

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015210.D
 Acq On : 27 Mar 2020 13:48
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 01:40:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 01:31:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	679905	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	673597	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	321077	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	146041	40.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.06%
7) Chloroethane-d5	1.58	69	153973	41.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.74%
11) 1,1-Dichloroethene-d2	2.12	63	359246	43.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.38%
21) 2-Butanone-d5	3.94	46	348031	95.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.82%
24) Chloroform-d	4.38	84	369568	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
26) 1,2-Dichloroethane-d4	5.06	65	243316	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.20%
32) Benzene-d6	5.08	84	609675	44.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.10	67	223258	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.34%
41) Toluene-d8	7.34	98	546411	43.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.04%
43) trans-1,3-Dichloropropene-	7.64	79	120442	44.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.50%
47) 2-Hexanone-d5	8.12	63	274388	93.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.89%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	397560	46.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	271646	45.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	258635	43.111	ug/L 98
3) Chloromethane	1.25	50	287592	44.143	ug/L 100
5) Vinyl chloride	1.32	62	299576	44.890	ug/L 100
6) Bromomethane	1.53	94	181320	42.100	ug/L 98
8) Chloroethane	1.60	64	185390	42.485	ug/L 97
9) Trichlorofluoromethane	1.77	101	471236	42.792	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	259198	46.539	ug/L 99
12) 1,1-Dichloroethene	2.13	96	251667	45.895	ug/L 96
13) Acetone	2.46	43	207717	82.688	ug/L 100
14) Carbon disulfide	2.31	76	622656	44.279	ug/L 100
15) Methyl Acetate	2.46	43	228610	43.959	ug/L 100
16) Methylene chloride	2.53	84	235769	46.060	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	213075	44.711	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	721043	44.892	ug/L 100
19) 1,1-Dichloroethane	3.21	63	401244	45.582	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	243108	45.795	ug/L # 99
22) 2-Butanone	4.02	43	328585	83.144	ug/L 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015210.D
 Acq On : 27 Mar 2020 13:48
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 01:40:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 01:31:46 2020
 Response via : Initial Calibration

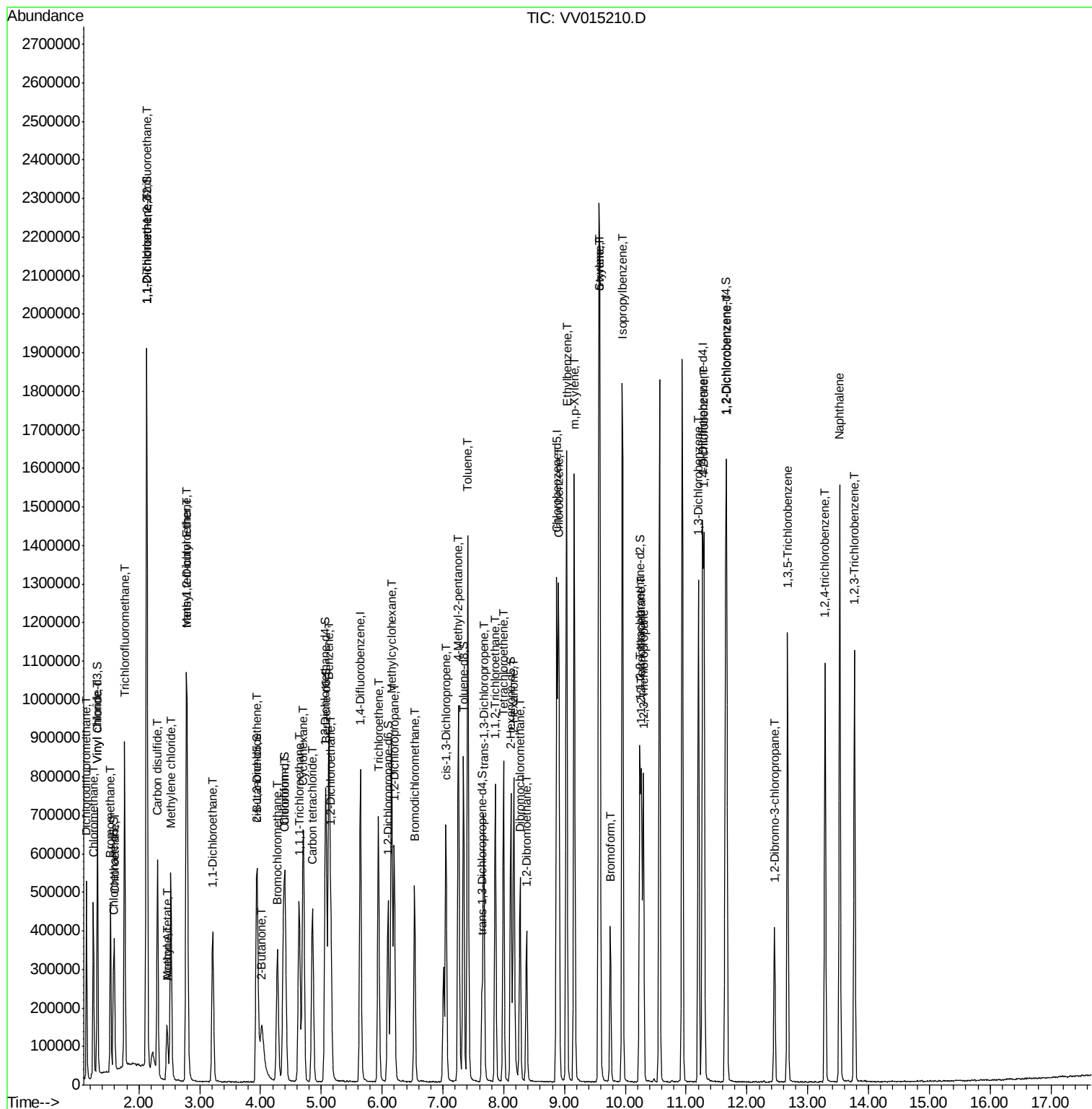
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	117852	45.888	ug/L	98
25) Chloroform	4.41	83	423950	46.749	ug/L	97
27) 1,2-Dichloroethane	5.16	62	332950	46.309	ug/L	99
29) Cyclohexane	4.70	56	366701	44.480	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	387200	45.392	ug/L	100
31) Carbon tetrachloride	4.86	117	326609	45.551	ug/L	100
33) Benzene	5.13	78	921495	45.951	ug/L	100
34) Trichloroethene	5.94	95	241628	46.253	ug/L	100
35) Methylcyclohexane	6.15	83	388591	44.762	ug/L	100
37) 1,2-Dichloropropane	6.20	63	231923	45.233	ug/L	100
38) Bromodichloromethane	6.53	83	331531	45.625	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	387570	45.222	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	685973	88.717	ug/L	100
42) Toluene	7.41	91	1027419	45.923	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	377740	45.144	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	232171	46.257	ug/L	98
46) Tetrachloroethene	8.00	164	160908	45.834	ug/L	98
48) 2-Hexanone	8.17	43	516737	84.630	ug/L	96
49) Dibromochloromethane	8.27	129	255271	46.160	ug/L	99
50) 1,2-Dibromoethane	8.37	107	251116	45.964	ug/L	100
51) Chlorobenzene	8.90	112	652530	45.662	ug/L	98
52) Ethylbenzene	9.04	91	1160624	46.044	ug/L	99
53) m,p-Xylene	9.16	106	445999	46.379	ug/L	98
54) o-xylene	9.57	106	442273	45.789	ug/L	100
55) Styrene	9.58	104	759665	46.486	ug/L	99
56) Isopropylbenzene	9.95	105	1158507	46.718	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	374402	44.254	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	312835	45.928	ug/L	100
61) Bromoform	9.75	173	161224	43.584	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	481239	44.703	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	484849	44.584	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	486706	44.592	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	101864	42.007	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	306460	44.488	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	283856	43.201	ug/L	98
69) Naphthalene	13.53	128	1142168	43.408	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	289305	43.973	ug/L	98

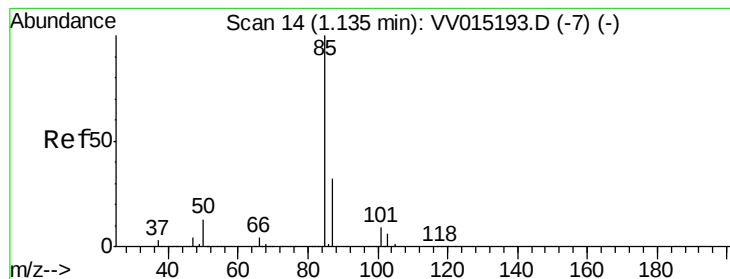
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV032620\
Data File : VV015210.D
Acq On : 27 Mar 2020 13:48
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Mar 28 01:40:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 28 01:31:46 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 43.111 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :

MSVOA_V

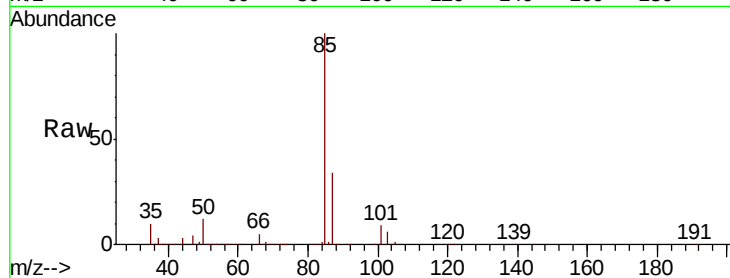
ClientSampleId :

Tot Ion: 85 Resp: 258635

Ion Ratio Lower Upper

85 100

87 33.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

250000

200000

150000

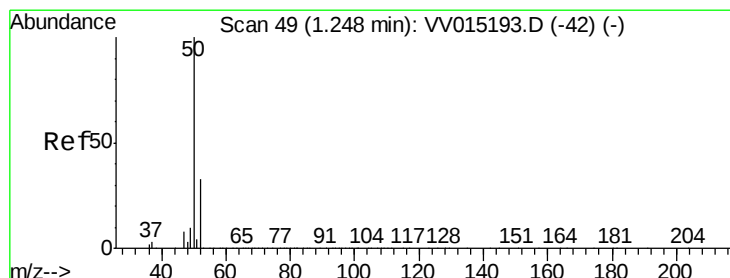
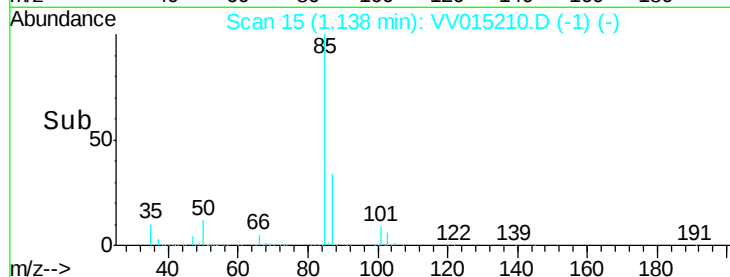
100000

50000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 44.143 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015210.D

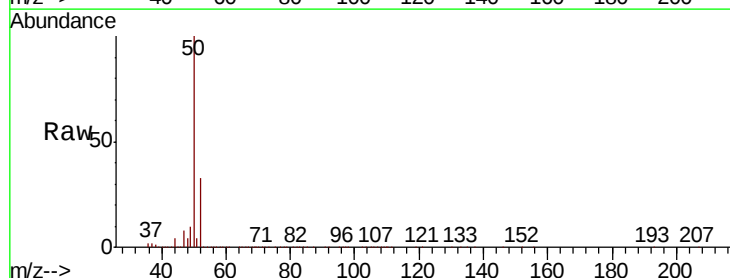
Acq: 27 Mar 2020 13:48

Tgt Ion: 50 Resp: 287592

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

300000

250000

200000

150000

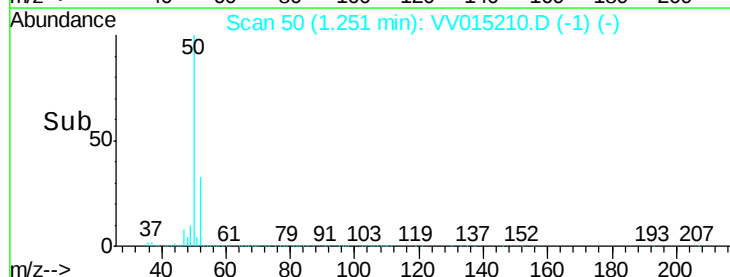
100000

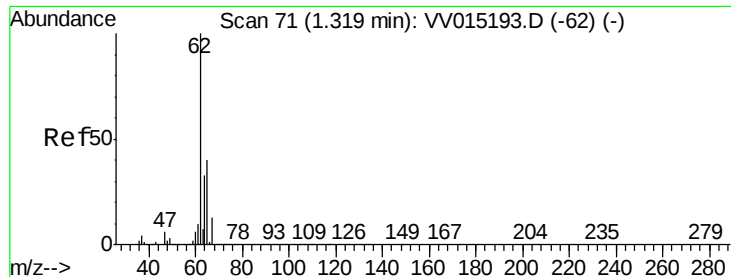
50000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 44.890 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

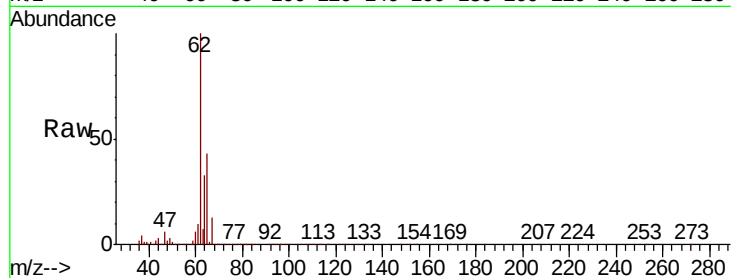
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 299576

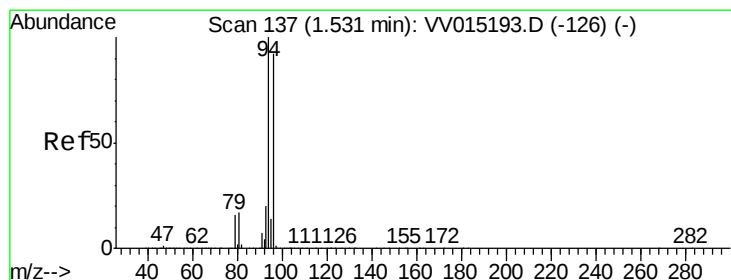
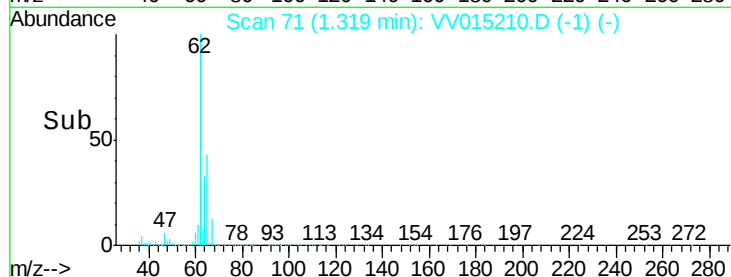
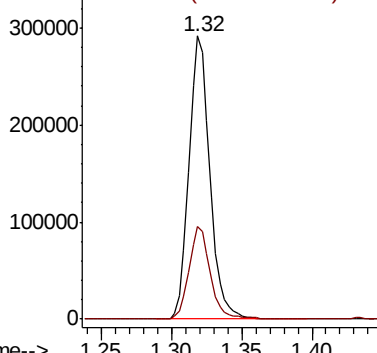
Ion Ratio Lower Upper

62 100

64 32.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 42.100 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015210.D

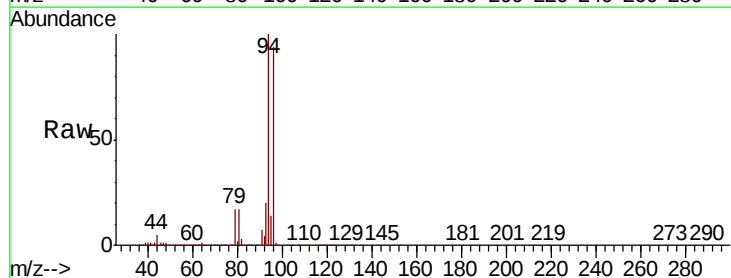
Acq: 27 Mar 2020 13:48

Tgt Ion: 94 Resp: 181320

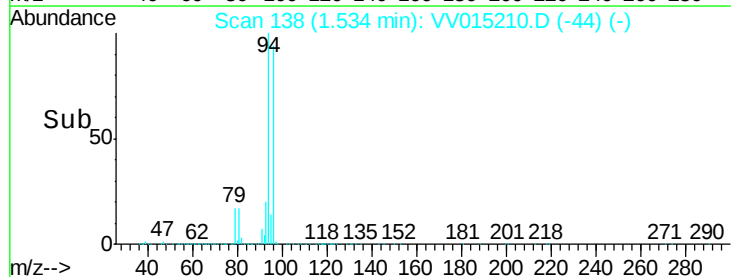
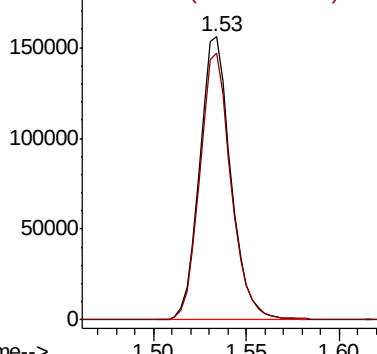
Ion Ratio Lower Upper

