

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015129.D
 Acq On : 25 Mar 2020 05:23
 Operator : SY/MD
 Sample : VSTD10064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 06:52:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 06:43:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	550981	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	523370	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	230996	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	470969	93.08	ug/L	0.00
7) Chloroethane-d5	1.58	69	477793	107.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	877905	102.23	ug/L	0.00
21) 2-Butanone-d5	3.93	46	826642	238.56	ug/L	0.00
24) Chloroform-d	4.38	84	892276	112.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	604275	117.56	ug/L	0.00
32) Benzene-d6	5.08	84	1707918	104.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	576188	107.15	ug/L	0.00
41) Toluene-d8	7.34	98	1498961	100.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	310100	109.73	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	635380	230.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	883031	115.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	564020	107.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	294016	74.162	ug/L 99
3) Chloromethane	1.25	50	564353	100.413	ug/L 98
5) Vinyl chloride	1.32	62	494294	94.702	ug/L 100
6) Bromomethane	1.53	94	369411	111.921	ug/L 99
8) Chloroethane	1.60	64	377233	92.260	ug/L 97
9) Trichlorofluoromethane	1.77	101	574990	89.669	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	274798	85.486	ug/L 99
12) 1,1-Dichloroethene	2.13	96	362119	100.538	ug/L 90
13) Acetone	2.22	43	438026	163.068	ug/L 93
14) Carbon disulfide	2.31	76	944909	102.364	ug/L 99
15) Methyl Acetate	2.46	43	513726	108.296	ug/L 99
16) Methylene chloride	2.52	84	475715	109.106	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	361849	101.298	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	1557198	111.517	ug/L 100
19) 1,1-Dichloroethane	3.21	63	746702	102.398	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	452684	106.608	ug/L # 98
22) 2-Butanone	4.02	43	761546	205.691	ug/L # 70
23) Bromochloromethane	4.28	128	250005	115.891	ug/L 100
25) Chloroform	4.41	83	783670	106.962	ug/L 99
27) 1,2-Dichloroethane	5.16	62	641237	108.774	ug/L 98
29) Cyclohexane	4.70	56	413372	74.830	ug/L 99
30) 1,1,1-Trichloroethane	4.64	97	591462	95.979	ug/L 99
31) Carbon tetrachloride	4.86	117	452723	88.807	ug/L 97
33) Benzene	5.13	78	1613729	100.299	ug/L 100
34) Trichloroethene	5.94	95	366162	95.821	ug/L 99
35) Methylcyclohexane	6.15	83	413361	77.287	ug/L 99
37) 1,2-Dichloropropane	6.20	63	446521	102.566	ug/L 99
38) Bromodichloromethane	6.53	83	638197	105.812	ug/L 98
39) cis-1,3-Dichloropropene	7.05	75	743894	105.256	ug/L 97
40) 4-Methyl-2-pentanone	7.25	43	1541590	211.743	ug/L 99

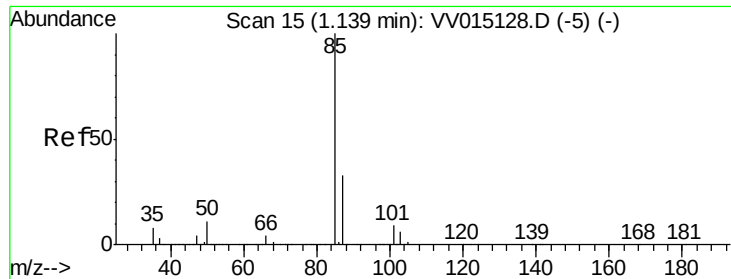
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 06:43:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1623871	96.680	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	725405	109.157	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	465997	109.735	ug/L	98
46) Tetrachloroethene	8.00	164	228878	89.035	ug/L	97
48) 2-Hexanone	8.16	43	1192532	213.413	ug/L	98
49) Dibromochloromethane	8.27	129	522312	107.934	ug/L	100
50) 1,2-Dibromoethane	8.37	107	504031	108.320	ug/L	100
51) Chlorobenzene	8.90	112	1061330	98.262	ug/L	99
52) Ethylbenzene	9.03	91	1646607	91.698	ug/L	99
53) m,p-Xylene	9.16	106	628070	92.004	ug/L	100
54) o-xylene	9.57	106	679366	95.511	ug/L	99
55) Styrene	9.58	104	1216159	98.687	ug/L	99
56) Isopropylbenzene	9.95	105	1516195	88.009	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	786095	108.363	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	631276	107.462	ug/L	99
61) Bromoform	9.75	173	374472	112.515	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	741820	97.243	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	744333	96.597	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	810862	101.041	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	217147	114.493	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	461314	90.221	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	475531	96.975	ug/L	99
69) Naphthalene	13.52	128	2293042	186.053	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	512872	100.653	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 74.162 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

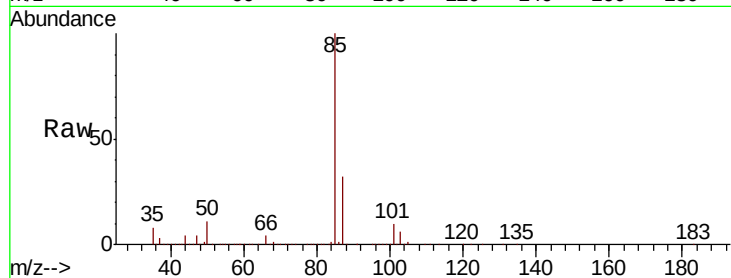
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 294016

Ion Ratio Lower Upper

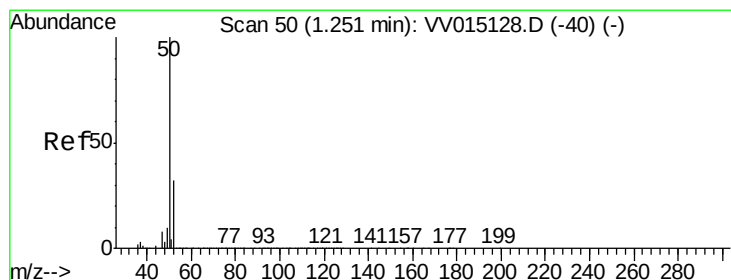
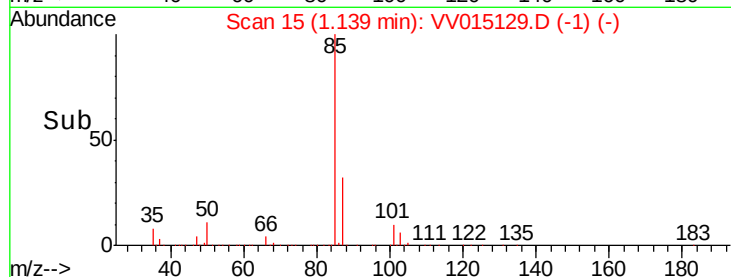
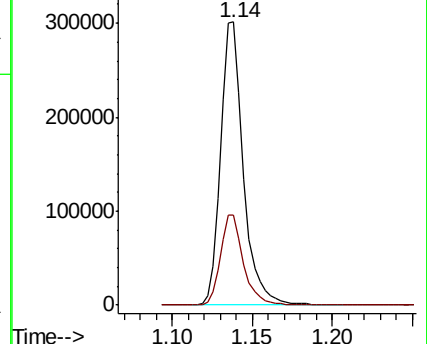
85 100

87 32.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV015129.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV015129.D (-5) (-)



#3

Chloromethane

Concen: 100.413 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015129.D

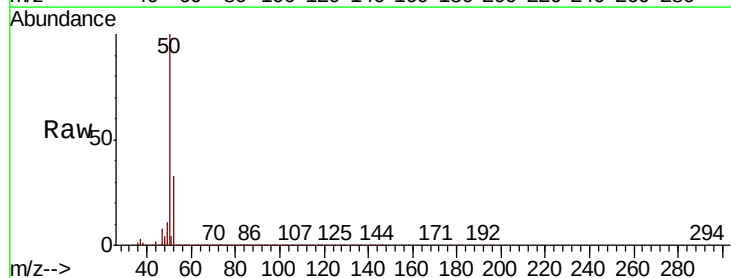
Acq: 25 Mar 2020 05:23

Tgt Ion: 50 Resp: 564353

Ion Ratio Lower Upper

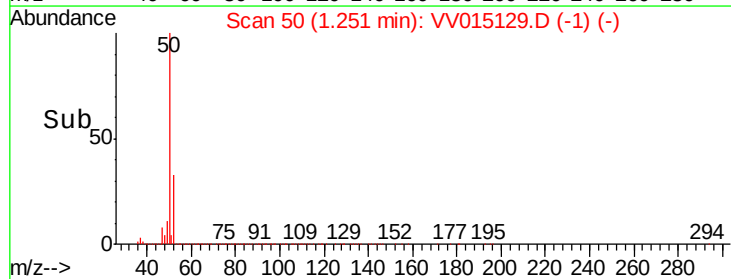
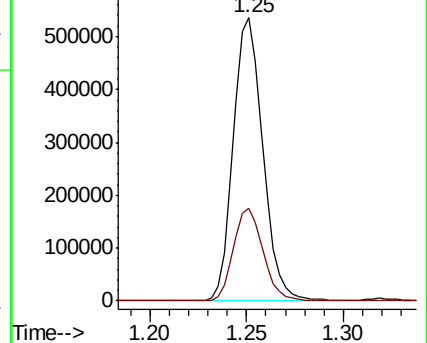
50 100

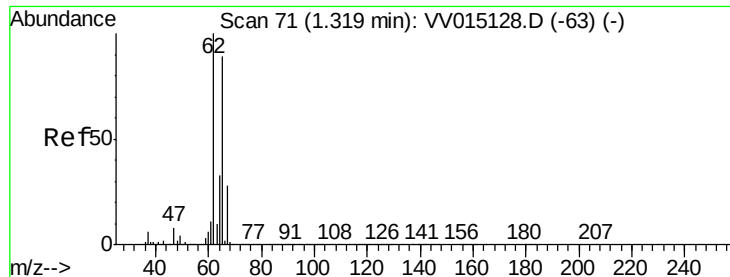
52 32.7 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV015129.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV015129.D (-40) (-)





#5

Vinyl chloride

Concen: 94.702 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Instrument :

MSVOA_V

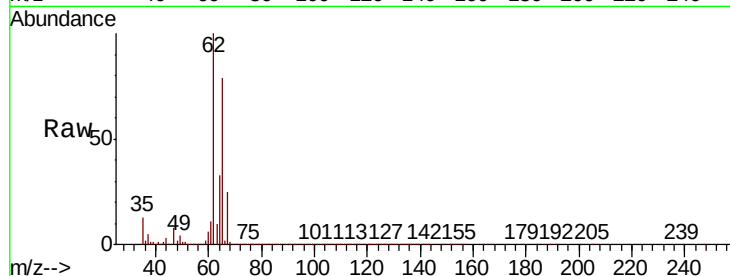
ClientSampled :

Tot Ion: 62 Resp: 494294

Ion Ratio Lower Upper

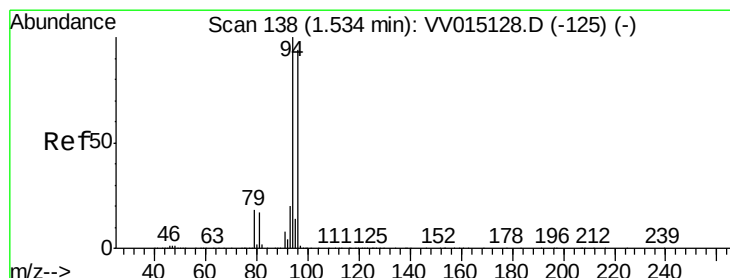
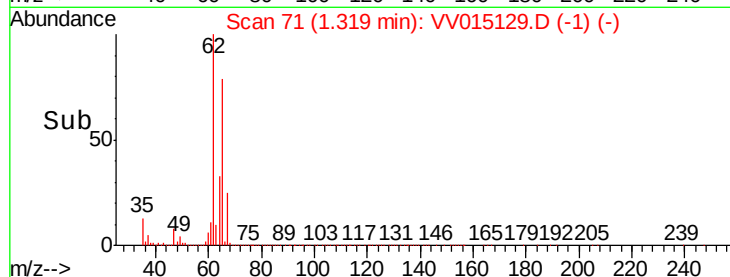
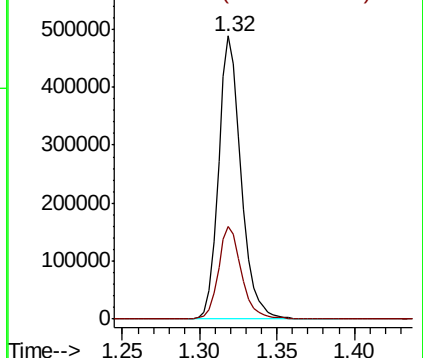
62 100

64 32.9 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 111.921 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015129.D

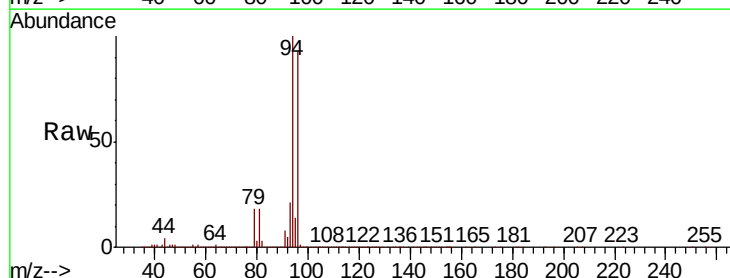
Acq: 25 Mar 2020 05:23

Tgt Ion: 94 Resp: 369411

Ion Ratio Lower Upper

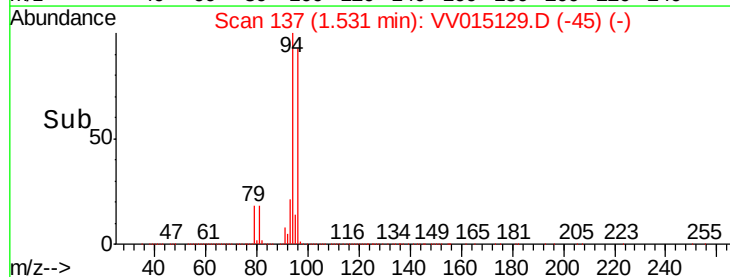
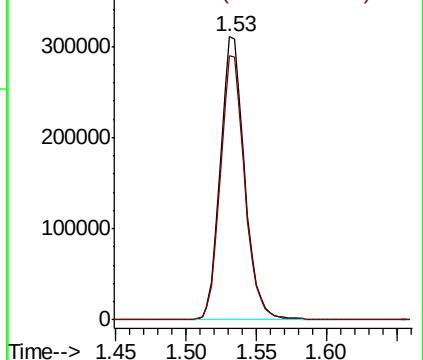
94 100

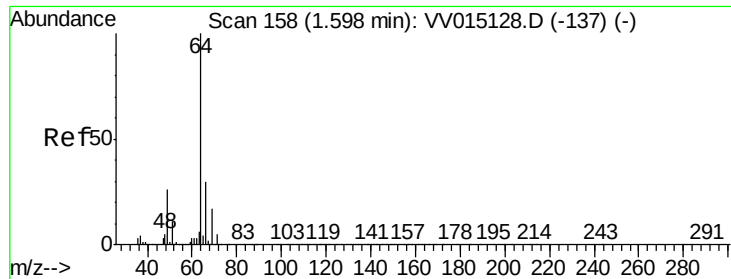
96 93.4 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

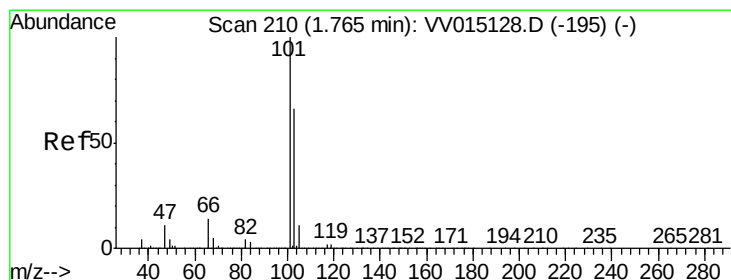
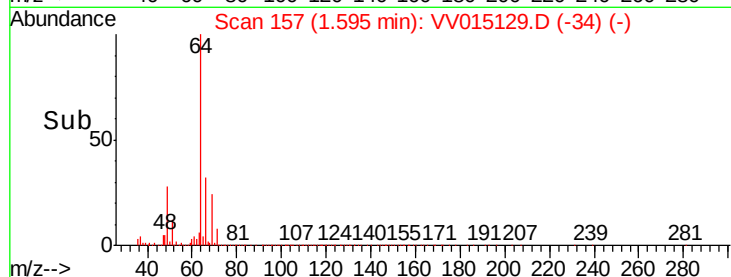
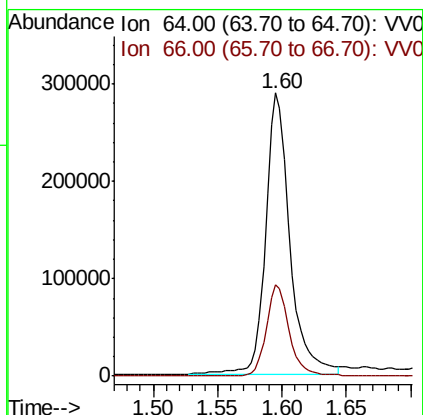
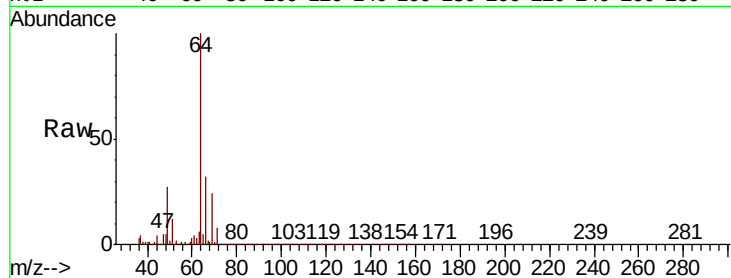




#8
Chloroethane
Concen: 92.260 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

