

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062620\
 Data File : VV017224.D
 Acq On : 27 Jun 2020 08:54
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 29 00:13:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 29 00:10:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	353776	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	338154	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175110	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102556	41.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.16%
7) Chloroethane-d5	1.58	69	65171	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.02%
11) 1,1-Dichloroethene-d2	2.13	63	207094	49.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.80%
21) 2-Butanone-d5	3.91	46	159231	86.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.18%
24) Chloroform-d	4.38	84	238586	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.06	65	164319	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
32) Benzene-d6	5.08	84	430642	44.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.36%
36) 1,2-Dichloropropane-d6	6.09	67	126630	41.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.34%
41) Toluene-d8	7.34	98	409172	45.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.48%
43) trans-1,3-Dichloropropene-	7.64	79	67688	42.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.54%
47) 2-Hexanone-d5	8.11	63	110543	83.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.45%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	175829	43.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.42%
64) 1,2-Dichlorobenzene-d4	11.65	152	168327	45.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	171375	61.101	ug/L 98
3) Chloromethane	1.25	50	127552	49.728	ug/L 100
5) Vinyl chloride	1.32	62	123848	49.100	ug/L 99
6) Bromomethane	1.53	94	57153	54.404	ug/L 96
8) Chloroethane	1.60	64	55644	44.660	ug/L 96
9) Trichlorofluoromethane	1.76	101	209337	55.459	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	97514	51.844	ug/L 99
12) 1,1-Dichloroethene	2.14	96	90777	51.699	ug/L 93
13) Acetone	2.19	43	107462	88.275	ug/L 99
14) Carbon disulfide	2.31	76	300140	47.211	ug/L 100
15) Methyl Acetate	2.45	43	113798	41.941	ug/L 97
16) Methylene chloride	2.52	84	112672	43.729	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	107366	44.847	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	357522	45.069	ug/L 98
19) 1,1-Dichloroethane	3.21	63	195615	43.408	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	116267	44.547	ug/L 99
22) 2-Butanone	3.99	43	153278	81.650	ug/L 99

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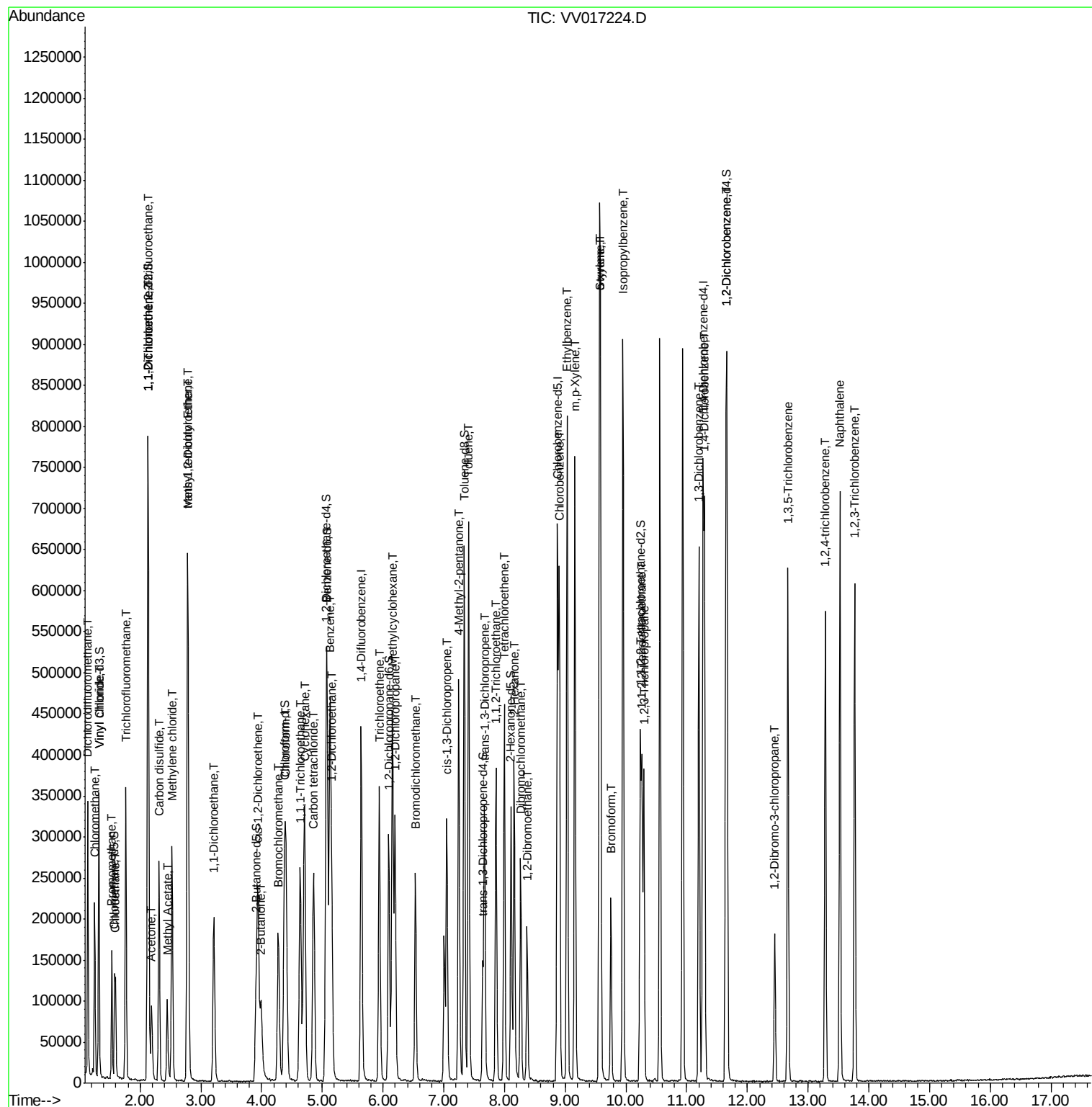
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	63705	46.334	uq/L	97
25) Chloroform	4.40	83	216826	46.818	uq/L	98
27) 1,2-Dichloroethane	5.16	62	189052	48.696	uq/L	97
29) Cyclohexane	4.71	56	173426	41.271	uq/L	96
30) 1,1,1-Trichloroethane	4.64	97	208265	48.294	uq/L	99
31) Carbon tetrachloride	4.86	117	186142	49.895	uq/L	100
33) Benzene	5.13	78	434155	43.394	uq/L	100
34) Trichloroethene	5.94	95	118654	44.219	uq/L	100
35) Methylcyclohexane	6.15	83	181335	43.077	uq/L	98
37) 1,2-Dichloropropane	6.20	63	109633	42.136	uq/L	98
38) Bromodichloromethane	6.53	83	162326	46.866	uq/L	100
39) cis-1,3-Dichloropropene	7.05	75	170175	42.106	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	308258	83.608	uq/L	98
42) Toluene	7.41	91	472119	44.763	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	173975	44.277	uq/L	98
45) 1,1,2-Trichloroethane	7.86	97	109770	43.729	uq/L	99
46) Tetrachloroethene	8.00	164	98180	46.523	uq/L	99
48) 2-Hexanone	8.16	43	239569	83.803	uq/L	98
49) Dibromochloromethane	8.27	129	131362	48.943	uq/L	100
50) 1,2-Dibromoethane	8.37	107	118666	45.142	uq/L	99
51) Chlorobenzene	8.90	112	311115	45.212	uq/L	99
52) Ethylbenzene	9.03	91	536009	45.882	uq/L	99
53) m,p-Xylene	9.16	106	198436	45.620	uq/L	97
54) o-xylene	9.56	106	198148	46.189	uq/L	99
55) Styrene	9.58	104	342152	47.174	uq/L	99
56) Isopropylbenzene	9.95	105	530828	46.051	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	167717	43.577	uq/L	97
59) 1,2,3-Trichloropropane	10.30	75	141127	43.716	uq/L	98
61) Bromoform	9.75	173	94853	52.662	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	248148	44.741	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	251486	44.565	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	253805	45.663	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	42642	48.791	uq/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	182808	44.201	uq/L	98
68) 1,2,4-trichlorobenzene	13.28	180	165739	43.690	uq/L	99
69) Naphthalene	13.52	128	528687	48.450	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	173656	46.785	uq/L	99

