

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016429.D
 Acq On : 02 Jun 2020 15:55
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 00:17:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 00:15:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	382035	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	367928	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	182539	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13220	4.77	ug/L	0.00
7) Chloroethane-d5	1.58	69	9910	4.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	23102	4.49	ug/L	0.00
21) 2-Butanone-d5	3.94	46	7166	4.34	ug/L	0.02
24) Chloroform-d	4.38	84	24380	4.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	16401	4.57	ug/L	0.00
32) Benzene-d6	5.08	84	45725	4.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	14391	4.51	ug/L	0.00
41) Toluene-d8	7.34	98	40521	4.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	6510	4.12	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	10711	9.90	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	20037	4.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	16858	4.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17448	5.889	ug/L 97
3) Chloromethane	1.25	50	16533	5.417	ug/L 97
5) Vinyl chloride	1.32	62	15729	5.332	ug/L 94
6) Bromomethane	1.53	94	7662	4.416	ug/L 89
8) Chloroethane	1.60	64	9087	4.802	ug/L 97
9) Trichlorofluoromethane	1.77	101	23191	5.796	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11360	4.767	ug/L 90
12) 1,1-Dichloroethene	2.13	96	11348	5.117	ug/L 91
13) Acetone	2.21	43	7463	4.666	ug/L 49
14) Carbon disulfide	2.31	76	38253	5.854	ug/L 98
16) Methylene chloride	2.52	84	17821	6.223	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	14223	5.705	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	42602	5.102	ug/L 98
19) 1,1-Dichloroethane	3.21	63	26958	5.400	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	15256	5.560	ug/L 98
23) Bromochloromethane	4.27	128	7803	5.418	ug/L 97
25) Chloroform	4.40	83	28330	5.433	ug/L 93
27) 1,2-Dichloroethane	5.15	62	22131	5.276	ug/L 97
29) Cyclohexane	4.70	56	22554	5.380	ug/L 99
30) 1,1,1-Trichloroethane	4.63	97	23281	5.113	ug/L 98
31) Carbon tetrachloride	4.85	117	20209	5.260	ug/L 100
33) Benzene	5.13	78	56769	5.436	ug/L 100
34) Trichloroethene	5.94	95	15316	5.686	ug/L 97
35) Methylcyclohexane	6.15	83	20463	4.936	ug/L 99
37) 1,2-Dichloropropane	6.20	63	14856	5.317	ug/L 97
38) Bromodichloromethane	6.53	83	17953	4.810	ug/L 96
39) cis-1,3-Dichloropropene	7.05	75	18572	4.418	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	37713	10.638	ug/L 100
42) Toluene	7.41	91	58852	5.268	ug/L 97
44) trans-1,3-Dichloropropene	7.67	75	18347	4.397	ug/L 99

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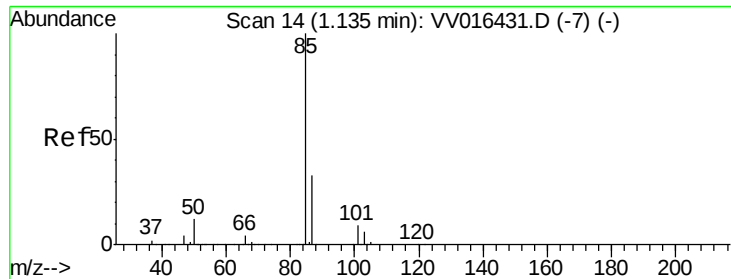
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 00:17:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.86	97	14491	5.570	ug/L	97
46) Tetrachloroethene	8.00	164	10889	5.244	ug/L	94
48) 2-Hexanone	8.16	43	30389	11.316	ug/L #	93
49) Dibromochloromethane	8.27	129	12326	4.564	ug/L	95
50) 1,2-Dibromoethane	8.37	107	15121	5.596	ug/L #	97
51) Chlorobenzene	8.90	112	40186	5.524	ug/L	99
52) Ethylbenzene	9.03	91	61940	4.942	ug/L	100
53) m,p-Xylene	9.16	106	22755	4.864	ug/L	97
54) o-xylene	9.56	106	22324	4.900	ug/L	99
55) Styrene	9.58	104	38364	4.904	ug/L	100
56) Isopropylbenzene	9.95	105	58803	4.890	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	23633	5.800	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	19481	5.845	ug/L	99
61) Bromoform	9.75	173	6813	4.104	ug/L #	96
62) 1,3-Dichlorobenzene	11.20	146	30133	5.399	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	32242	5.640	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	31158	5.519	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	4382	5.075	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	20880	5.455	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	19351	5.632	ug/L	99
69) Naphthalene	13.53	128	55482	5.554	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	18385	5.355	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.889 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

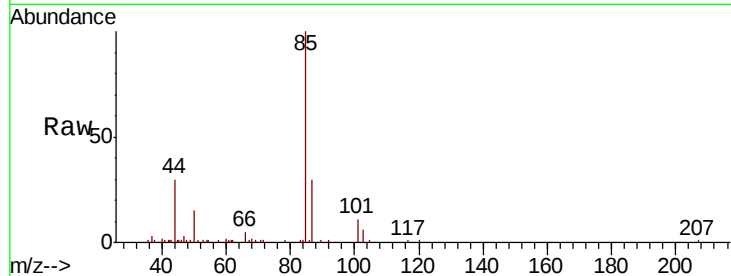
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 17448

Ion Ratio Lower Upper

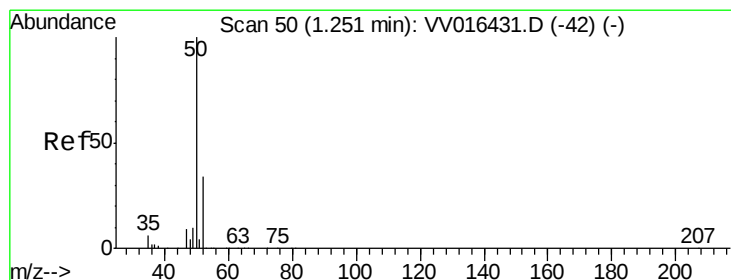
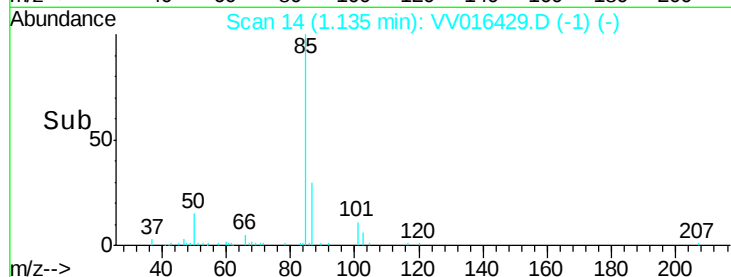
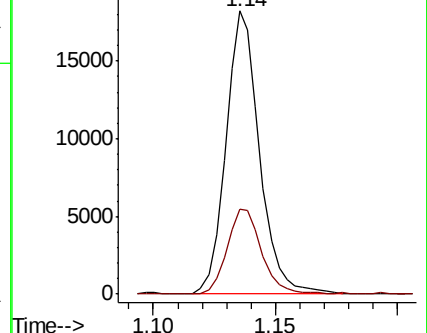
85 100

87 31.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV016429.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016429.D (-1) (-)



#3

Chloromethane

Concen: 5.417 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016429.D

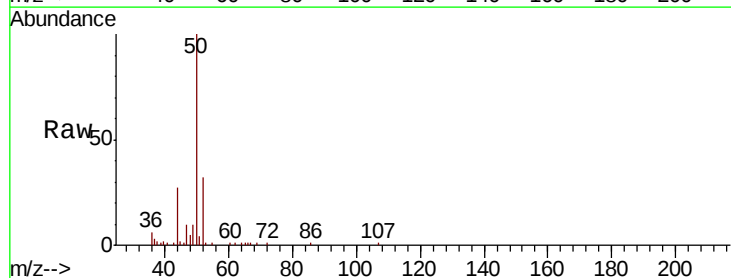
Acq: 02 Jun 2020 15:55

Tgt Ion: 50 Resp: 16533

Ion Ratio Lower Upper

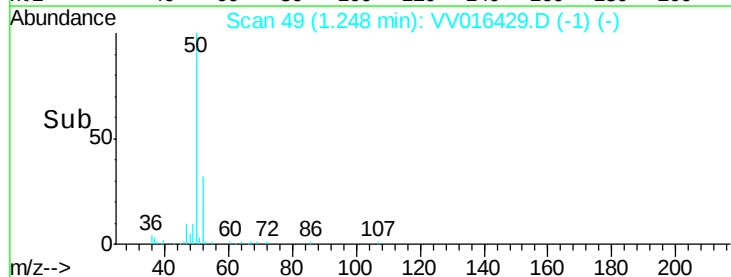
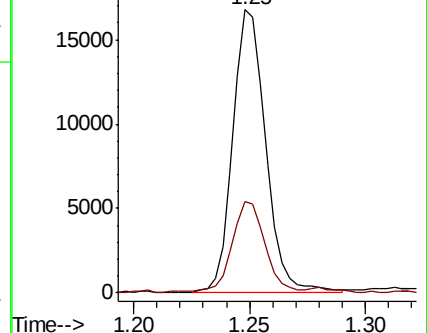
50 100

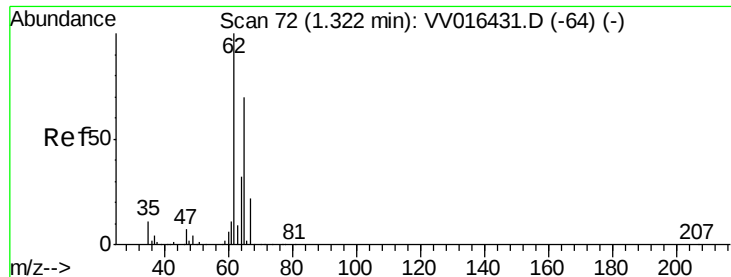
52 32.1 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV016429.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV016429.D (-1) (-)





#5

Vinyl chloride

Concen: 5.332 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :

MSVOA_V

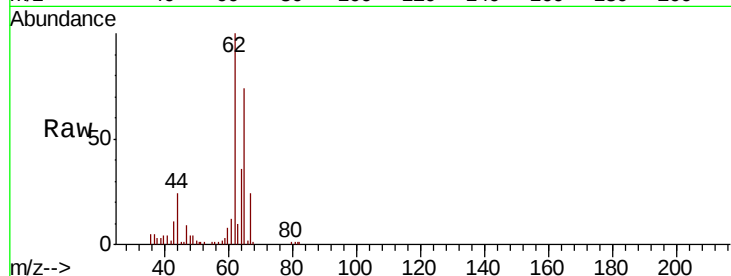
ClientSampleId :

Tot Ion: 62 Resp: 15729

Ion Ratio Lower Upper

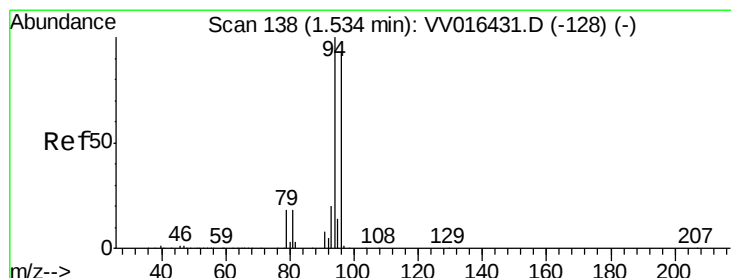
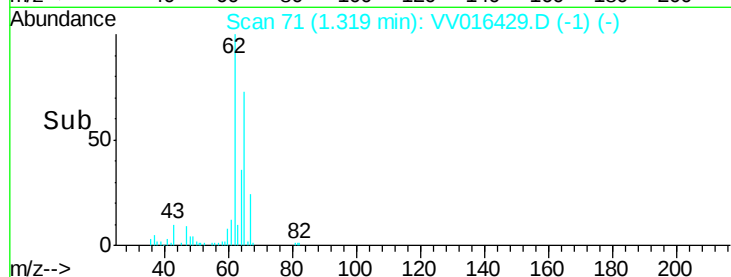
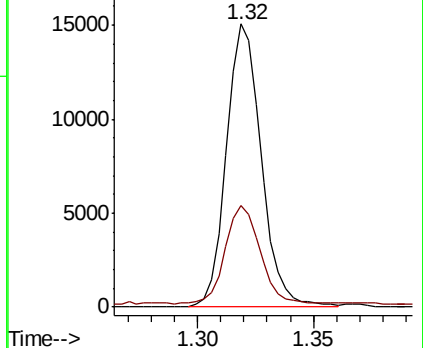
62 100

64 35.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 4.416 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV016429.D

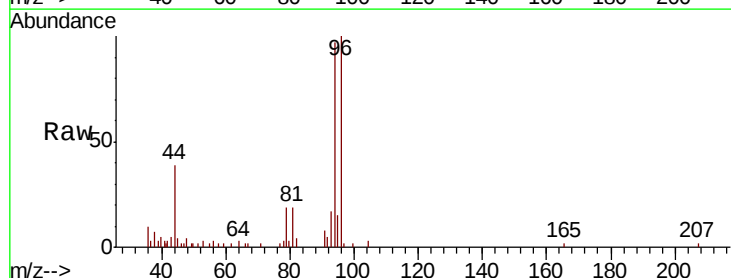
Acq: 02 Jun 2020 15:55

Tgt Ion: 94 Resp: 7662

Ion Ratio Lower Upper

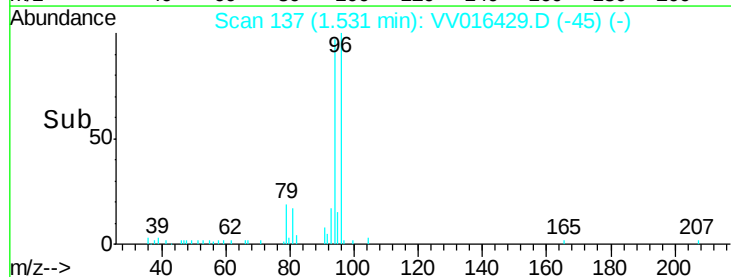
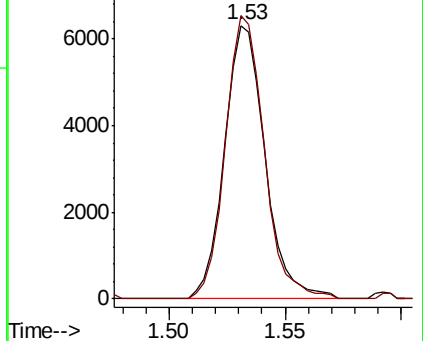
94 100

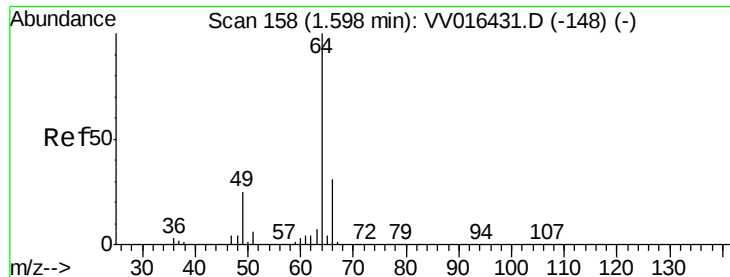
96 103.4 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.802 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :

MSVOA_V

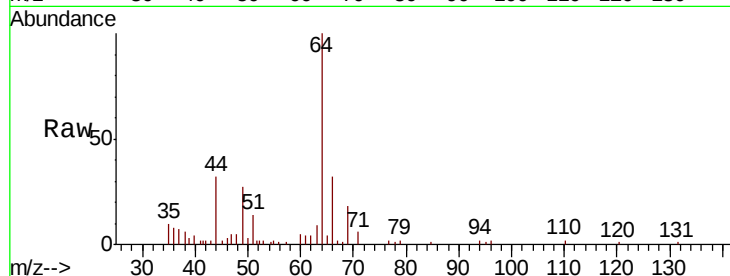
ClientSampleId :

Tot Ion: 64 Resp: 9087

Ion Ratio Lower Upper

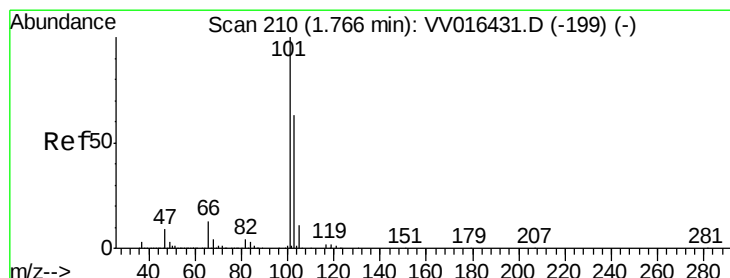
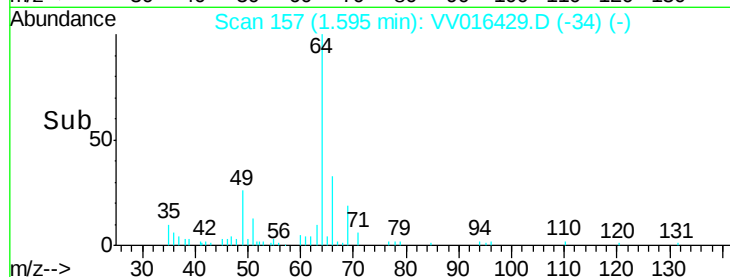
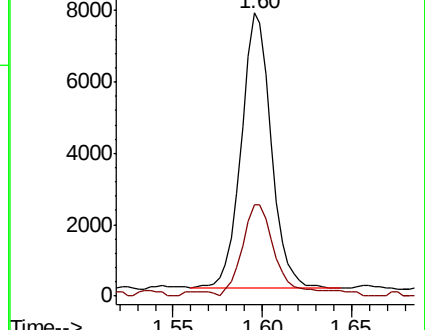
64 100

66 32.2 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016429.D (-34) (-)

Ion 66.00 (65.70 to 66.70): VV016429.D (-34) (-)



