

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\
 Data File : VV017384.D
 Acq On : 07 Jul 2020 18:13
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 08 01:36:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:30:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	151819	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	149696	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81626	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41385	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.58	69	36827	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.20%
11) 1,1-Dichloroethene-d2	2.13	63	92870	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.20%
20) 2-Butanone-d5	3.94	46	105077	45.25	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.50%
24) Chloroform-d	4.38	84	105383	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.06	65	56840	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	5.07	84	185890	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.10	67	51952	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.34	98	178504	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
45) trans-1,3-Dichloropropene-	7.64	79	23469	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
48) 2-Hexanone-d5	8.11	63	82600	44.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.54%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40733	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	72679	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	56378	4.652	ug/L 98
3) Chloromethane	1.25	50	40422	3.936	ug/L 98
5) Vinyl chloride	1.32	62	46169	4.634	ug/L 98
6) Bromomethane	1.53	94	22716	3.912	ug/L 100
8) Chloroethane	1.60	64	27884	5.065	ug/L 99
9) Trichlorofluoromethane	1.77	101	91912	5.697	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43797	5.447	ug/L 97
12) 1,1-Dichloroethene	2.14	96	38395	5.269	ug/L 92
13) Acetone	2.22	43	62288	53.060	ug/L 64
14) Carbon disulfide	2.31	76	99990	4.580	ug/L 99
15) Methyl Acetate	2.46	43	13037	4.542	ug/L 93
16) Methylene chloride	2.52	84	41066	5.263	ug/L 99
17) Methyl tert-butyl Ether	2.79	73	102139	5.583	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	40431	5.236	ug/L 98
19) 1,1-Dichloroethane	3.21	63	88442	5.098	ug/L 95
21) 2-Butanone	4.04	43	98163	44.359	ug/L 95
22) cis-1,2-Dichloroethene	3.94	96	49172	4.657	ug/L 94

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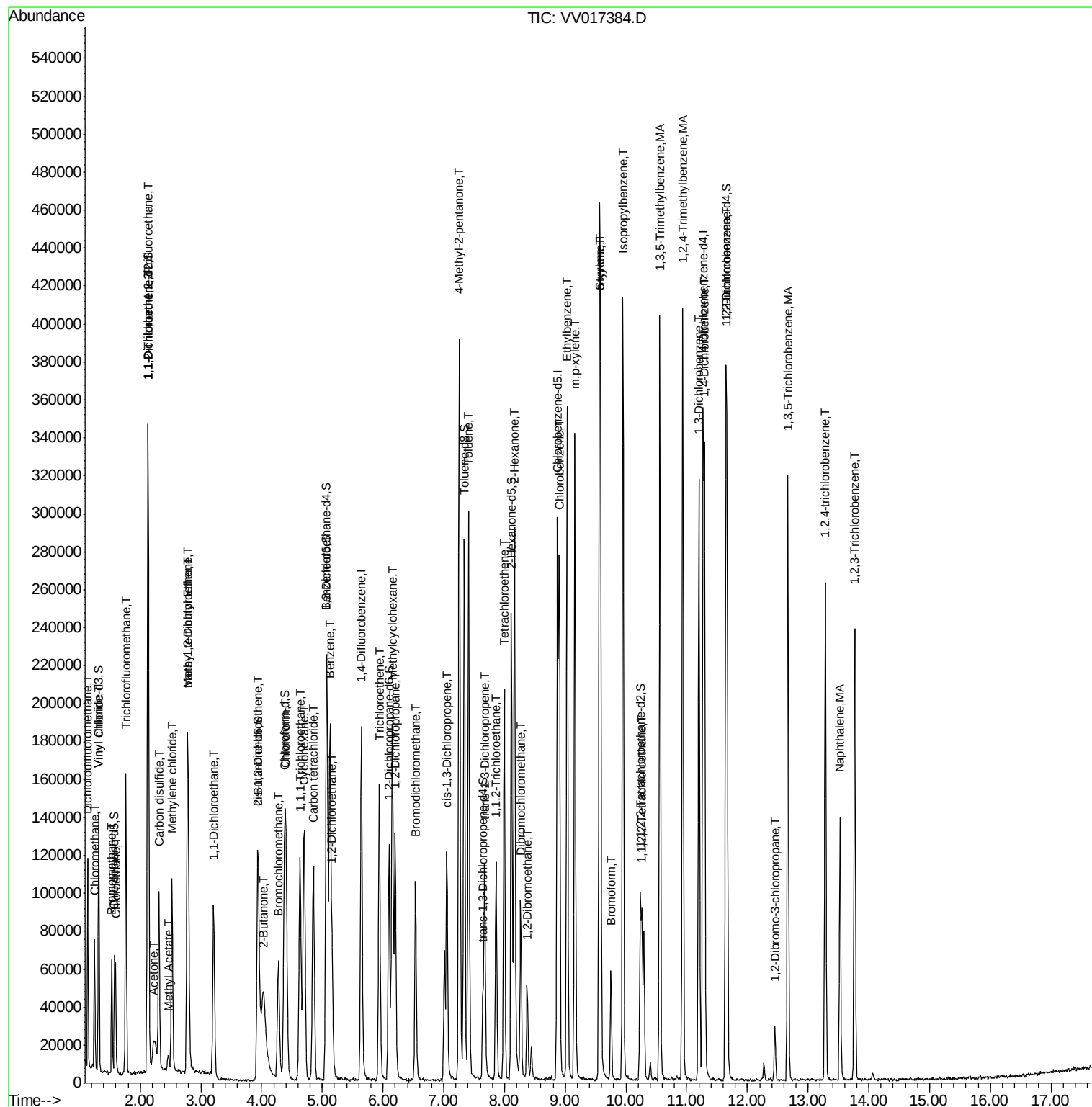
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	22041	4.912	ug/L	93
25) Chloroform	4.41	83	100039	5.279	ug/L	97
27) 1,2-Dichloroethane	5.16	62	64601	5.487	ug/L	98
29) 1,1,1-Trichloroethane	4.64	97	94500	5.269	ug/L	98
30) Cyclohexane	4.70	56	64823	3.798	ug/L	90
31) Carbon tetrachloride	4.85	117	84126	5.198	ug/L	100
33) Benzene	5.13	78	178957	4.565	ug/L	100
34) Trichloroethene	5.94	95	52816	4.601	ug/L	97
35) Methylcyclohexane	6.15	83	75877	4.252	ug/L	96
37) 1,2-Dichloropropane	6.20	63	42683	4.398	ug/L	98
38) Bromodichloromethane	6.53	83	67980	5.157	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	67250	4.664	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	252965	45.147	ug/L	98
42) Toluene	7.41	91	208326	4.571	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	208515	5.116	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	209027	5.036	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	58704	4.707	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	33329	4.842	ug/L	95
49) Tetrachloroethene	8.00	164	43504	4.708	ug/L	99
50) 2-Hexanone	8.16	43	181401	45.492	ug/L	98
51) Dibromochloromethane	8.27	129	45352	5.436	ug/L	100
52) 1,2-Dibromoethane	8.38	107	31955	4.895	ug/L	95
53) Chlorobenzene	8.90	112	139077	4.895	ug/L	99
54) Ethylbenzene	9.03	91	232852	4.786	ug/L	98
55) m,p-xylene	9.16	106	89735	4.703	ug/L	96
56) o-xylene	9.56	106	87443	4.911	ug/L	98
57) Styrene	9.58	104	151745	5.143	ug/L	99
58) Isopropylbenzene	9.95	105	246782	5.036	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	36637	5.146	ug/L	95
62) Bromoform	9.75	173	24675	5.650	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	124487	5.066	ug/L	97
64) 1,4-Dichlorobenzene	11.29	146	120778	4.836	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	110460	4.953	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	6453	5.231	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	95600	4.842	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	77914	4.794	ug/L	99
70) Naphthalene	13.53	128	109467	4.770	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	69715	5.259	ug/L	98

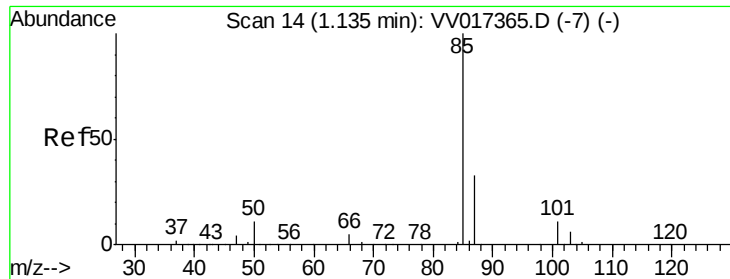
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.652 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

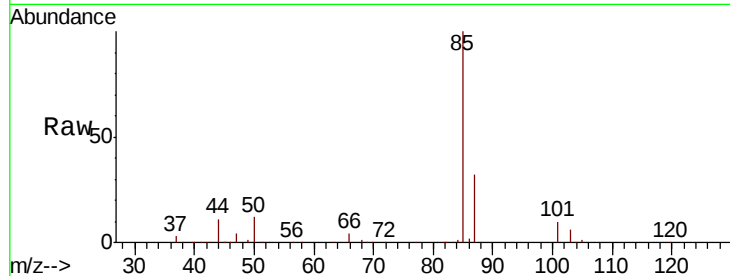
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 56378

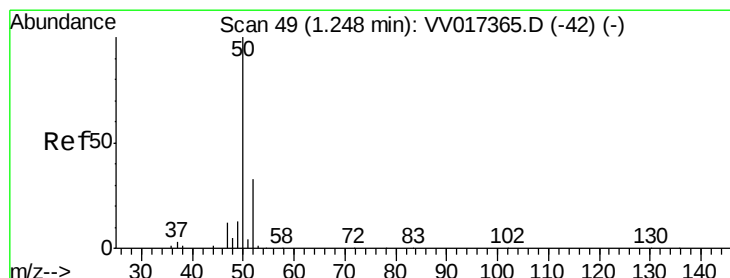
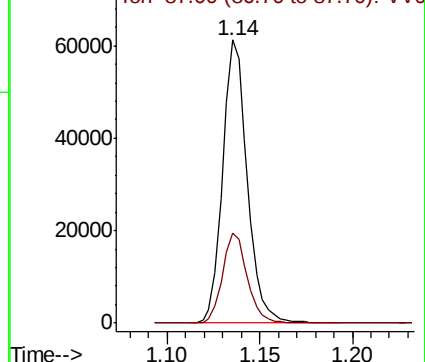
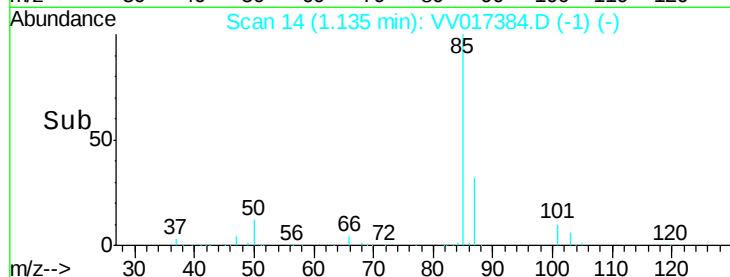
Ion Ratio Lower Upper

85 100

87 32.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017384.D (-1) (-)



#3

Chloromethane

Concen: 3.936 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017384.D

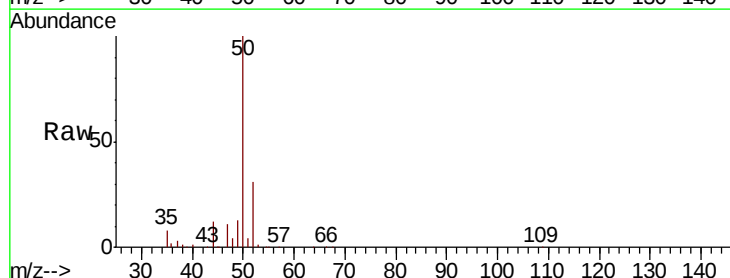
Acq: 07 Jul 2020 18:13

Tgt Ion: 50 Resp: 40422

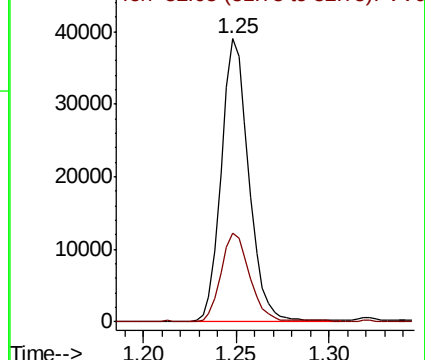
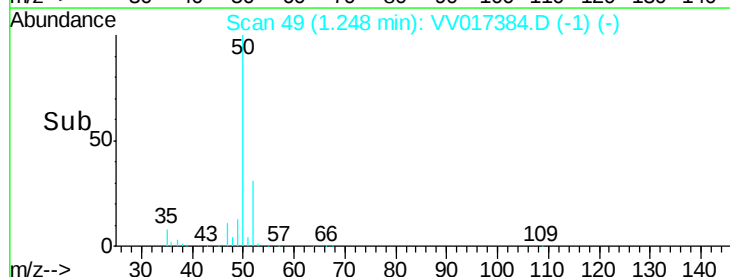
Ion Ratio Lower Upper

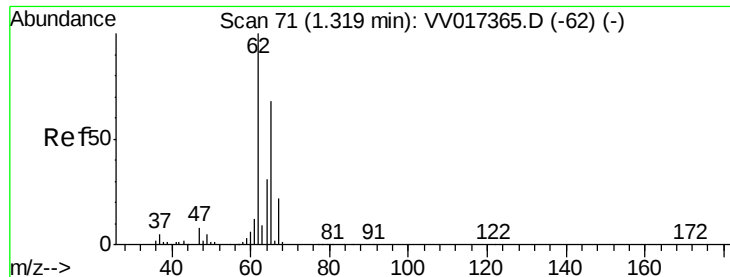
50 100

52 31.2 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017384.D (-1) (-)





#5

Vinyl chloride

Concen: 4.634 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

Instrument :

MSVOA_V

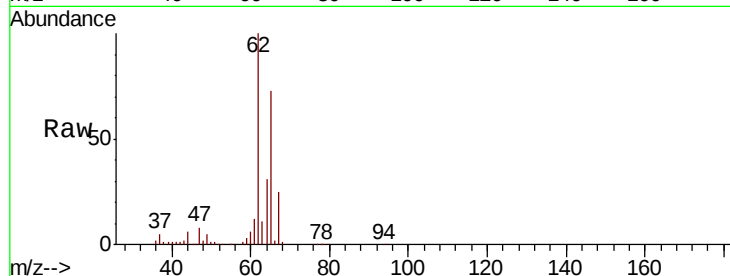
ClientSampleId :

Tot Ion: 62 Resp: 46169

Ion Ratio Lower Upper

62 100

64 31.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

30000

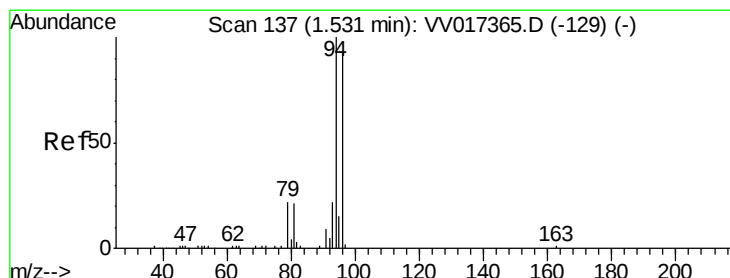
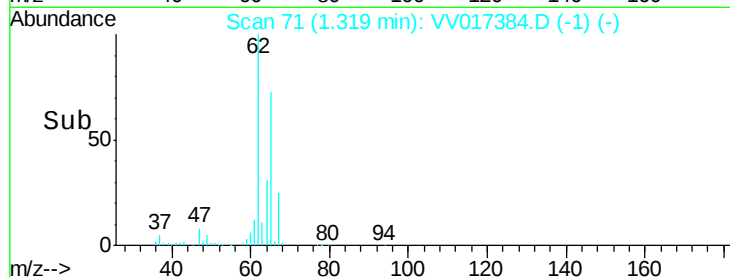
20000

10000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 3.912 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017384.D

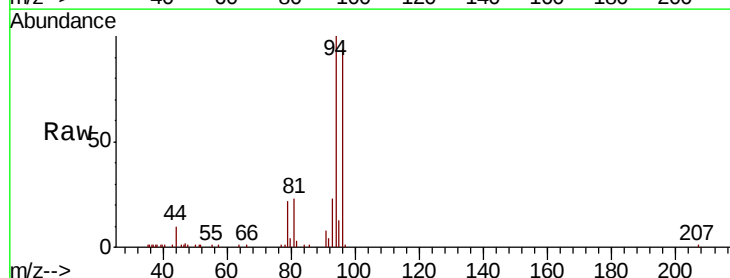
Acq: 07 Jul 2020 18:13

Tgt Ion: 94 Resp: 22716

Ion Ratio Lower Upper

94 100

96 94.4 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

20000

15000

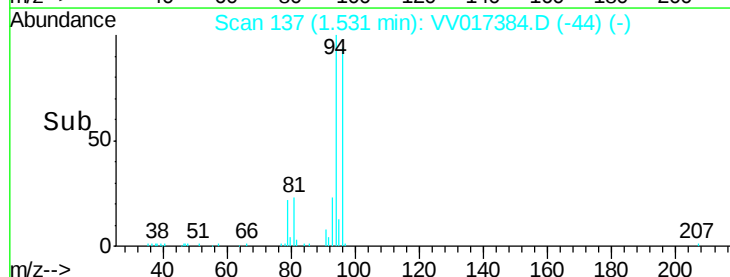
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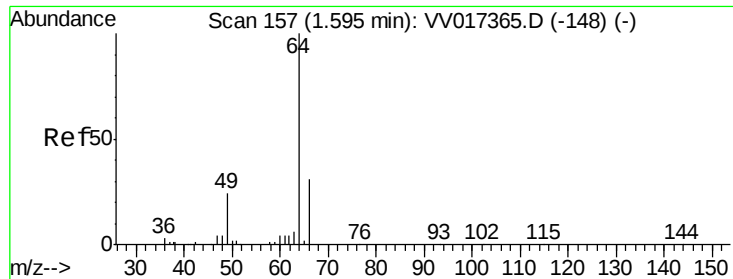
5000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 5.065 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

Instrument :

MSVOA_V

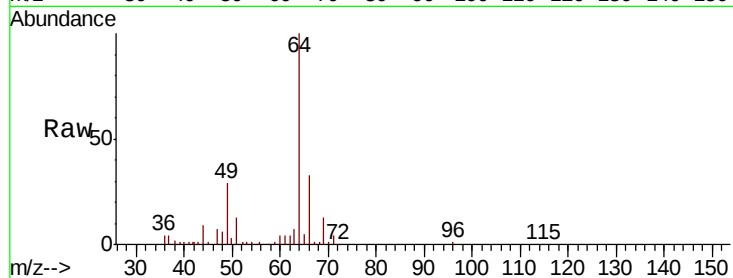
ClientSampleId :