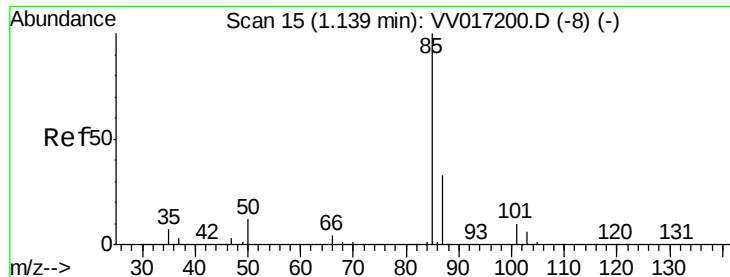
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 61.101 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

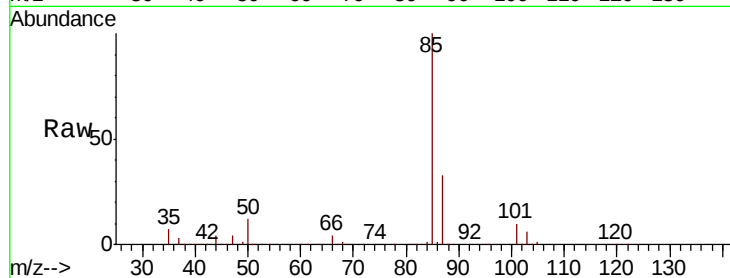
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 171375

Ion Ratio Lower Upper

85 100

87 32.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV017200.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV017200.D (-8) (-)

1.14

200000

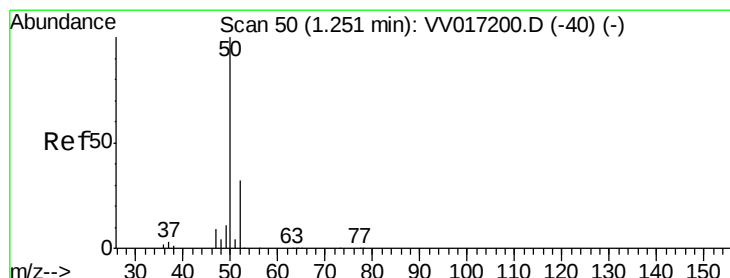
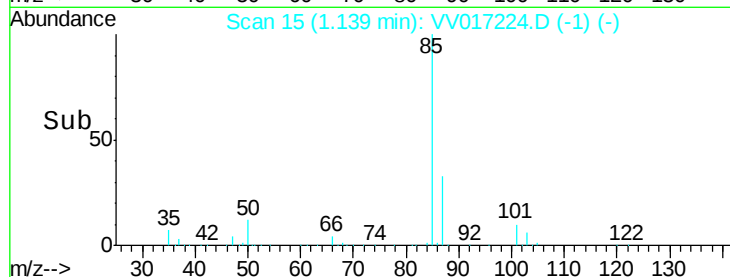
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.728 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV017224.D

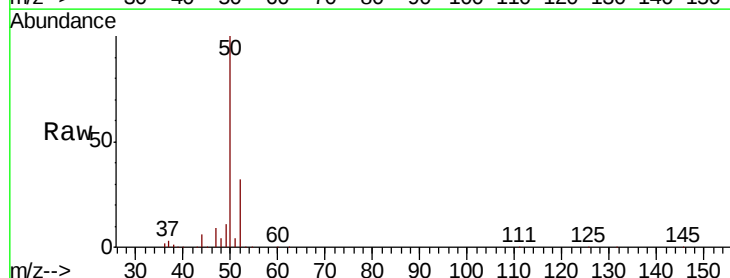
Acq: 27 Jun 2020 08:54

Tgt Ion: 50 Resp: 127552

Ion Ratio Lower Upper

50 100

52 32.3 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV017200.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV017200.D (-40) (-)

1.25

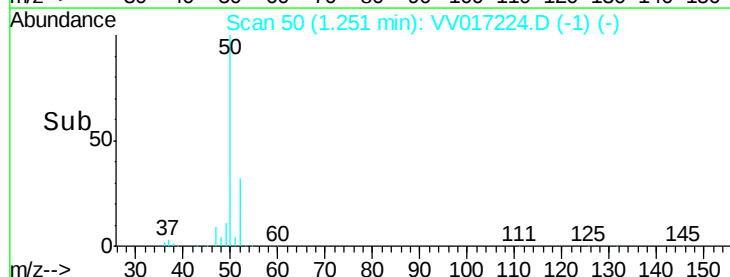
150000

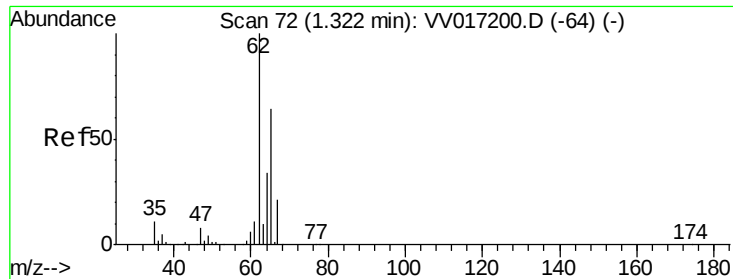
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.100 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

