

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016433.D
 Acq On : 02 Jun 2020 17:25
 Operator : SY/MD
 Sample : VSTD20066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 00:19:08 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	384533	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	368934	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	194000	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	559463	200.47	ug/L	0.00
7) Chloroethane-d5	1.58	69	366620	153.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	992579	191.80	ug/L	0.00
21) 2-Butanone-d5	3.91	46	780417	469.27	ug/L	0.00
24) Chloroform-d	4.38	84	1067375	200.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	703462	194.58	ug/L	0.00
32) Benzene-d6	5.08	84	2062174	203.36	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	642766	200.96	ug/L	0.00
41) Toluene-d8	7.34	98	1898805	202.40	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	338924	214.06	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	610169	562.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	861093	211.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	743313	195.25	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	636122	213.295	ug/L	100
3) Chloromethane	1.25	50	601641	195.861	ug/L	100
5) Vinyl chloride	1.32	62	594670	200.288	ug/L	99
6) Bromomethane	1.53	94	323720	185.346	ug/L	98
8) Chloroethane	1.60	64	299185	157.061	ug/L	97
9) Trichlorofluoromethane	1.77	101	864567	214.670	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	449522	187.400	ug/L	100
12) 1,1-Dichloroethene	2.13	96	433514	194.212	ug/L	92
13) Acetone	2.19	43	567208	352.332	ug/L	98
14) Carbon disulfide	2.31	76	1578590	239.993	ug/L	99
15) Methyl Acetate	2.45	43	630274	230.681	ug/L	99
16) Methylene chloride	2.52	84	572596	198.645	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	553410	220.525	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	1756646	208.992	ug/L	99
19) 1,1-Dichloroethane	3.21	63	1011799	201.349	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	598778	216.796	ug/L	100
22) 2-Butanone	3.99	43	863142	473.572	ug/L	96
23) Bromochloromethane	4.28	128	308715	212.945	ug/L	96
25) Chloroform	4.40	83	1042564	198.644	ug/L	100
27) 1,2-Dichloroethane	5.16	62	861408	204.034	ug/L	98
29) Cyclohexane	4.71	56	933487	222.053	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	944694	206.918	ug/L	99
31) Carbon tetrachloride	4.86	117	819917	212.834	ug/L	99
33) Benzene	5.13	78	2227496	212.696	ug/L	100
34) Trichloroethene	5.94	95	587333	217.445	ug/L	96
35) Methylcyclohexane	6.16	83	884705	212.810	ug/L	100
37) 1,2-Dichloropropane	6.20	63	585551	208.982	ug/L	99
38) Bromodichloromethane	6.53	83	784623	209.657	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	966157	229.214	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	1713471	482.034	ug/L	98

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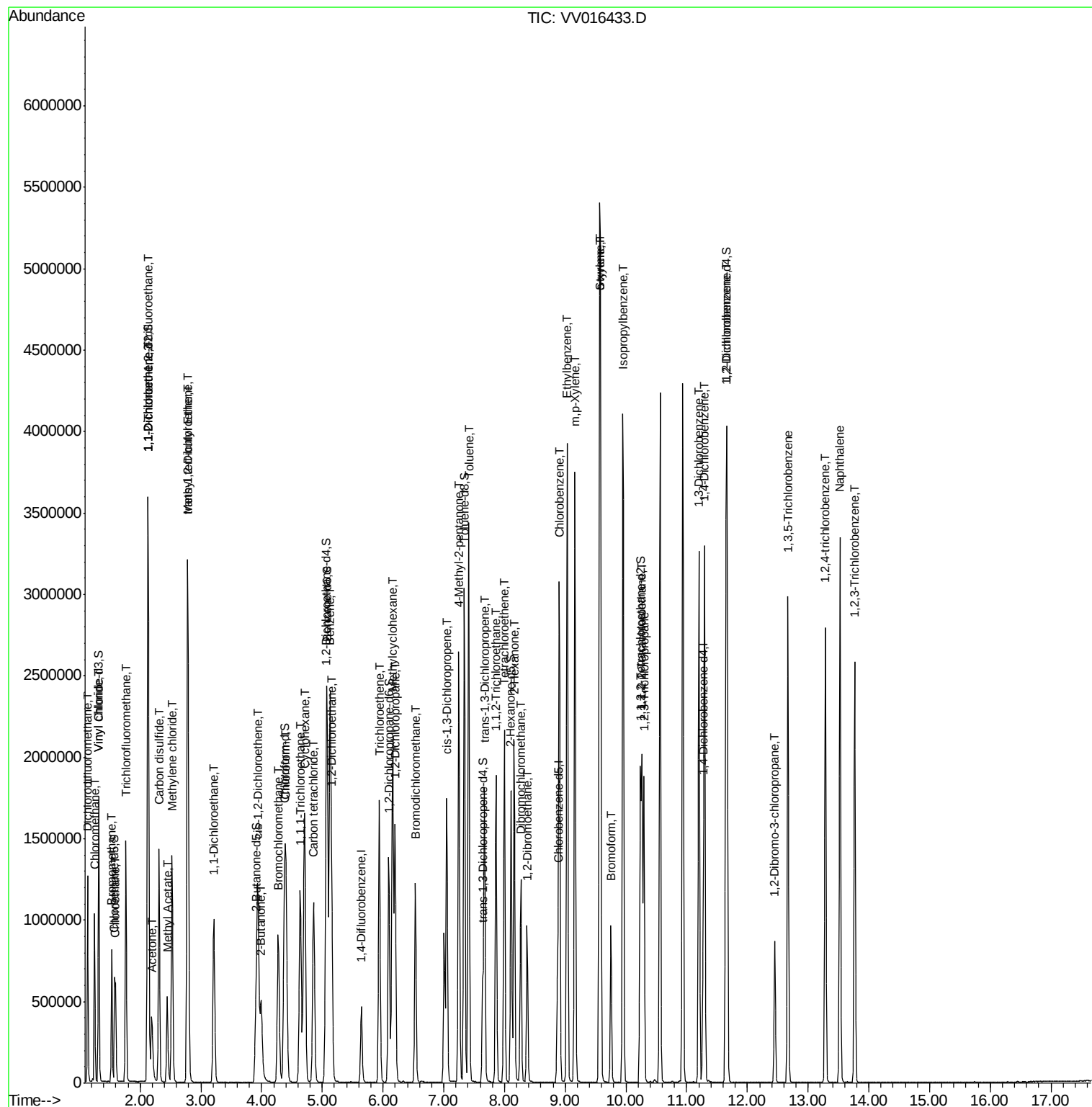
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2370695	211.623	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	934360	223.313	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	552393	211.752	ug/L	98
46) Tetrachloroethene	8.00	164	466614	224.121	ug/L	98
48) 2-Hexanone	8.16	43	1293186	480.243	ug/L	99
49) Dibromochloromethane	8.27	129	612160	226.029	ug/L	100
50) 1,2-Dibromoethane	8.37	107	606100	223.683	ug/L	99
51) Chlorobenzene	8.90	112	1541822	211.380	ug/L	100
52) Ethylbenzene	9.04	91	2669890	212.440	ug/L	100
53) m,p-Xylene	9.16	106	1000478	213.293	ug/L	98
54) o-xylene	9.57	106	970126	212.364	ug/L	100
55) Styrene	9.58	104	1707371	217.667	ug/L	99
56) Isopropylbenzene	9.95	105	2531376	209.925	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	891482	218.186	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	716905	214.493	ug/L	98
61) Bromoform	9.75	173	408554	231.577	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	1224498	206.425	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	1247679	205.376	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1224276	204.054	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	203226	221.468	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	852335	209.540	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	804290	220.247	ug/L	99
69) Naphthalene	13.52	128	2488436	234.382	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	747465	204.869	ug/L	100

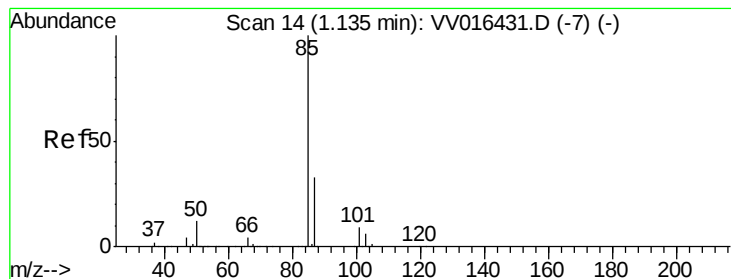
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 213.295 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :

MSVOA_V

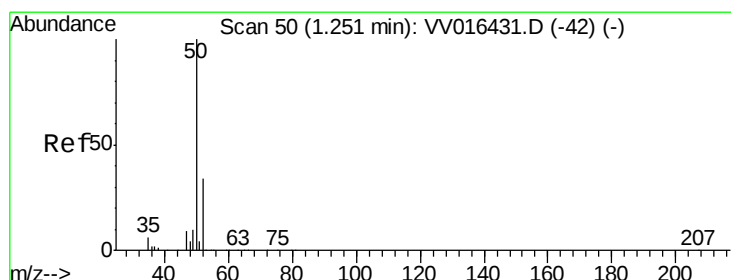
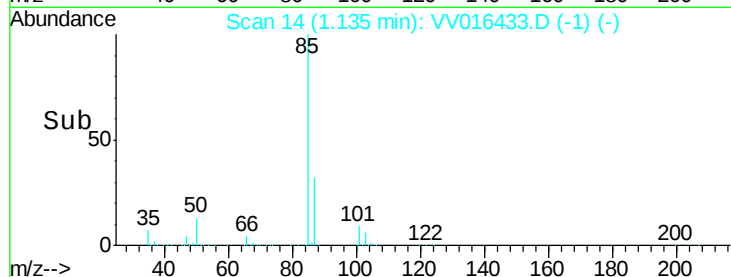
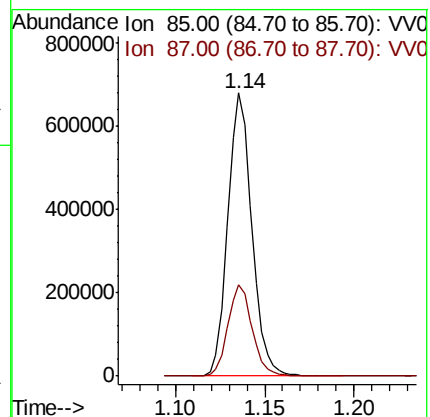
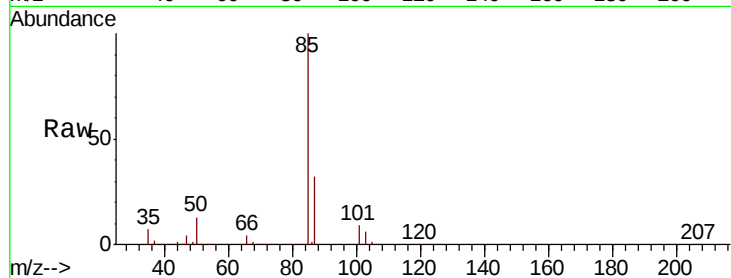
ClientSampleId :

Tot Ion: 85 Resp: 636122

Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.2



#3

Chloromethane

Concen: 195.861 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016433.D

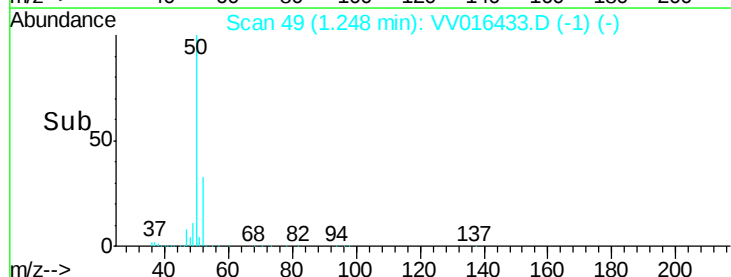
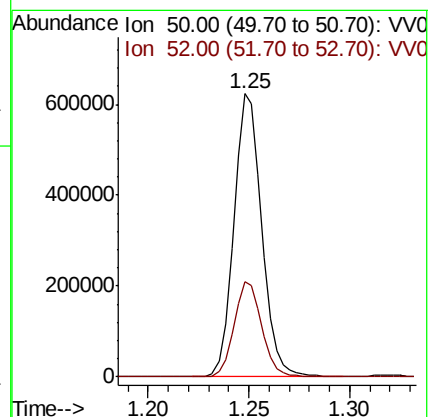
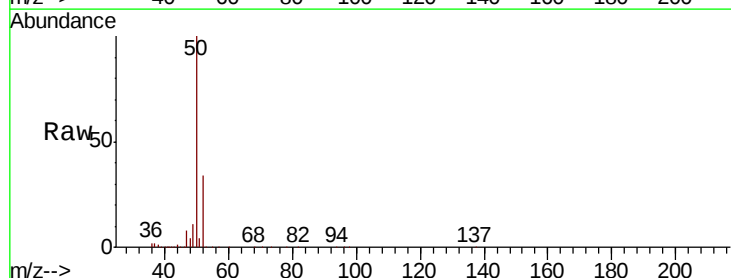
Acq: 02 Jun 2020 17:25

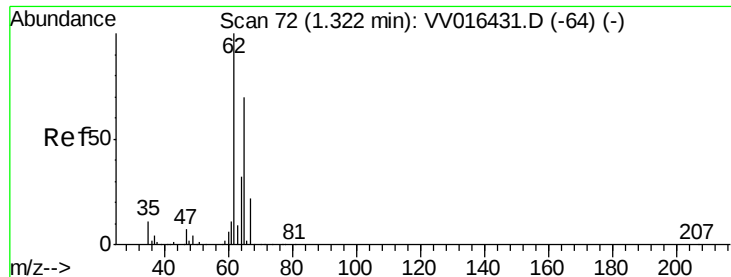
Tgt Ion: 50 Resp: 601641

Ion Ratio Lower Upper

50 100

52 33.5 23.5 43.7





#5

Vinyl chloride

Concen: 200.288 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :

MSVOA_V

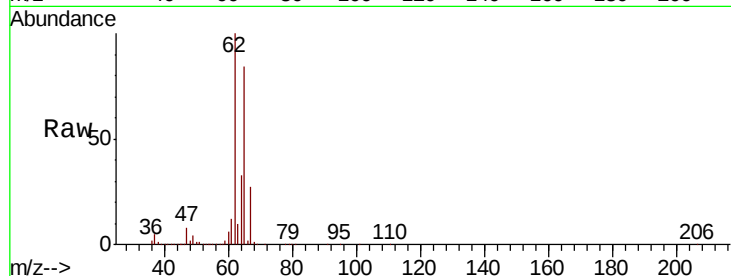
ClientSampleId :

Tot Ion: 62 Resp: 594670

Ion Ratio Lower Upper

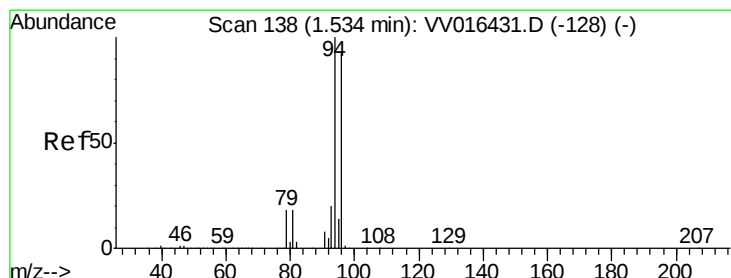
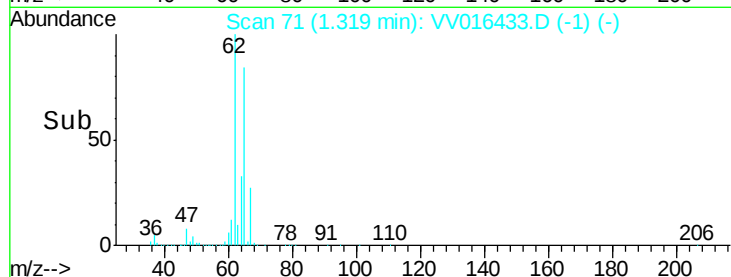
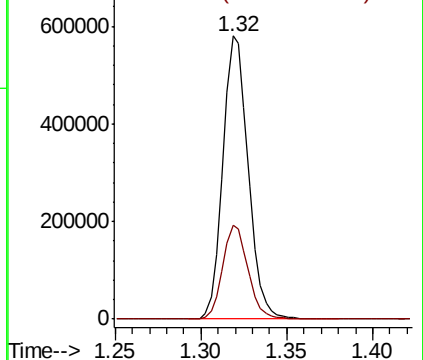
62 100

64 33.2 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: 185.346 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV016433.D

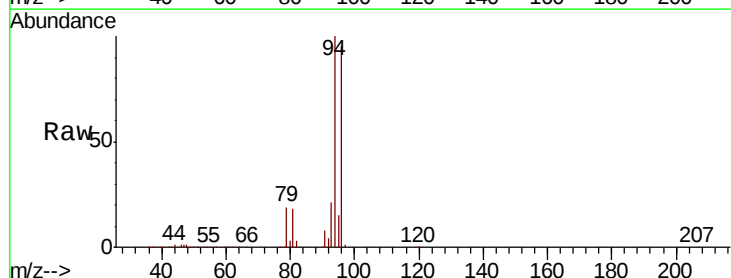
Acq: 02 Jun 2020 17:25

Tgt Ion: 94 Resp: 323720

Ion Ratio Lower Upper

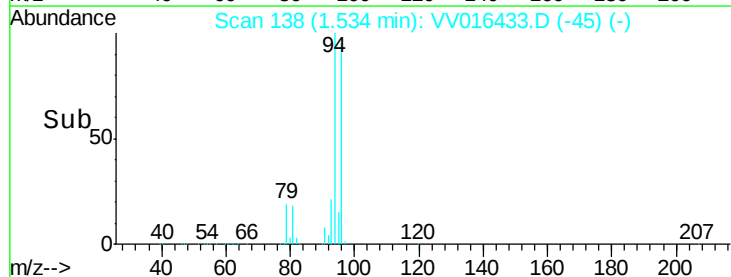
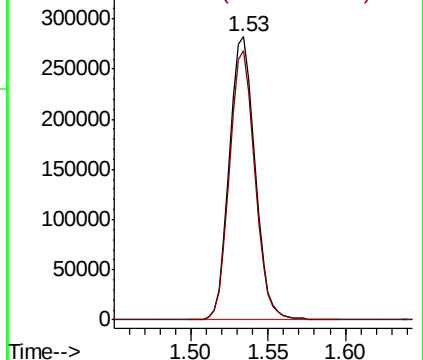
94 100

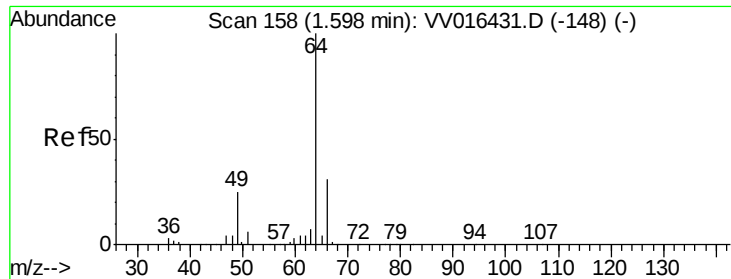
96 95.2 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