#9

Trichlorofluoromethane

Concen: 5.796 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016429.D

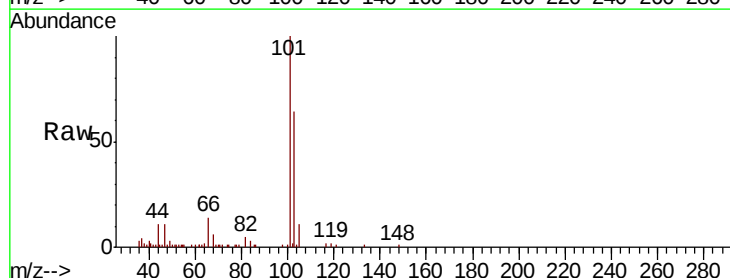
Acq: 02 Jun 2020 15:55

Tgt Ion: 101 Resp: 23191

Ion Ratio Lower Upper

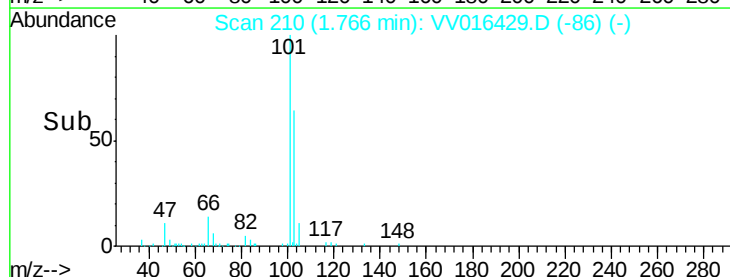
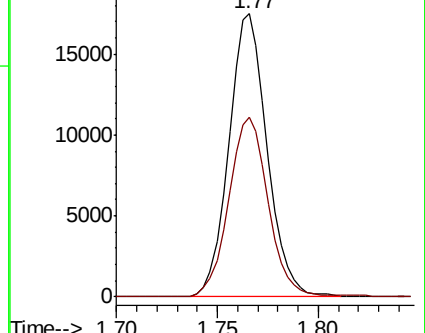
101 100

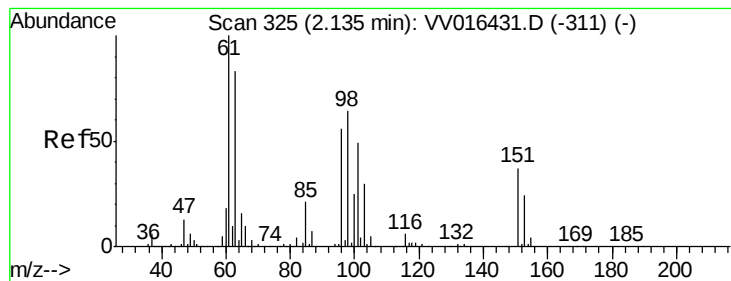
103 65.3 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016429.D (-86) (-)

Ion 103.00 (102.70 to 103.70): VV016429.D (-86) (-)





#10

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

Concen: 4.767 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :

MSVOA_V

ClientSampleId :

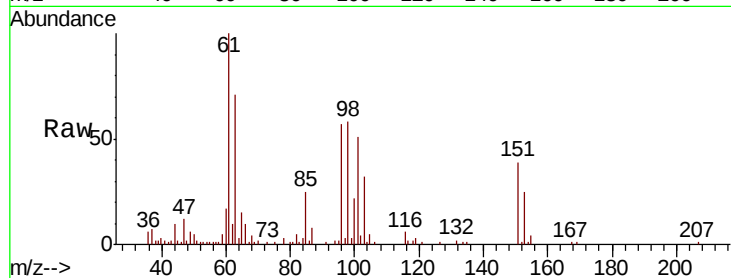
Tot Ion:101 Resp: 11360

Ion Ratio Lower Upper

101 100

85 52.0 35.6 53.4

151 85.0 61.8 92.8

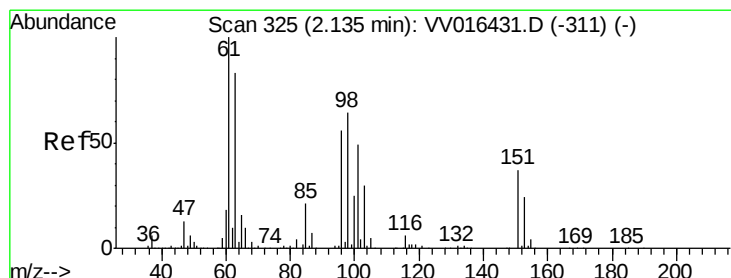
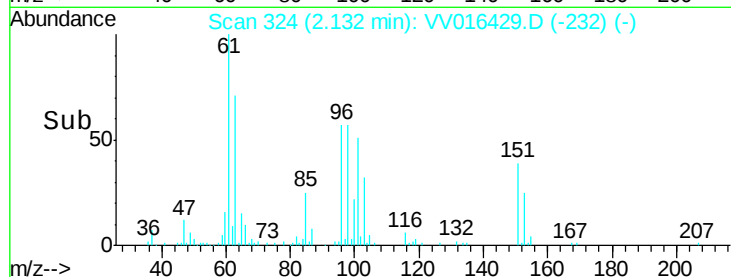


Abundance Ion 101.00 (100.70 to 101.70): VV016429.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV016429.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV016429.D (-232) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 5.117 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

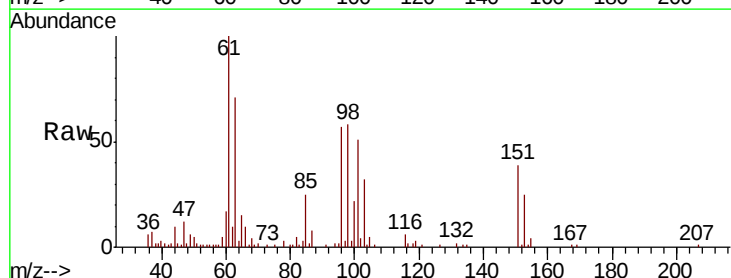
Tgt Ion: 96 Resp: 11348

Ion Ratio Lower Upper

96 100

61 177.0 125.5 233.1

63 125.6 104.0 193.1

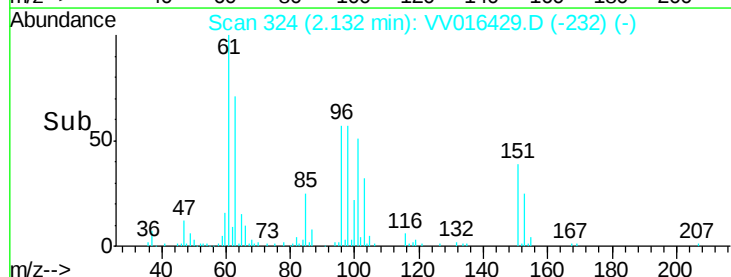


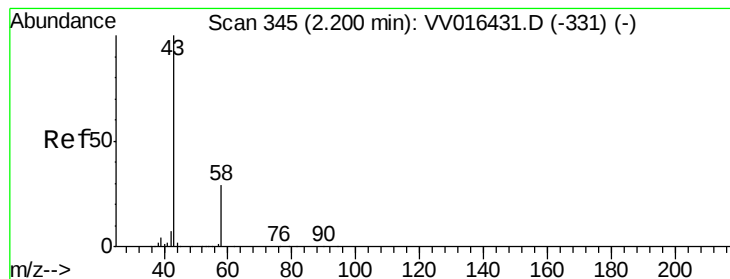
Abundance Ion 96.00 (95.70 to 96.70): VV016429.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV016429.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016429.D (-232) (-)

Time-->





#13

Acetone

Concen: 4.666 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

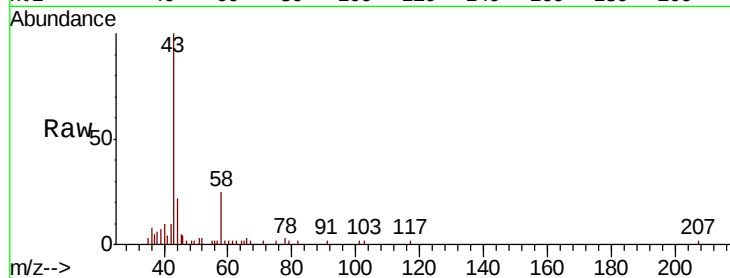
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 7463

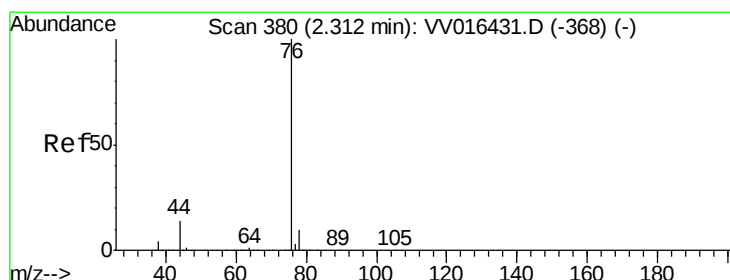
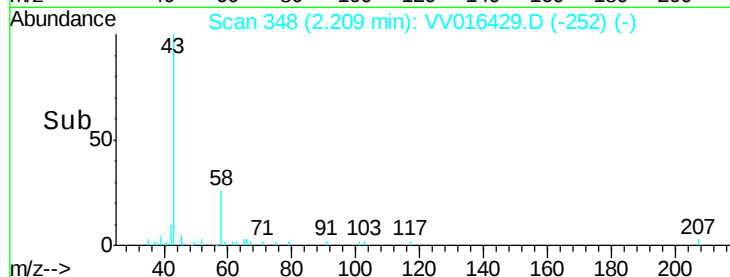
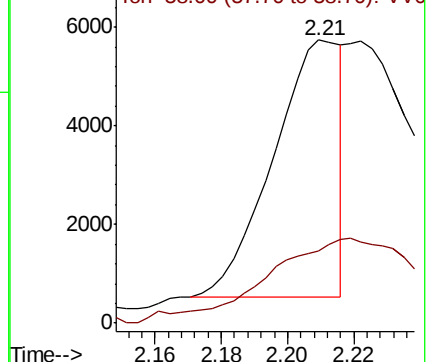
Ion Ratio Lower Upper

43 100

58 55.8 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 5.854 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016429.D

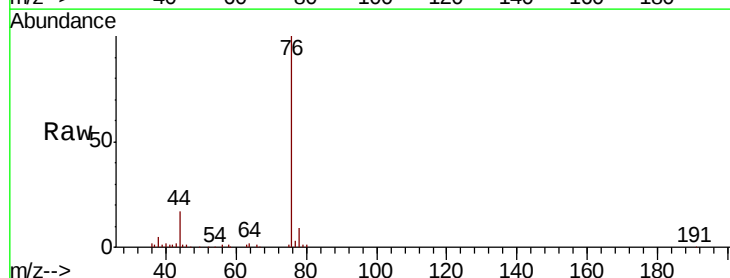
Acq: 02 Jun 2020 15:55

Tgt Ion: 76 Resp: 38253

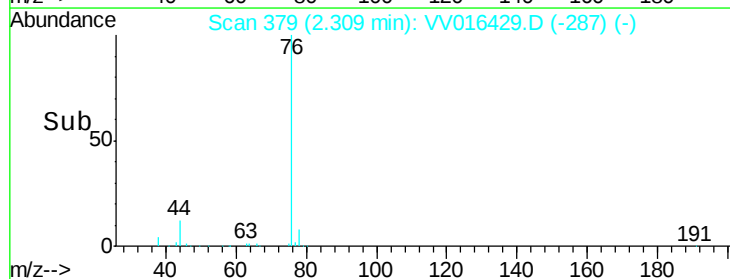
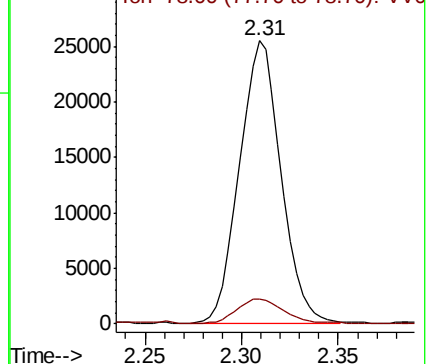
Ion Ratio Lower Upper

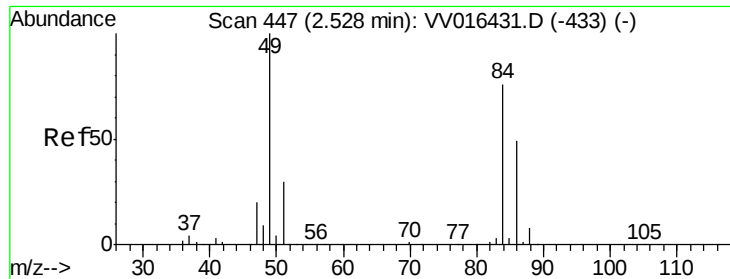
76 100

78 8.8 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV0
Ion 78.00 (77.70 to 78.70): VV0

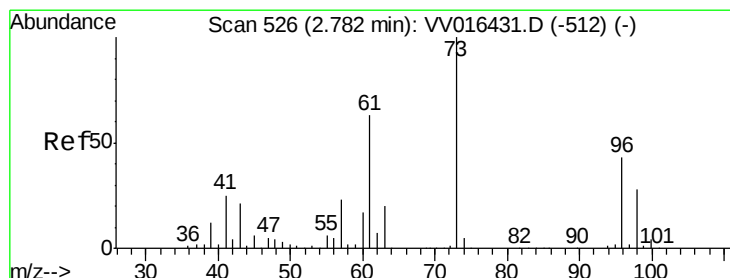
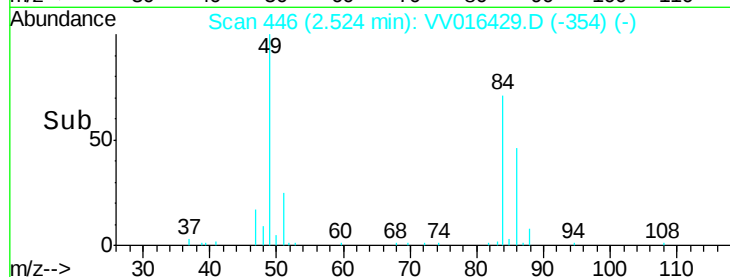
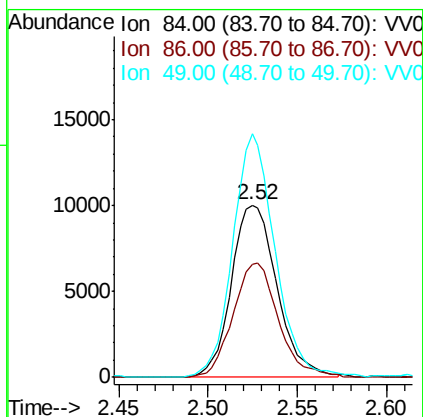
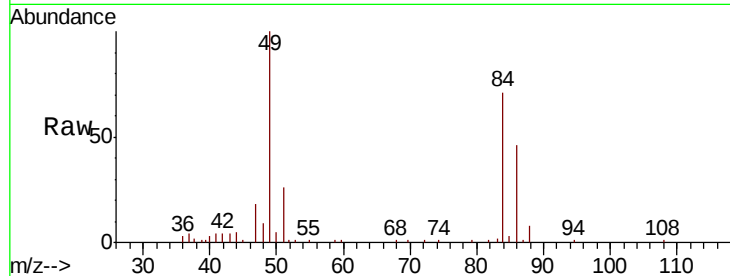




#16
Methvlene chloride
Concen: 6.223 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV016429.D
Acq: 02 Jun 2020 15:55

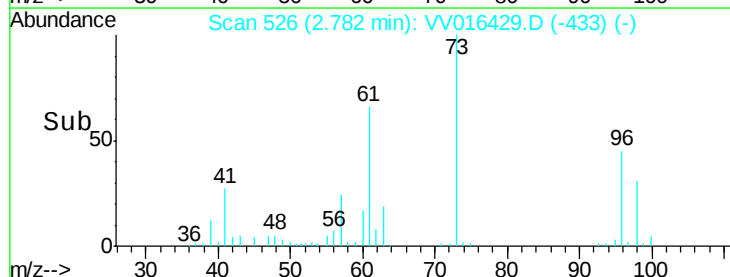
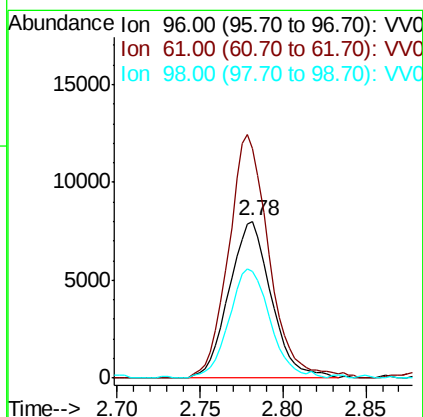
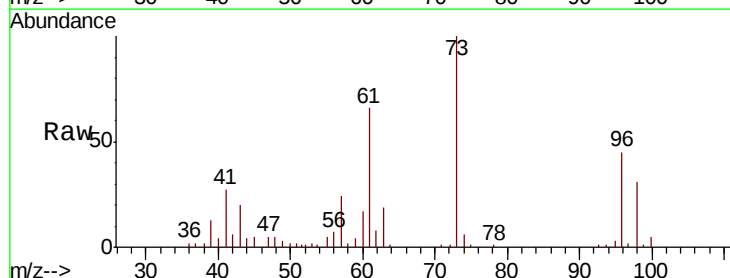
Instrument :
MSVOA_V
ClientSampleId :

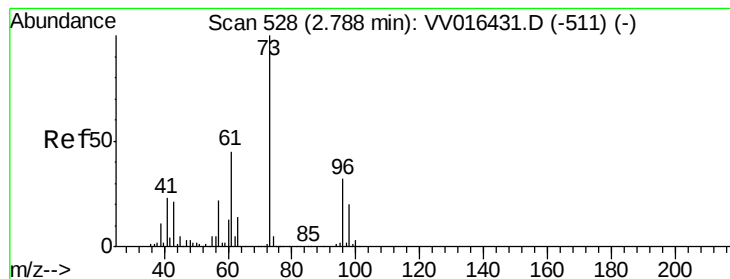
Tot Ion: 84 Resp: 17821
Ion Ratio Lower Upper
84 100
86 65.5 45.1 83.9
49 141.5 92.4 171.6