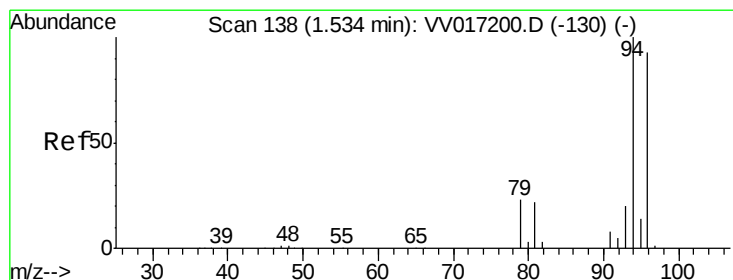
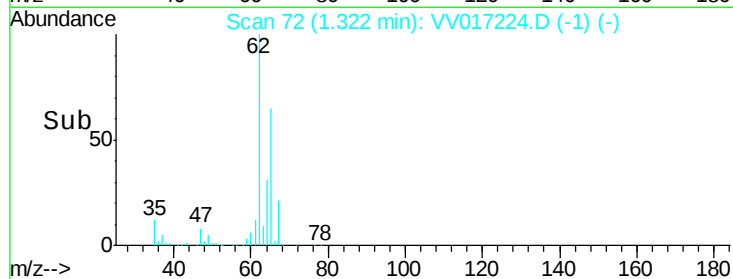
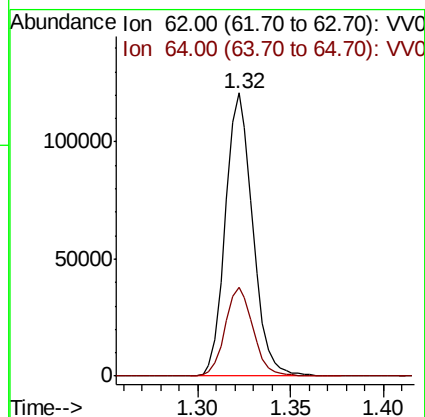
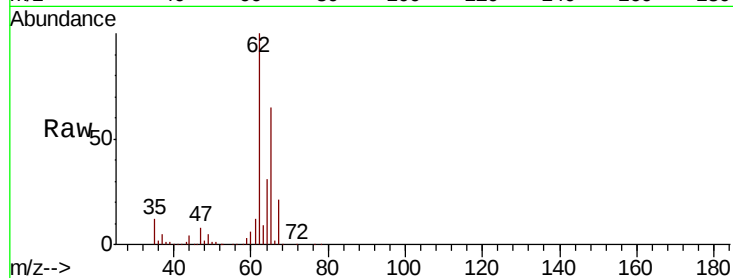
ClientSampled :

Tot Ion: 62 Resp: 123848

Ion Ratio Lower Upper

62 100

64 31.4 22.3 41.5



#6

Bromomethane

Concen: 54.404 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV017224.D

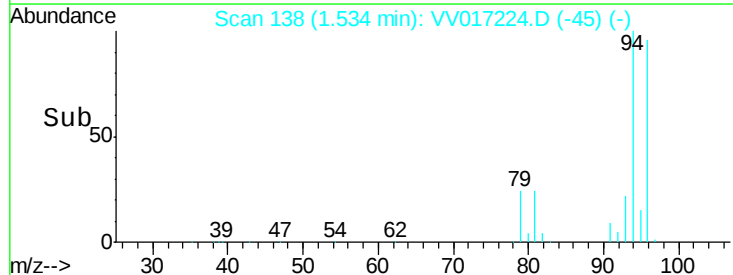
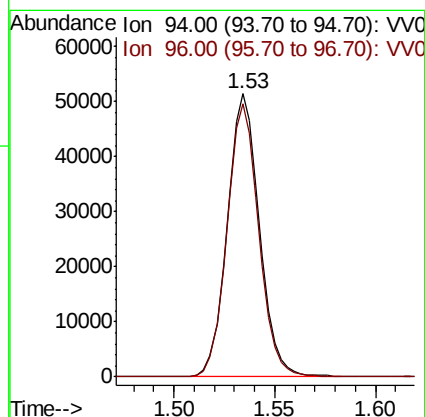
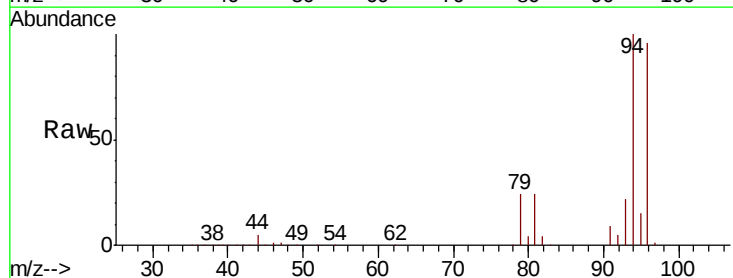
Acq: 27 Jun 2020 08:54

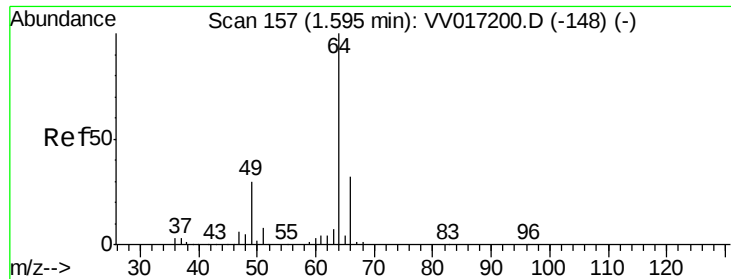
Tgt Ion: 94 Resp: 57153

Ion Ratio Lower Upper

94 100

96 96.4 64.5 119.9





#8

Chloroethane

Concen: 44.660 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

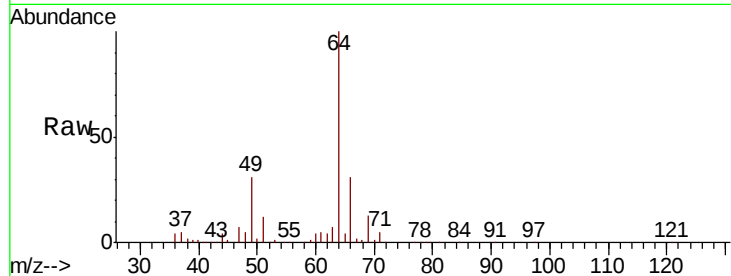
ClientSampled :

Tot Ion: 64 Resp: 55644

Ion Ratio Lower Upper

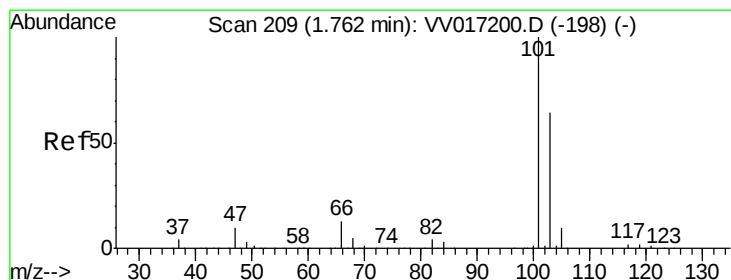
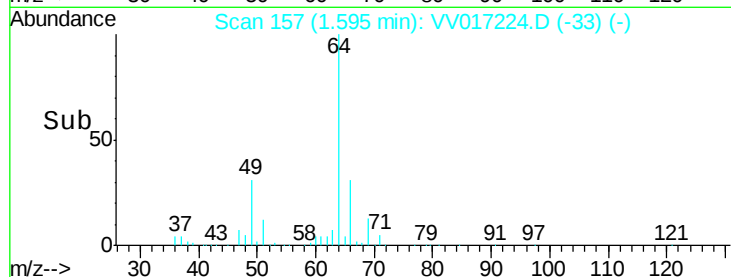
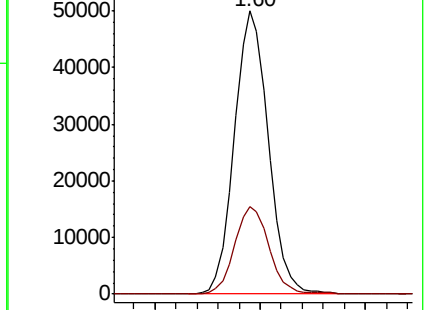
64 100