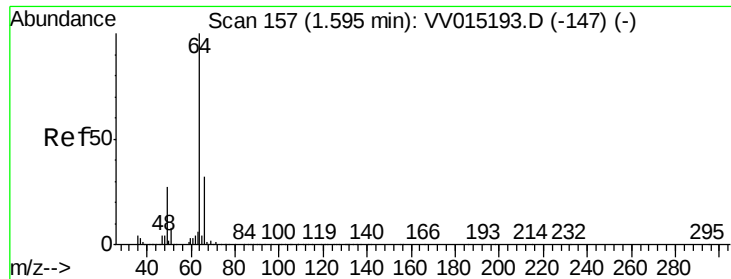
94 100

96 94.3 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0

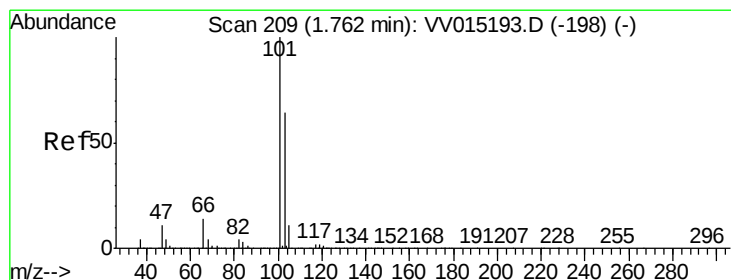
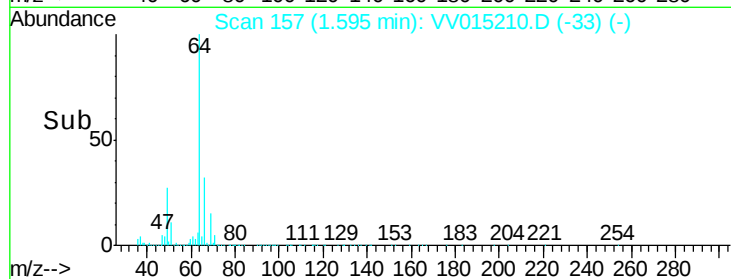
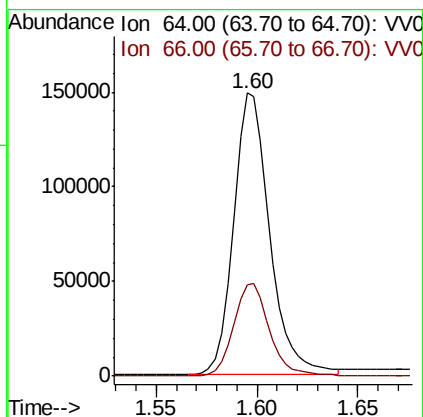
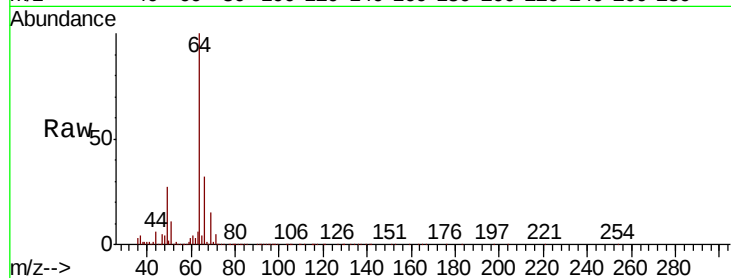




#8
Chloroethane
Concen: 42.485 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV015210.D
Acq: 27 Mar 2020 13:48

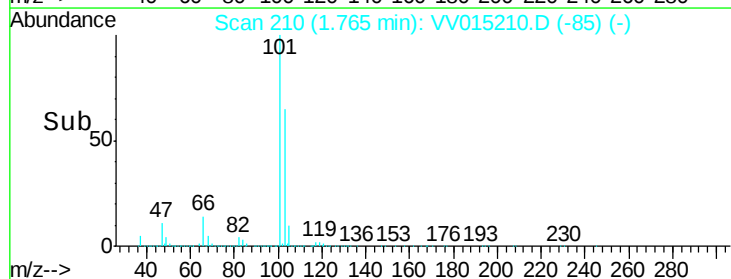
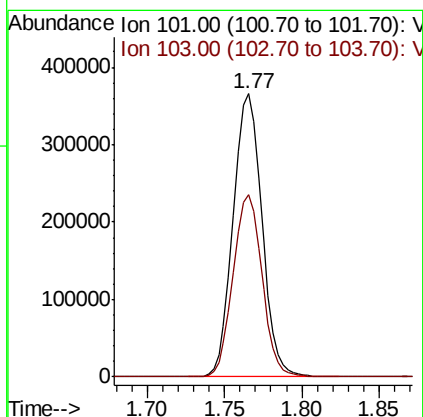
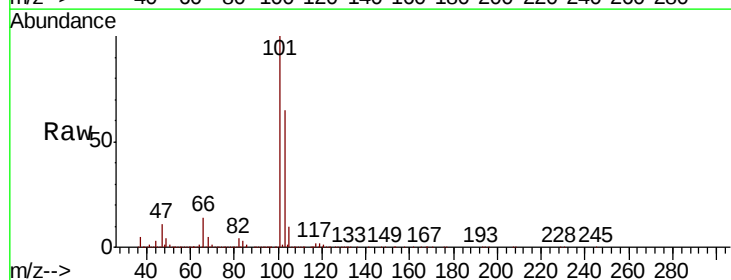
Instrument :
MSVOA_V
ClientSampleId :

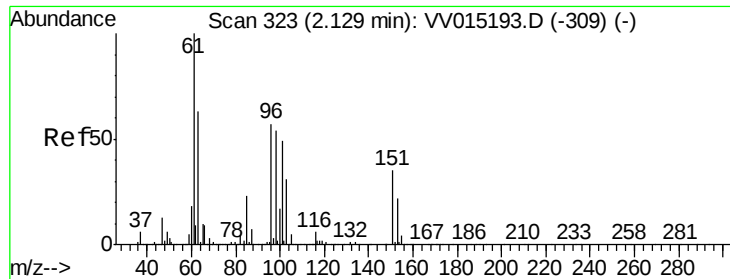
Tot Ion: 64 Resp: 185390
Ion Ratio Lower Upper
64 100
66 32.3 21.6 40.2



#9
Trichlorofluoromethane
Concen: 42.792 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015210.D
Acq: 27 Mar 2020 13:48

Tgt Ion:101 Resp: 471236
Ion Ratio Lower Upper
101 100
103 64.9 50.8 76.2





#10

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

Concen: 46.539 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

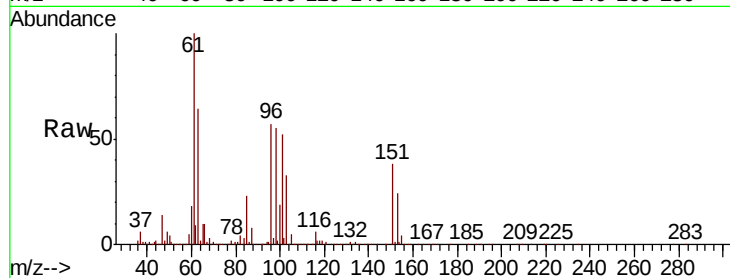
Tot Ion:101 Resp: 259198

Ion Ratio Lower Upper

101 100

85 45.9 37.1 55.7

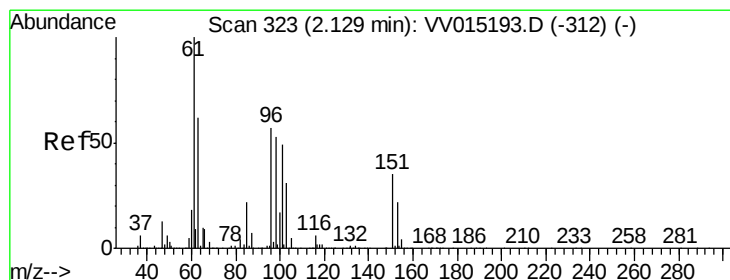
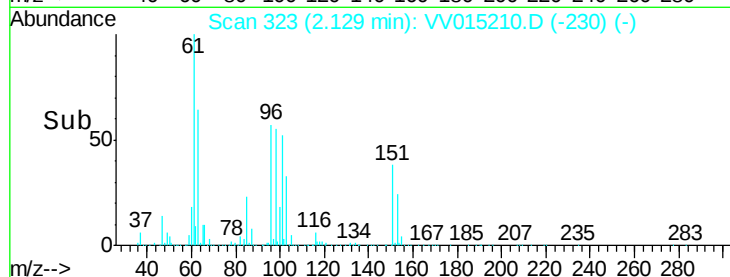
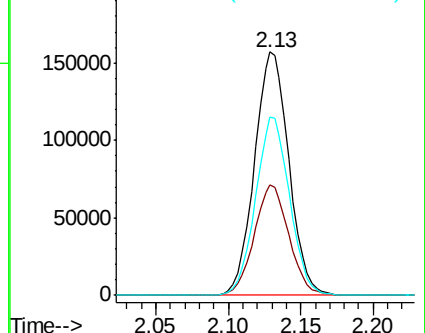
151 72.7 57.7 86.5



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: 45.895 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

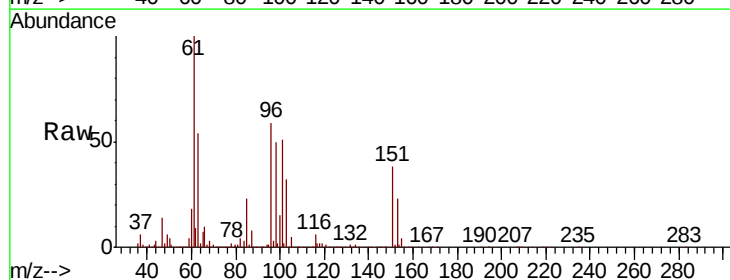
Tgt Ion: 96 Resp: 251667

Ion Ratio Lower Upper

96 100

61 170.6 122.3 227.1

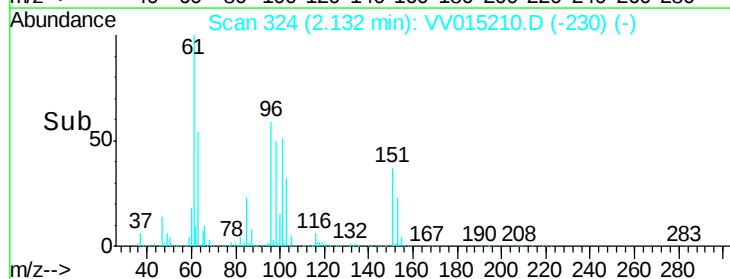
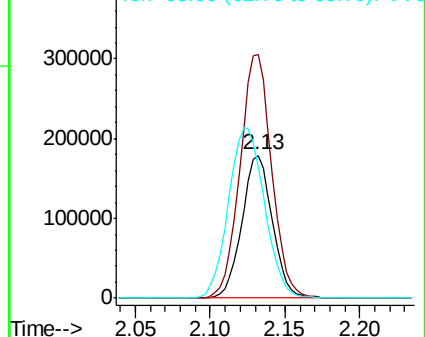
63 91.7 67.9 126.1

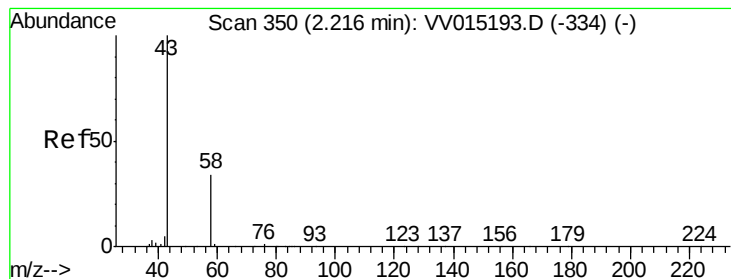


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 82.688 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.25 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

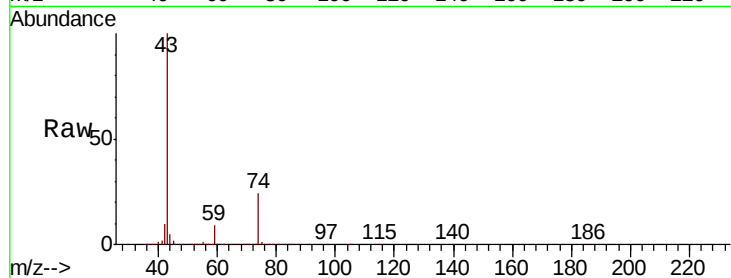
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 207717

Ion Ratio Lower Upper

43 100

58 0.1 0.0 0.2



Abundance Ion 43.00 (42.70 to 43.70): VV015210.D (-257) (-)

Ion 58.00 (57.70 to 58.70): VV015210.D (-257) (-)

2.46

100000

80000

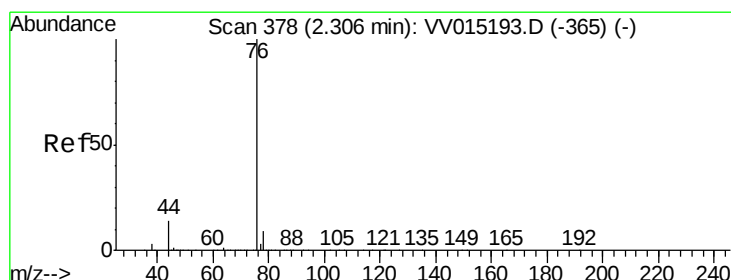
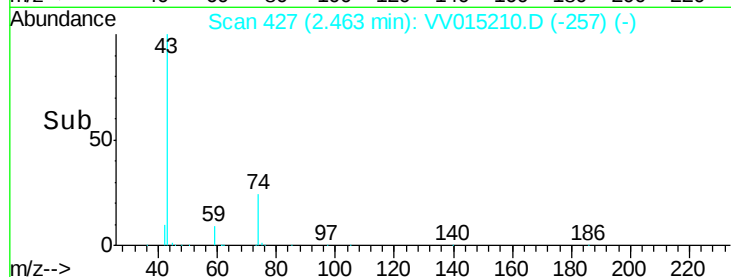
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 44.279 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015210.D

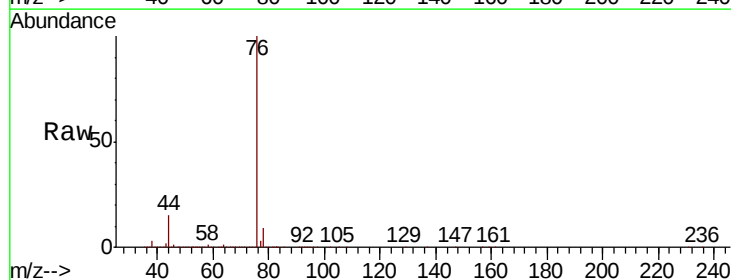
Acq: 27 Mar 2020 13:48

Tgt Ion: 76 Resp: 622656

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV015210.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV015210.D (-285) (-)

2.31

500000

400000

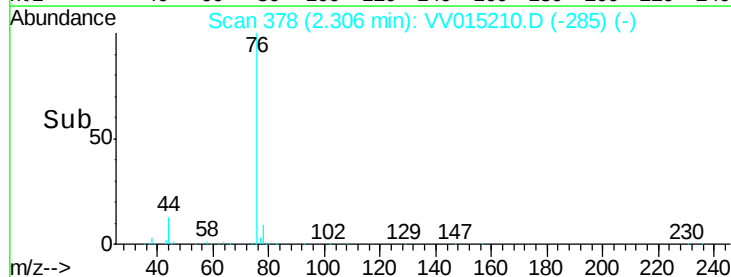
300000

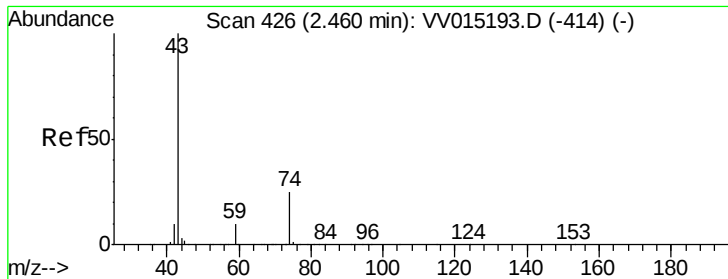
200000

100000

0

Time-->





#15

Methvl Acetate

Concen: 43.959 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :

MSVOA_V

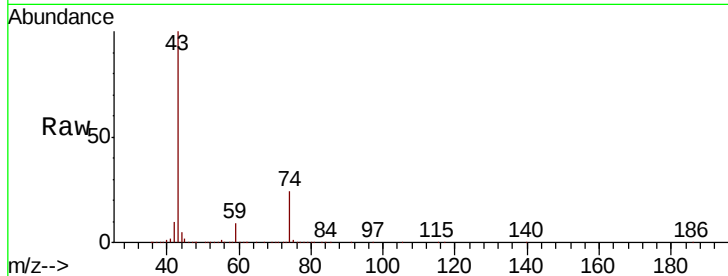
ClientSampled :

Tot Ion: 43 Resp: 228610

Ion Ratio Lower Upper

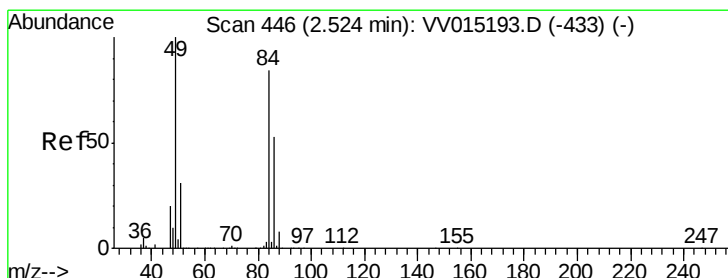
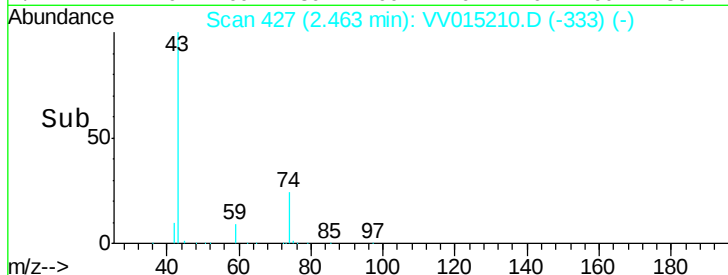
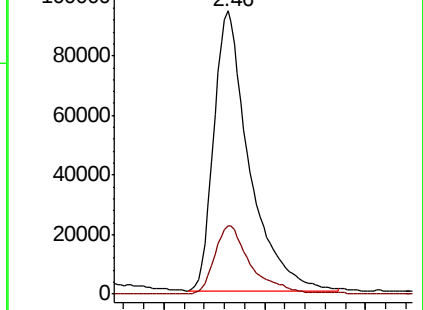
43 100

74 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VV015210.D (-333) (-)

Ion 74.00 (73.70 to 74.70): VV015210.D (-333) (-)



#16

Methylene chloride

Concen: 46.060 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

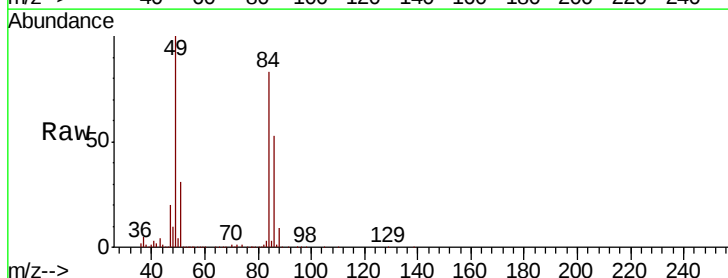
Tgt Ion: 84 Resp: 235769

Ion Ratio Lower Upper

84 100

86 64.1 45.1 83.9

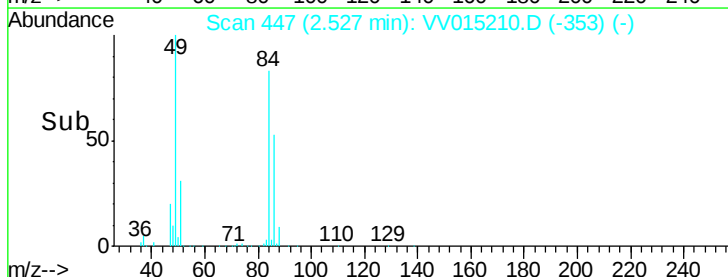
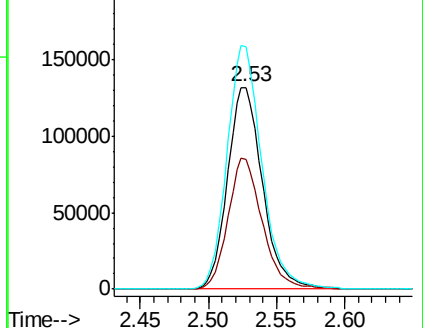
49 119.9 84.2 156.4

