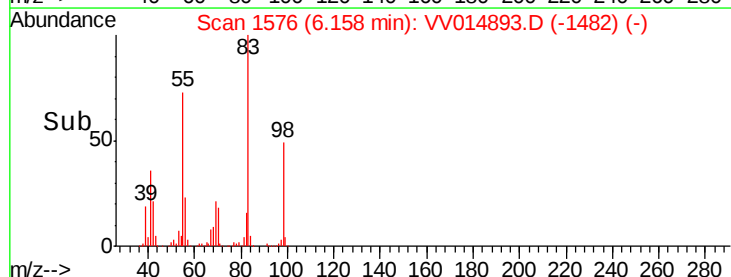


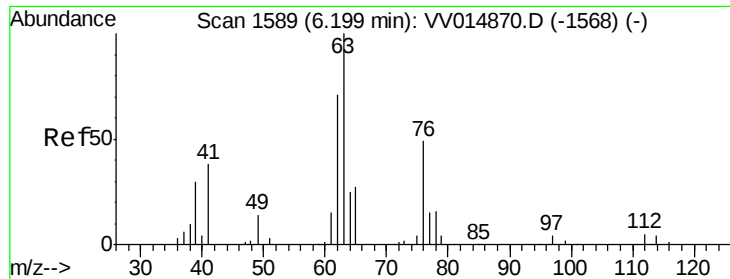
#35
 Methylcyclohexane
 Concen: 46.757 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV014893.D
 Acq: 13 Mar 2020 01:55

Tgt Ion: 83 Resp: 222433
 Ion Ratio Lower Upper
 83 100
 55 74.7 63.4 95.2
 98 50.1 36.8 55.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 150000 Ion 55.00 (54.70 to 55.70): VV0
 100000 Ion 98.00 (97.70 to 98.70): VV0

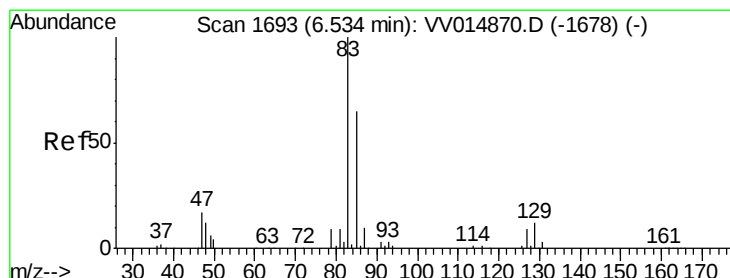
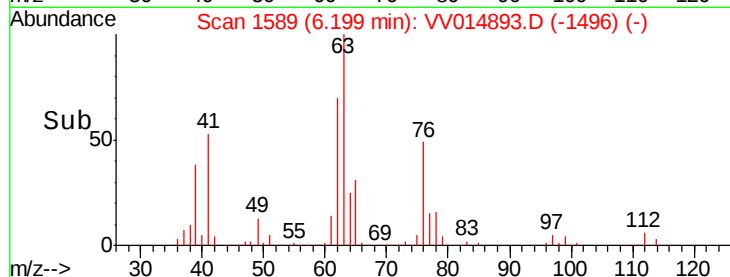
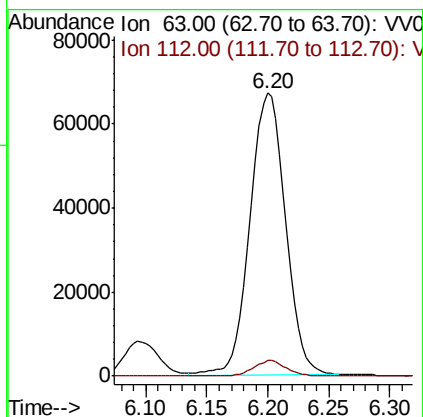
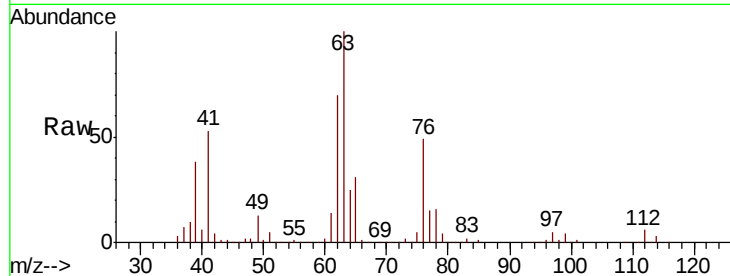




#37
 1,2-Dichloropropane
 Concen: 45.308 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014893.D
 Acq: 13 Mar 2020 01:55

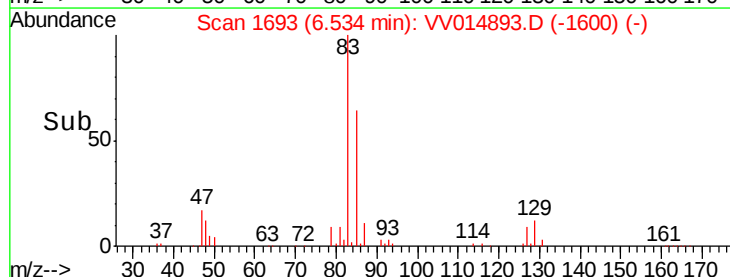
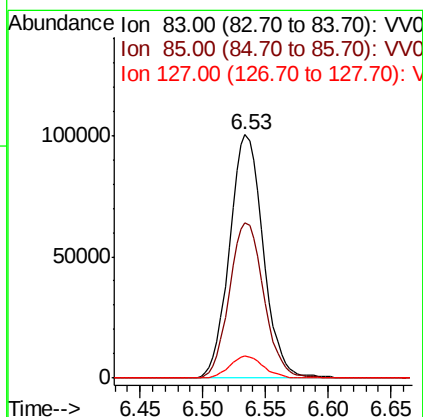
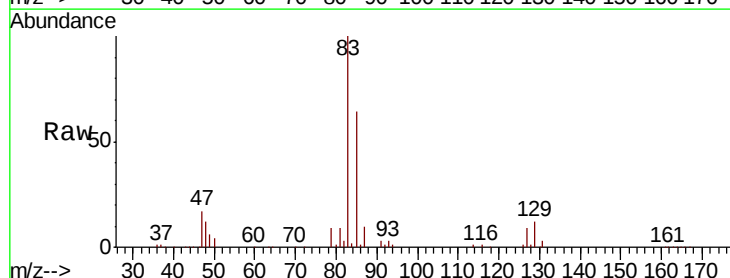
Instrument :
 MSVOA_V
 ClientSampled :

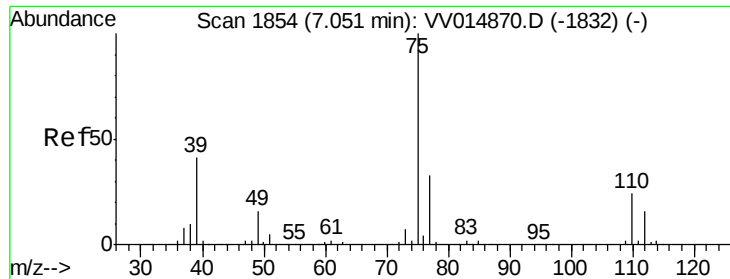
Tot Ion: 63 Resp: 135018
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 49.458 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV014893.D
 Acq: 13 Mar 2020 01:55

Tgt Ion: 83 Resp: 187484
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.1 83.7
 127 9.0 6.7 10.1

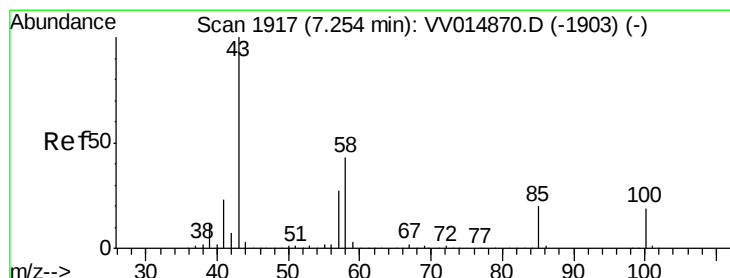
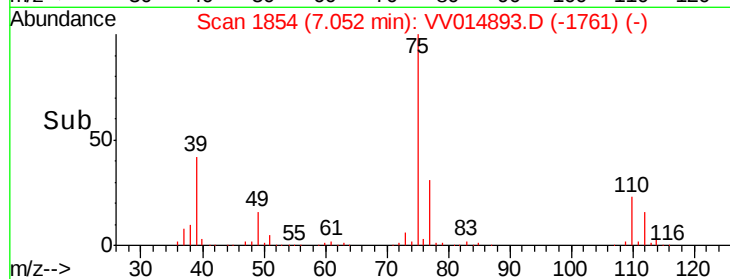
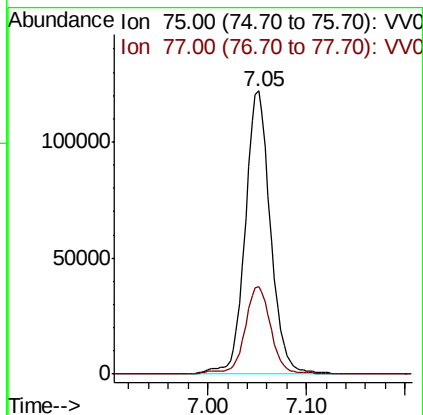
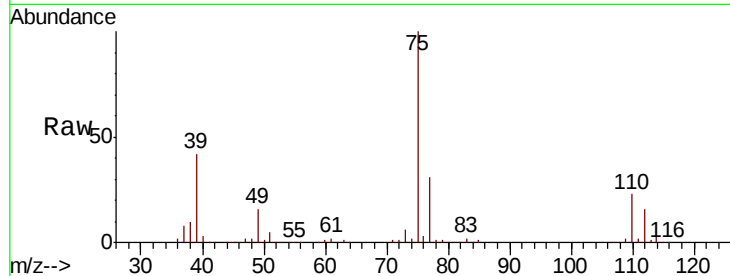