66 31.0 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV017224.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV017224.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 55.459 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017224.D

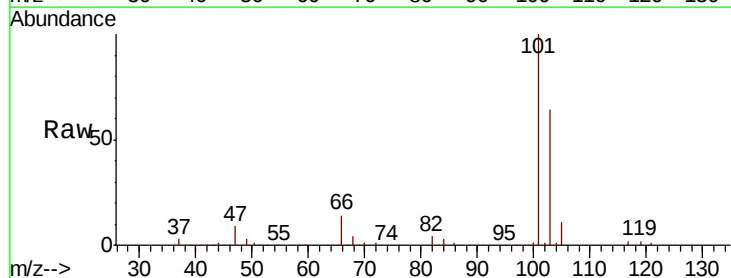
Acq: 27 Jun 2020 08:54

Tgt Ion: 101 Resp: 209337

Ion Ratio Lower Upper

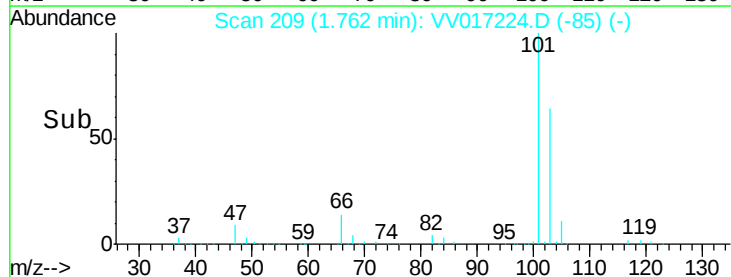
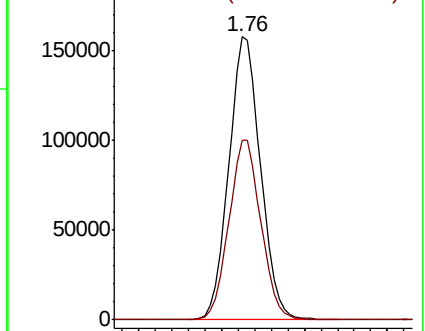
101 100

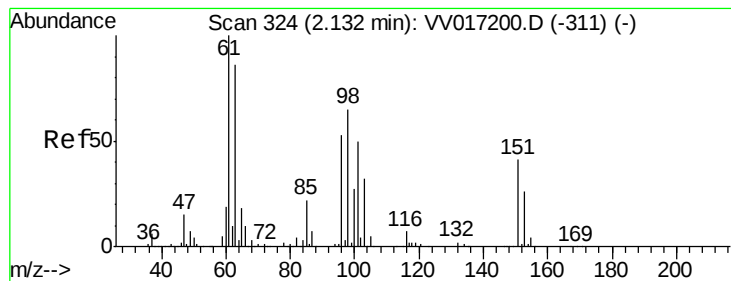
103 64.2 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV017224.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017224.D (-198) (-)





#10

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

Concen: 51.844 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

ClientSampleId :

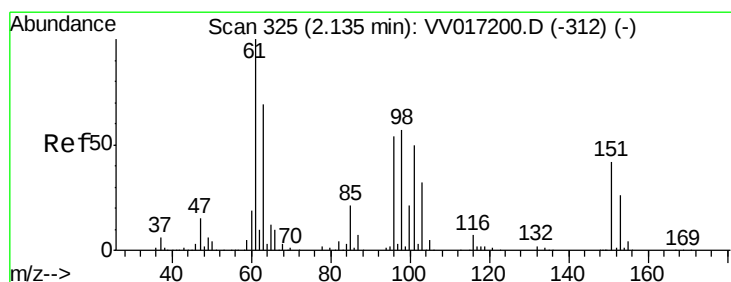
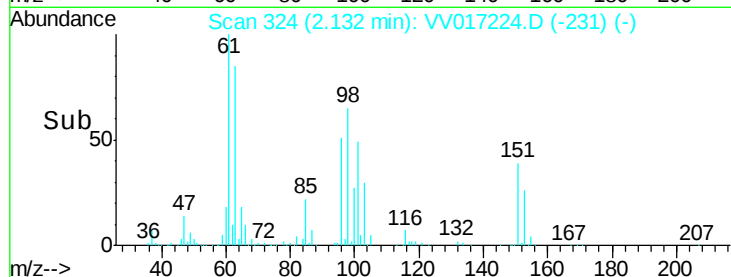
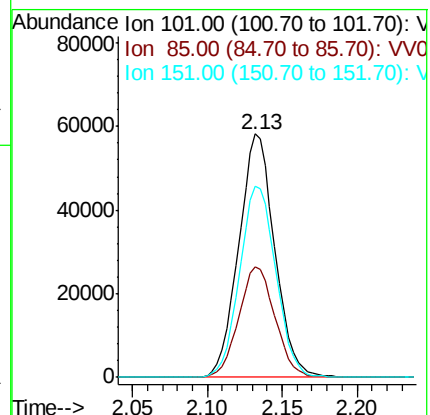
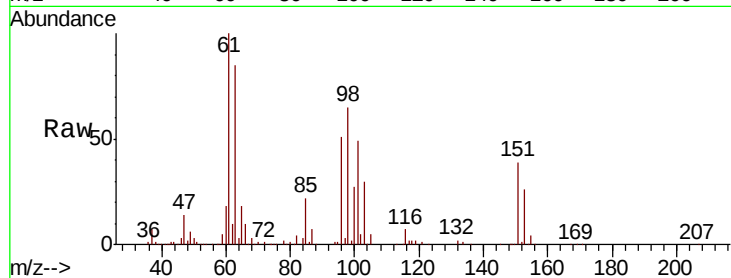
Tot Ion:101 Resp: 97514

Ion Ratio Lower Upper

101 100

85 45.7 35.5 53.3

151 78.9 63.9 95.9



#12

1,1-Dichloroethene

Concen: 51.699 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

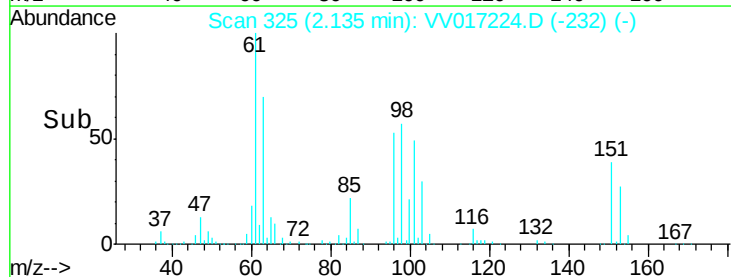
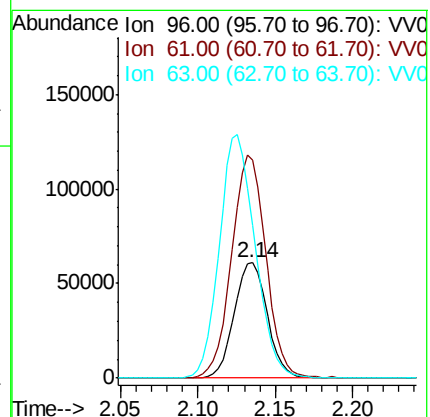
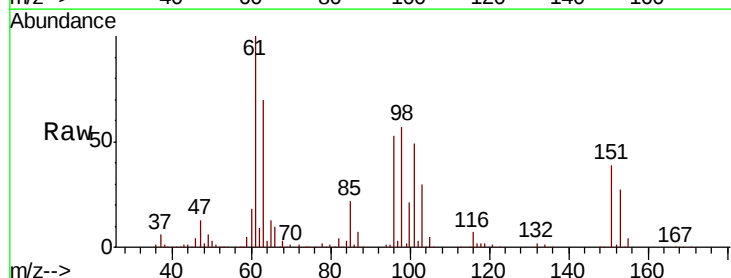
Tgt Ion: 96 Resp: 90777