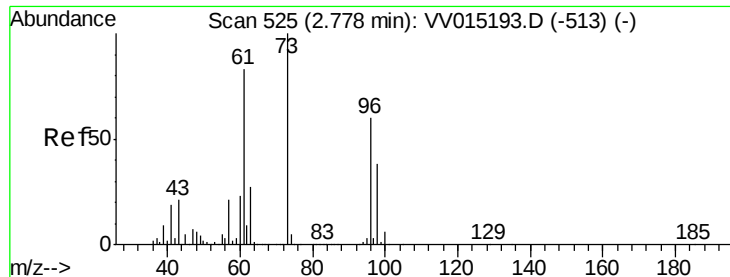


Abundance Ion 84.00 (83.70 to 84.70): VV015210.D (-353) (-)

Ion 86.00 (85.70 to 86.70): VV015210.D (-353) (-)

Ion 49.00 (48.70 to 49.70): VV015210.D (-353) (-)





#17

trans-1,2-Dichloroethene

Concen: 44.711 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :
MSVOA_V
ClientSampled :

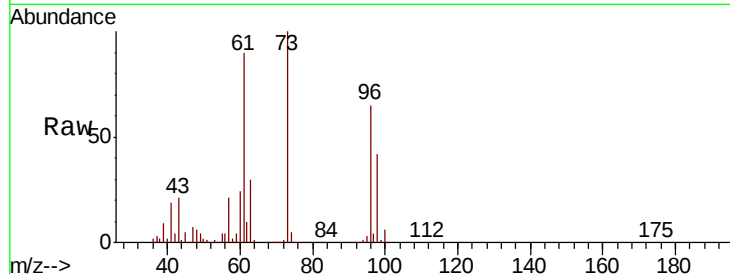
Tot Ion: 96 Resp: 213075

Ion Ratio Lower Upper

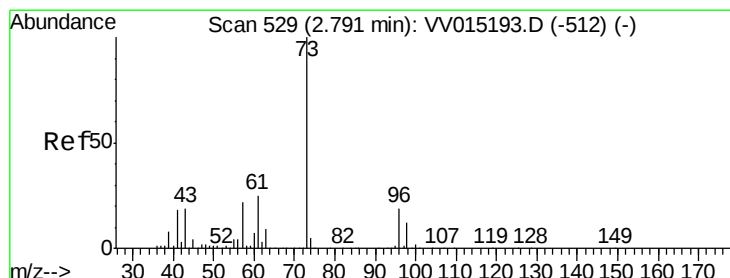
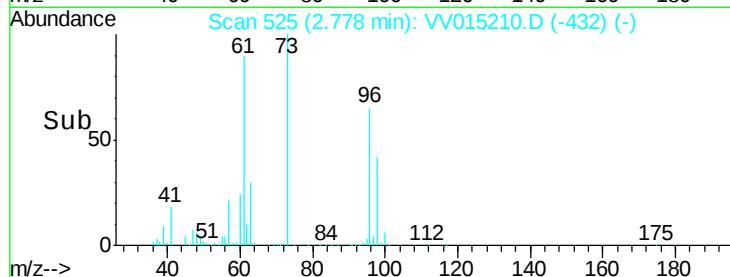
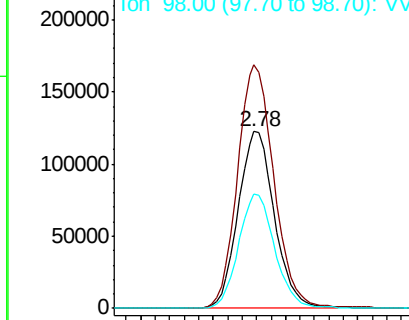
96 100

61 137.6 96.4 179.0

98 64.4 43.8 81.4



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: 44.892 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

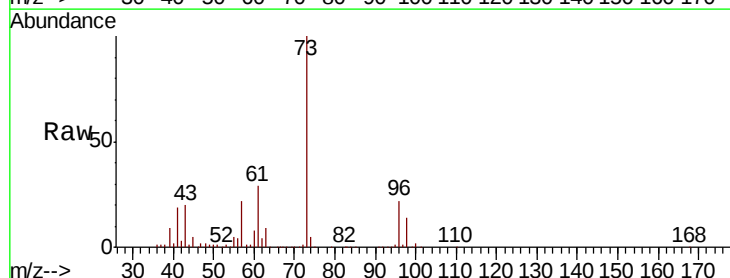
Tgt Ion: 73 Resp: 721043

Ion Ratio Lower Upper

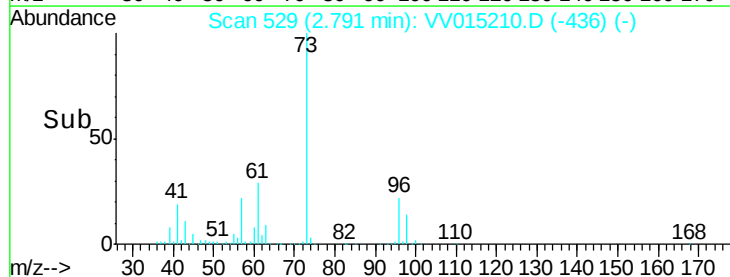
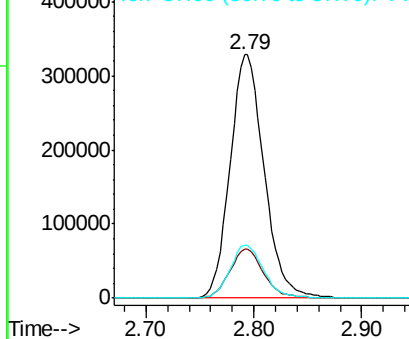
73 100

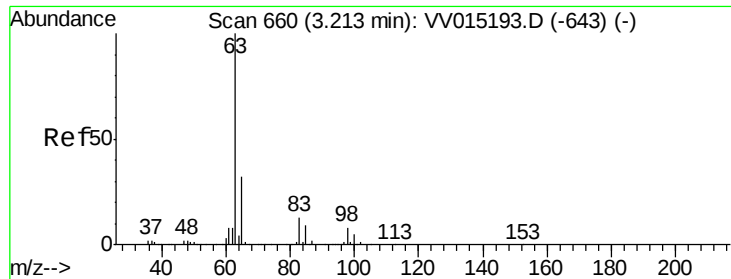
43 19.6 15.8 23.6

57 21.4 17.1 25.7



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: 45.582 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

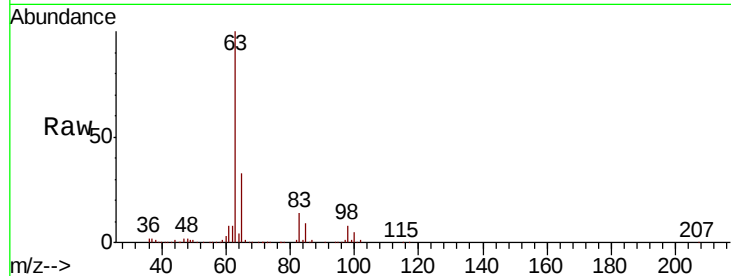
Tot Ion: 63 Resp: 401244

Ion Ratio Lower Upper

63 100

65 32.6 22.2 41.2

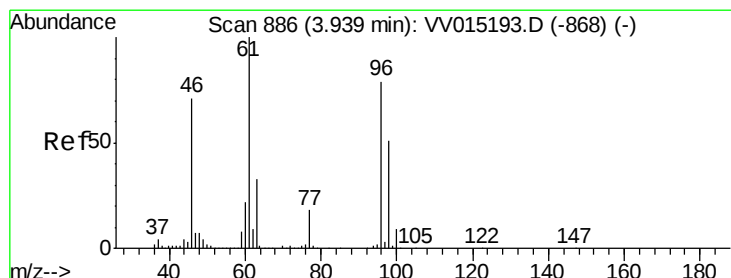
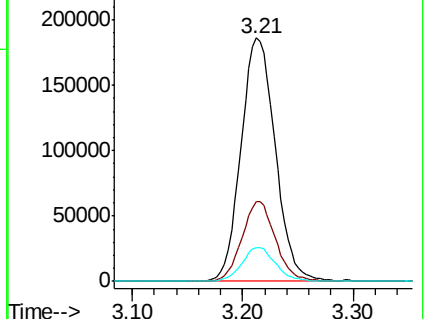
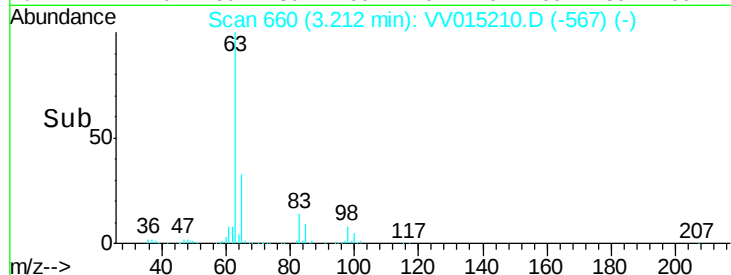
83 14.0 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV015210.D (-567) (-)

Ion 65.00 (64.70 to 65.70): VV015210.D (-567) (-)

Ion 83.00 (82.70 to 83.70): VV015210.D (-567) (-)



#20

cis-1,2-Dichloroethene

Concen: 45.795 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

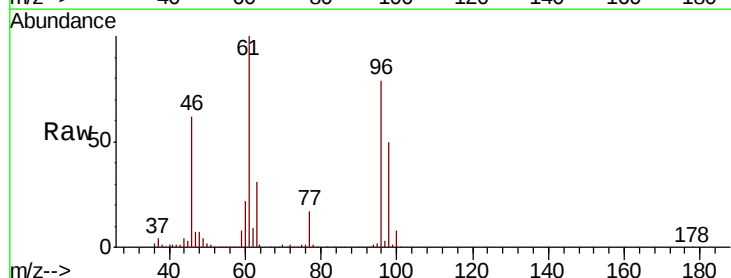
Tgt Ion: 96 Resp: 243108

Ion Ratio Lower Upper

96 100

61 127.2 90.2 167.4

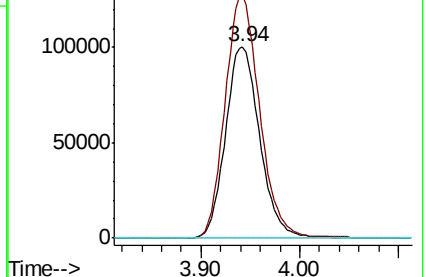
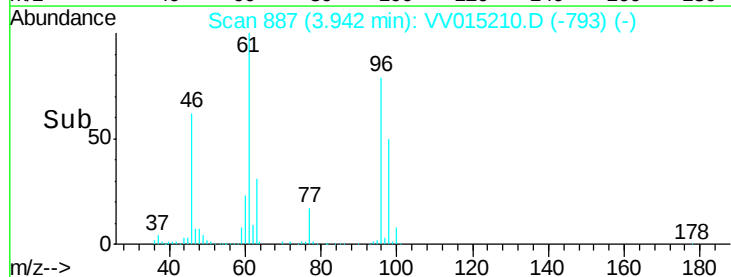
68 0.0 0.1 0.3#

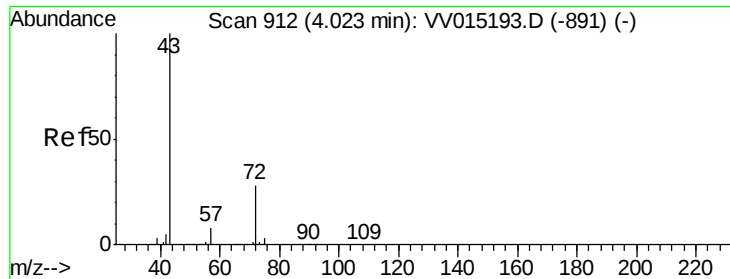


Abundance Ion 96.00 (95.70 to 96.70): VV015210.D (-793) (-)

Ion 61.00 (60.70 to 61.70): VV015210.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV015210.D (-793) (-)





#22

2-Butanone

Concen: 83.144 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

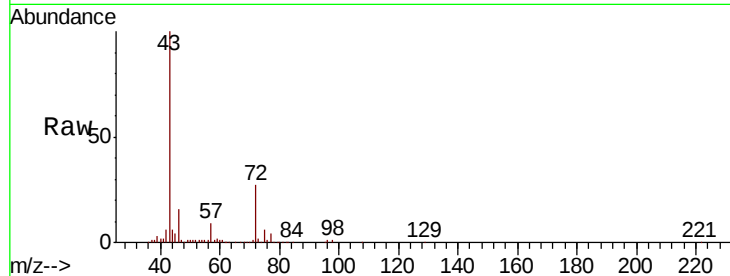
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 328585

Ion Ratio Lower Upper

43 100

72 23.1 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV015210.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV015210.D (-891) (-)

4.02

80000

60000

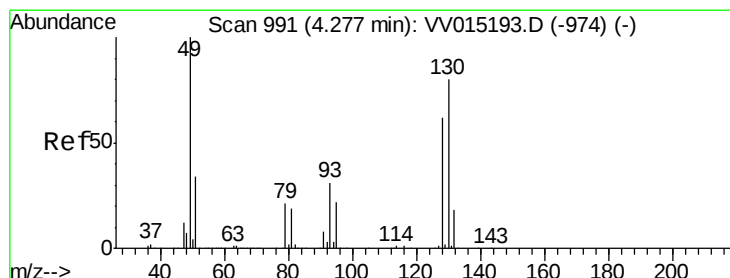
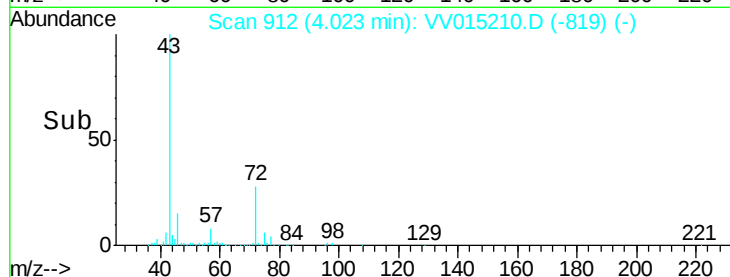
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 45.888 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Tgt Ion:128 Resp: 117852

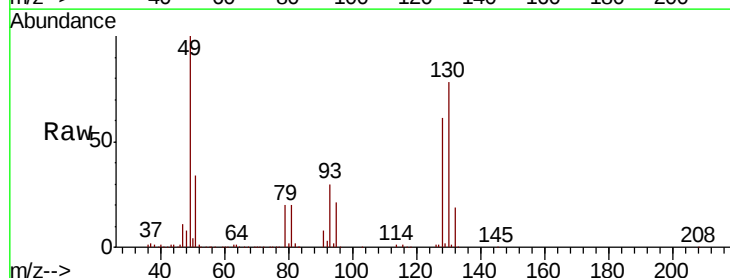
Ion Ratio Lower Upper

128 100

49 162.8 116.5 216.3

130 127.4 91.4 169.8

51 54.6 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): VV015210.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV015210.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV015210.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV015210.D (-898) (-)

120000

100000

80000

60000

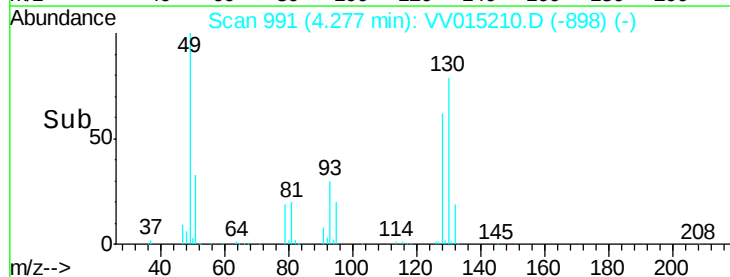
40000

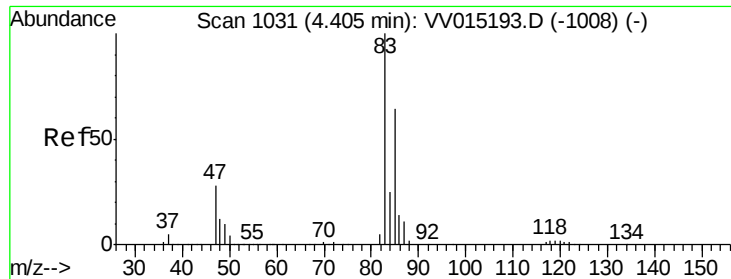
20000

0

Time-->

4.20 4.25 4.30 4.35 4.40





#25

Chloroform

Concen: 46.749 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

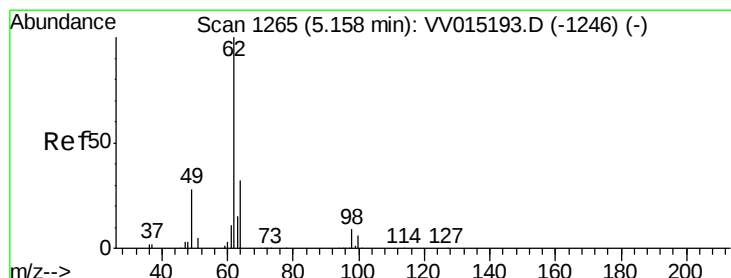
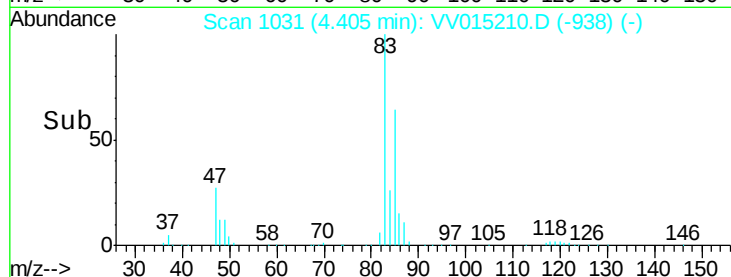
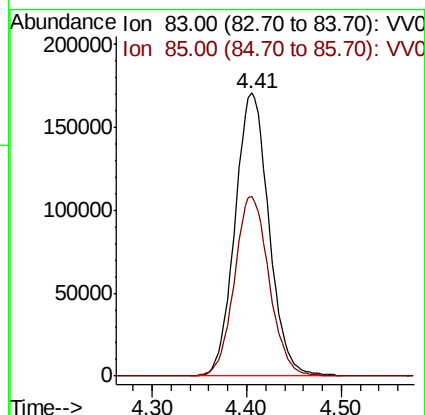
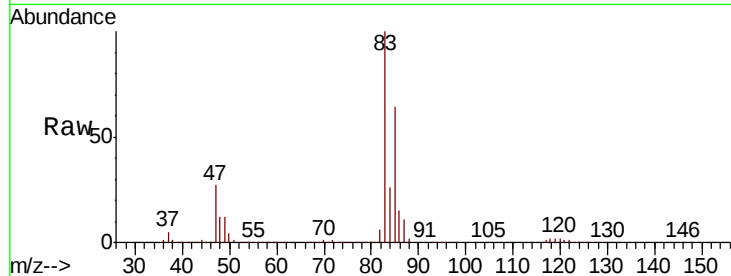
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 423950