#39
 cis-1,3-Dichloropropene
 Concen: 46.223 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV014893.D
 Acq: 13 Mar 2020 01:55

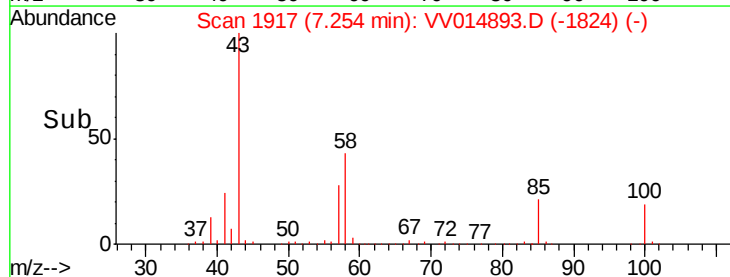
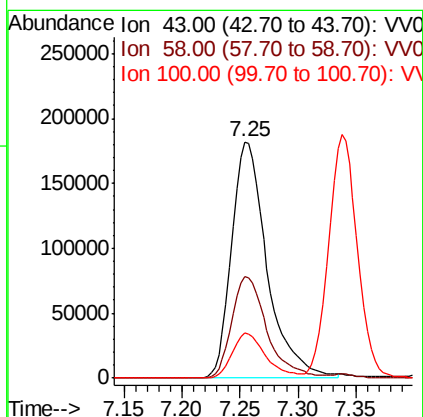
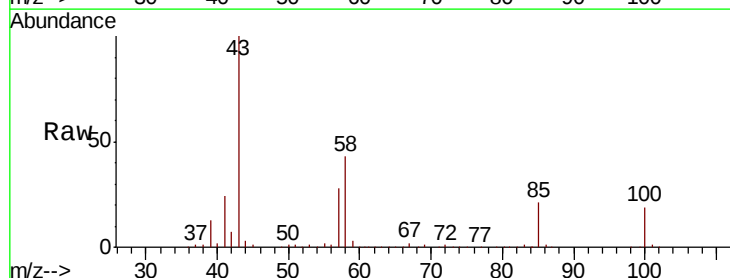
Instrument :
 MSVOA_V
 ClientSampled :

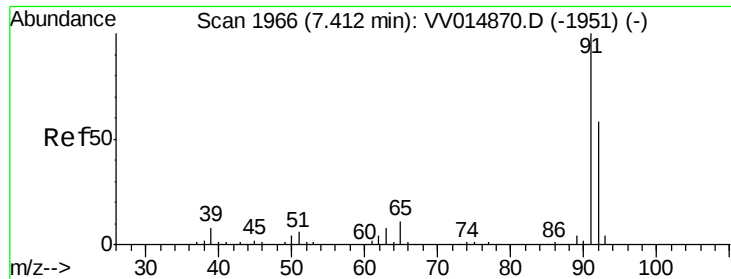
Tot Ion: 75 Resp: 215906
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 88.837 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV014893.D
 Acq: 13 Mar 2020 01:55

Tgt Ion: 43 Resp: 383640
 Ion Ratio Lower Upper
 43 100
 58 42.6 31.0 46.4
 100 18.1 11.2 16.8#





#42

Toluene

Concen: 49.896 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

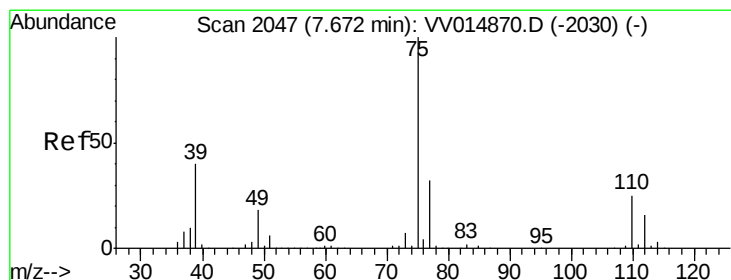
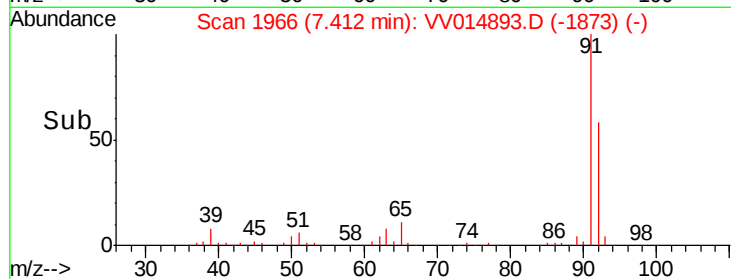
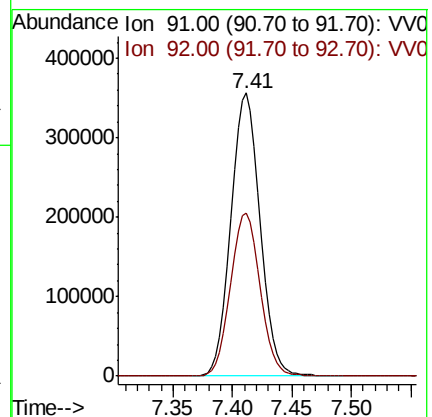
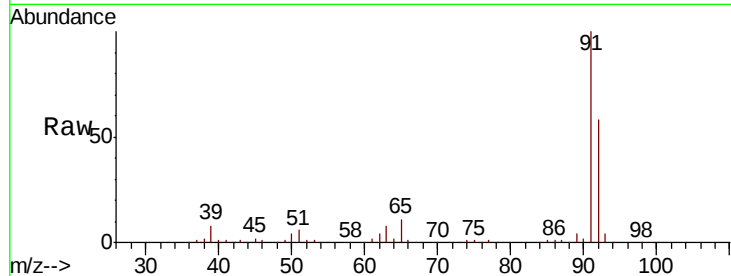
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 607041

Ion Ratio Lower Upper

91 100

92 57.8 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 44.898 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014893.D

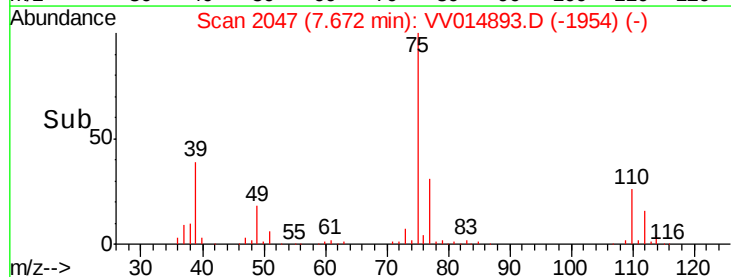
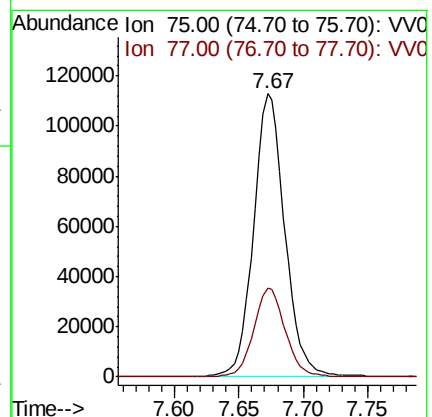
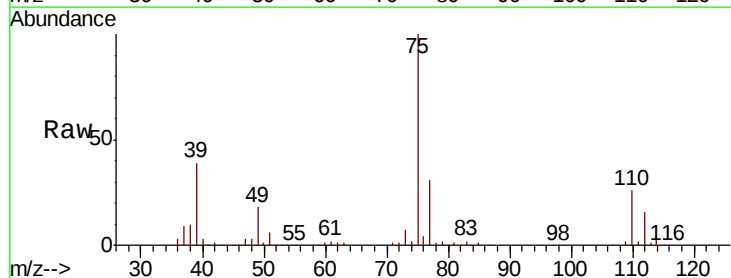
Acq: 13 Mar 2020 01:55

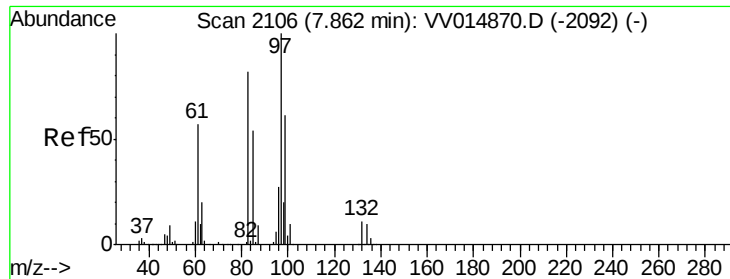
Tgt Ion: 75 Resp: 191181

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8

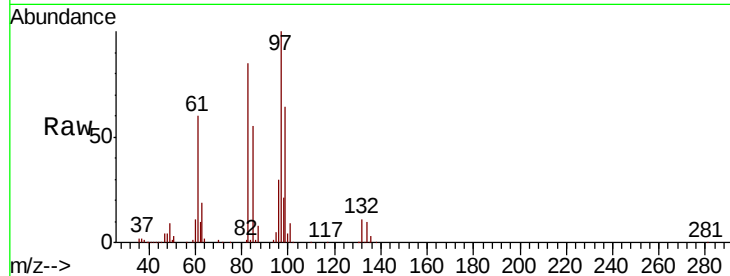




#45
 1,1,2-Trichloroethane
 Concen: 51.242 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV014893.D
 Acq: 13 Mar 2020 01:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	140635
Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.1	80.1
83	84.7	62.4	115.8
85	54.5	40.1	74.5