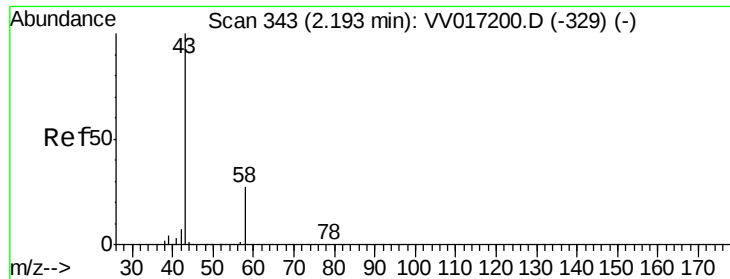
Ion Ratio Lower Upper

96 100

61 189.1 130.4 242.2

63 132.0 103.3 191.9





#13

Acetone

Concen: 88.275 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

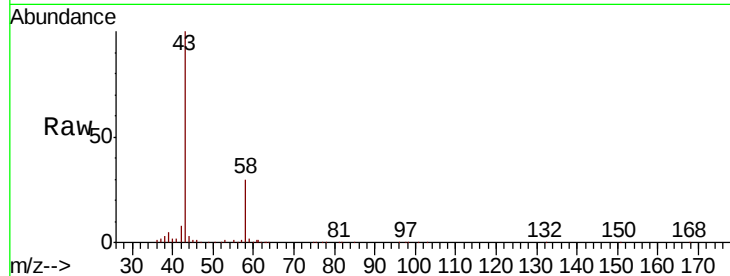
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 107462

Ion Ratio Lower Upper

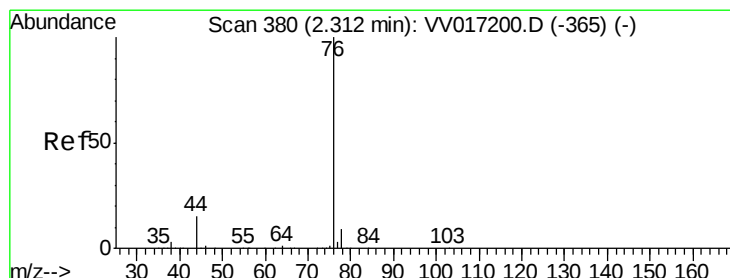
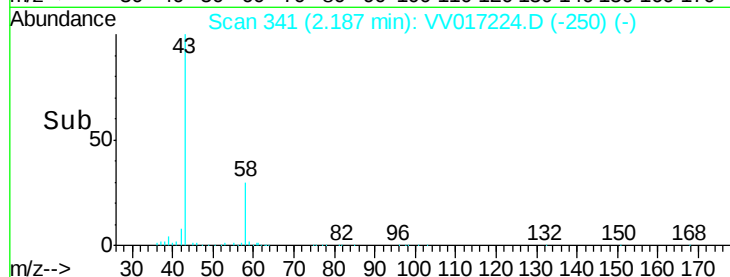
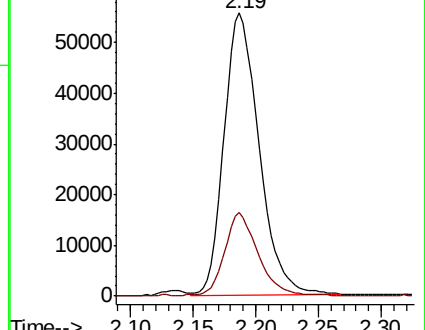
43 100

58 27.3 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV017224.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV017224.D (-250) (-)



#14

Carbon disulfide

Concen: 47.211 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV017224.D

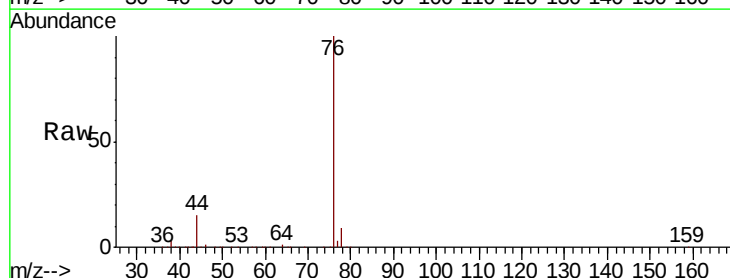
Acq: 27 Jun 2020 08:54

Tgt Ion: 76 Resp: 300140

Ion Ratio Lower Upper

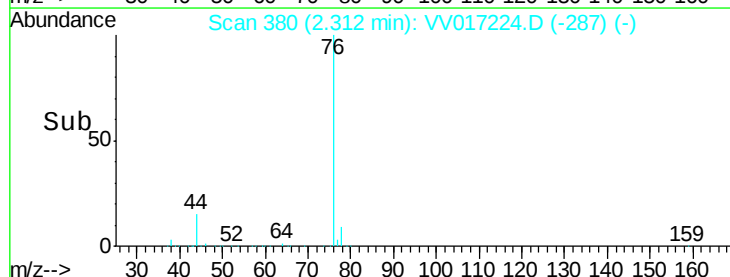
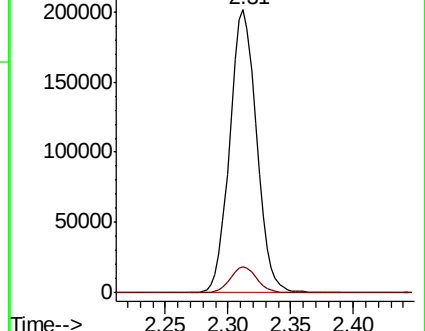
76 100

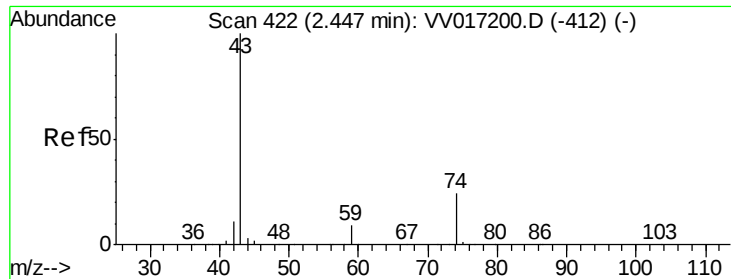
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV017224.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV017224.D (-287) (-)