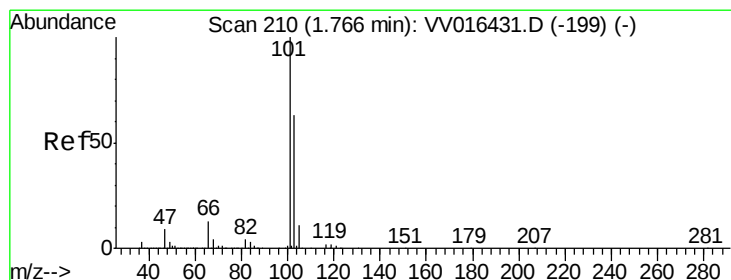
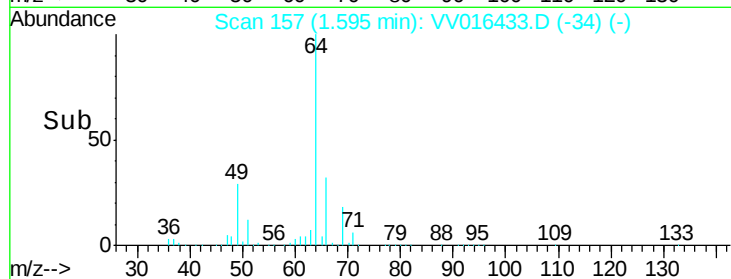
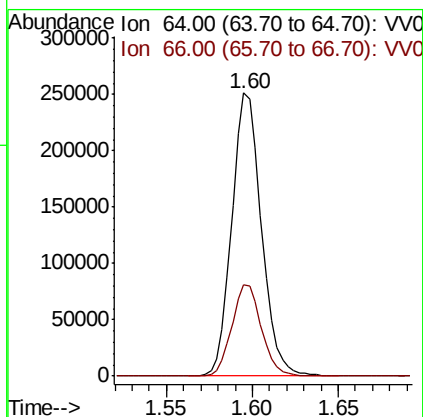
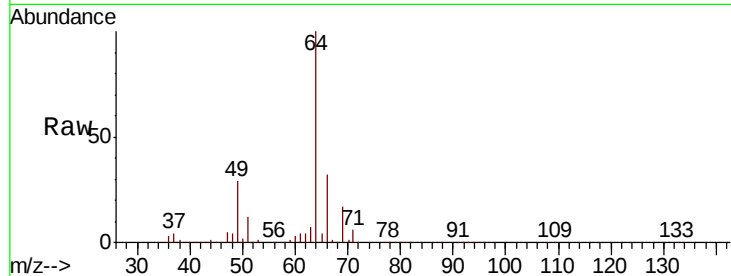




#8
Chloroethane
Concen: 157.061 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV016433.D
Acq: 02 Jun 2020 17:25

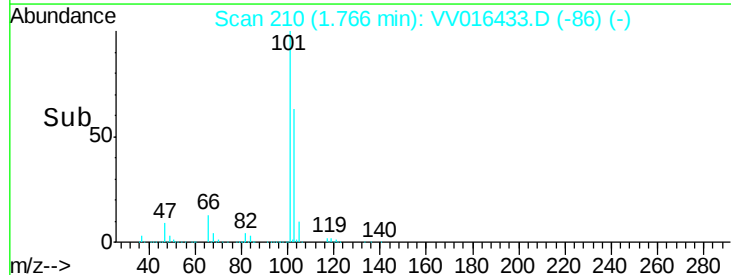
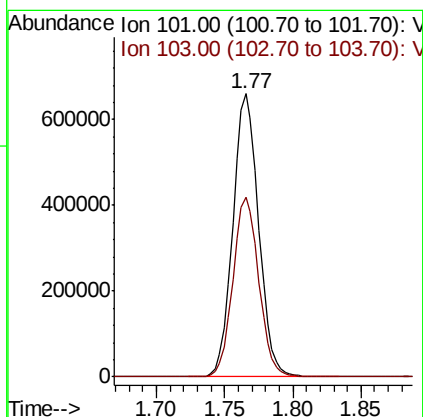
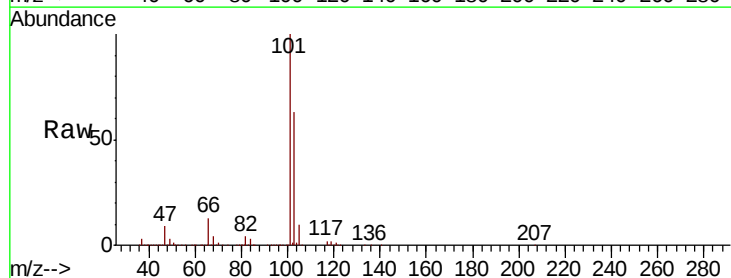
Instrument :
MSVOA_V
ClientSampleId :

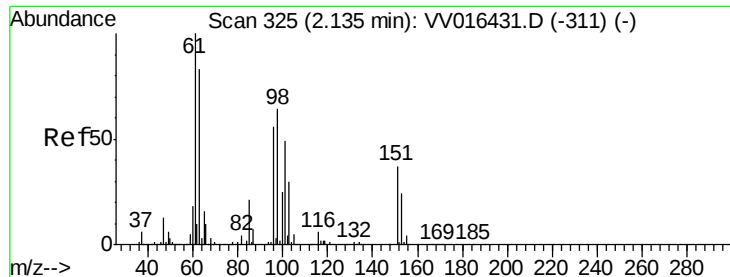
Tot Ion: 64 Resp: 299185
Ion Ratio Lower Upper
64 100
66 32.4 21.4 39.8



#9
Trichlorofluoromethane
Concen: 214.670 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV016433.D
Acq: 02 Jun 2020 17:25

Tgt Ion: 101 Resp: 864567
Ion Ratio Lower Upper
101 100
103 63.8 50.9 76.3





#10

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

Concen: 187.400 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

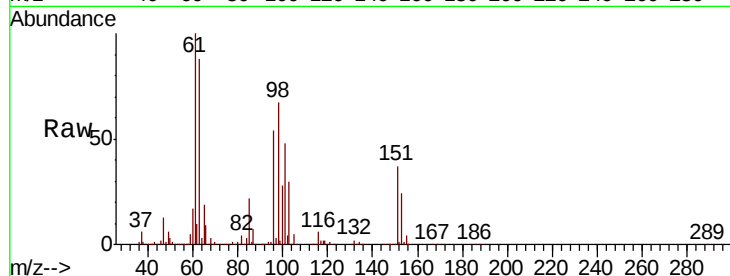
Tot Ion:101 Resp: 449522

Ion Ratio Lower Upper

101 100

85 44.6 35.6 53.4

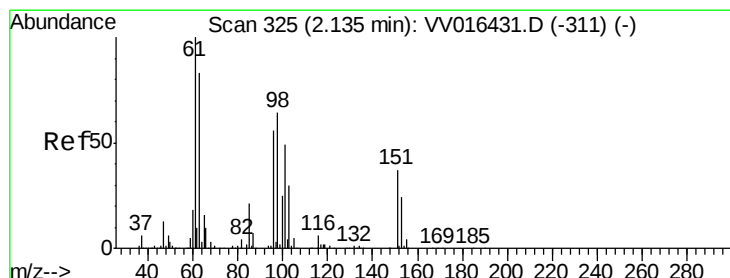
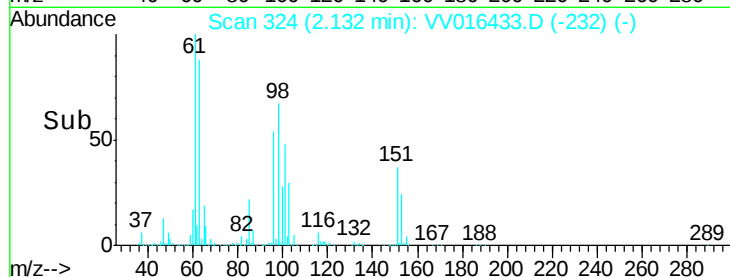
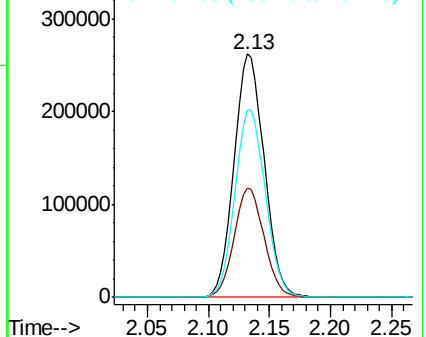
151 77.9 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 194.212 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

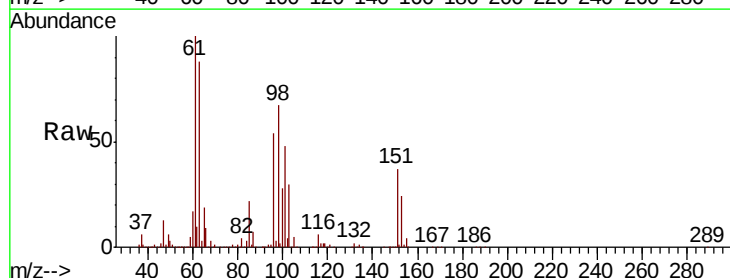
Tgt Ion: 96 Resp: 433514

Ion Ratio Lower Upper

96 100

61 186.6 125.5 233.1

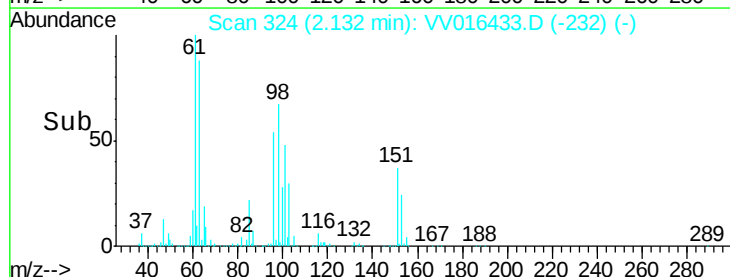
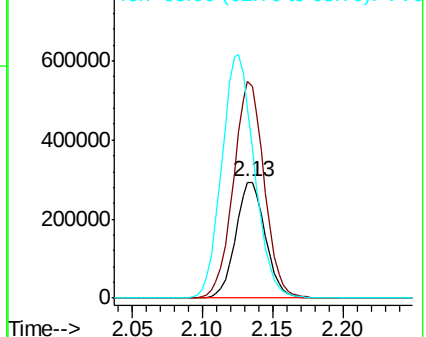
63 164.2 104.0 193.1

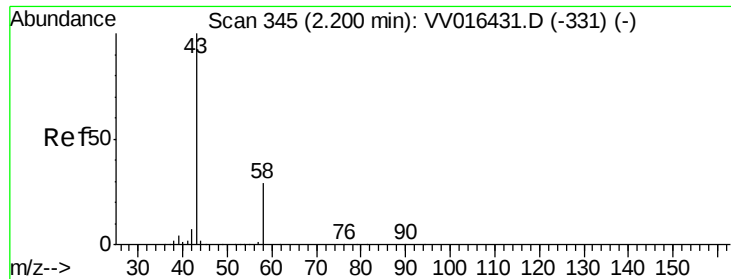


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 352.332 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :

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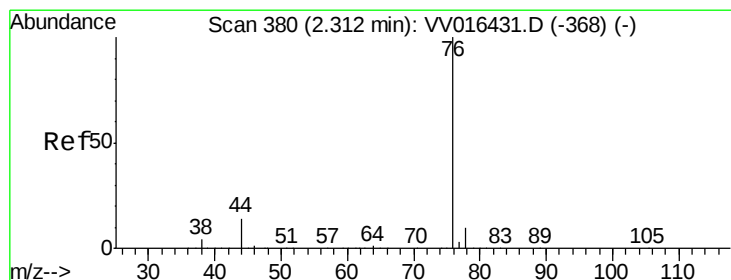
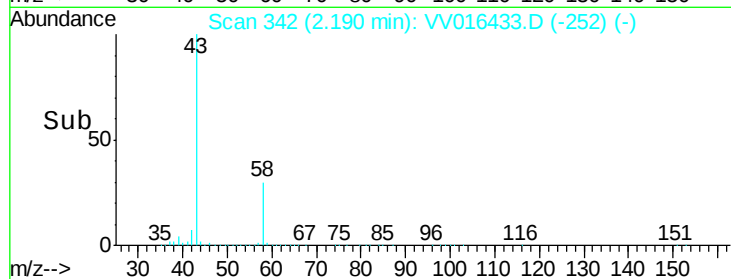
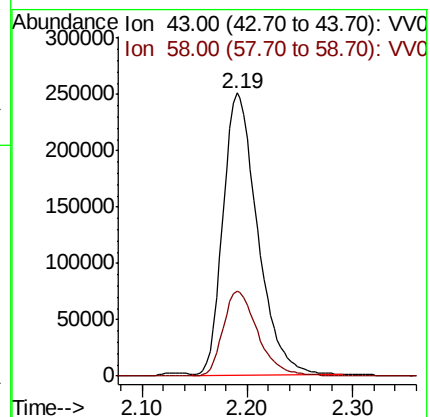
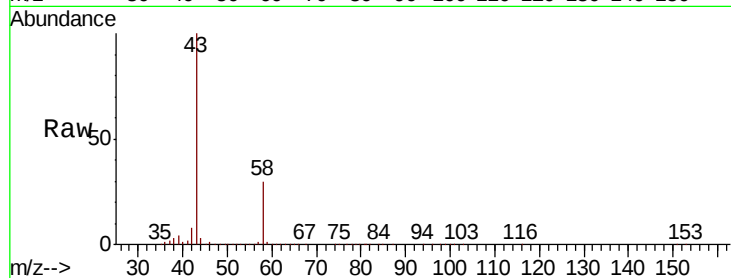
ClientSampleId :

Tot Ion: 43 Resp: 567208

Ion Ratio Lower Upper

43 100

58 29.8 0.0 57.2



#14

Carbon disulfide

Concen: 239.993 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016433.D

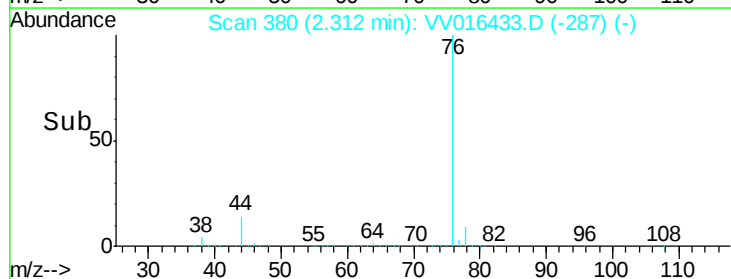
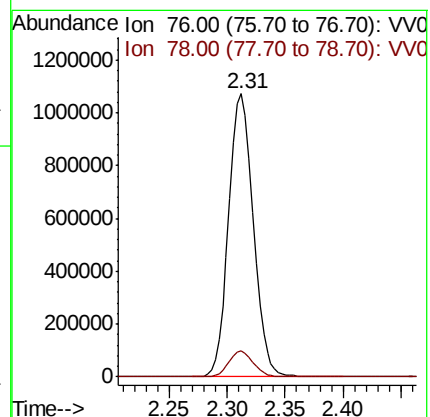
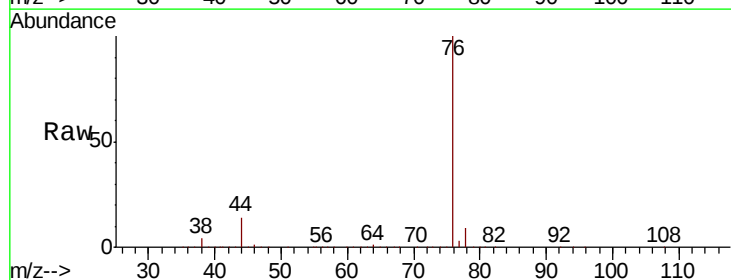
Acq: 02 Jun 2020 17:25

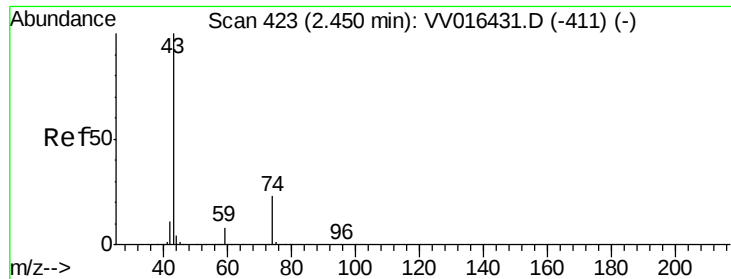
Tgt Ion: 76 Resp: 1578590

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

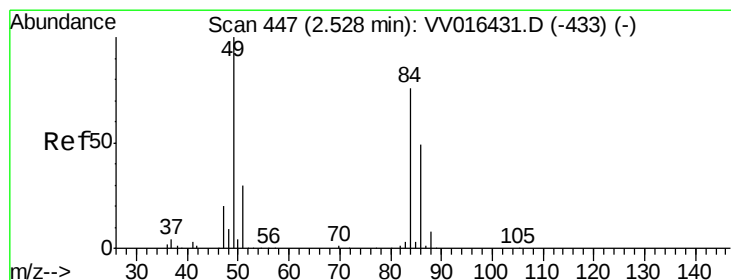
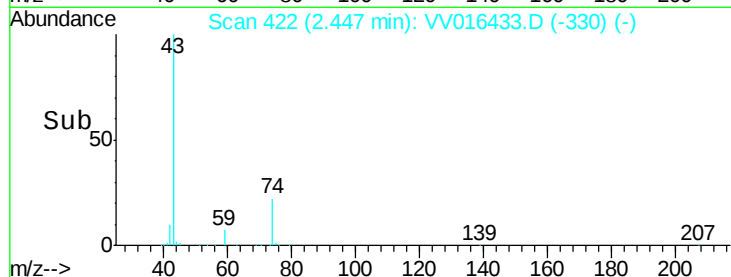
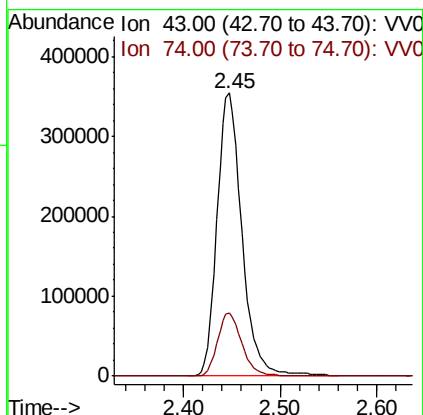
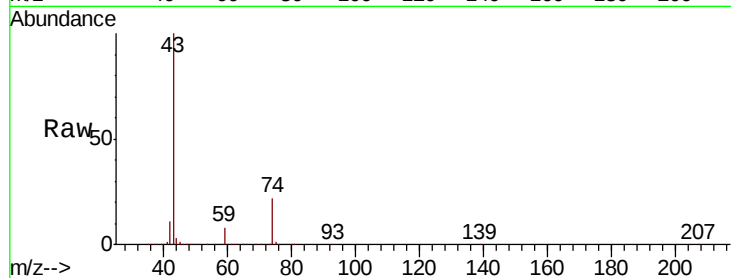