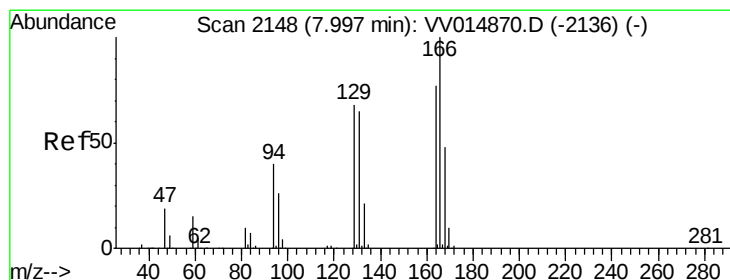
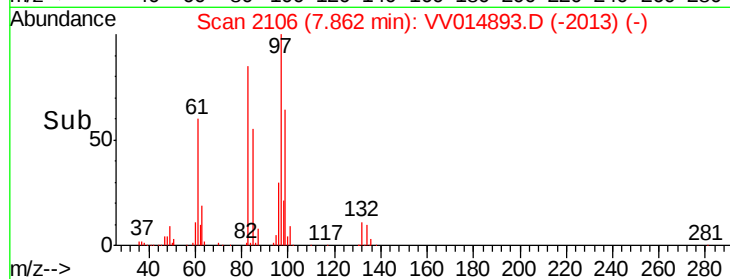
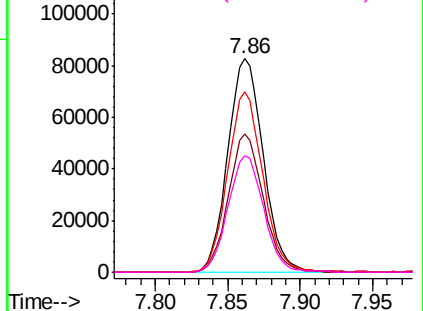
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

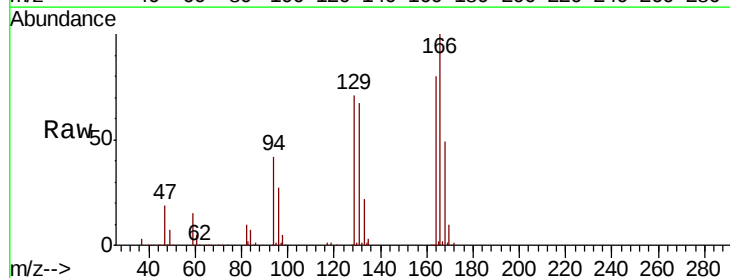
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 53.694 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV014893.D
 Acq: 13 Mar 2020 01:55

Tgt Ion:	164	Resp:	126607
Ion	Ratio	Lower	Upper
164	100		
129	87.8	66.0	122.6
131	84.0	63.9	118.7
166	124.5	89.7	166.7



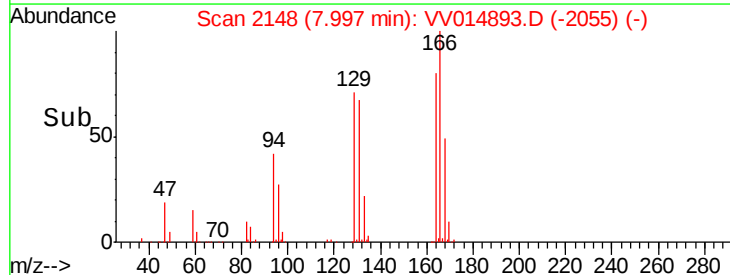
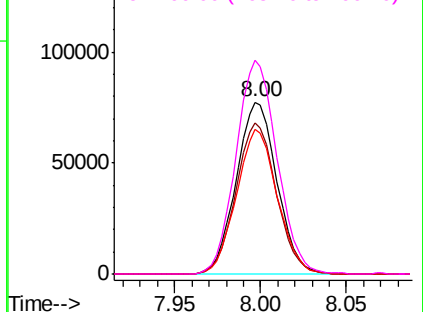
Abundance

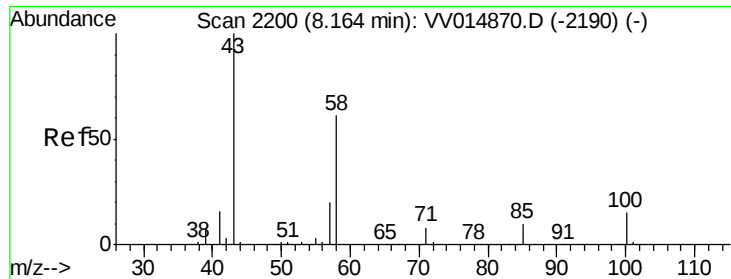
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

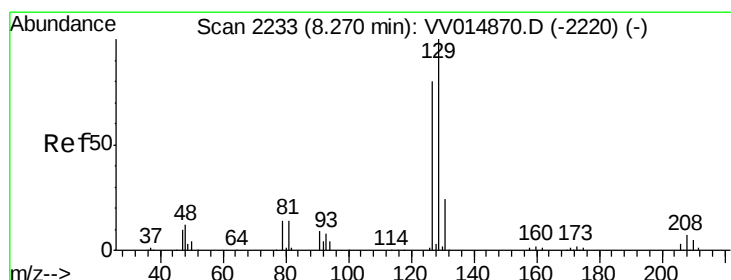
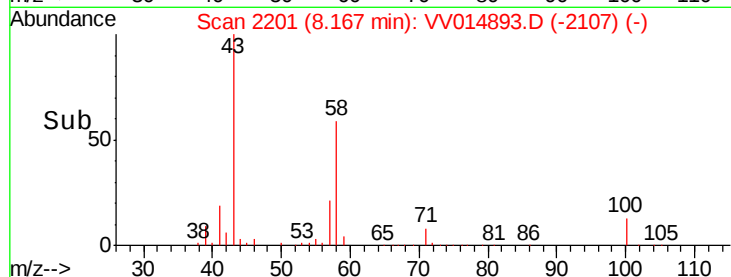
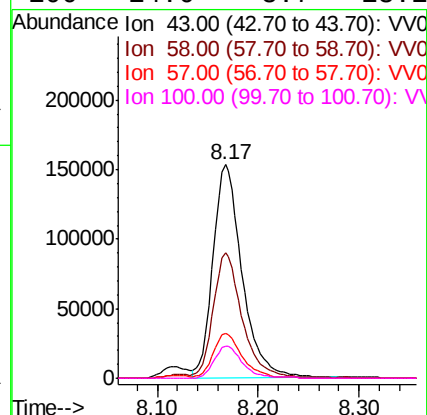
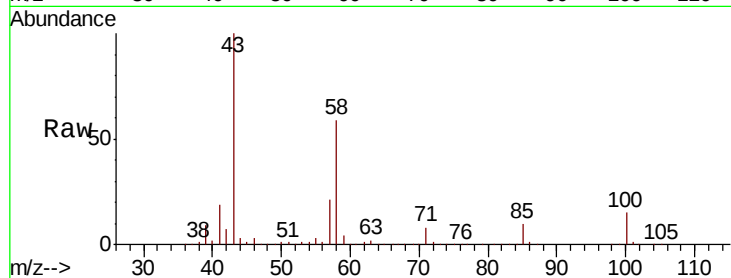




#48
2-Hexanone
Concen: 90.007 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

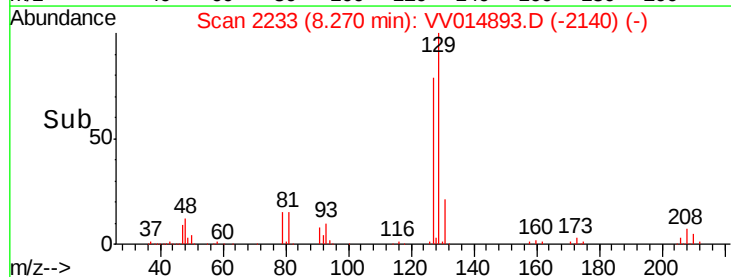
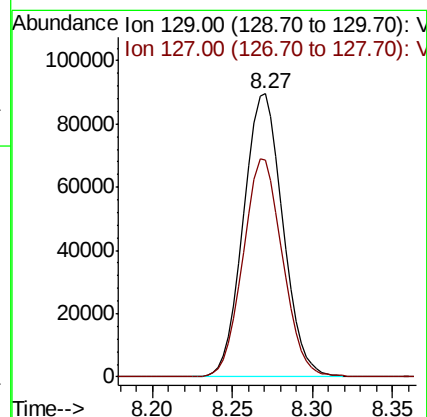
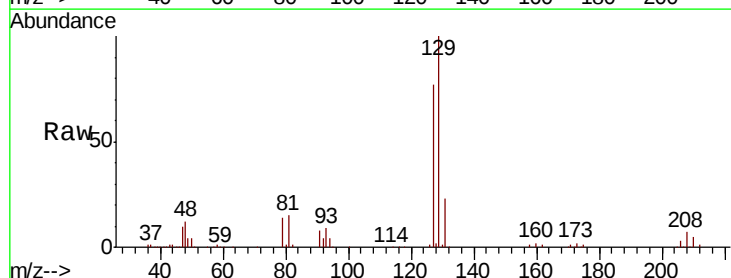
Instrument :
MSVOA_V
ClientSampleId :