#15

Methyl Acetate

Concen: 41.941 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

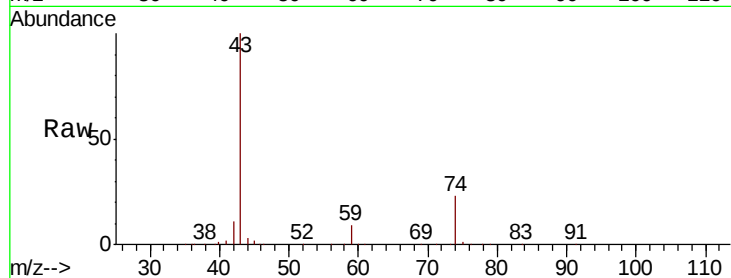
ClientSampled :

Tot Ion: 43 Resp: 113798

Ion Ratio Lower Upper

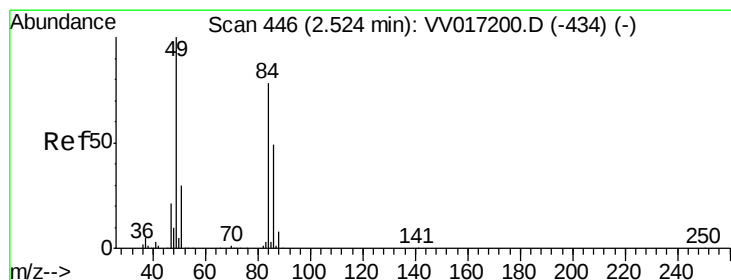
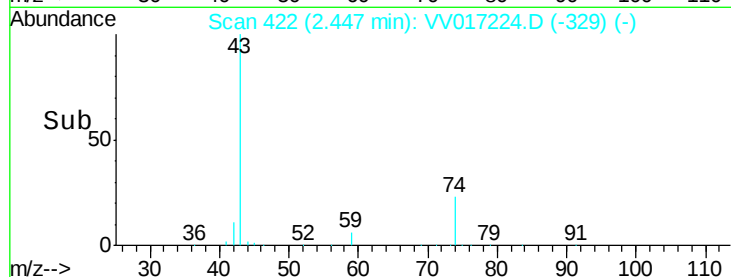
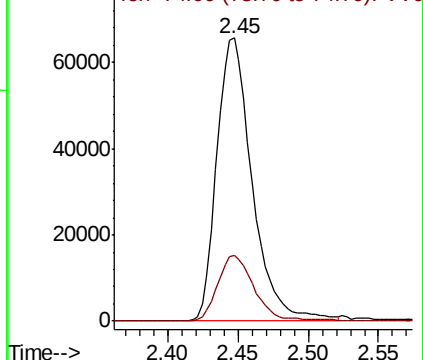
43 100

74 23.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 43.729 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

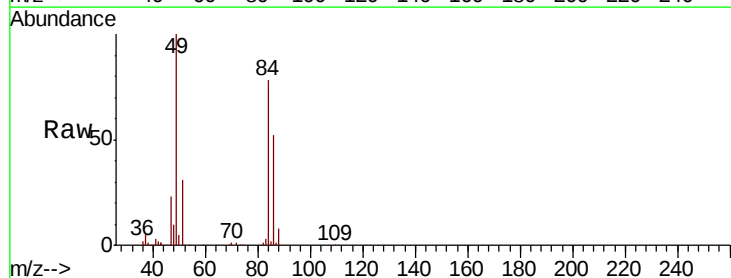
Tgt Ion: 84 Resp: 112672

Ion Ratio Lower Upper

84 100

86 65.9 44.0 81.8

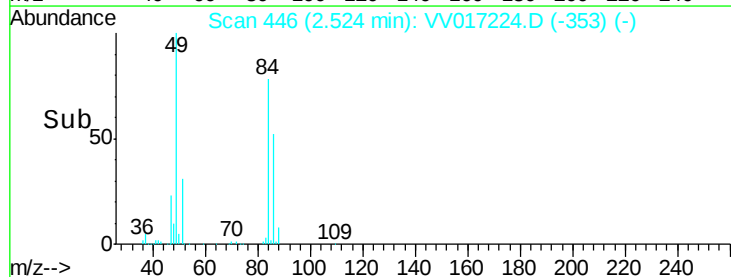
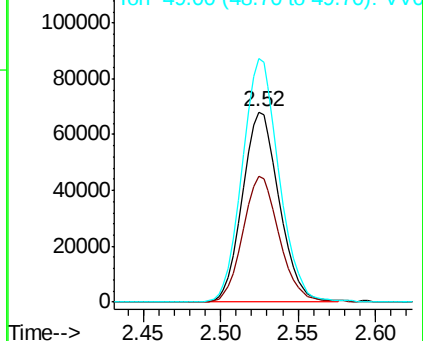
49 127.9 90.9 168.9

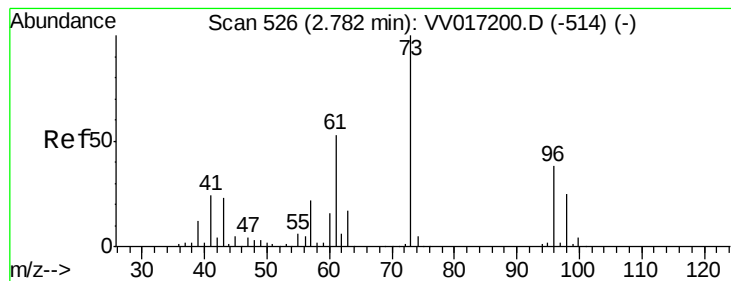


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 44.847 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :
MSVOA_V
ClientSampled :

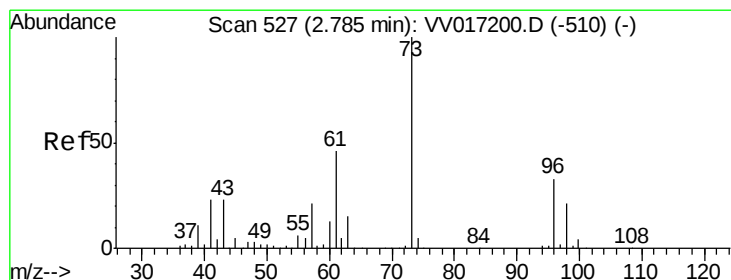
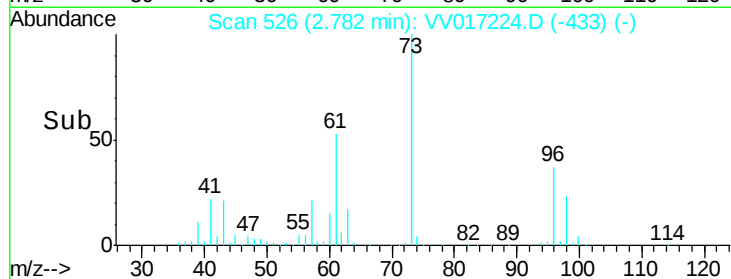
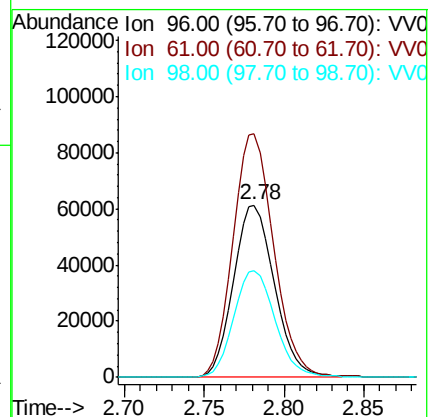
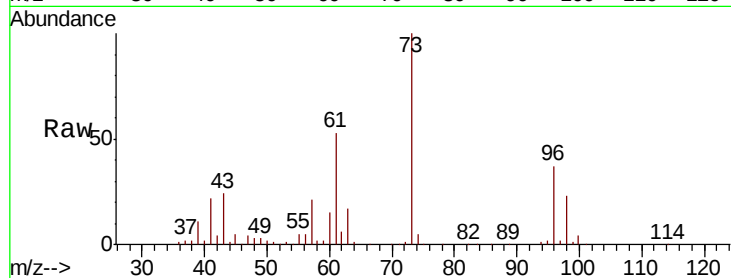
Tot Ion: 96 Resp: 107366