#15
Methvl Acetate
Concen: 230.681 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV016433.D
Acq: 02 Jun 2020 17:25

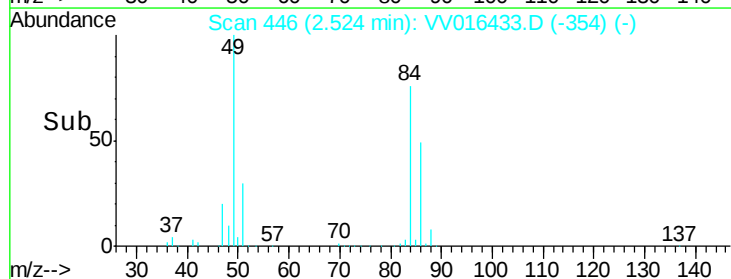
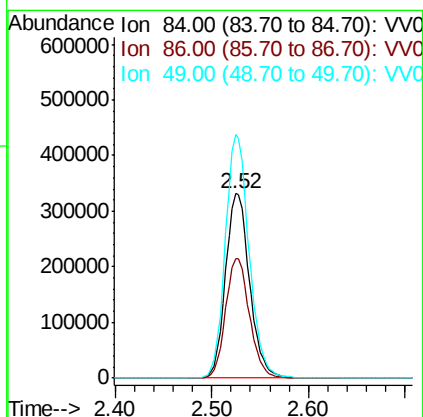
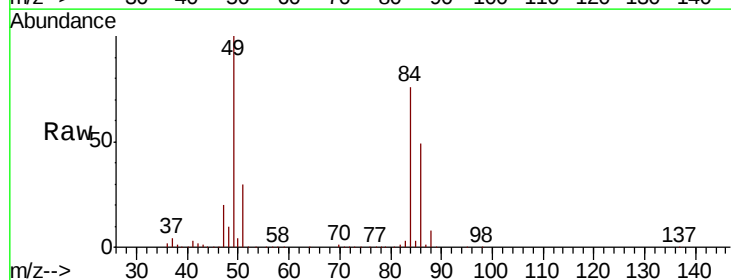
Instrument :
MSVOA_V
ClientSampleId :

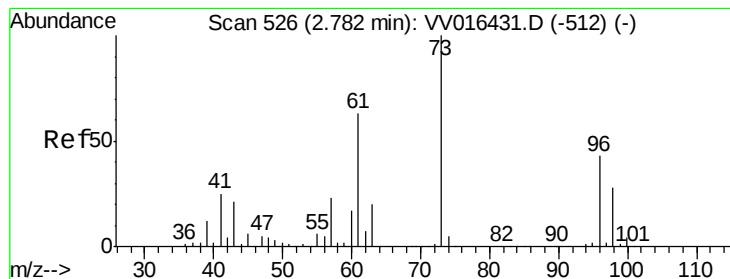
Tot Ion: 43 Resp: 630274
Ion Ratio Lower Upper
43 100
74 22.1 18.1 27.1



#16
Methylene chloride
Concen: 198.645 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV016433.D
Acq: 02 Jun 2020 17:25

Tgt Ion: 84 Resp: 572596
Ion Ratio Lower Upper
84 100
86 65.0 45.1 83.9
49 132.2 92.4 171.6





#17

trans-1,2-Dichloroethene

Concen: 220.525 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

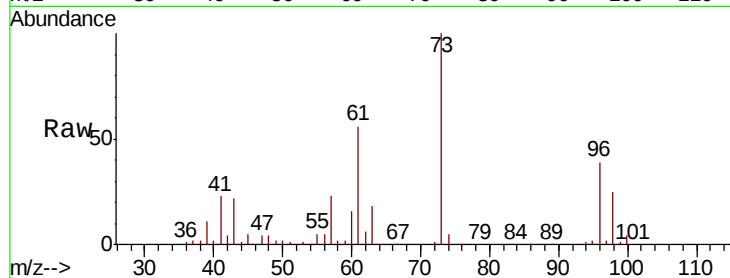
Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 553410

Ion	Ratio	Lower	Upper
96	100		
61	142.8	101.0	187.6
98	62.7	44.7	83.1

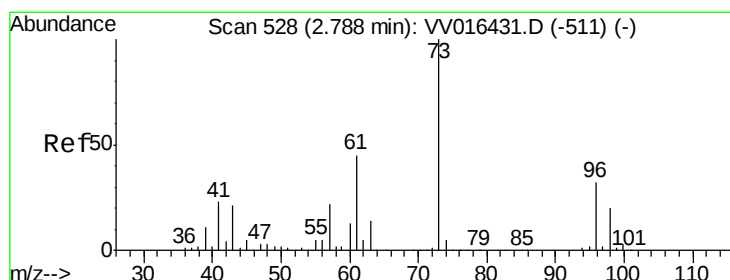
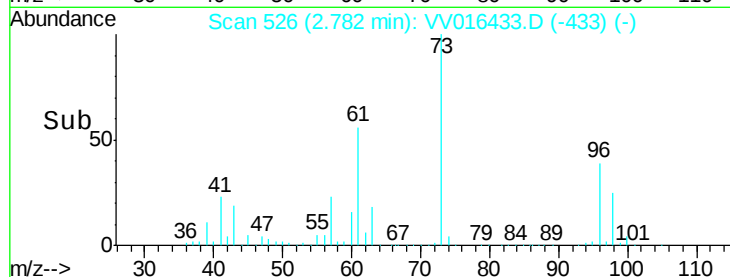
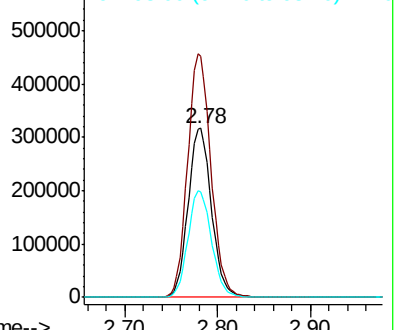


Abundance

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: 208.992 ug/L

RT: 2.78 min Scan# 527

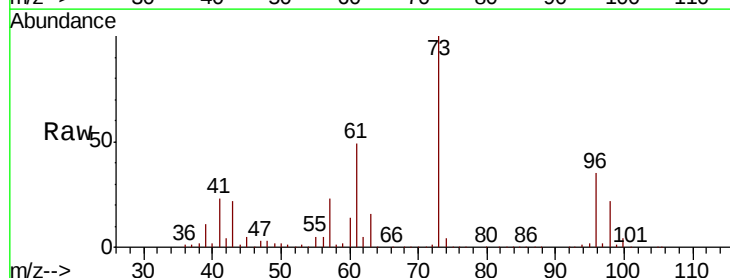
Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Tgt Ion: 73 Resp: 1756646

Ion	Ratio	Lower	Upper
73	100		
43	21.5	17.0	25.4
57	22.4	17.8	26.8

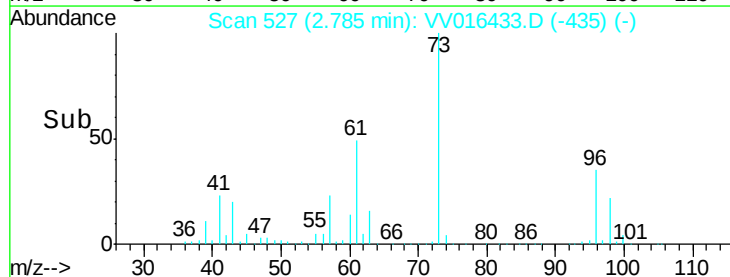
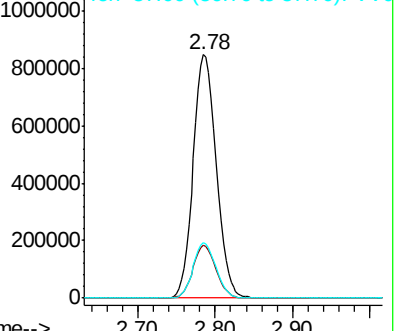


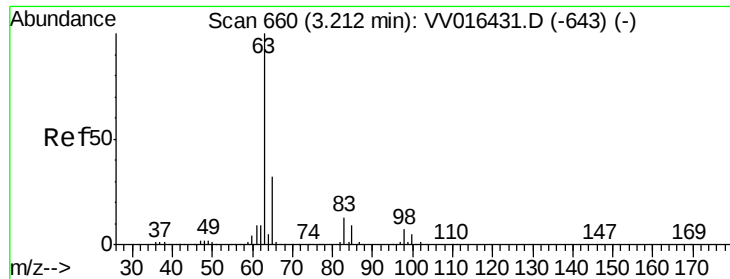
Abundance

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



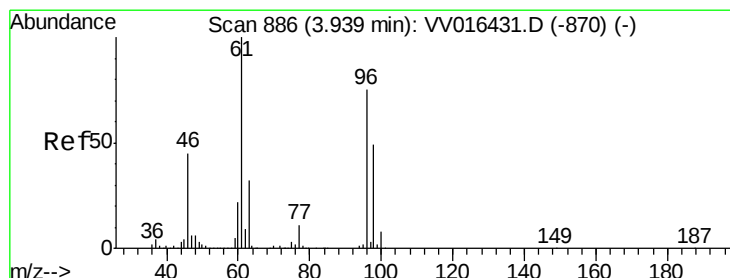
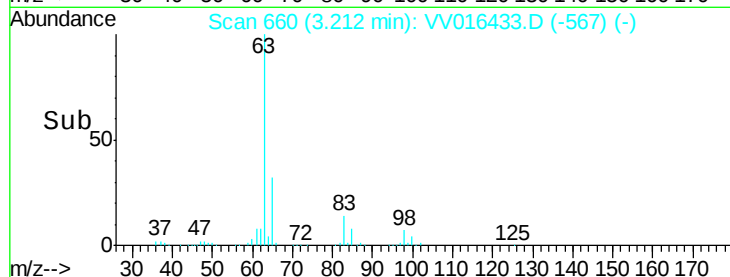
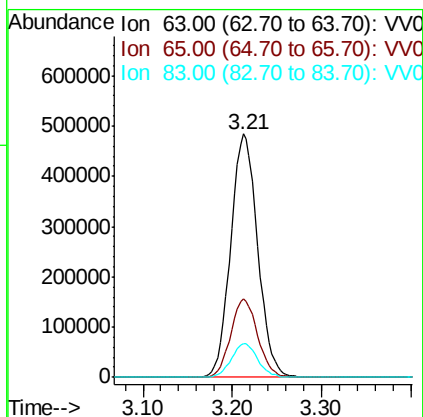
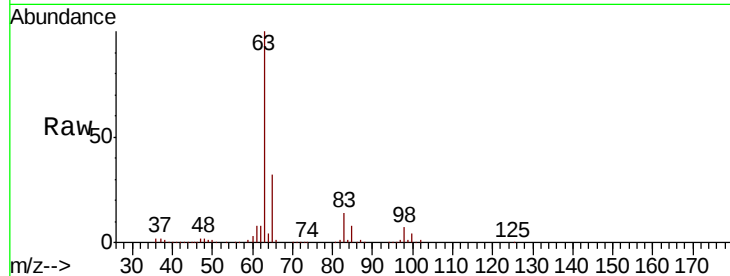


#19
 1,1-Dichloroethane
 Concen: 201.349 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV016433.D
 Acq: 02 Jun 2020 17:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 1011799

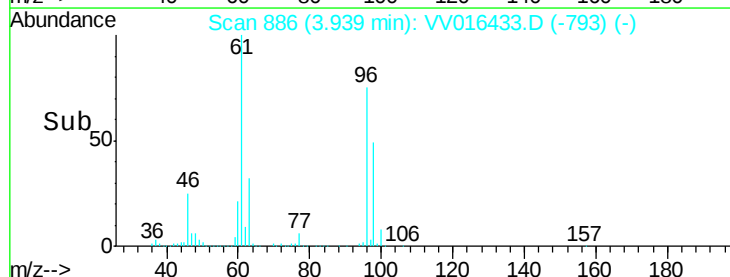
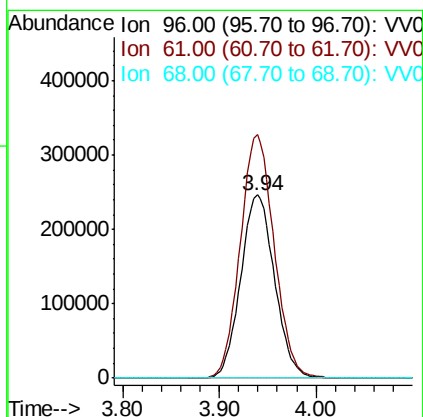
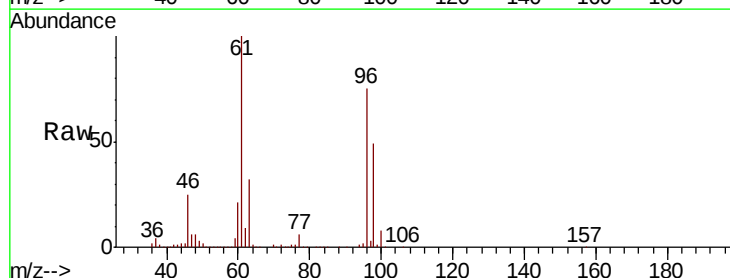
Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.2	41.2
83	13.8	9.1	16.9

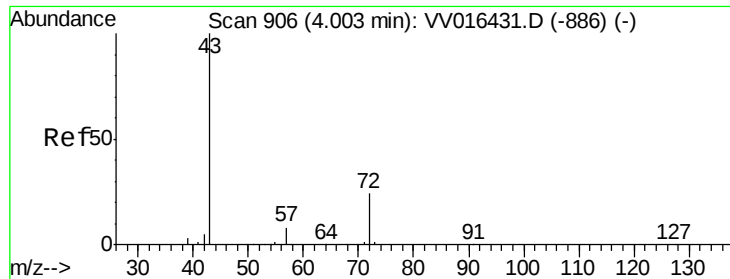


#20
 cis-1,2-Dichloroethene
 Concen: 216.796 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV016433.D
 Acq: 02 Jun 2020 17:25

Tgt Ion: 96 Resp: 598778

Ion	Ratio	Lower	Upper
96	100		
61	132.8	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 473.572 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.01 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

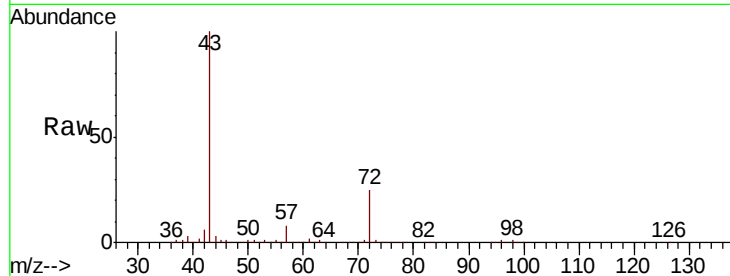
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 863142

Ion Ratio Lower Upper

43 100

72 23.7 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV016433.D (-813) (-)

Ion 72.00 (71.70 to 72.70): VV016433.D (-813) (-)

3.99

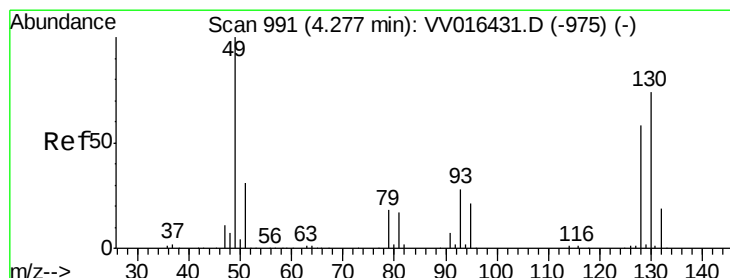
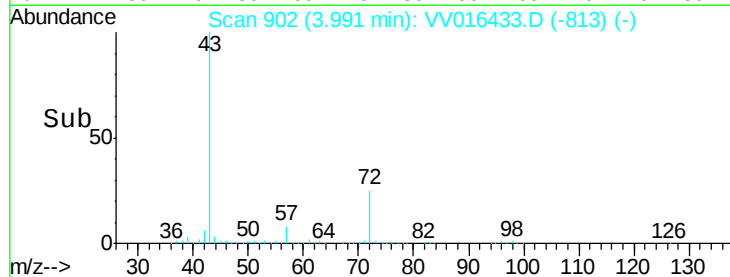
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 212.945 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Tgt Ion:128 Resp: 308715

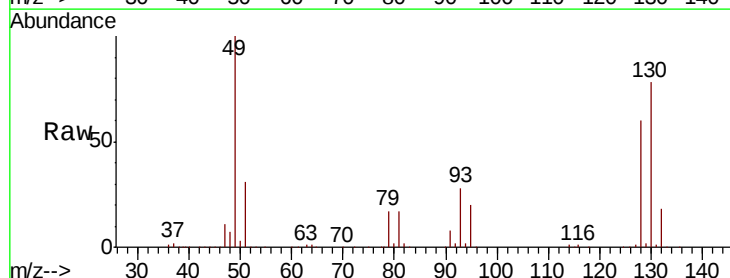
Ion Ratio Lower Upper

128 100

49 165.8 121.7 225.9

130 129.0 90.1 167.3

51 51.6 43.8 65.6



Abundance Ion 128.00 (127.70 to 128.70): VV016433.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV016433.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV016433.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV016433.D (-898) (-)