Ion Ratio Lower Upper

83 100

85 63.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 46.309 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VV015210.D

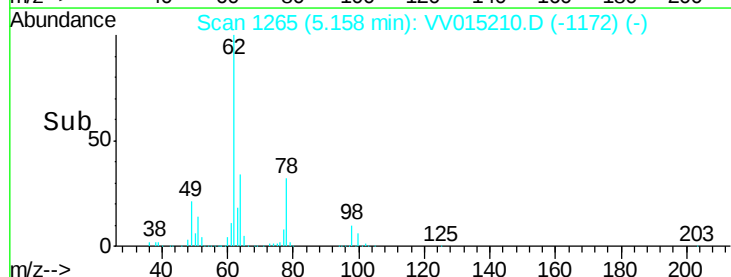
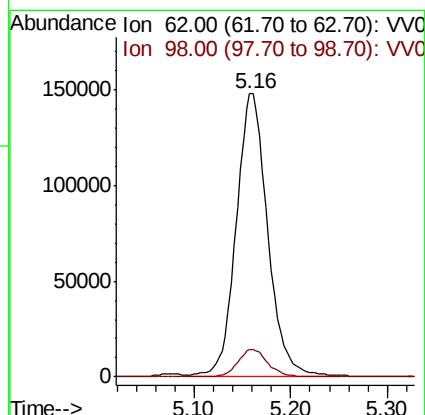
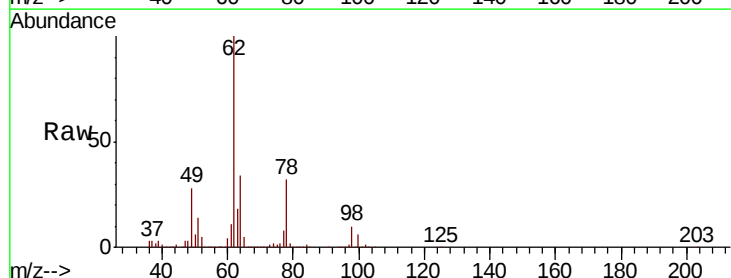
Acq: 27 Mar 2020 13:48

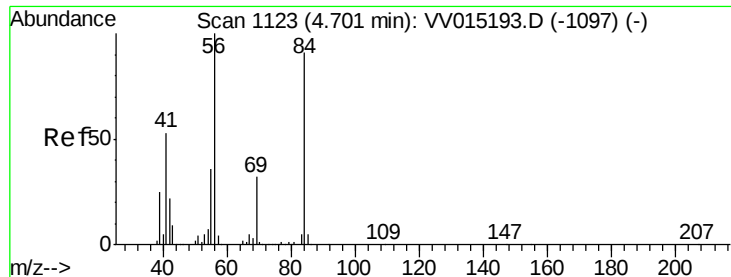
Tgt Ion: 62 Resp: 332950

Ion Ratio Lower Upper

62 100

98 9.6 7.4 11.2

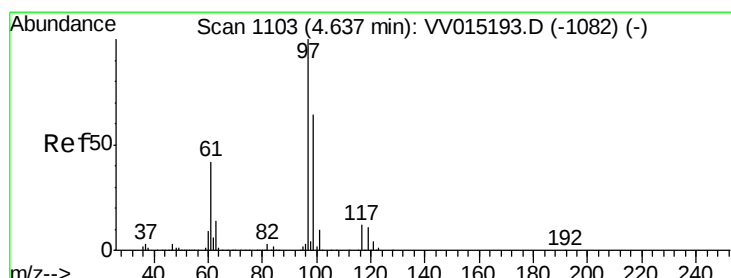
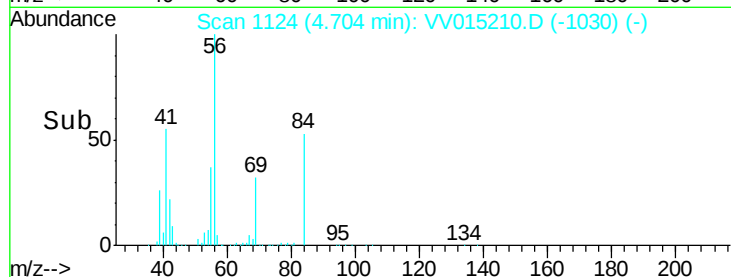
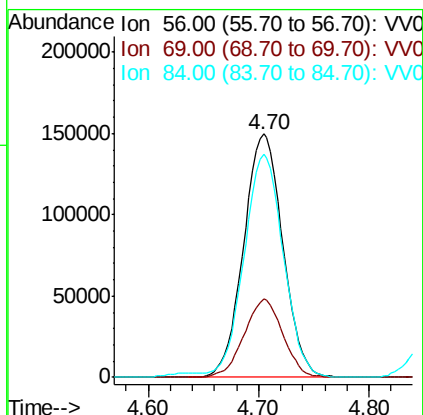
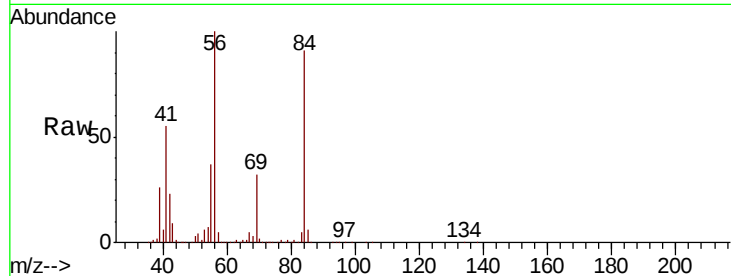




#29
Cyclohexane
Concen: 44.480 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015210.D
Acq: 27 Mar 2020 13:48

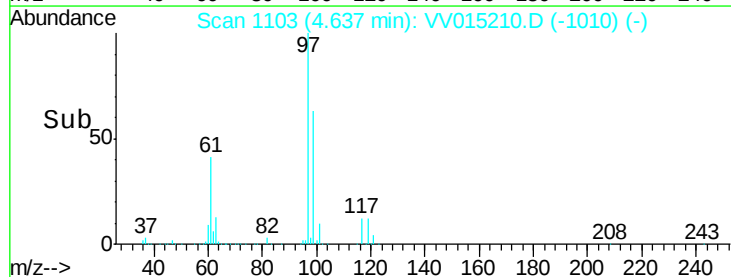
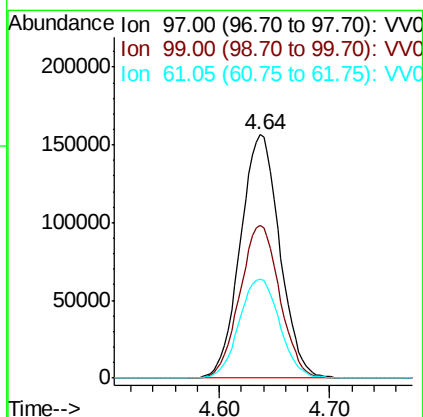
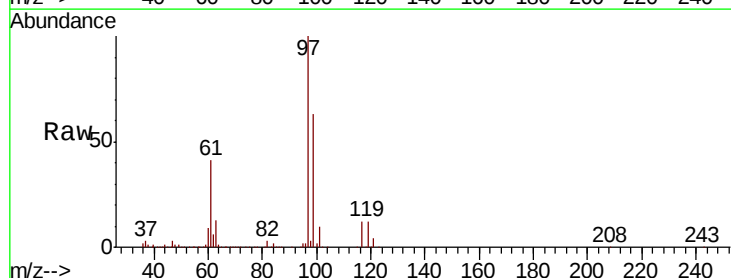
Instrument :
MSVOA_V
ClientSampleId :

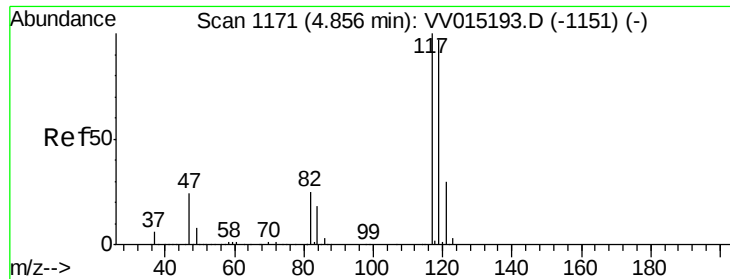
Tot Ion: 56 Resp: 366701
Ion Ratio Lower Upper
56 100
69 31.9 25.5 38.3
84 91.8 73.3 109.9



#30
1,1,1-Trichloroethane
Concen: 45.392 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV015210.D
Acq: 27 Mar 2020 13:48

Tgt Ion: 97 Resp: 387200
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.6
61 42.0 33.8 50.6

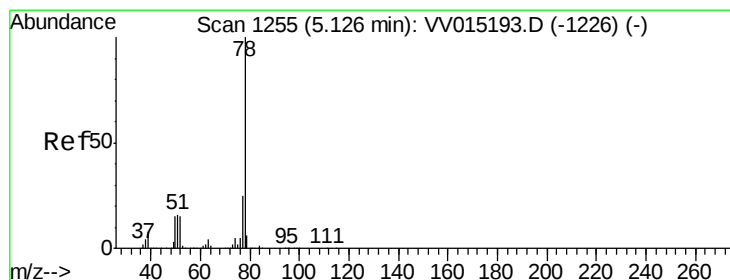
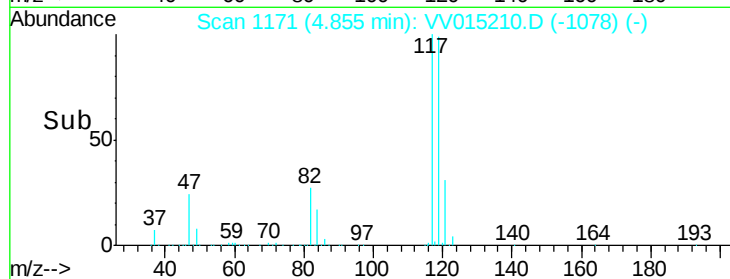
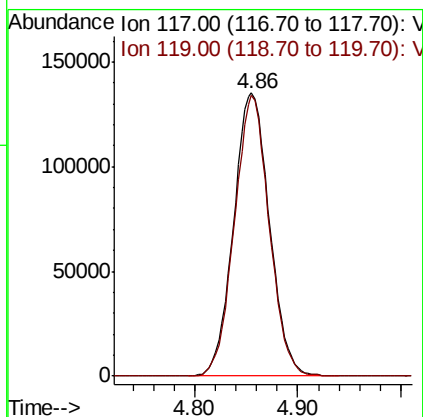
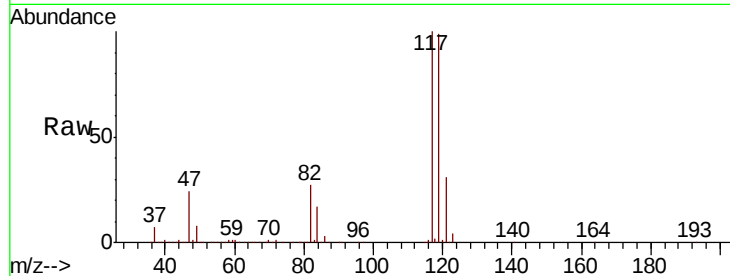




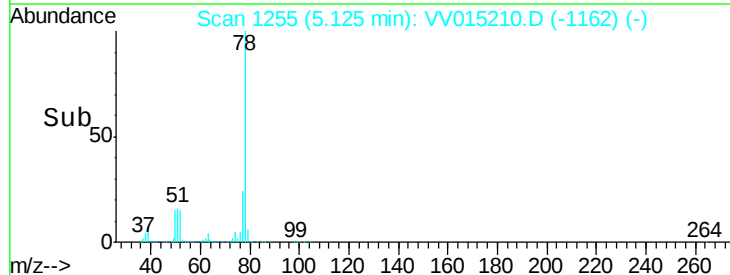
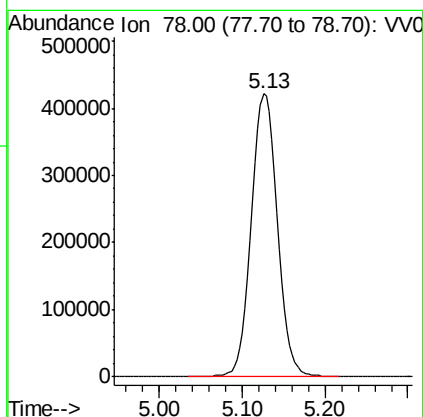
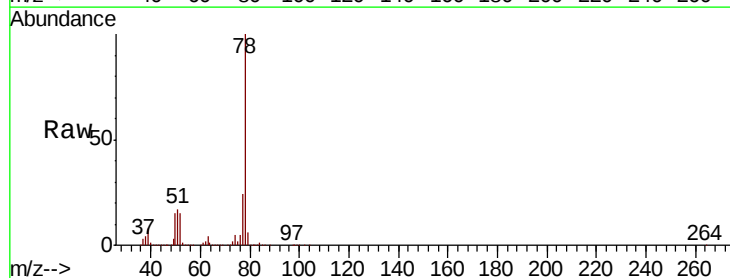
#31
Carbon tetrachloride
Concen: 45.551 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VV015210.D
Acq: 27 Mar 2020 13:48

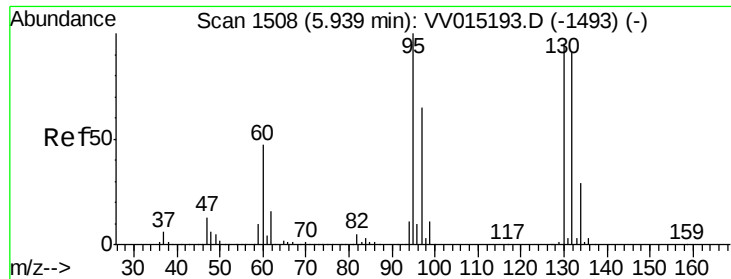
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 326609
Ion Ratio Lower Upper
117 100
119 95.7 76.6 115.0



#33
Benzene
Concen: 45.951 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV015210.D
Acq: 27 Mar 2020 13:48
Tgt Ion: 78 Resp: 921495

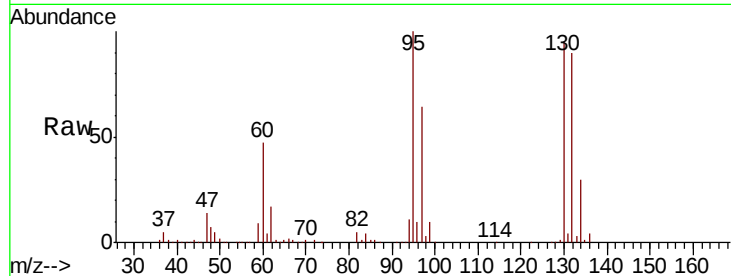




#34
 Trichloroethene
 Concen: 46.253 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV015210.D
 Acq: 27 Mar 2020 13:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	95	Resp	241628
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.8	83.2
132	89.8	63.2	117.4
130	95.4	66.8	124.0



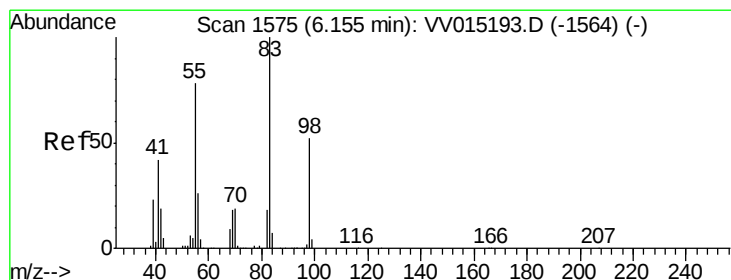
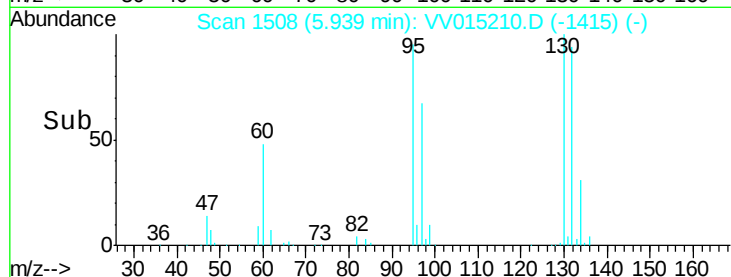
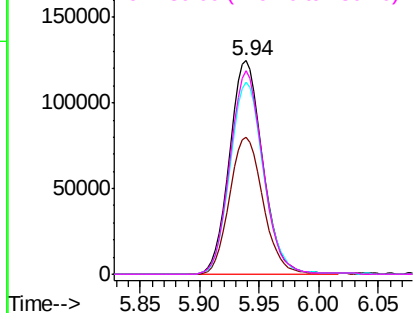
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

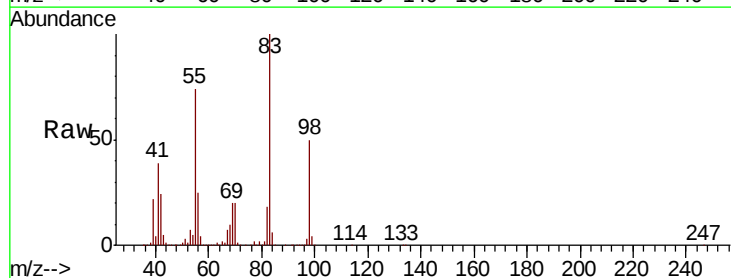
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 44.762 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015210.D
 Acq: 27 Mar 2020 13:48

Tgt Ion	83	Resp	388591
Ion	Ratio	Lower	Upper
83	100		
55	73.8	58.8	88.2
98	48.7	38.8	58.2