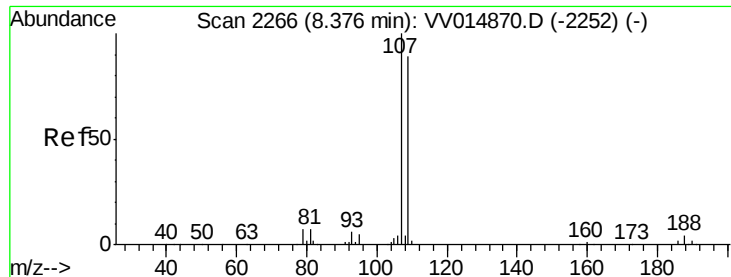
Tot Ion: 43 Resp: 305705
Ion Ratio Lower Upper
43 100
58 58.4 43.3 64.9
57 20.8 15.6 23.4
100 14.6 8.7 13.1#



#49
Dibromochloromethane
Concen: 50.305 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

Tgt Ion: 129 Resp: 150481
Ion Ratio Lower Upper
129 100
127 76.5 53.9 100.1





#50

1,2-Dibromoethane

Concen: 51.881 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :

MSVOA_V

ClientSampleId :

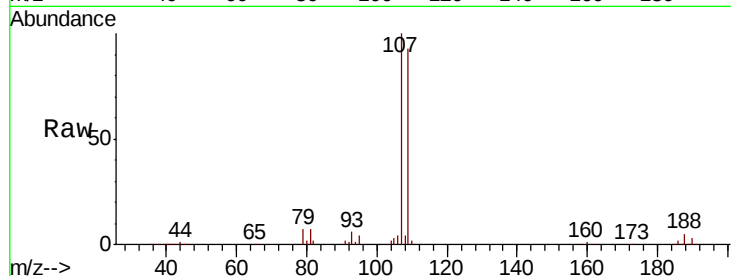
Tot Ion:107 Resp: 153914

Ion Ratio Lower Upper

107 100

109 93.5 66.6 123.6

188 4.8 3.0 4.6#

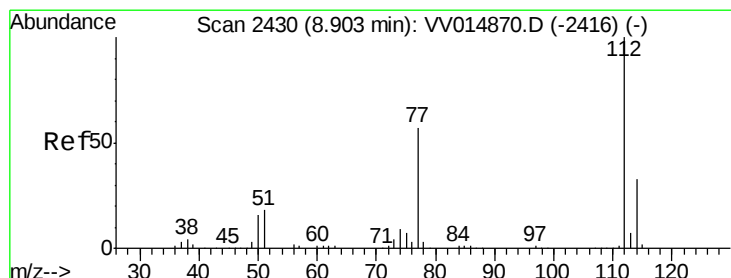
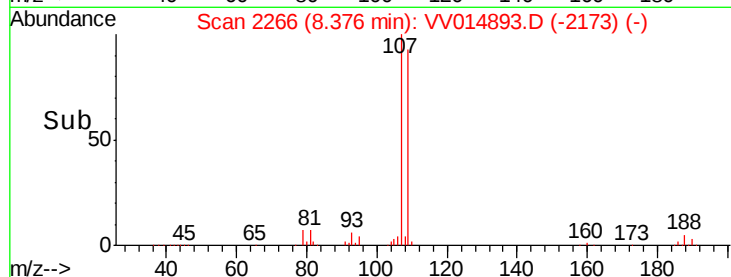
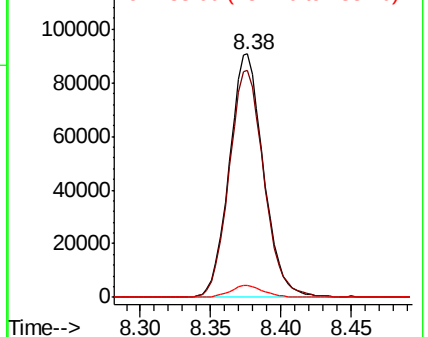


Abundance

Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.805 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

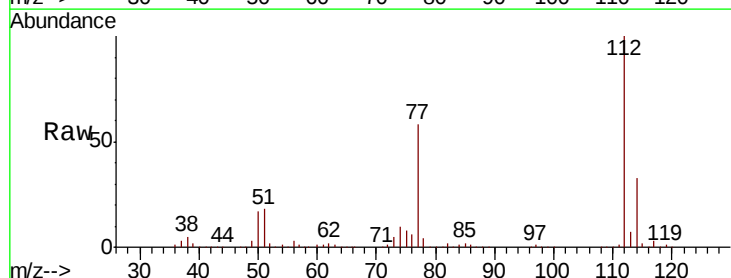
Tgt Ion:112 Resp: 397691

Ion Ratio Lower Upper

112 100

114 32.7 22.1 41.1

77 58.0 47.8 71.8

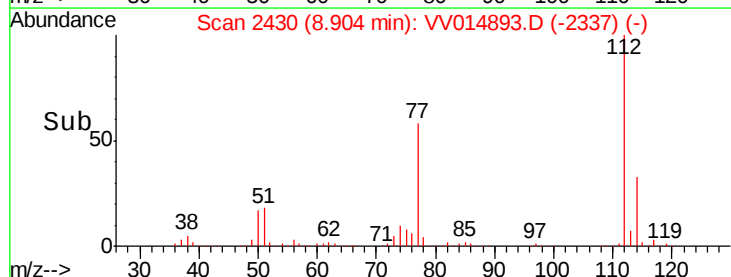
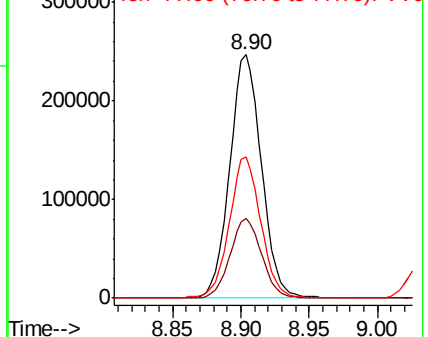


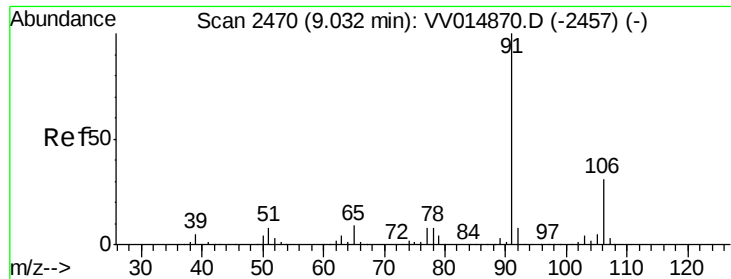
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

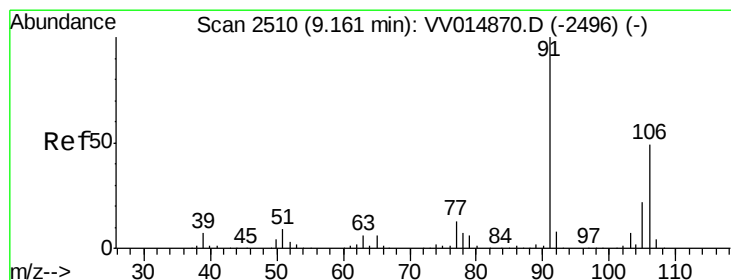
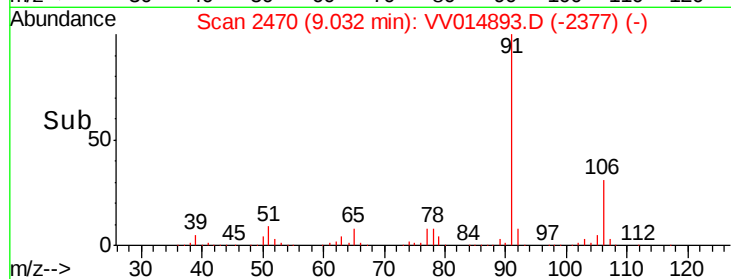
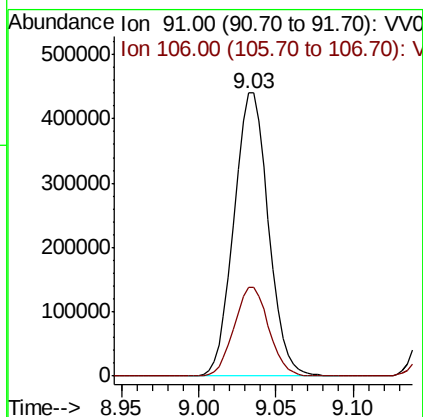
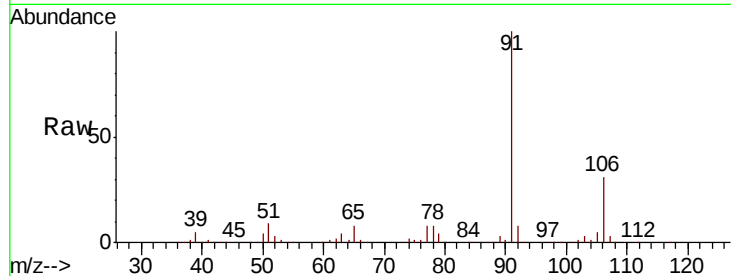




#52
Ethylbenzene
Concen: 49.768 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