#17
trans-1,2-Dichloroethene
Concen: 5.705 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV016429.D
Acq: 02 Jun 2020 15:55

Tgt Ion: 96 Resp: 14223
Ion Ratio Lower Upper
96 100
61 145.8 101.0 187.6
98 68.1 44.7 83.1



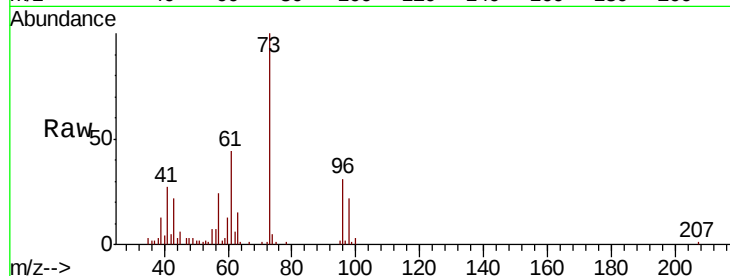


#18

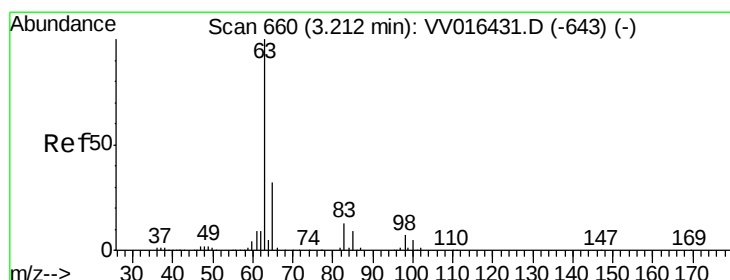
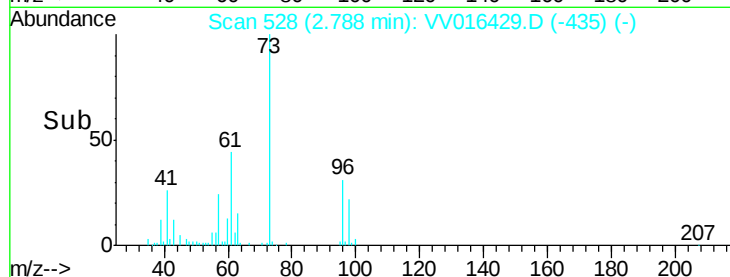
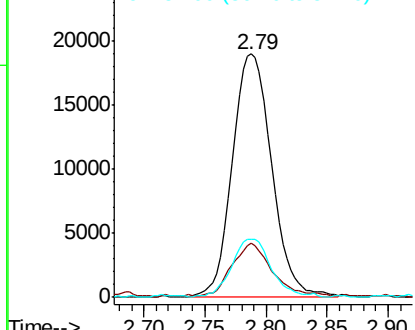
Methvl tert-butvl Ether
 Concen: 5.102 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV016429.D
 Acq: 02 Jun 2020 15:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.0	17.0	25.4
57	23.7	17.8	26.8



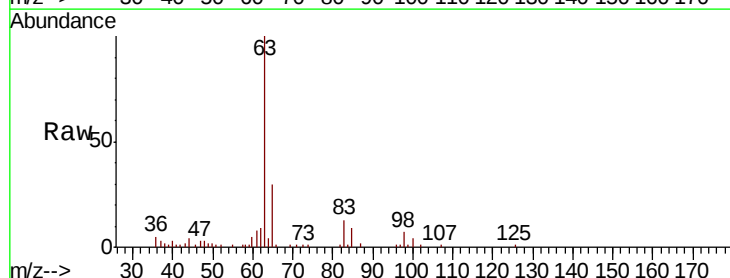
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



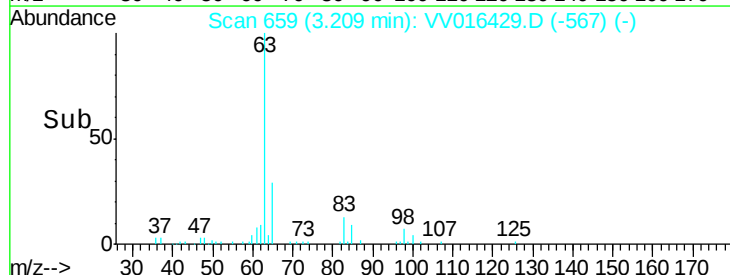
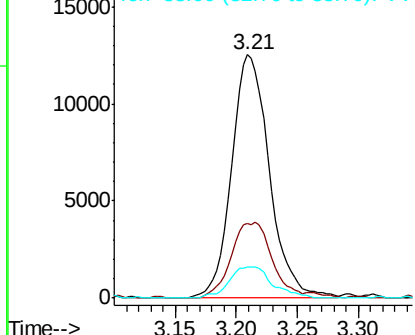
#19

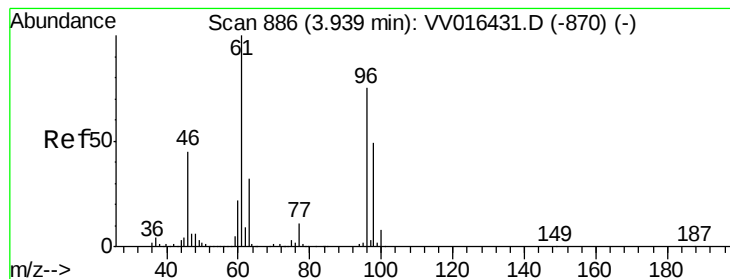
1,1-Dichloroethane
 Concen: 5.400 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016429.D
 Acq: 02 Jun 2020 15:55

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.4	22.2	41.2
83	12.6	9.1	16.9



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



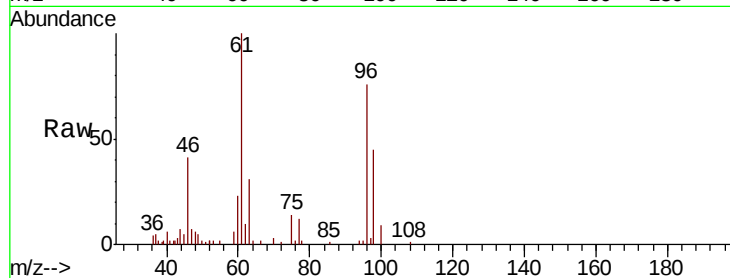


#20

cis-1,2-Dichloroethene
 Concen: 5.560 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV016429.D
 Acq: 02 Jun 2020 15:55

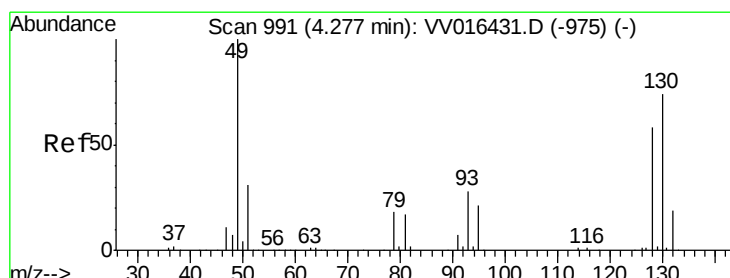
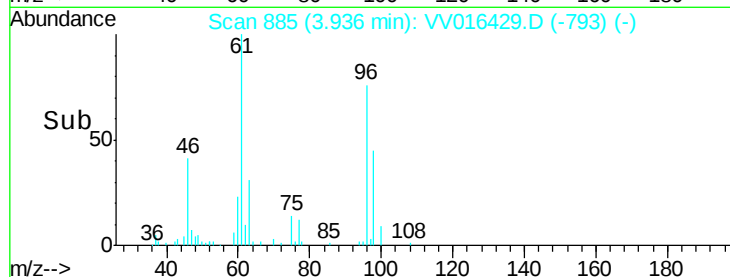
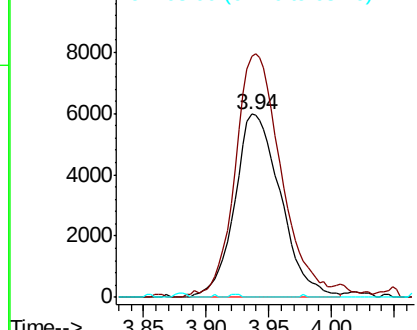
Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	96	Resp	15256
Ion	Ratio	Lower	Upper
96	100		
61	131.2	93.4	173.4
68	0.0	0.0	0.0



Abundance

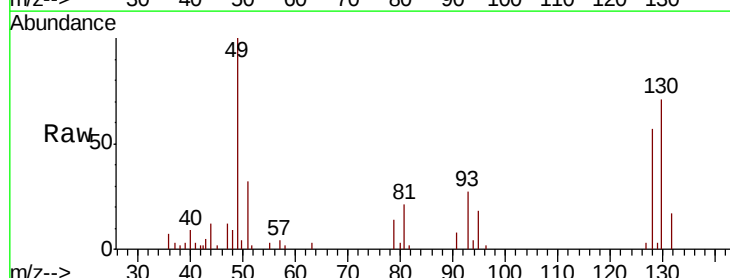
Ion 96.00 (95.70 to 96.70): VV016429.D (-870) (-)



#23

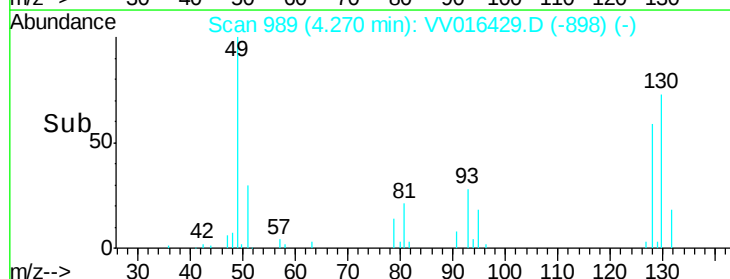
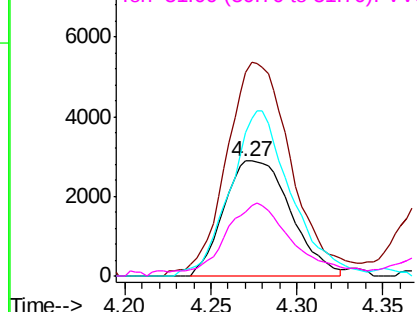
Bromochloromethane
 Concen: 5.418 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: VV016429.D
 Acq: 02 Jun 2020 15:55

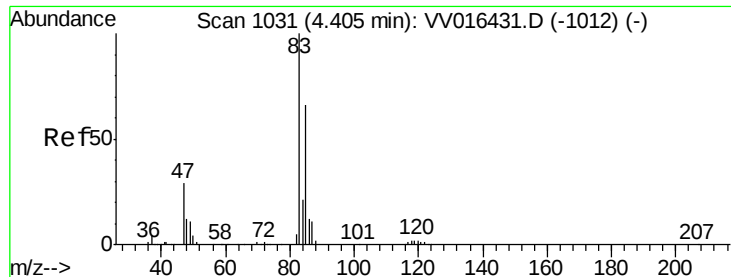
Tgt Ion	128	Resp	7803
Ion	Ratio	Lower	Upper
128	100		
49	177.0	121.7	225.9
130	124.9	90.1	167.3
51	55.8	43.8	65.6



Abundance

Ion 128.00 (127.70 to 128.70): VV016429.D (-898) (-)





#25

Chloroform

Concen: 5.433 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

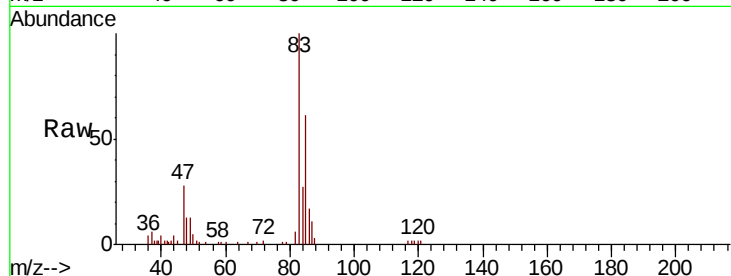
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 28330

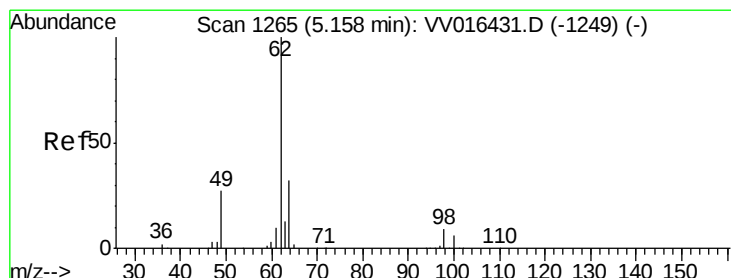
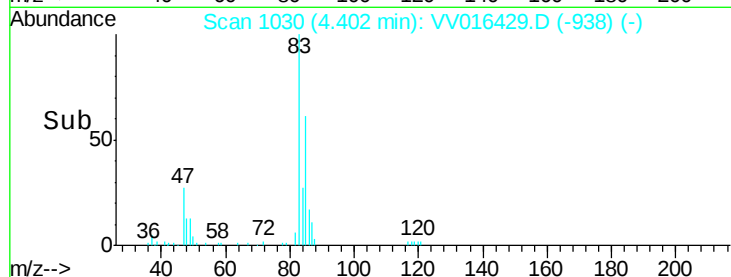
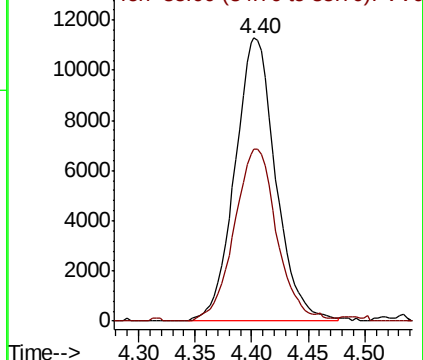
Ion Ratio Lower Upper

83 100

85 60.7 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV016429.D (-938) (-)



#27

1,2-Dichloroethane

Concen: 5.276 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV016429.D

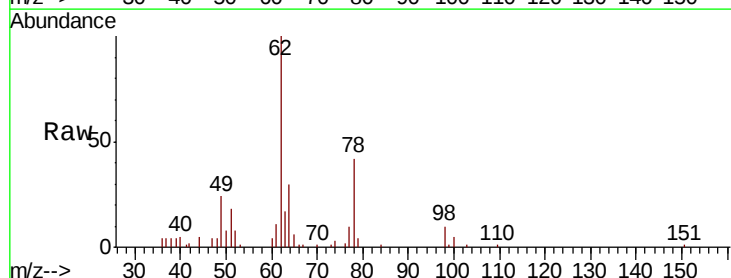
Acq: 02 Jun 2020 15:55

Tgt Ion: 62 Resp: 22131

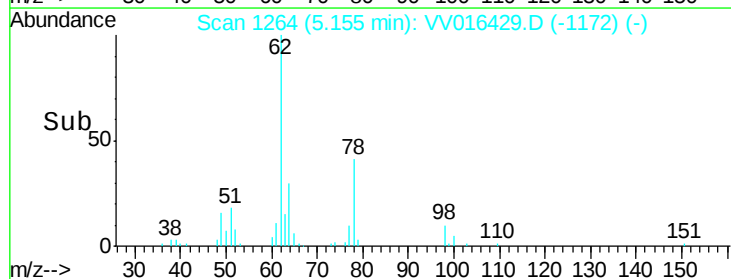
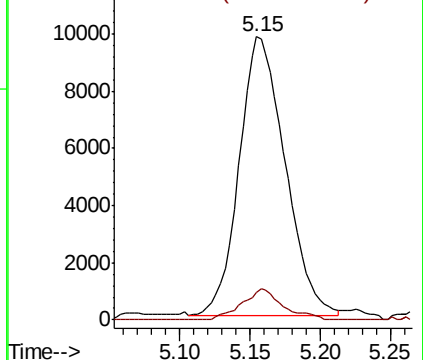
Ion Ratio Lower Upper

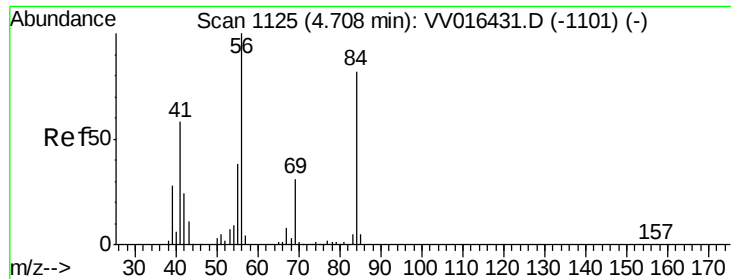
62 100

98 9.5 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV016429.D (-1172) (-)