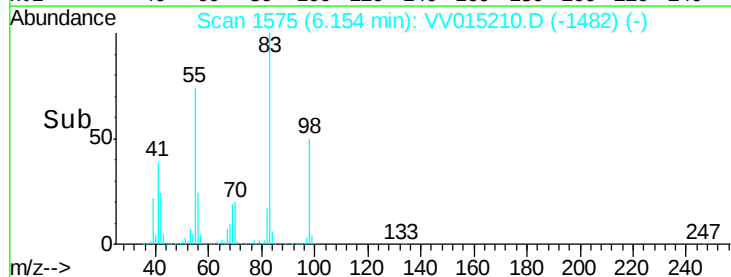
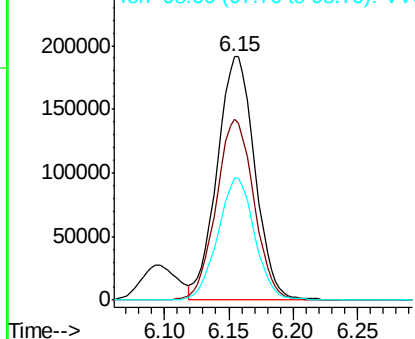


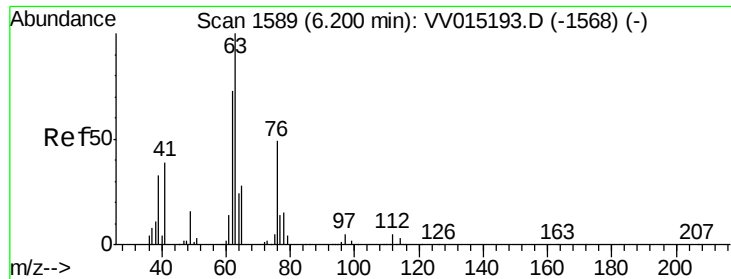
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

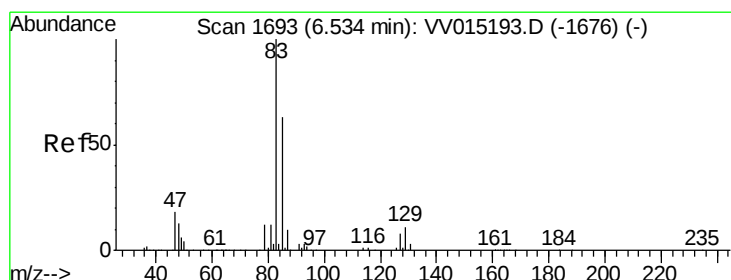
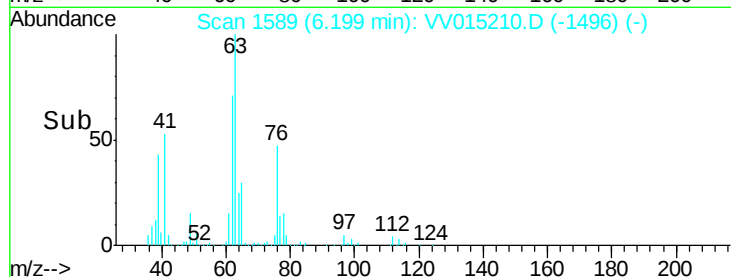
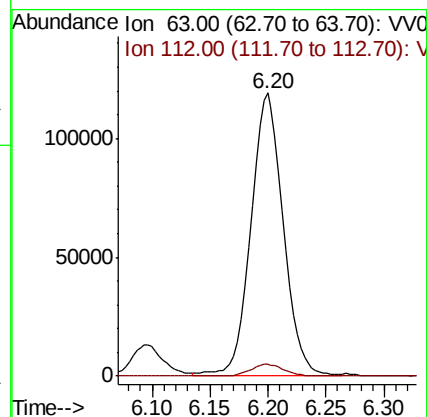
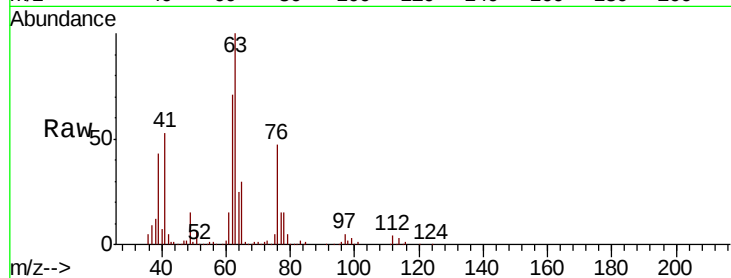




#37
 1,2-Dichloropropane
 Concen: 45.233 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV015210.D
 Acq: 27 Mar 2020 13:48

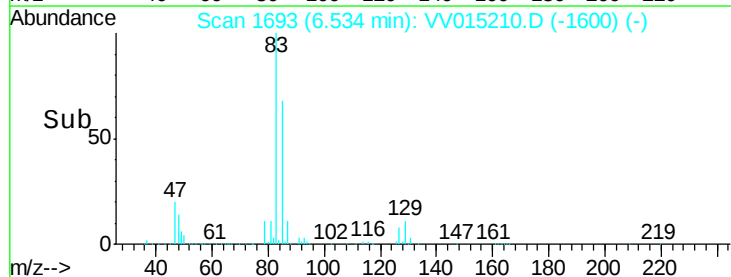
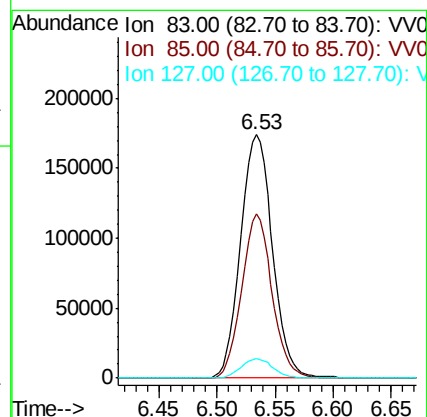
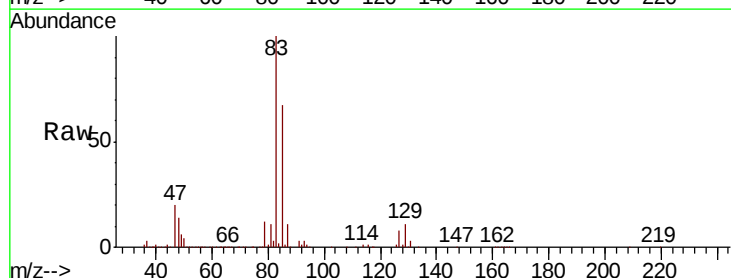
Instrument :
 MSVOA_V
 ClientSampled :

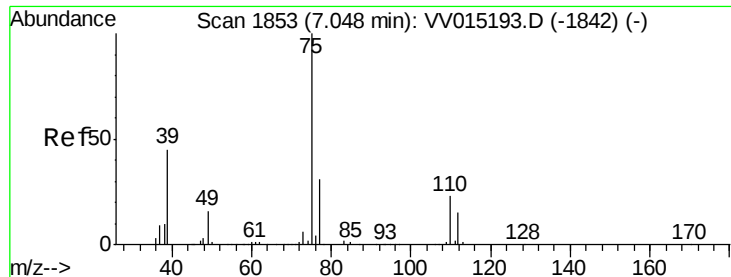
Tot Ion: 63 Resp: 231923
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 45.625 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015210.D
 Acq: 27 Mar 2020 13:48

Tgt Ion: 83 Resp: 331531
 Ion Ratio Lower Upper
 83 100
 85 67.4 45.3 84.1
 127 7.8 6.6 10.0

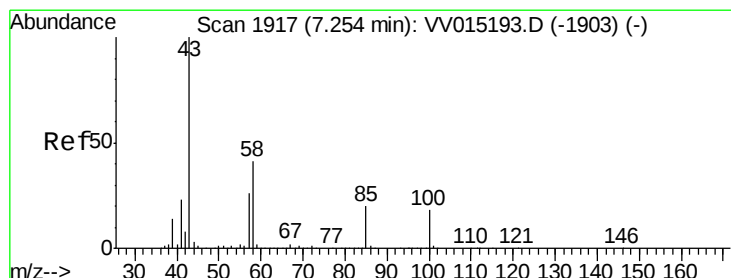
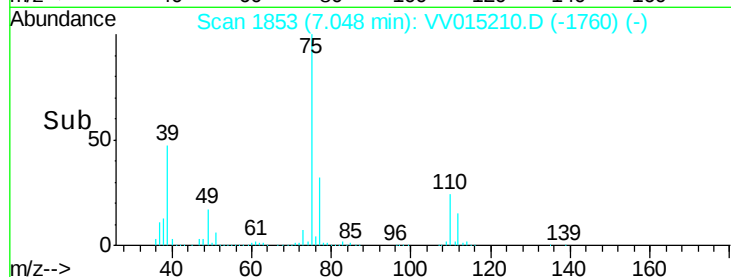
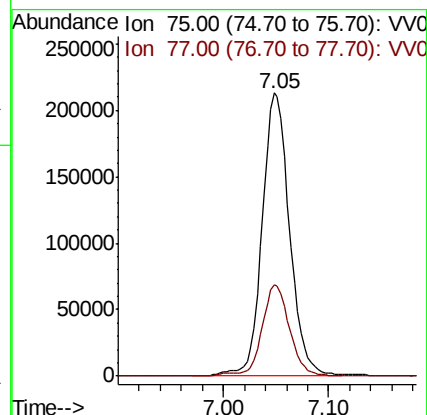
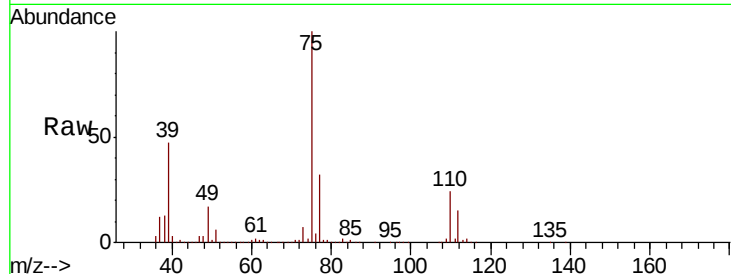




#39
 cis-1,3-Dichloropropene
 Concen: 45.222 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015210.D
 Acq: 27 Mar 2020 13:48

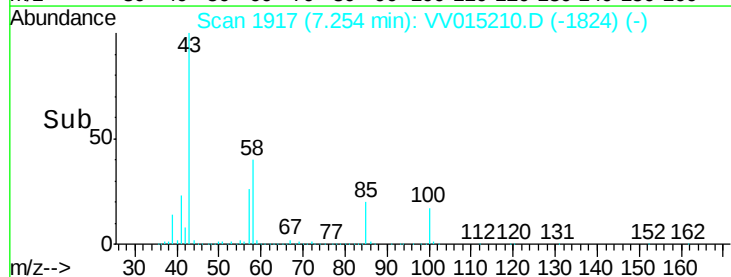
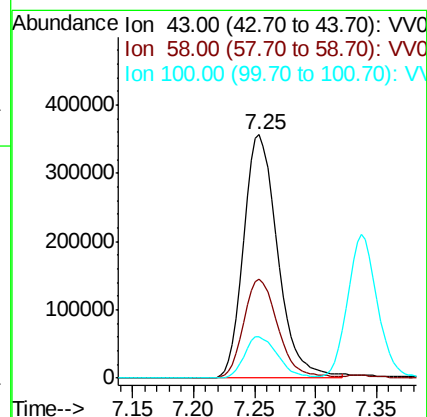
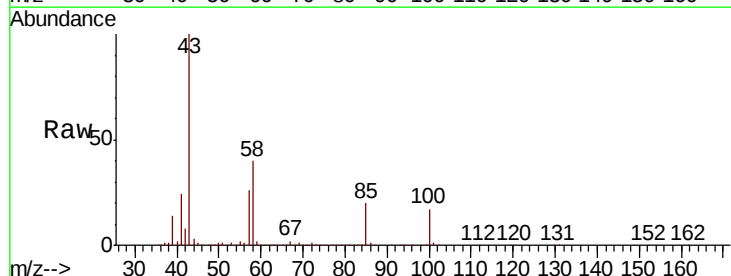
Instrument :
 MSVOA_V
 ClientSampled :

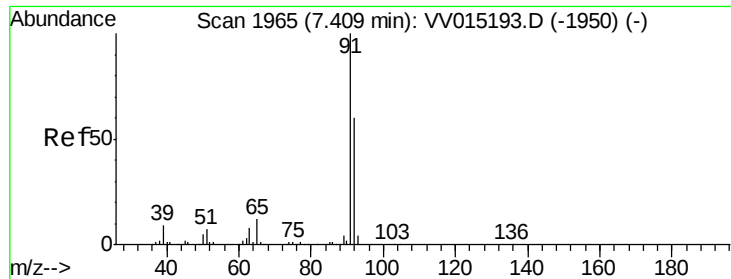
Tot Ion: 75 Resp: 387570
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 88.717 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VV015210.D
 Acq: 27 Mar 2020 13:48

Tgt Ion: 43 Resp: 685973
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.5 48.7
 100 16.8 13.4 20.2





#42

Toluene

Concen: 45.923 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

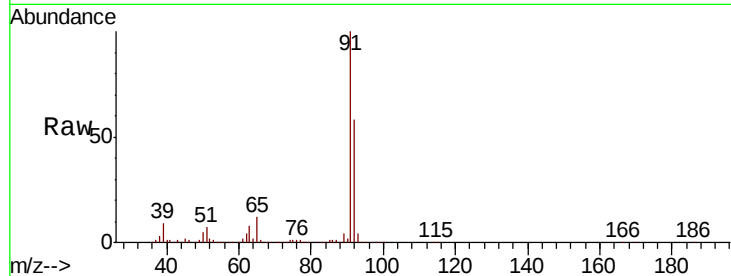
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1027419

Ion Ratio Lower Upper

91 100

92 58.1 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

600000

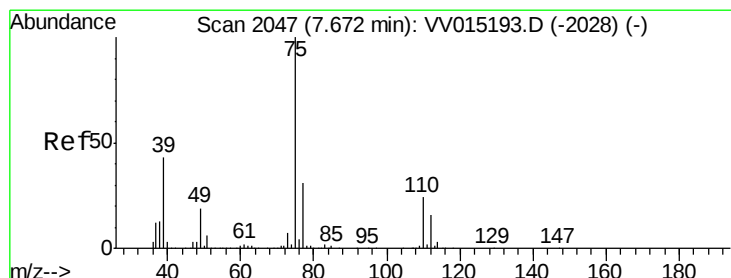
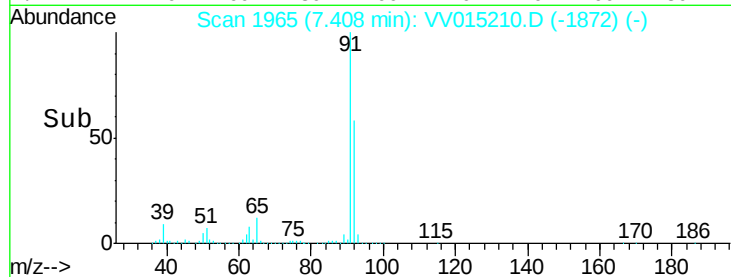
400000

200000

0

7.30 7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 45.144 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015210.D

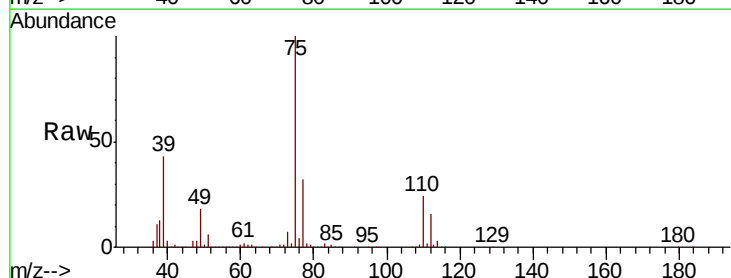
Acq: 27 Mar 2020 13:48

Tgt Ion: 75 Resp: 377740

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

250000

200000

150000

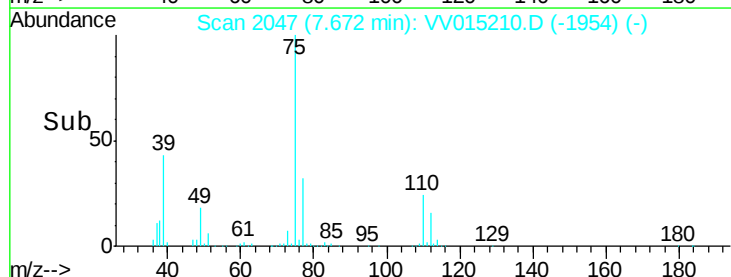
100000

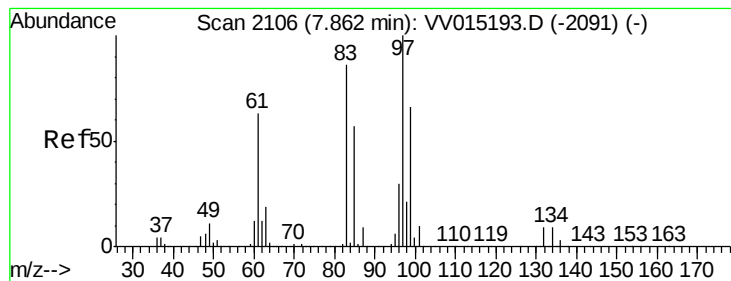
50000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#45

1,1,2-Trichloroethane

Concen: 46.257 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 232171

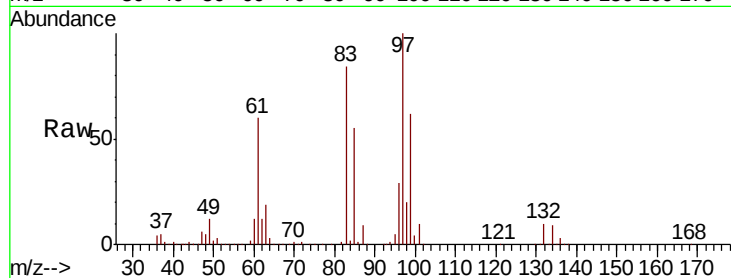
Ion Ratio Lower Upper

97 100

99 62.4 44.3 82.3

83 83.8 60.5 112.5

85 54.7 39.1 72.5



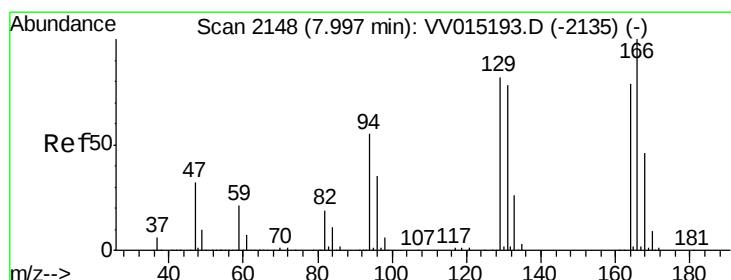
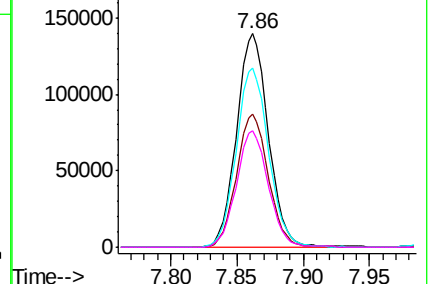
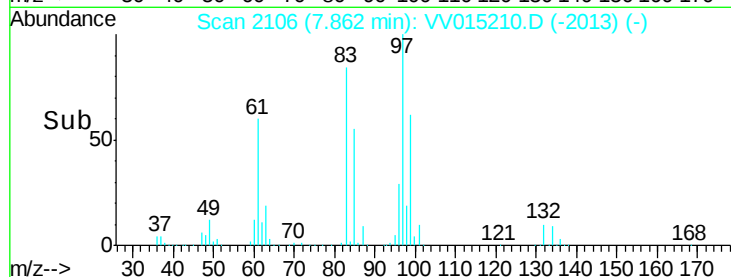
Abundance