4.28

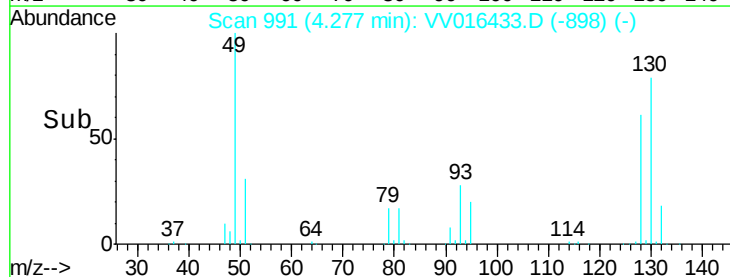
300000

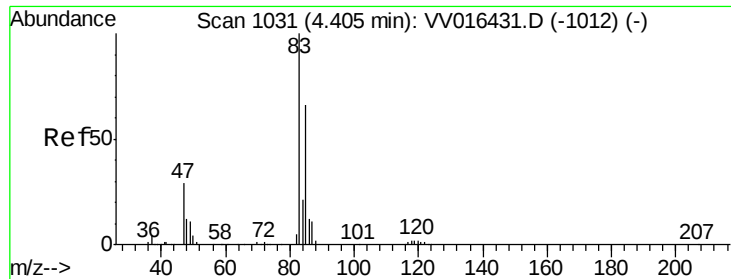
200000

100000

0

Time-->





#25

Chloroform

Concen: 198.644 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

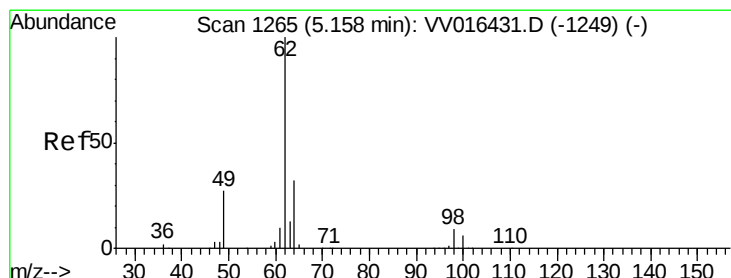
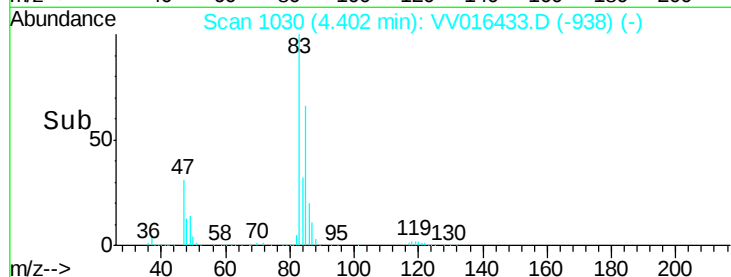
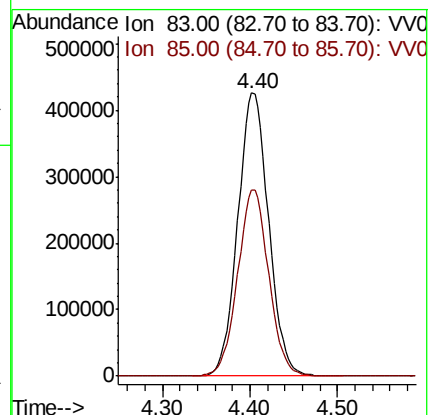
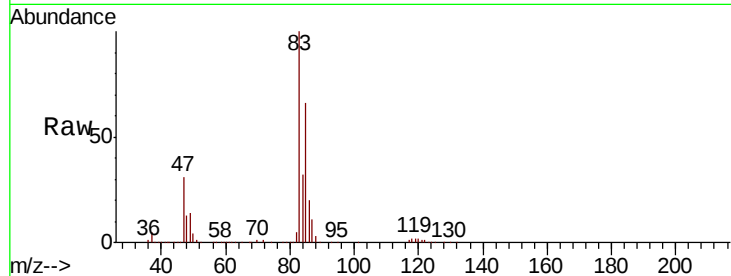
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 1042564

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.7



#27

1,2-Dichloroethane

Concen: 204.034 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VV016433.D

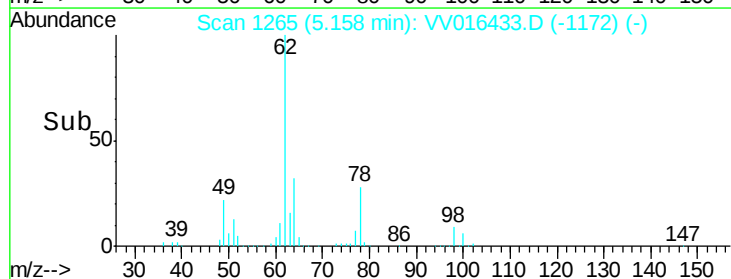
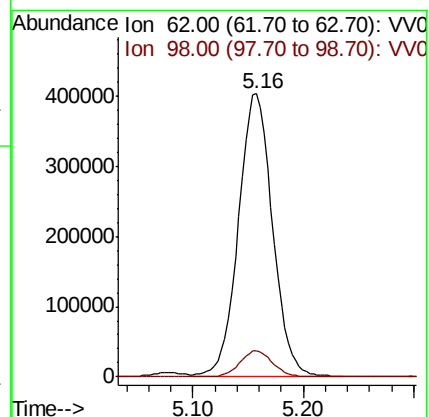
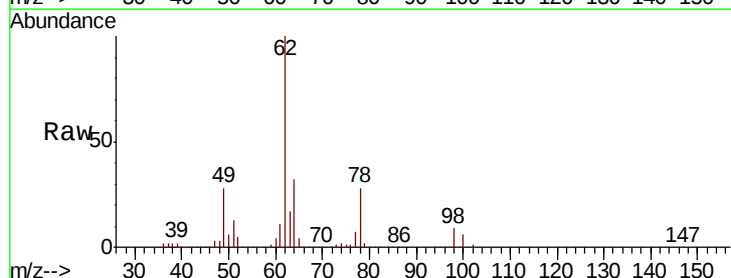
Acq: 02 Jun 2020 17:25

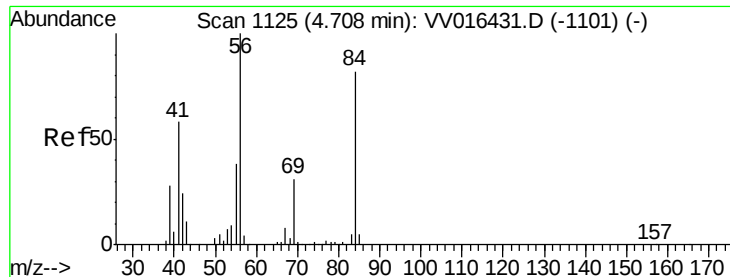
Tgt Ion: 62 Resp: 861408

Ion Ratio Lower Upper

62 100

98 9.2 6.9 10.3

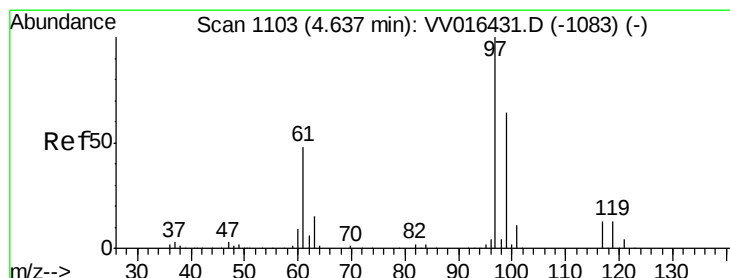
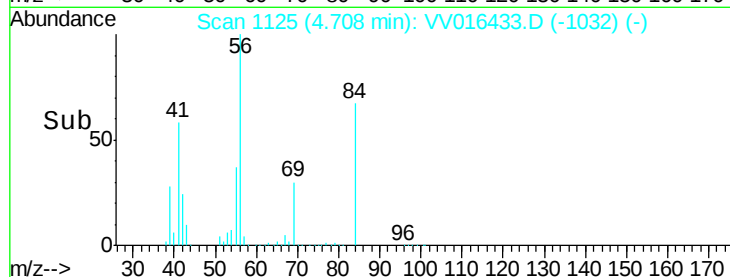
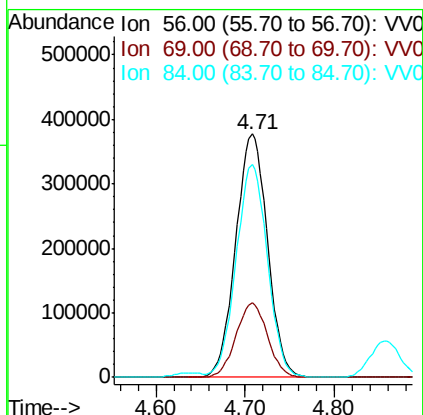
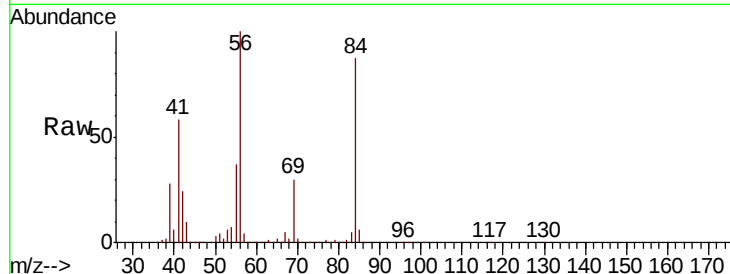




#29
Cyclohexane
Concen: 222.053 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VV016433.D
Acq: 02 Jun 2020 17:25

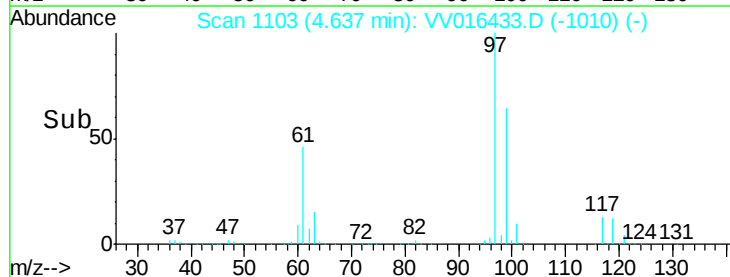
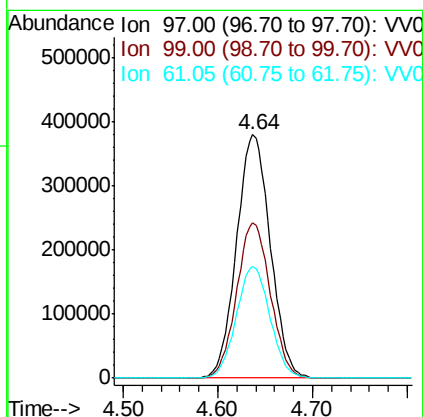
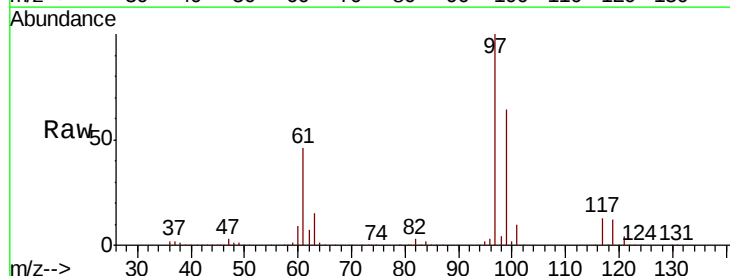
Instrument :
MSVOA_V
ClientSampleId :

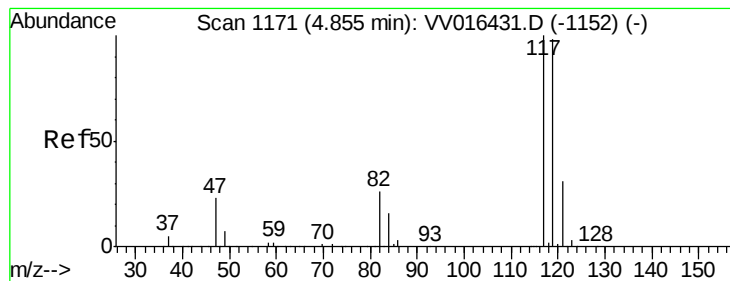
Tot Ion: 56 Resp: 933487
Ion Ratio Lower Upper
56 100
69 30.4 23.9 35.9
84 86.2 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 206.918 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV016433.D
Acq: 02 Jun 2020 17:25

Tgt Ion: 97 Resp: 944694
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.8
61 45.7 37.4 56.0





#31

Carbon tetrachloride

Concen: 212.834 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :

MSVOA_V

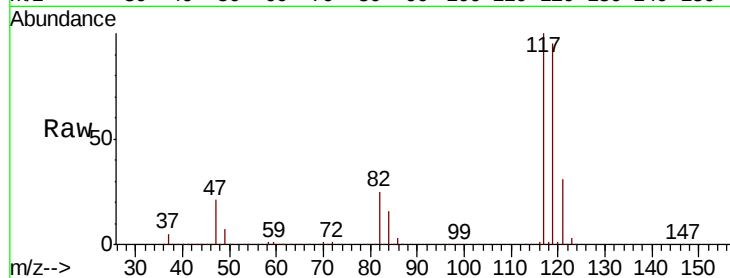
ClientSampleId :

Tot Ion:117 Resp: 819917

Ion Ratio Lower Upper

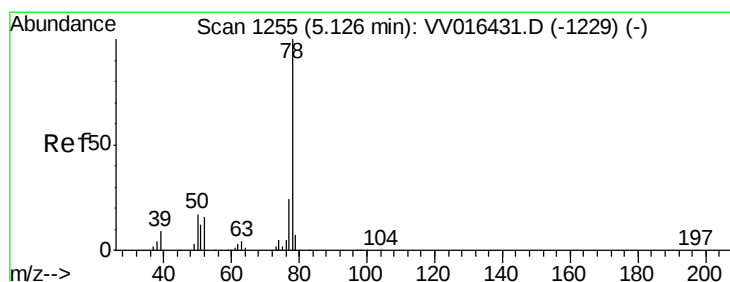
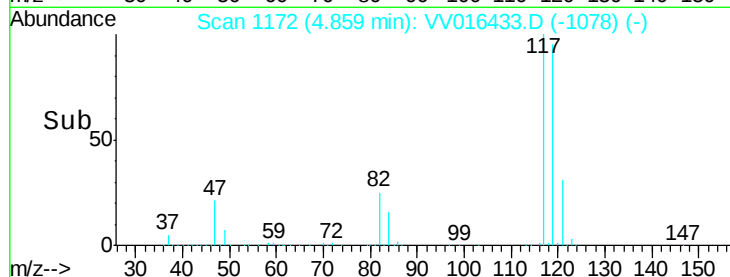
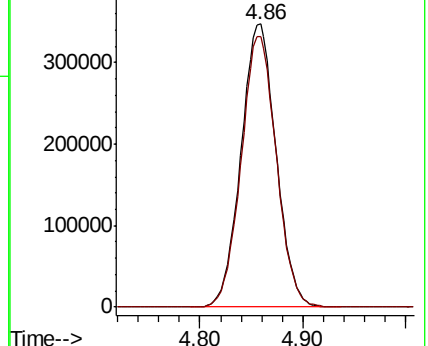
117 100

119 95.9 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: 212.696 ug/L

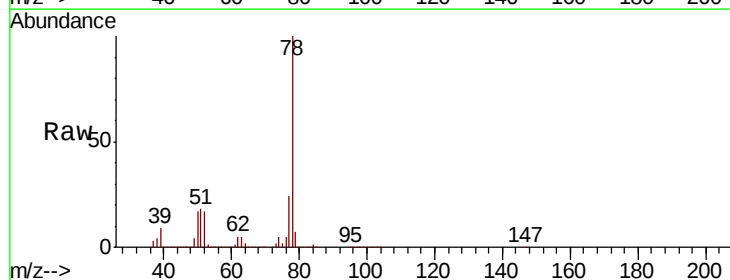
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

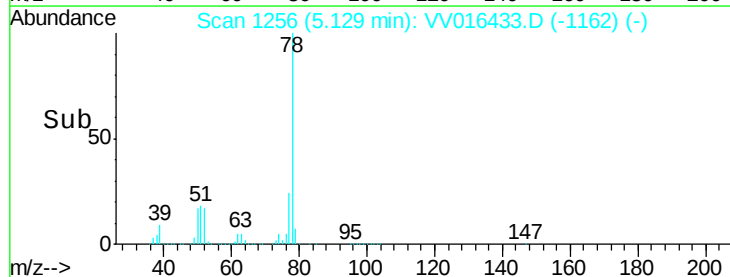
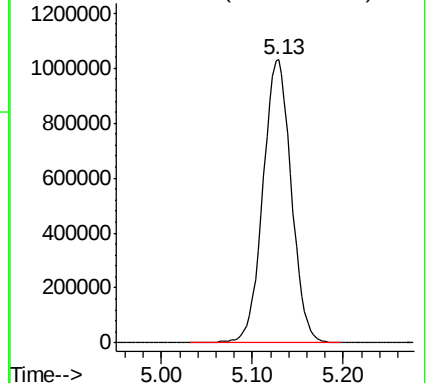
Lab File: VV016433.D

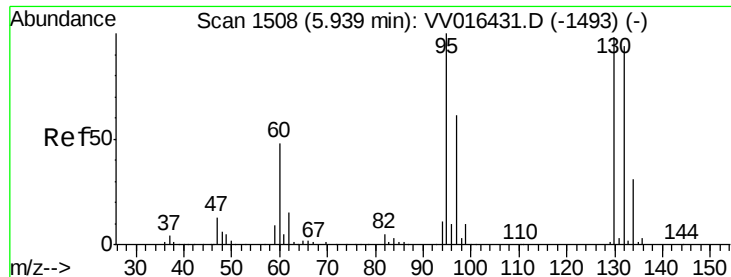
Acq: 02 Jun 2020 17:25

Tgt Ion: 78 Resp: 2227496



Abundance Ion 78.00 (77.70 to 78.70): VV0

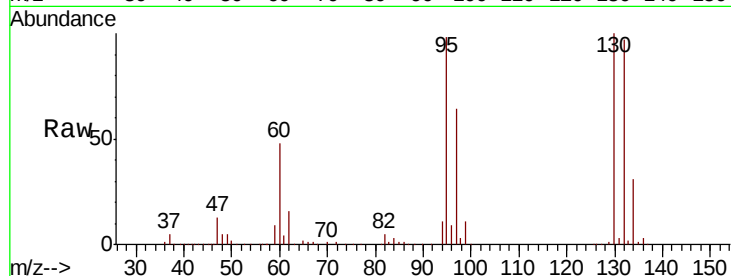




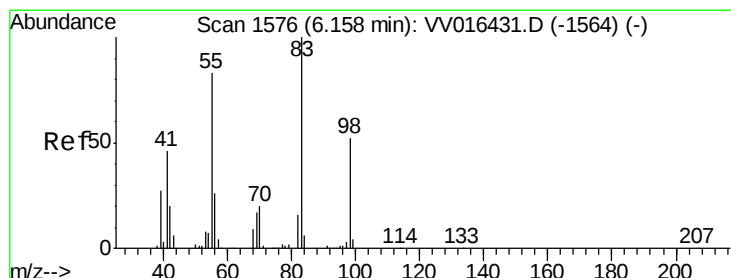
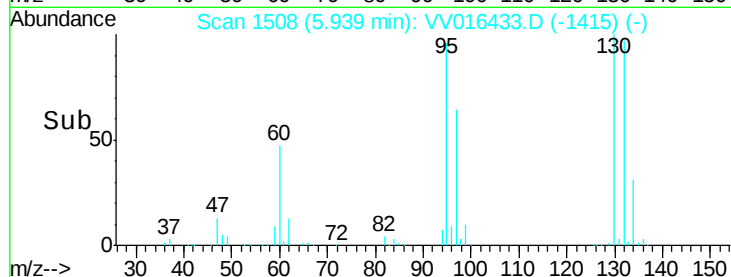
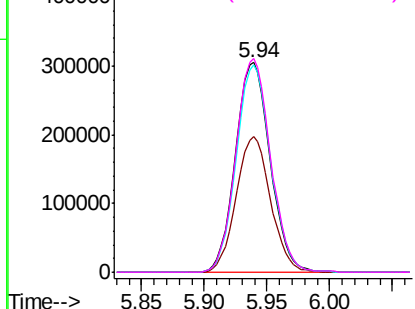
#34
 Trichloroethene
 Concen: 217.445 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV016433.D
 Acq: 02 Jun 2020 17:25