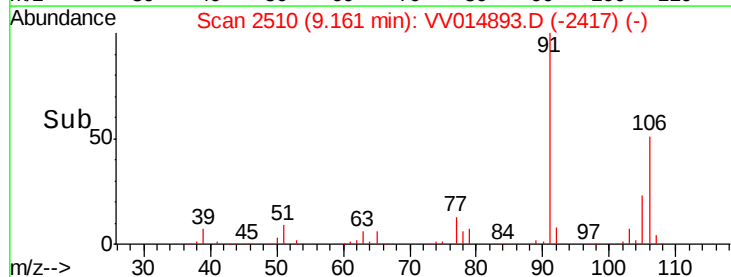
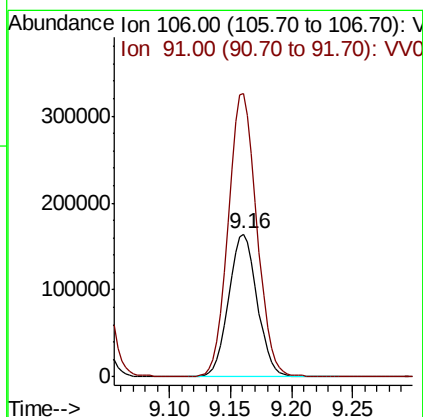
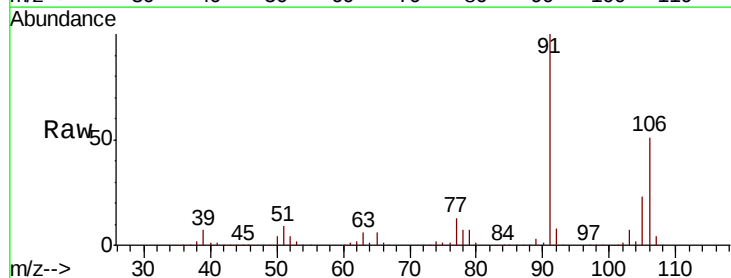
Instrument :
MSVOA_V
ClientSampleId :

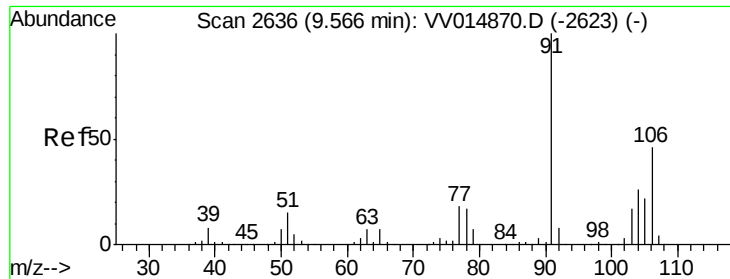
Tot Ion: 91 Resp: 682141
Ion Ratio Lower Upper
91 100
106 31.4 21.3 39.6



#53
m,p-Xylene
Concen: 52.083 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

Tgt Ion: 106 Resp: 267898
Ion Ratio Lower Upper
106 100
91 197.7 145.1 269.5

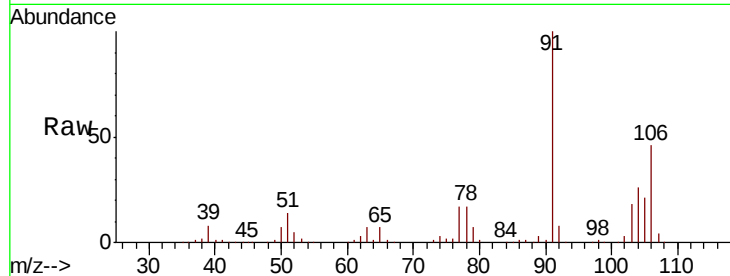




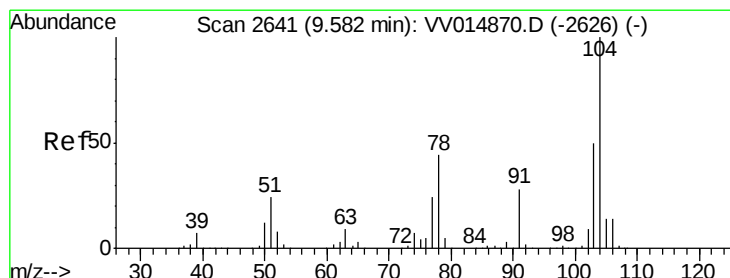
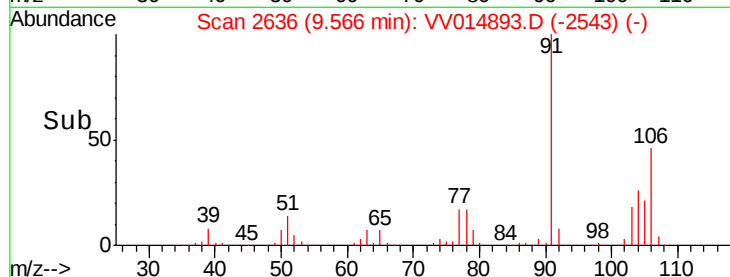
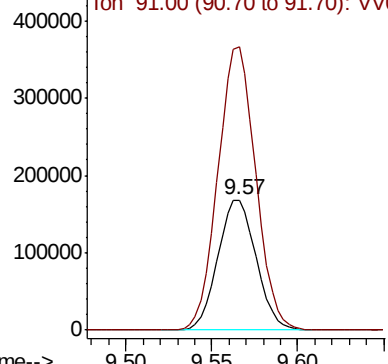
#54
o-xylene
Concen: 51.599 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 260714
Ion Ratio Lower Upper
106 100
91 217.4 152.5 283.3

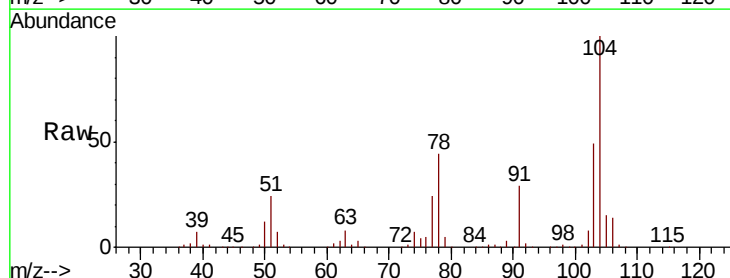


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

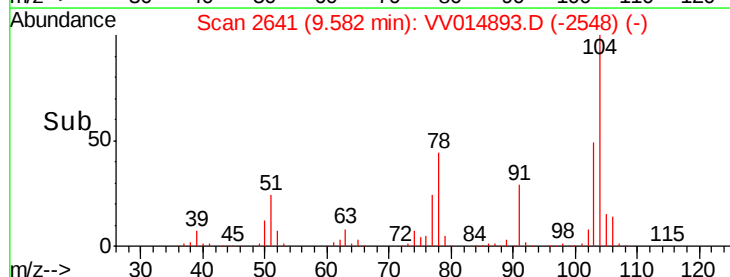
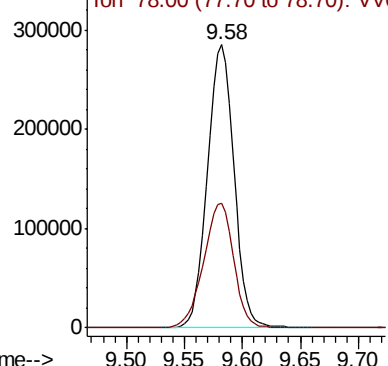


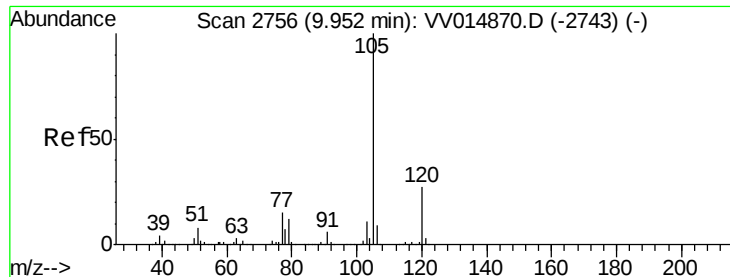
#55
Styrene
Concen: 52.436 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014893.D
Acq: 13 Mar 2020 01:55

Tgt Ion:104 Resp: 453049
Ion Ratio Lower Upper
104 100
78 44.1 31.6 58.6



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





#56

Isopropylbenzene

Concen: 51.276 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :
MSVOA_V
ClientSampleId :

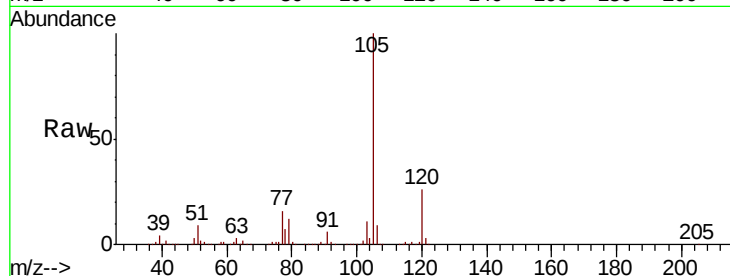
Tot Ion:105 Resp: 693898

Ion Ratio Lower Upper

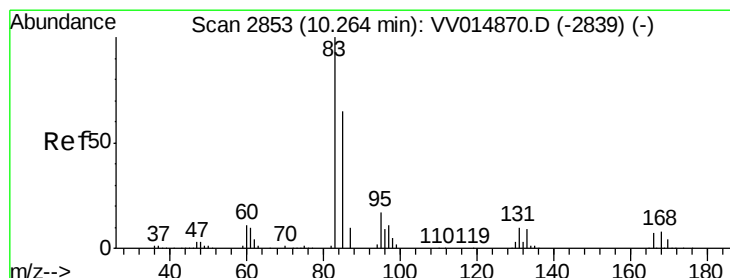
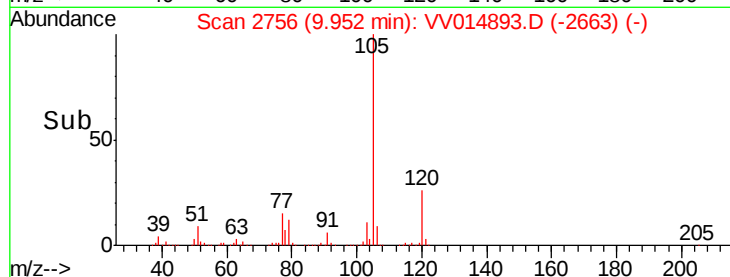
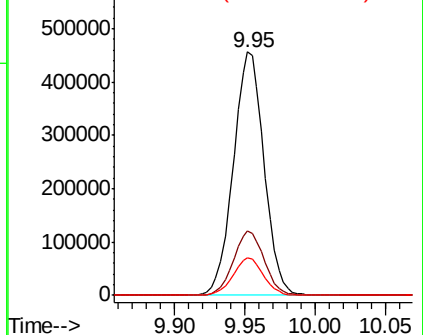
105 100