Tot Ion: 64 Resp: 27884

Ion Ratio Lower Upper

64 100

66 33.1 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV017384.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV017384.D (-64) (-)

1.60

25000

20000

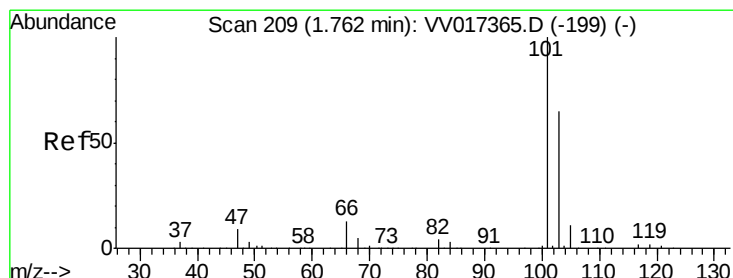
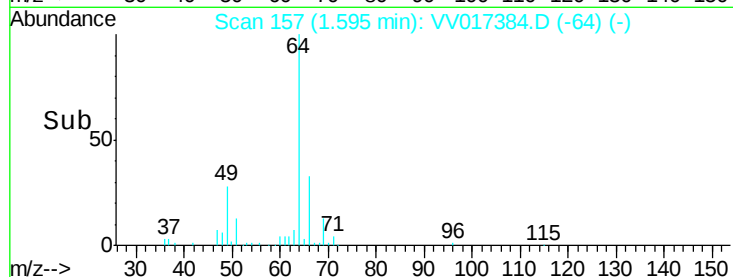
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.697 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017384.D

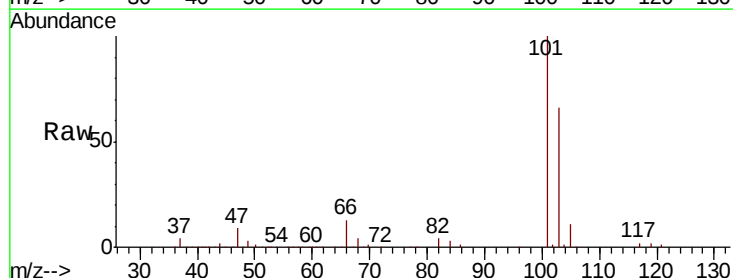
Acq: 07 Jul 2020 18:13

Tgt Ion: 101 Resp: 91912

Ion Ratio Lower Upper

101 100

103 65.4 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV017384.D (-116) (-)

Ion 103.00 (102.70 to 103.70): VV017384.D (-116) (-)

1.77

80000

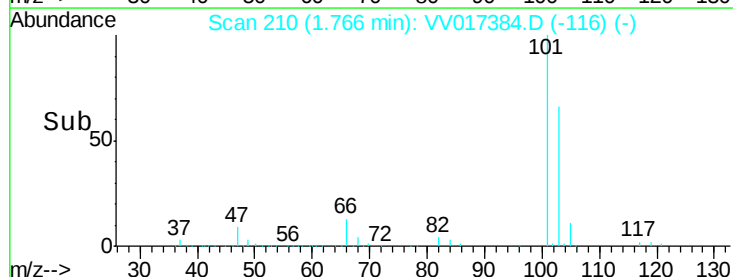
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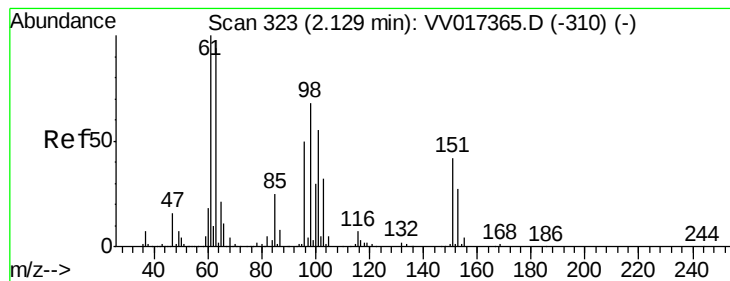
40000

20000

0

Time-->





#10

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

Concen: 5.447 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

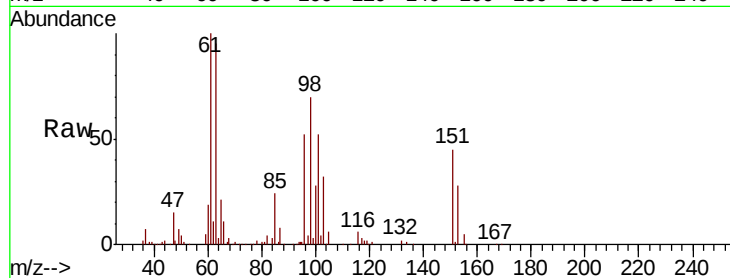
Tot Ion:101 Resp: 43797

Ion Ratio Lower Upper

101 100

85 45.3 35.4 53.2

151 83.0 63.9 95.9



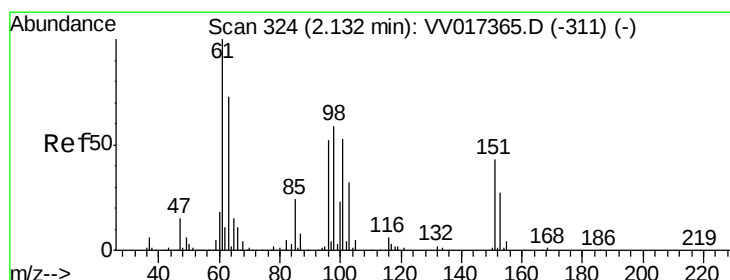
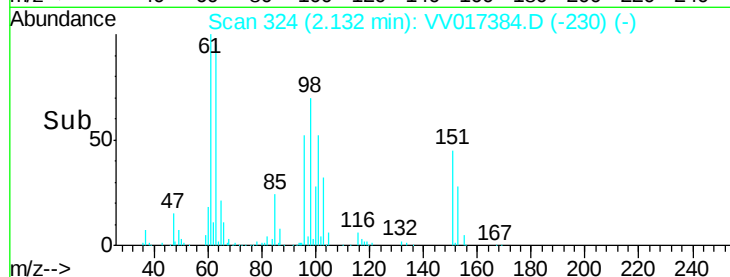
Abundance Ion 101.00 (100.70 to 101.70): VV017384.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017384.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017384.D (-230) (-)

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 5.269 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

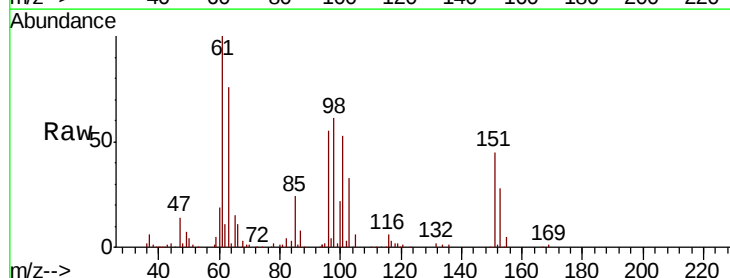
Tgt Ion: 96 Resp: 38395

Ion Ratio Lower Upper

96 100

61 181.4 125.0 232.2

63 138.5 109.8 203.8



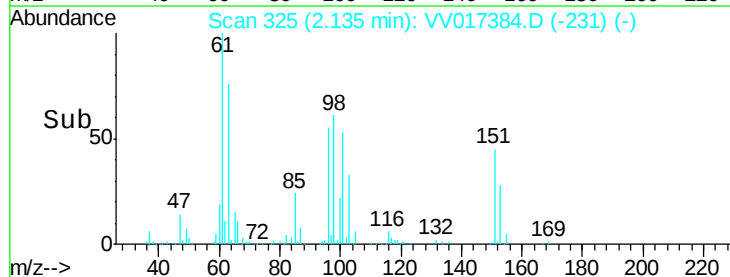
Abundance Ion 96.00 (95.70 to 96.70): VV017384.D (-231) (-)

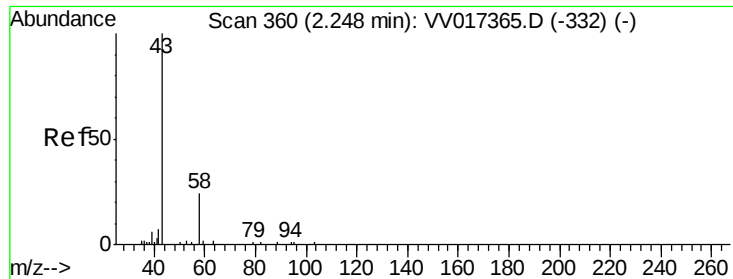
Ion 61.05 (60.75 to 61.75): VV017384.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017384.D (-231) (-)

2.14

Time-->





#13

Acetone

Concen: 53.060 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.03 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

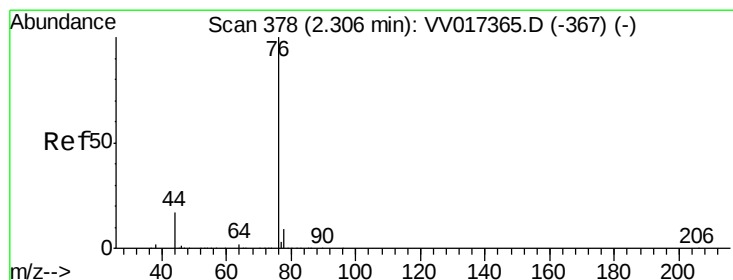
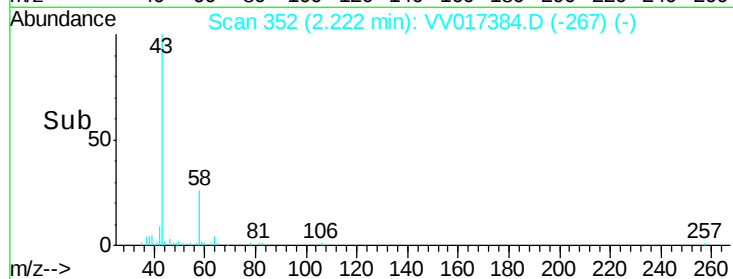
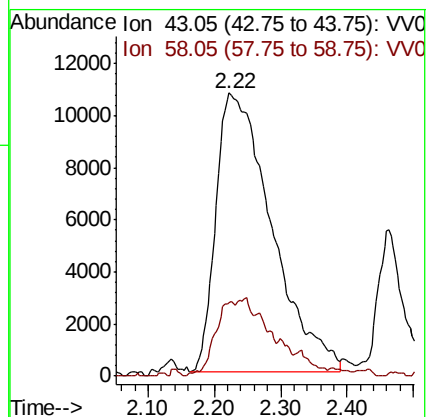
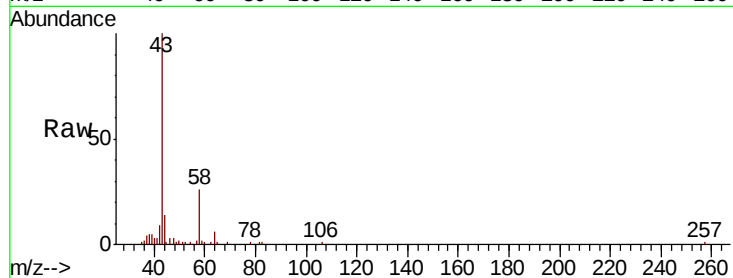
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 62288

Ion Ratio Lower Upper

43 100

58 10.0 0.0 58.4



#14

Carbon disulfide

Concen: 4.580 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017384.D

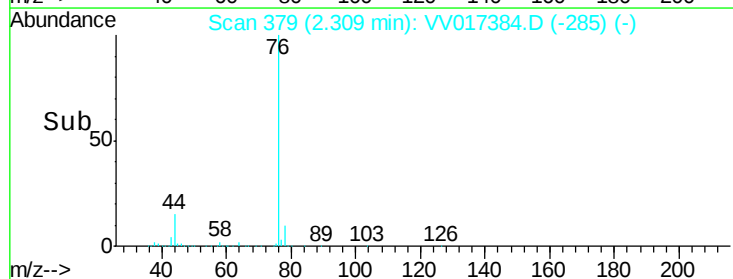
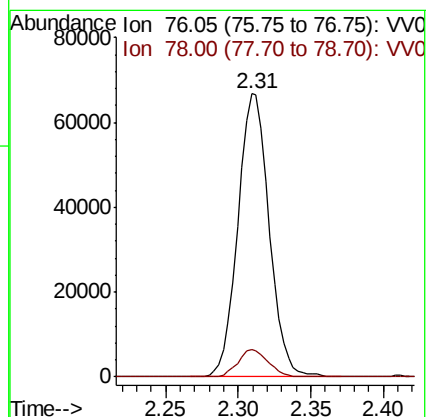
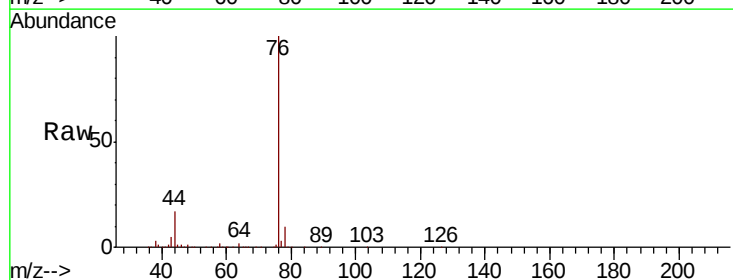
Acq: 07 Jul 2020 18:13

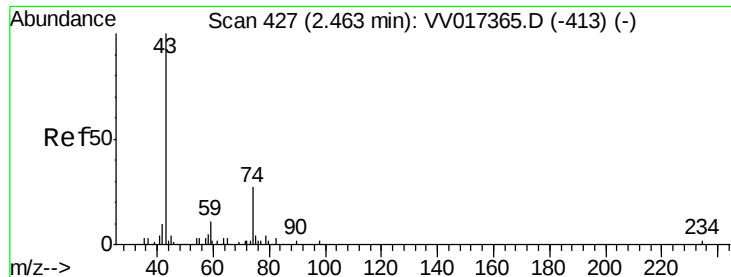
Tgt Ion: 76 Resp: 99990

Ion Ratio Lower Upper

76 100

78 9.9 7.7 11.5

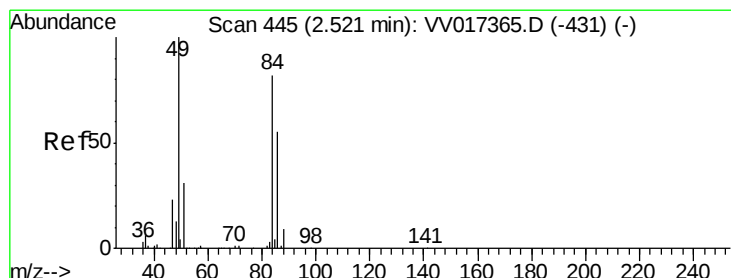
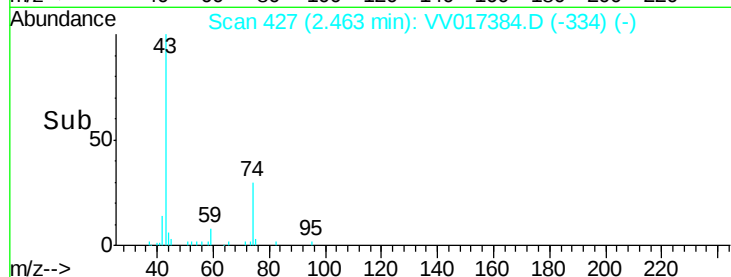
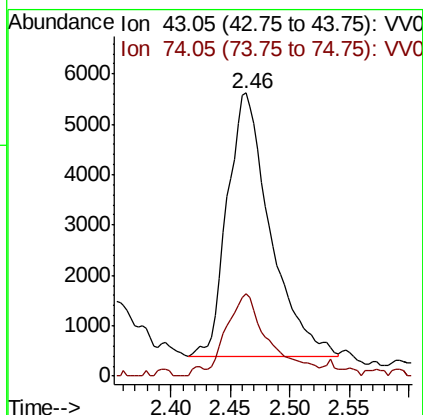
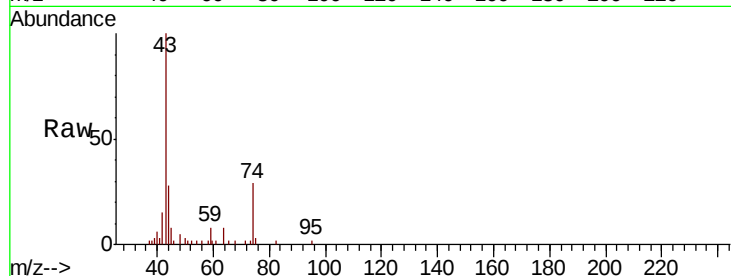




#15
Methvl Acetate
Concen: 4.542 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

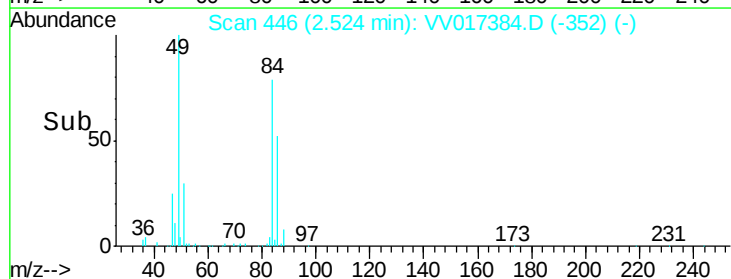
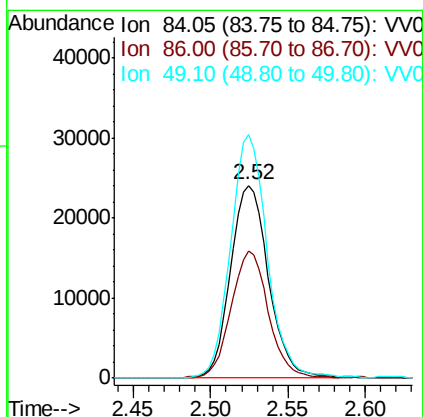
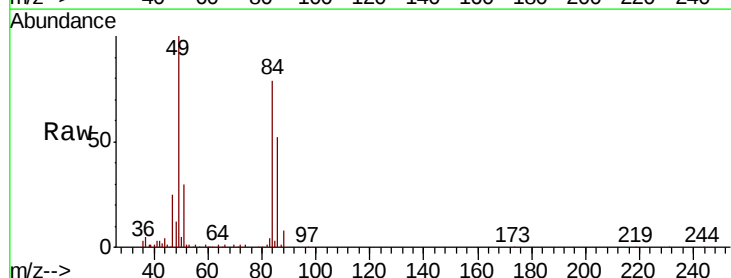
Instrument :
MSVOA_V
ClientSampleId :