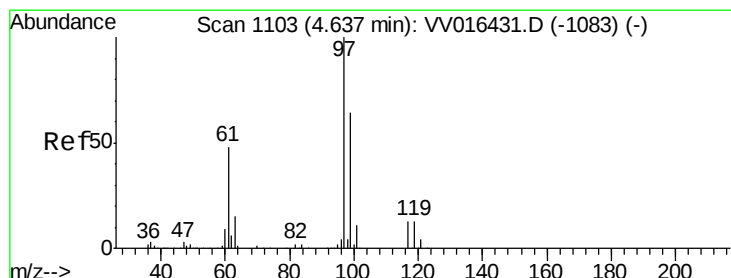
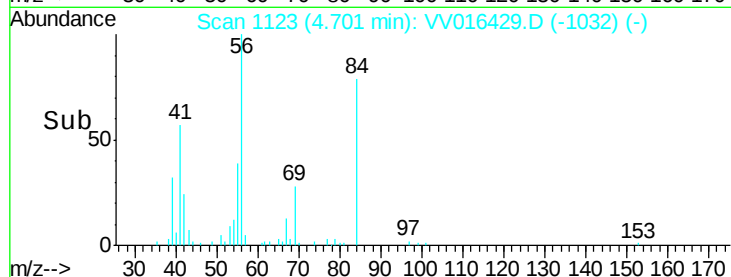
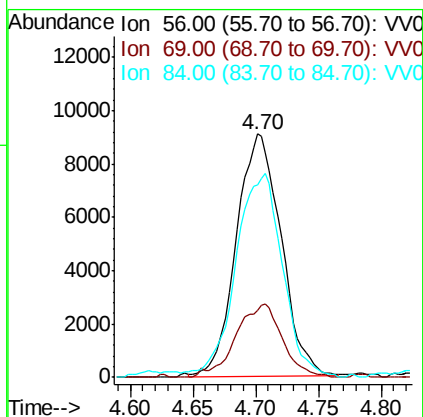
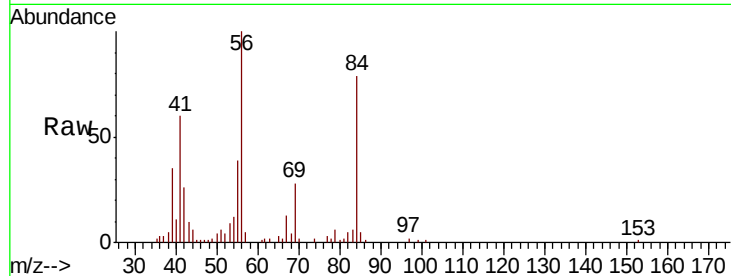




#29
Cyclohexane
Concen: 5.380 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VV016429.D
Acq: 02 Jun 2020 15:55

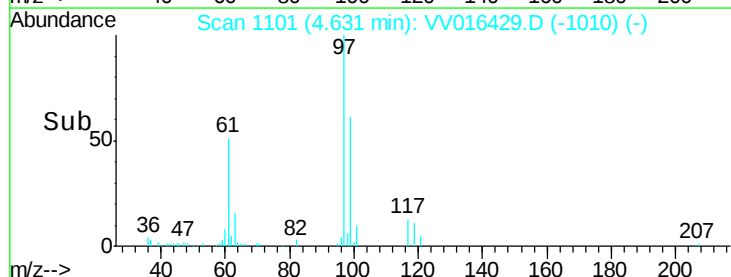
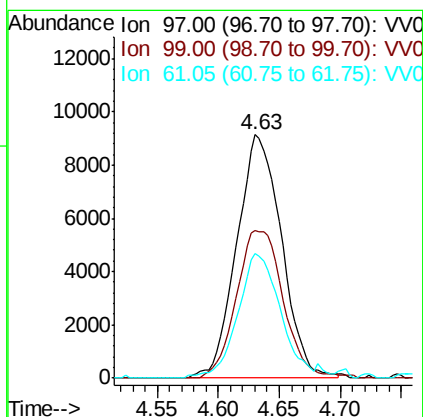
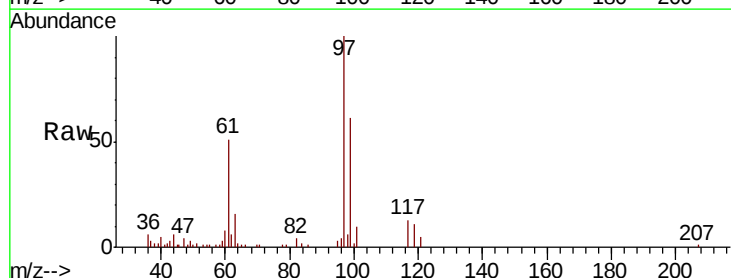
Instrument :
MSVOA_V
ClientSampleId :

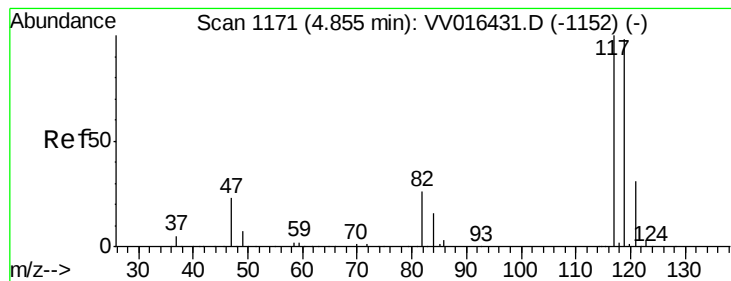
Tot Ion: 56 Resp: 22554
Ion Ratio Lower Upper
56 100
69 29.2 23.9 35.9
84 86.2 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 5.113 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VV016429.D
Acq: 02 Jun 2020 15:55

Tgt Ion: 97 Resp: 23281
Ion Ratio Lower Upper
97 100
99 62.5 51.8 77.8
61 46.9 37.4 56.0





#31

Carbon tetrachloride

Concen: 5.260 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

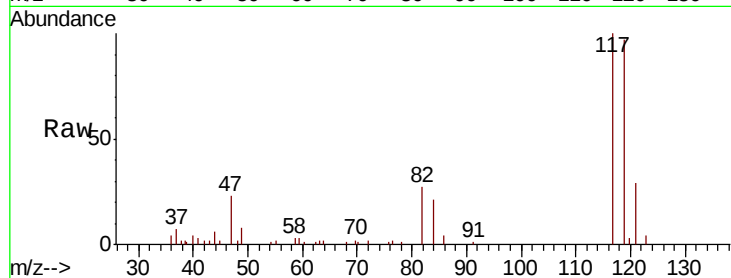
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 20209

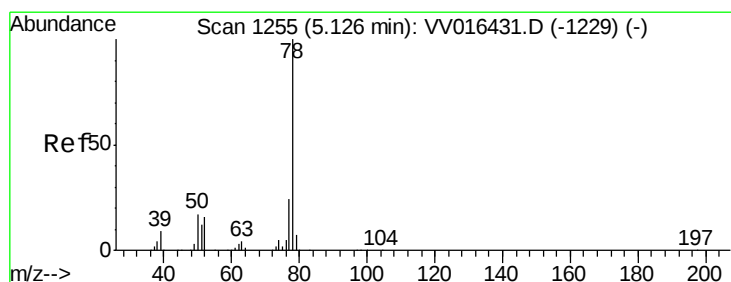
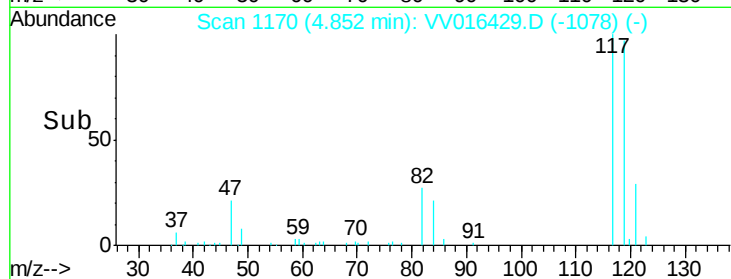
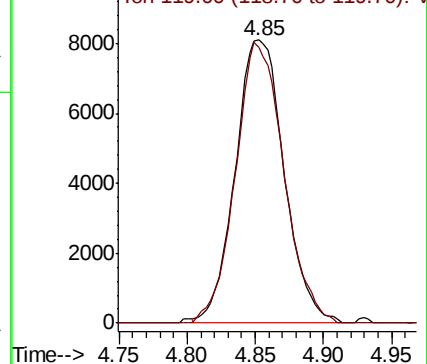
Ion Ratio Lower Upper

117 100

119 97.6 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.436 ug/L

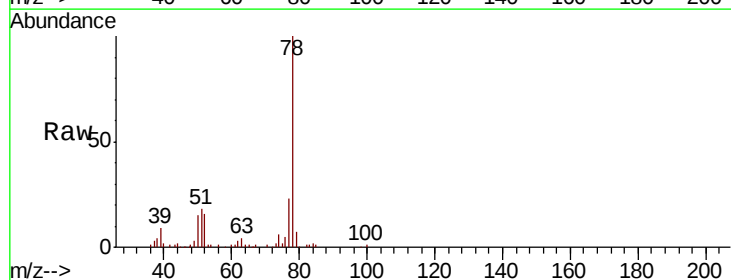
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

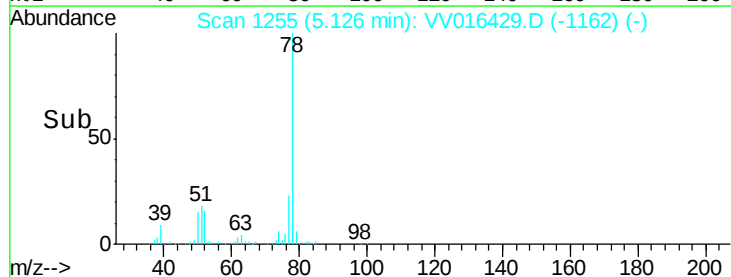
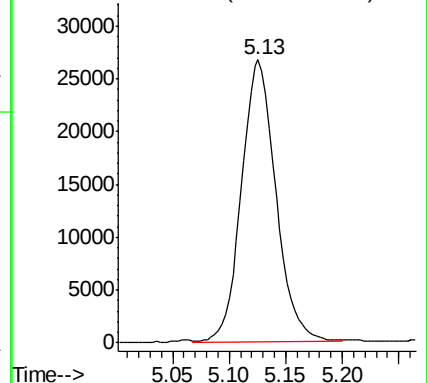
Lab File: VV016429.D

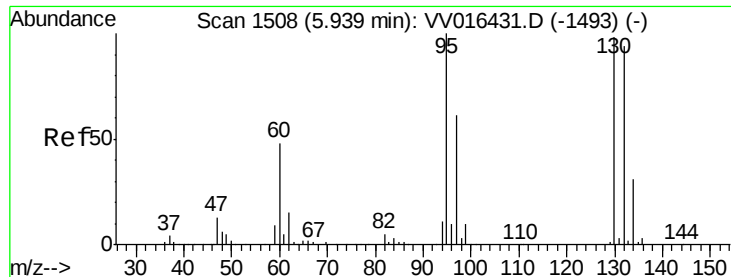
Acq: 02 Jun 2020 15:55

Tgt Ion: 78 Resp: 56769



Abundance Ion 78.00 (77.70 to 78.70): VV0

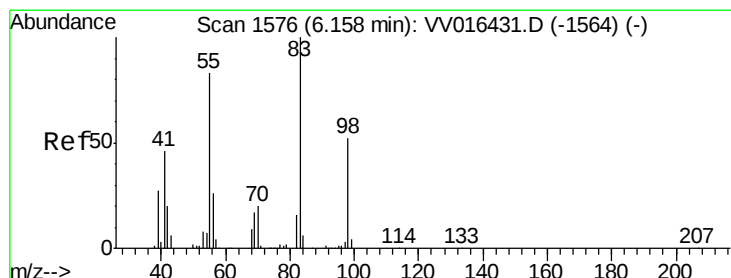
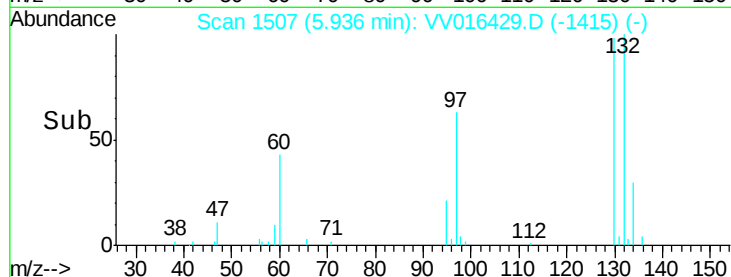
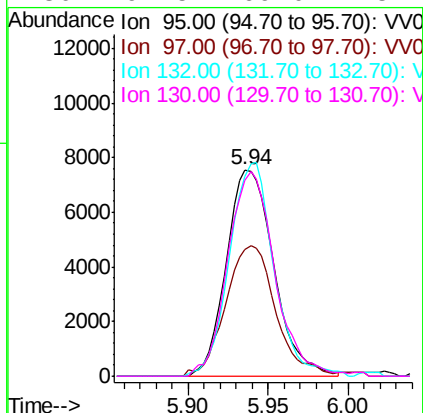
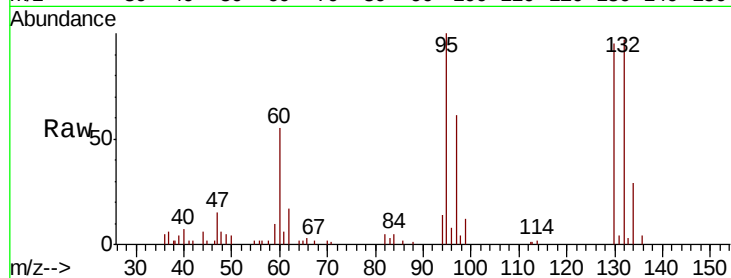




#34
 Trichloroethene
 Concen: 5.686 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016429.D
 Acq: 02 Jun 2020 15:55

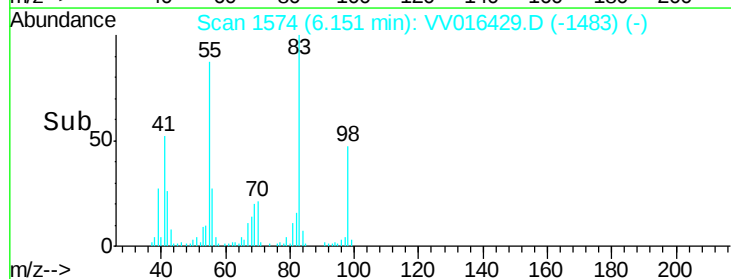
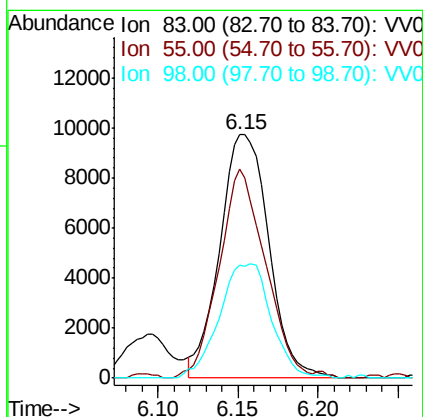
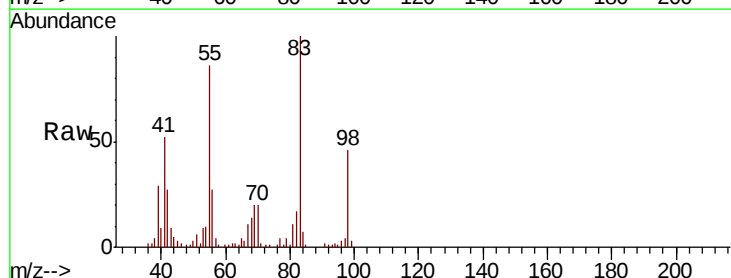
Instrument :
 MSVOA_V
 ClientSampled :

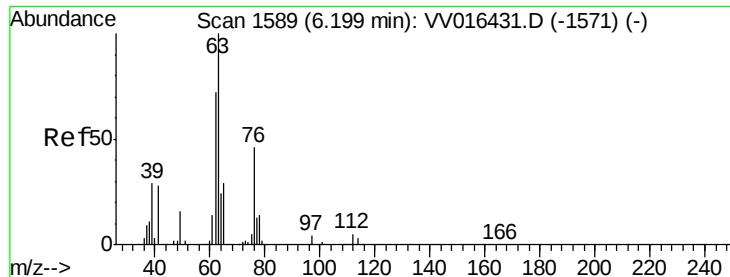
Tot Ion:	95	Resp:	15316
Ion	Ratio	Lower	Upper
95	100		
97	61.4	42.8	79.6
132	96.9	65.6	121.8
130	94.5	69.0	128.1



#35
 Methylcyclohexane
 Concen: 4.936 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VV016429.D
 Acq: 02 Jun 2020 15:55

Tgt Ion:	83	Resp:	20463
Ion	Ratio	Lower	Upper
83	100		
55	81.0	63.4	95.0
98	49.6	39.4	59.0





#37

1,2-Dichloropropane

Concen: 5.317 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

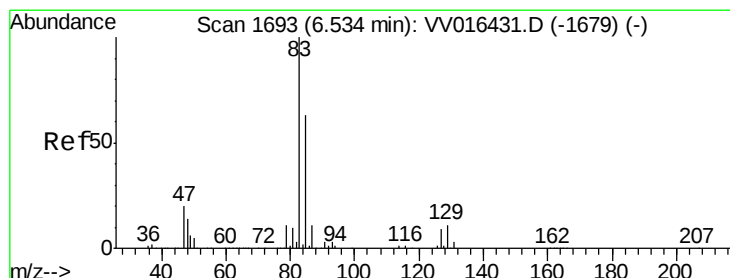
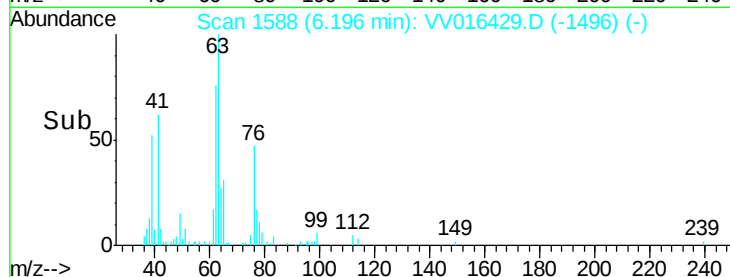
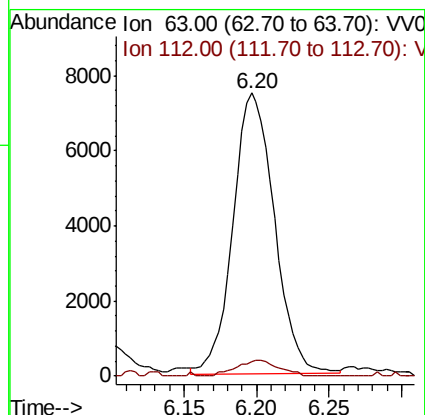
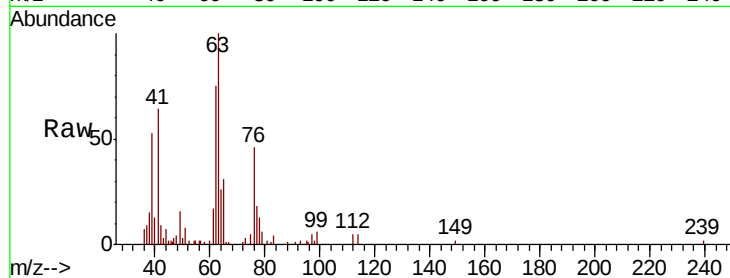
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 14856