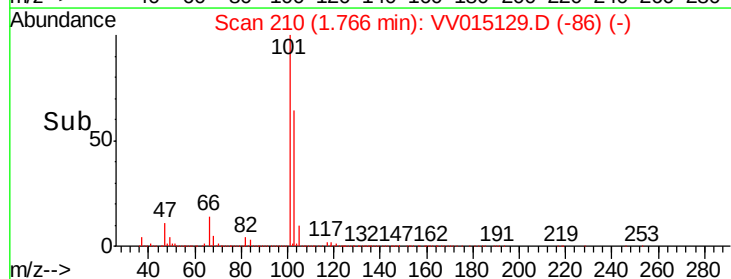
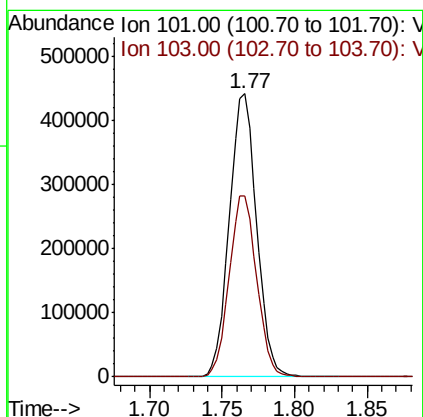
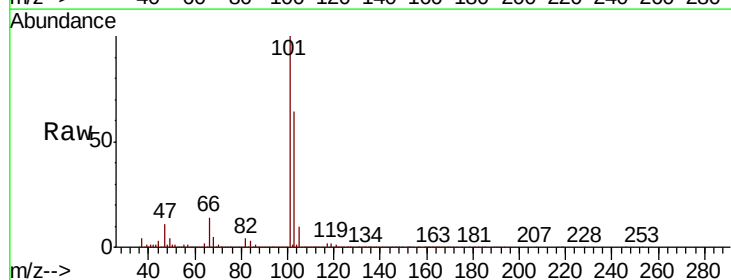
Instrument :
MSVOA_V
ClientSampleId :

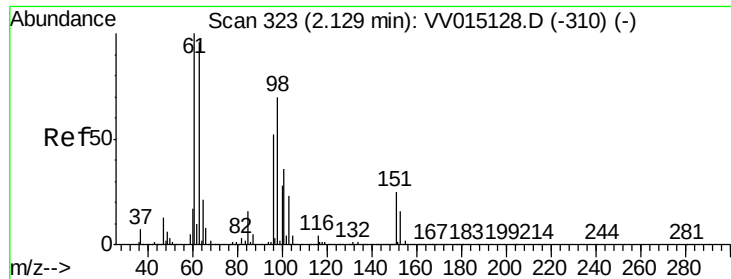
Tot Ion: 64 Resp: 377233
Ion Ratio Lower Upper
64 100
66 32.1 21.2 39.4



#9
Trichlorofluoromethane
Concen: 89.669 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

Tgt Ion: 101 Resp: 574990
Ion Ratio Lower Upper
101 100
103 64.4 52.8 79.2





#10

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

Concen: 85.486 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Instrument :

MSVOA_V

ClientSampleId :

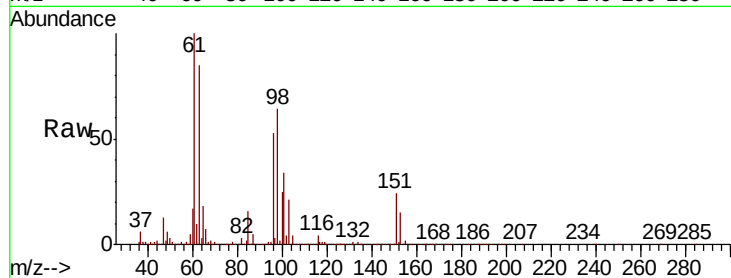
Tot Ion:101 Resp: 274798

Ion Ratio Lower Upper

101 100

85 45.5 36.0 54.0

151 70.1 56.7 85.1

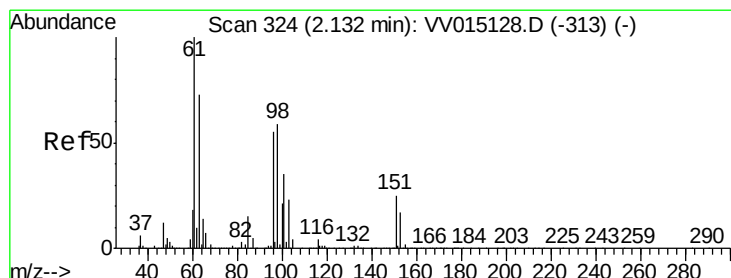
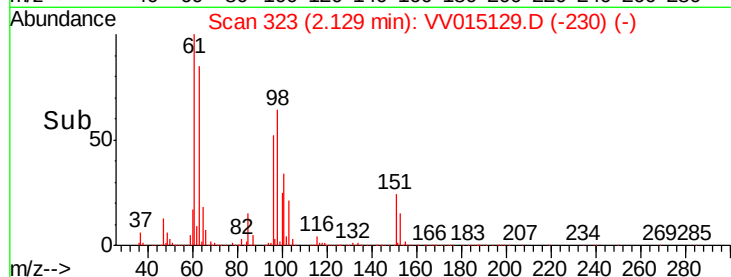


Abundance Ion 101.00 (100.70 to 101.70): VV015128.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV015129.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015129.D (-231) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 100.538 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

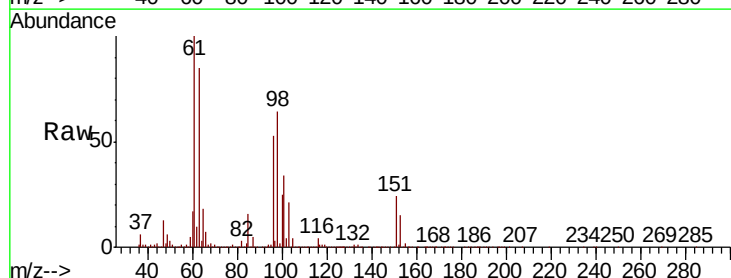
Tgt Ion: 96 Resp: 362119

Ion Ratio Lower Upper

96 100

61 190.2 128.2 238.0

63 161.5 97.9 181.9

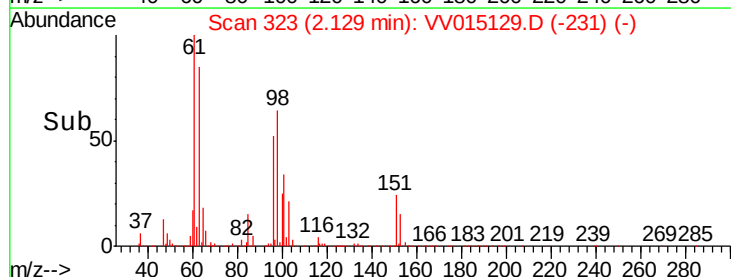


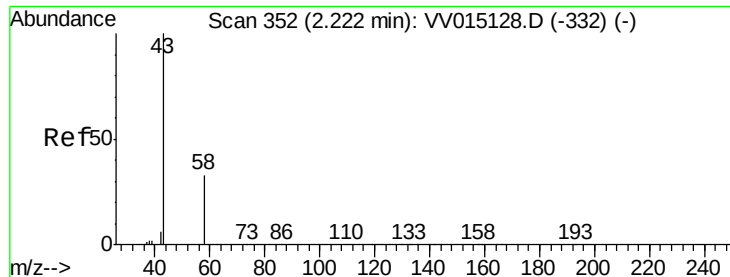
Abundance Ion 96.00 (95.70 to 96.70): VV015128.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV015129.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015129.D (-232) (-)

Time-->





#13

Acetone

Concen: 163.068 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

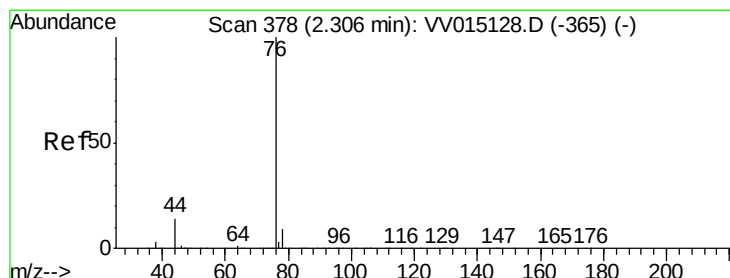
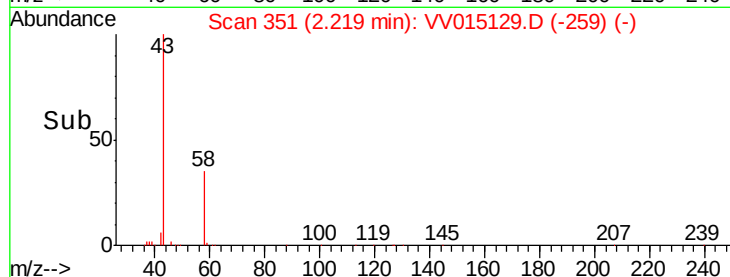
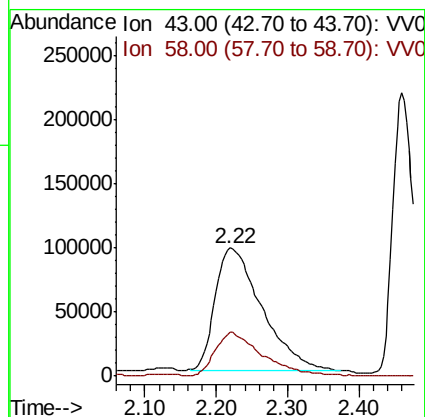
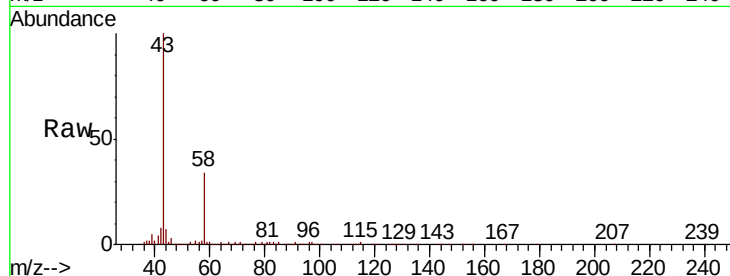
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 438026

Ion Ratio Lower Upper

43 100

58 34.9 0.0 61.6



#14

Carbon disulfide

Concen: 102.364 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015129.D

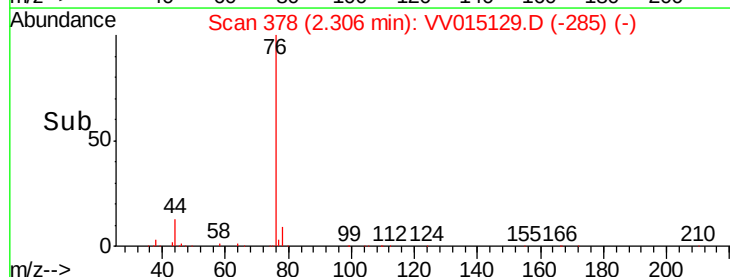
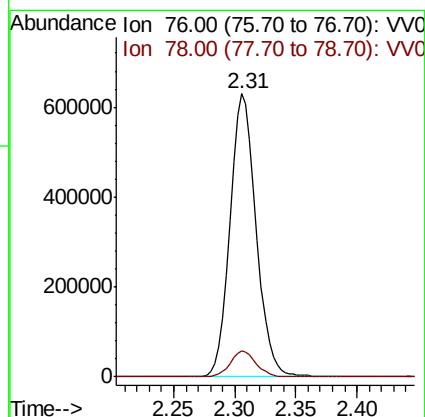
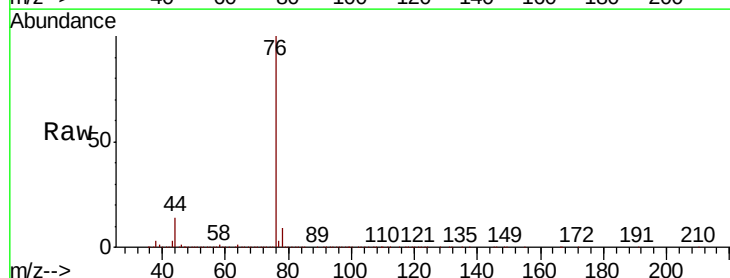
Acq: 25 Mar 2020 05:23

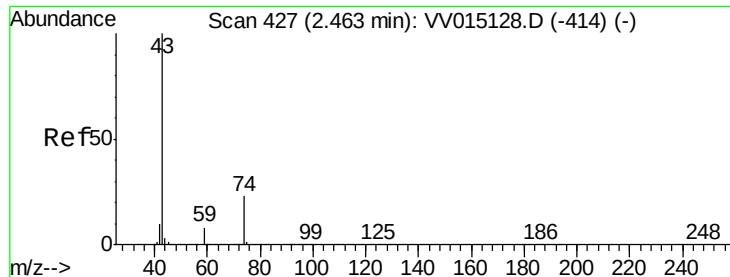
Tgt Ion: 76 Resp: 944909

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

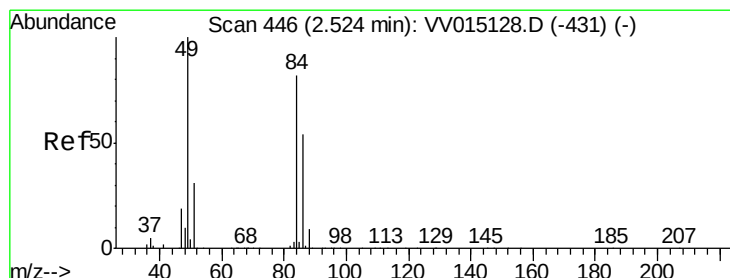
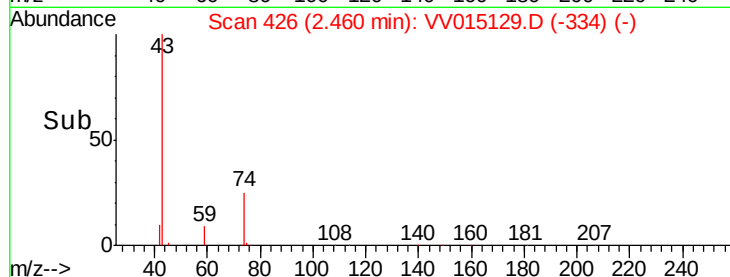
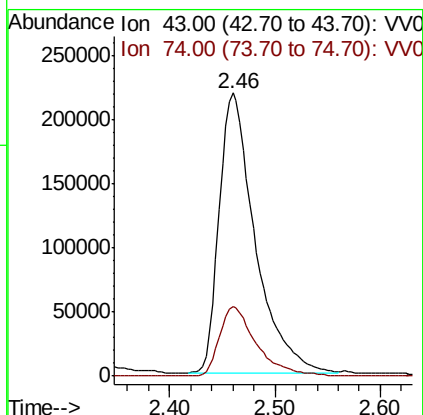
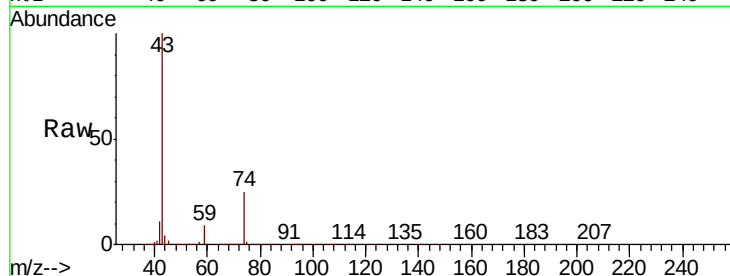




#15
Methvl Acetate
Concen: 108.296 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

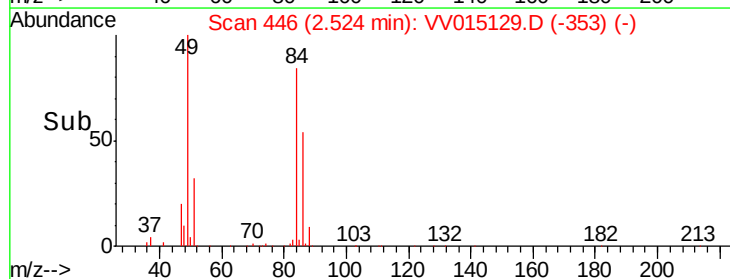
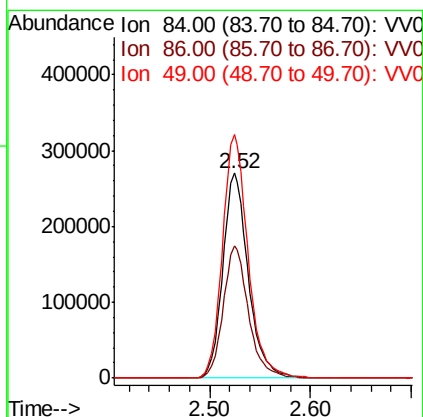
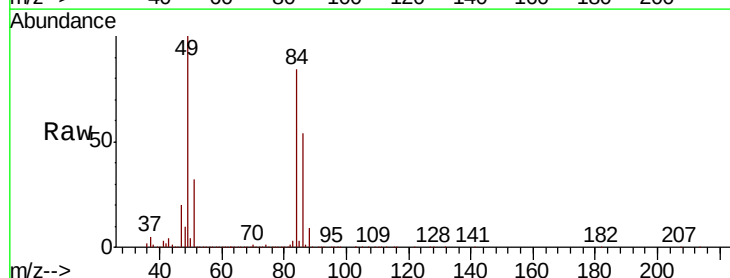
Instrument :
MSVOA_V
ClientSampleId :

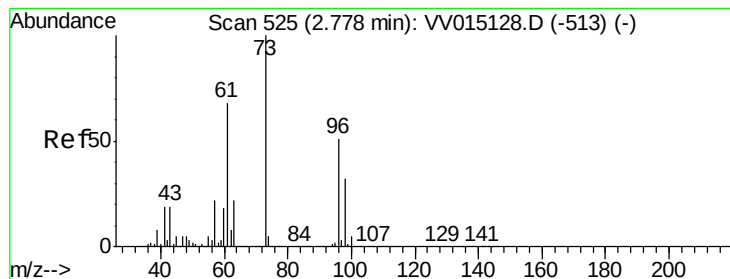
Tot Ion: 43 Resp: 513726
Ion Ratio Lower Upper
43 100
74 25.4 20.1 30.1



#16
Methylene chloride
Concen: 109.106 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

Tgt Ion: 84 Resp: 475715
Ion Ratio Lower Upper
84 100
86 64.5 45.6 84.8
49 118.9 85.1 158.1





#17

trans-1,2-Dichloroethene

Concen: 101.298 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Instrument :
MSVOA_V
ClientSampled :