120 26.5 20.6 31.0

77 15.3 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.219 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

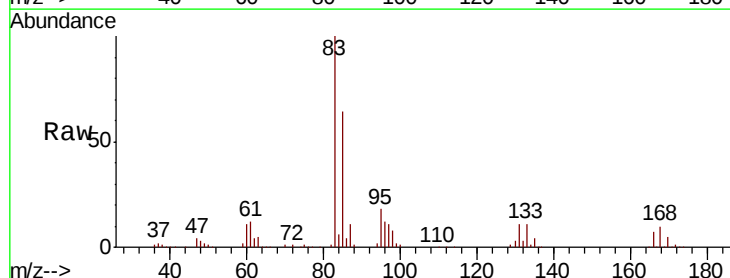
Tgt Ion: 83 Resp: 232671

Ion Ratio Lower Upper

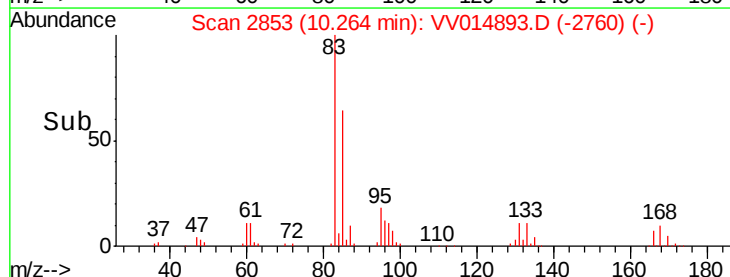
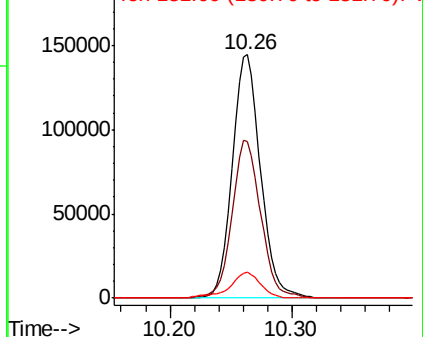
83 100

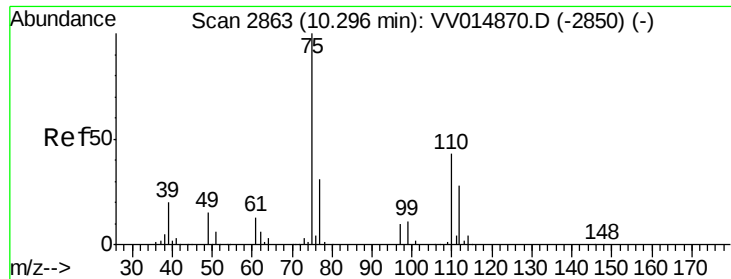
85 64.5 44.4 82.5

131 10.6 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.010 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :

MSVOA_V

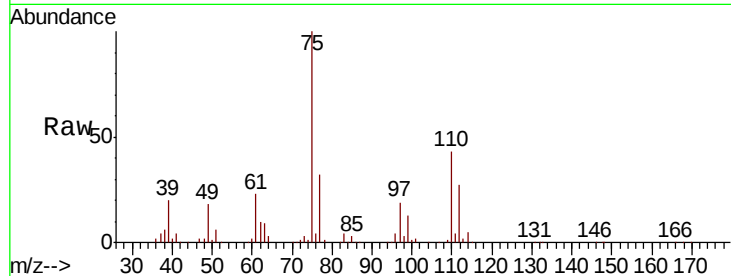
ClientSampled :

Tot Ion: 75 Resp: 186521

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV014870.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV014893.D (-2241) (-)

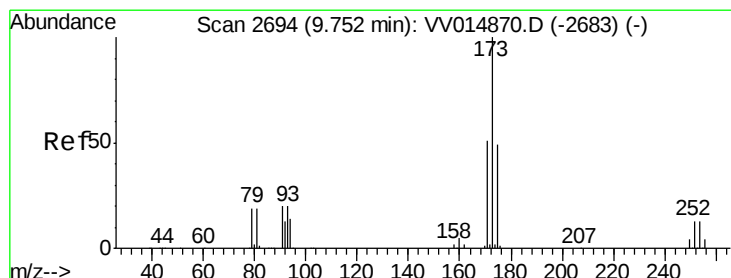
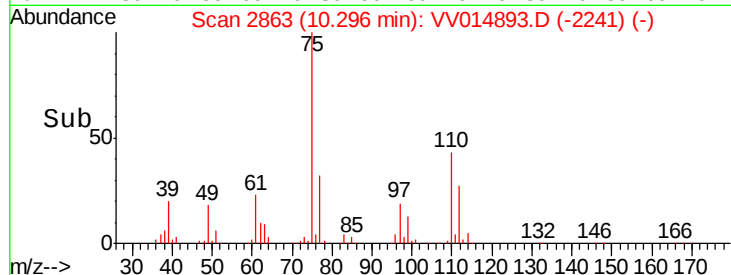
10.30

100000

50000

0

Time-->



#61

Bromoform

Concen: 46.155 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

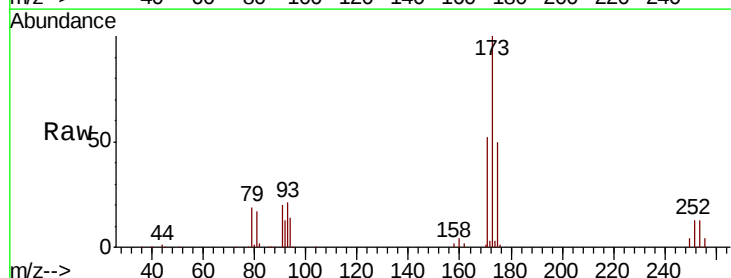
Tgt Ion: 173 Resp: 102748

Ion Ratio Lower Upper

173 100

175 50.8 39.0 58.4

254 13.0 8.6 13.0#



Abundance Ion 173.00 (172.70 to 173.70): VV014870.D (-2683) (-)

Ion 175.00 (174.70 to 175.70): VV014893.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV014893.D (-2601) (-)

9.75

80000

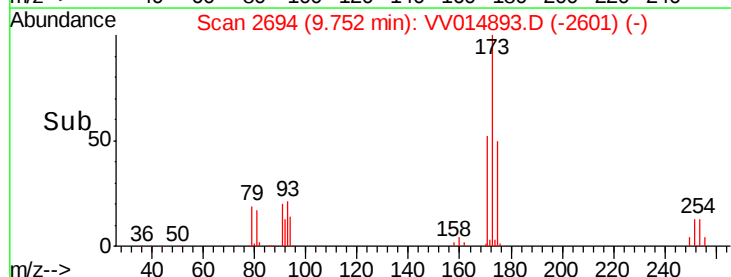
60000

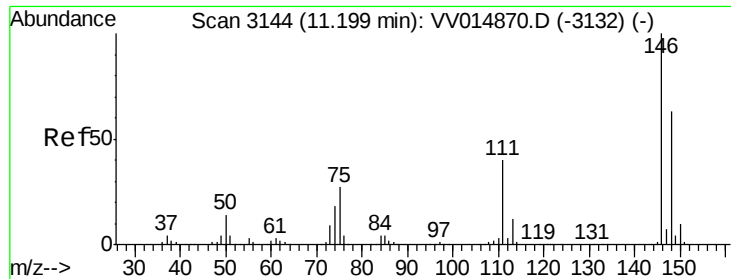
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 50.333 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :

MSVOA_V

ClientSampled :