Ion Ratio Lower Upper

96 100

61 141.6 102.9 191.1

98 62.3 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 45.069 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

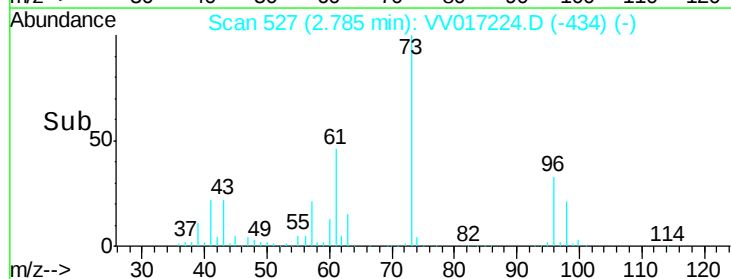
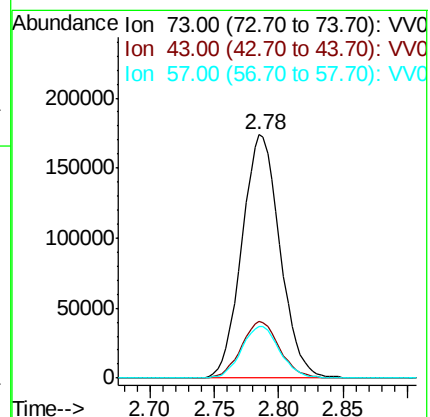
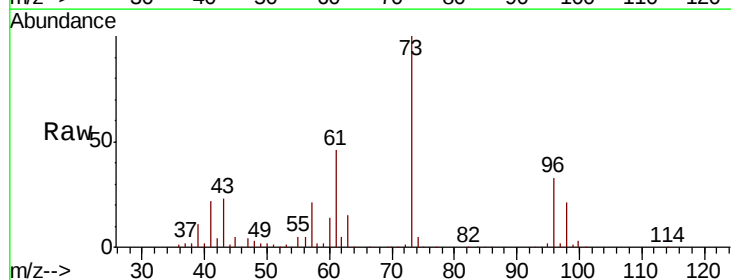
Tgt Ion: 73 Resp: 357522

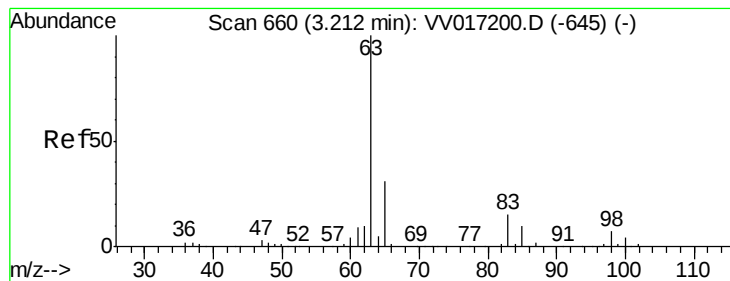
Ion Ratio Lower Upper

73 100

43 23.1 17.8 26.6

57 21.3 17.7 26.5





#19

1,1-Dichloroethane

Concen: 43.408 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

ClientSampled :

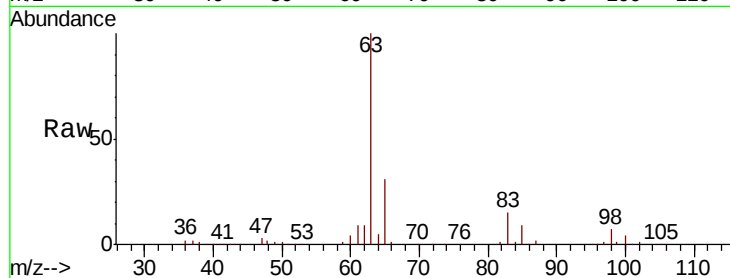
Tot Ion: 63 Resp: 195615

Ion Ratio Lower Upper

63 100

65 31.1 23.2 43.0

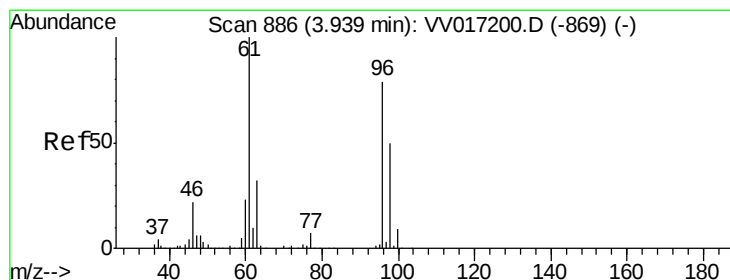
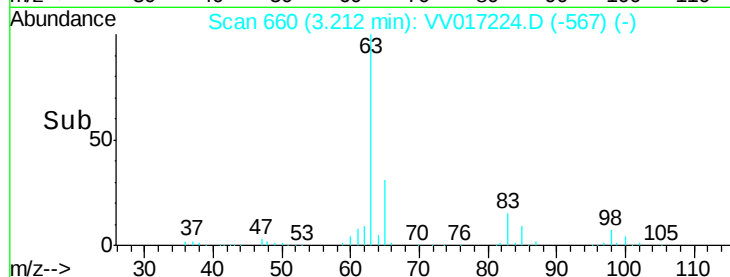
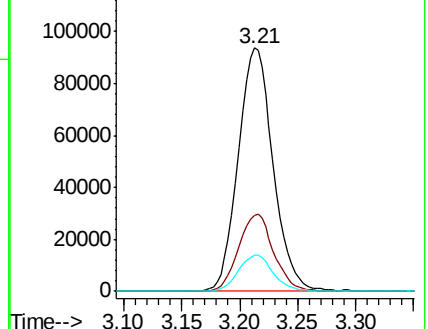
83 14.8 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 44.547 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