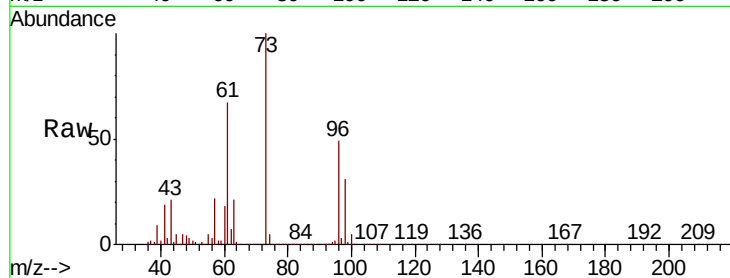
Tot Ion: 96 Resp: 361849

Ion Ratio Lower Upper

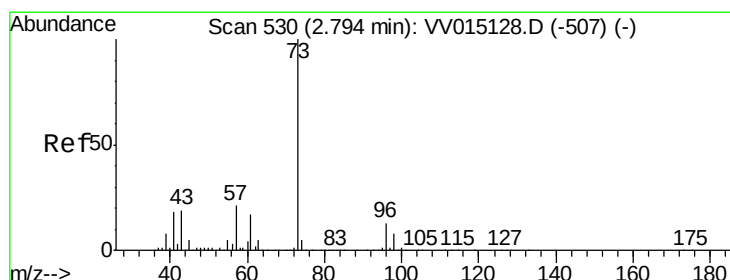
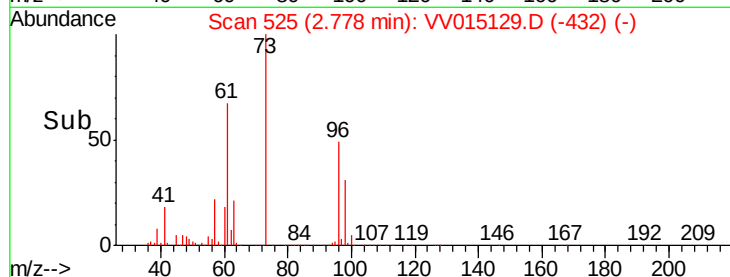
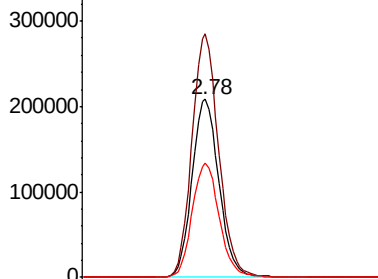
96 100

61 136.6 93.8 174.2

98 64.0 44.7 83.1



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: 111.517 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

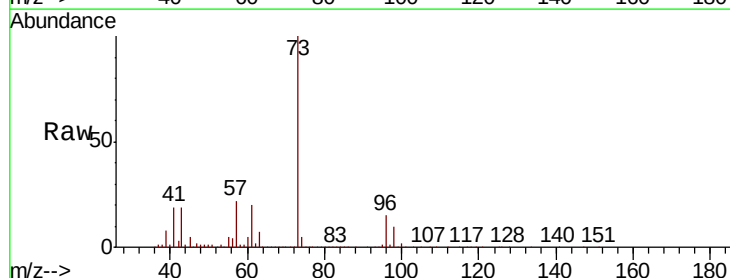
Tgt Ion: 73 Resp: 1557198

Ion Ratio Lower Upper

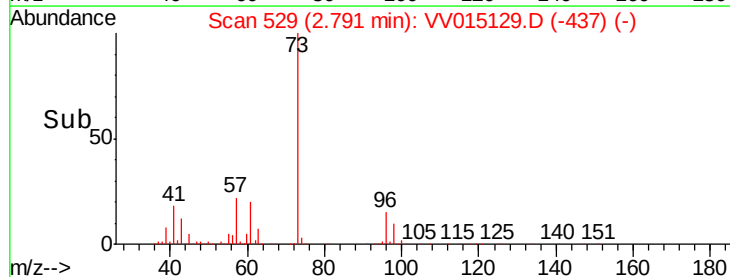
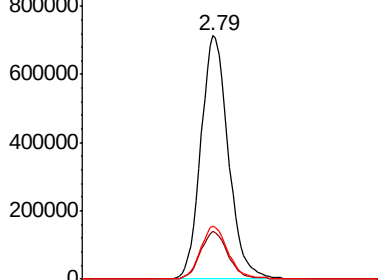
73 100

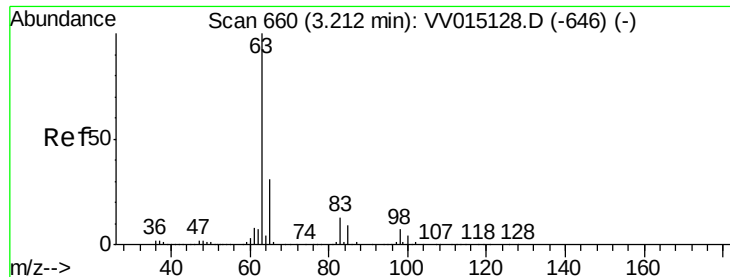
43 19.3 15.3 22.9

57 21.6 17.3 25.9



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: 102.398 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Instrument :

MSVOA_V

ClientSampleId :

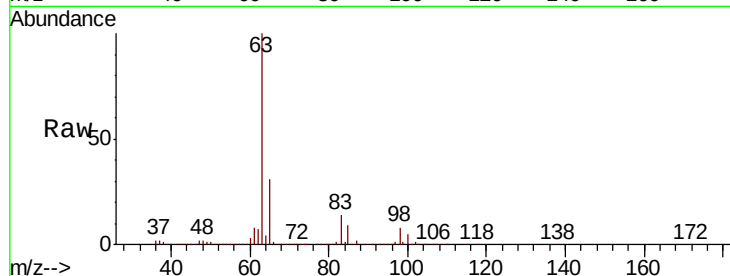
Tot Ion: 63 Resp: 746702

Ion Ratio Lower Upper

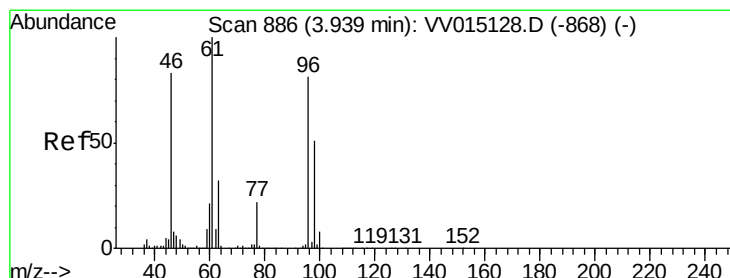
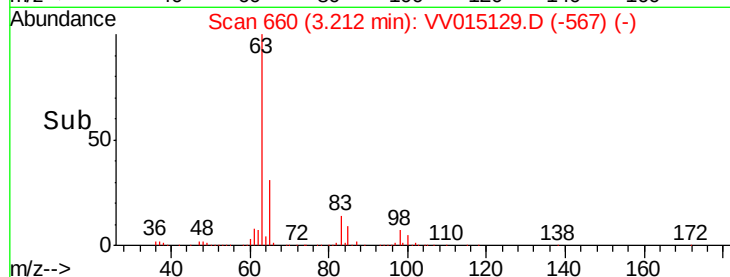
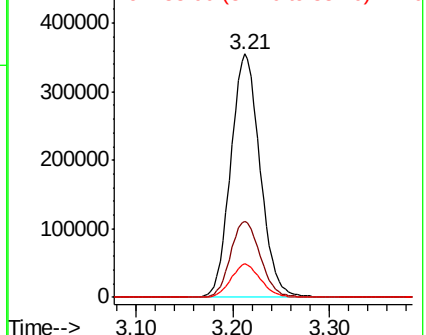
63 100

65 31.4 21.6 40.2

83 13.6 9.5 17.7



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



#20

cis-1,2-Dichloroethene

Concen: 106.608 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

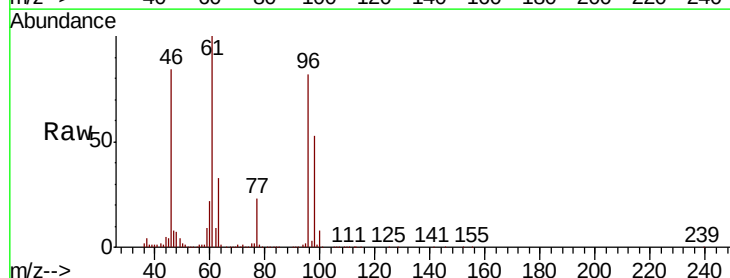
Tgt Ion: 96 Resp: 452684

Ion Ratio Lower Upper

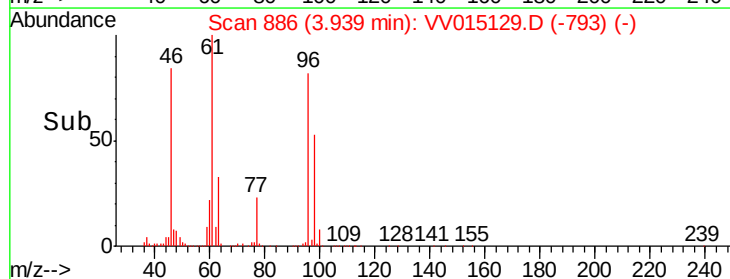
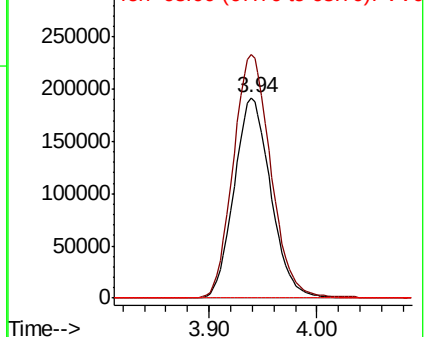
96 100

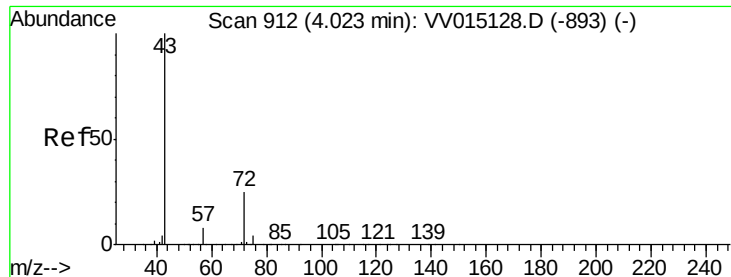
61 121.5 86.7 160.9

68 0.1 0.1 0.3#



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





#22

2-Butanone

Concen: 205.691 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.01 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

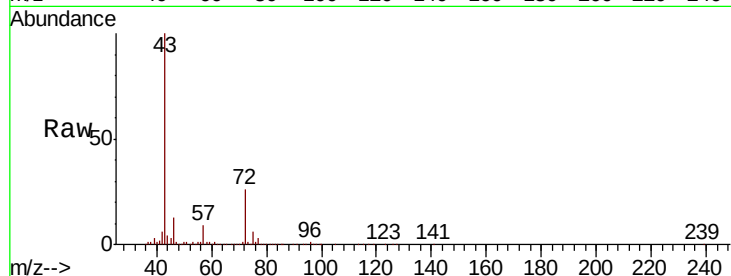
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 761546

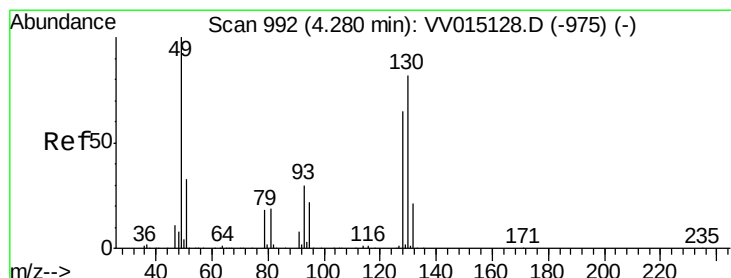
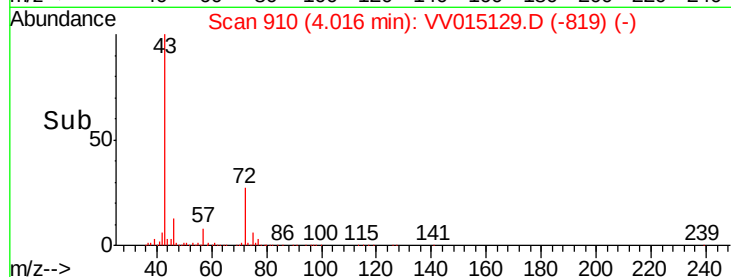
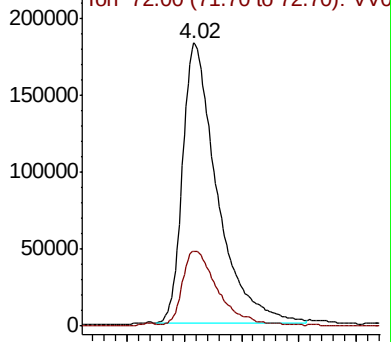
Ion Ratio Lower Upper

43 100

72 27.7 0.1 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VV015128.D (-893) (-)



#23

Bromochloromethane

Concen: 115.891 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Tgt Ion:128 Resp: 250005

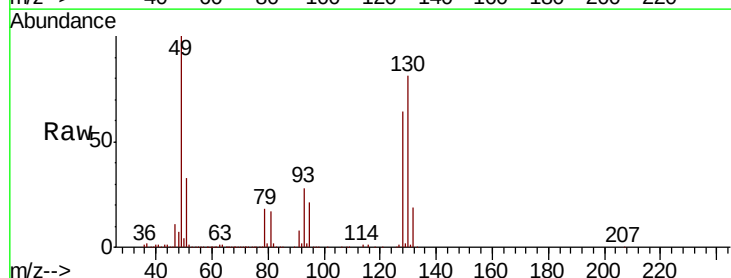
Ion Ratio Lower Upper

128 100

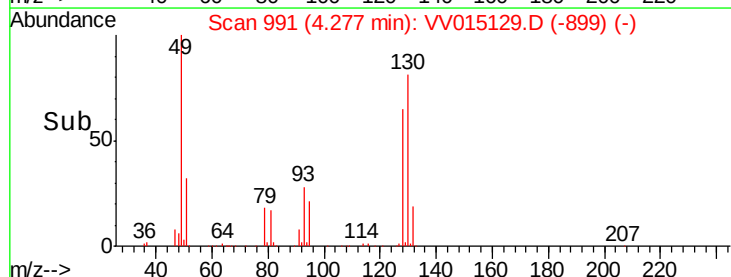
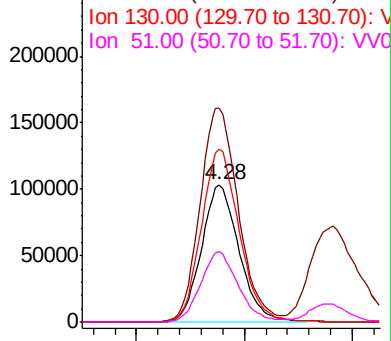
49 155.3 107.9 200.5

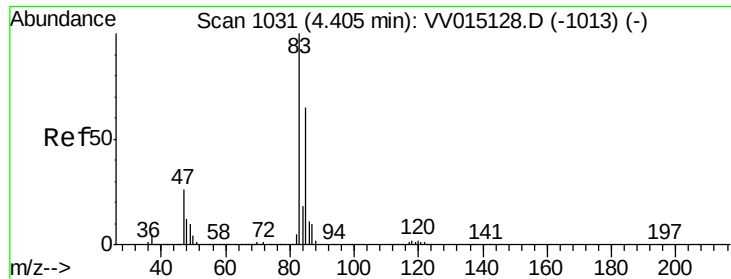
130 125.9 88.2 163.8

51 50.8 40.7 61.1



Abundance Ion 128.00 (127.70 to 128.70): VV015129.D (-899) (-)

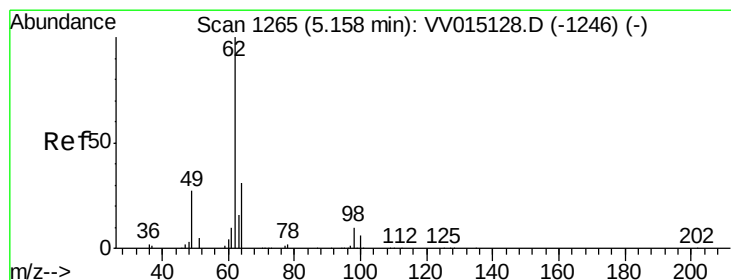
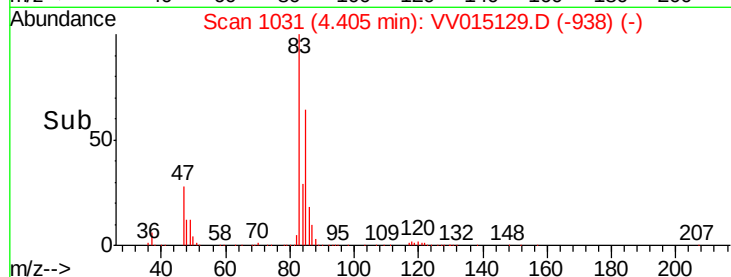
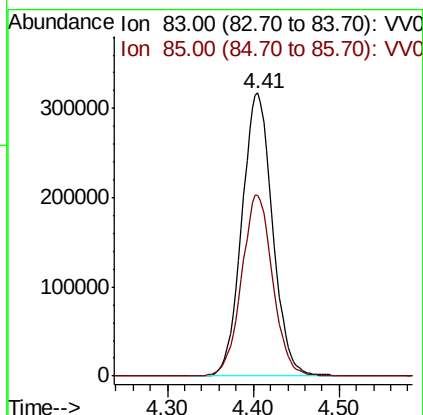
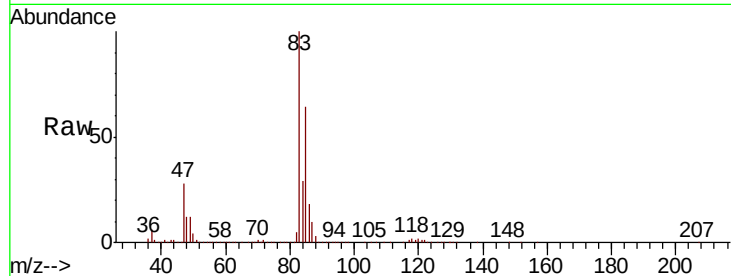




#25
Chloroform
Concen: 106.962 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