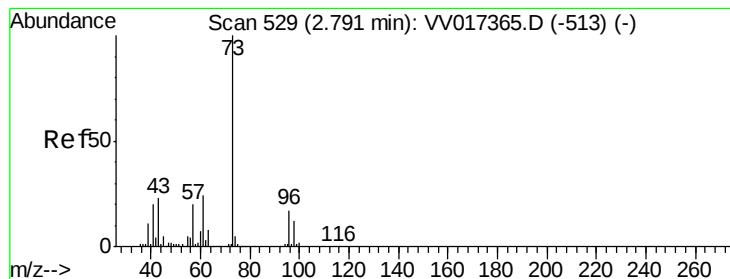
Tot Ion: 43 Resp: 13037
Ion Ratio Lower Upper
43 100
74 27.3 19.1 28.7



#16
Methylene chloride
Concen: 5.263 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Tgt Ion: 84 Resp: 41066
Ion Ratio Lower Upper
84 100
86 65.7 45.8 85.0
49 126.1 89.6 166.4



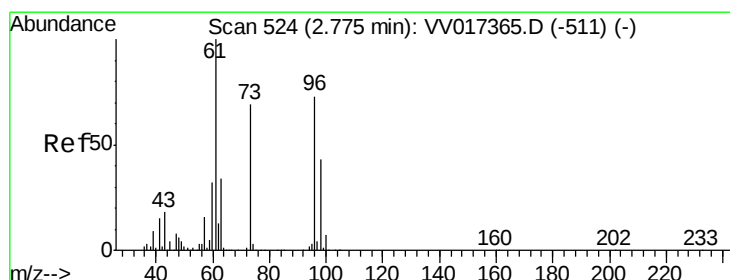
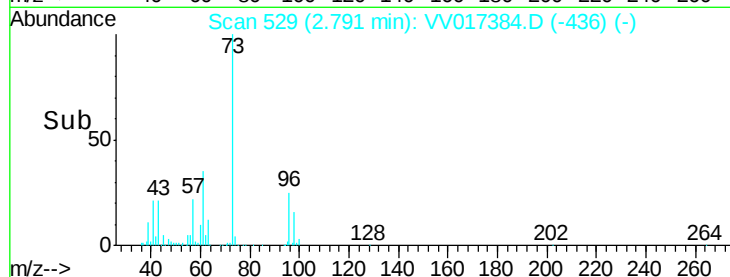
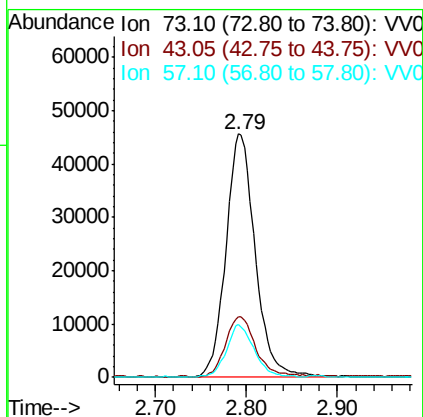
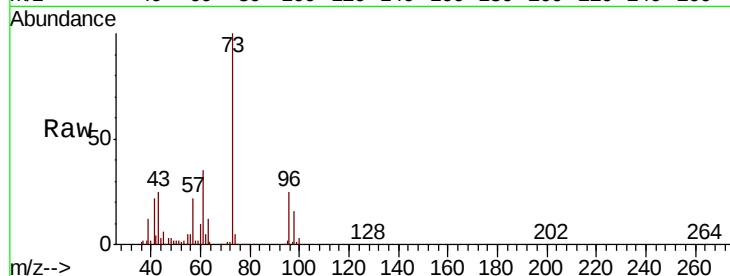


#17

Methvl tert-butvl Ether
 Concen: 5.583 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

Instrument :
 MSVOA_V
 ClientSampled :

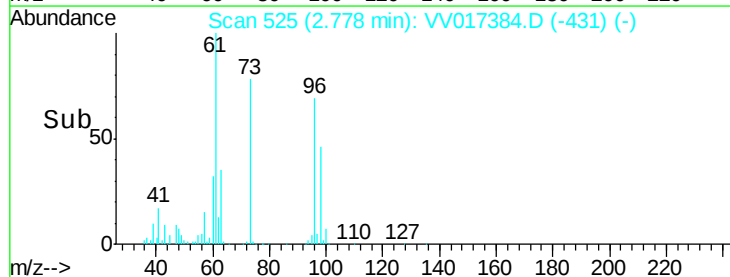
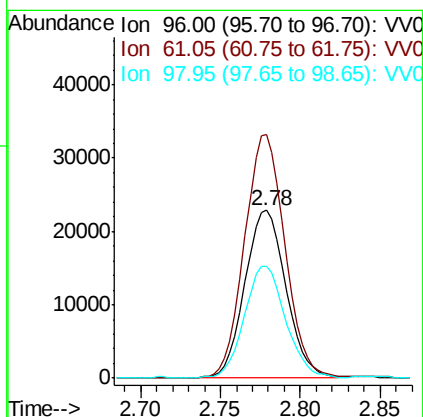
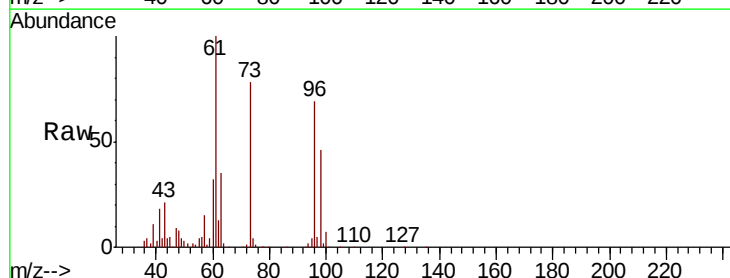
Tot Ion:	73	Resp:	102139
Ion	Ratio	Lower	Upper
73	100		
43	25.2	18.6	28.0
57	20.7	16.4	24.6

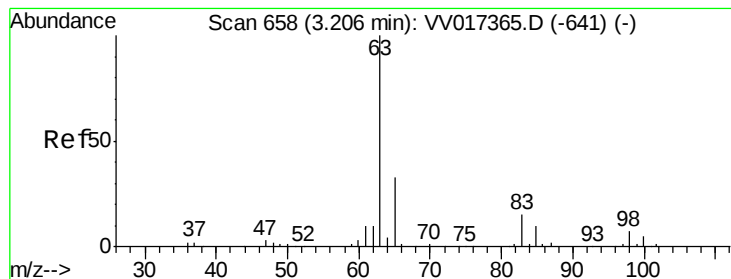


#18

trans-1,2-Dichloroethene
 Concen: 5.236 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

Tgt Ion:	96	Resp:	40431
Ion	Ratio	Lower	Upper
96	100		
61	145.4	102.3	189.9
98	67.0	44.7	82.9





#19

1,1-Dichloroethane

Concen: 5.098 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

Instrument :
MSVOA_V
ClientSampled :

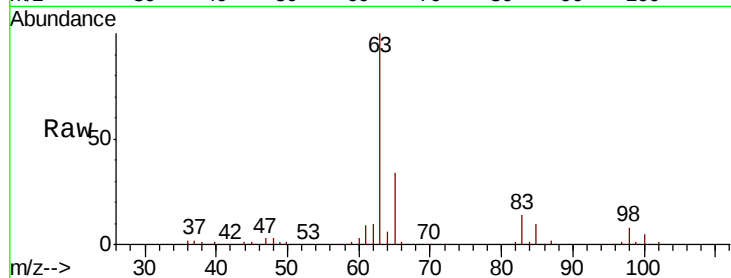
Tot Ion: 63 Resp: 88442

Ion Ratio Lower Upper

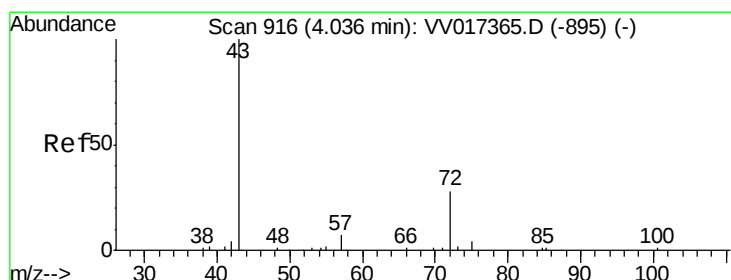
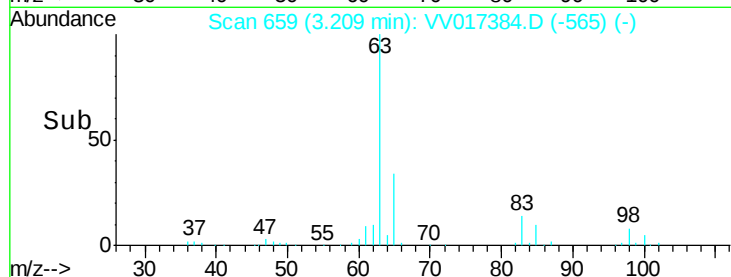
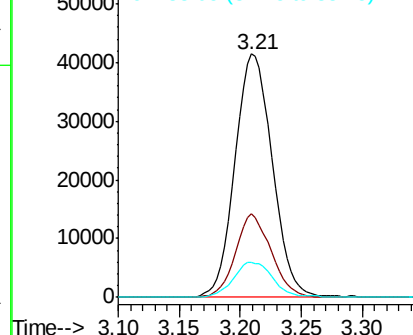
63 100

65 34.5 21.8 40.4

83 14.2 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 44.359 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.00 min

Lab File: VV017384.D

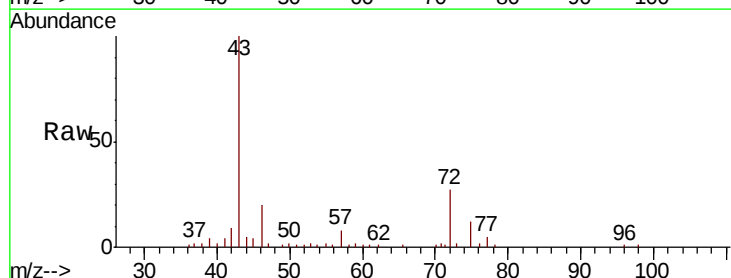
Acq: 07 Jul 2020 18:13

Tgt Ion: 43 Resp: 98163

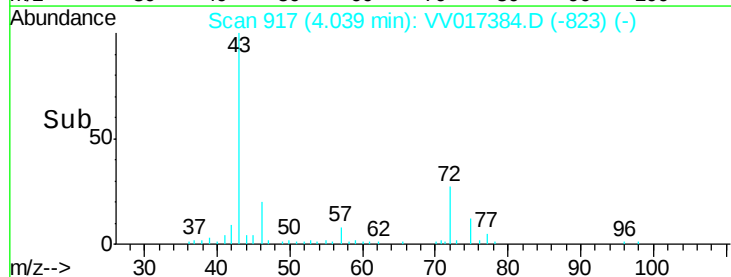
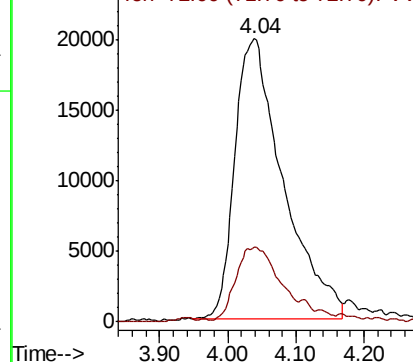
Ion Ratio Lower Upper

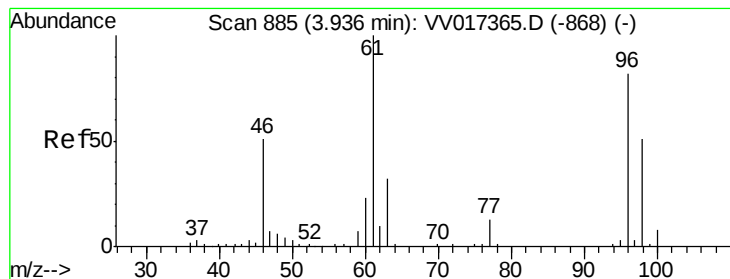
43 100

72 22.5 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



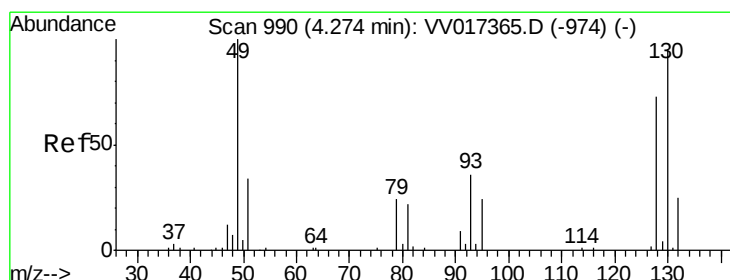
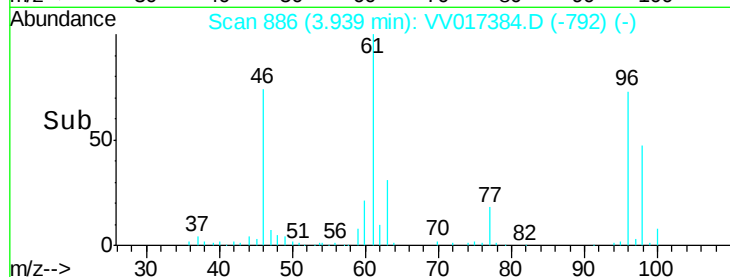
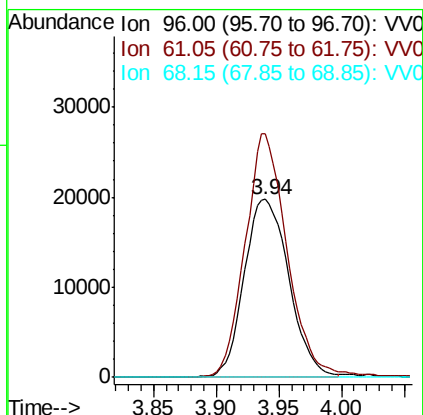
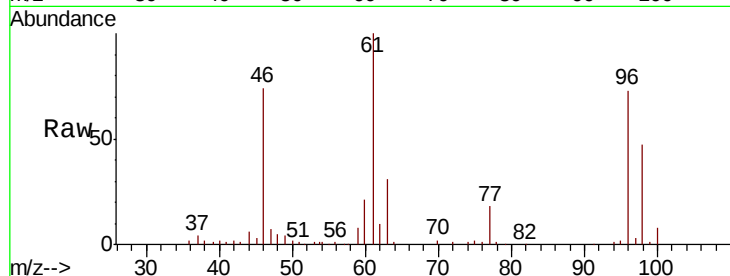


#22

cis-1,2-Dichloroethene
Concen: 4.657 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Instrument :
MSVOA_V
ClientSampleId :

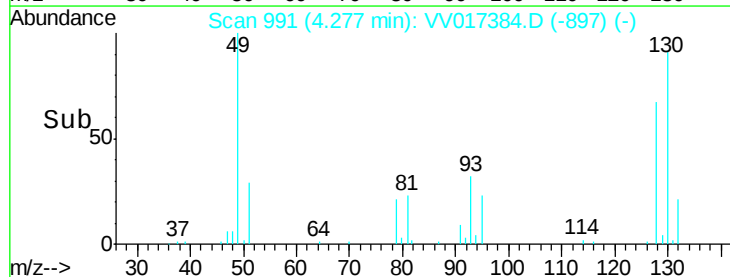
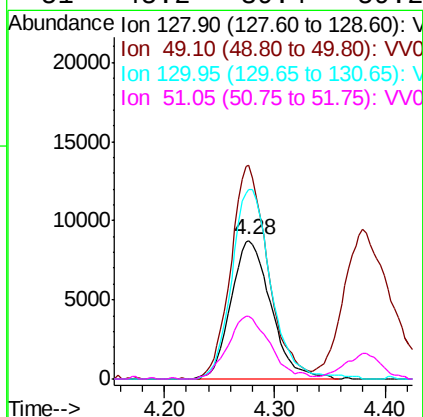
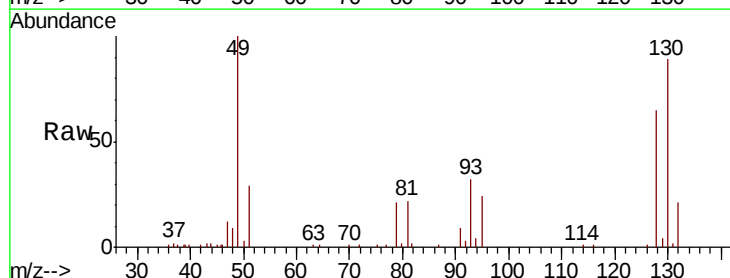
Tot Ion: 96 Resp: 49172
Ion Ratio Lower Upper
96 100
61 136.5 91.0 169.0
68 0.0 0.0 0.0

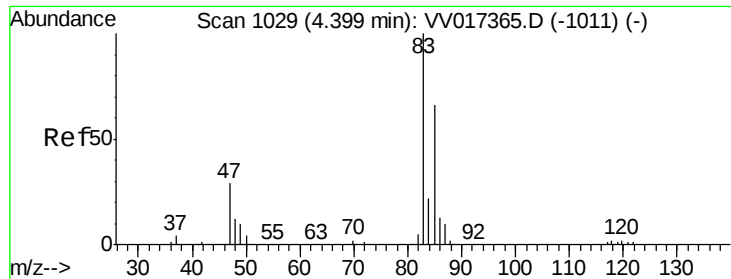


#23

Bromochloromethane
Concen: 4.912 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Tgt Ion: 128 Resp: 22041
Ion Ratio Lower Upper
128 100
49 153.9 110.8 205.8
130 136.4 86.0 159.8
51 45.2 39.4 59.2

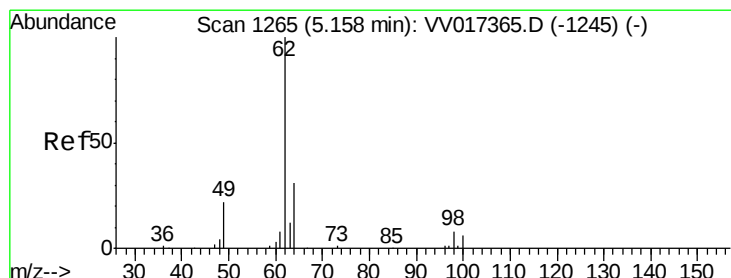
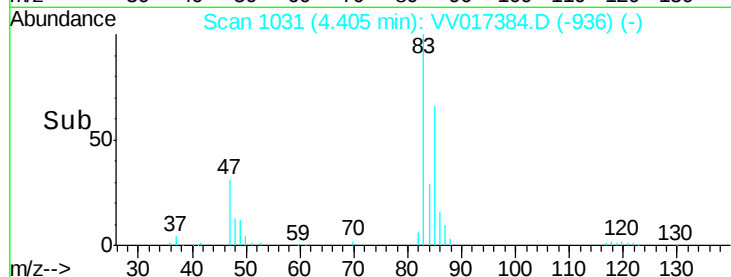
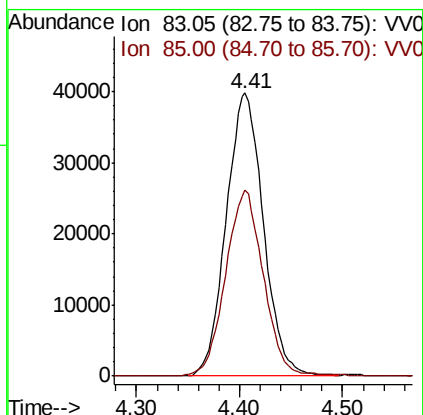
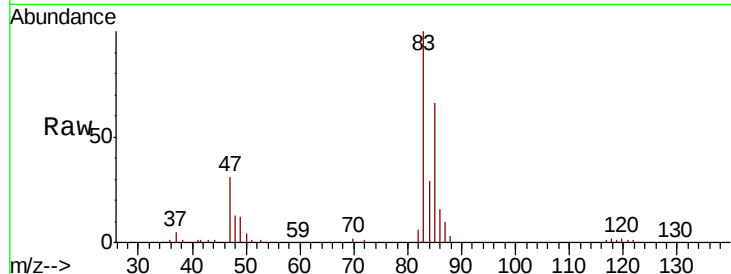