Ion Ratio Lower Upper

63 100

112 5.8 3.9 5.9



#38

Bromodichloromethane

Concen: 4.810 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

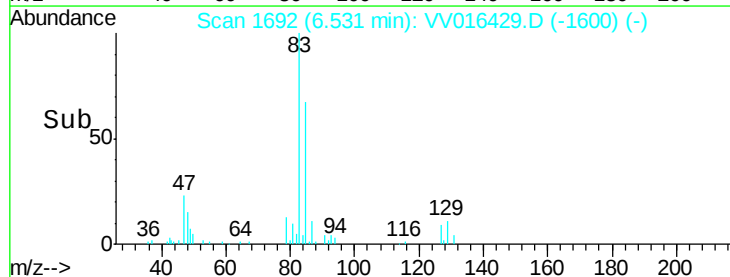
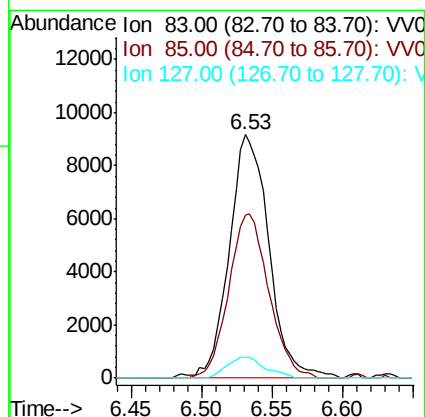
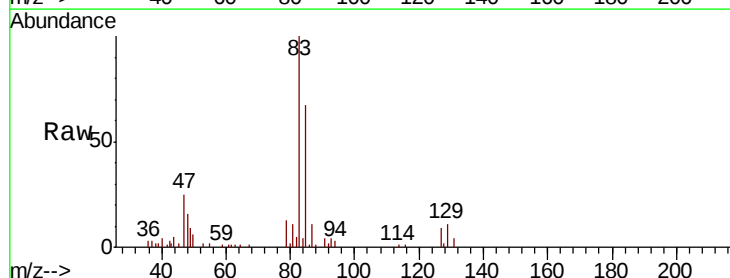
Tgt Ion: 83 Resp: 17953

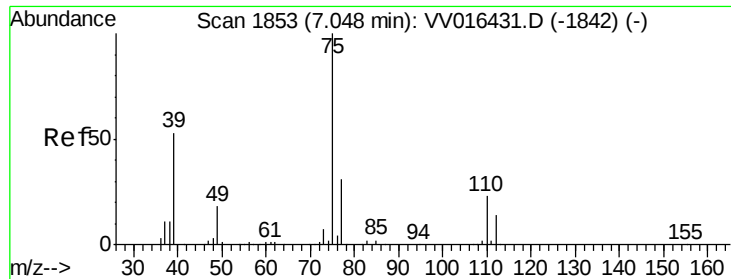
Ion Ratio Lower Upper

83 100

85 66.8 44.4 82.5

127 8.7 7.1 10.7

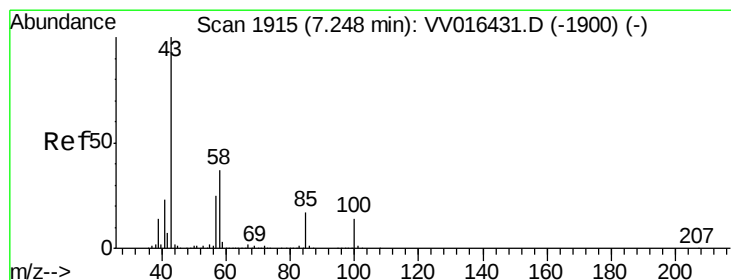
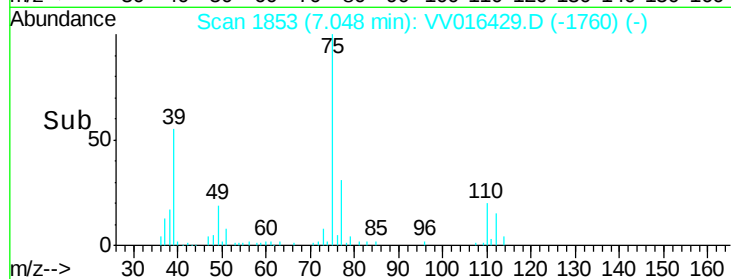
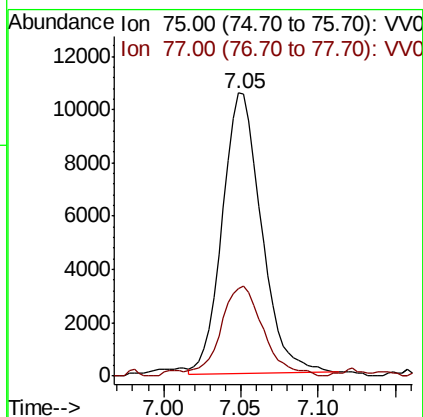
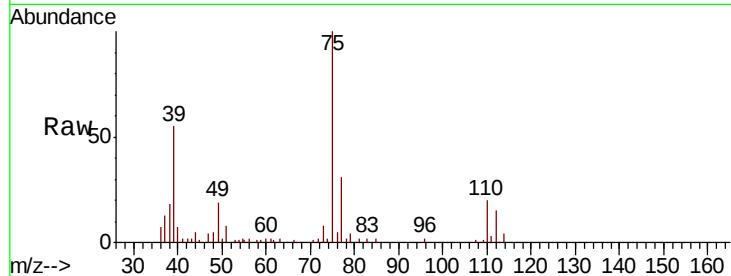




#39
 cis-1,3-Dichloropropene
 Concen: 4.418 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016429.D
 Acq: 02 Jun 2020 15:55

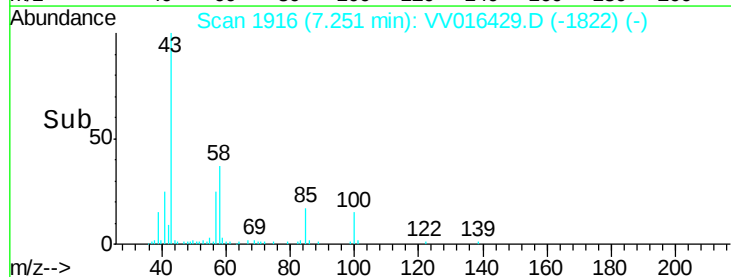
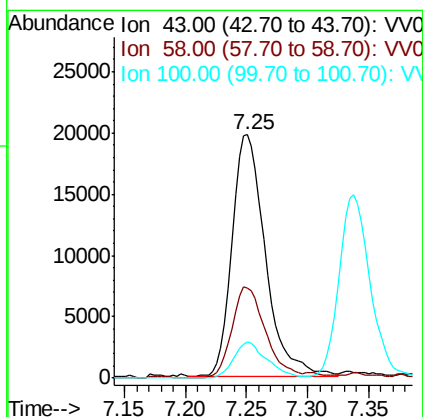
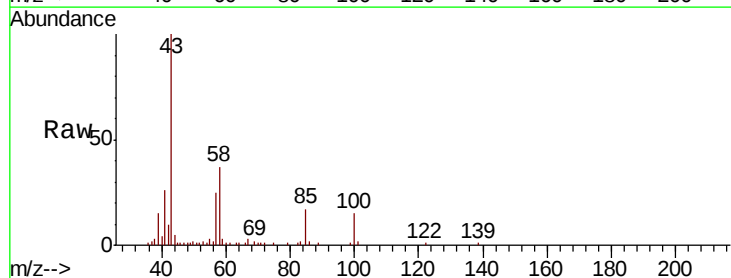
Instrument :
 MSVOA_V
 ClientSampled :

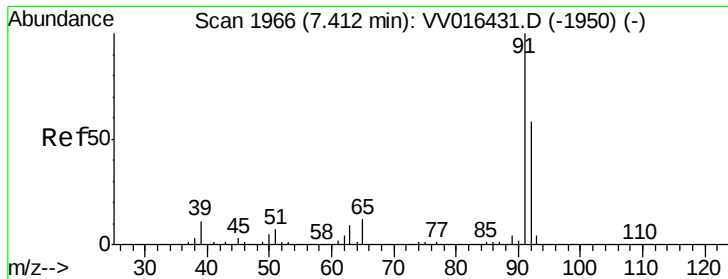
Tot Ion: 75 Resp: 18572
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 10.638 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV016429.D
 Acq: 02 Jun 2020 15:55

Tgt Ion: 43 Resp: 37713
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.9 44.9
 100 14.9 11.9 17.9





#42

Toluene

Concen: 5.268 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

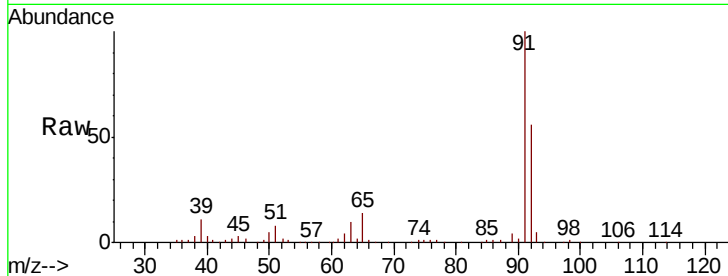
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 58852

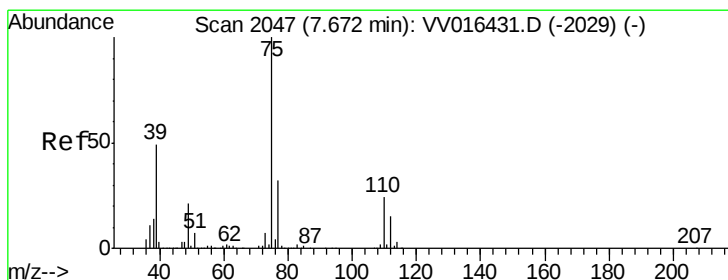
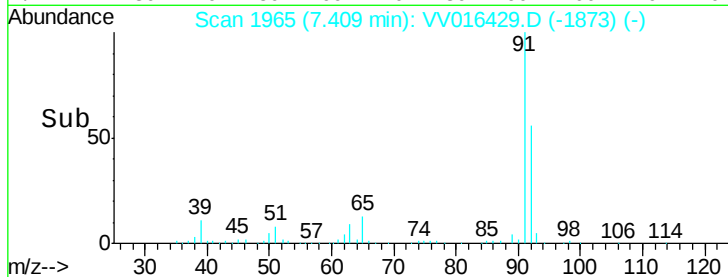
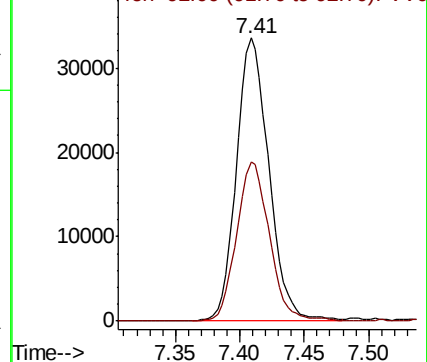
Ion Ratio Lower Upper

91 100

92 56.3 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.397 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016429.D

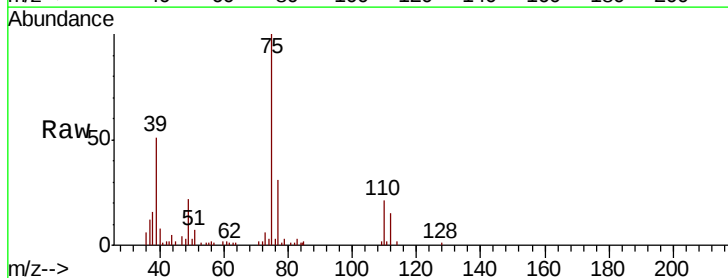
Acq: 02 Jun 2020 15:55

Tgt Ion: 75 Resp: 18347

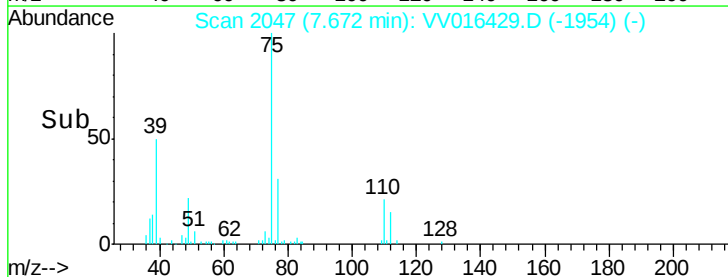
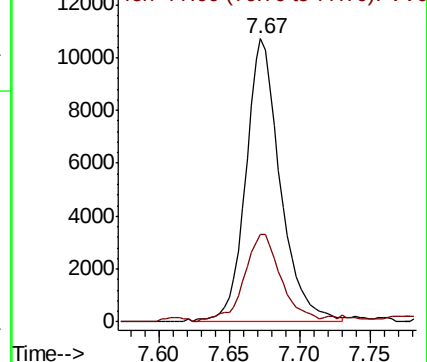
Ion Ratio Lower Upper

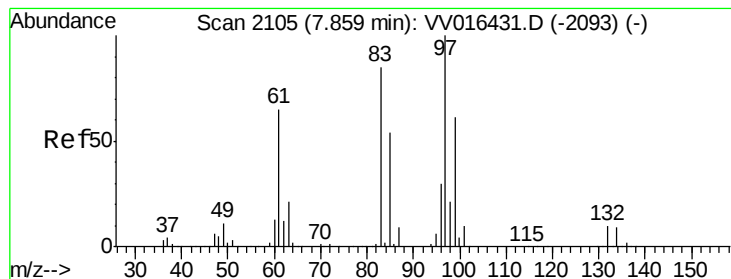
75 100

77 30.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 5.570 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 14491

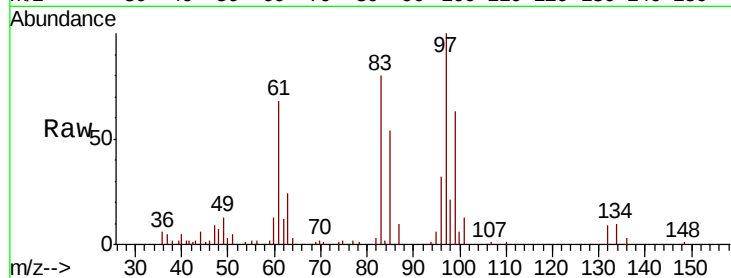
Ion Ratio Lower Upper

97 100

99 63.4 42.9 79.7

83 79.8 59.3 110.1

85 54.2 37.5 69.7

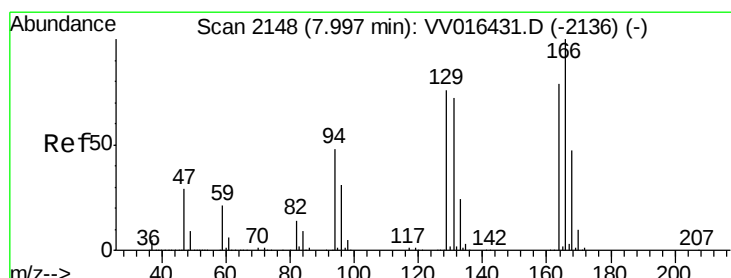
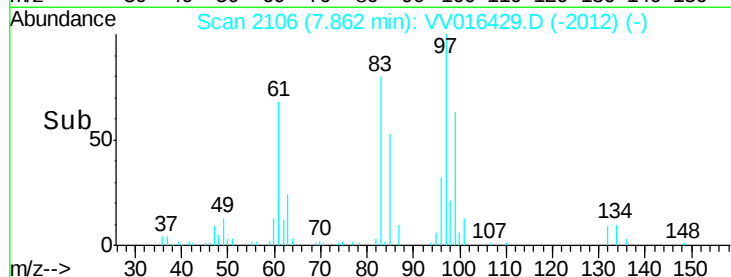
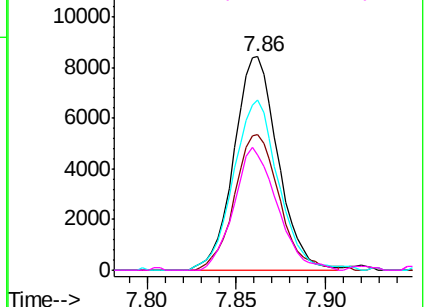


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 5.244 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Tgt Ion: 164 Resp: 10889

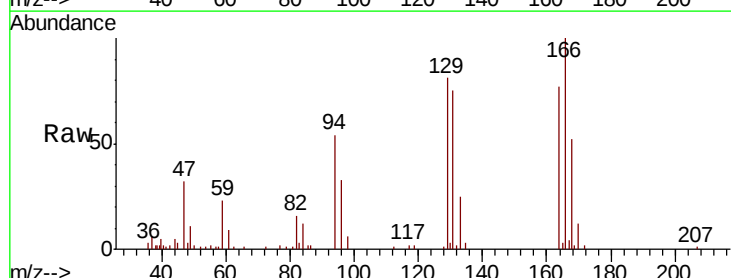
Ion Ratio Lower Upper

164 100

129 105.2 67.7 125.7

131 98.3 63.8 118.6

166 130.6 88.7 164.7

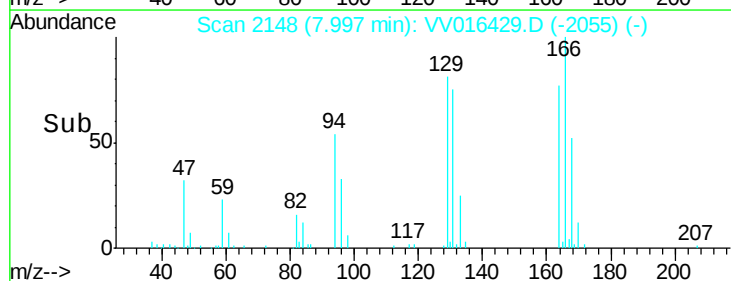
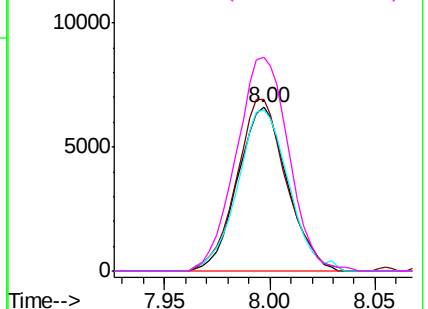