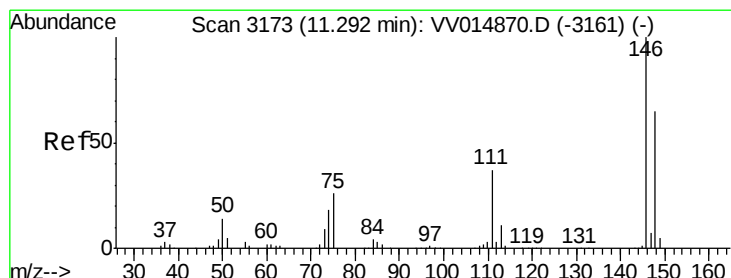
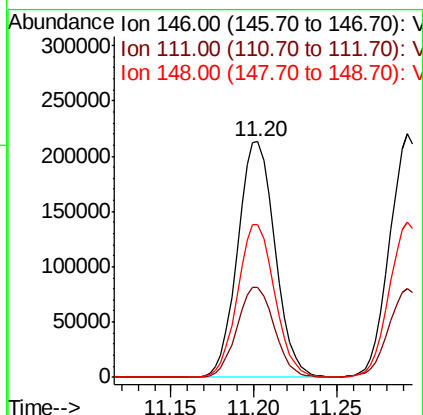
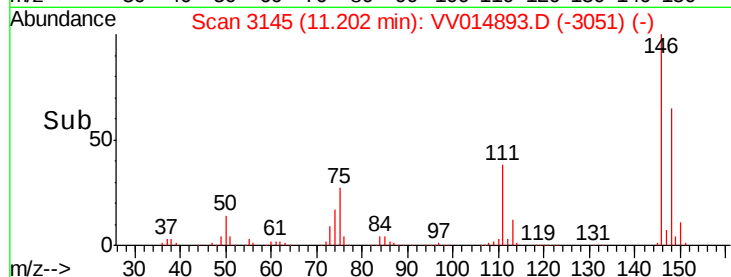
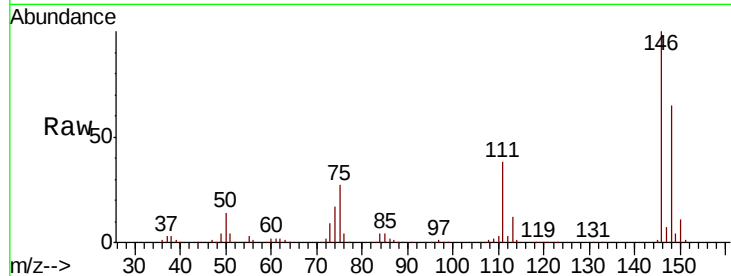
Tot Ion:146 Resp: 333990

Ion Ratio Lower Upper

146 100

111 38.1 27.2 50.4

148 64.9 44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 50.559 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

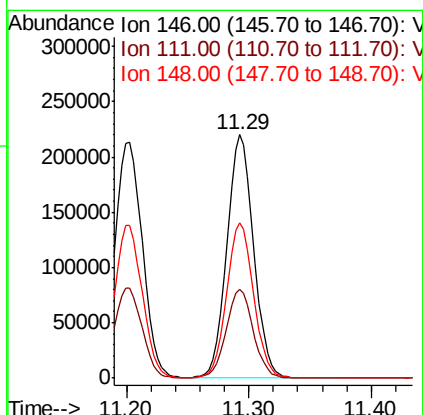
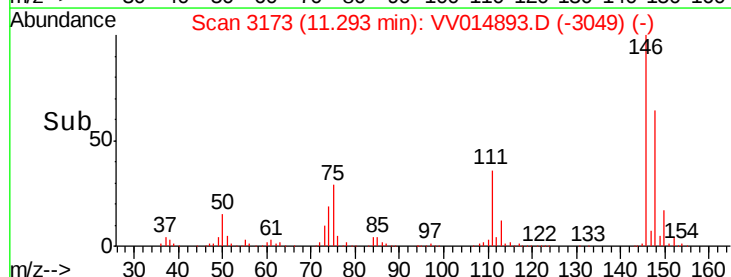
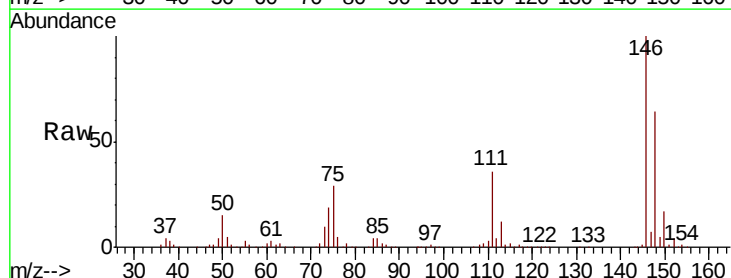
Tgt Ion:146 Resp: 338003

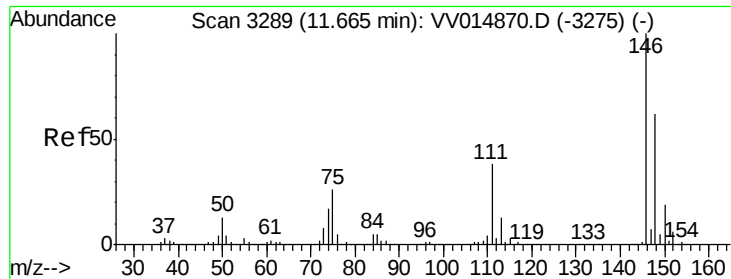
Ion Ratio Lower Upper

146 100

111 36.4 26.3 48.9

148 63.9 44.0 81.8





#65

1,2-Dichlorobenzene

Concen: 51.570 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :

MSVOA_V

ClientSampleId :

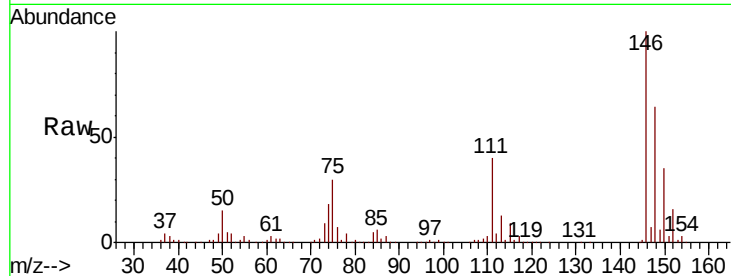
Tot Ion:146 Resp: 340685

Ion Ratio Lower Upper

146 100

111 39.8 33.9 50.9

148 63.9 51.4 77.0

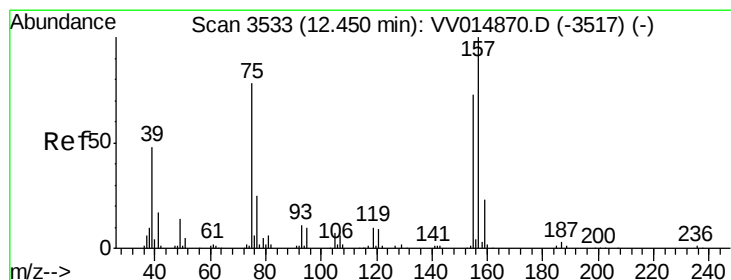
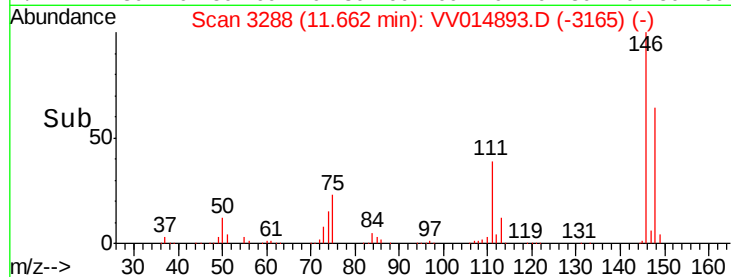
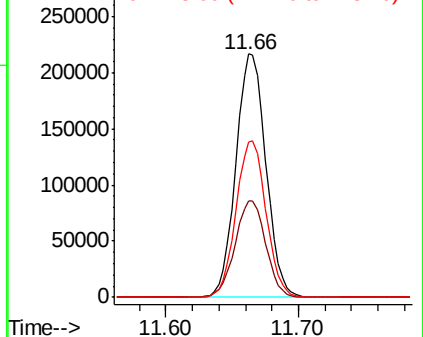


Abundance

Ion 146.00 (145.70 to 146.70): 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: 47.208 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

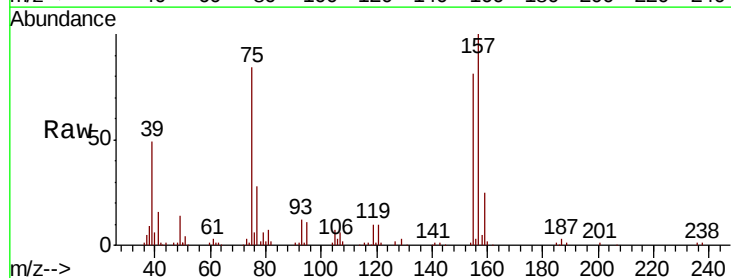
Tgt Ion: 75 Resp: 52930

Ion Ratio Lower Upper

75 100

155 95.8 66.4 99.6

157 118.6 86.1 129.1

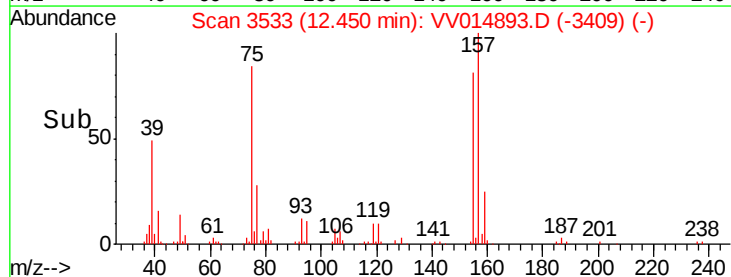
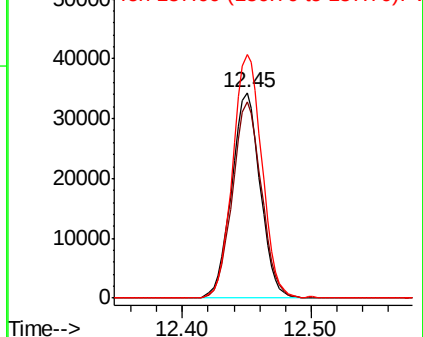