#25
Chloroform
Concen: 5.279 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

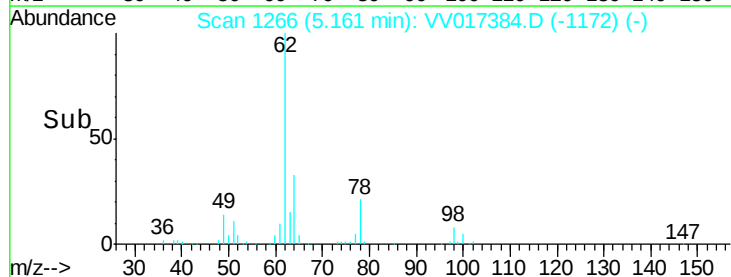
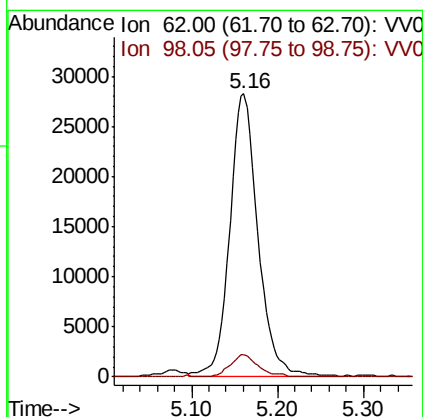
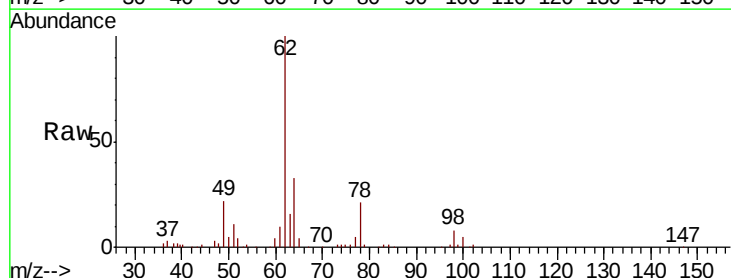
Instrument :
MSVOA_V
ClientSampleId :

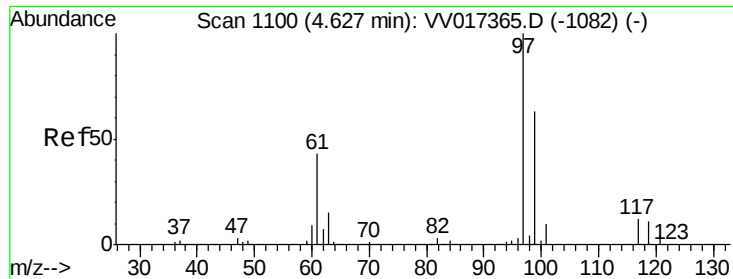
Tot Ion: 83 Resp: 100039
Ion Ratio Lower Upper
83 100
85 65.6 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.487 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Tgt Ion: 62 Resp: 64601
Ion Ratio Lower Upper
62 100
98 7.9 6.7 10.1

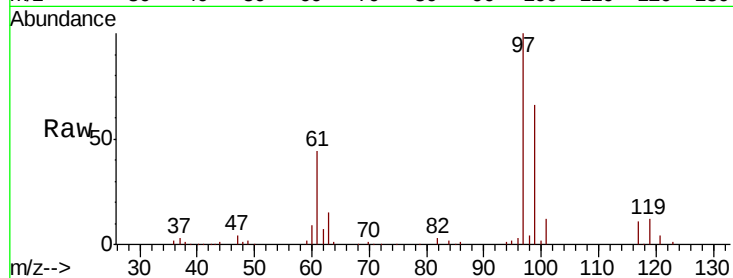




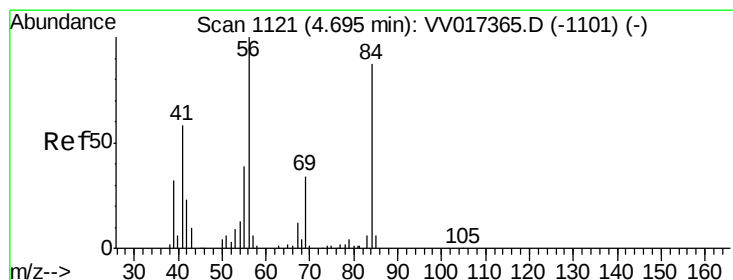
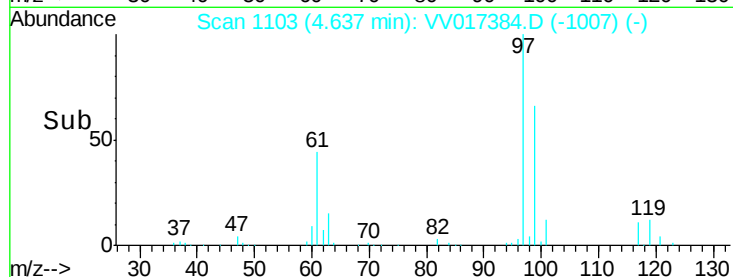
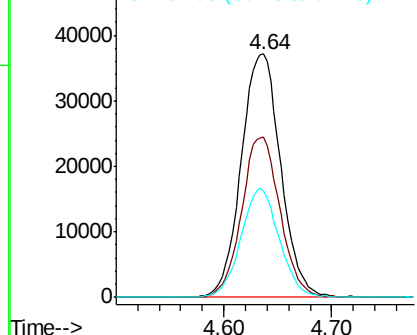
#29
1,1,1-Trichloroethane
Concen: 5.269 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 94500
Ion Ratio Lower Upper
97 100
99 63.9 50.3 75.5
61 43.3 36.0 54.0

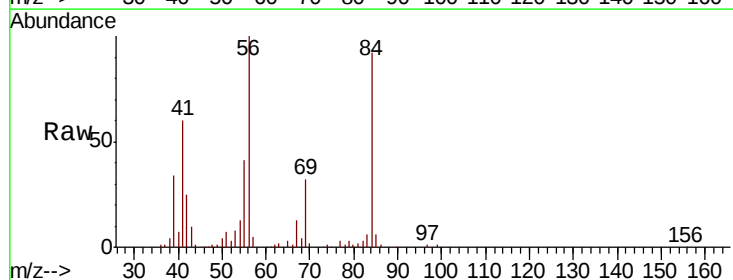


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

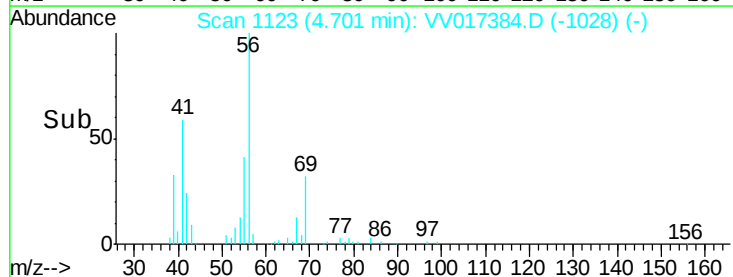
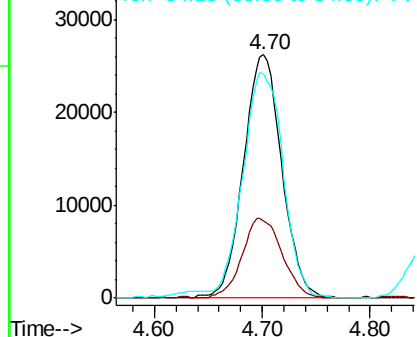


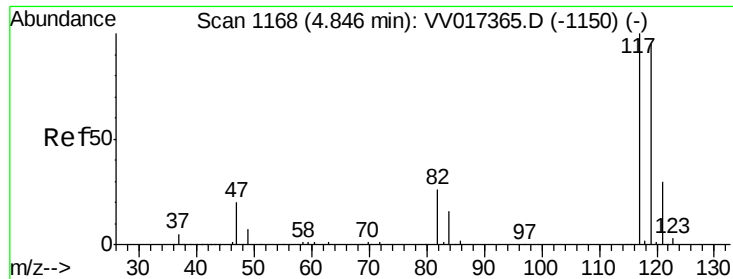
#30
Cyclohexane
Concen: 3.798 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Tgt Ion: 56 Resp: 64823
Ion Ratio Lower Upper
56 100
69 34.3 24.4 36.6
84 98.0 69.9 104.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

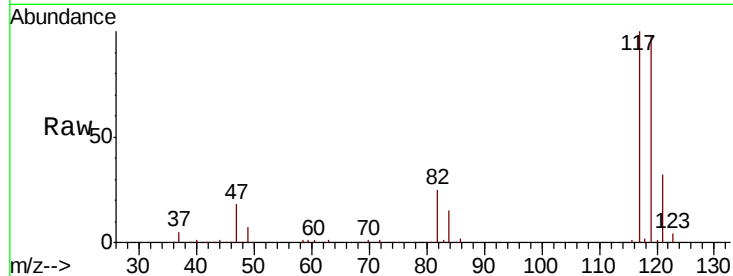




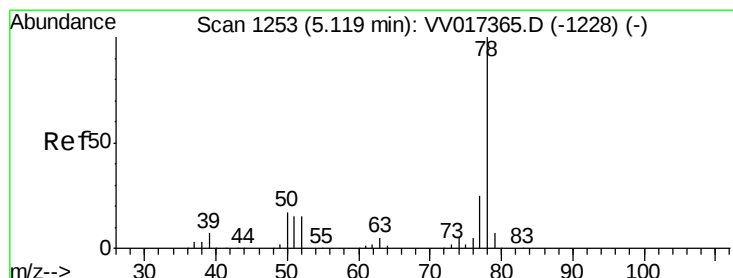
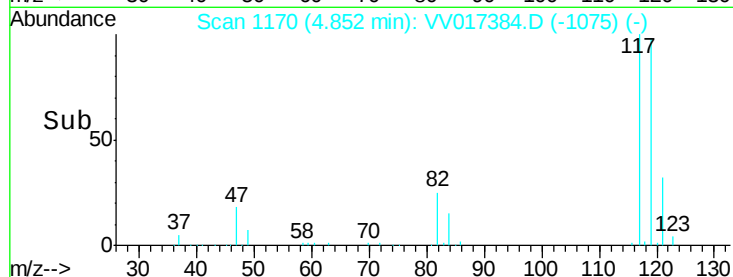
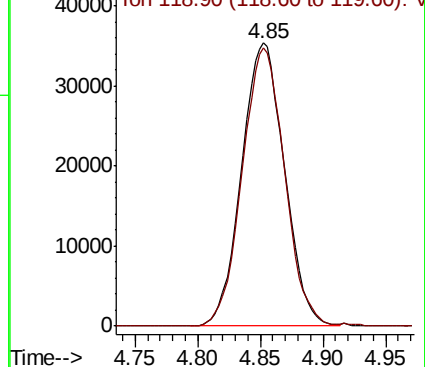
#31
Carbon tetrachloride
Concen: 5.198 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.01 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 84126
Ion Ratio Lower Upper
117 100
119 97.0 77.8 116.8

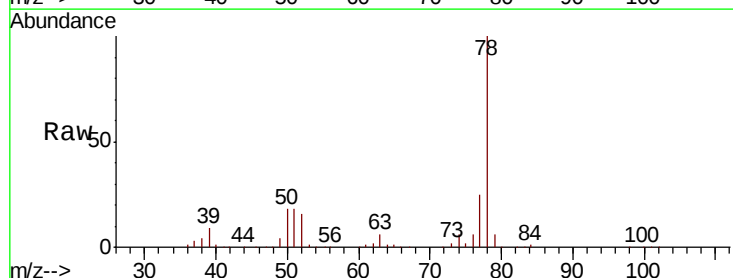


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

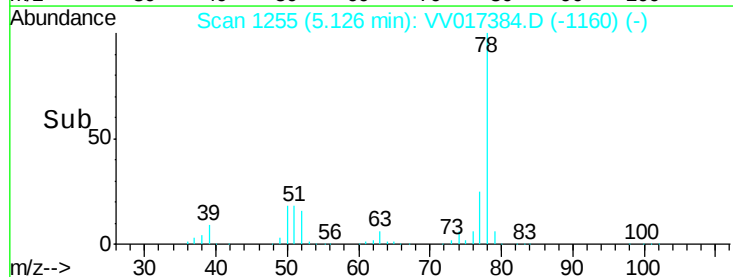
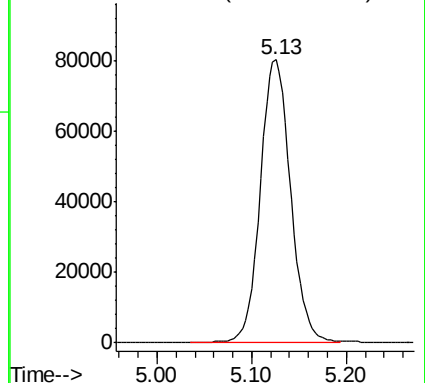


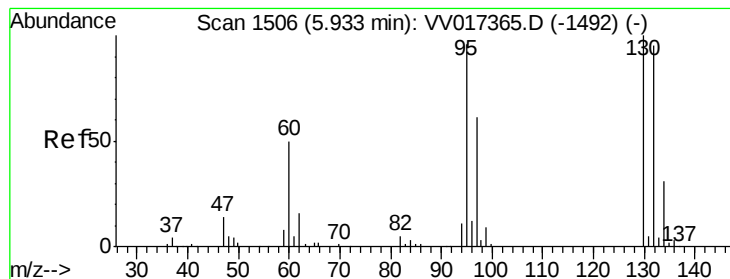
#33
Benzene
Concen: 4.565 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Tgt Ion: 78 Resp: 178957



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.601 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 52816

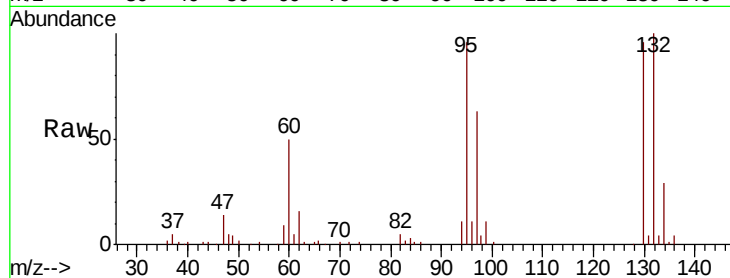
Ion Ratio Lower Upper

95 100

97 66.1 45.3 84.1

132 104.4 68.8 127.8

130 99.9 70.2 130.4

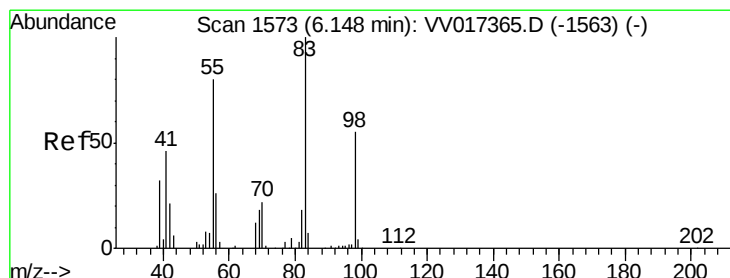
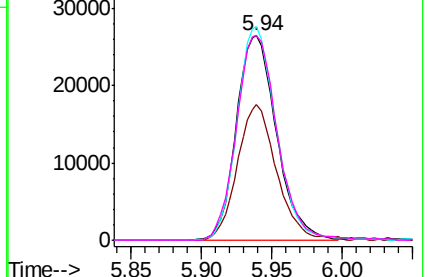
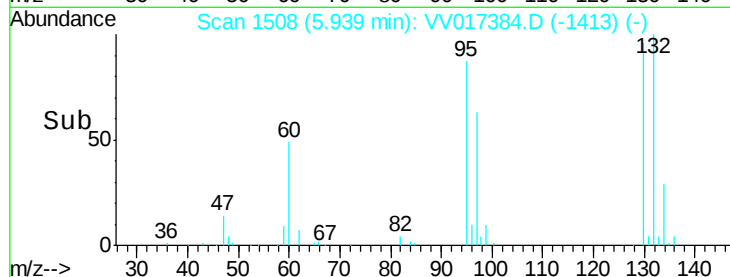


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.252 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

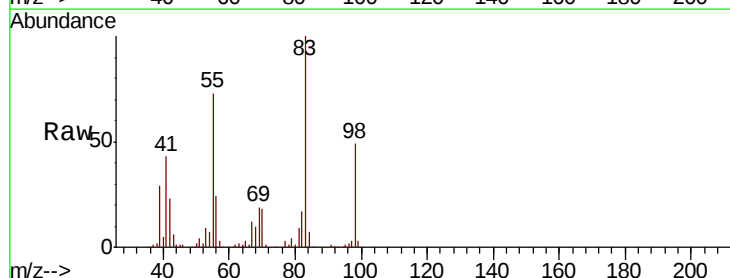
Tgt Ion: 83 Resp: 75877

Ion Ratio Lower Upper

83 100

55 74.9 63.6 95.4

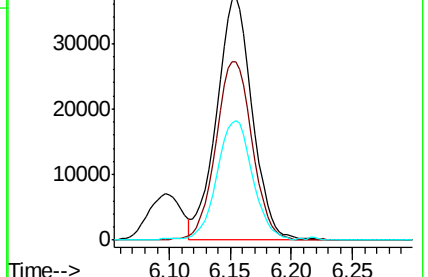
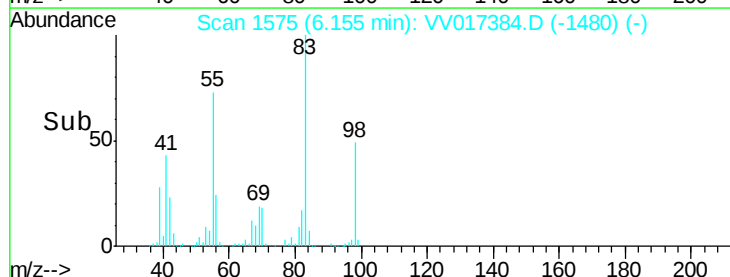
98 49.2 38.8 58.2