Instrument :
 MSVOA_V
 ClientSampleID :

Tot Ion: 95 Resp: 587333
 Ion Ratio Lower Upper
 95 100
 97 64.9 42.8 79.6
 132 98.9 65.6 121.8
 130 101.8 69.0 128.1

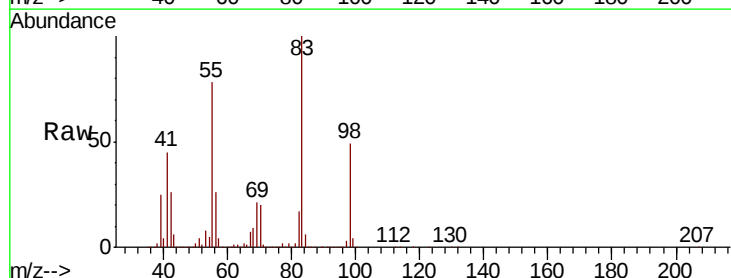


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

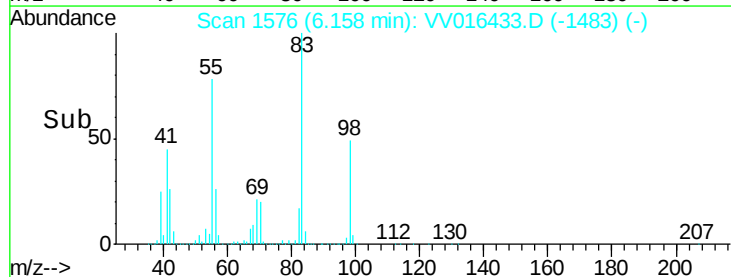
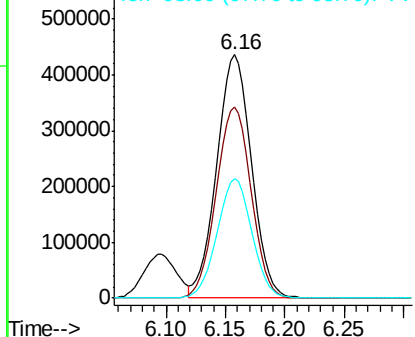


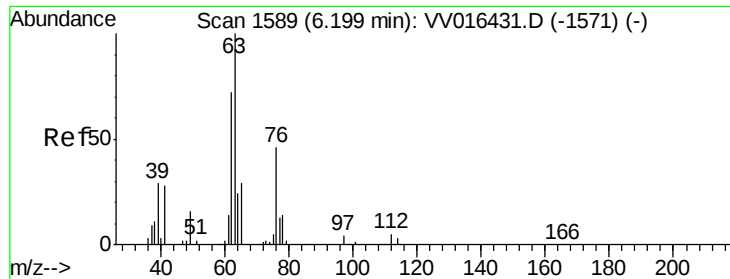
#35
 Methylcyclohexane
 Concen: 212.810 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VV016433.D
 Acq: 02 Jun 2020 17:25

Tgt Ion: 83 Resp: 884705
 Ion Ratio Lower Upper
 83 100
 55 78.7 63.4 95.0
 98 49.0 39.4 59.0



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

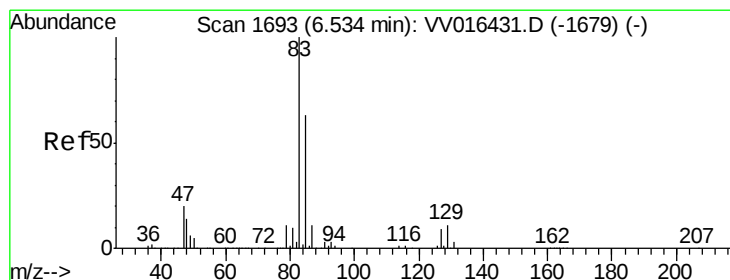
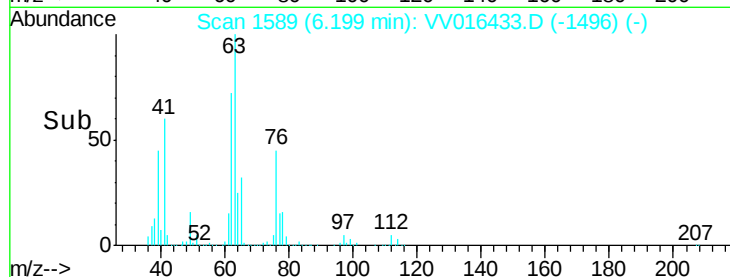
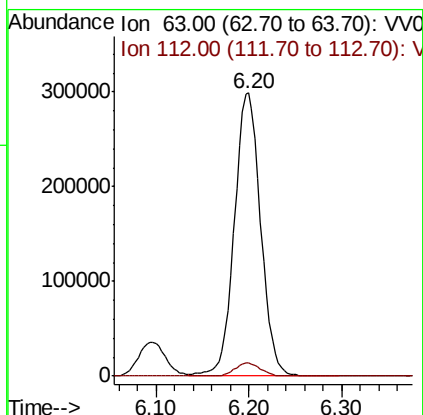
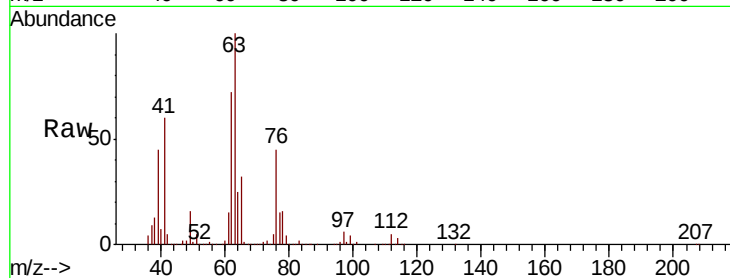




#37
 1,2-Dichloropropane
 Concen: 208.982 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV016433.D
 Acq: 02 Jun 2020 17:25

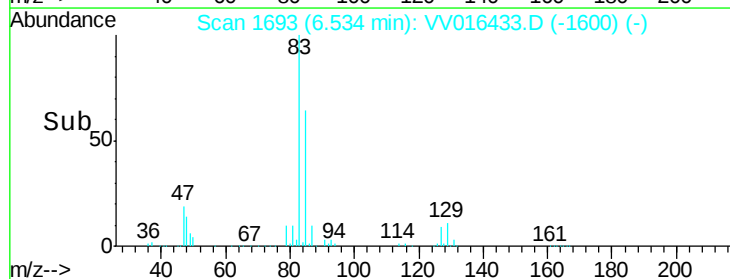
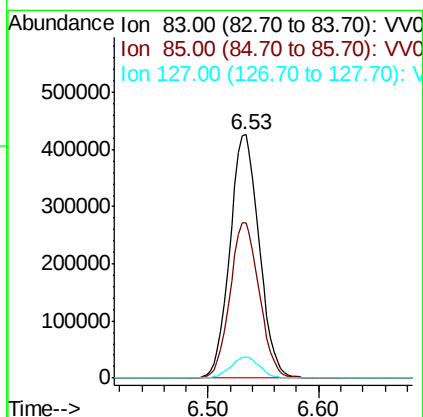
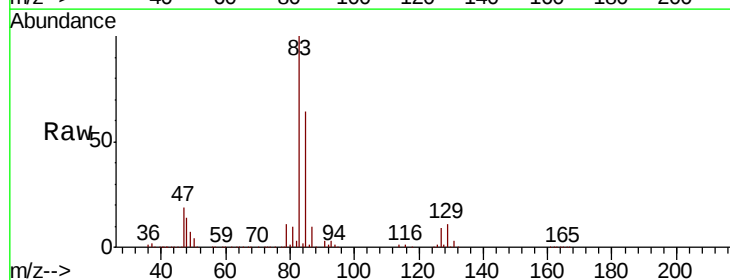
Instrument :
 MSVOA_V
 ClientSampleId :

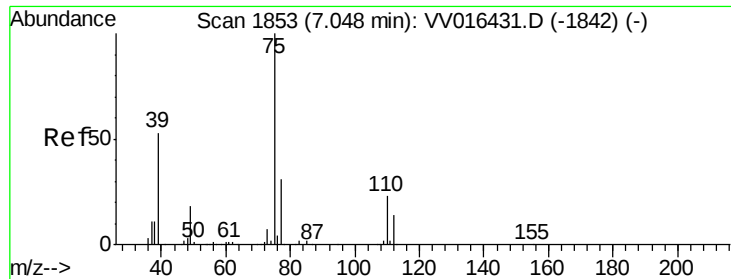
Tot Ion: 63 Resp: 585551
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#38
 Bromodichloromethane
 Concen: 209.657 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV016433.D
 Acq: 02 Jun 2020 17:25

Tgt Ion: 83 Resp: 784623
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.4 82.5
 127 8.7 7.1 10.7

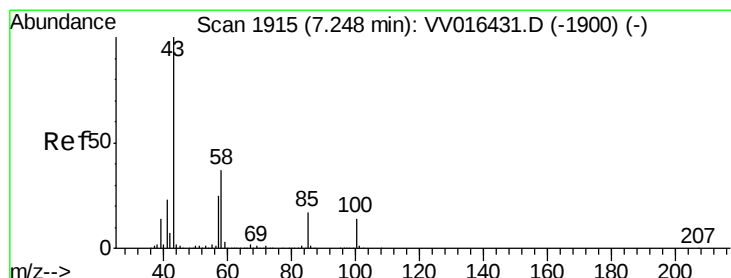
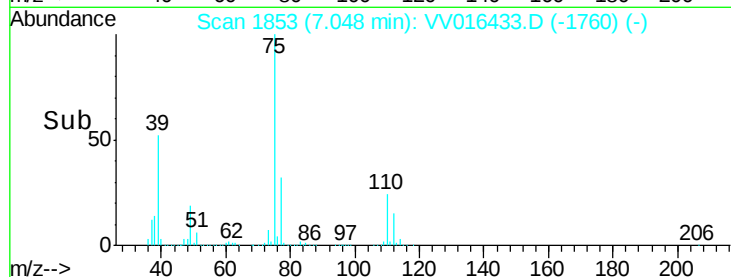
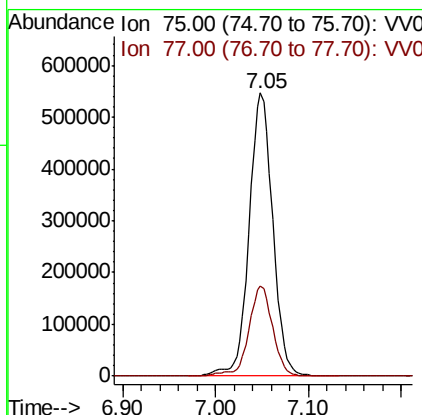
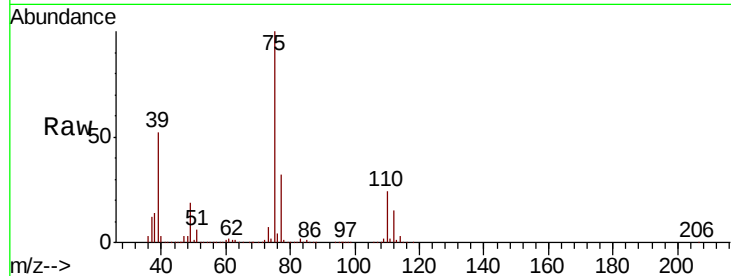




#39
 cis-1,3-Dichloropropene
 Concen: 229.214 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016433.D
 Acq: 02 Jun 2020 17:25

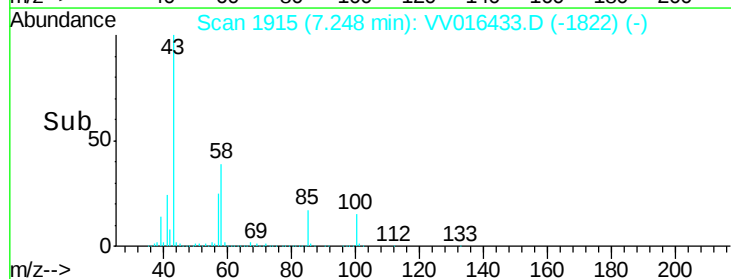
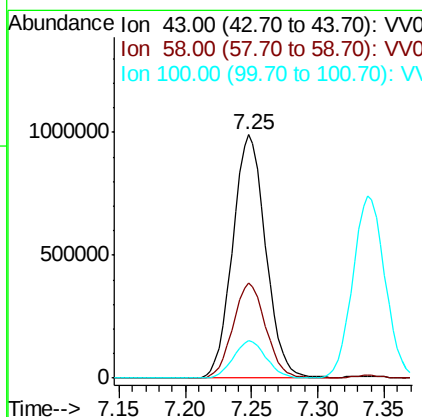
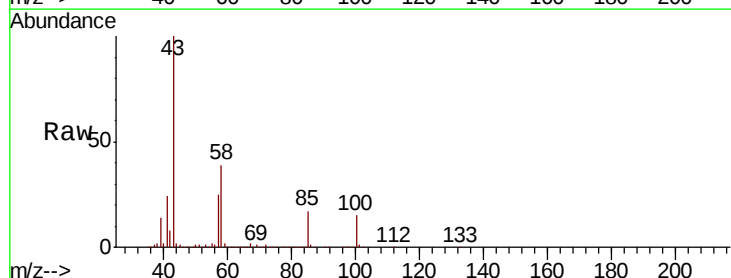
Instrument :
 MSVOA_V
 ClientSampled :

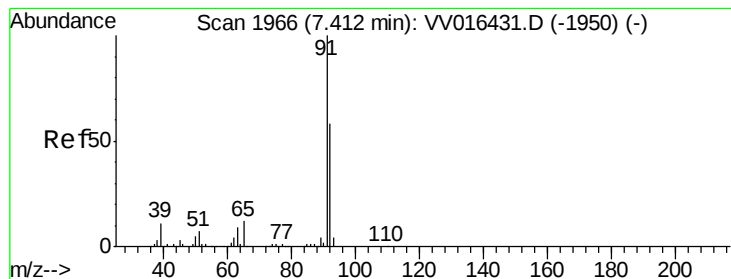
Tot Ion: 75 Resp: 966157
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 482.034 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV016433.D
 Acq: 02 Jun 2020 17:25

Tgt Ion: 43 Resp: 1713471
 Ion Ratio Lower Upper
 43 100
 58 38.8 29.9 44.9
 100 15.3 11.9 17.9





#42

Toluene

Concen: 211.623 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :

MSVOA_V

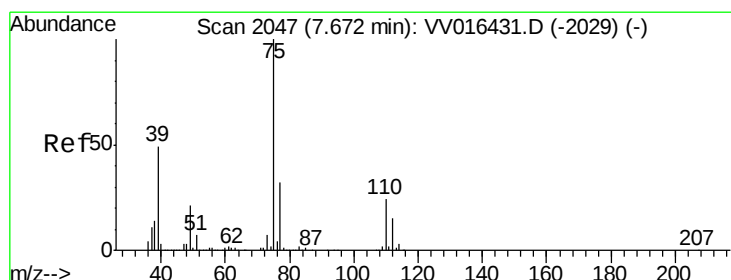
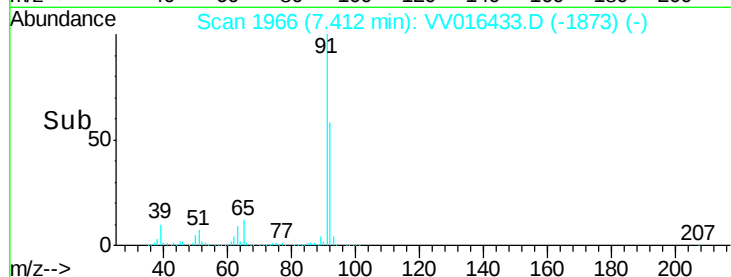
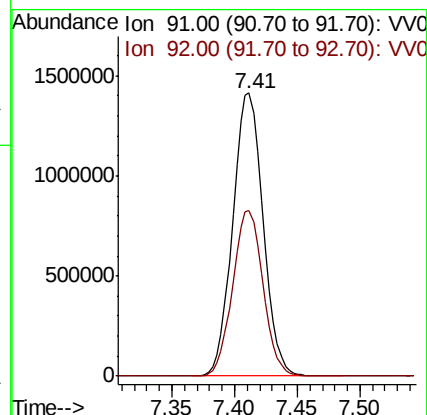
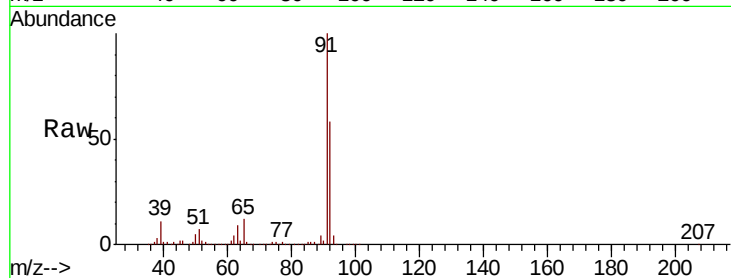
ClientSampleId :

Tot Ion: 91 Resp: 2370695

Ion Ratio Lower Upper

91 100

92 58.5 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 223.313 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016433.D

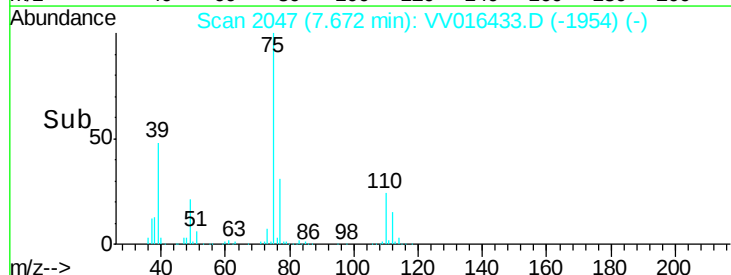
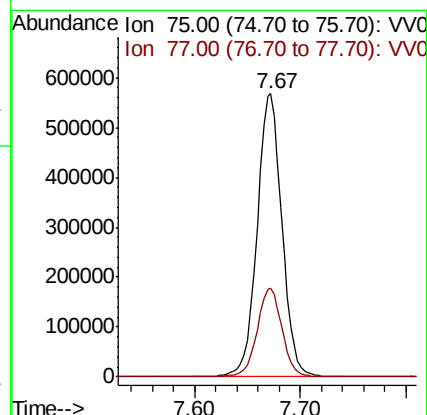
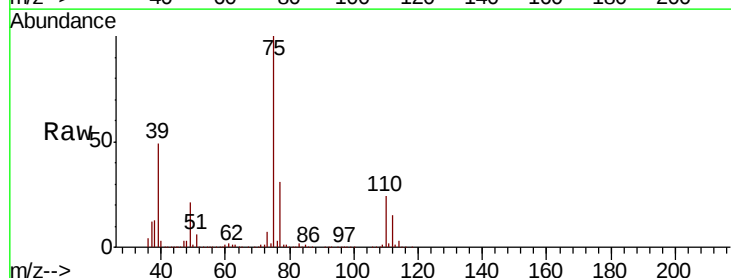
Acq: 02 Jun 2020 17:25