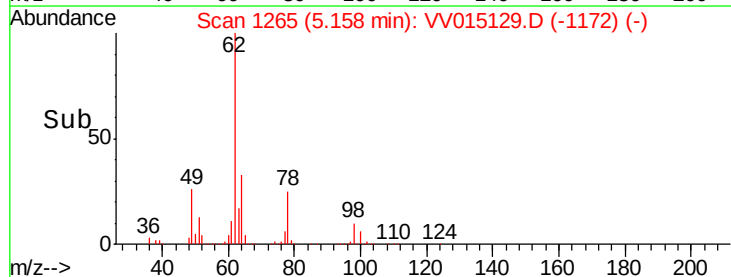
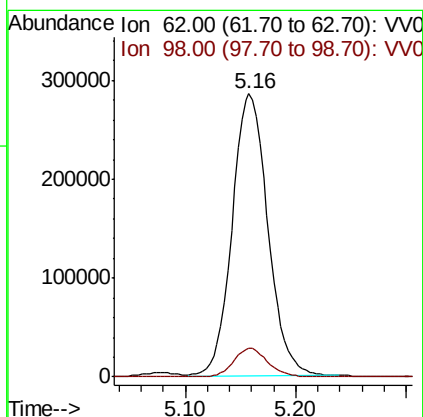
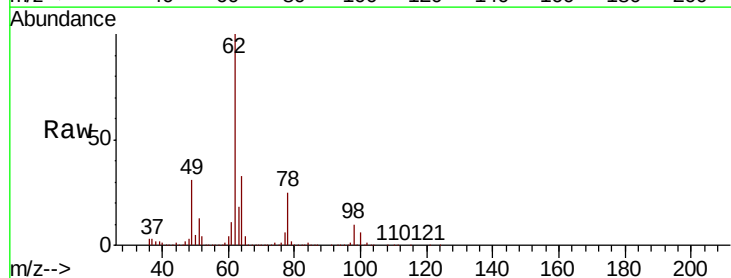
Instrument :
MSVOA_V
ClientSampleId :

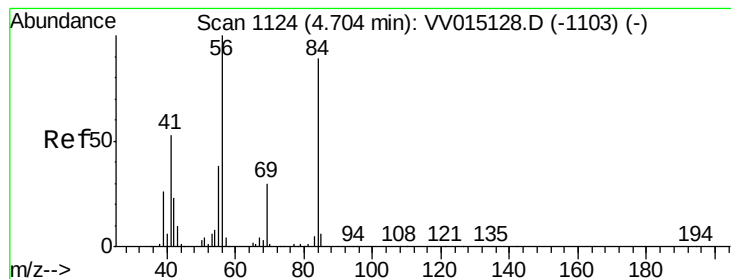
Tot Ion: 83 Resp: 783670
Ion Ratio Lower Upper
83 100
85 64.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 108.774 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

Tgt Ion: 62 Resp: 641237
Ion Ratio Lower Upper
62 100
98 10.3 7.7 11.5





#29

Cyclohexane

Concen: 74.830 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Instrument :
MSVOA_V
ClientSampled :

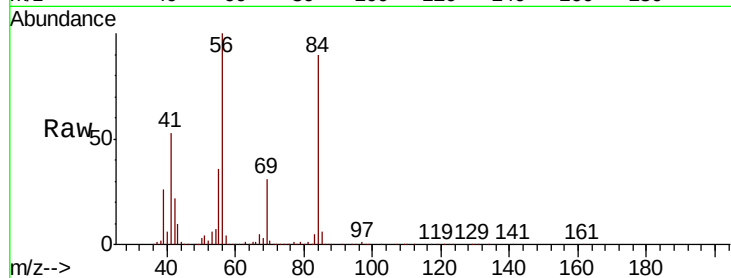
Tot Ion: 56 Resp: 413372

Ion Ratio Lower Upper

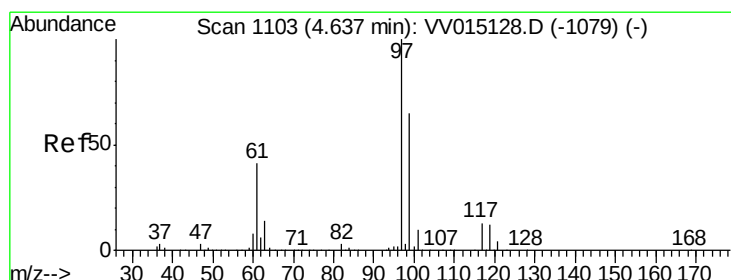
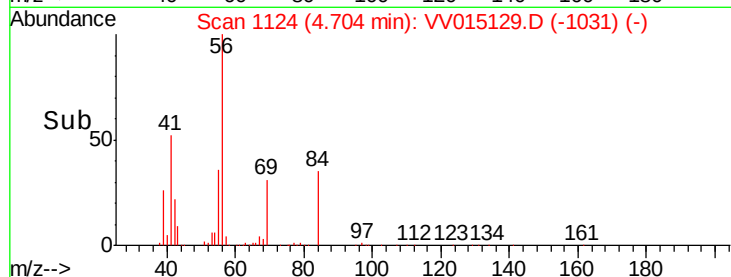
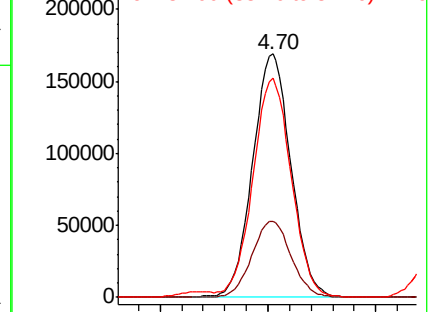
56 100

69 31.5 24.9 37.3

84 90.5 72.0 108.0



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 95.979 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

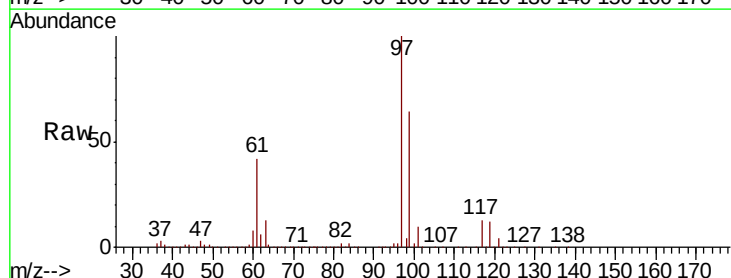
Tgt Ion: 97 Resp: 591462

Ion Ratio Lower Upper

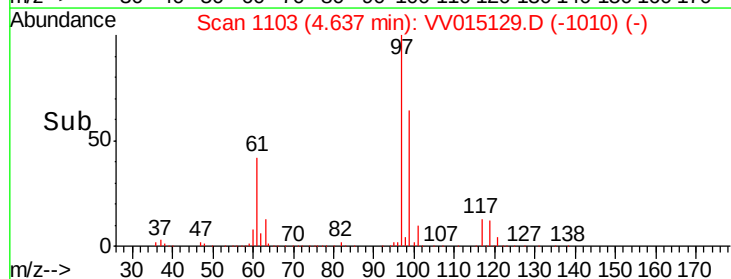
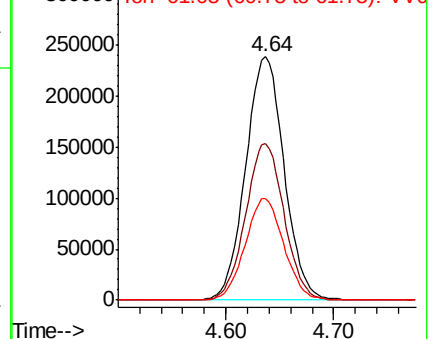
97 100

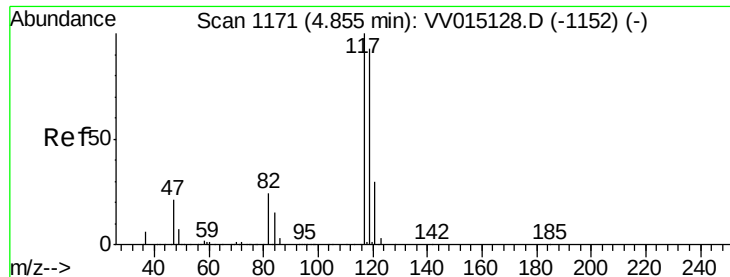
99 64.2 51.2 76.8

61 41.8 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

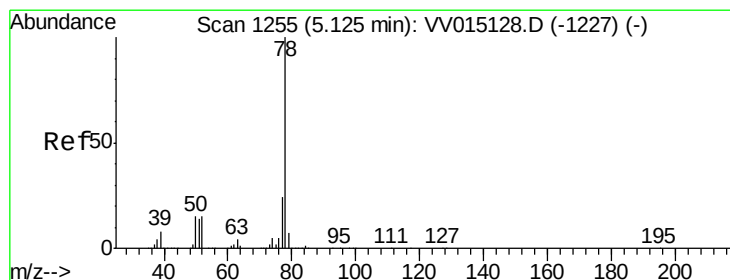
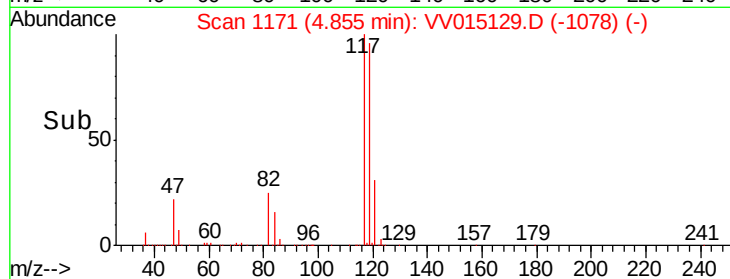
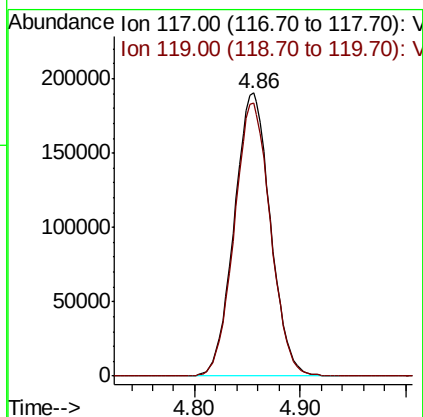
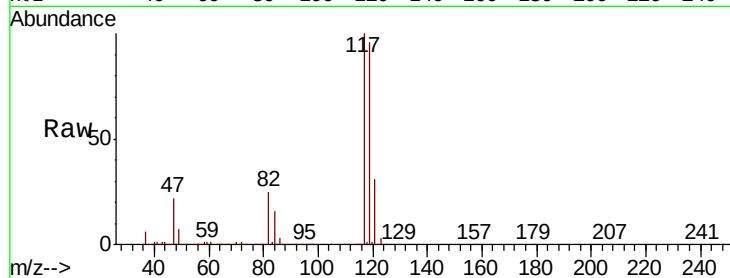




#31
Carbon tetrachloride
Concen: 88.807 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

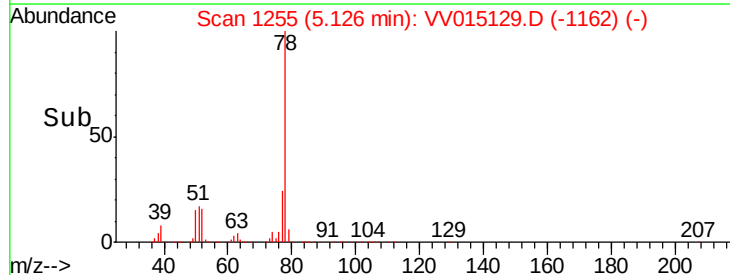
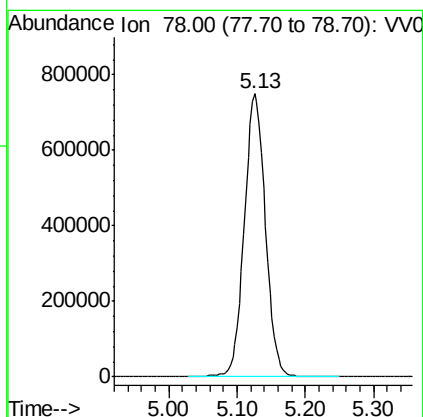
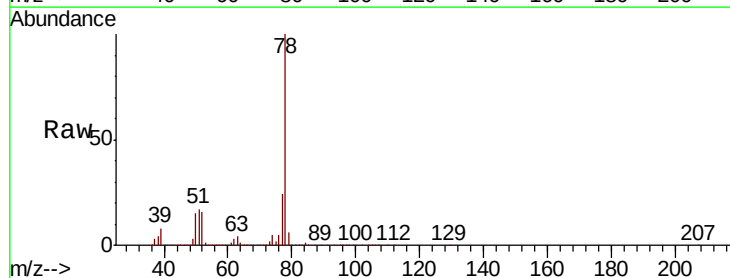
Instrument :
MSVOA_V
ClientSampleId :

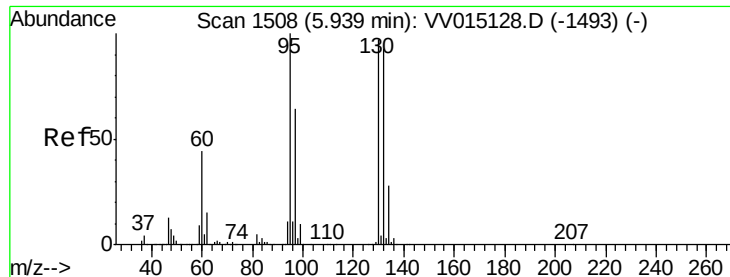
Tot Ion:117 Resp: 452723
Ion Ratio Lower Upper
117 100
119 96.5 74.9 112.3



#33
Benzene
Concen: 100.299 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

Tgt Ion: 78 Resp: 1613729





#34

Trichloroethene

Concen: 95.821 ug/L

RT: 5.94 min Scan# 1507

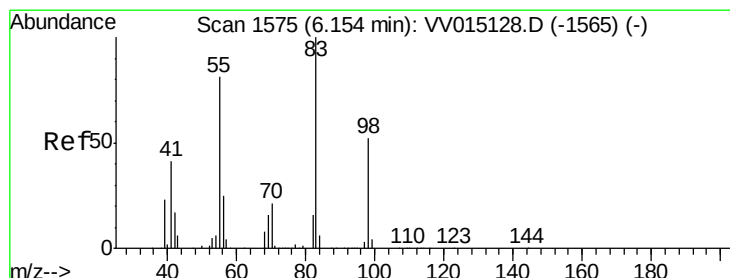
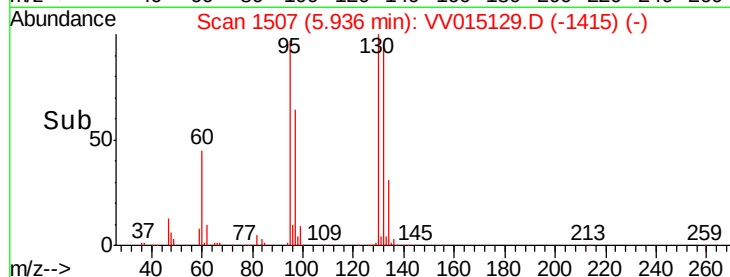
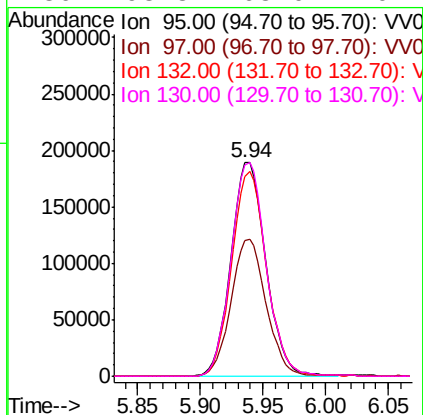
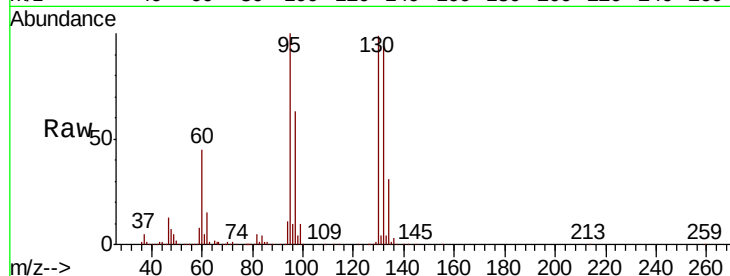
Delta R.T. -0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	95	Resp:	366162
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.7	82.9
132	93.7	65.2	121.2
130	98.8	68.0	126.2



#35

Methylcyclohexane

Concen: 77.287 ug/L

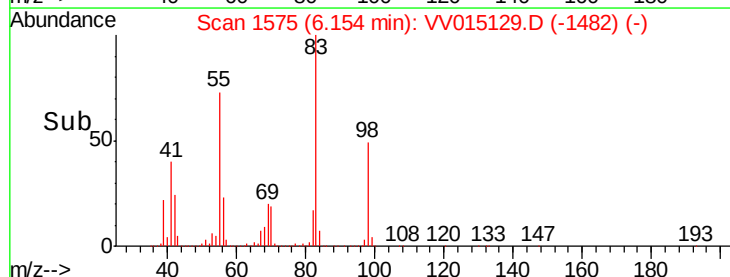
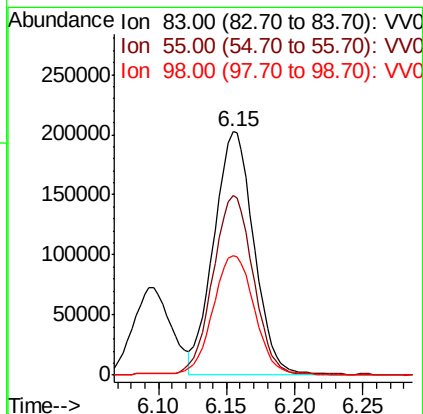
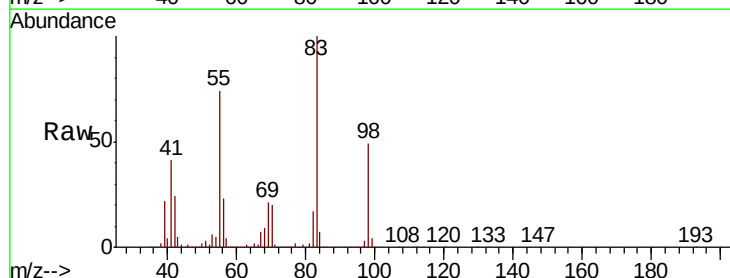
RT: 6.15 min Scan# 1575

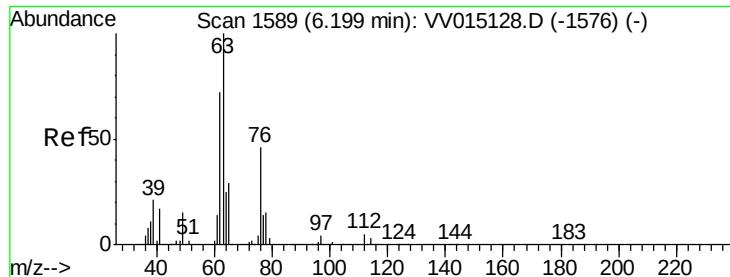
Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Tgt Ion:	83	Resp:	413361
Ion	Ratio	Lower	Upper
83	100		
55	73.5	59.4	89.0
98	50.6	39.8	59.8