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: 45.834 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Tgt Ion: 164 Resp: 160908

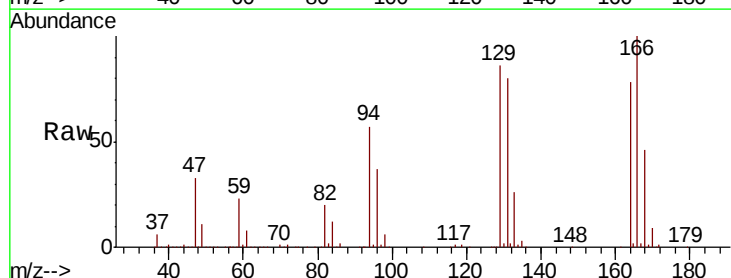
Ion Ratio Lower Upper

164 100

129 109.6 72.7 135.1

131 102.5 71.6 133.0

166 127.4 88.8 165.0



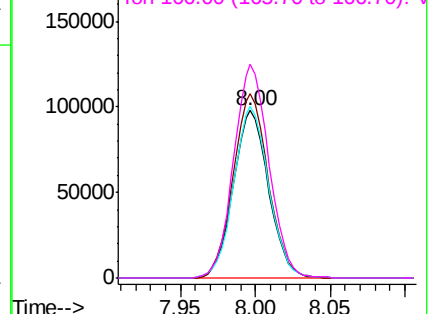
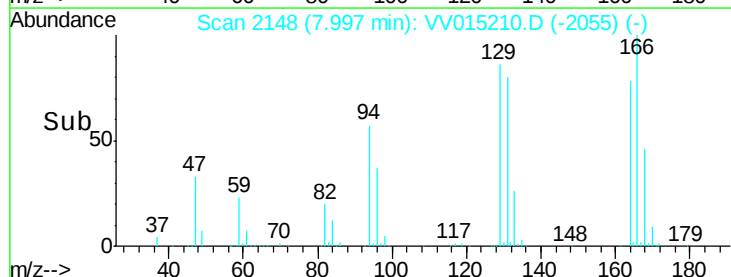
Abundance

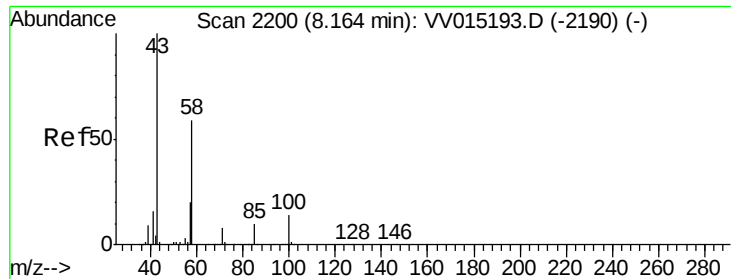
Ion 164.00 (163.70 to 164.70): V

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

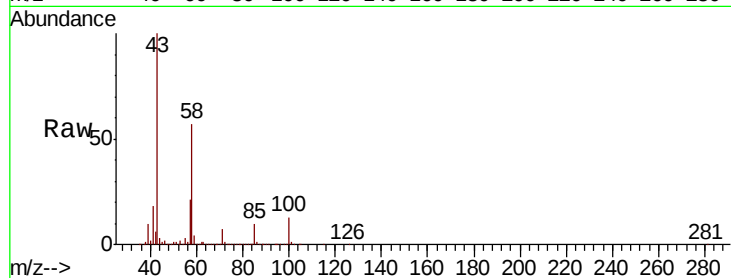




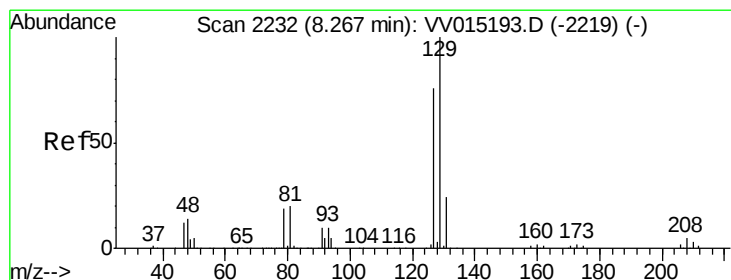
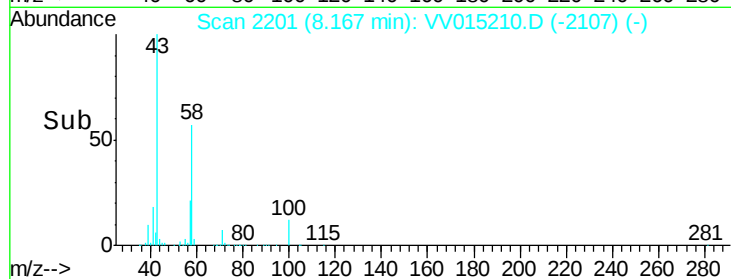
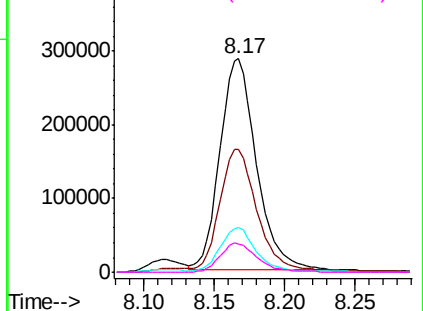
#48
2-Hexanone
Concen: 84.630 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015210.D
Acq: 27 Mar 2020 13:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	516737
Ion	Ratio	Lower	Upper
43	100		
58	59.4	44.3	66.5
57	20.2	15.4	23.0
100	14.2	10.4	15.6

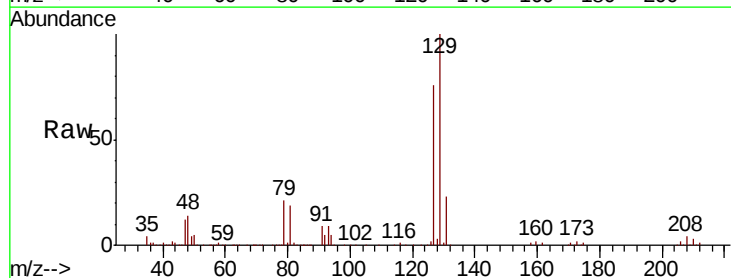


Abundance Ion 43.00 (42.70 to 43.70): VV015210.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015210.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015210.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015210.D (-2107) (-)

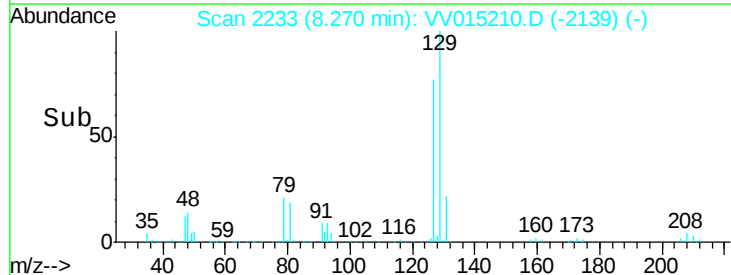
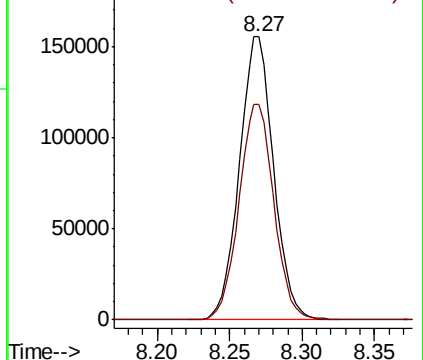


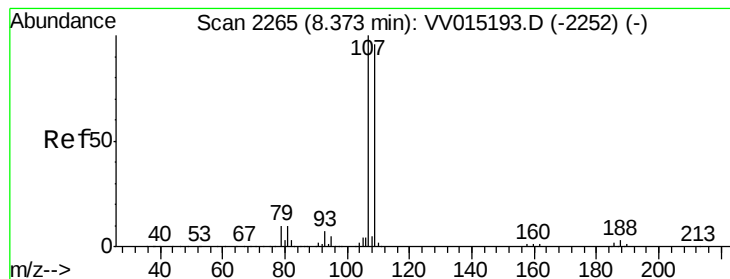
#49
Dibromochloromethane
Concen: 46.160 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015210.D
Acq: 27 Mar 2020 13:48

Tgt Ion:	129	Resp:	255271
Ion	Ratio	Lower	Upper
129	100		
127	76.0	52.4	97.4



Abundance Ion 129.00 (128.70 to 129.70): VV015210.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015210.D (-2139) (-)





#50

1,2-Dibromoethane

Concen: 45.964 ug/L

RT: 8.37 min Scan# 2265

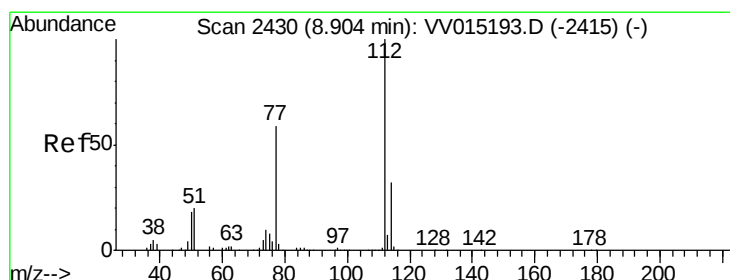
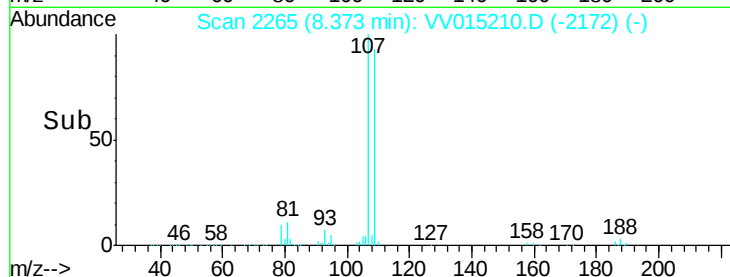
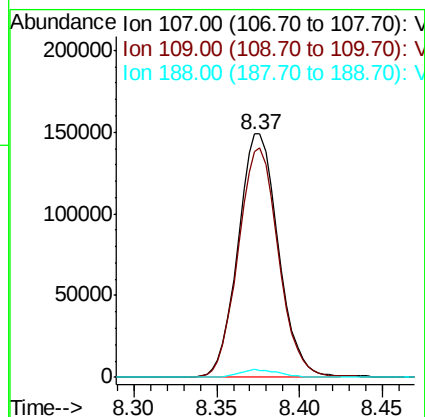
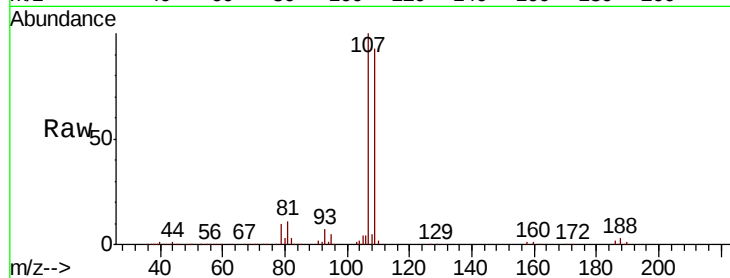
Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107	Resp:	251116
Ion Ratio	Lower	Upper
107	100	
109	92.7	64.5 119.9
188	3.3	2.5 3.7



#51

Chlorobenzene

Concen: 45.662 ug/L

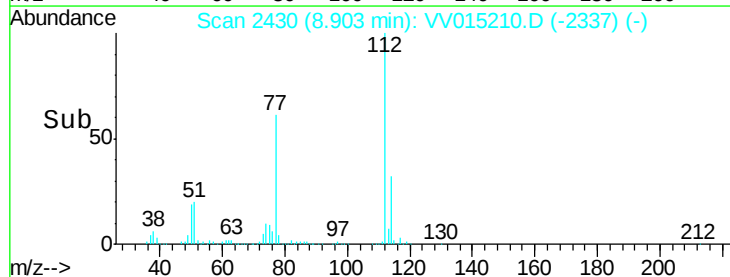
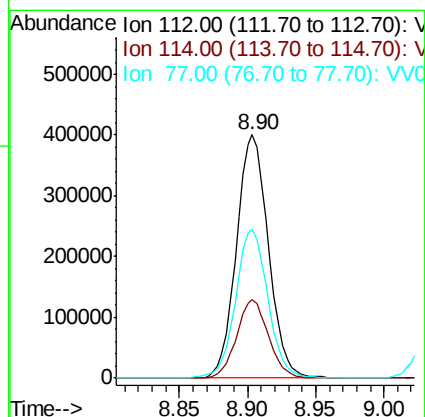
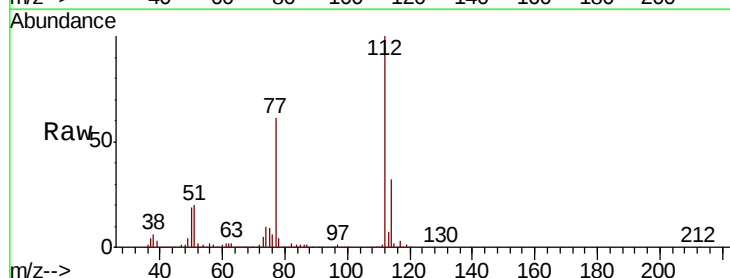
RT: 8.90 min Scan# 2430

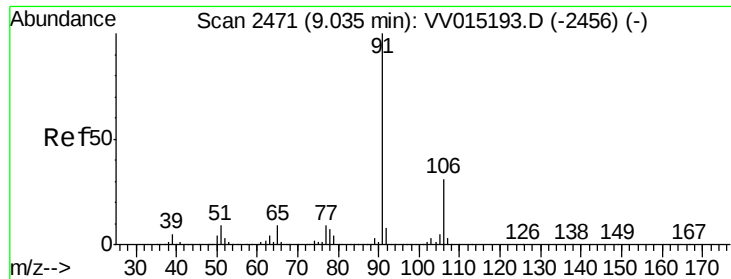
Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Tgt Ion:112	Resp:	652530
Ion Ratio	Lower	Upper
112	100	
114	32.5	22.1 41.1
77	61.0	47.3 70.9





#52

Ethylbenzene

Concen: 46.044 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :

MSVOA_V

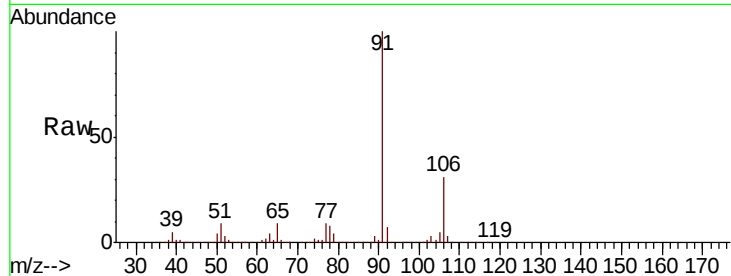
ClientSampleId :

Tot Ion: 91 Resp: 1160624

Ion Ratio Lower Upper

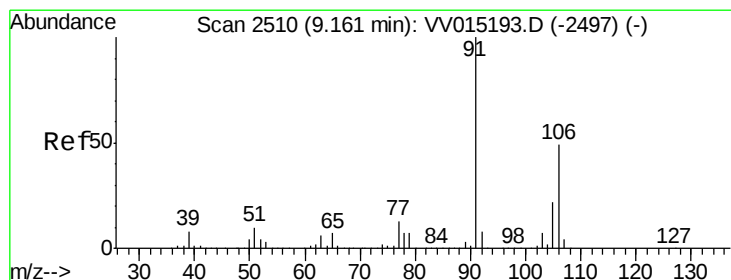
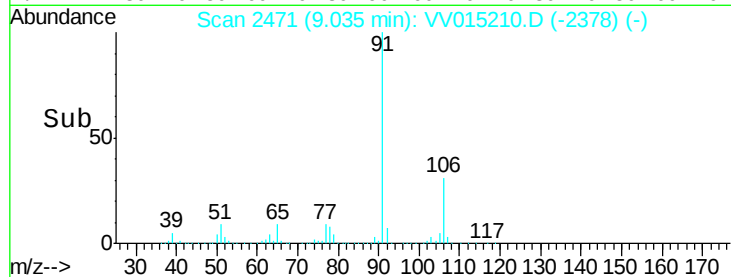
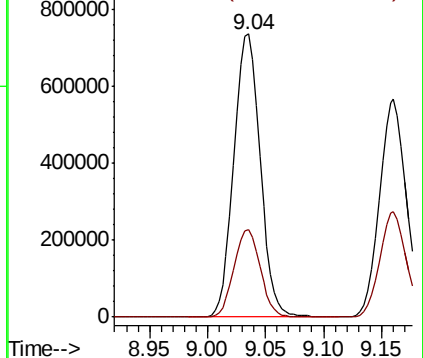
91 100

106 30.8 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 46.379 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015210.D