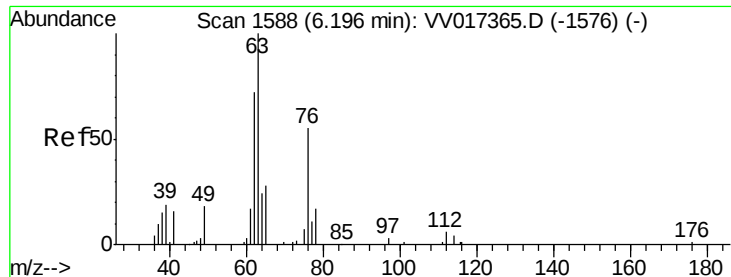


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

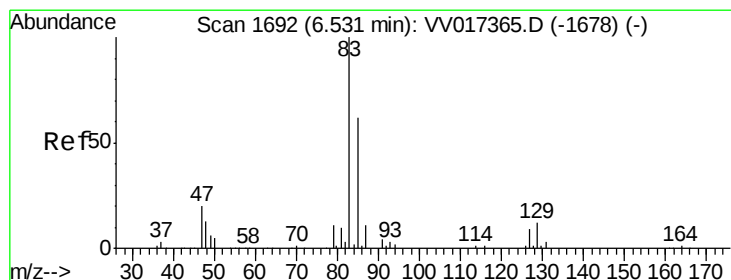
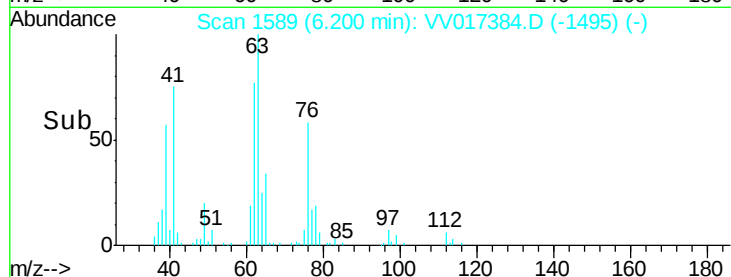
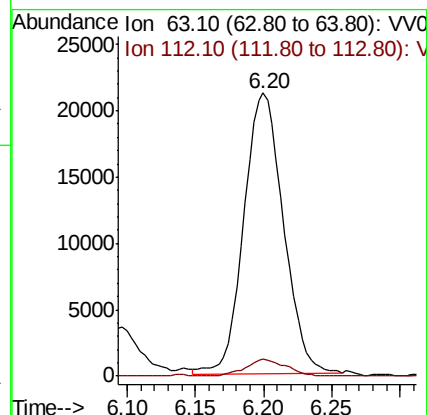
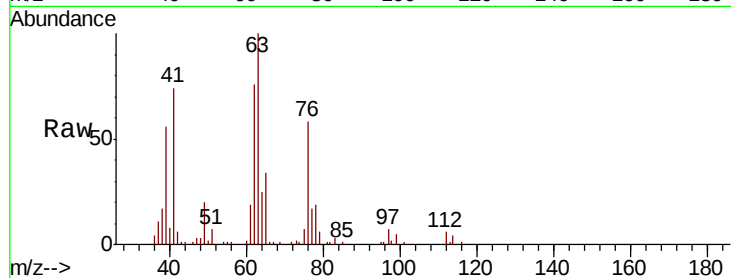




#37
 1,2-Dichloropropane
 Concen: 4.398 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

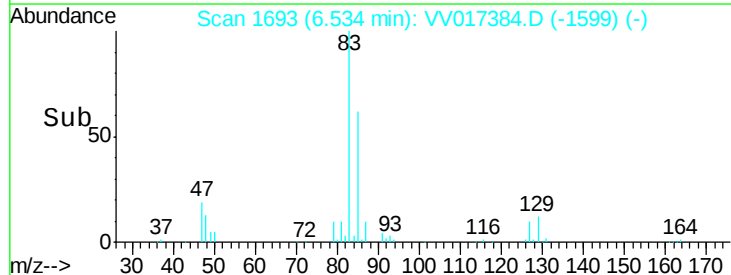
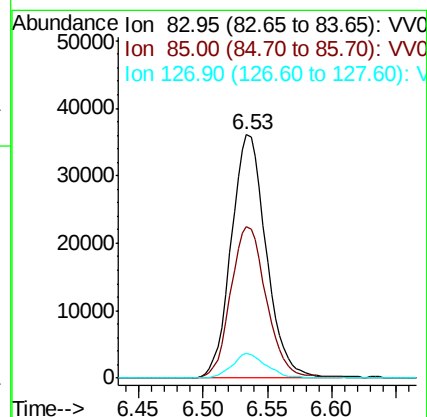
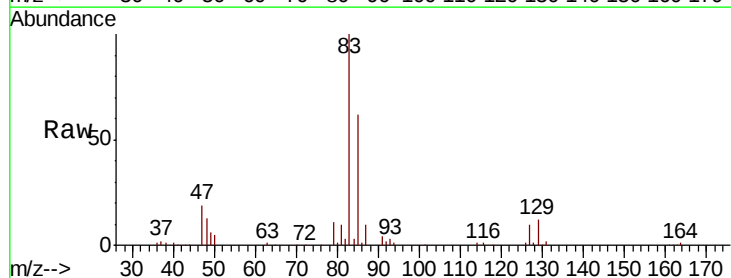
Instrument :
 MSVOA_V
 ClientSampleId :

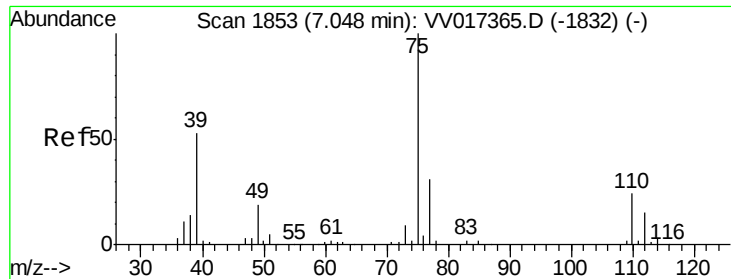
Tot Ion: 63 Resp: 42683
 Ion Ratio Lower Upper
 63 100
 112 6.1 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.157 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

Tgt Ion: 83 Resp: 67980
 Ion Ratio Lower Upper
 83 100
 85 62.2 43.4 80.6
 127 10.0 7.9 11.9

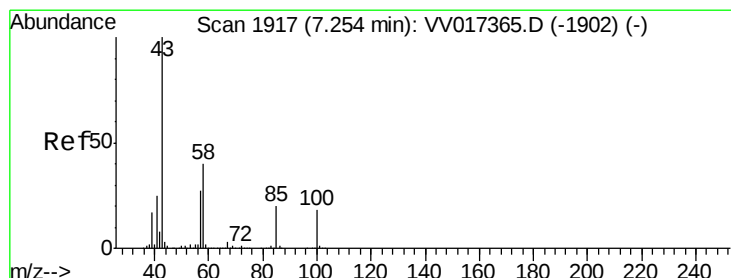
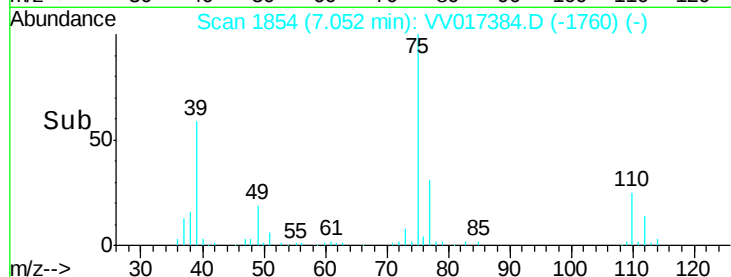
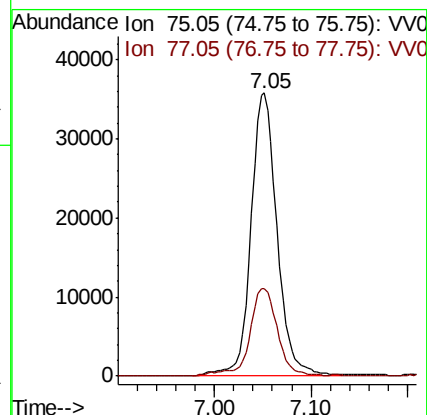
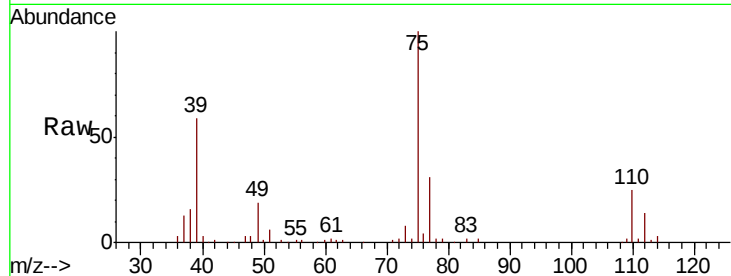




#39
 cis-1,3-Dichloropropene
 Concen: 4.664 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

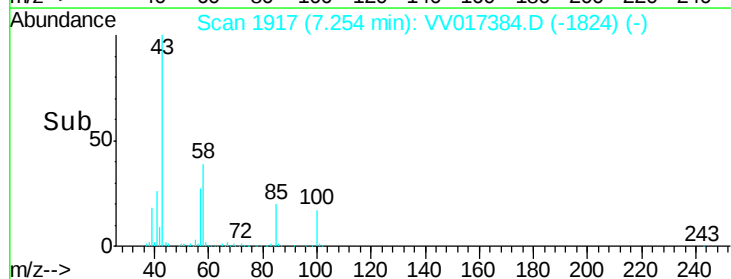
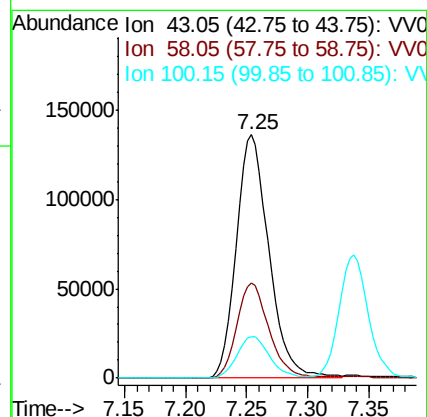
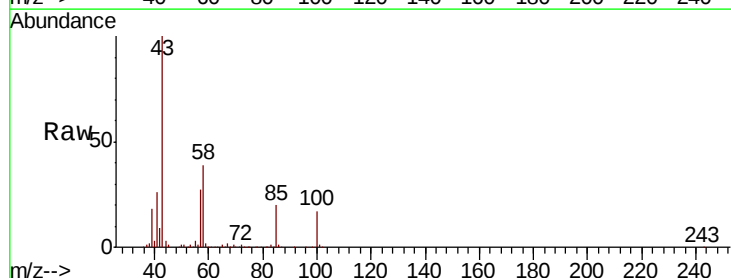
Instrument :
 MSVOA_V
 ClientSampleId :

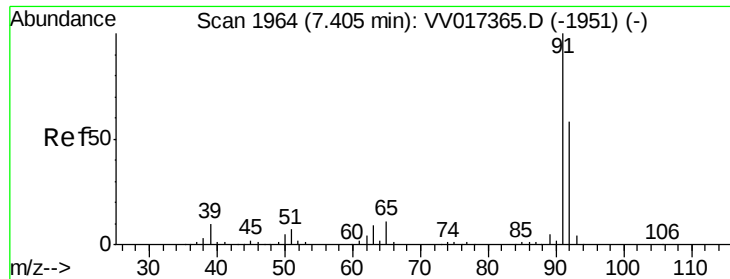
Tot Ion: 75 Resp: 67250
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 45.147 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

Tgt Ion: 43 Resp: 252965
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.4 45.6
 100 17.1 12.7 19.1





#42

Toluene

Concen: 4.571 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

Instrument :

MSVOA_V

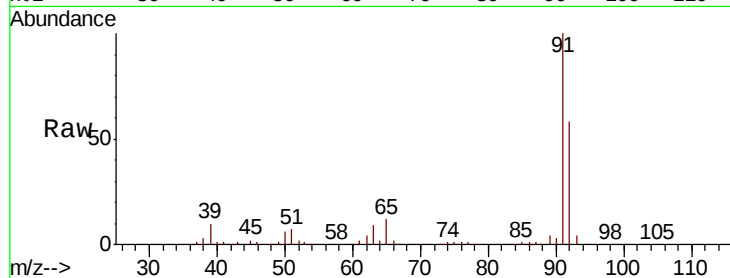
ClientSampleId :

Tot Ion: 91 Resp: 208326

Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017365.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017365.D (-1951) (-)

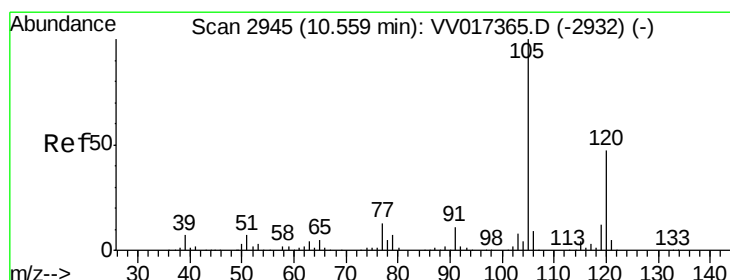
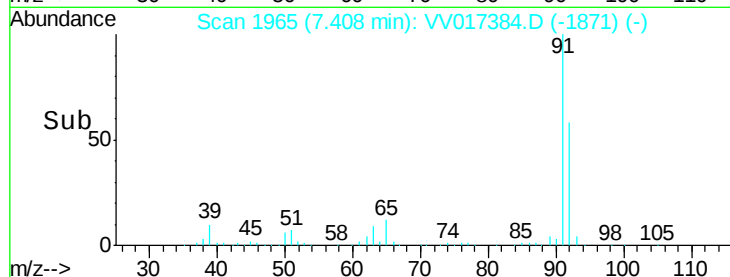
7.41

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.116 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017384.D

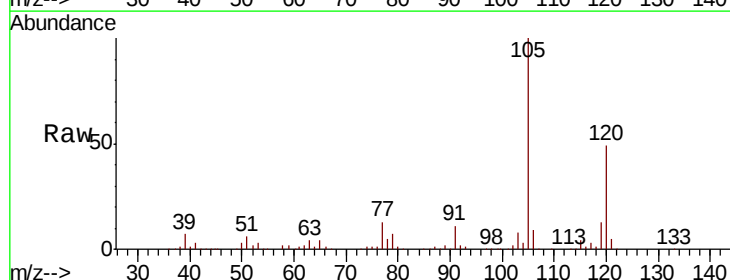
Acq: 07 Jul 2020 18:13

Tgt Ion: 105 Resp: 208515

Ion Ratio Lower Upper

105 100

120 47.4 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017365.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017365.D (-2932) (-)

10.56

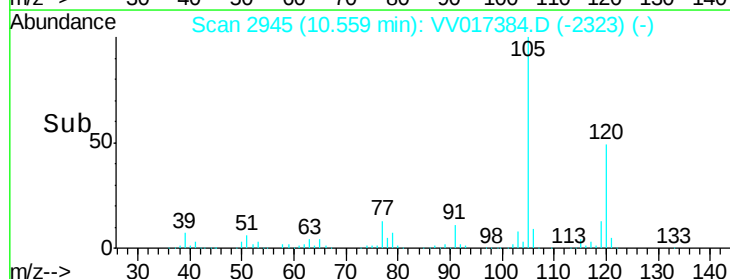
150000

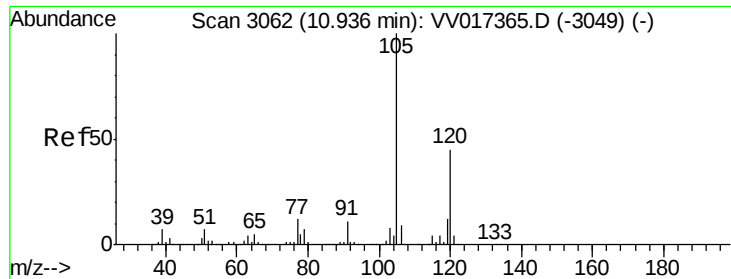
100000

50000

0

Time-->

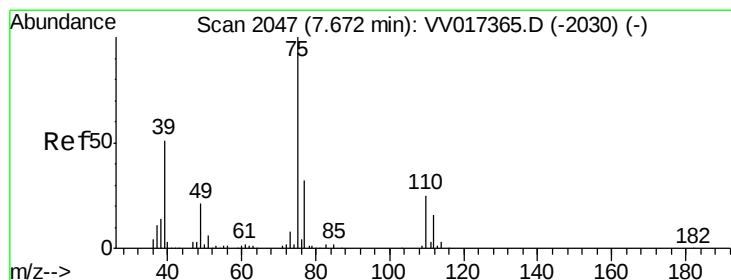
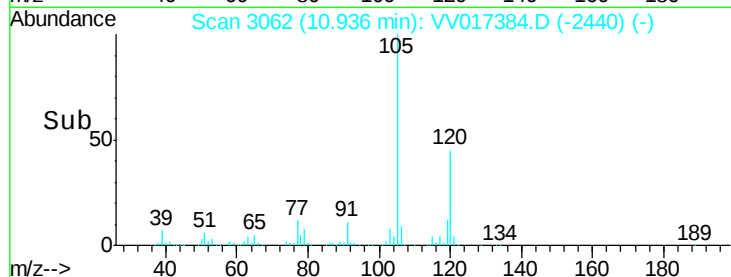
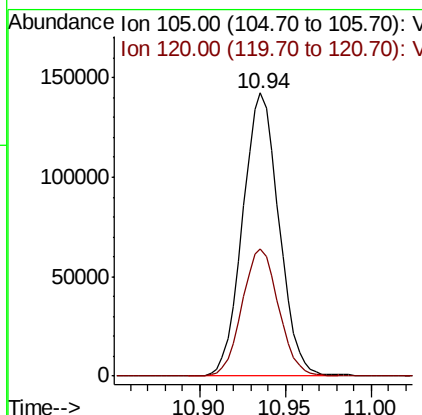
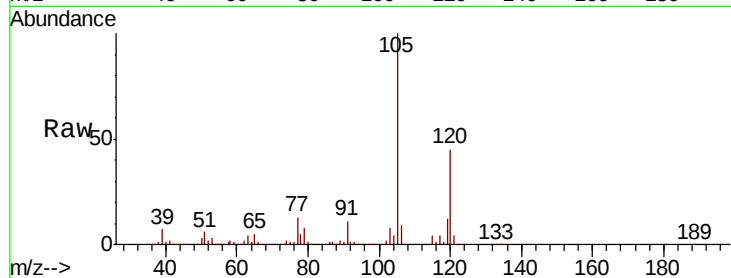




#44
1,2,4-Trimethylbenzene
Concen: 5.036 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