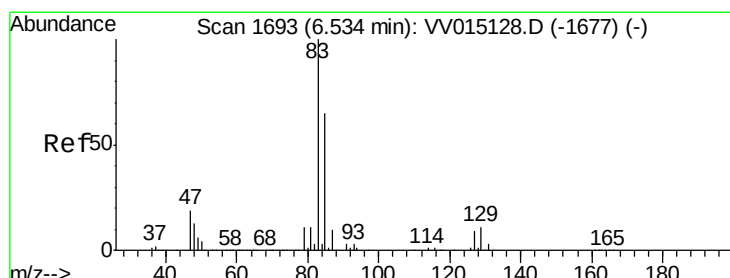
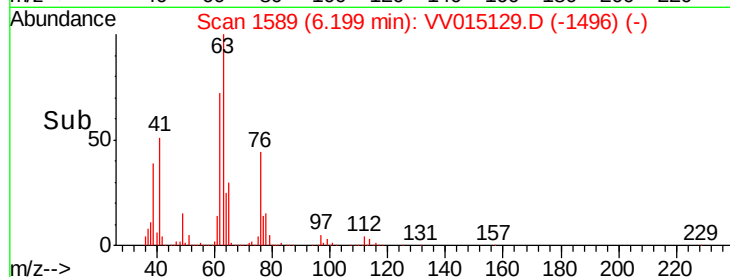
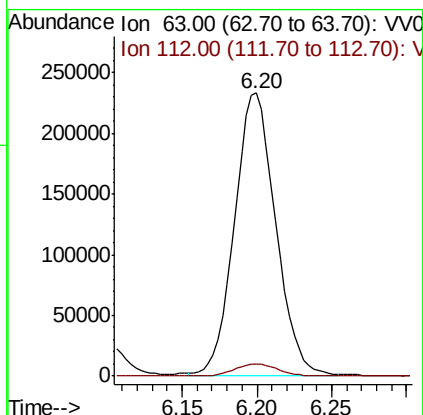
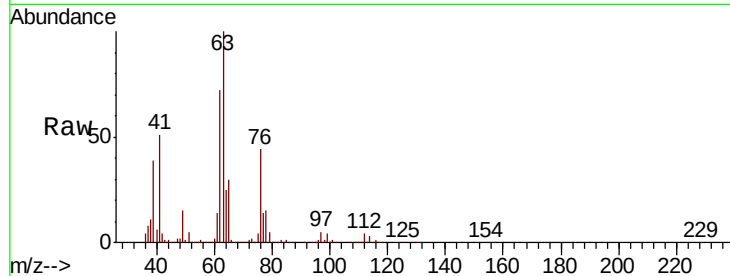




#37
 1,2-Dichloropropane
 Concen: 102.566 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015129.D
 Acq: 25 Mar 2020 05:23

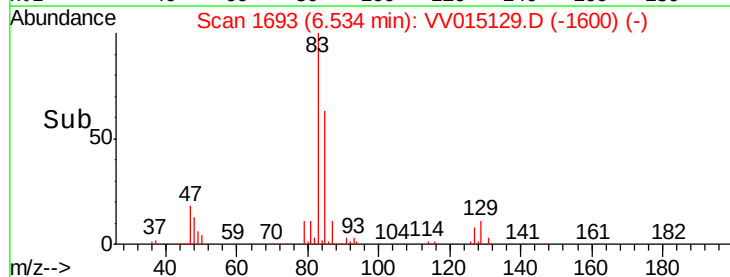
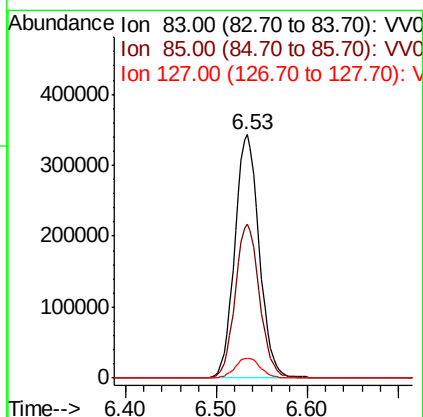
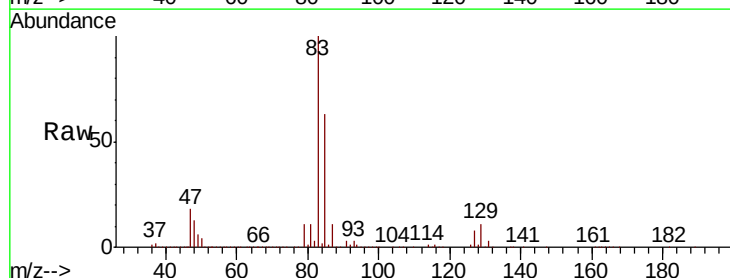
Instrument :
 MSVOA_V
 ClientSampled :

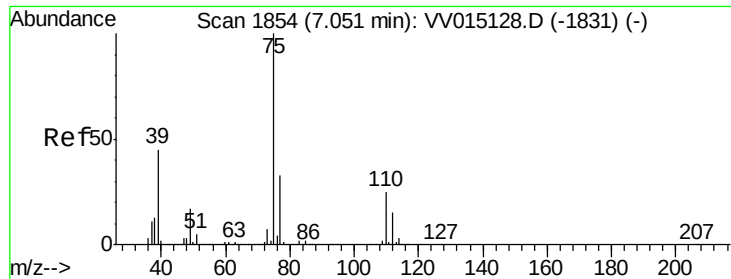
Tot Ion: 63 Resp: 446521
 Ion Ratio Lower Upper
 63 100
 112 4.5 4.0 6.0



#38
 Bromodichloromethane
 Concen: 105.812 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015129.D
 Acq: 25 Mar 2020 05:23

Tgt Ion: 83 Resp: 638197
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.5 84.5
 127 8.3 6.9 10.3



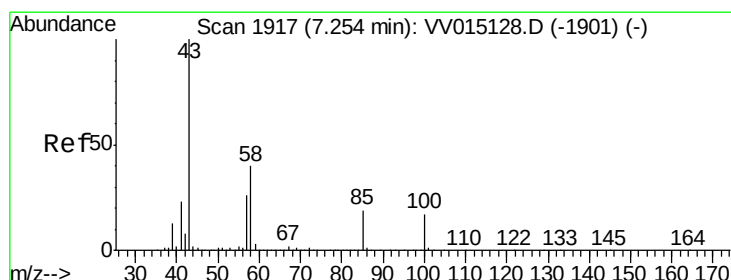
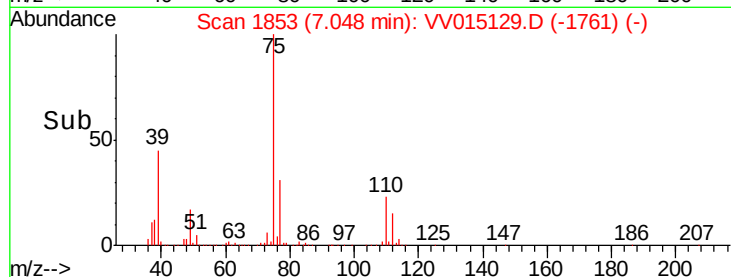
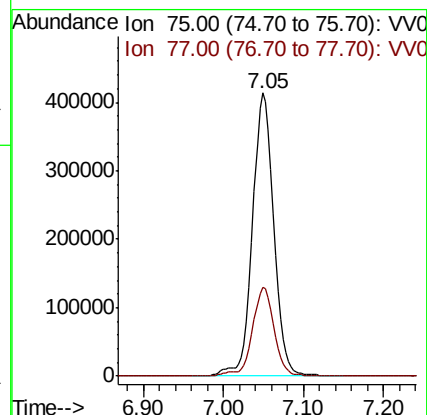
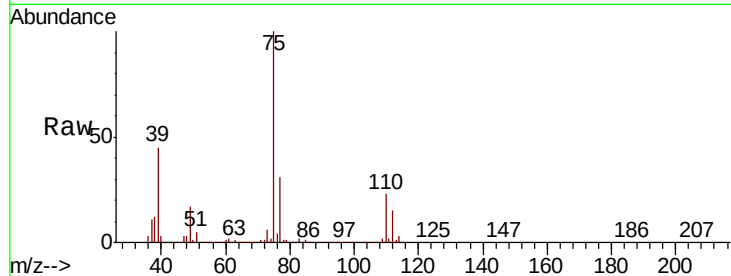


#39

cis-1,3-Dichloropropene
Concen: 105.256 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

Instrument :
MSVOA_V
ClientSampleId :

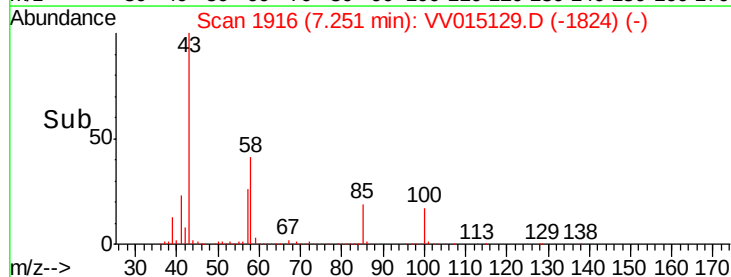
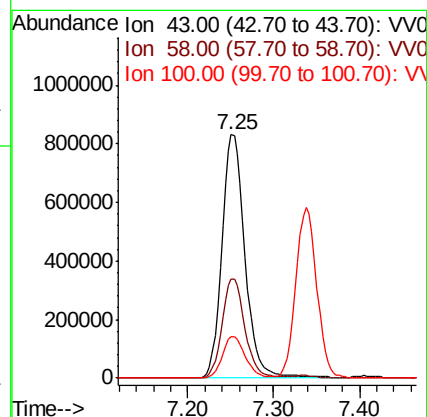
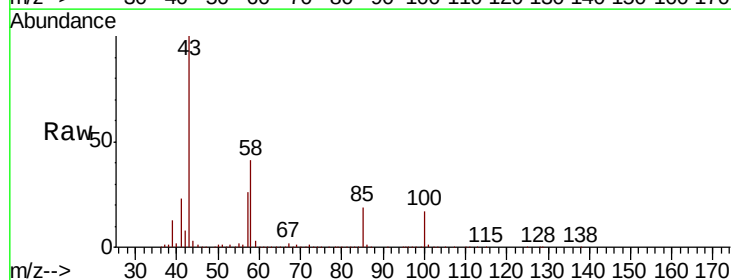
Tot Ion: 75 Resp: 743894
Ion Ratio Lower Upper
75 100
77 31.3 23.0 42.8

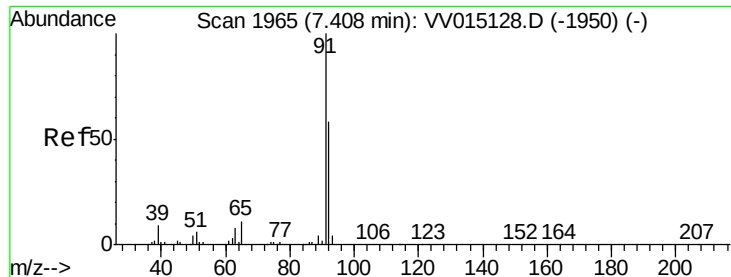


#40

4-Methyl-2-pentanone
Concen: 211.743 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

Tgt Ion: 43 Resp: 1541590
Ion Ratio Lower Upper
43 100
58 40.4 32.8 49.2
100 16.9 13.6 20.4





#42

Toluene

Concen: 96.680 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

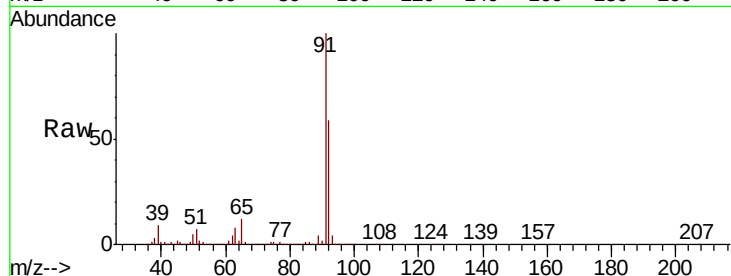
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1623871

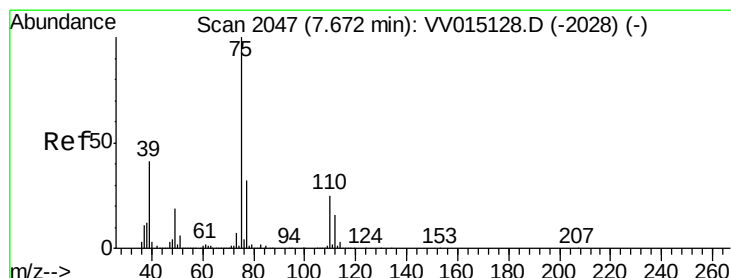
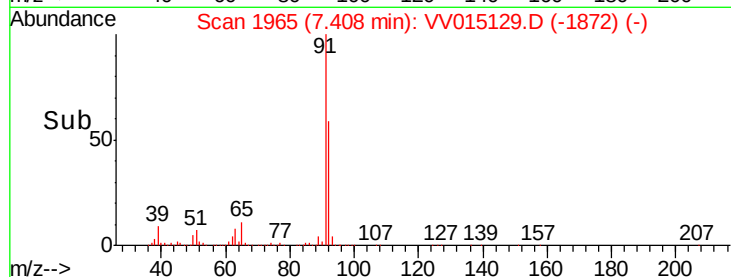
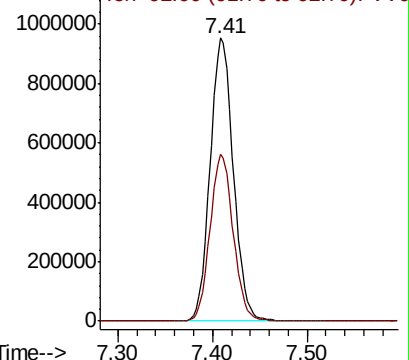
Ion Ratio Lower Upper

91 100

92 59.0 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV015128.D (-1950) (-)



#44

trans-1,3-Dichloropropene

Concen: 109.157 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015129.D

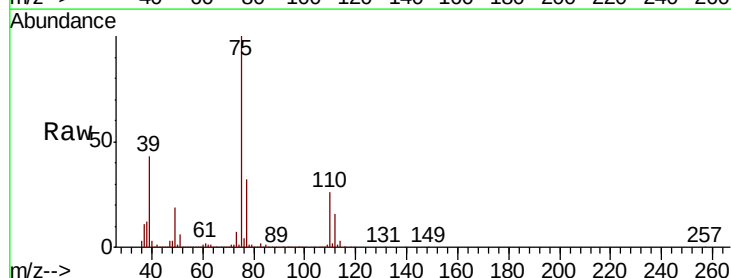
Acq: 25 Mar 2020 05:23

Tgt Ion: 75 Resp: 725405

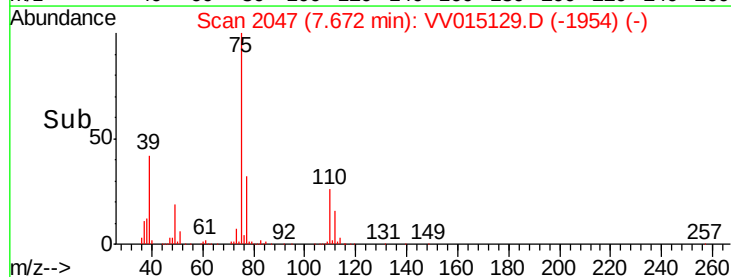
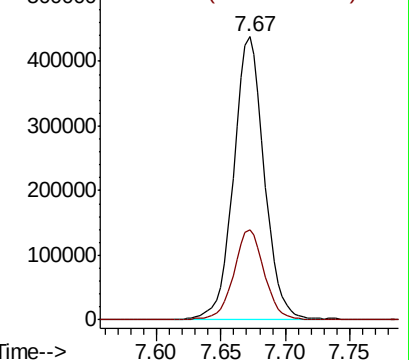
Ion Ratio Lower Upper

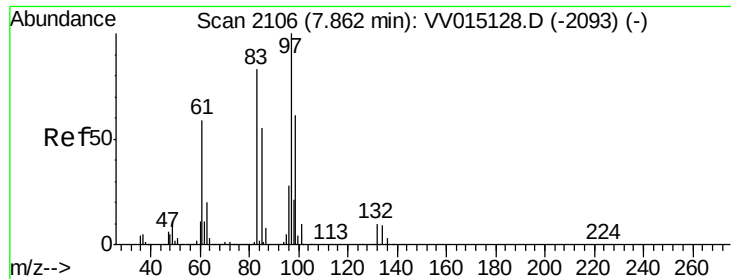
75 100

77 31.7 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV015128.D (-2028) (-)

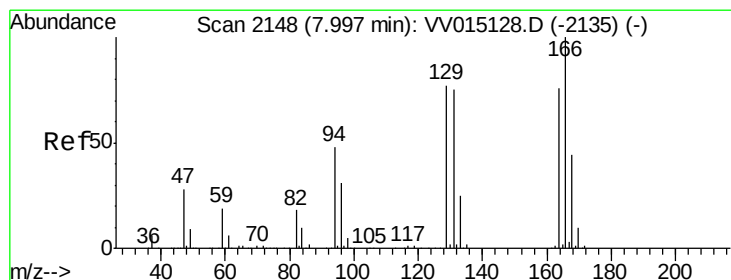
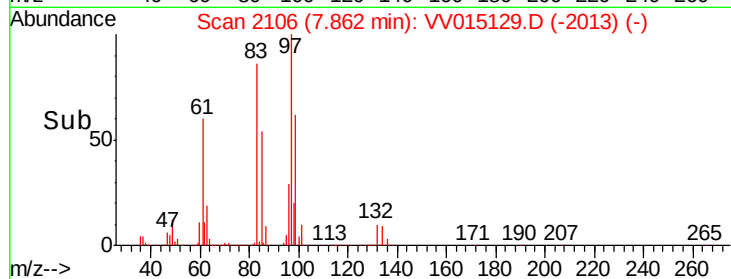
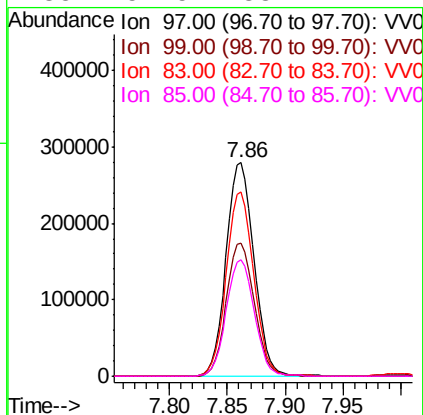
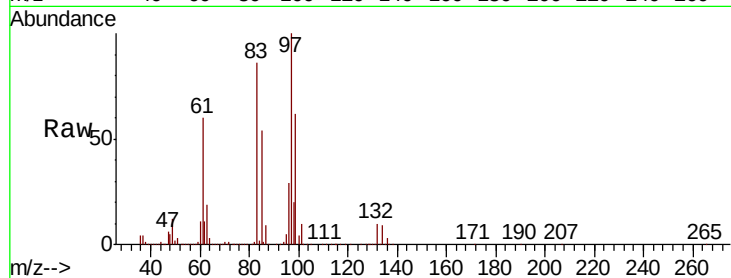