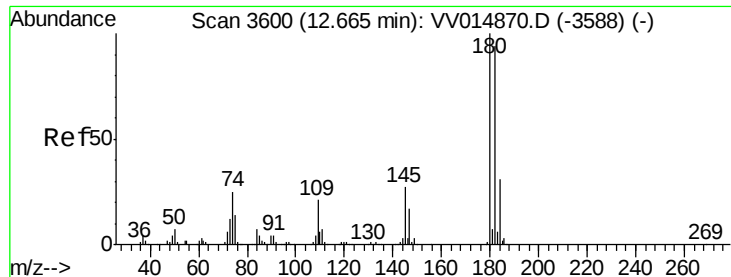
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

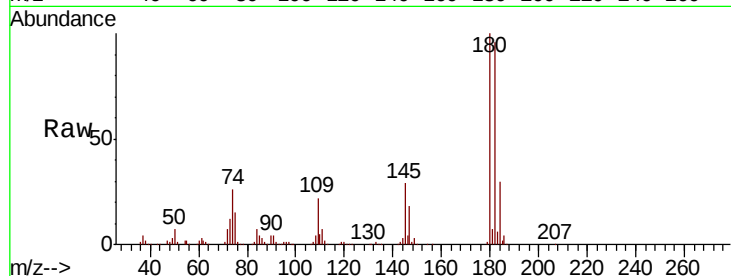




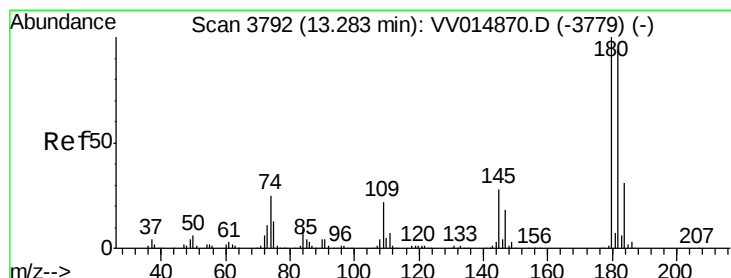
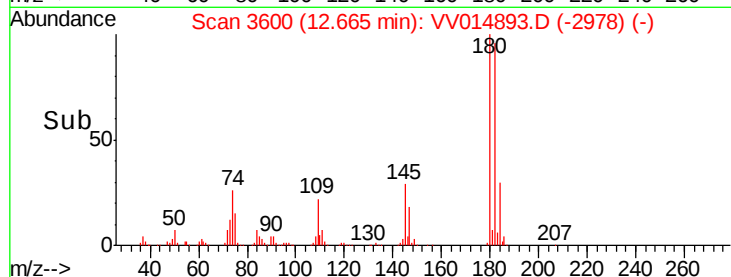
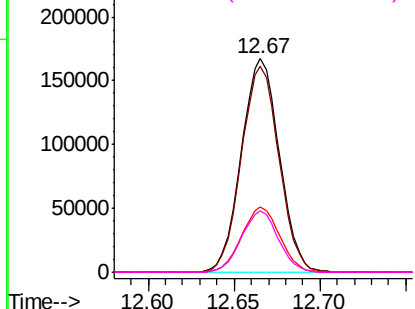
#67
 1,3,5-Trichlorobenzene
 Concen: 49.984 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014893.D
 Acq: 13 Mar 2020 01:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	256515
Ion	Ratio	Lower Upper
180	100	
182	95.7	75.6 113.4
184	30.5	24.8 37.2
145	27.9	23.3 34.9

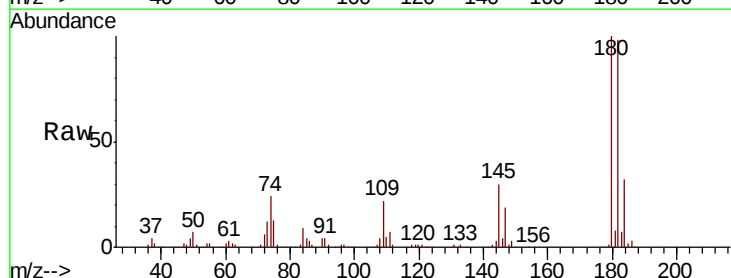


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

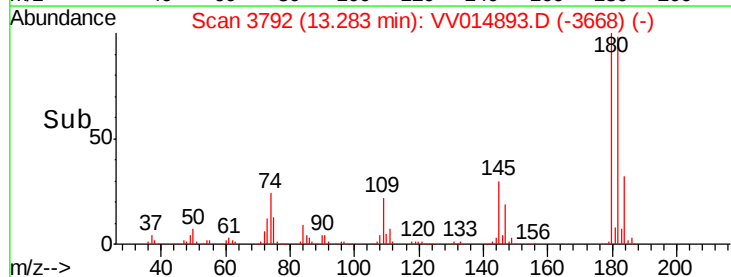
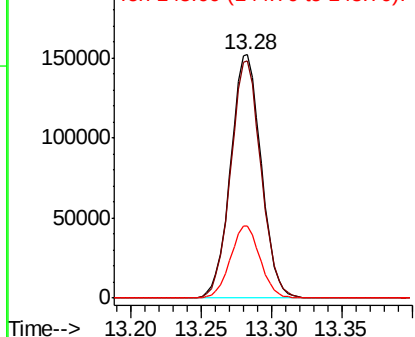


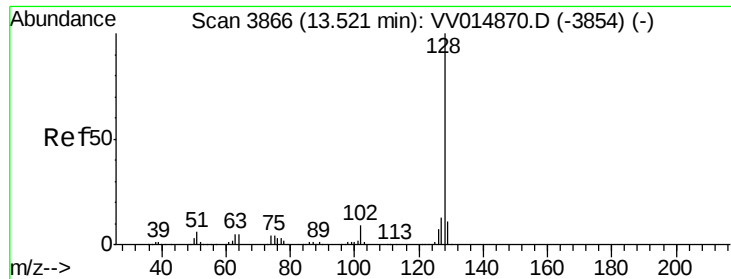
#68
 1,2,4-trichlorobenzene
 Concen: 49.042 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014893.D
 Acq: 13 Mar 2020 01:55

Tgt Ion:180	Resp:	231328
Ion	Ratio	Lower Upper
180	100	
182	96.5	76.6 114.8
145	28.9	23.4 35.0



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





#69

Naphthalene

Concen: 49.543 ug/L

RT: 13.52 min Scan# 3866

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

Instrument :

MSVOA_V

ClientSampleId :

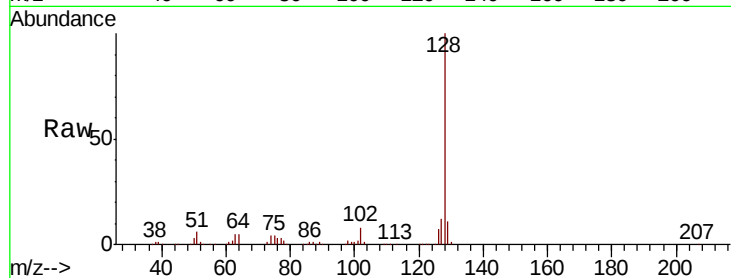
Tot Ion:128 Resp: 351805

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

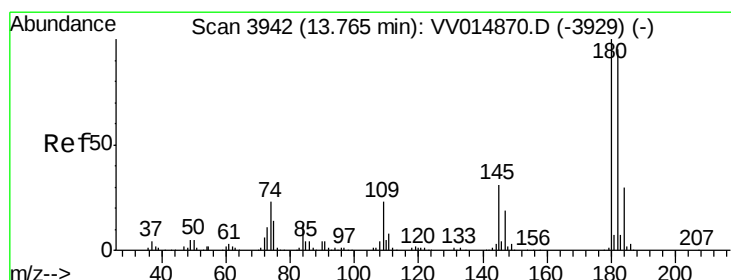
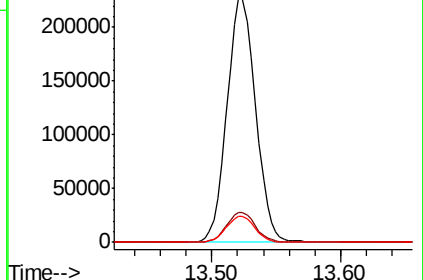
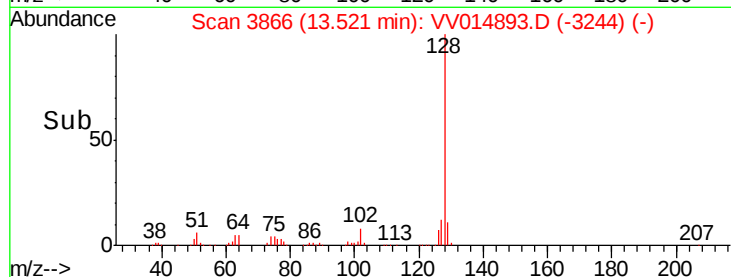
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.782 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV014893.D

Acq: 13 Mar 2020 01:55

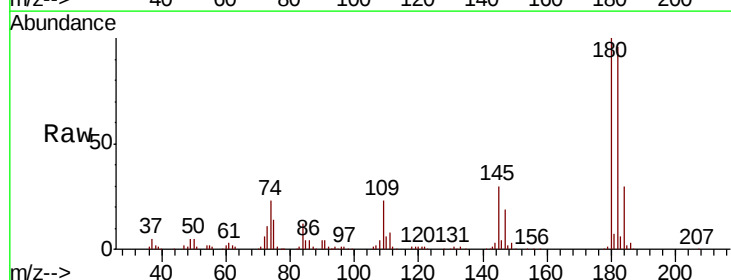
Tgt Ion:180 Resp: 243461

Ion Ratio Lower Upper

180 100

182 95.9 76.5 114.7

145 29.8 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