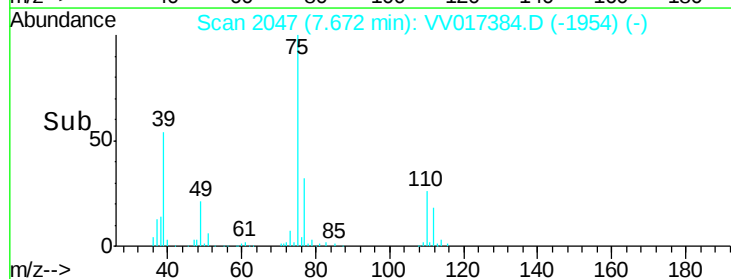
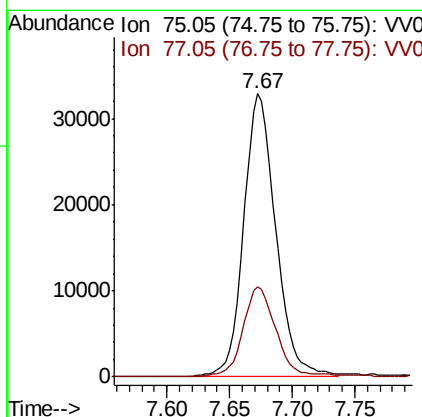
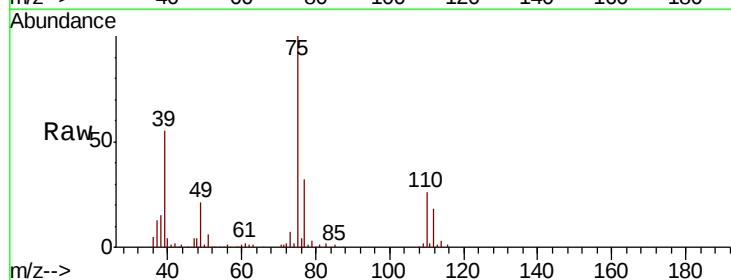
Instrument :
MSVOA_V
ClientSampleId :

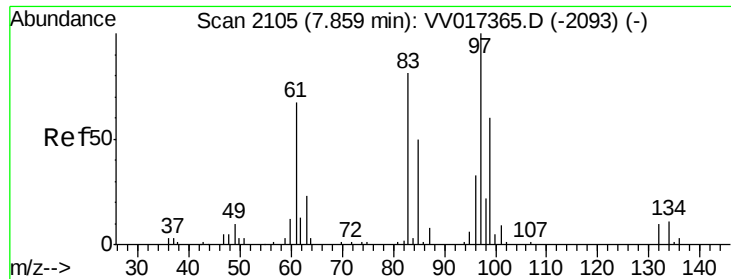
Tot Ion:105 Resp: 209027
Ion Ratio Lower Upper
105 100
120 45.3 35.8 53.8



#46
trans-1,3-Dichloropropene
Concen: 4.707 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Tgt Ion: 75 Resp: 58704
Ion Ratio Lower Upper
75 100
77 32.0 22.3 41.3

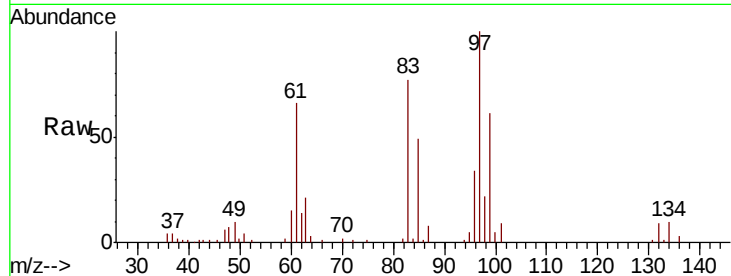




#47
 1,1,2-Trichloroethane
 Concen: 4.842 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

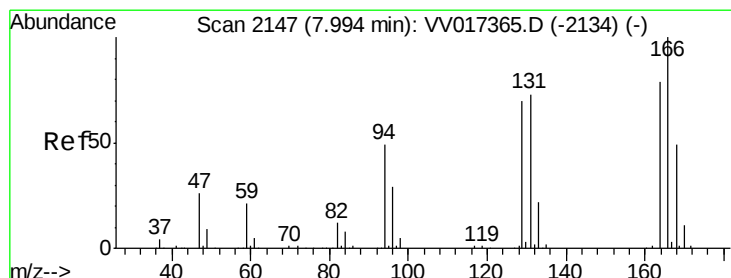
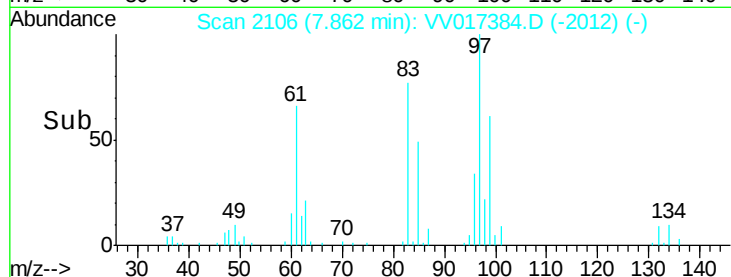
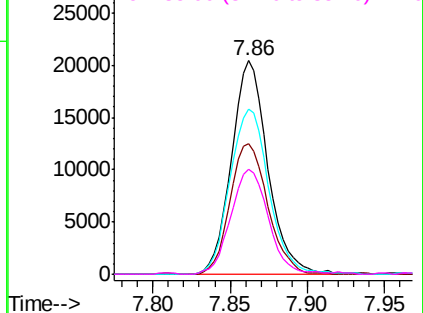
Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	33329
Ion	Ratio	Lower	Upper
97	100		
99	60.9	43.6	81.0
83	77.3	57.4	106.6
85	49.3	38.8	72.0



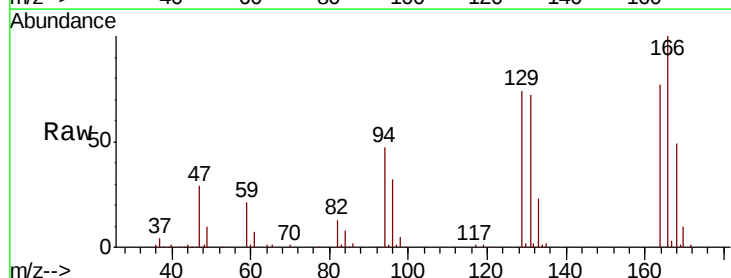
Abundance

Ion 96.95 (96.65 to 97.65): VV017384.D (-2012) (-)



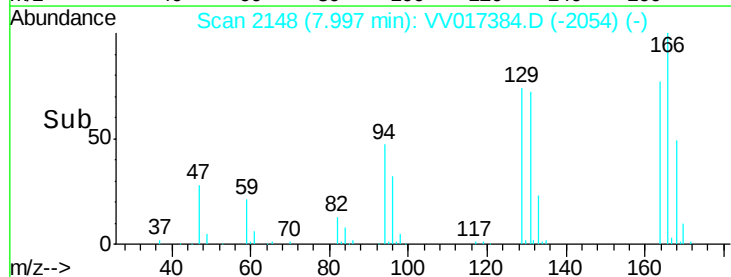
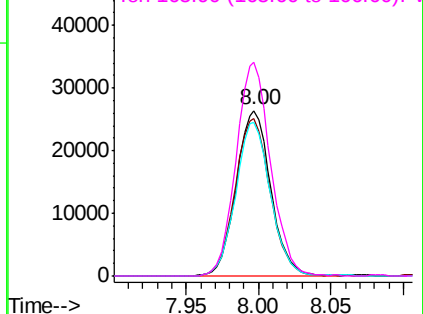
#49
 Tetrachloroethene
 Concen: 4.708 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

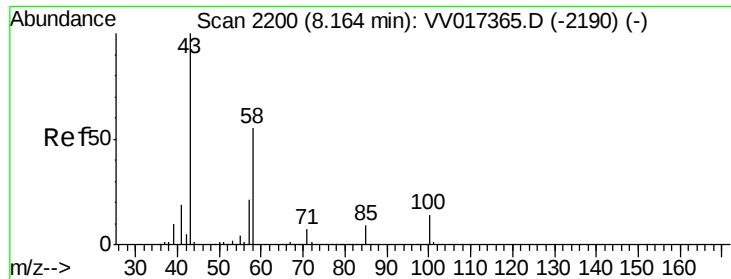
Tgt Ion:	164	Resp:	43504
Ion	Ratio	Lower	Upper
164	100		
129	95.0	65.2	121.0
131	93.2	64.1	119.1
166	129.0	90.2	167.4



Abundance

Ion 163.90 (163.60 to 164.60): VV017384.D (-2054) (-)

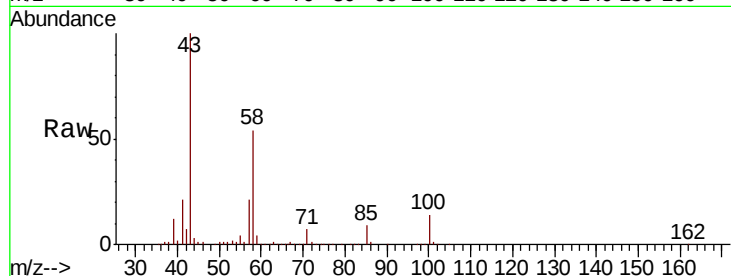




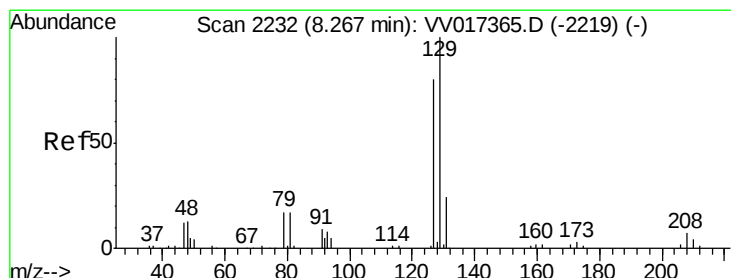
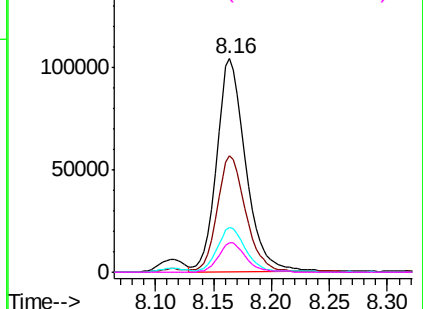
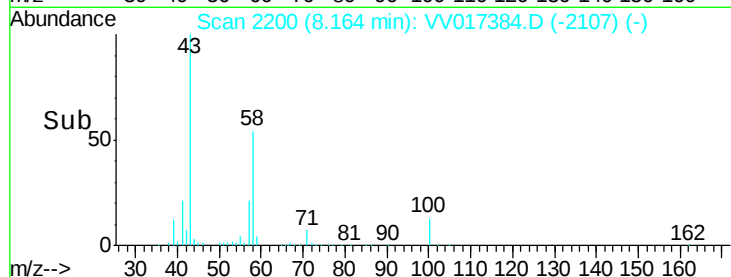
#50
2-Hexanone
Concen: 45.492 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 181401
Ion Ratio Lower Upper
43 100
58 53.6 41.6 62.4
57 20.1 15.4 23.0
100 13.3 10.1 15.1

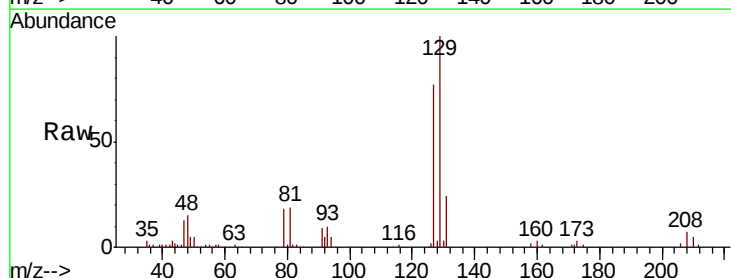


Abundance Ion 43.05 (42.75 to 43.75): VV017384.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV017384.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV017384.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV017384.D (-2107) (-)

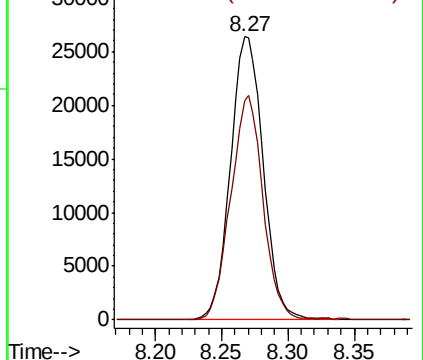
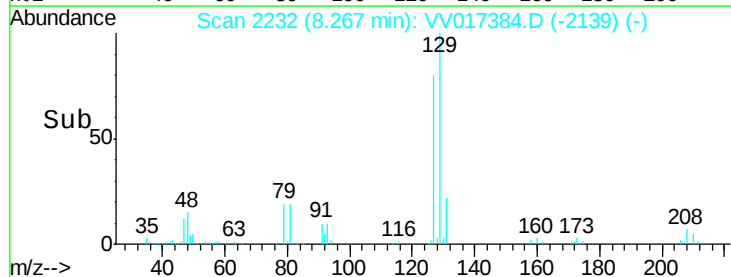


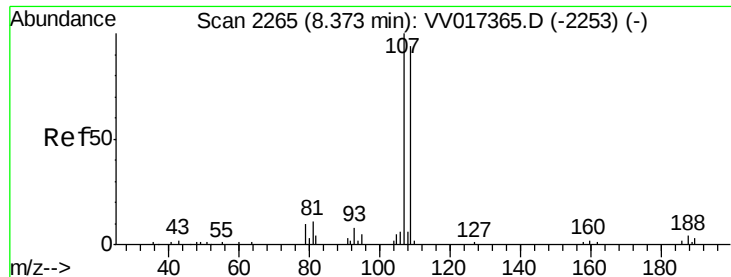
#51
Dibromochloromethane
Concen: 5.436 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Tgt Ion: 129 Resp: 45352
Ion Ratio Lower Upper
129 100
127 77.4 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): VV017384.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV017384.D (-2139) (-)

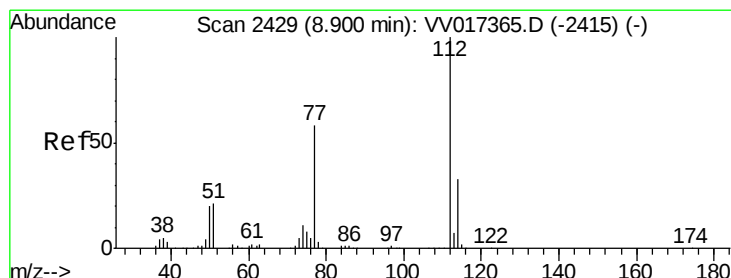
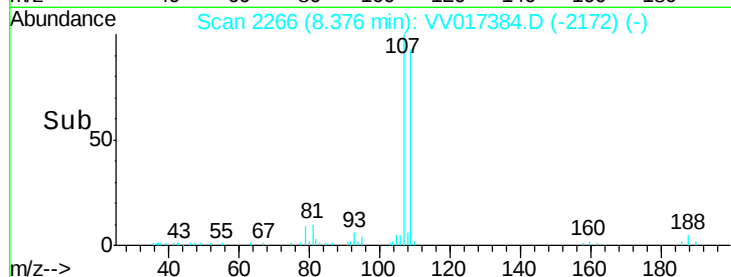
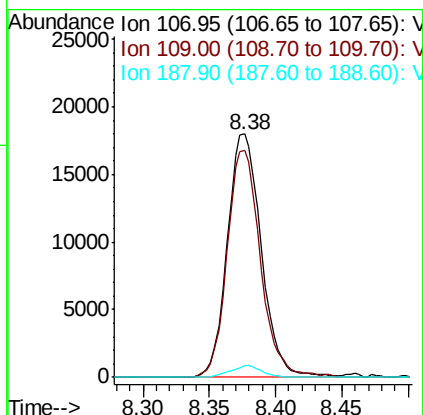
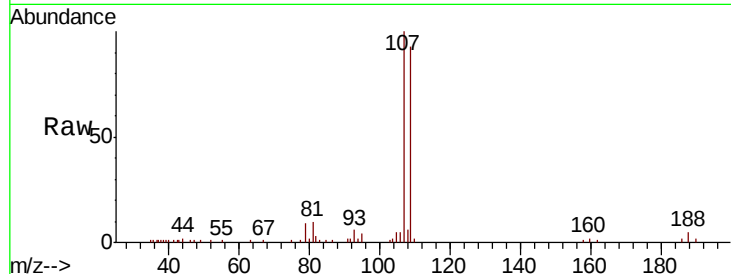




#52
 1,2-Dibromoethane
 Concen: 4.895 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

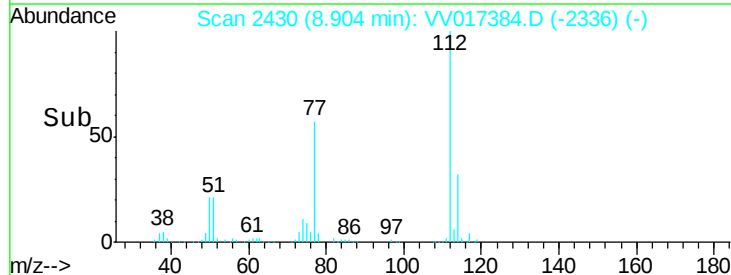
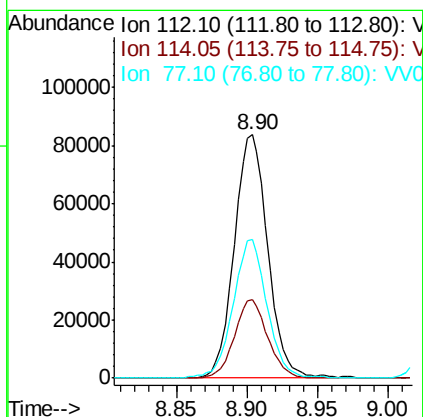
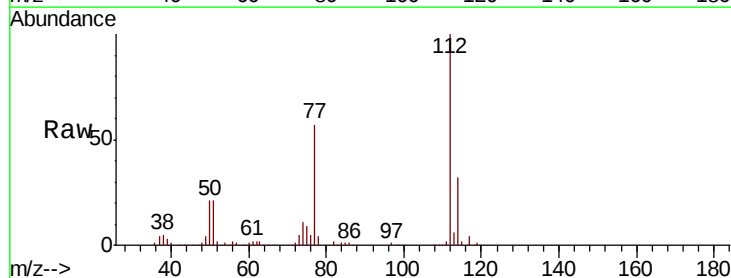
Instrument :
 MSVOA_V
 ClientSampleId :

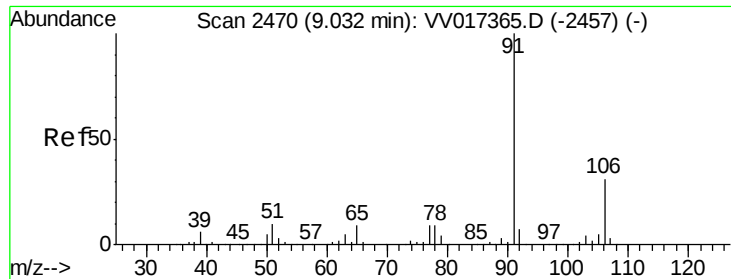
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	69.4	128.8
188	4.8	3.9	5.9