#45
 1,1,2-Trichloroethane
 Concen: 109.735 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015129.D
 Acq: 25 Mar 2020 05:23

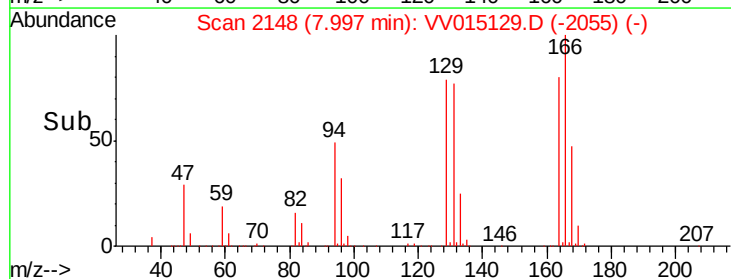
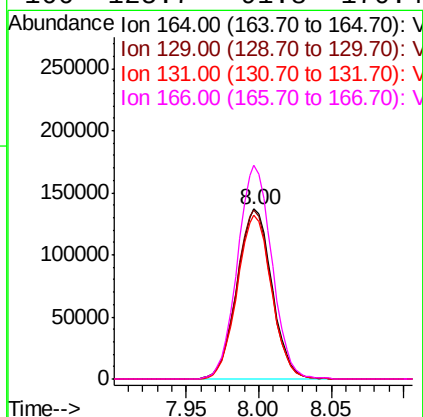
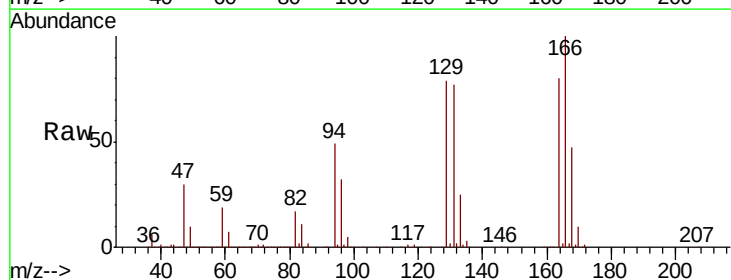
Instrument :
 MSVOA_V
 ClientSampleId :

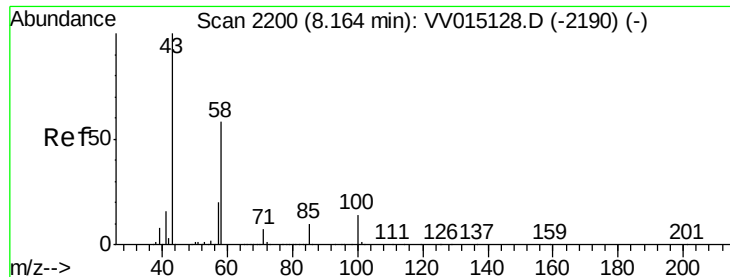
Tot Ion:	97	Resp:	465997
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.7	79.3
83	86.2	58.4	108.6
85	54.5	38.4	71.4



#46
 Tetrachloroethene
 Concen: 89.035 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015129.D
 Acq: 25 Mar 2020 05:23

Tgt Ion:	164	Resp:	228878
Ion	Ratio	Lower	Upper
164	100		
129	99.4	70.8	131.6
131	96.4	68.4	127.0
166	125.7	91.8	170.4

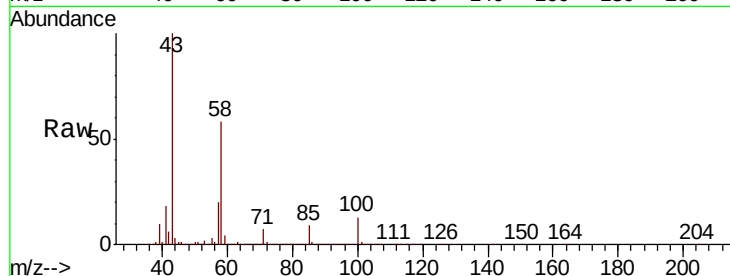




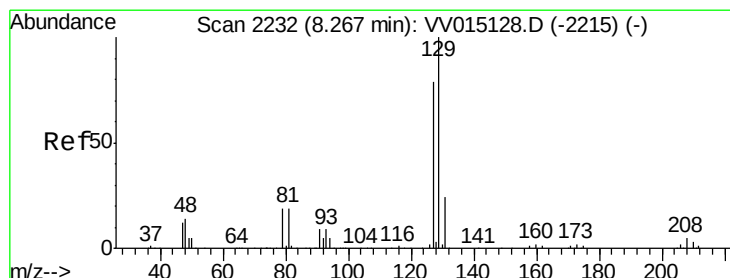
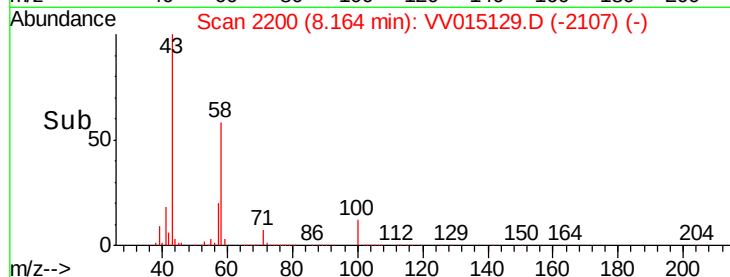
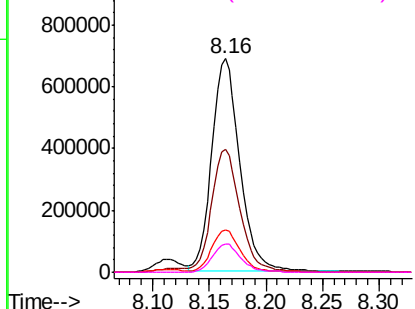
#48
2-Hexanone
Concen: 213.413 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1192532
Ion Ratio Lower Upper
43 100
58 58.2 45.0 67.6
57 19.8 14.6 22.0
100 13.5 10.6 16.0

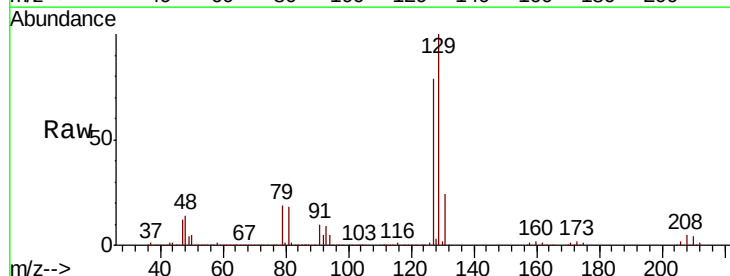


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

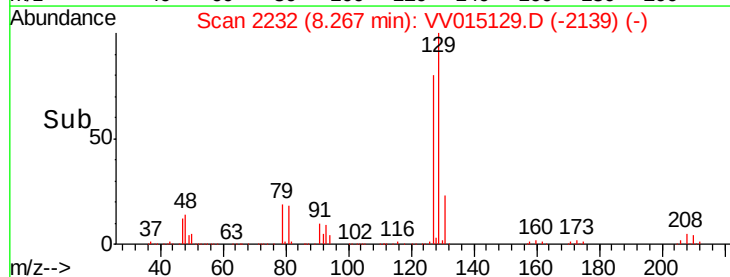
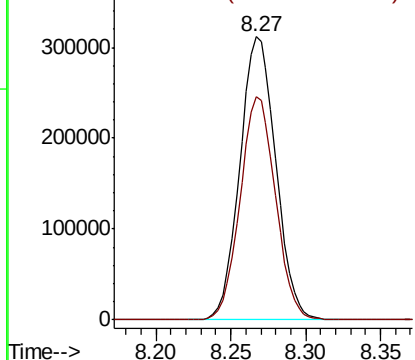


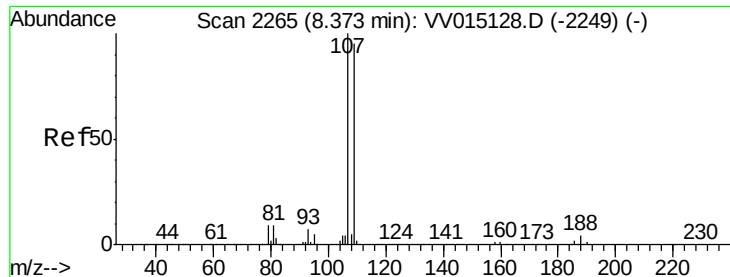
#49
Dibromochloromethane
Concen: 107.934 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

Tgt Ion: 129 Resp: 522312
Ion Ratio Lower Upper
129 100
127 78.8 55.4 102.8



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

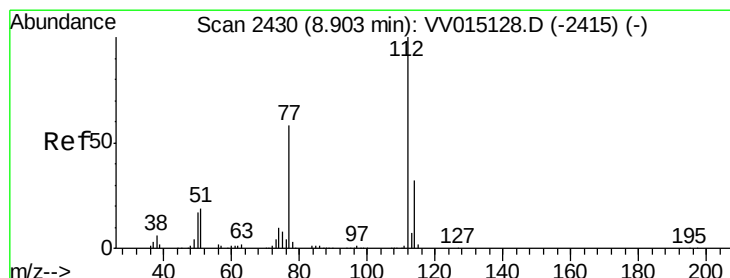
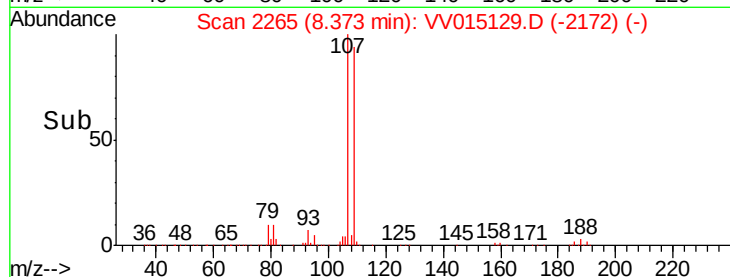
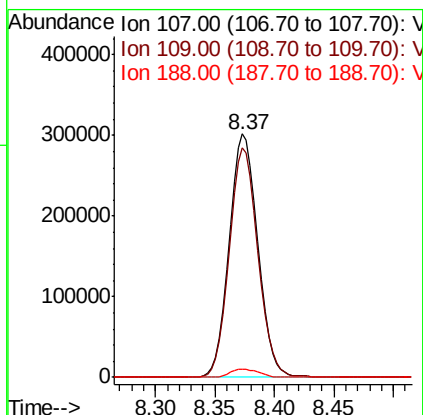
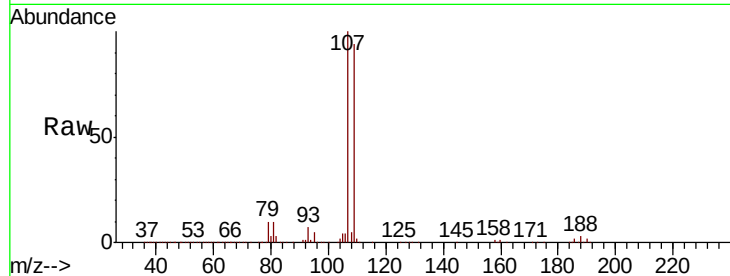




#50
1,2-Dibromoethane
Concen: 108.320 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

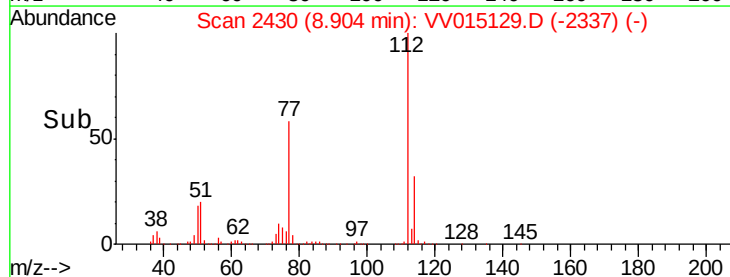
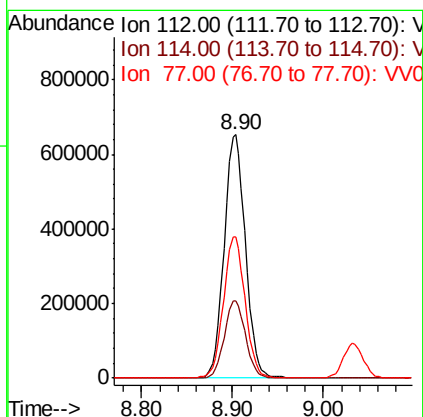
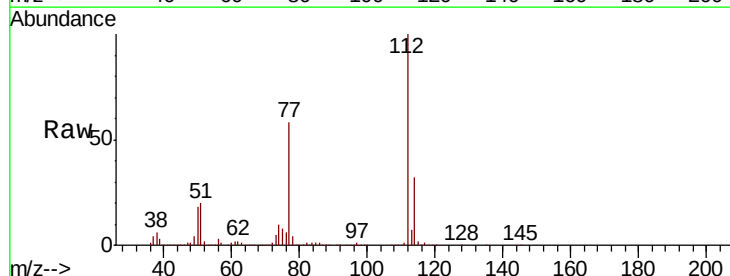
Instrument :
MSVOA_V
ClientSampleId :

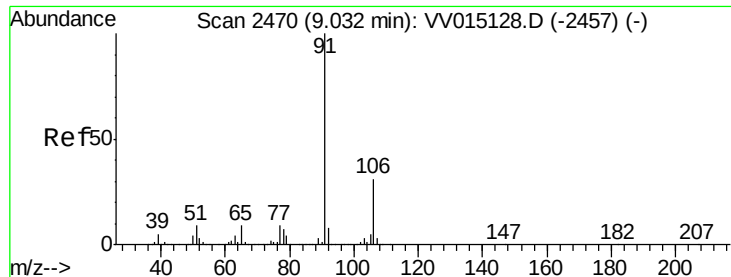
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	66.1	122.8
188	3.3	2.8	4.2



#51
Chlorobenzene
Concen: 98.262 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.3
77	57.8	47.0	70.4





#52

Ethylbenzene

Concen: 91.698 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

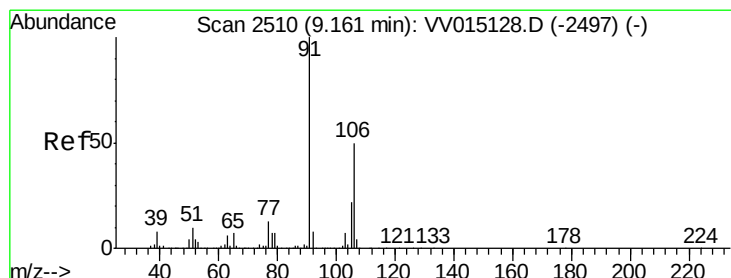
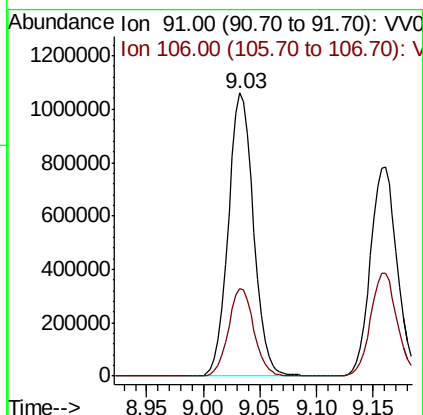
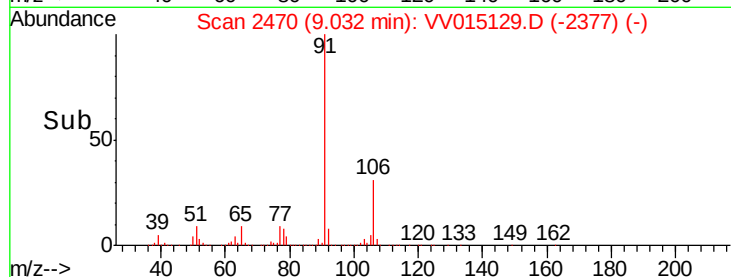
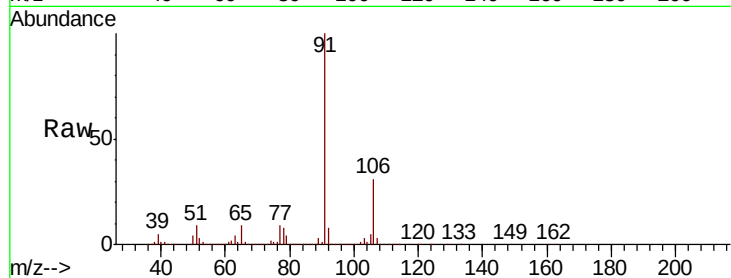
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1646607

Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



#53

m,p-Xylene

Concen: 92.004 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015129.D

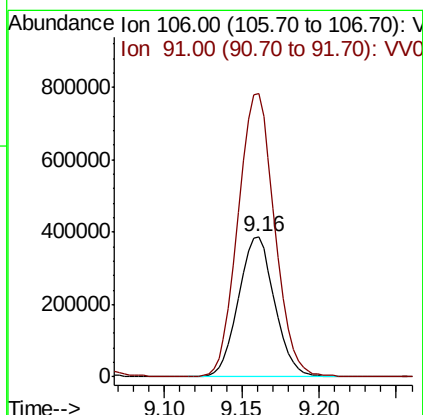
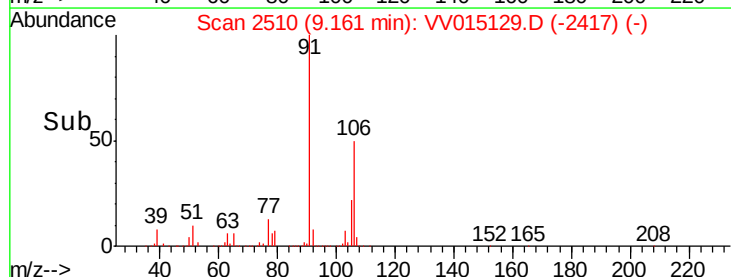
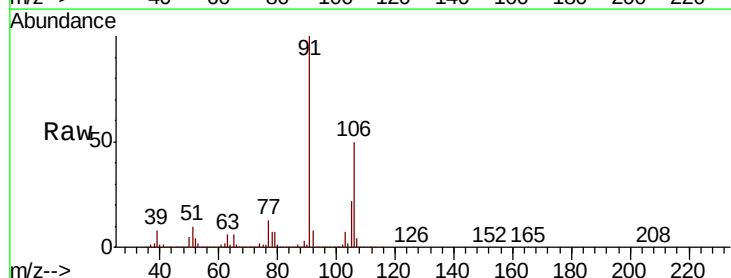
Acq: 25 Mar 2020 05:23