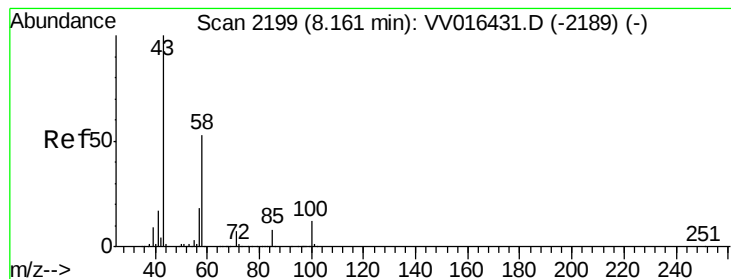
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 11.316 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 43 Resp: 30389

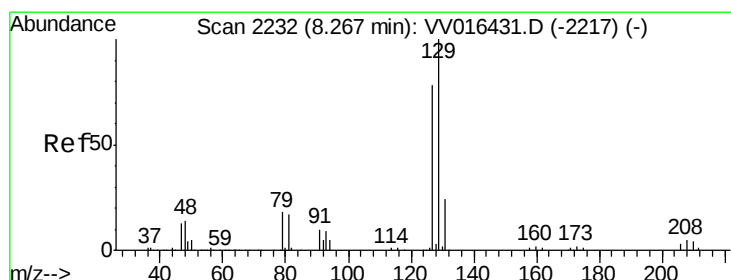
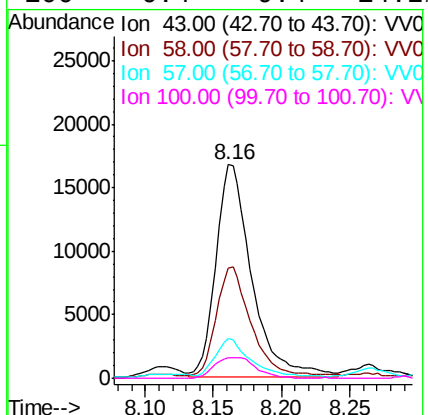
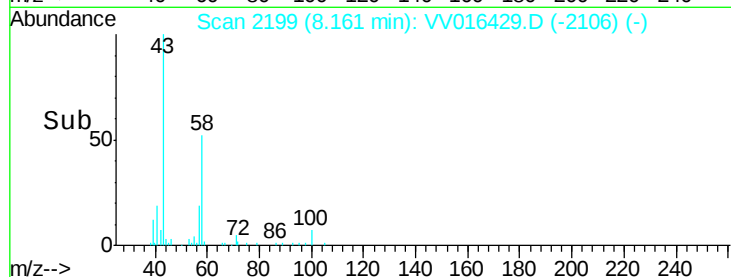
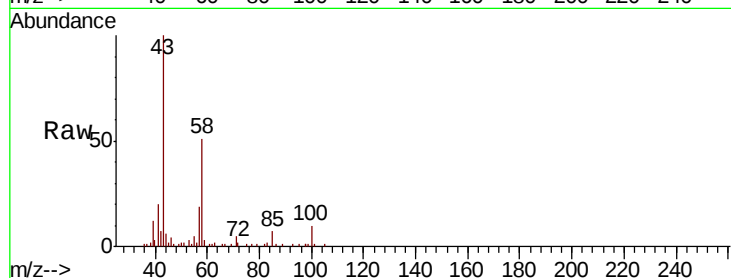
Ion Ratio Lower Upper

43 100

58 48.7 42.7 64.1

57 16.7 14.5 21.7

100 6.4 9.4 14.2#



#49

Dibromochloromethane

Concen: 4.564 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016429.D

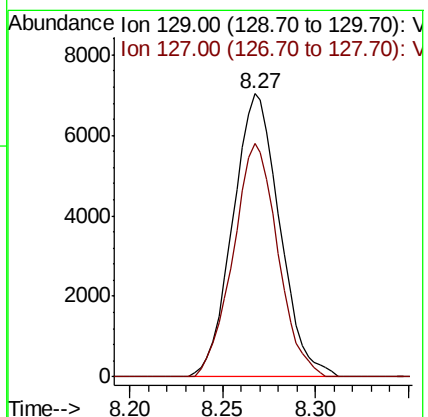
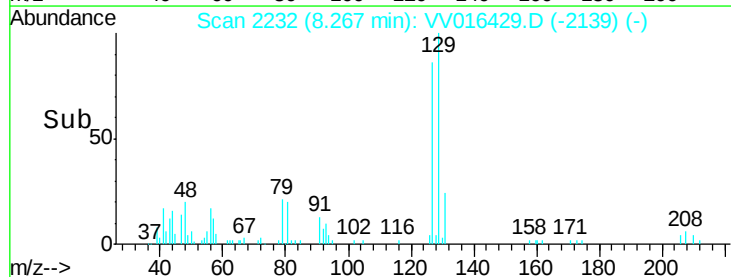
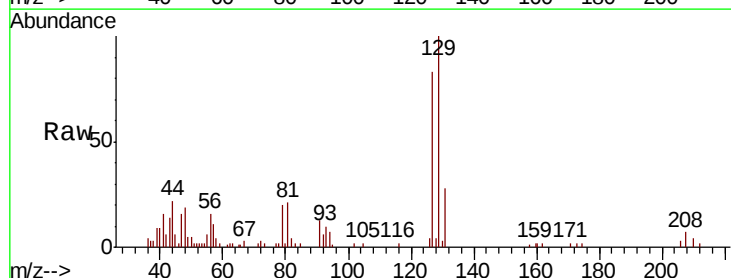
Acq: 02 Jun 2020 15:55

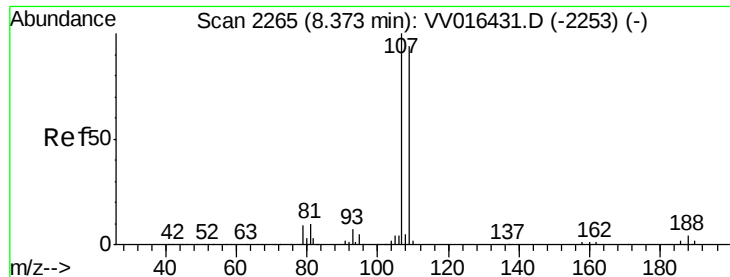
Tgt Ion: 129 Resp: 12326

Ion Ratio Lower Upper

129 100

127 82.6 54.6 101.4

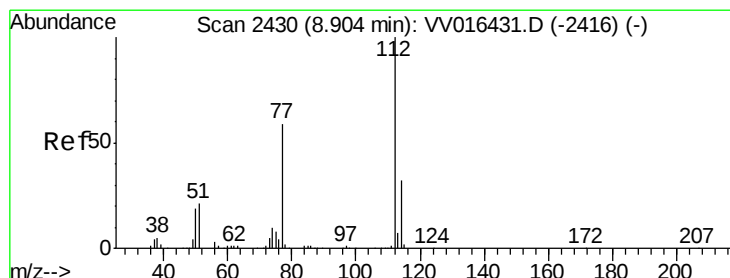
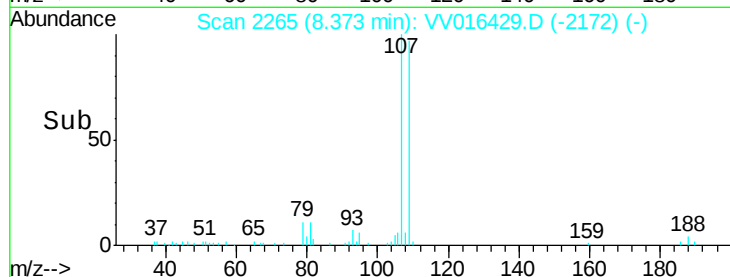
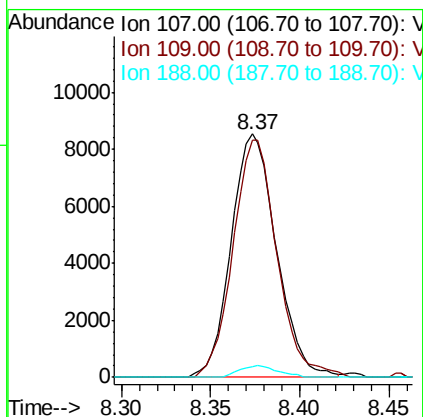
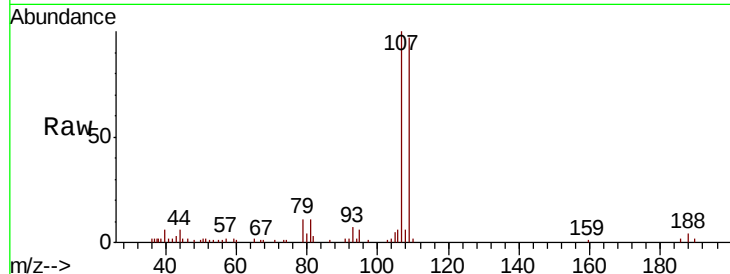




#50
1,2-Dibromoethane
Concen: 5.596 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV016429.D
Acq: 02 Jun 2020 15:55

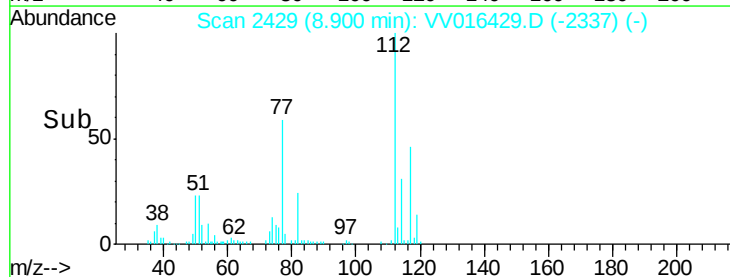
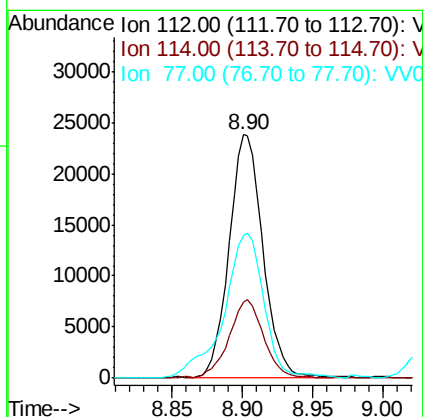
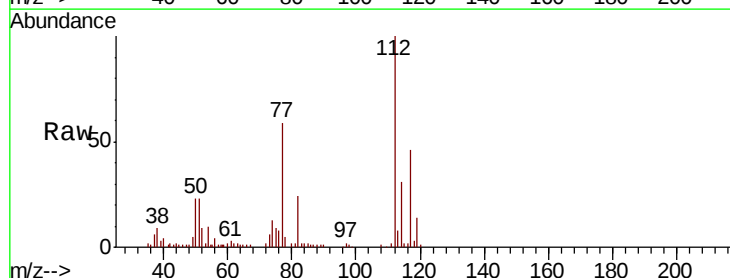
Instrument :
MSVOA_V
ClientSampled :

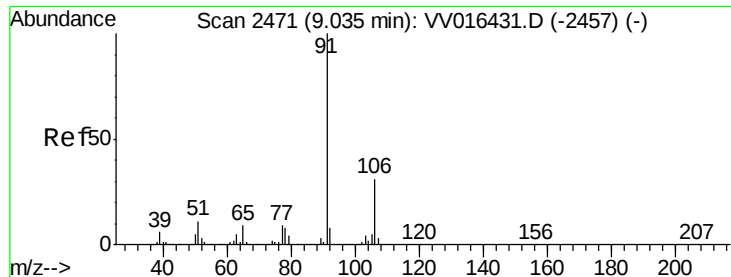
Tot Ion:107 Resp: 15121
Ion Ratio Lower Upper
107 100
109 97.2 65.9 122.3
188 4.5 2.8 4.2#



#51
Chlorobenzene
Concen: 5.524 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV016429.D
Acq: 02 Jun 2020 15:55

Tgt Ion:112 Resp: 40186
Ion Ratio Lower Upper
112 100
114 31.4 22.7 42.1
77 58.5 47.4 71.2





#52

Ethylbenzene

Concen: 4.942 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :

MSVOA_V

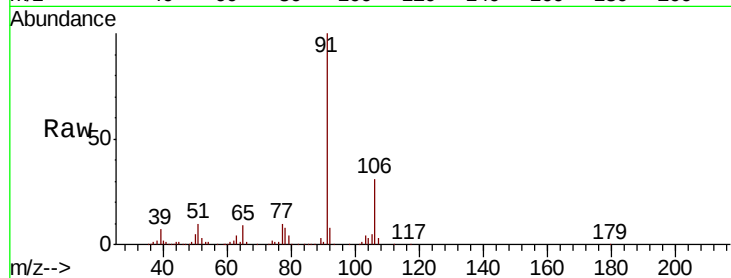
ClientSampleId :

Tot Ion: 91 Resp: 61940

Ion Ratio Lower Upper

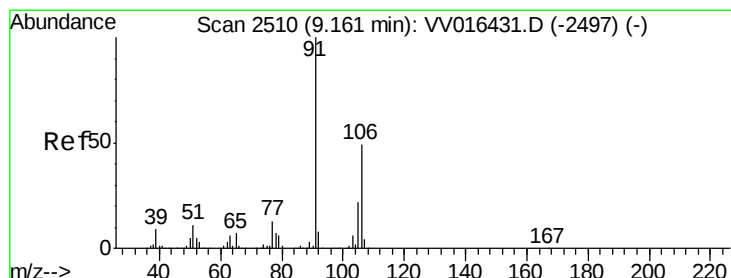
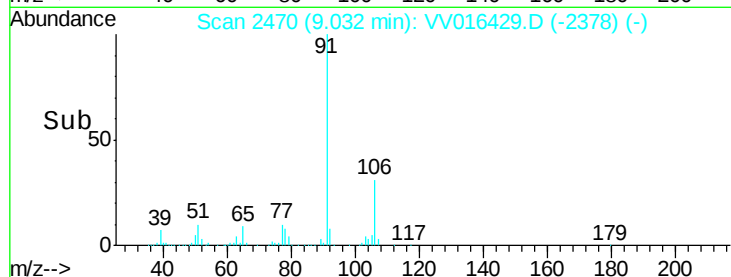
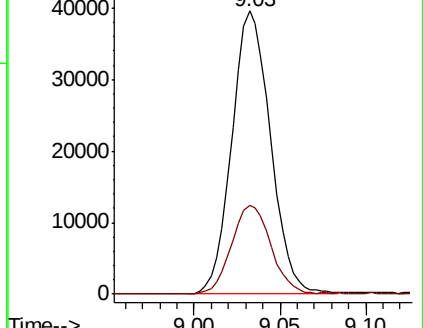
91 100

106 31.4 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV016429.D (-2378) (-)

Ion 106.00 (105.70 to 106.70): VV016429.D (-2378) (-)



#53

m,p-Xylene

Concen: 4.864 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016429.D

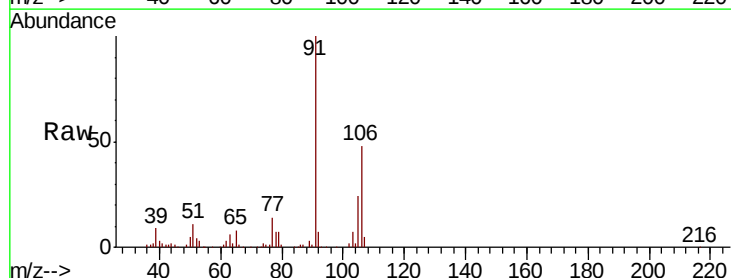
Acq: 02 Jun 2020 15:55

Tgt Ion: 106 Resp: 22755

Ion Ratio Lower Upper

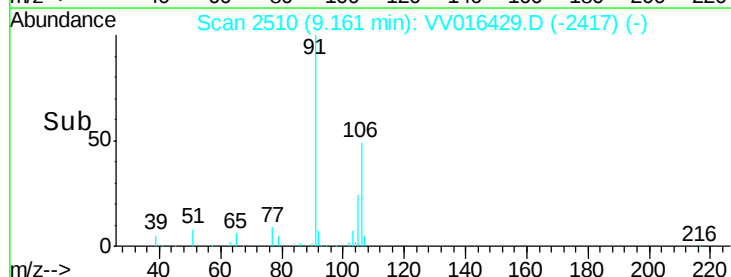
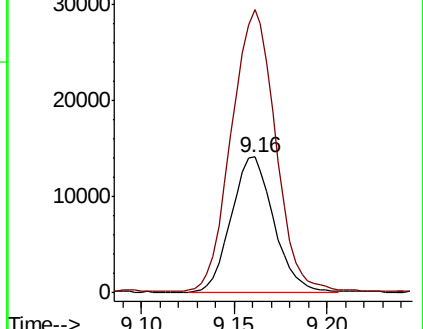
106 100

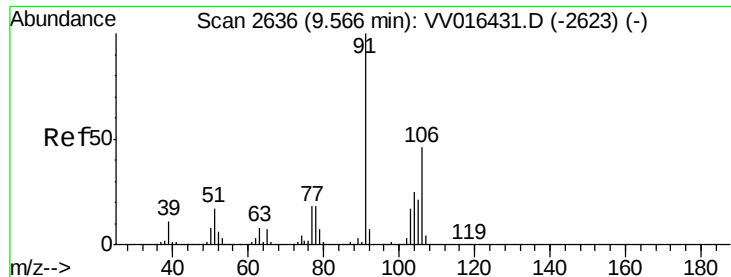
91 208.5 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): VV016429.D (-2417) (-)