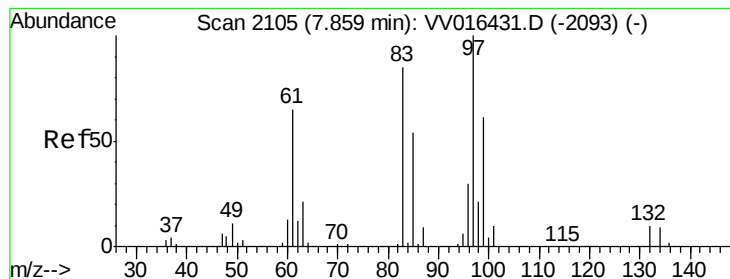
Tgt Ion: 75 Resp: 934360

Ion Ratio Lower Upper

75 100

77 31.2 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 211.752 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 552393

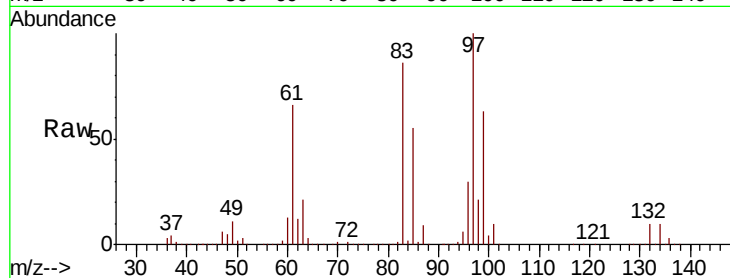
Ion Ratio Lower Upper

97 100

99 63.0 42.9 79.7

83 85.7 59.3 110.1

85 55.3 37.5 69.7



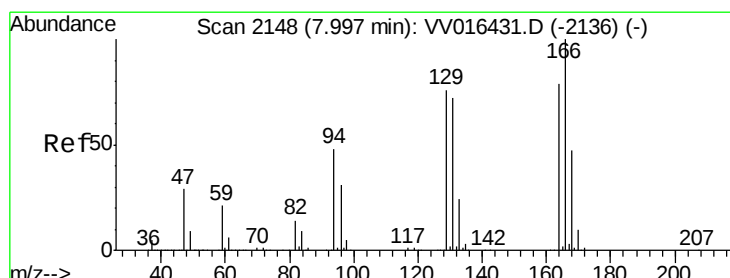
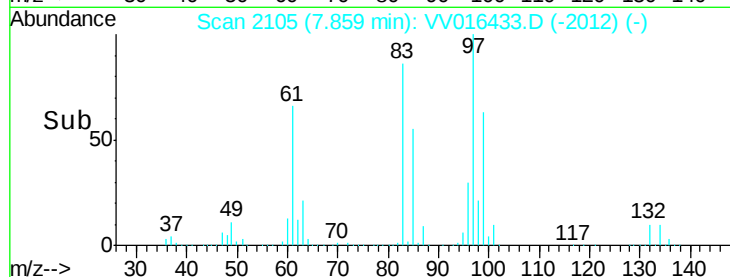
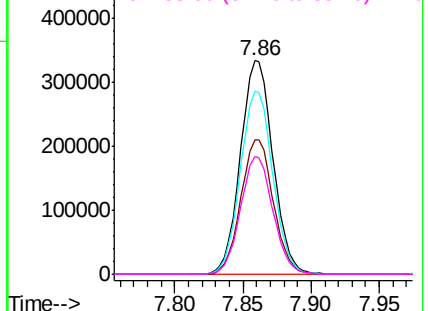
Abundance

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: 224.121 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Tgt Ion: 164 Resp: 466614

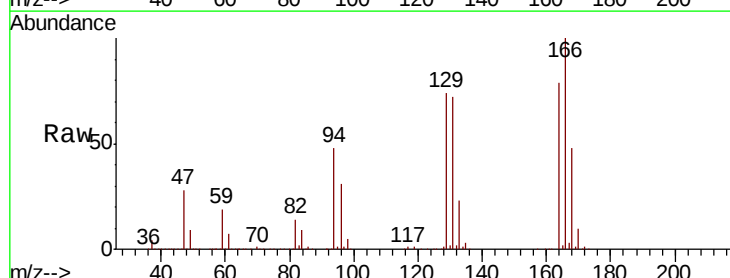
Ion Ratio Lower Upper

164 100

129 93.2 67.7 125.7

131 90.2 63.8 118.6

166 125.8 88.7 164.7



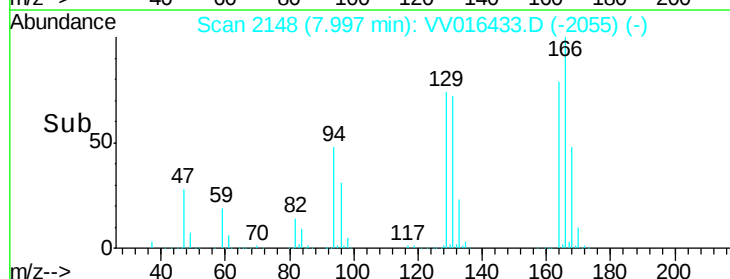
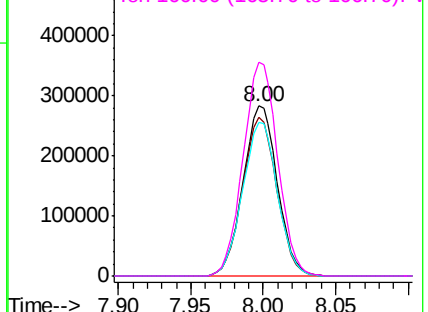
Abundance

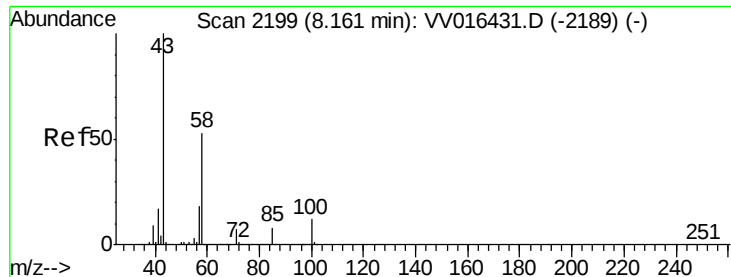
Ion 164.00 (163.70 to 164.70): V

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

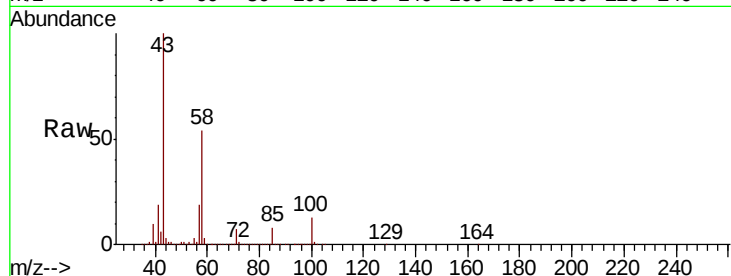




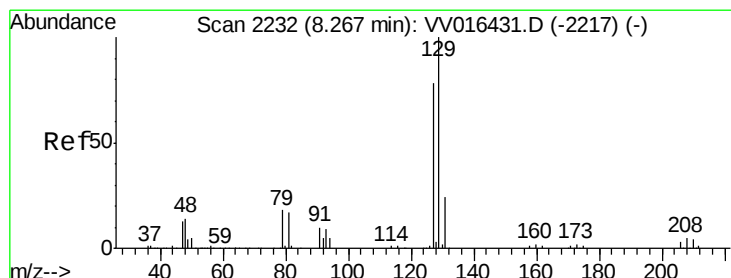
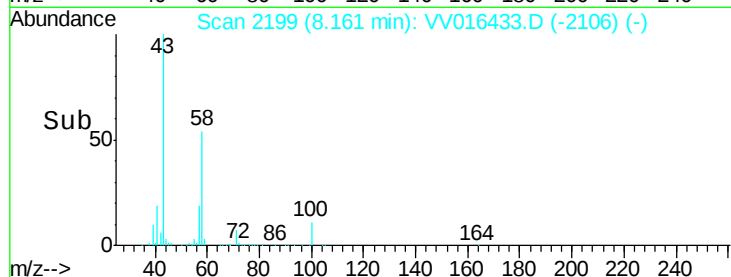
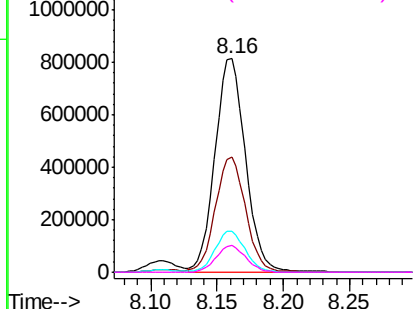
#48
2-Hexanone
Concen: 480.243 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV016433.D
Acq: 02 Jun 2020 17:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1293186
Ion Ratio Lower Upper
43 100
58 53.8 42.7 64.1
57 19.2 14.5 21.7
100 12.4 9.4 14.2

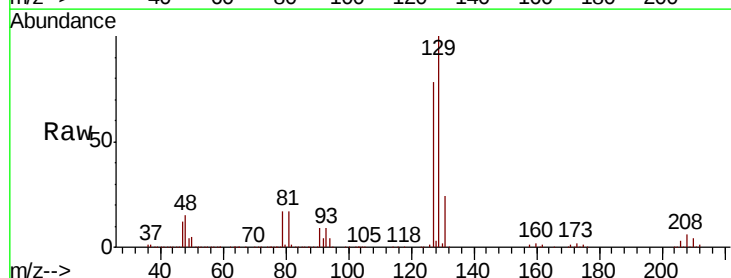


Abundance Ion 43.00 (42.70 to 43.70): VV016433.D (-2199) (-)
Ion 58.00 (57.70 to 58.70): VV016433.D (-2199) (-)
Ion 57.00 (56.70 to 57.70): VV016433.D (-2199) (-)
Ion 100.00 (99.70 to 100.70): VV016433.D (-2199) (-)

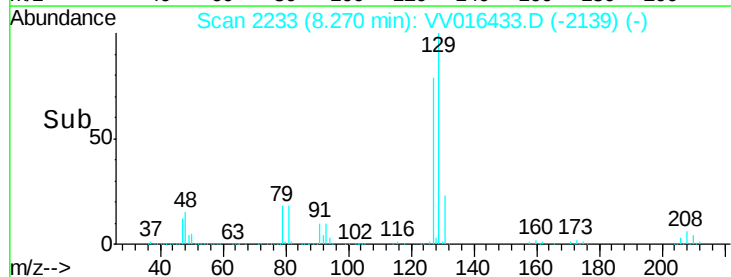
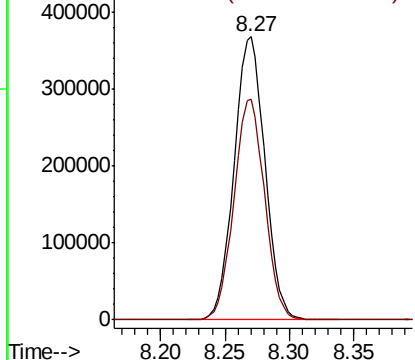


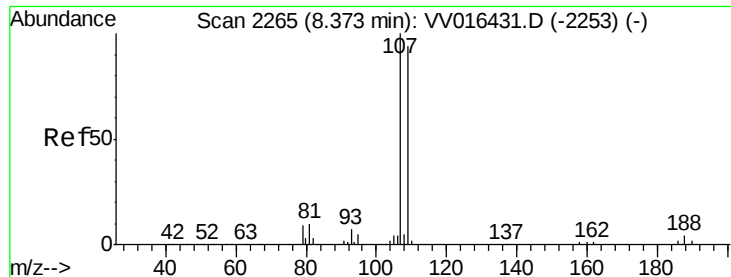
#49
Dibromochloromethane
Concen: 226.029 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016433.D
Acq: 02 Jun 2020 17:25

Tgt Ion: 129 Resp: 612160
Ion Ratio Lower Upper
129 100
127 77.9 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VV016433.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VV016433.D (-2232) (-)

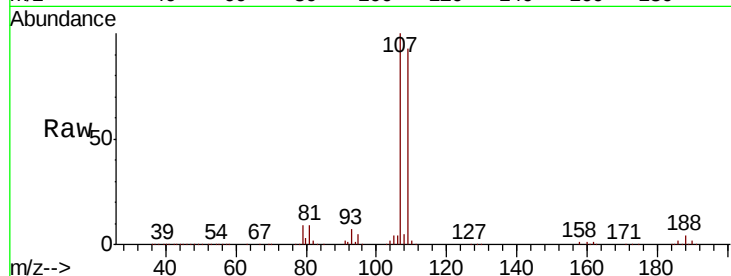




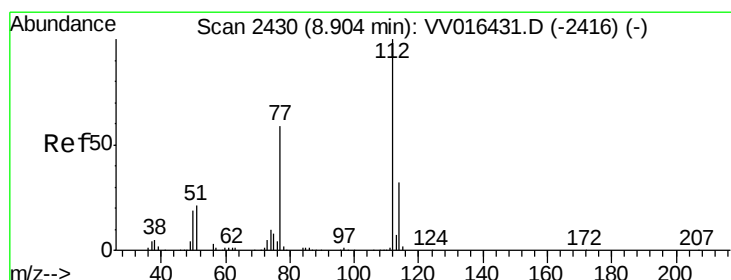
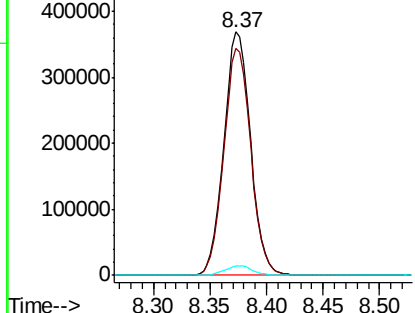
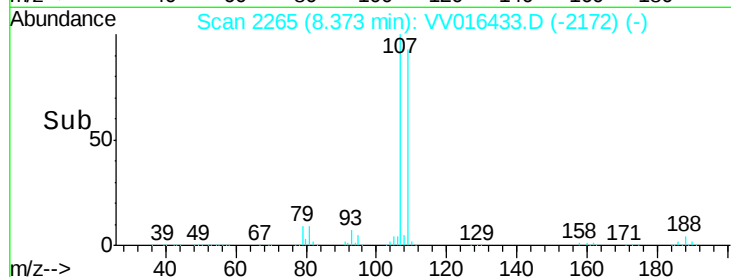
#50
1,2-Dibromoethane
Concen: 223.683 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV016433.D
Acq: 02 Jun 2020 17:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.9	122.3
188	3.7	2.8	4.2

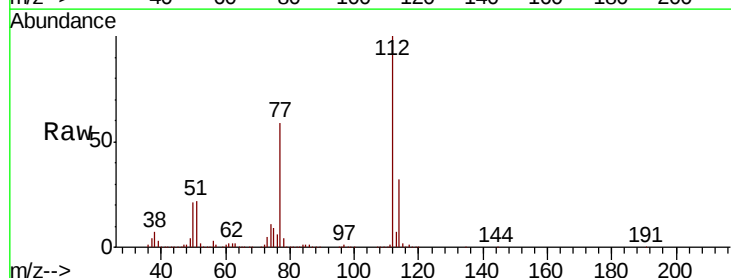


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

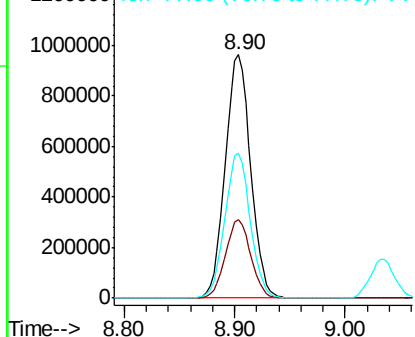
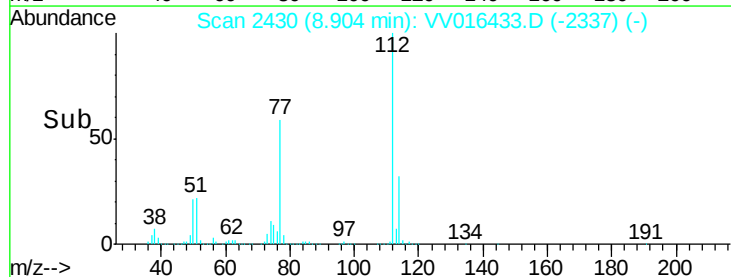


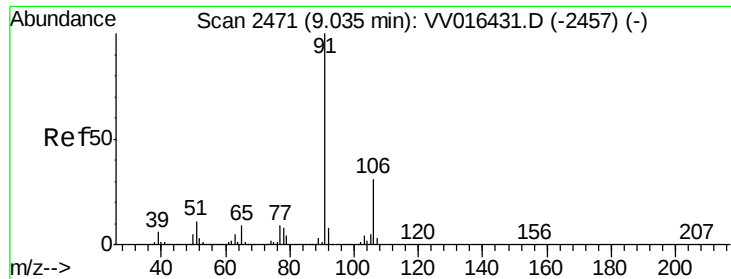
#51
Chlorobenzene
Concen: 211.380 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016433.D
Acq: 02 Jun 2020 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.1
77	59.5	47.4	71.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 212.440 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

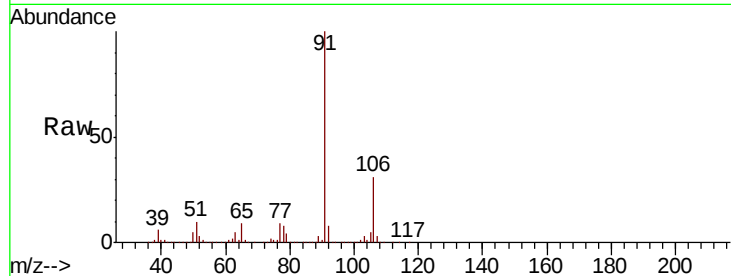
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 2669890