#53
 Chlorobenzene
 Concen: 4.895 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.0	41.0
77	57.0	46.0	69.0





#54

Ethylbenzene

Concen: 4.786 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

Instrument :

MSVOA_V

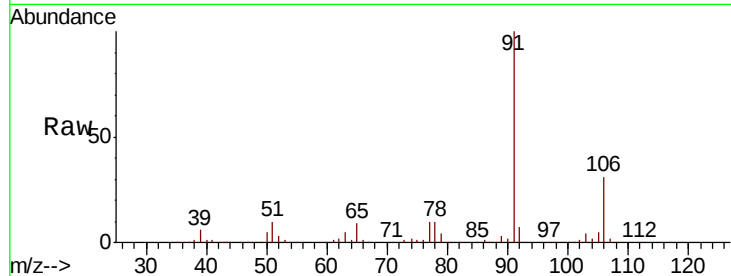
ClientSampleId :

Tot Ion: 91 Resp: 232852

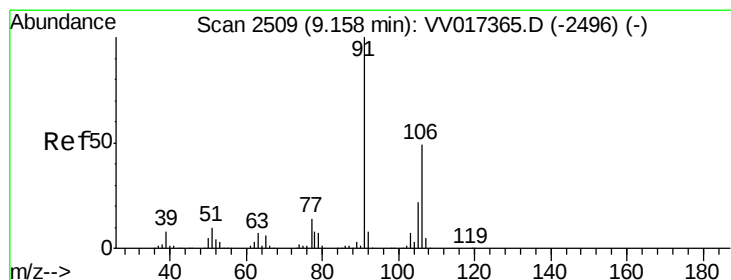
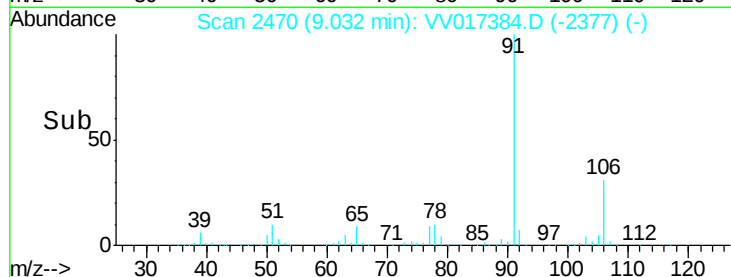
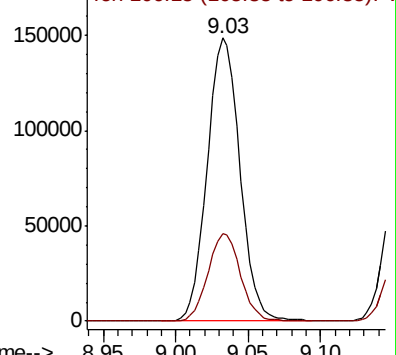
Ion Ratio Lower Upper

91 100

106 31.1 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV017384.D (-2377) (-)



#55

m,p-xylene

Concen: 4.703 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017384.D

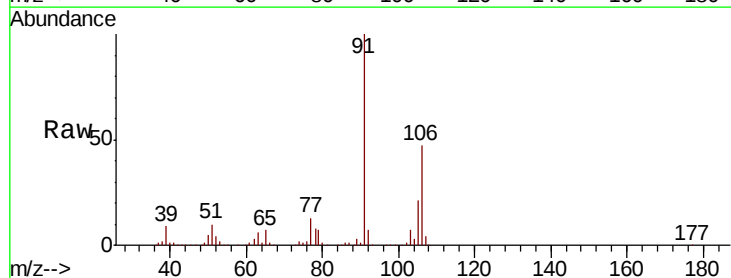
Acq: 07 Jul 2020 18:13

Tgt Ion: 106 Resp: 89735

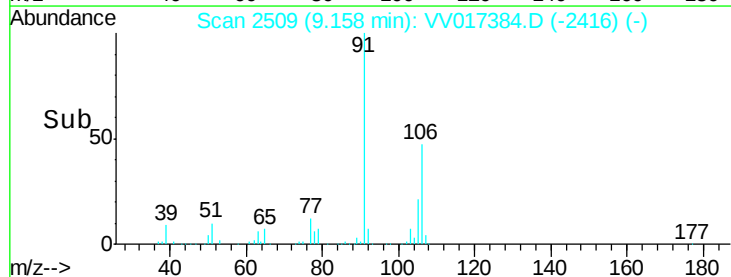
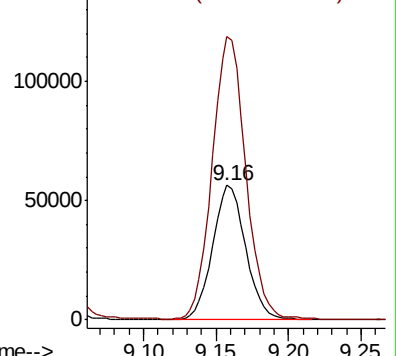
Ion Ratio Lower Upper

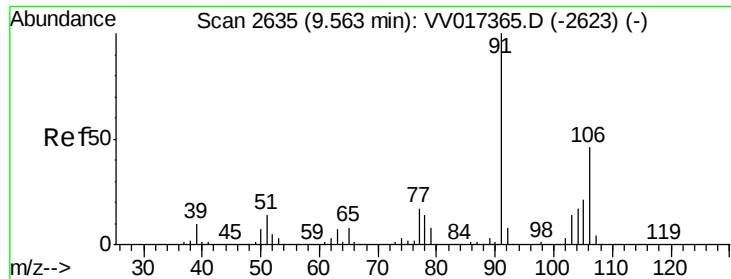
106 100

91 210.5 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): VV017384.D (-2416) (-)

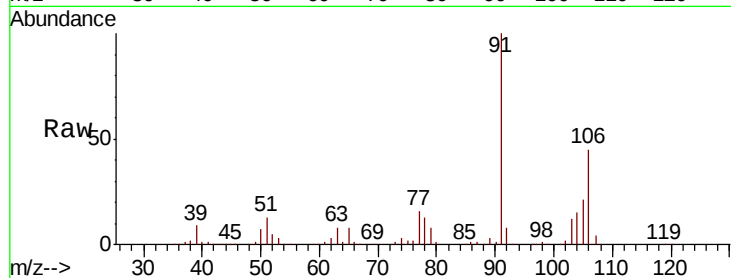




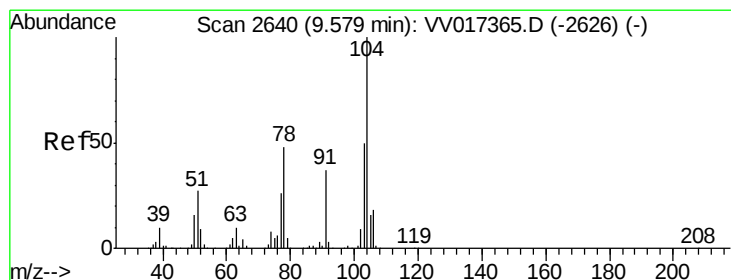
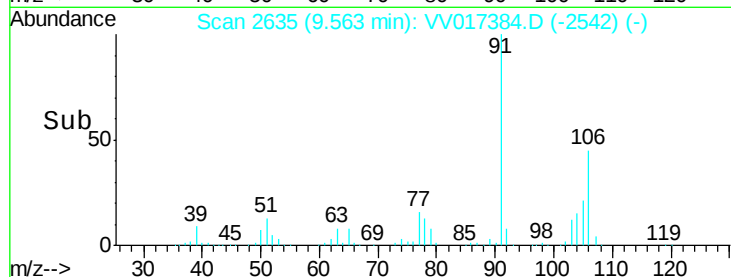
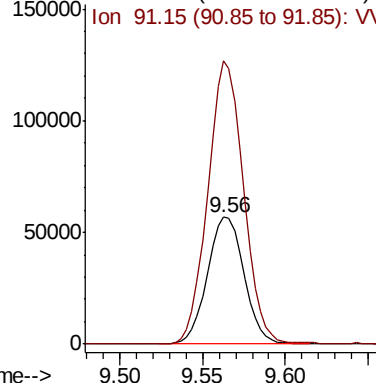
#56
o-xylene
Concen: 4.911 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 87443
Ion Ratio Lower Upper
106 100
91 222.8 153.6 285.2

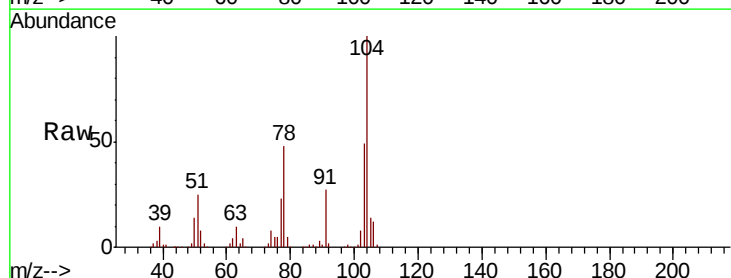


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

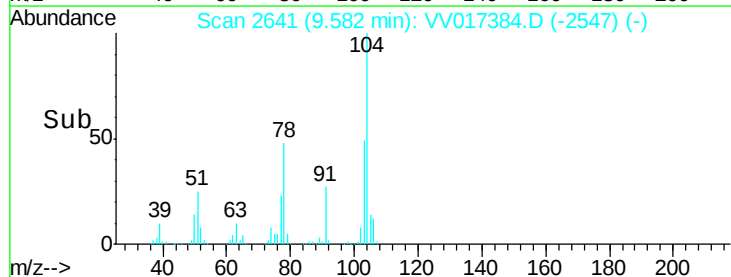
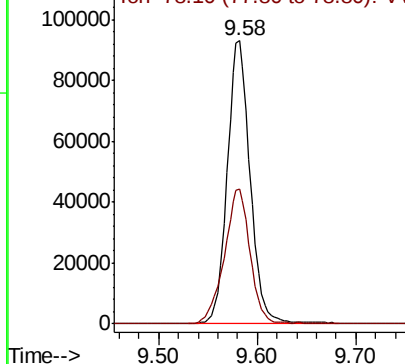


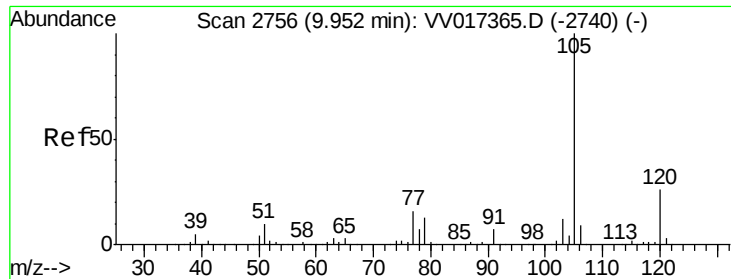
#57
Styrene
Concen: 5.143 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017384.D
Acq: 07 Jul 2020 18:13

Tgt Ion:104 Resp: 151745
Ion Ratio Lower Upper
104 100
78 47.5 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.036 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

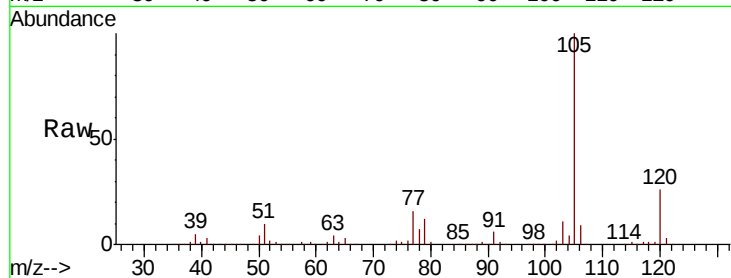
Tot Ion:105 Resp: 246782

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

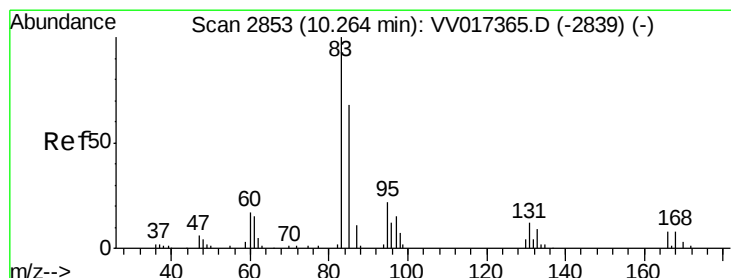
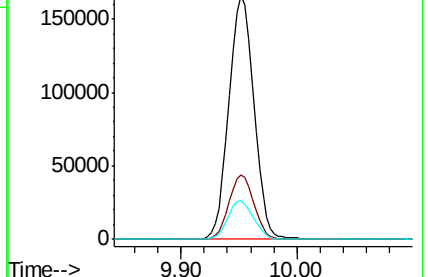
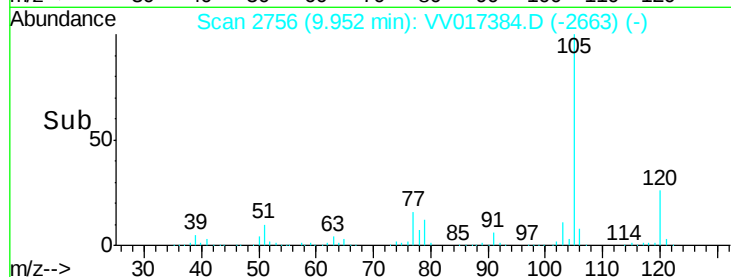
77 16.1 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.146 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

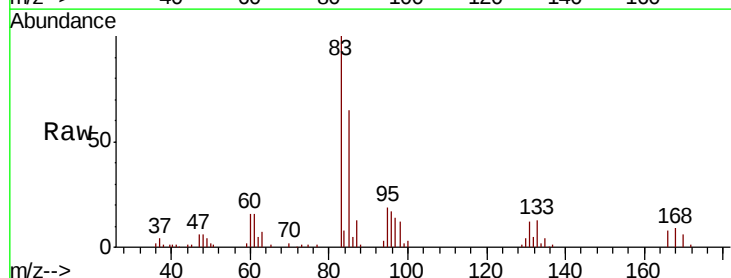
Tgt Ion: 83 Resp: 36637

Ion Ratio Lower Upper

83 100

85 64.9 42.9 79.7

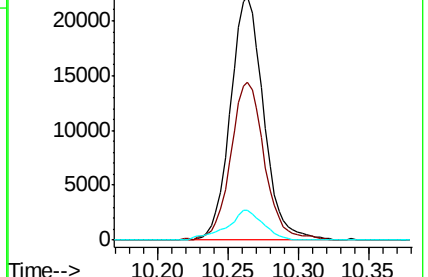
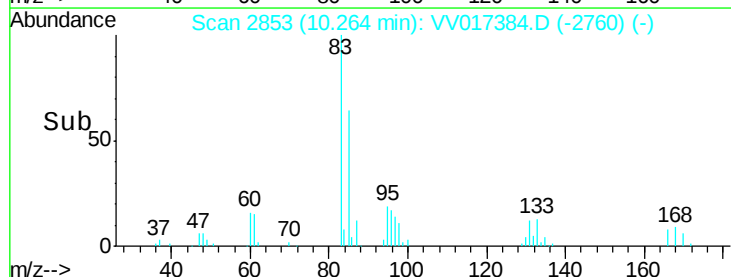
131 12.2 8.6 13.0

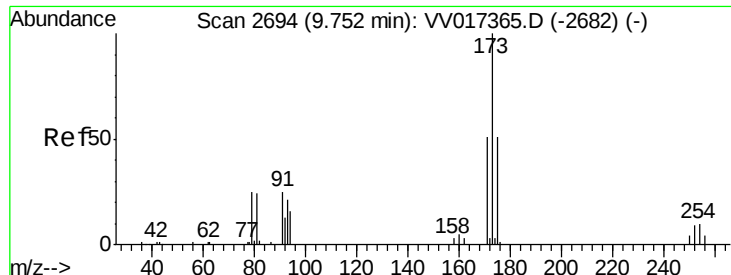


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.650 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

Instrument :
MSVOA_V
ClientSampleId :

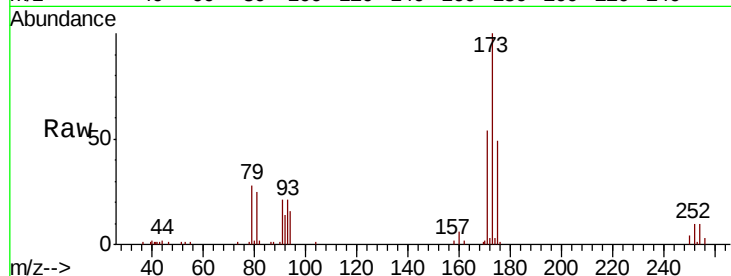
Tot Ion:173 Resp: 24675

Ion Ratio Lower Upper

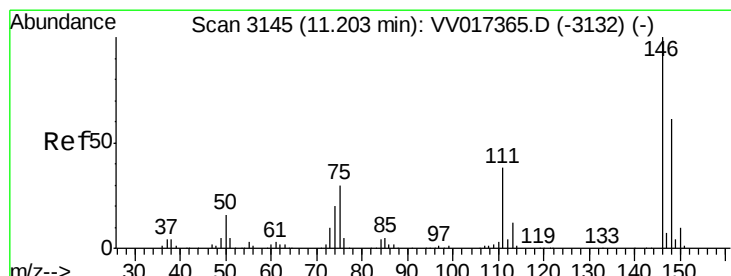
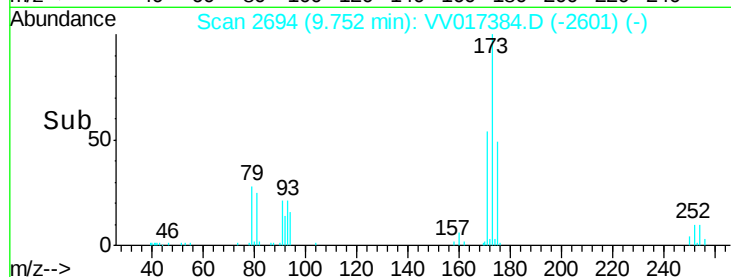
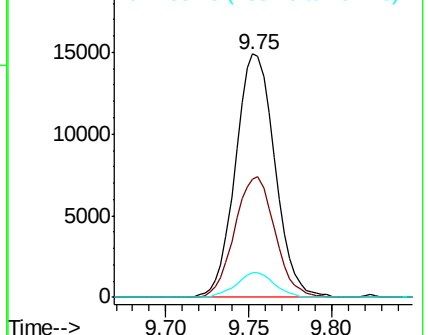
173 100

175 50.5 39.4 59.2

254 9.8 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.066 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