Ion 91.00 (90.70 to 91.70): VV016429.D (-2417) (-)





#54

o-xylene

Concen: 4.900 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :

MSVOA_V

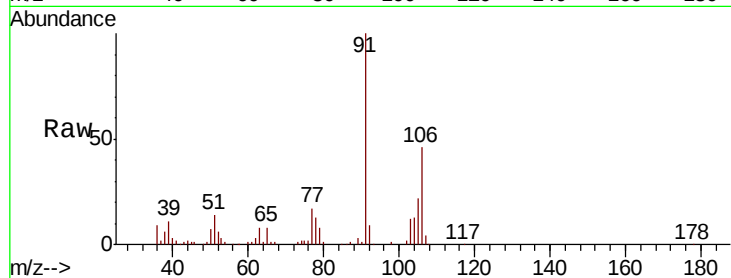
ClientSampleId :

Tot Ion:106 Resp: 22324

Ion Ratio Lower Upper

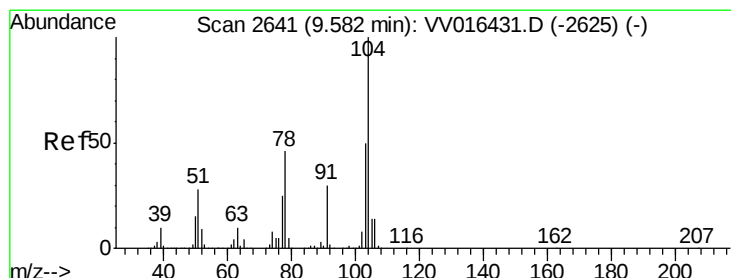
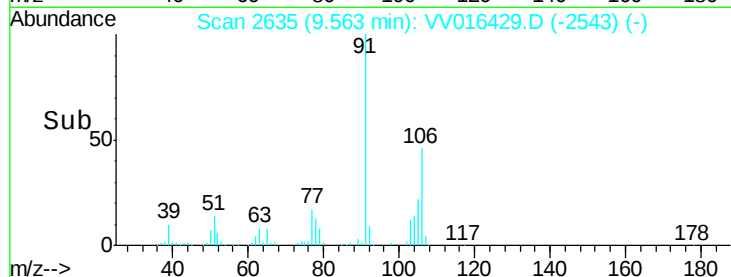
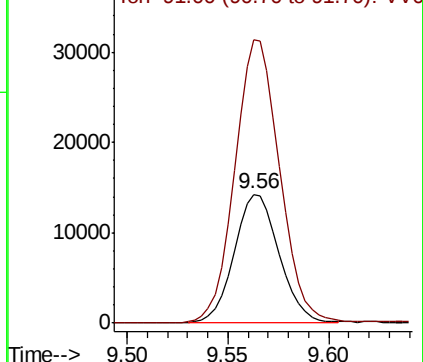
106 100

91 219.4 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 4.904 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016429.D

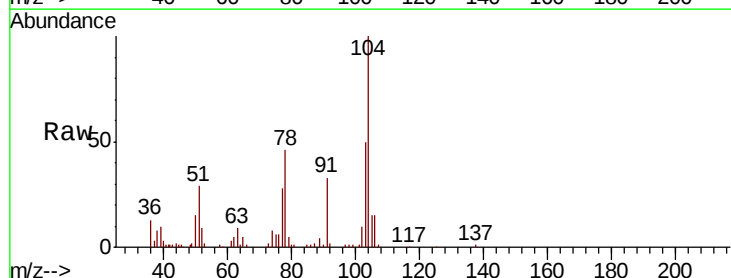
Acq: 02 Jun 2020 15:55

Tgt Ion:104 Resp: 38364

Ion Ratio Lower Upper

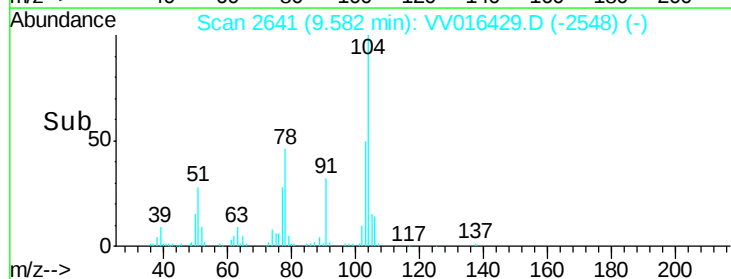
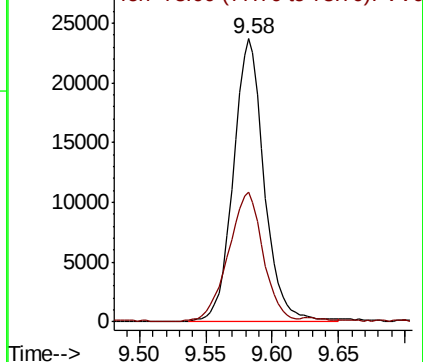
104 100

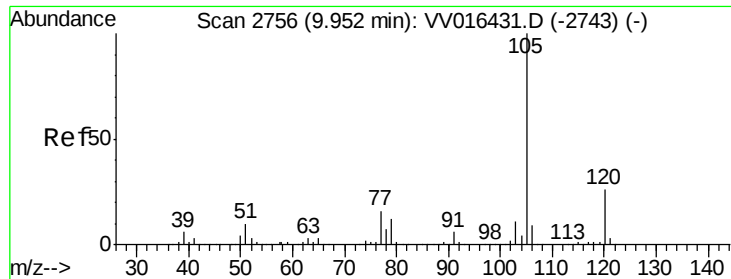
78 45.8 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 4.890 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :
MSVOA_V
ClientSampleId :

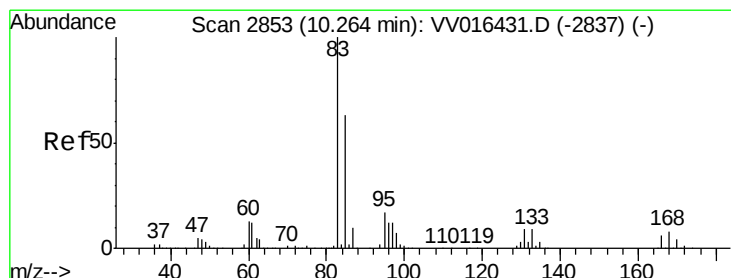
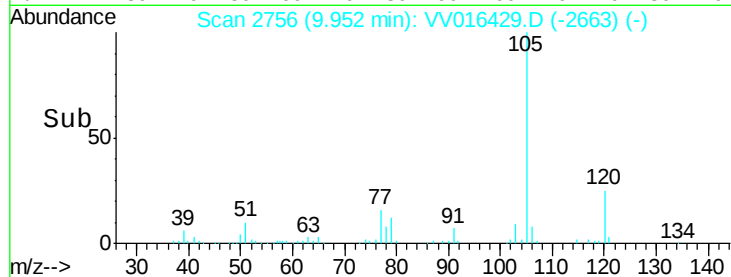
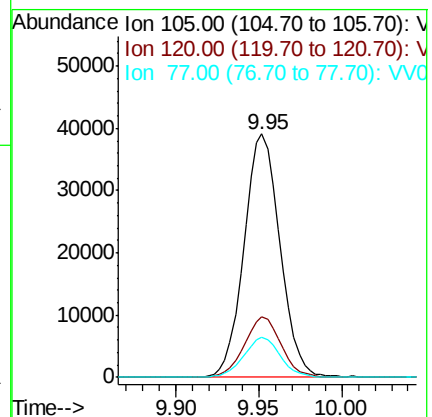
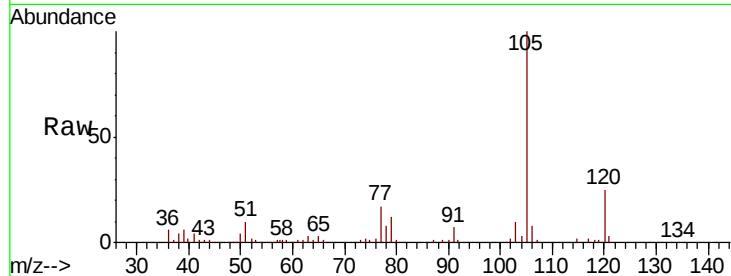
Tot Ion:105 Resp: 58803

Ion Ratio Lower Upper

105 100

120 25.3 21.0 31.6

77 16.7 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 5.800 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

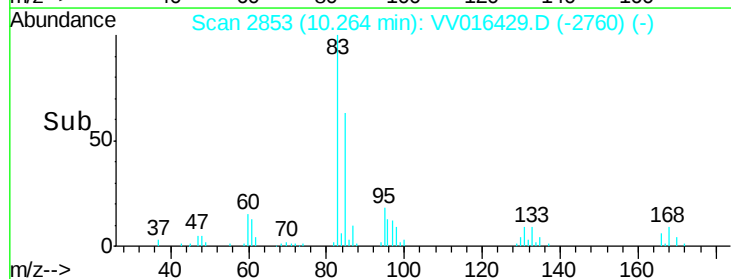
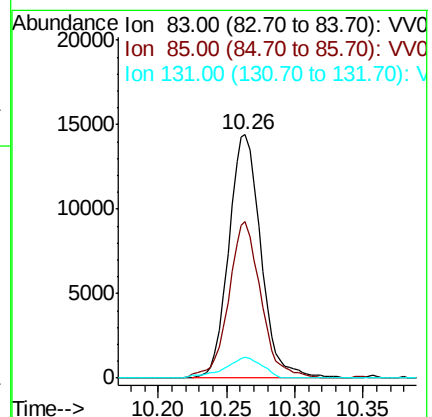
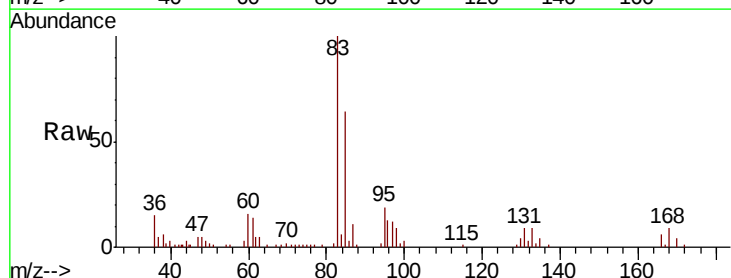
Tgt Ion: 83 Resp: 23633

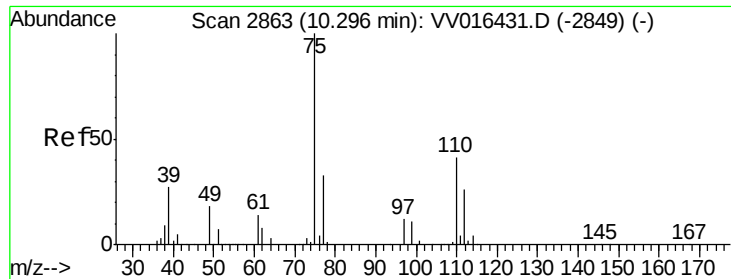
Ion Ratio Lower Upper

83 100

85 64.2 44.0 81.6

131 8.7 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 5.845 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :

MSVOA_V

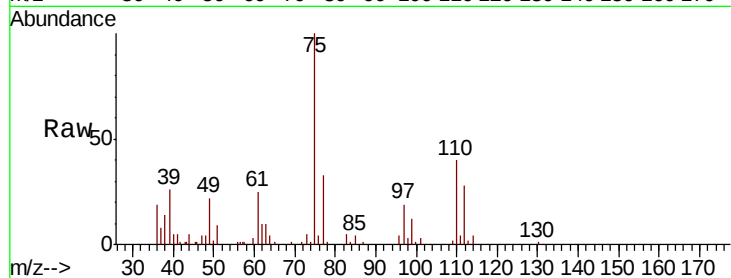
ClientSampleId :

Tot Ion: 75 Resp: 19481

Ion Ratio Lower Upper

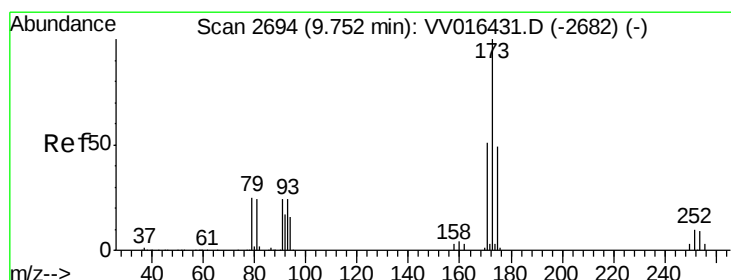
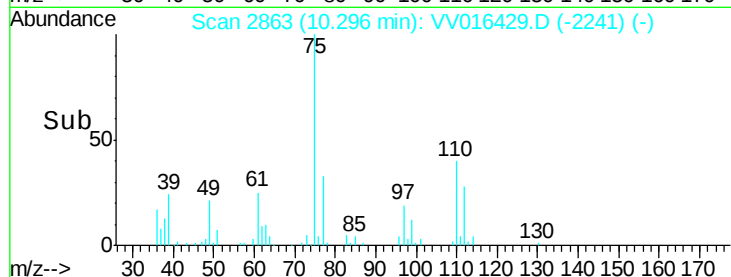
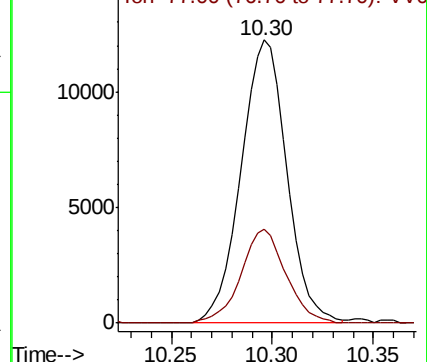
75 100

77 32.5 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 4.104 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

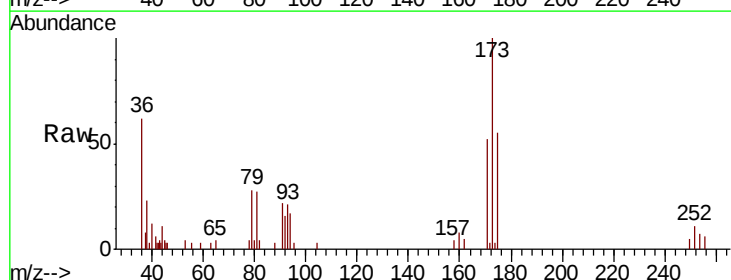
Tgt Ion: 173 Resp: 6813

Ion Ratio Lower Upper

173 100

175 49.3 38.8 58.2

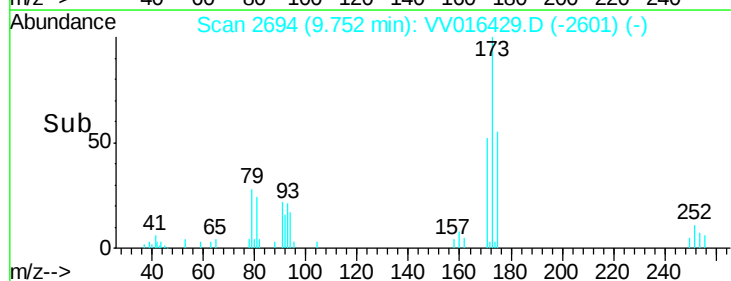
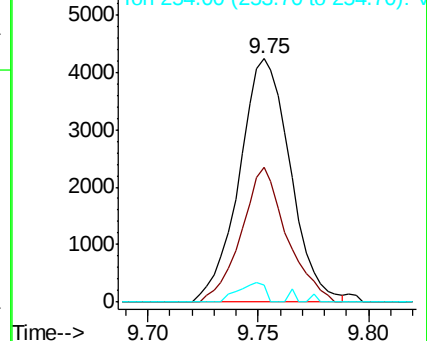
254 4.2 7.9 11.9#

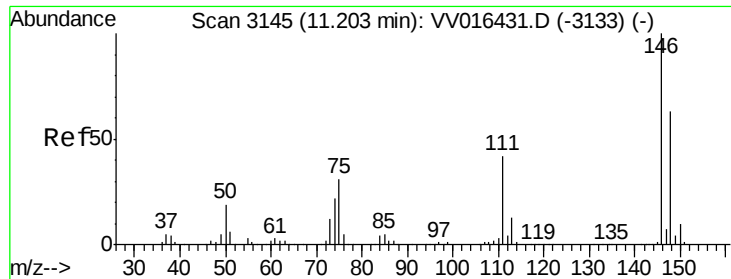


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 5.399 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

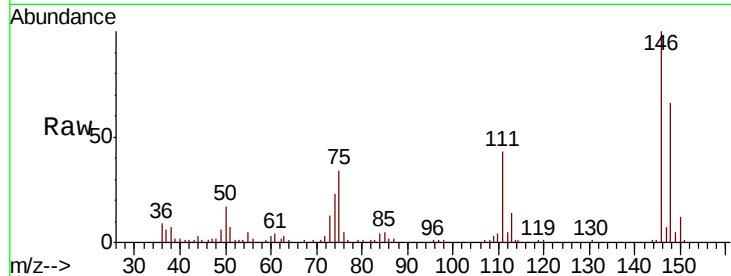
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 30133