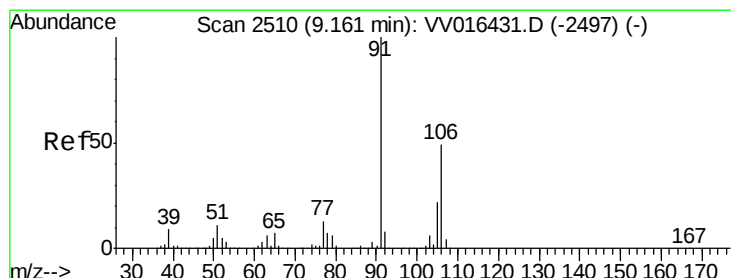
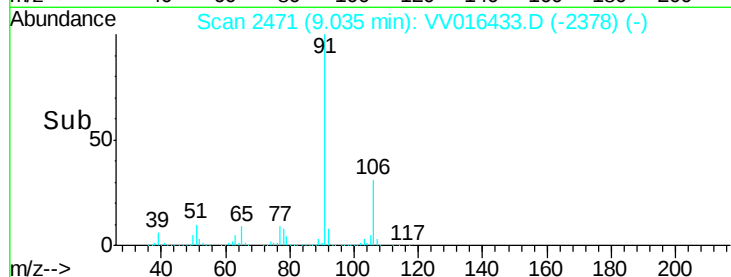
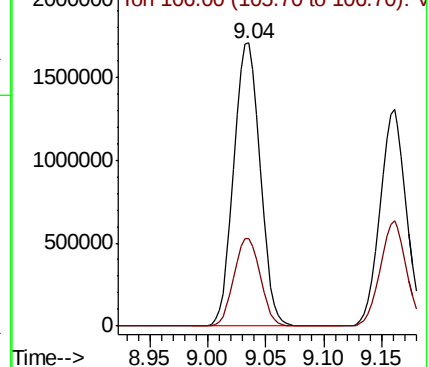
Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV016433.D (-2378) (-)



#53

m,p-Xylene

Concen: 213.293 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016433.D

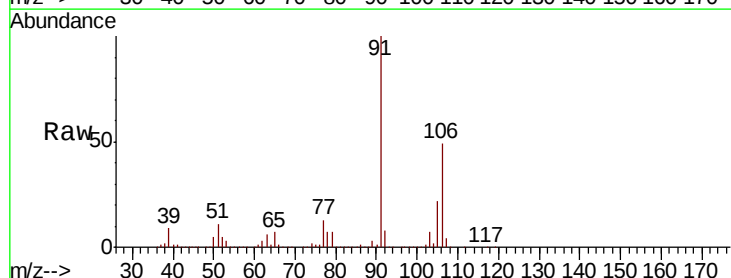
Acq: 02 Jun 2020 17:25

Tgt Ion: 106 Resp: 1000478

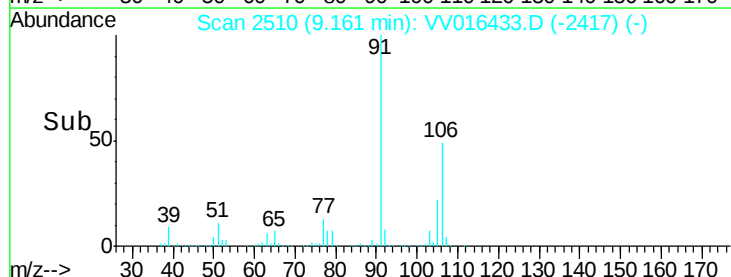
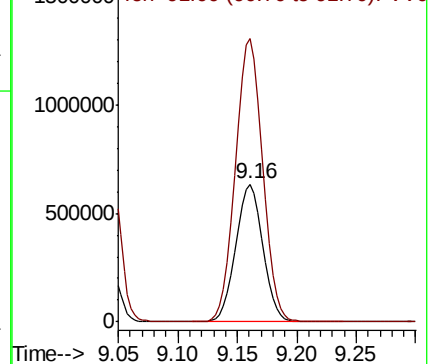
Ion Ratio Lower Upper

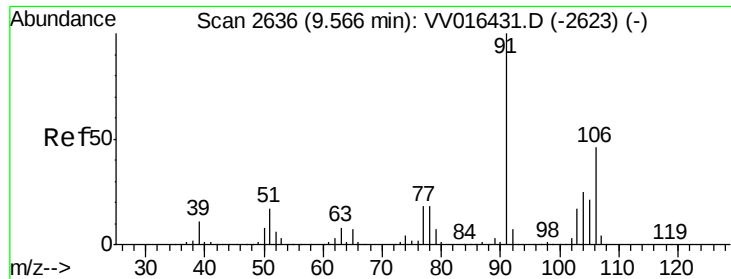
106 100

91 205.8 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): VV016433.D (-2417) (-)





#54

o-xylene

Concen: 212.364 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

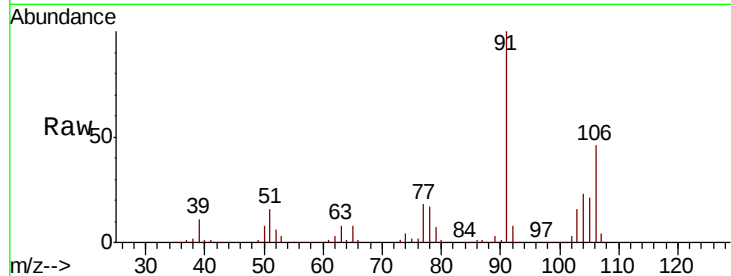
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 970126

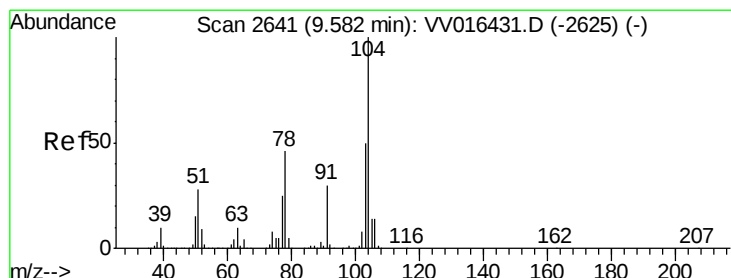
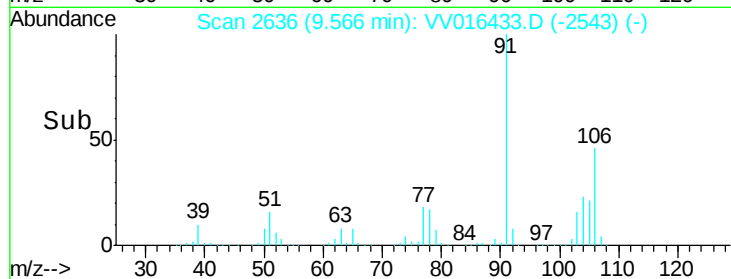
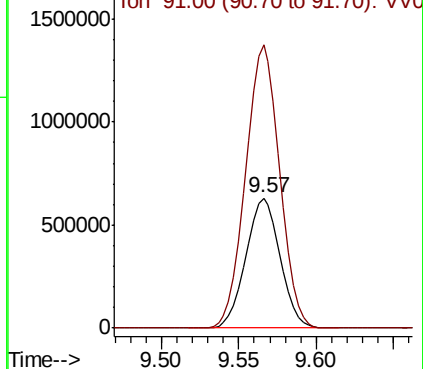
Ion Ratio Lower Upper

106 100

91 217.3 152.5 283.1



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



#55

Styrene

Concen: 217.667 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016433.D

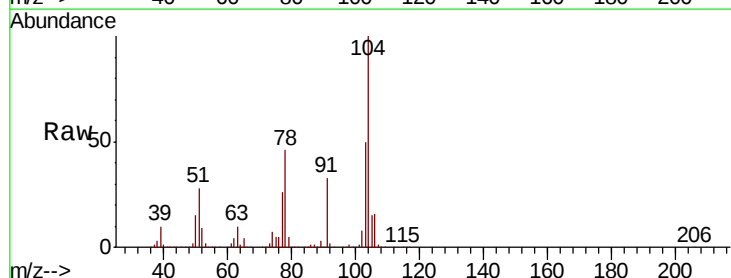
Acq: 02 Jun 2020 17:25

Tgt Ion:104 Resp: 1707371

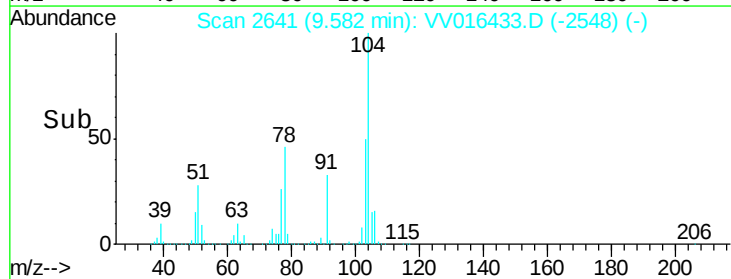
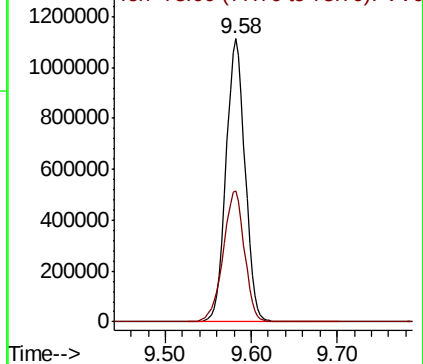
Ion Ratio Lower Upper

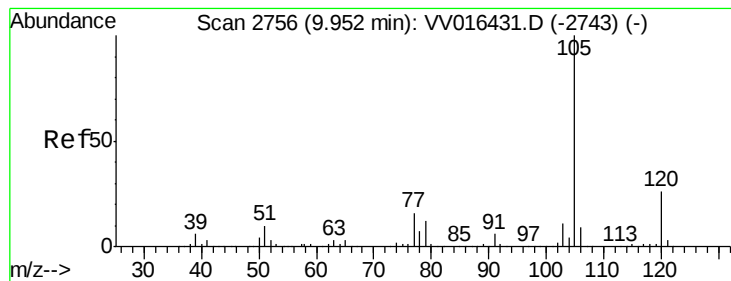
104 100

78 46.4 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: 209.925 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

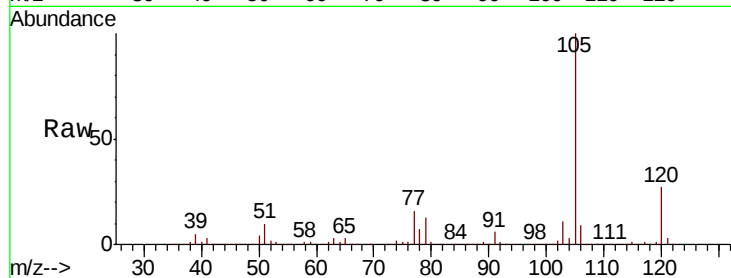
Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:105 Resp: 2531376

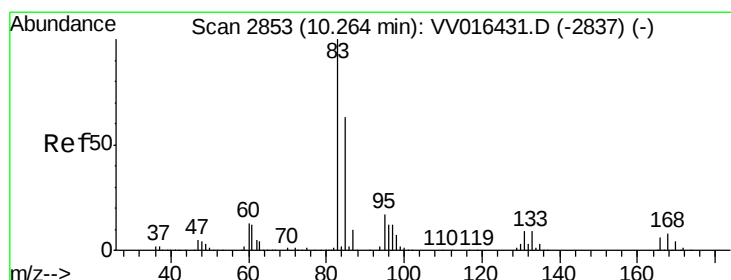
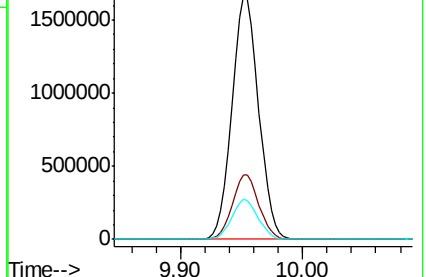
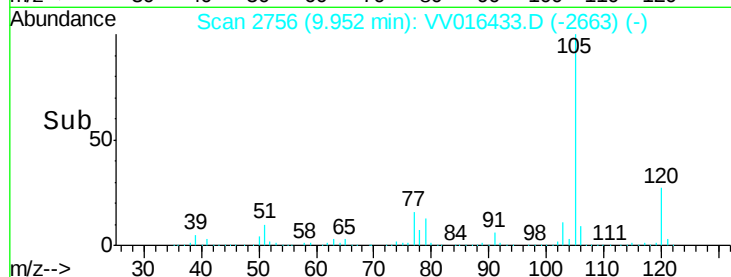
Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.0	31.6
77	16.2	13.0	19.4



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: 218.186 ug/L

RT: 10.26 min Scan# 2853

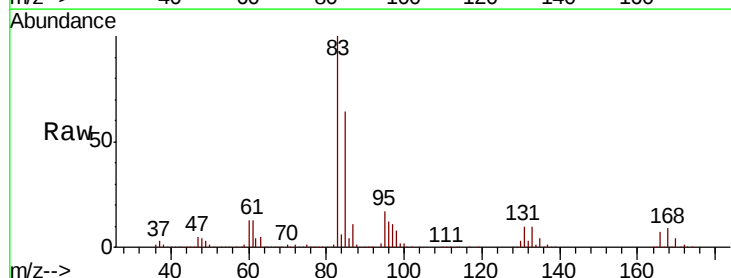
Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Tgt Ion: 83 Resp: 891482

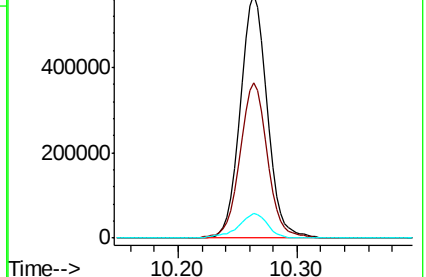
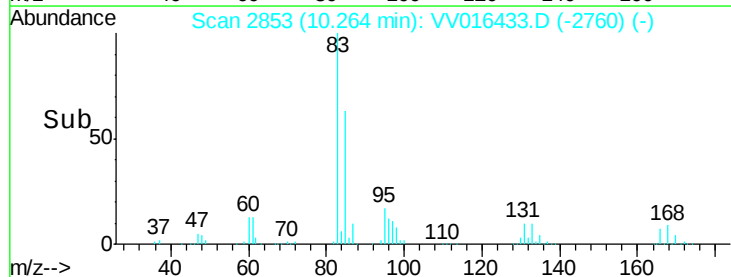
Ion	Ratio	Lower	Upper
83	100		
85	63.6	44.0	81.6
131	10.0	7.6	11.4

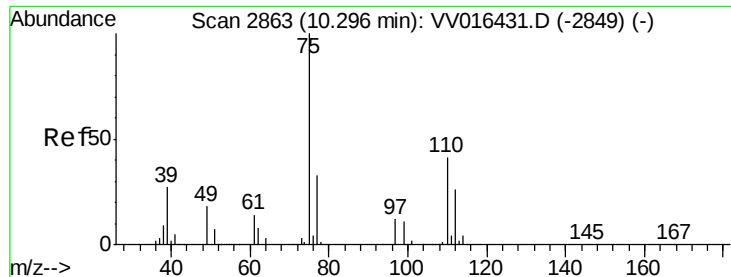


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 214.493 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :

MSVOA_V

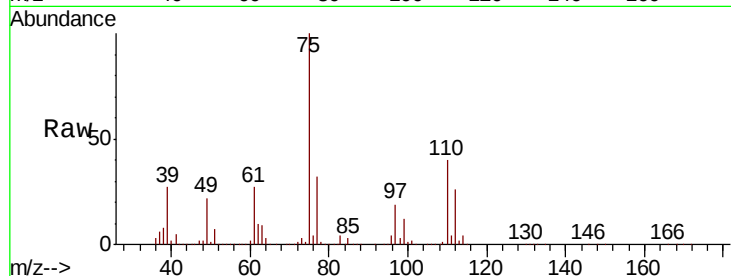
ClientSampleId :

Tot Ion: 75 Resp: 716905

Ion Ratio Lower Upper

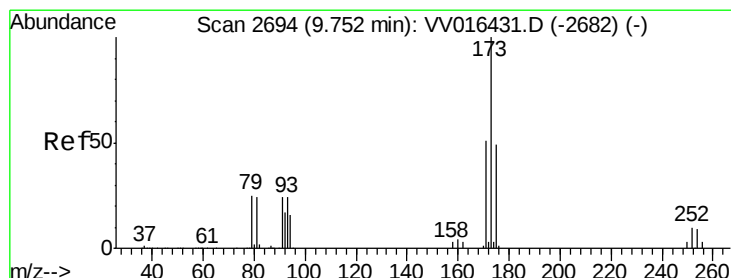
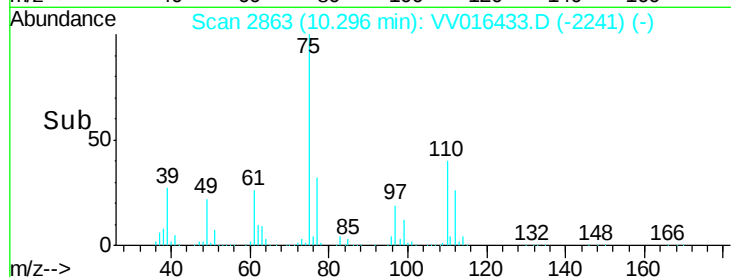
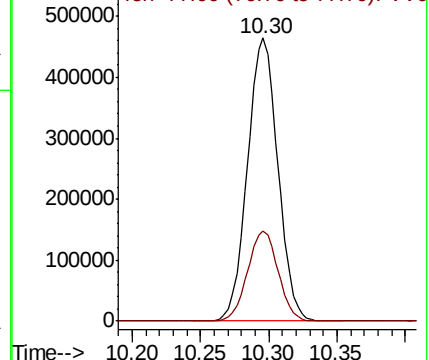
75 100

77 32.0 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: 231.577 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

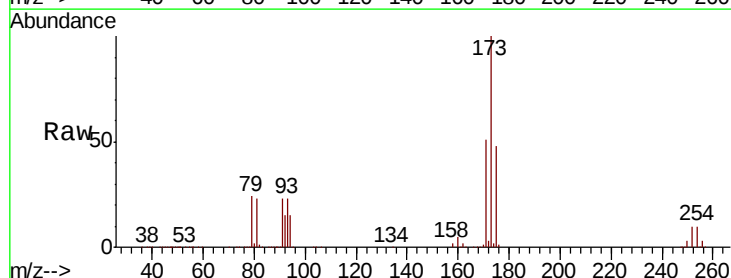
Tgt Ion: 173 Resp: 408554

Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

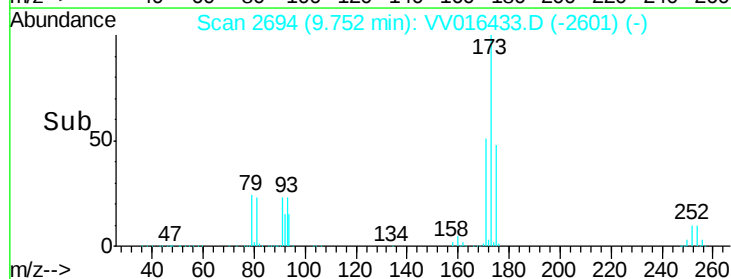
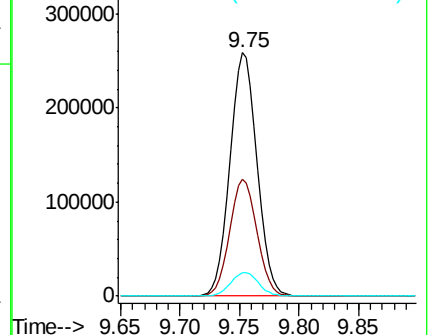
254 9.9 7.9 11.9