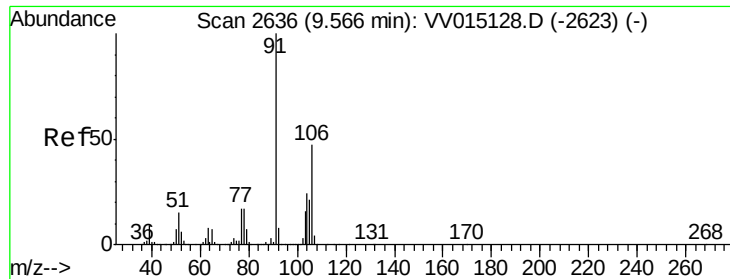
Tgt Ion: 106 Resp: 628070

Ion Ratio Lower Upper

106 100

91 201.7 141.3 262.5

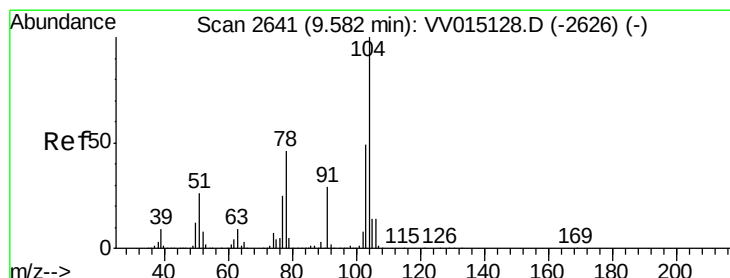
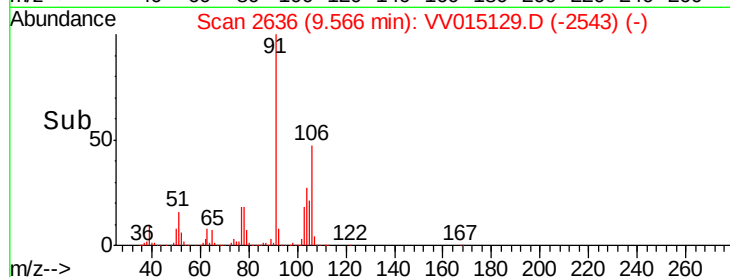
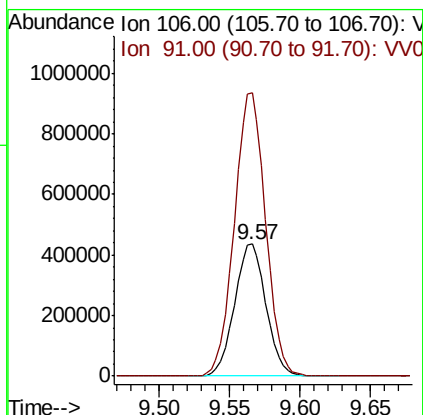
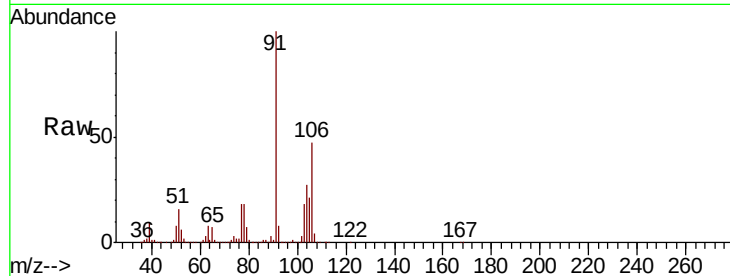




#54
o-xylene
Concen: 95.511 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

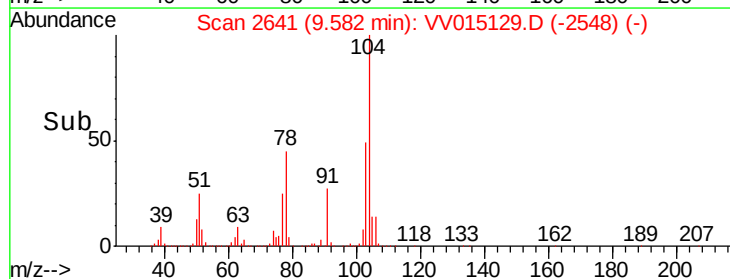
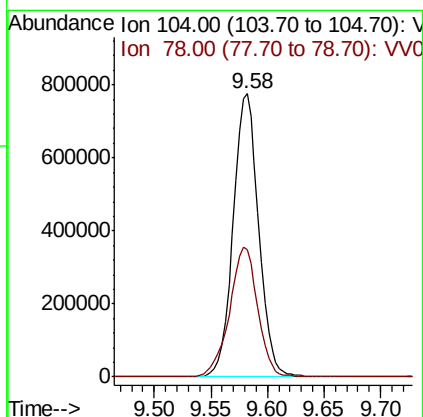
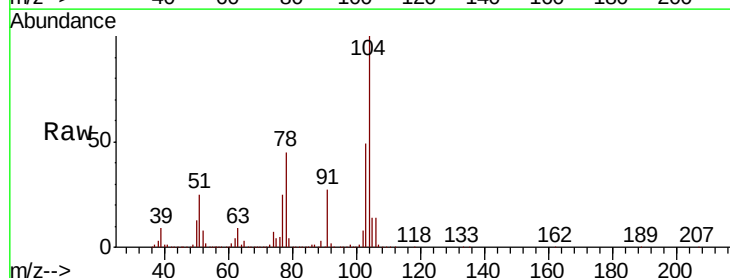
Instrument :
MSVOA_V
ClientSampleId :

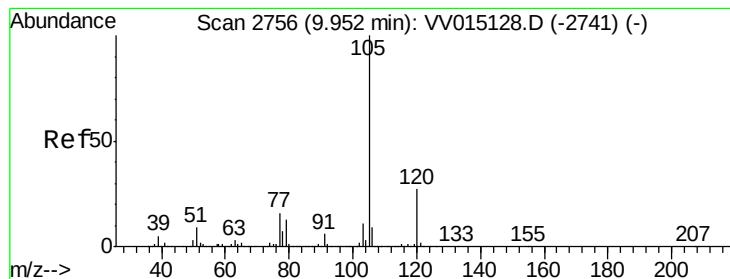
Tot Ion:106 Resp: 679366
Ion Ratio Lower Upper
106 100
91 214.7 149.0 276.8



#55
Styrene
Concen: 98.687 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015129.D
Acq: 25 Mar 2020 05:23

Tgt Ion:104 Resp: 1216159
Ion Ratio Lower Upper
104 100
78 45.0 32.1 59.5





#56

Isopropylbenzene

Concen: 88.009 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Instrument :

MSVOA_V

ClientSampled :

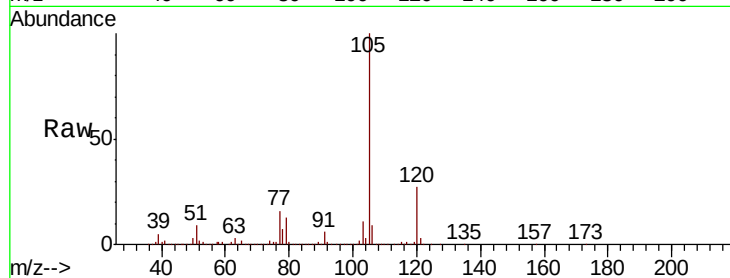
Tot Ion:105 Resp: 1516195

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

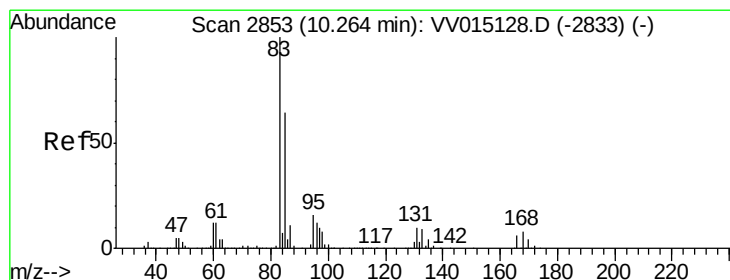
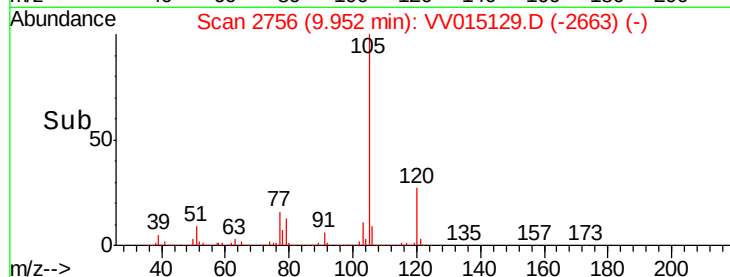
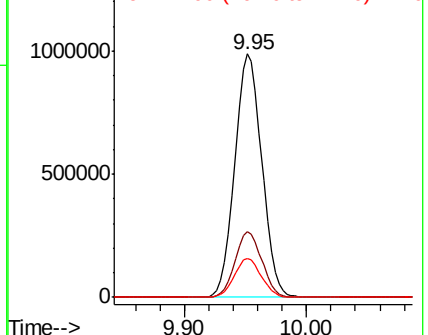
77 16.0 12.8 19.2



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: 108.363 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

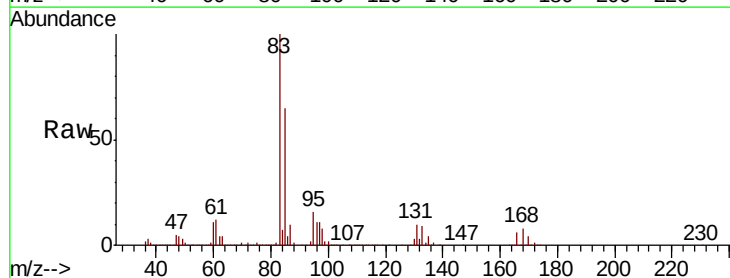
Tgt Ion: 83 Resp: 786095

Ion Ratio Lower Upper

83 100

85 64.7 44.6 82.8

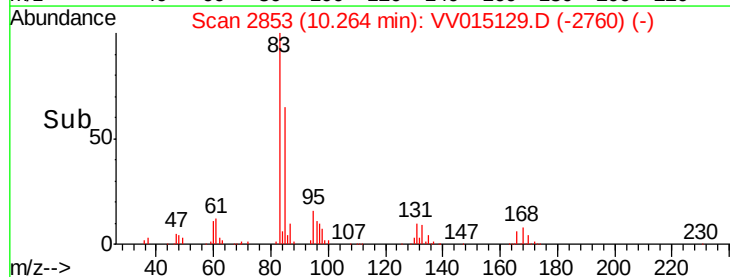
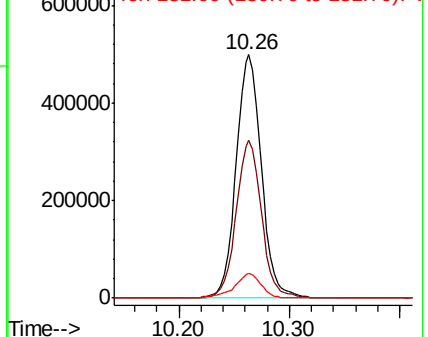
131 10.0 7.8 11.8

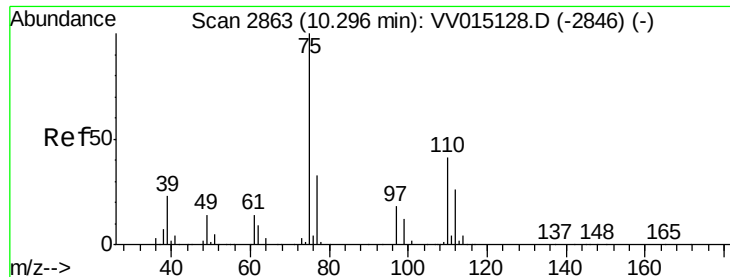


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 107.462 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Instrument :

MSVOA_V

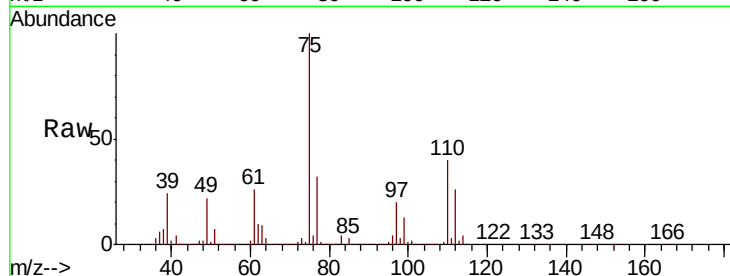
ClientSampleId :

Tot Ion: 75 Resp: 631276

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV015128.D (-2846) (-)

Ion 77.00 (76.70 to 77.70): VV015128.D (-2846) (-)

10.30

400000

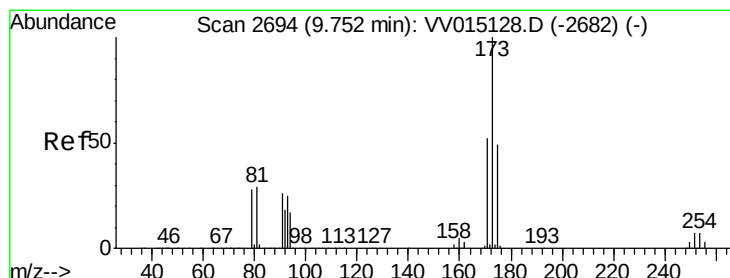
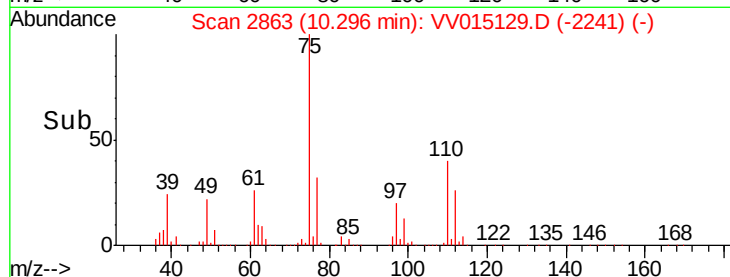
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 112.515 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

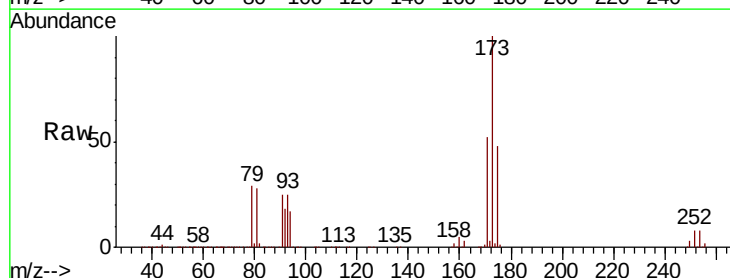
Tgt Ion: 173 Resp: 374472

Ion Ratio Lower Upper

173 100

175 48.1 38.5 57.7

254 7.9 6.0 9.0



Abundance Ion 173.00 (172.70 to 173.70): VV015128.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015128.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015128.D (-2682) (-)

9.75

300000

250000

200000

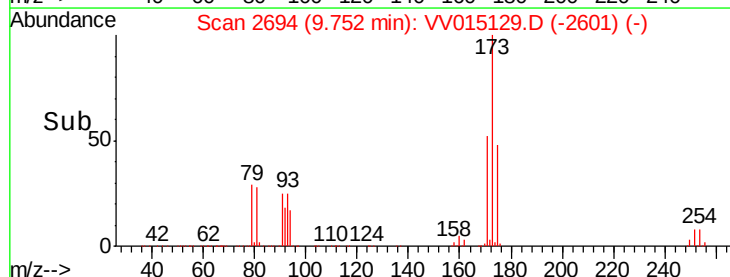
150000

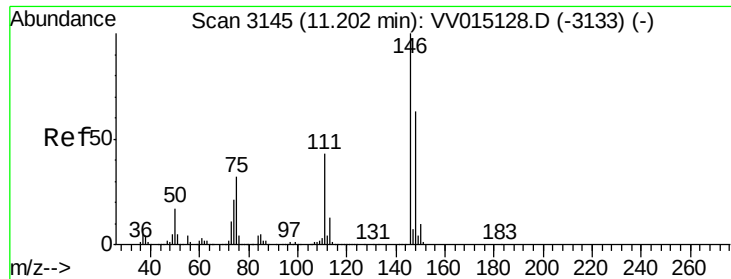
100000

50000

0

Time-->

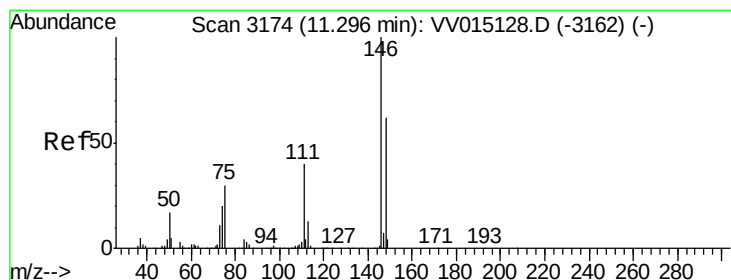
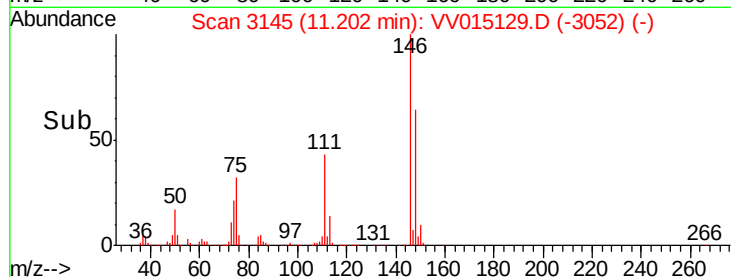
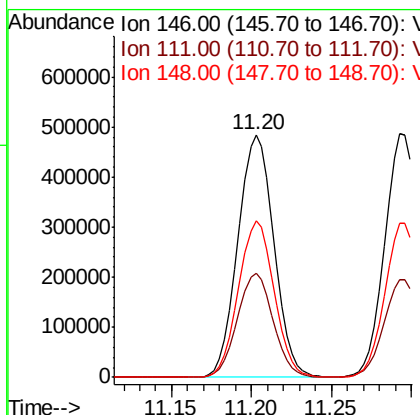
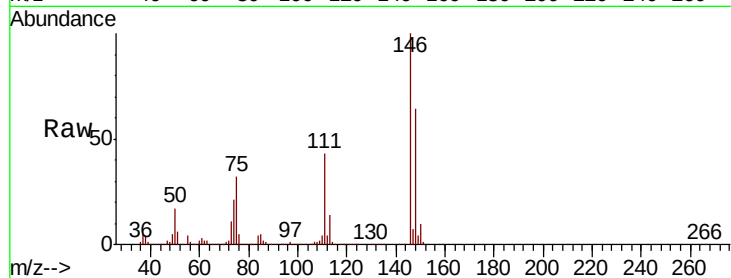