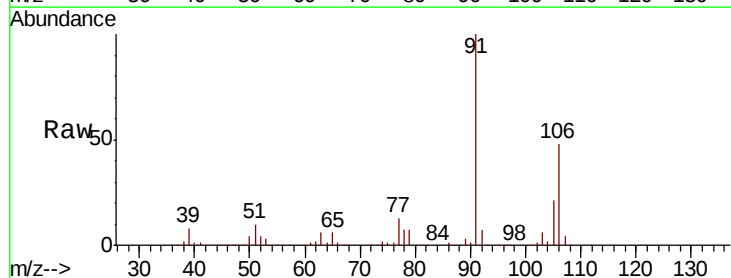
Acq: 27 Mar 2020 13:48

Tgt Ion: 106 Resp: 445999

Ion Ratio Lower Upper

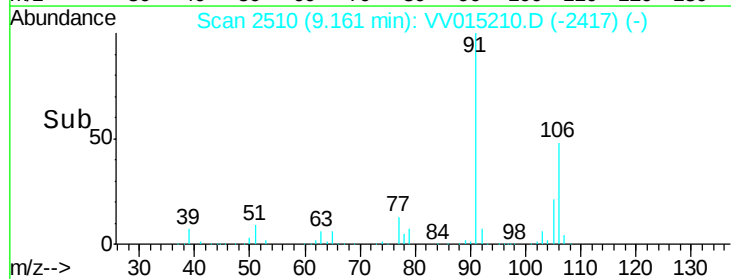
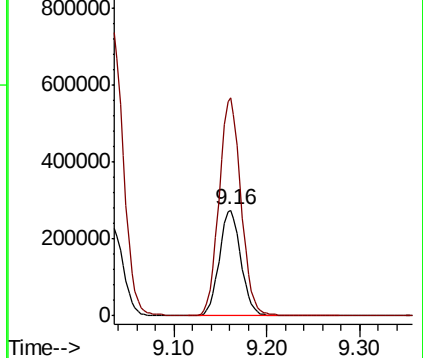
106 100

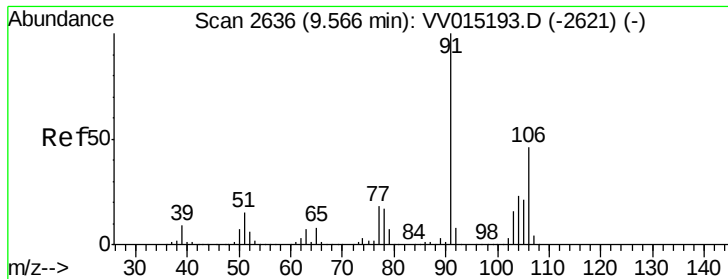
91 206.5 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

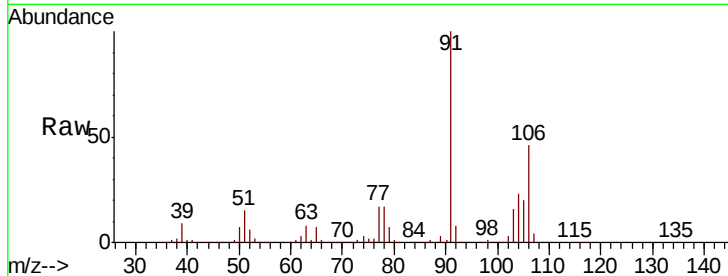




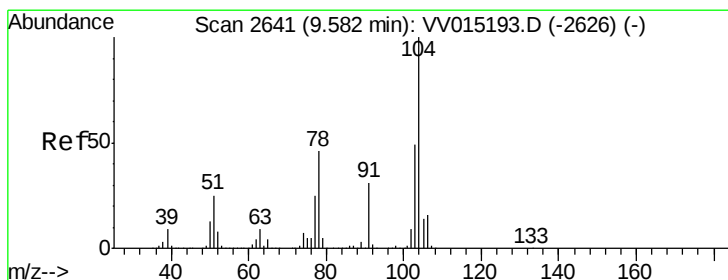
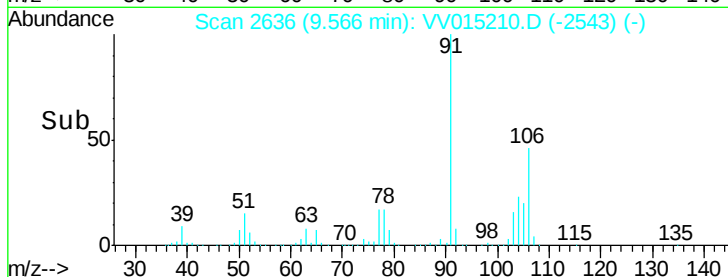
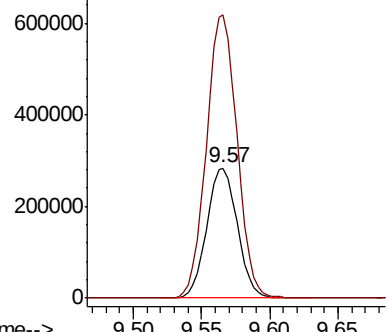
#54
o-xylene
Concen: 45.789 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV015210.D
Acq: 27 Mar 2020 13:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 442273
Ion Ratio Lower Upper
106 100
91 218.0 152.2 282.6

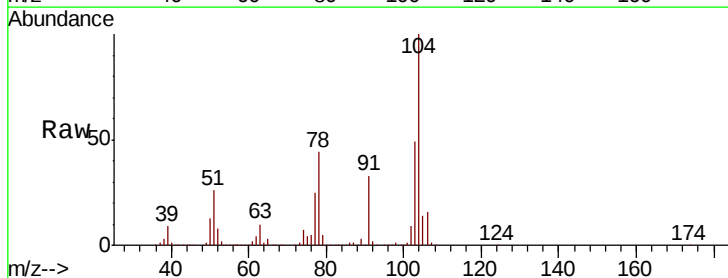


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

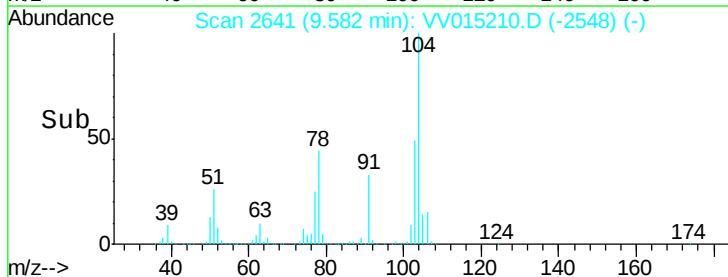
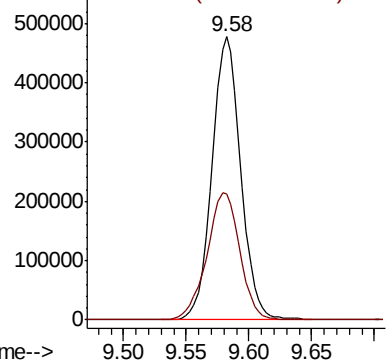


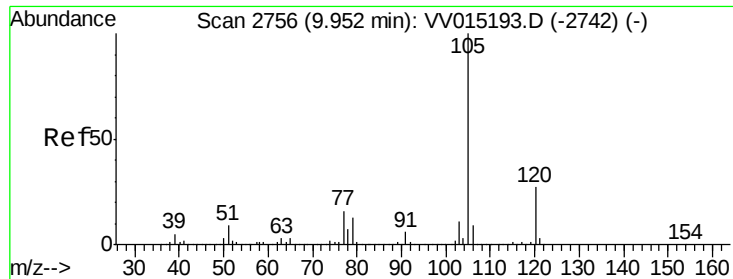
#55
Styrene
Concen: 46.486 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV015210.D
Acq: 27 Mar 2020 13:48

Tgt Ion:104 Resp: 759665
Ion Ratio Lower Upper
104 100
78 44.5 31.6 58.8



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





#56

Isopropylbenzene

Concen: 46.718 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

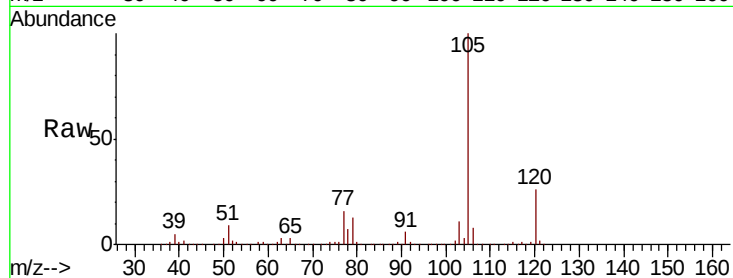
Tot Ion:105 Resp: 1158507

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

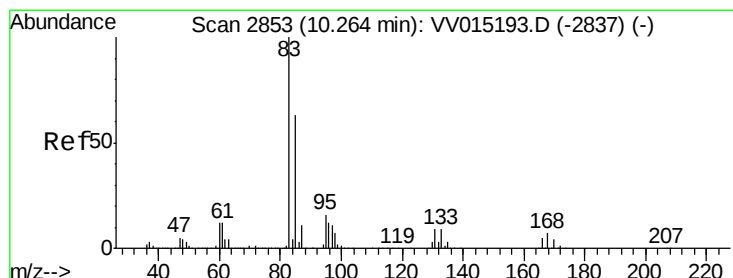
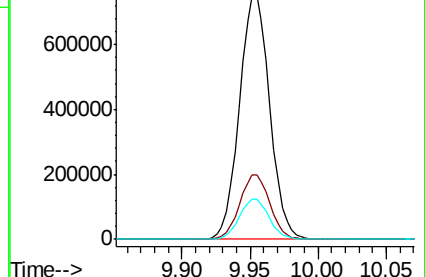
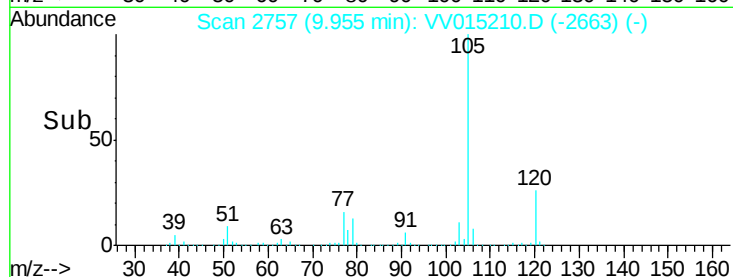
77 16.1 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): VV015210.D (-2663) (-)

Ion 120.00 (119.70 to 120.70): VV015210.D (-2663) (-)

Ion 77.00 (76.70 to 77.70): VV015210.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 44.254 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

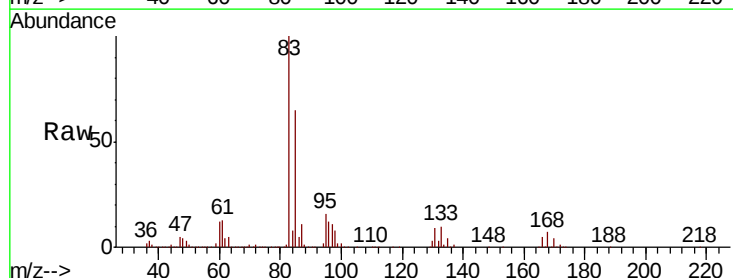
Tgt Ion: 83 Resp: 374402

Ion Ratio Lower Upper

83 100

85 64.8 43.7 81.1

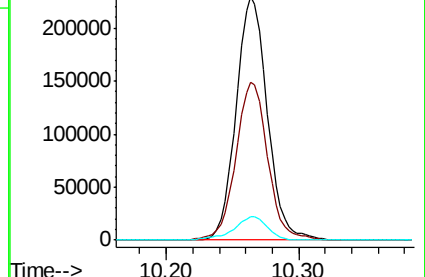
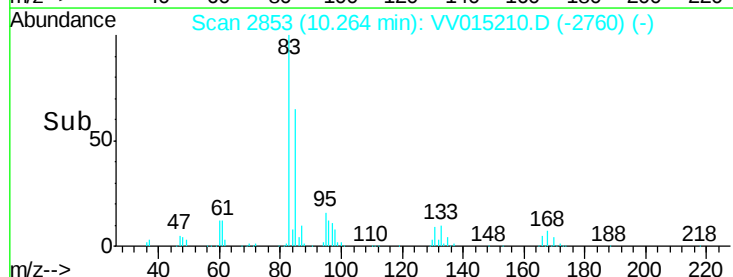
131 9.4 7.8 11.8

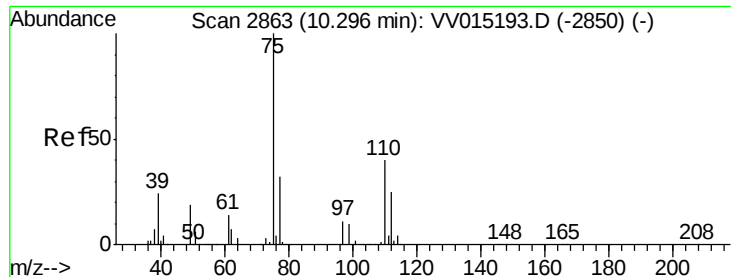


Abundance Ion 83.00 (82.70 to 83.70): VV015210.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV015210.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV015210.D (-2760) (-)

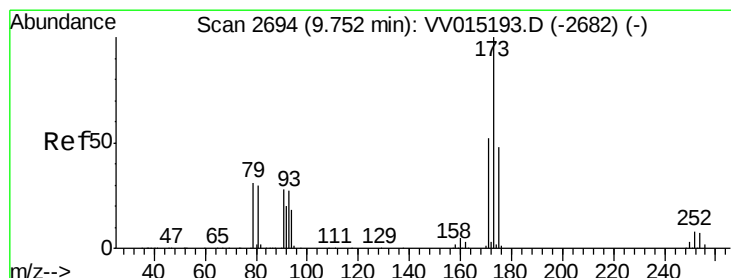
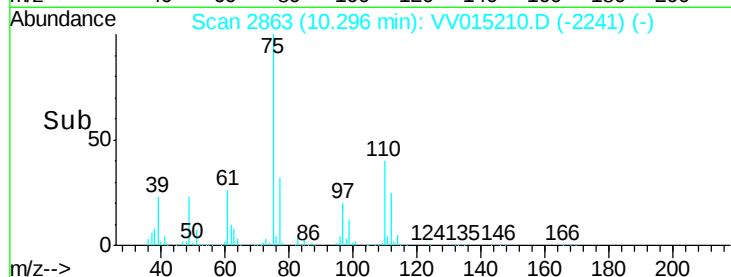
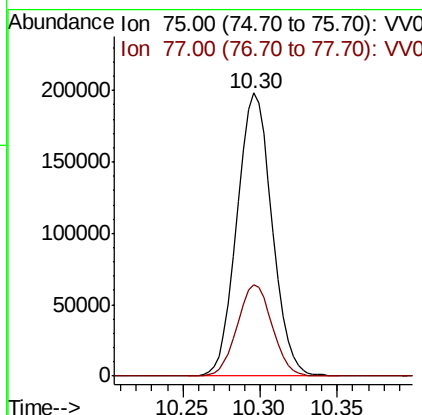
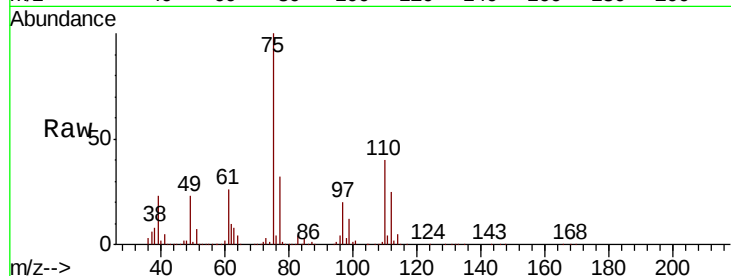




#59
 1,2,3-Trichloropropane
 Concen: 45.928 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV015210.D
 Acq: 27 Mar 2020 13:48

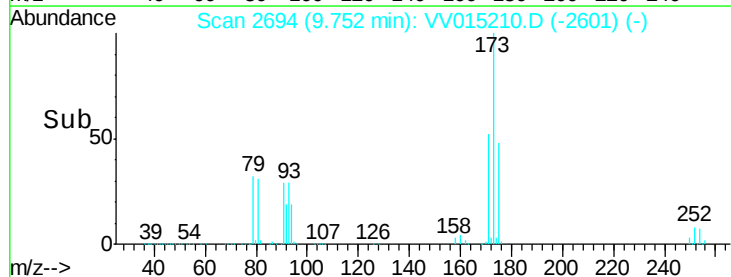
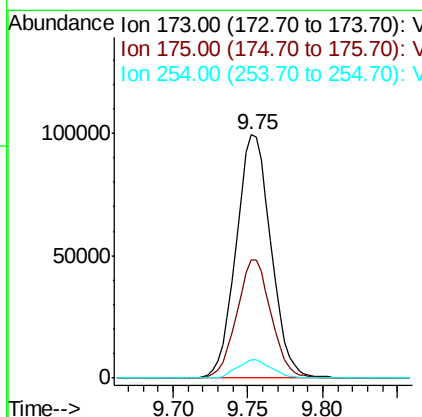
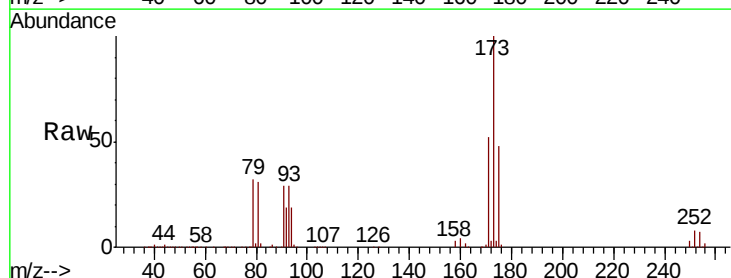
Instrument :
 MSVOA_V
 ClientSampled :

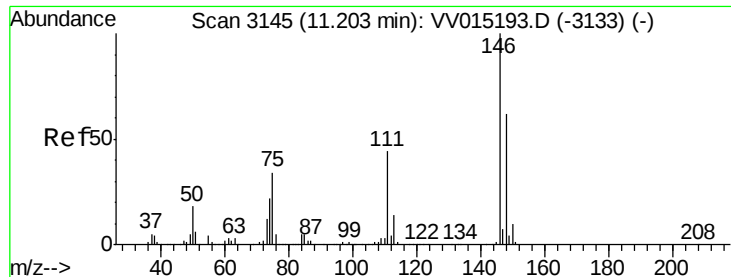
Tot Ion: 75 Resp: 312835
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#61
 Bromoform
 Concen: 43.584 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV015210.D
 Acq: 27 Mar 2020 13:48

Tgt Ion: 173 Resp: 161224
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.4 57.6
 254 7.3 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 44.703 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