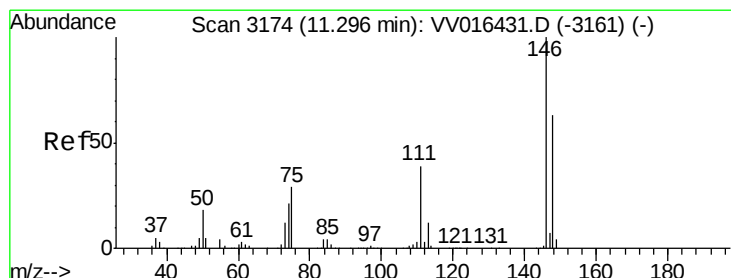
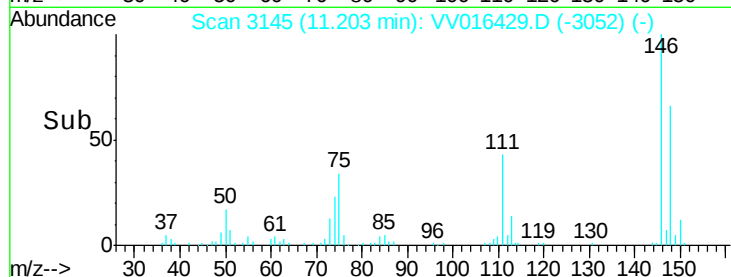
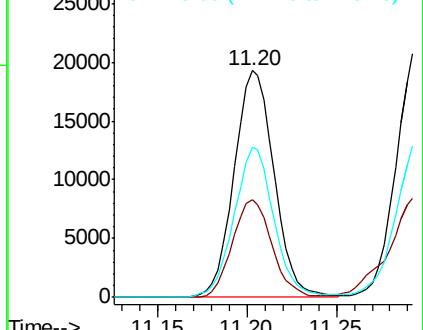
Ion	Ratio	Lower	Upper
146	100		
111	43.3	29.8	55.3
148	66.1	44.0	81.8



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: 5.640 ug/L

RT: 11.29 min Scan# 3173

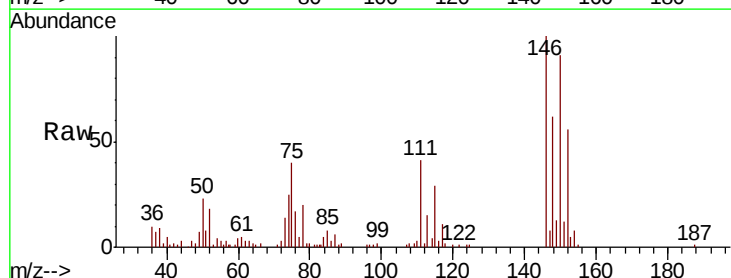
Delta R.T. -0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Tgt Ion:146 Resp: 32242

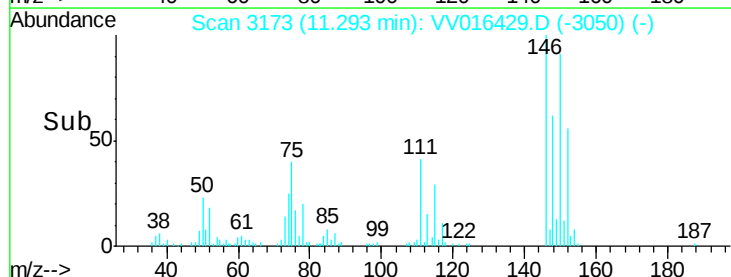
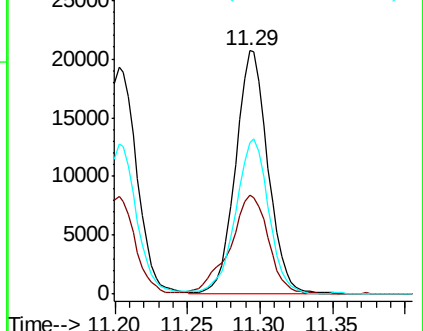
Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.3	50.7
148	62.3	44.5	82.7

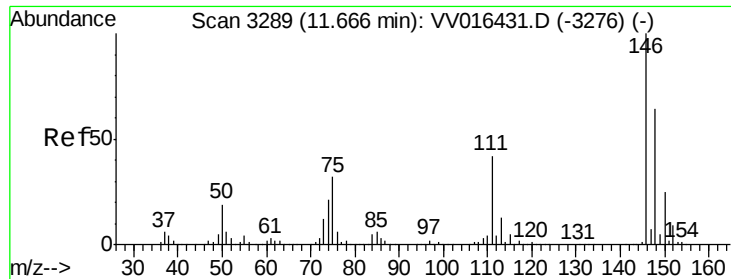


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.519 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :

MSVOA_V

ClientSampled :

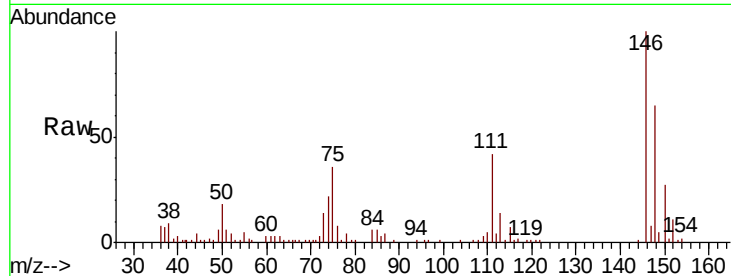
Tot Ion:146 Resp: 31158

Ion Ratio Lower Upper

146 100

111 41.6 33.6 50.4

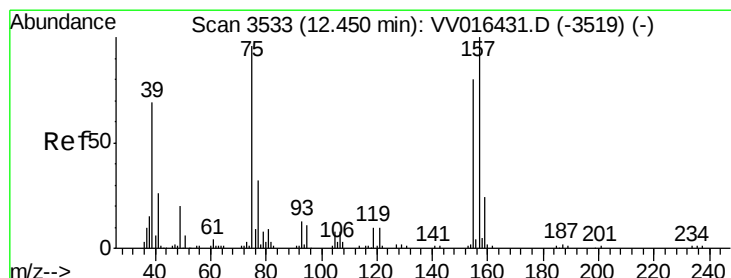
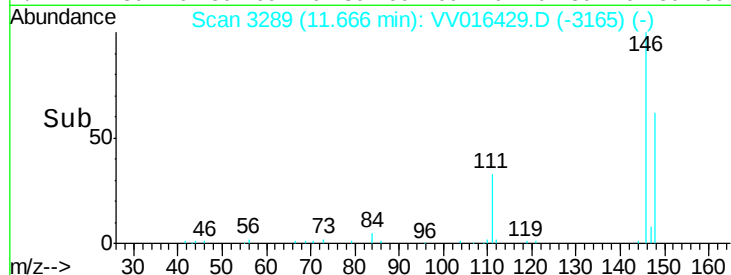
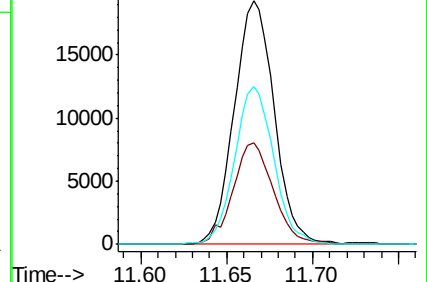
148 64.7 51.5 77.3



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: 5.075 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

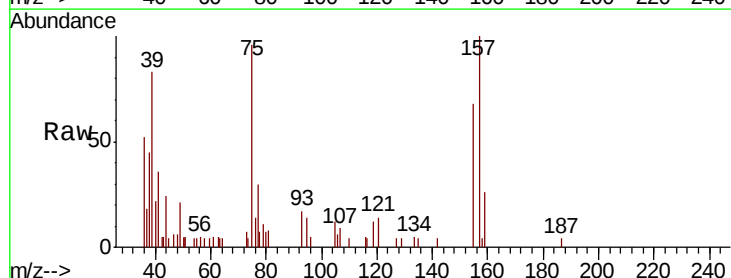
Tgt Ion: 75 Resp: 4382

Ion Ratio Lower Upper

75 100

155 71.3 66.2 99.2

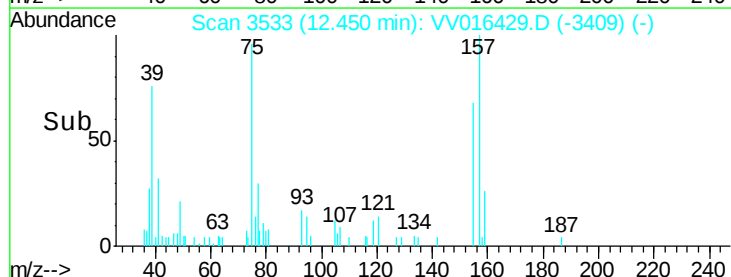
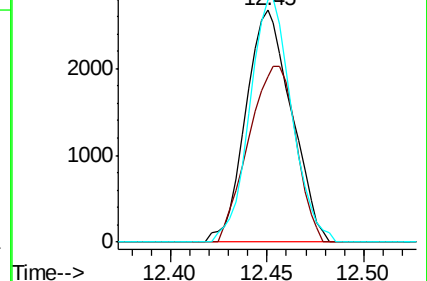
157 104.6 83.0 124.4

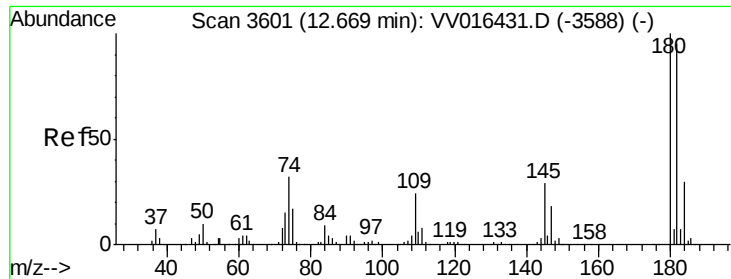


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

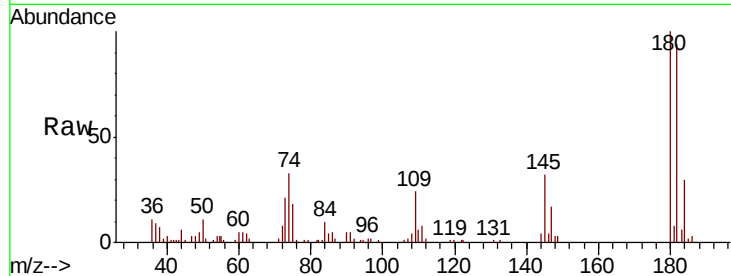




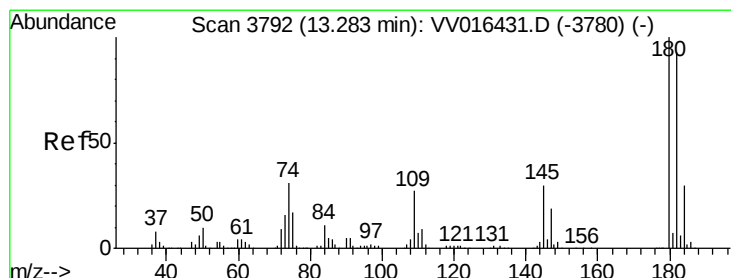
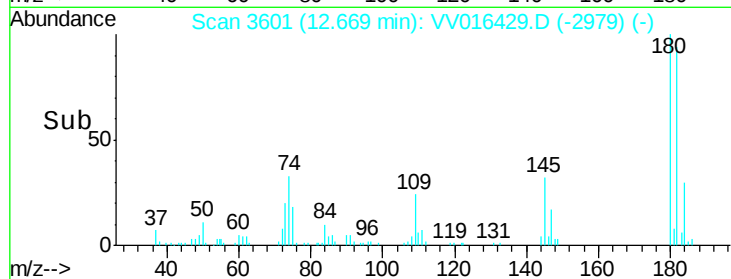
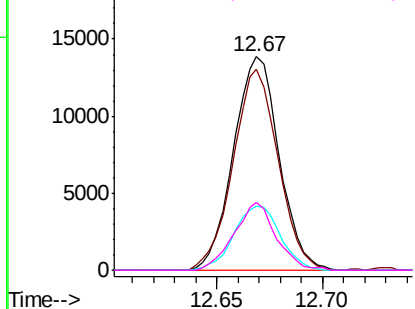
#67
 1,3,5-Trichlorobenzene
 Concen: 5.455 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016429.D
 Acq: 02 Jun 2020 15:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 20880
 Ion Ratio Lower Upper
 180 100
 182 92.6 75.8 113.8
 184 30.5 24.4 36.6
 145 28.9 24.2 36.2

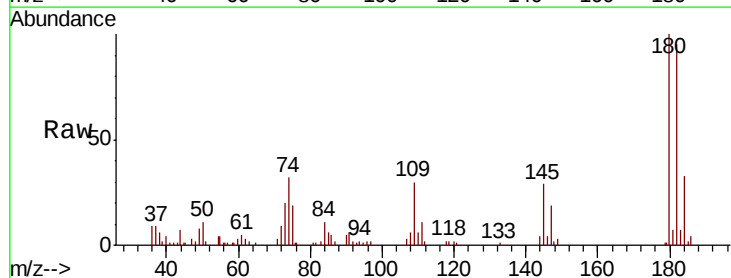


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

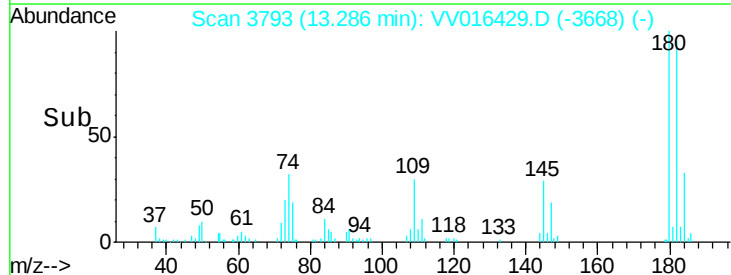
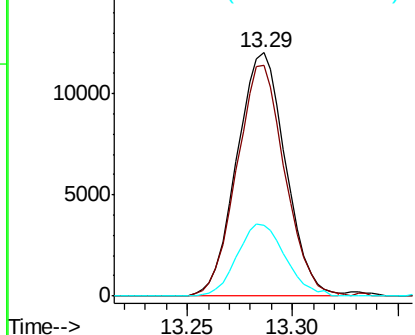


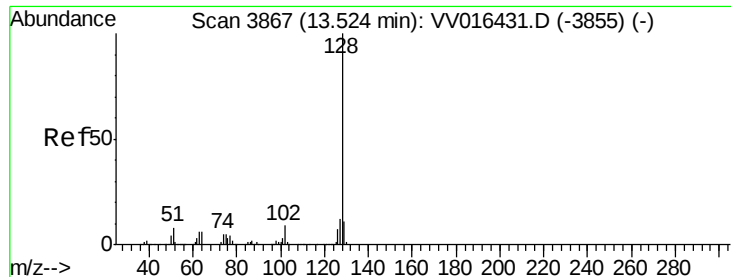
#68
 1,2,4-trichlorobenzene
 Concen: 5.632 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016429.D
 Acq: 02 Jun 2020 15:55

Tgt Ion:180 Resp: 19351
 Ion Ratio Lower Upper
 180 100
 182 93.4 74.6 111.8
 145 29.2 24.5 36.7



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: 5.554 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

Instrument :

MSVOA_V

ClientSampleId :

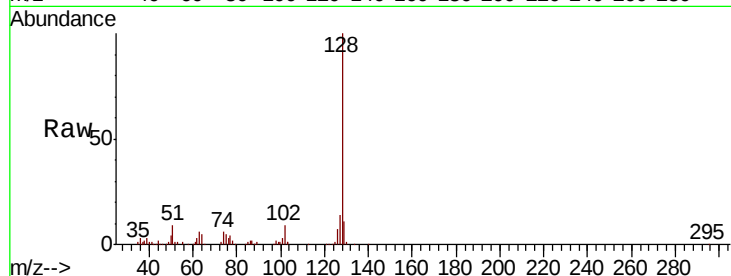
Tot Ion:128 Resp: 55482

Ion Ratio Lower Upper

128 100

127 14.3 10.2 15.4

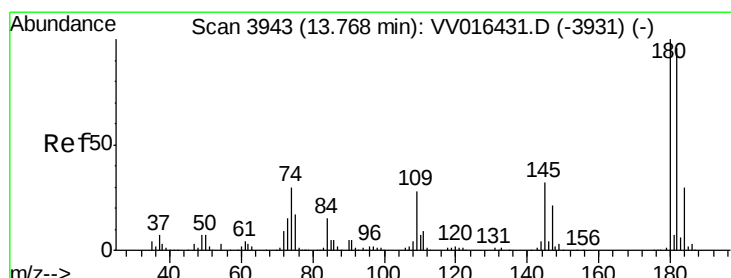
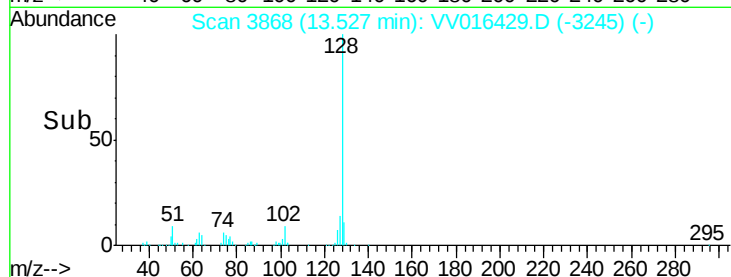
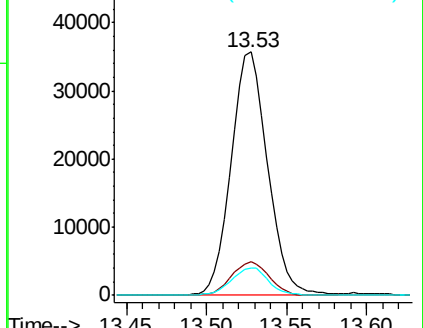
129 11.5 8.7 13.1



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: 5.355 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016429.D

Acq: 02 Jun 2020 15:55

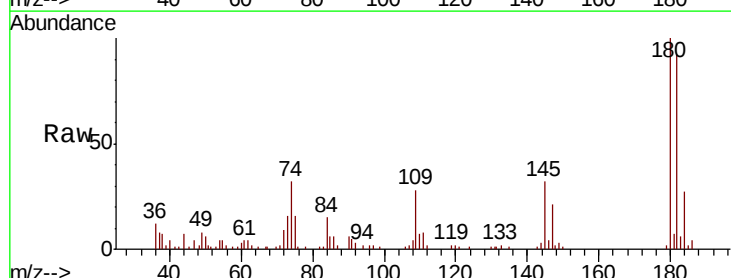
Tgt Ion:180 Resp: 18385

Ion Ratio Lower Upper

180 100

182 95.1 76.0 114.0

145 33.3 26.5 39.7



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