#62
 1,3-Dichlorobenzene
 Concen: 97.243 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015129.D
 Acq: 25 Mar 2020 05:23

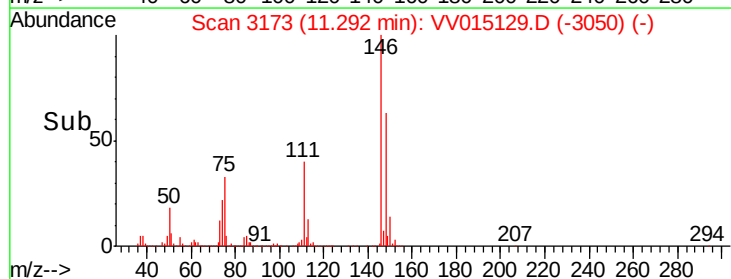
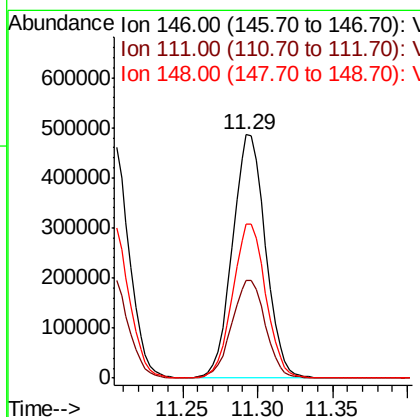
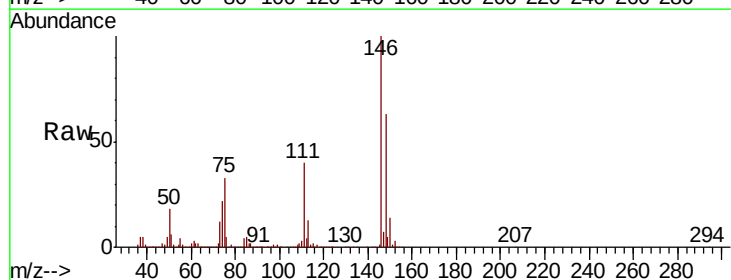
Instrument :
 MSVOA_V
 ClientSampleId :

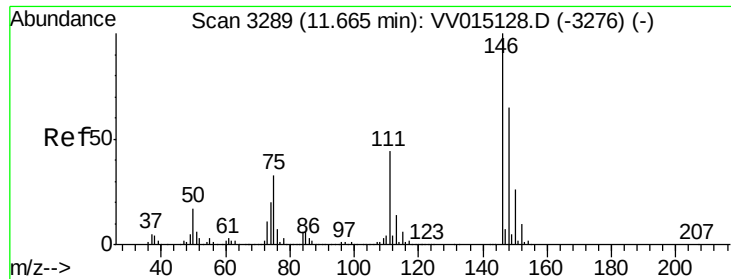
Tot Ion:146 Resp: 741820
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.8 55.3
 148 64.5 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 96.597 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV015129.D
 Acq: 25 Mar 2020 05:23

Tgt Ion:146 Resp: 744333
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.6 53.0
 148 63.1 43.8 81.3

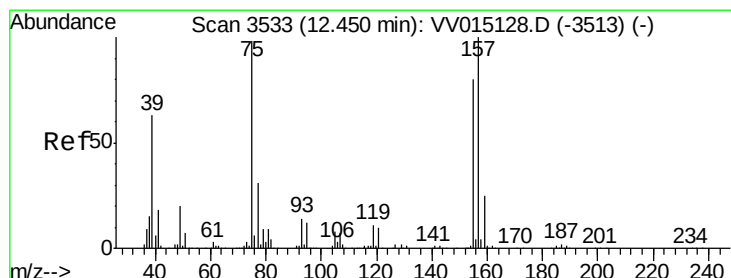
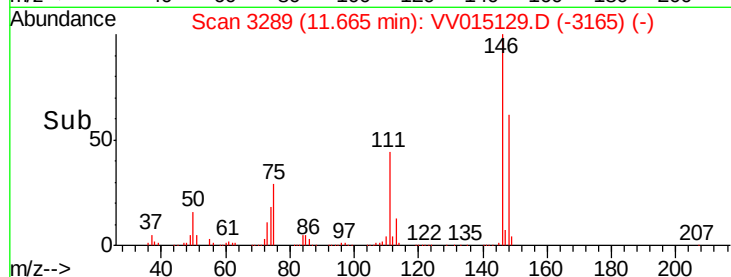
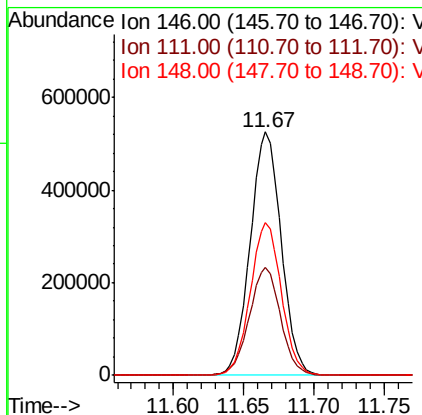
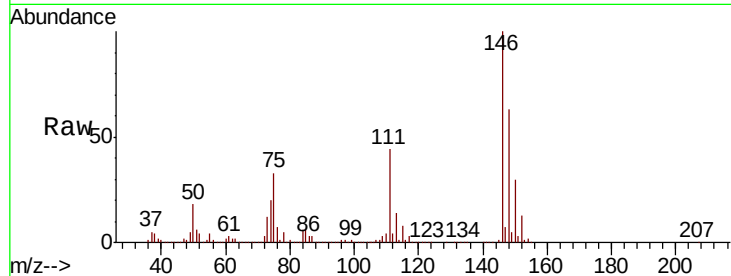




#65
 1,2-Dichlorobenzene
 Concen: 101.041 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015129.D
 Acq: 25 Mar 2020 05:23

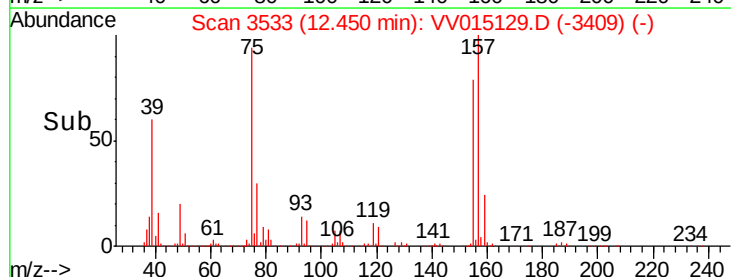
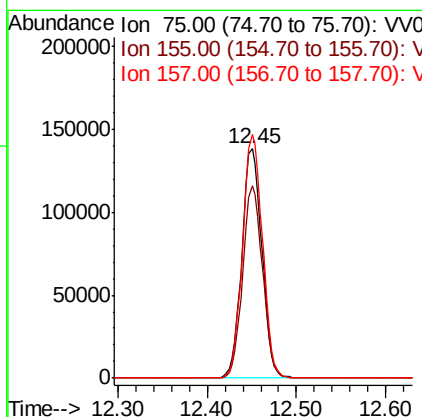
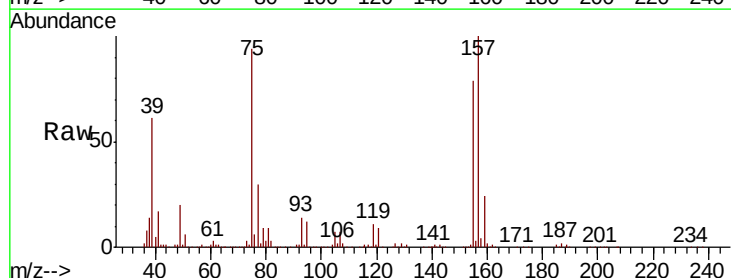
Instrument :
 MSVOA_V
 ClientSampleId :

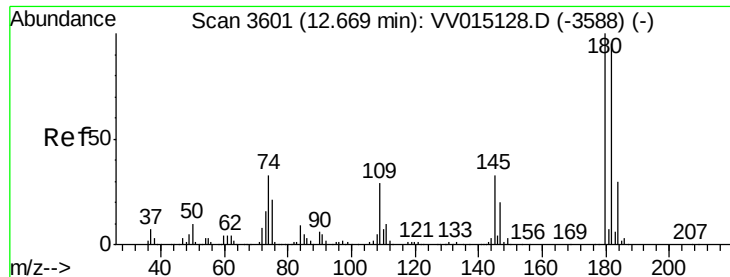
Tot Ion:146 Resp: 810862
 Ion Ratio Lower Upper
 146 100
 111 44.3 35.4 53.0
 148 62.6 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 114.493 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV015129.D
 Acq: 25 Mar 2020 05:23

Tgt Ion: 75 Resp: 217147
 Ion Ratio Lower Upper
 75 100
 155 83.7 64.9 97.3
 157 106.2 81.6 122.4

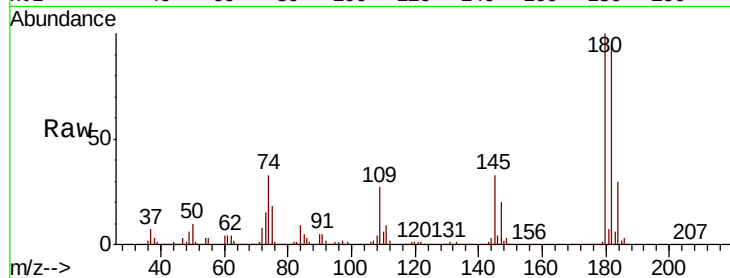




#67
 1,3,5-Trichlorobenzene
 Concen: 90.221 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015129.D
 Acq: 25 Mar 2020 05:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.6
184	30.2	24.0	36.0
145	33.2	26.5	39.7



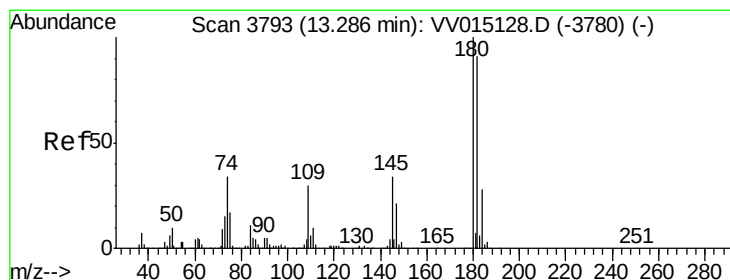
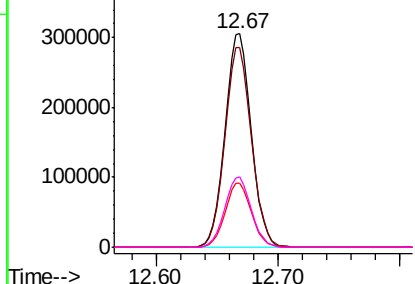
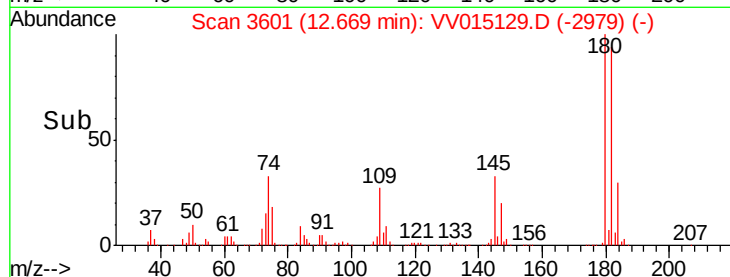
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

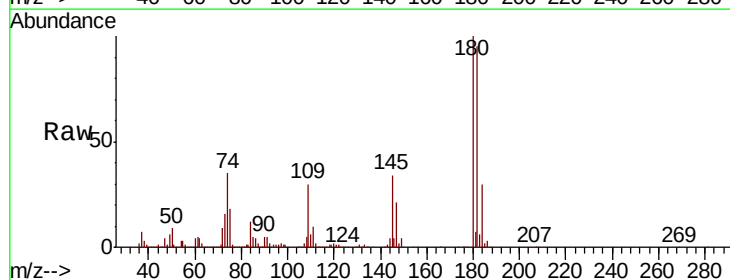
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 96.975 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015129.D
 Acq: 25 Mar 2020 05:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.0	112.4
145	33.1	27.8	41.6

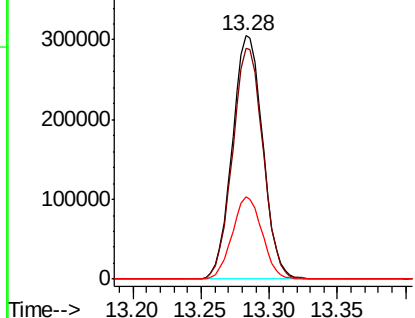
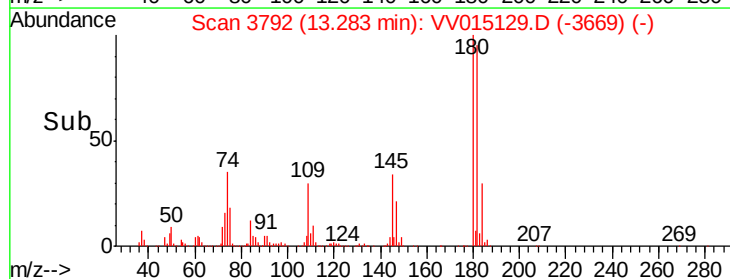


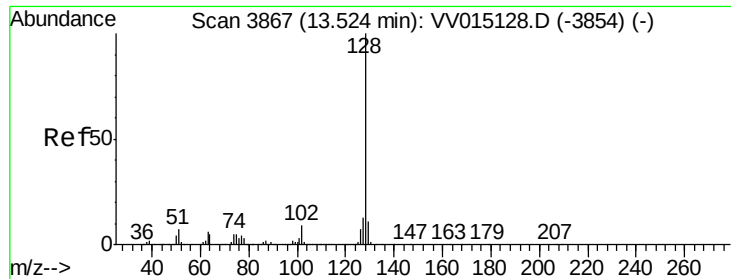
Abundance

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: 186.053 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

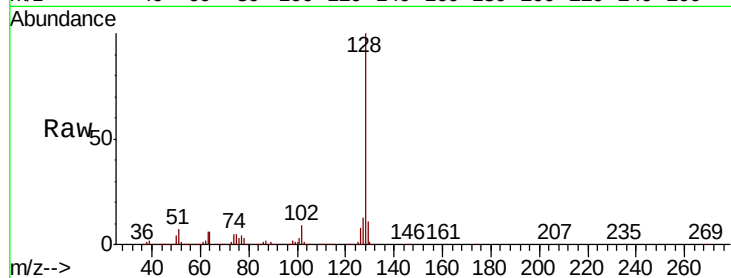
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 2293042

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	9.0	13.4

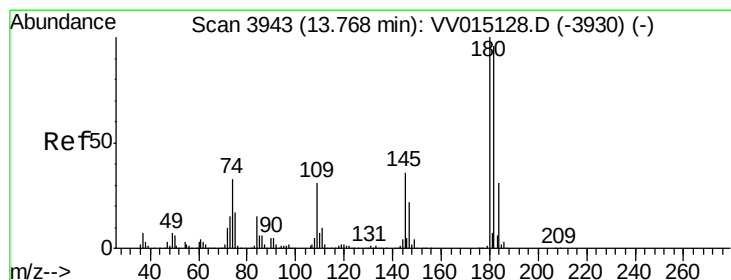
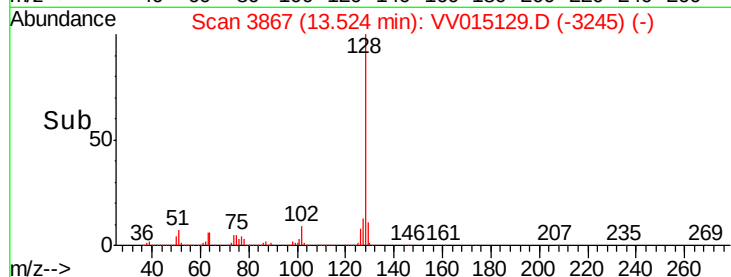
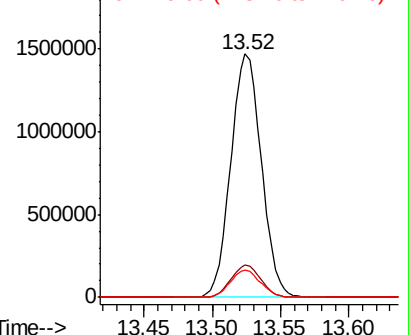


Abundance

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: 100.653 ug/L

RT: 13.77 min Scan# 3943

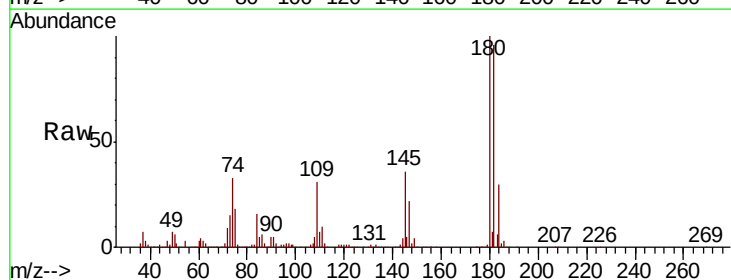
Delta R.T. 0.00 min

Lab File: VV015129.D

Acq: 25 Mar 2020 05:23

Tgt Ion:180 Resp: 512872

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.4	116.2
145	36.2	29.0	43.6



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