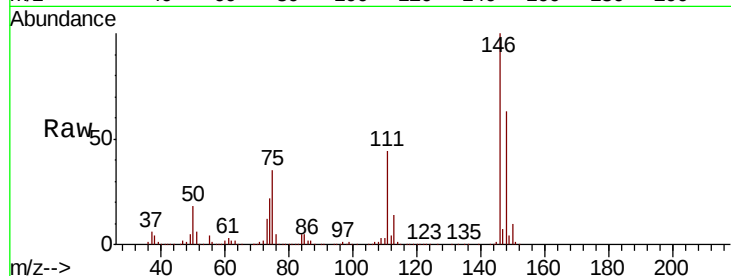
Tot Ion:146 Resp: 481239

Ion Ratio Lower Upper

146 100

111 44.5 30.5 56.7

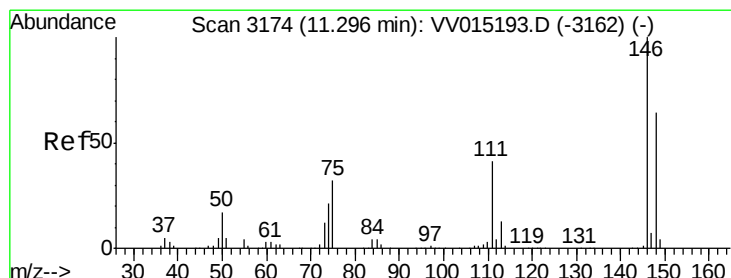
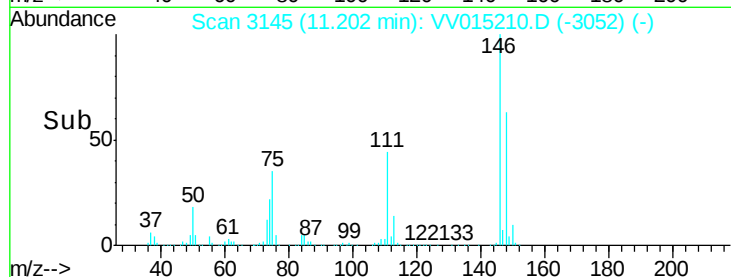
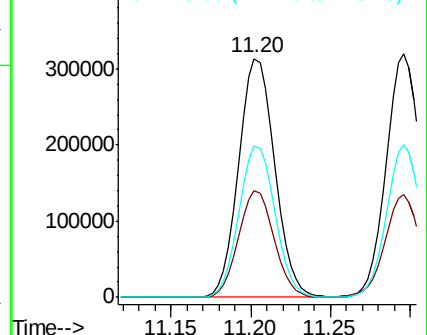
148 63.3 44.0 81.6



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



#63

1,4-Dichlorobenzene

Concen: 44.584 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

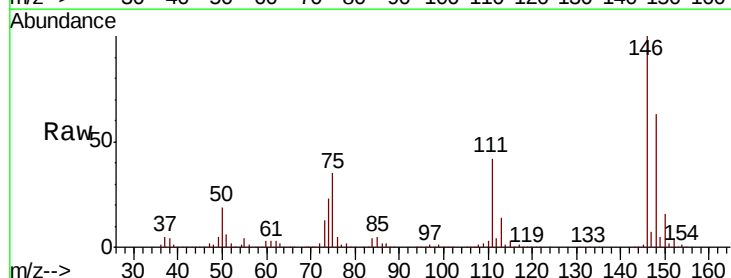
Tgt Ion:146 Resp: 484849

Ion Ratio Lower Upper

146 100

111 42.0 29.2 54.2

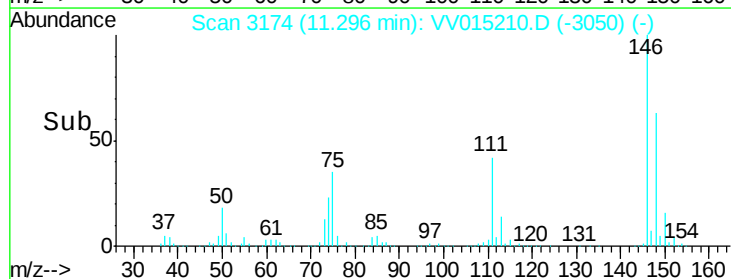
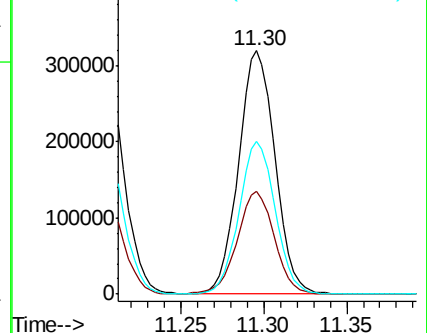
148 62.6 44.8 83.2

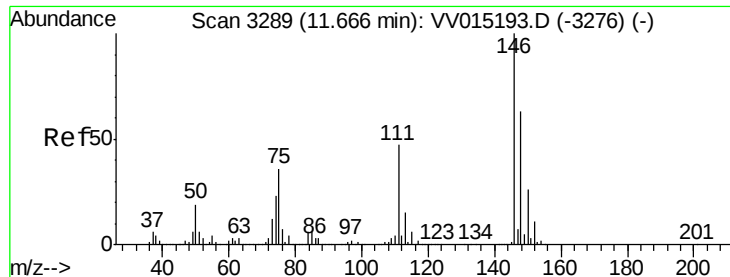


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 44.592 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

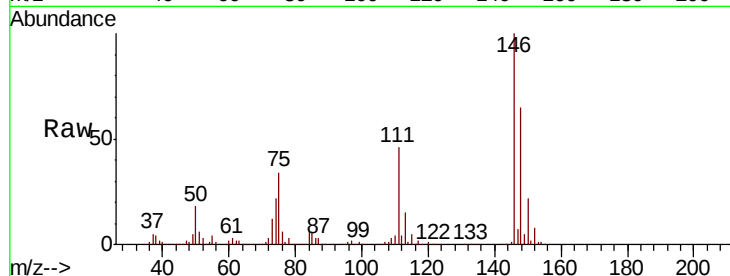
Tot Ion:146 Resp: 486706

Ion Ratio Lower Upper

146 100

111 45.5 35.4 53.2

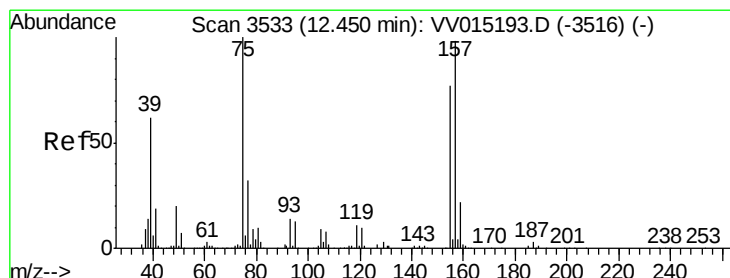
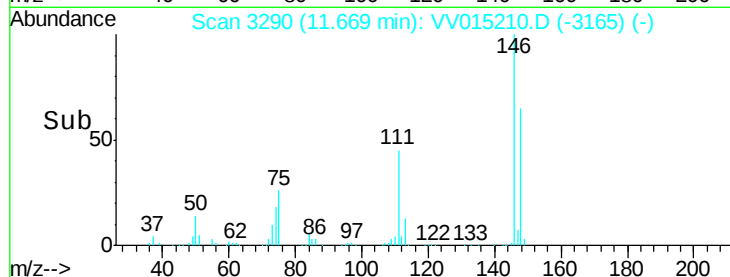
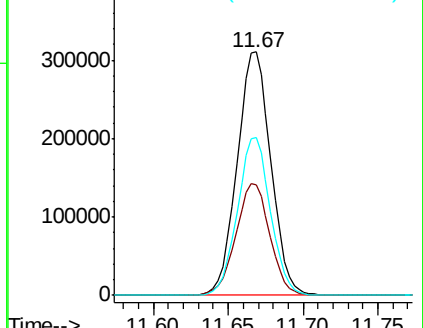
148 65.0 49.7 74.5



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: 42.007 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

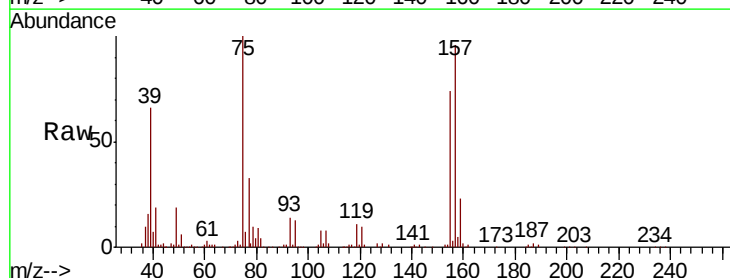
Tgt Ion: 75 Resp: 101864

Ion Ratio Lower Upper

75 100

155 74.3 60.5 90.7

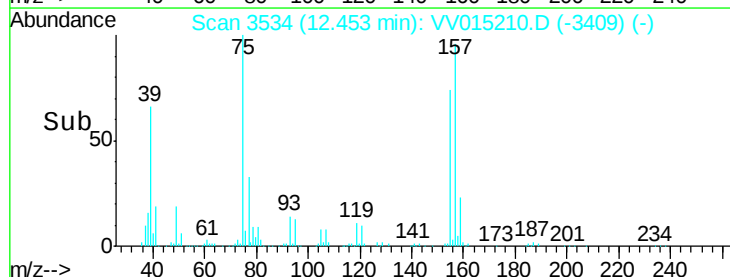
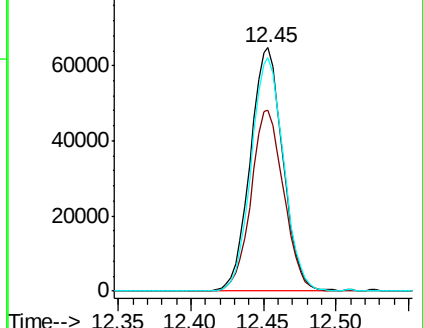
157 95.7 76.7 115.1

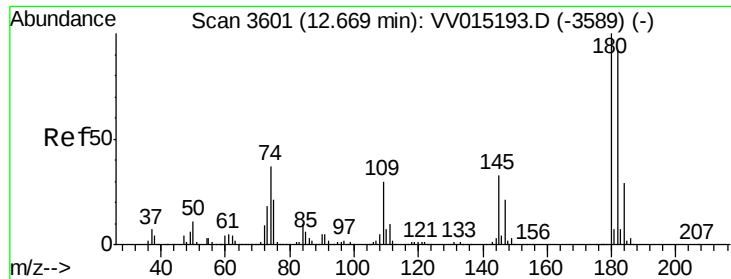


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

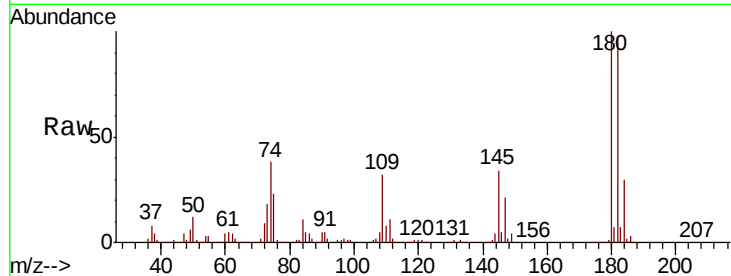




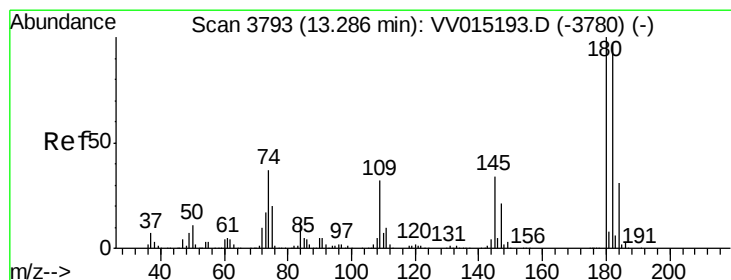
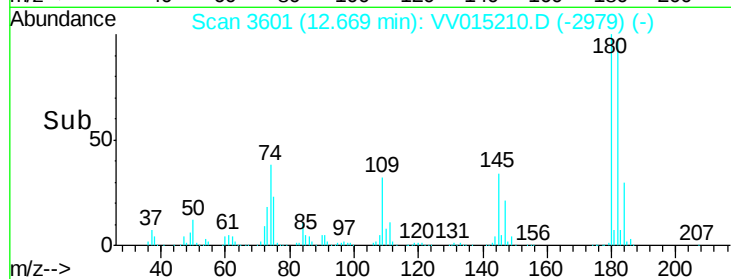
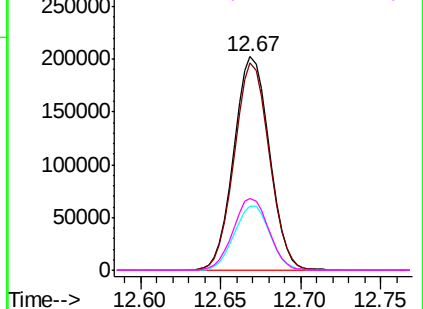
#67
 1,3,5-Trichlorobenzene
 Concen: 44.488 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015210.D
 Acq: 27 Mar 2020 13:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	306460
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.6 114.8
184	30.3	24.2 36.4
145	33.7	27.6 41.4

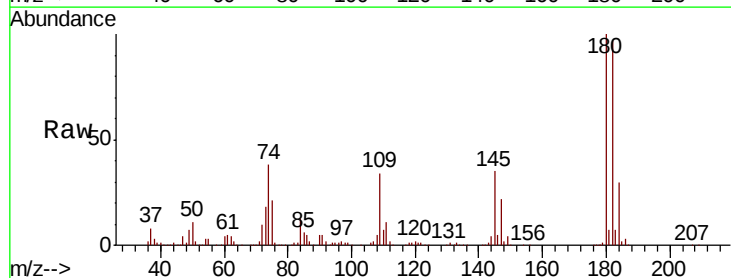


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

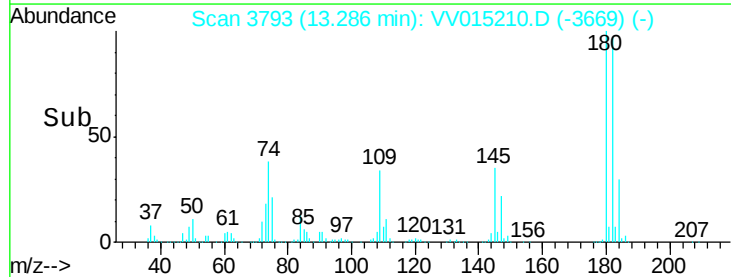
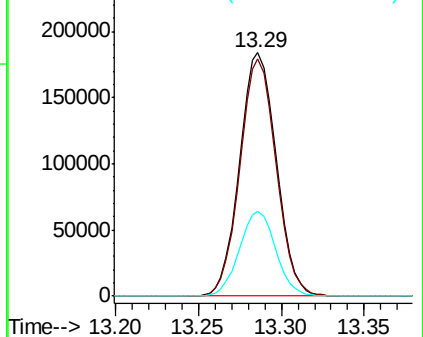


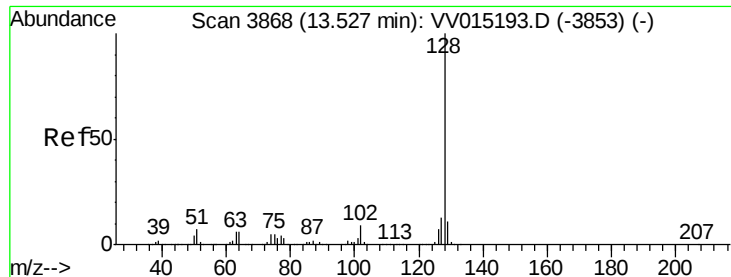
#68
 1,2,4-trichlorobenzene
 Concen: 43.201 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015210.D
 Acq: 27 Mar 2020 13:48

Tgt Ion:180	Resp:	283856
Ion Ratio	Lower	Upper
180	100	
182	96.0	75.2 112.8
145	34.4	27.5 41.3



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: 43.408 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

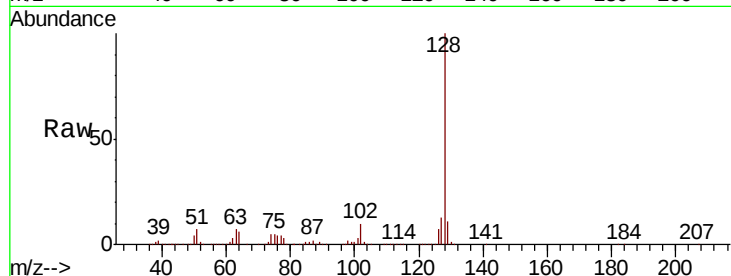
Tot Ion:128 Resp: 1142168

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

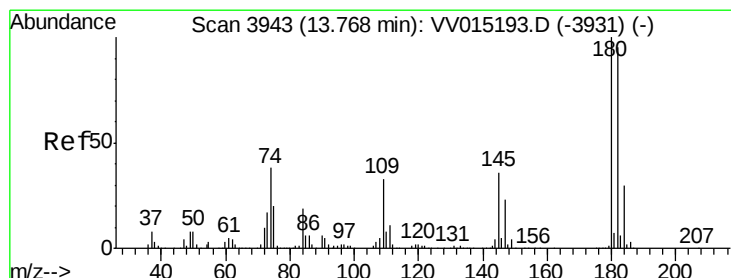
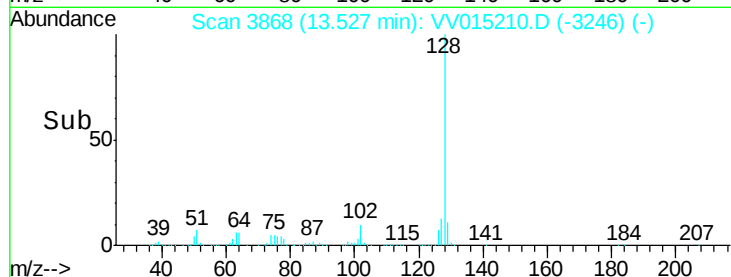
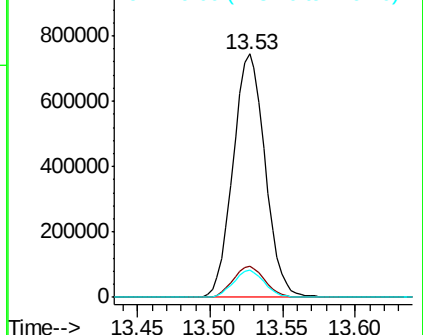
129 10.9 8.6 13.0



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: 43.973 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015210.D

Acq: 27 Mar 2020 13:48

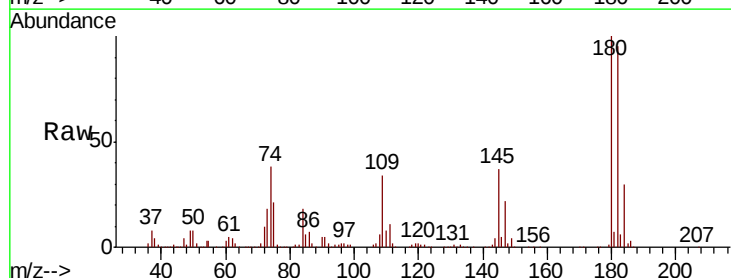
Tgt Ion:180 Resp: 289305

Ion Ratio Lower Upper

180 100

182 96.0 74.6 112.0

145 37.1 29.9 44.9



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