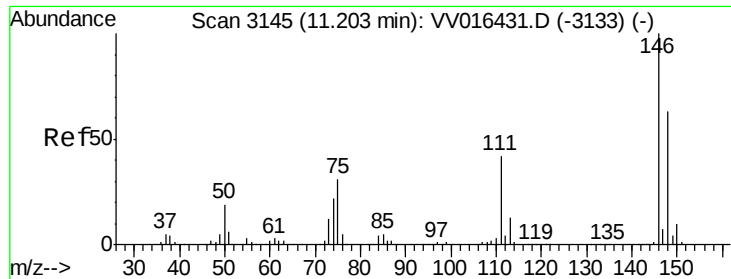


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 206.425 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

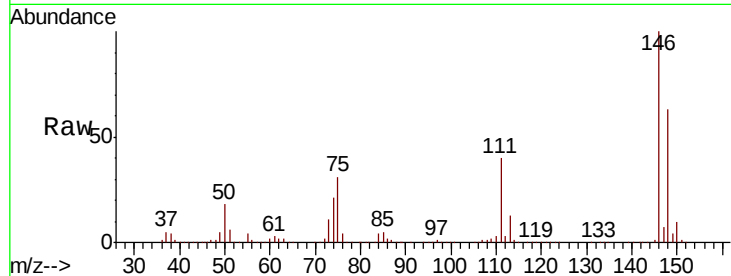
Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146 Resp: 1224498

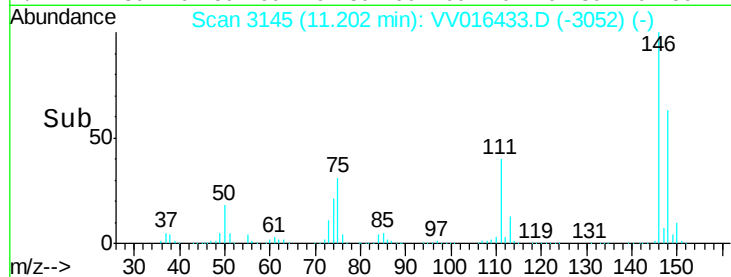
Ion	Ratio	Lower	Upper
146	100		
111	40.0	29.8	55.3
148	63.0	44.0	81.8



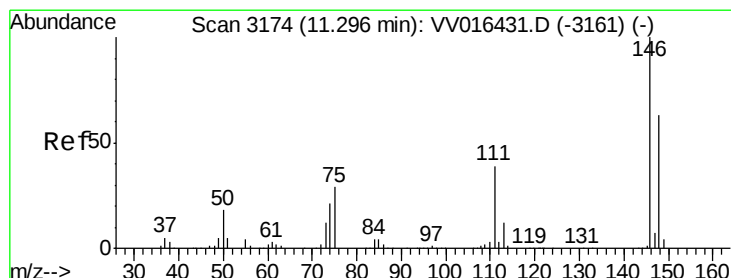
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#63

1,4-Dichlorobenzene

Concen: 205.376 ug/L

RT: 11.30 min Scan# 3174

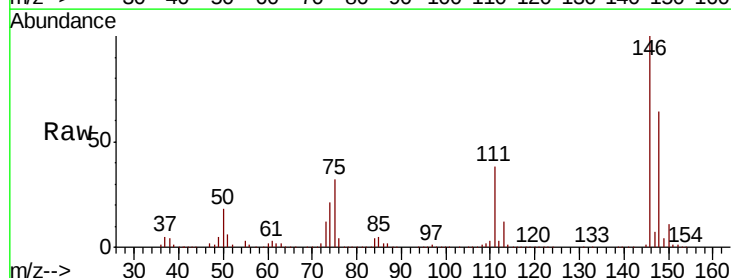
Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Tgt Ion:146 Resp: 1247679

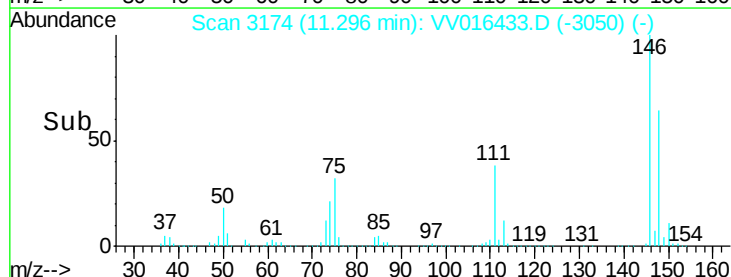
Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.3	50.7
148	63.9	44.5	82.7



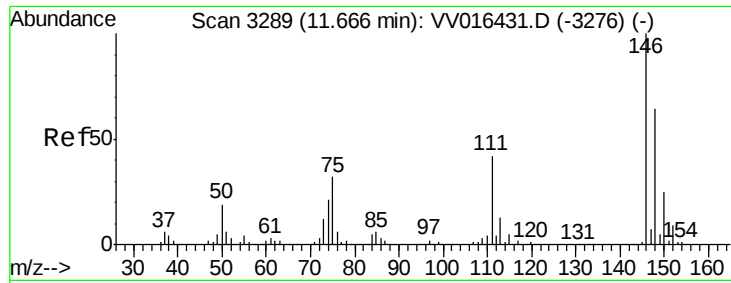
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#65

1,2-Dichlorobenzene

Concen: 204.054 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

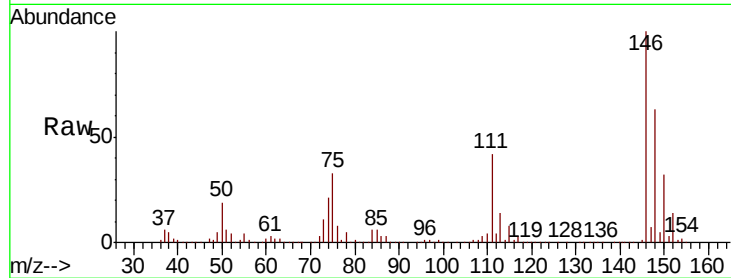
Tot Ion:146 Resp: 1224276

Ion Ratio Lower Upper

146 100

111 42.0 33.6 50.4

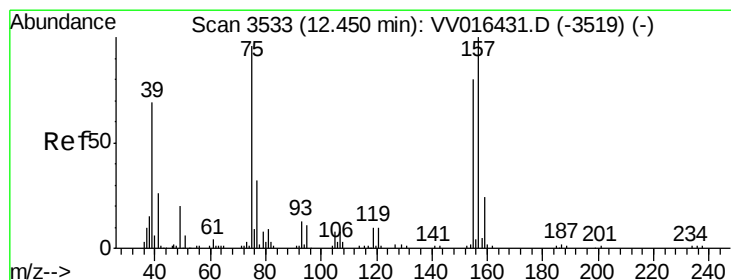
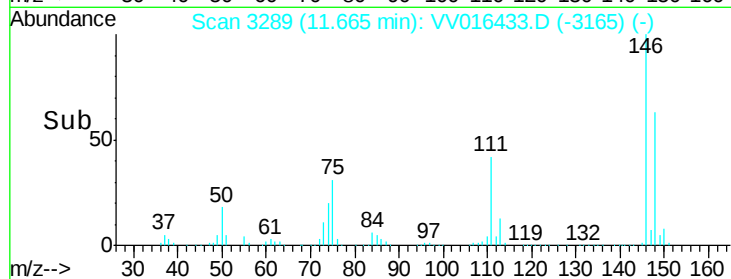
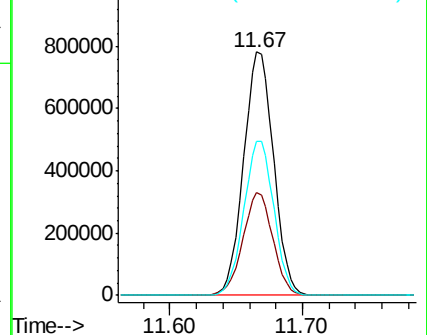
148 63.3 51.5 77.3



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: 221.468 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

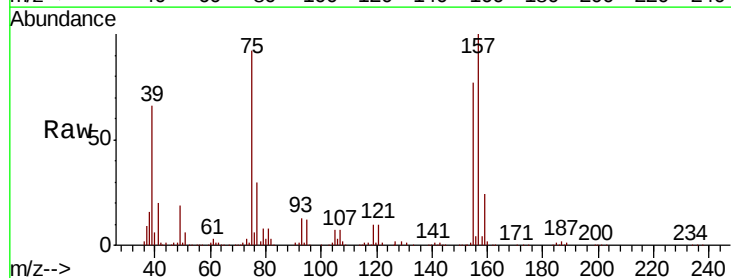
Tgt Ion: 75 Resp: 203226

Ion Ratio Lower Upper

75 100

155 83.6 66.2 99.2

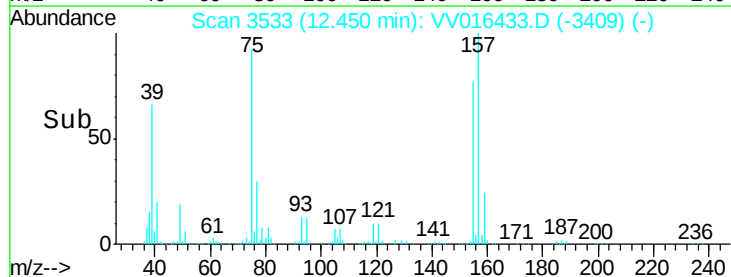
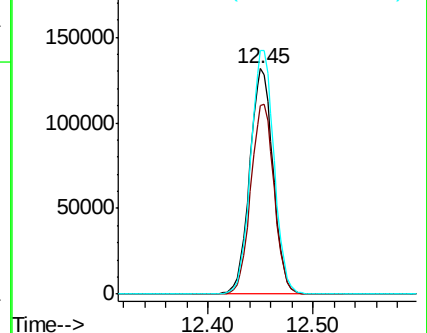
157 108.2 83.0 124.4

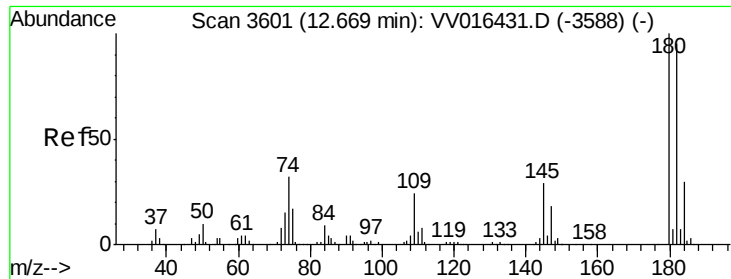


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

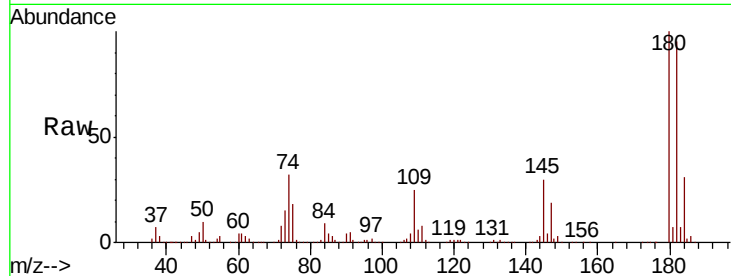




#67
 1,3,5-Trichlorobenzene
 Concen: 209.540 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016433.D
 Acq: 02 Jun 2020 17:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	30.5	24.4	36.6
145	30.0	24.2	36.2

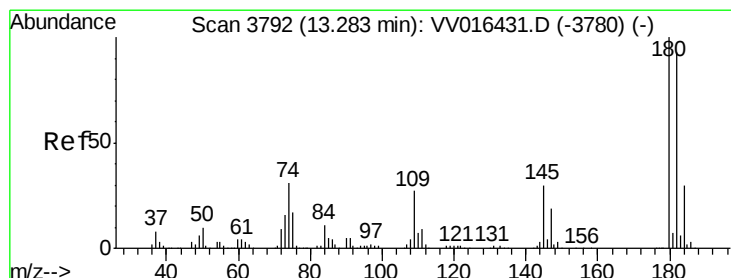
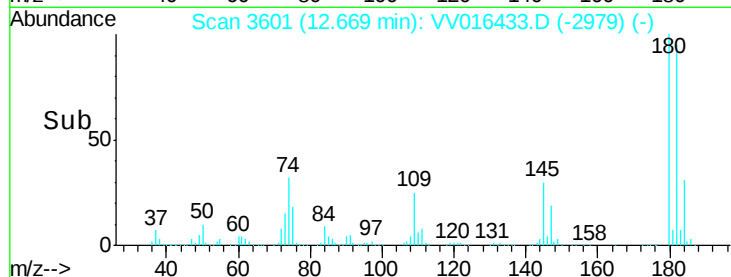
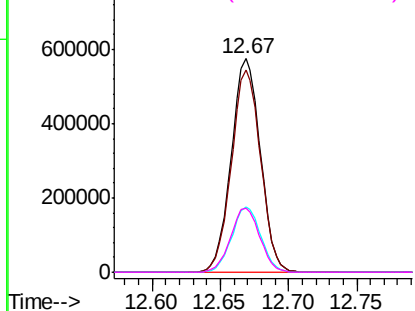


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

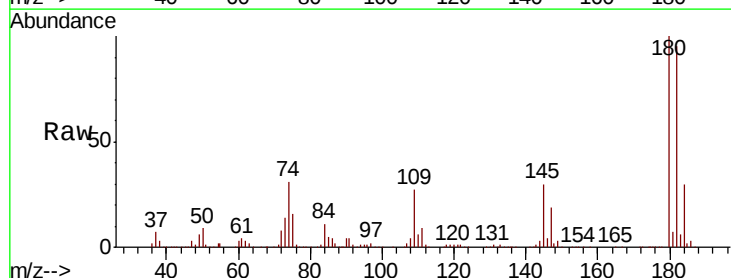
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 220.247 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016433.D
 Acq: 02 Jun 2020 17:25

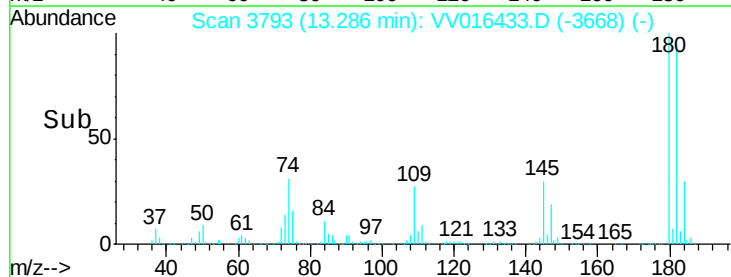
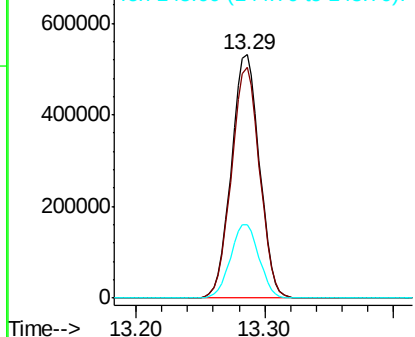
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	74.6	111.8
145	30.7	24.5	36.7

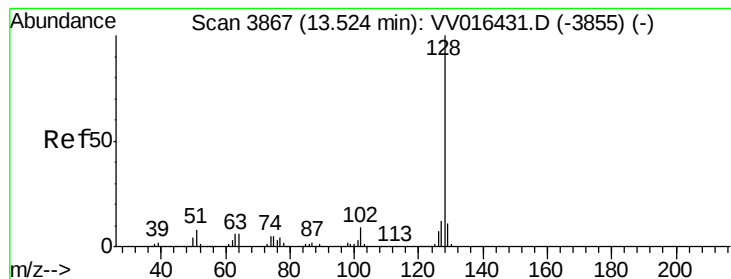


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 234.382 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

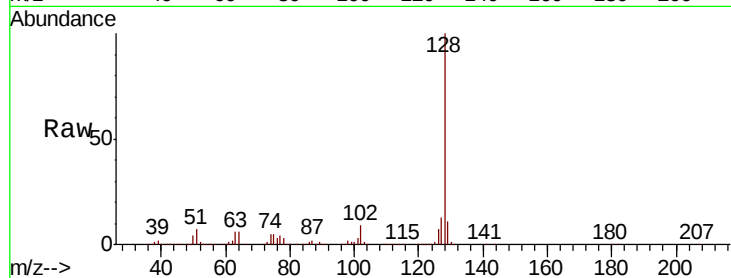
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 2488436

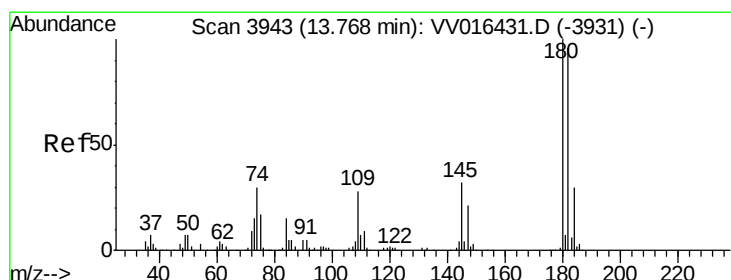
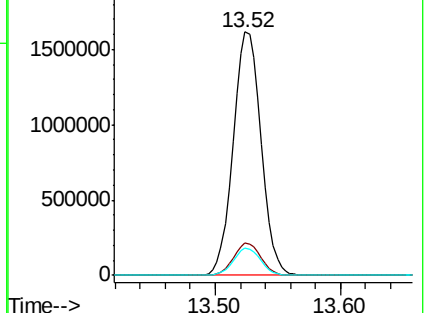
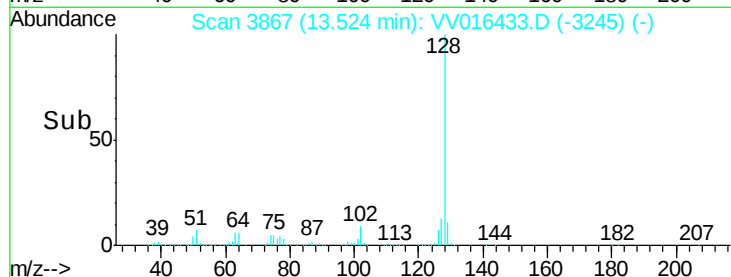
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.9	8.7	13.1



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: 204.869 ug/L

RT: 13.77 min Scan# 3943

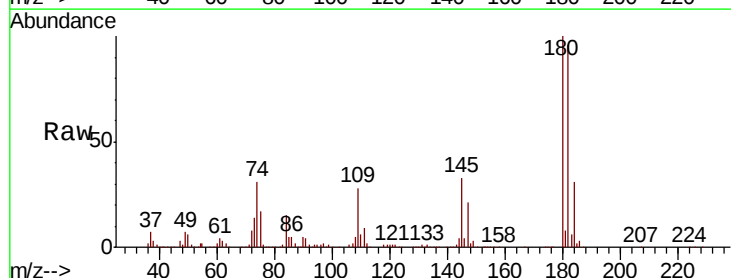
Delta R.T. -0.00 min

Lab File: VV016433.D

Acq: 02 Jun 2020 17:25

Tgt Ion:180 Resp: 747465

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.0	114.0
145	33.0	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