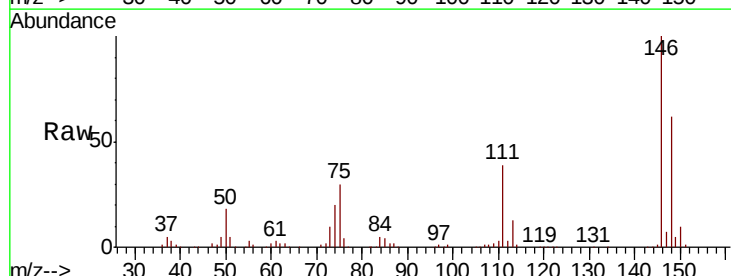
Tgt Ion:146 Resp: 124487

Ion Ratio Lower Upper

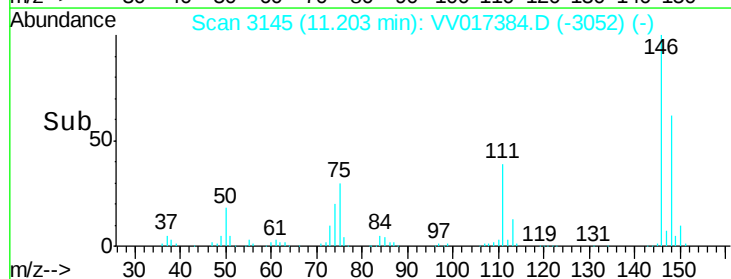
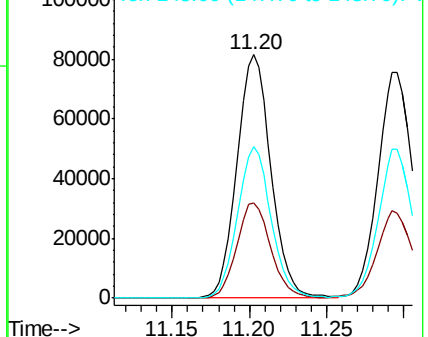
146 100

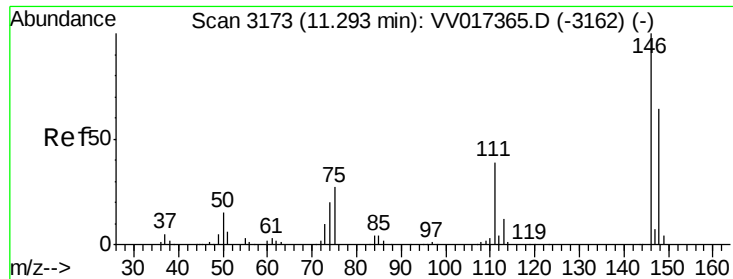
111 39.3 29.2 54.2

148 62.3 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.836 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

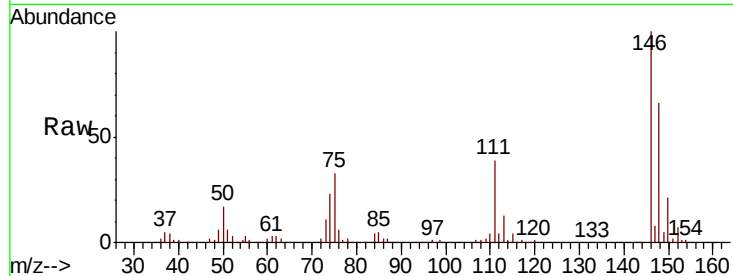
Tot Ion:146 Resp: 120778

Ion Ratio Lower Upper

146 100

111 38.5 27.4 50.8

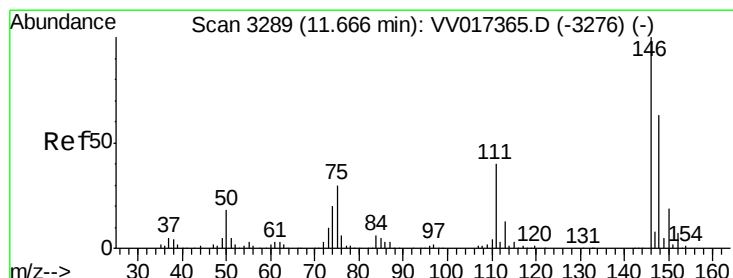
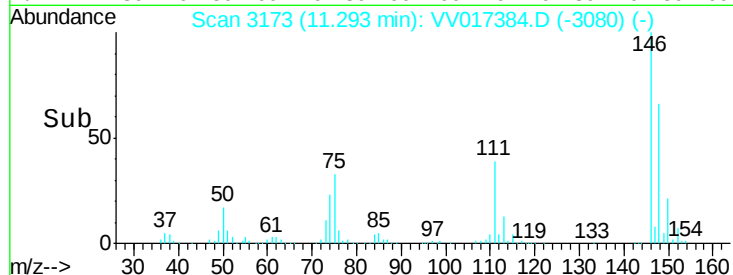
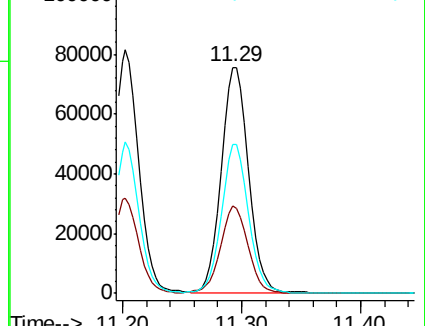
148 65.9 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 4.953 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017384.D

Acq: 07 Jul 2020 18:13

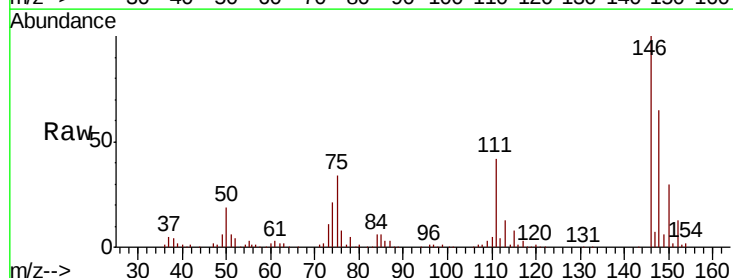
Tgt Ion:146 Resp: 110460

Ion Ratio Lower Upper

146 100

111 42.1 34.4 51.6

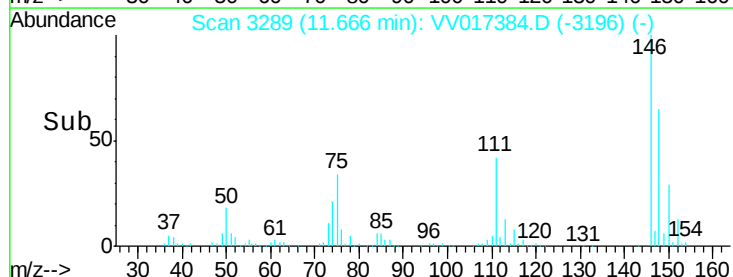
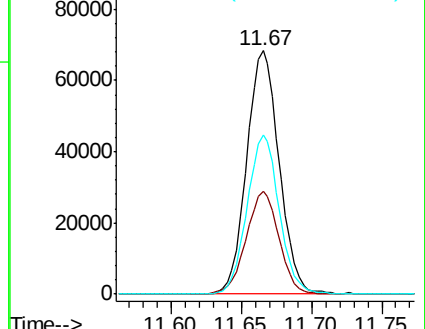
148 65.3 49.9 74.9

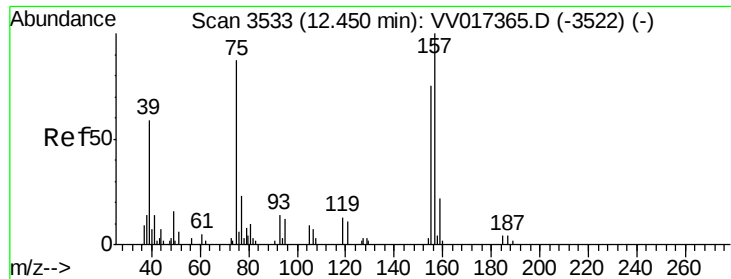


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

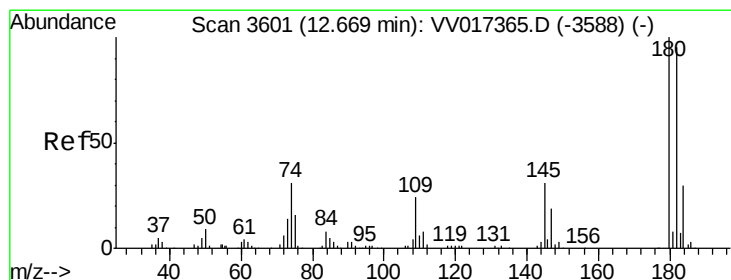
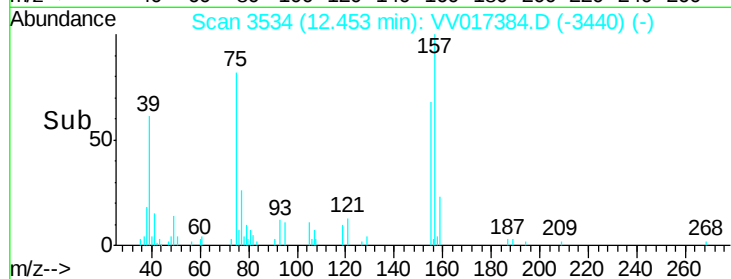
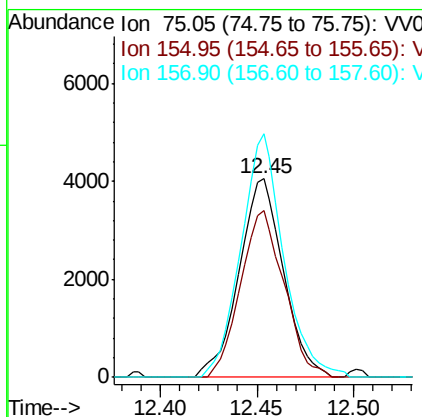
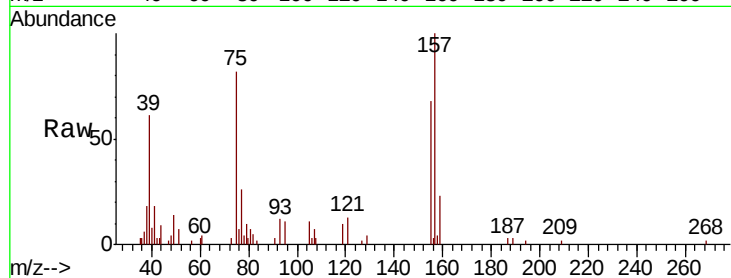




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.231 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

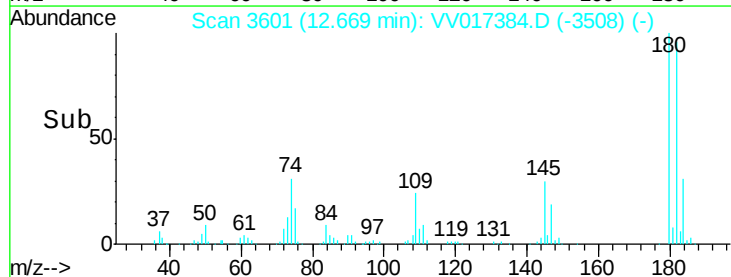
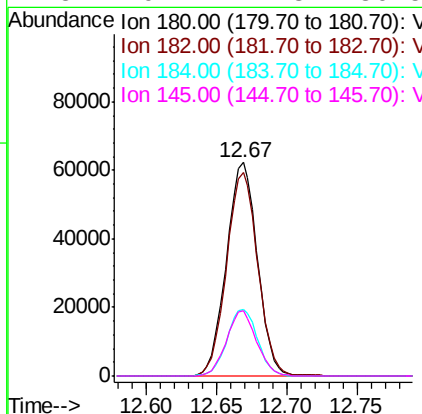
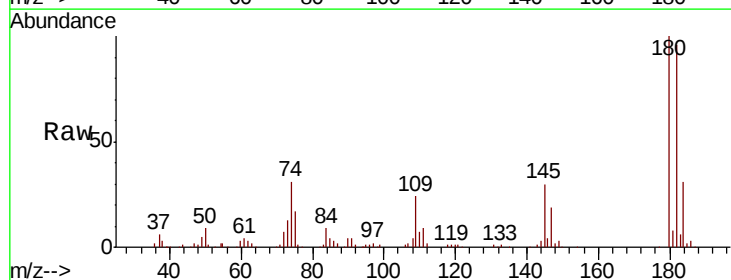
Instrument :
 MSVOA_V
 ClientSampleId :

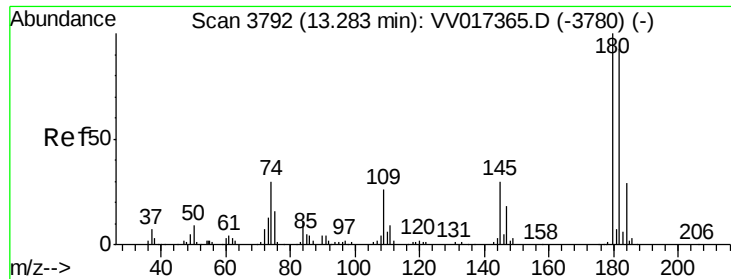
Tot Ion: 75 Resp: 6453
 Ion Ratio Lower Upper
 75 100
 155 83.9 71.1 106.7
 157 122.7 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 4.842 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

Tgt Ion:180 Resp: 95600
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.4 116.2
 184 30.8 24.2 36.4
 145 29.7 24.3 36.5

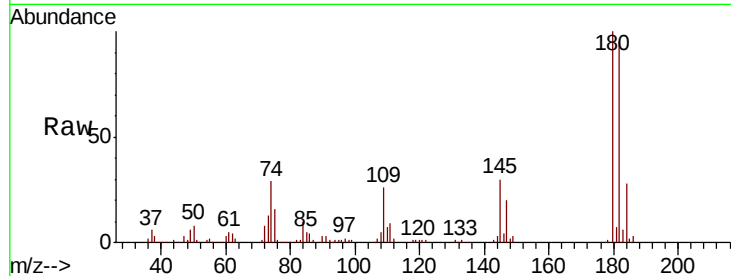




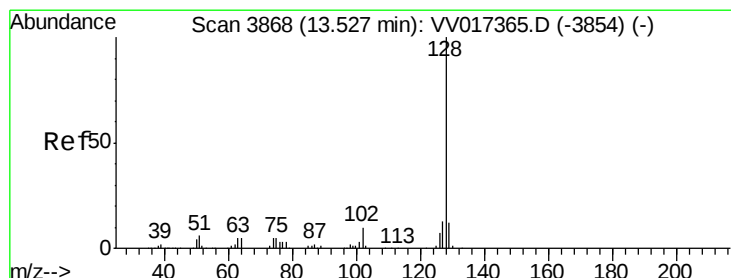
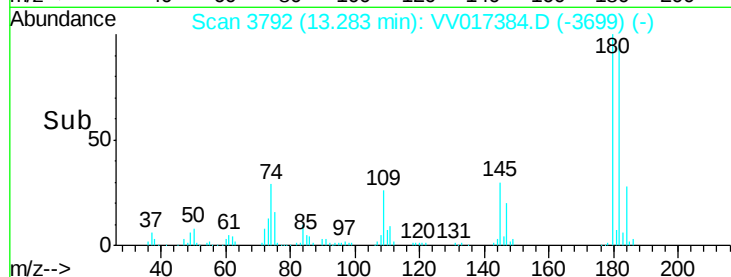
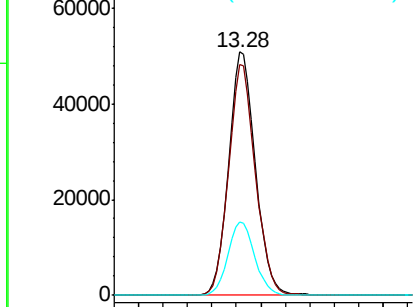
#69
 1,2,4-trichlorobenzene
 Concen: 4.794 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 77914
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.6 114.8
 145 30.3 25.0 37.6

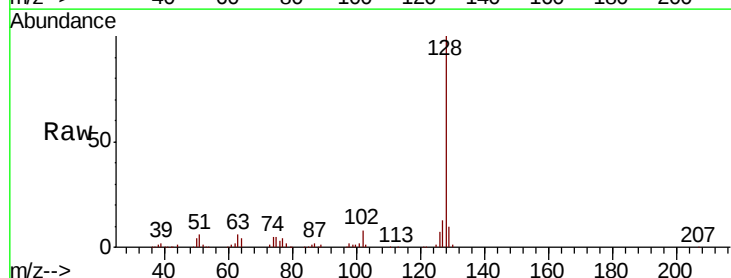


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

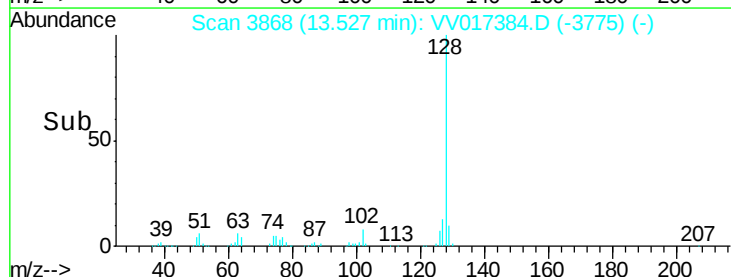
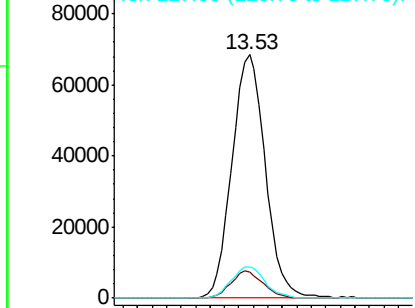


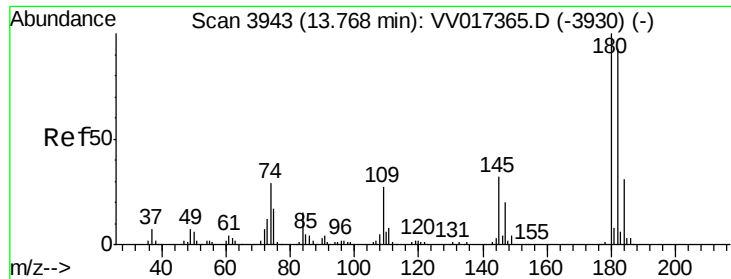
#70
 Naphthalene
 Concen: 4.770 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

Tgt Ion:128 Resp: 109467
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.8 13.2
 127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

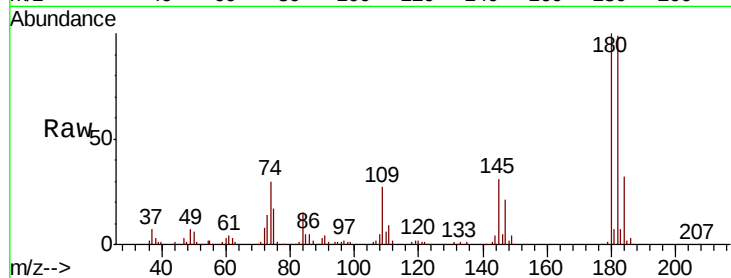




#71
 1,2,3-Trichlorobenzene
 Concen: 5.259 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017384.D
 Acq: 07 Jul 2020 18:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	94.2	77.4	116.0	
145	31.7	25.9	38.9	



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