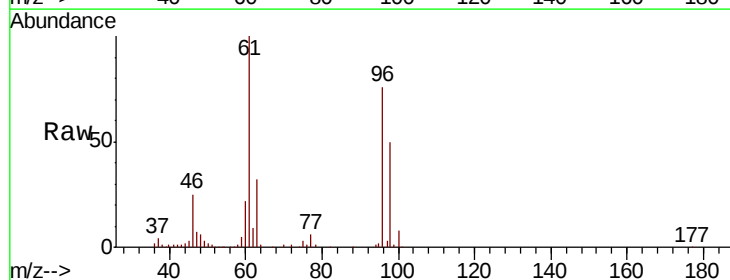
Tgt Ion: 96 Resp: 116267

Ion Ratio Lower Upper

96 100

61 131.8 93.4 173.4

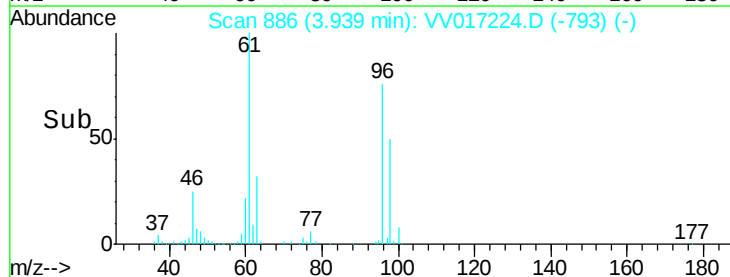
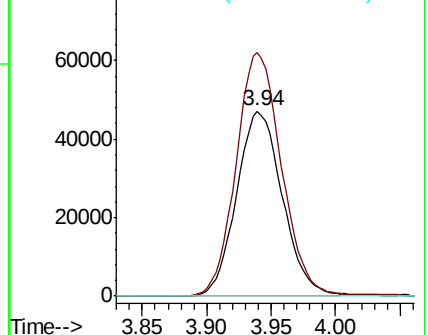
68 0.0 0.0 0.0

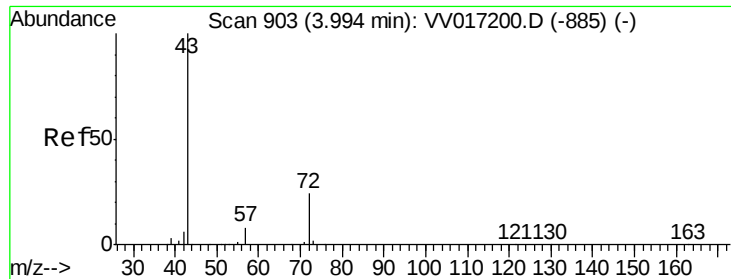


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 81.650 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

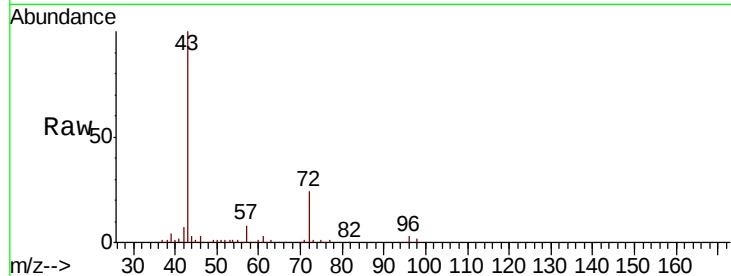
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 153278

Ion Ratio Lower Upper

43 100

72 24.4 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV017200.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017200.D (-885) (-)

3.99

60000

50000

40000

30000

20000

10000

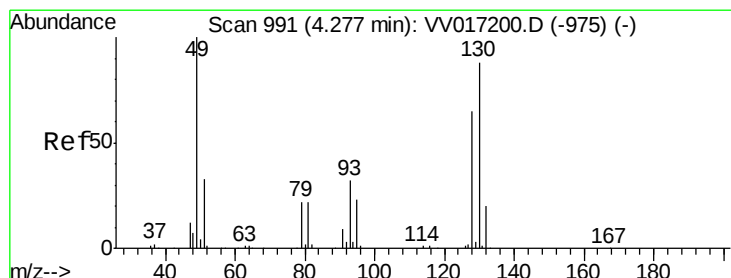
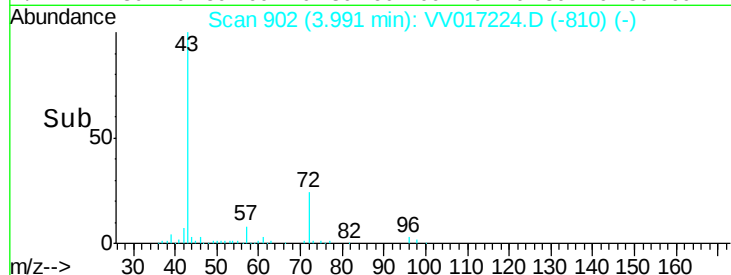
0

3.90

4.00

4.10

Time-->



#23

Bromochloromethane

Concen: 46.334 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Tgt Ion:128 Resp: 63705

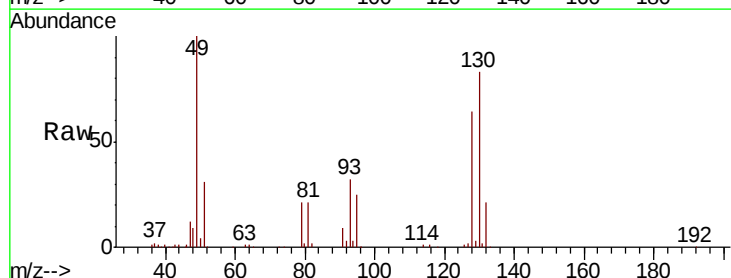
Ion Ratio Lower Upper

128 100

49 155.4 111.9 207.9

130 128.9 91.5 169.9

51 48.2 42.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): VV017200.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017200.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017200.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017200.D (-975) (-)

60000

50000

40000

30000

20000

10000

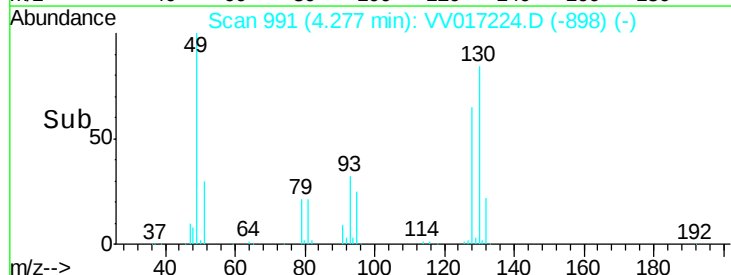
0

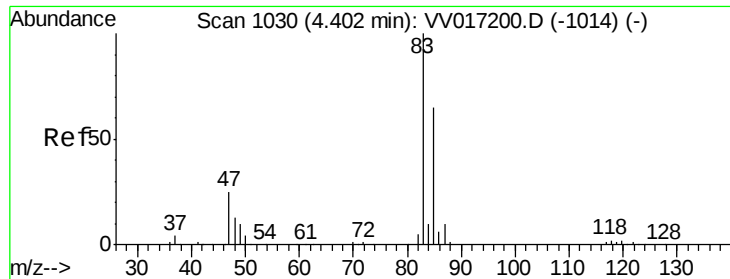
4.20

4.30

4.40

Time-->

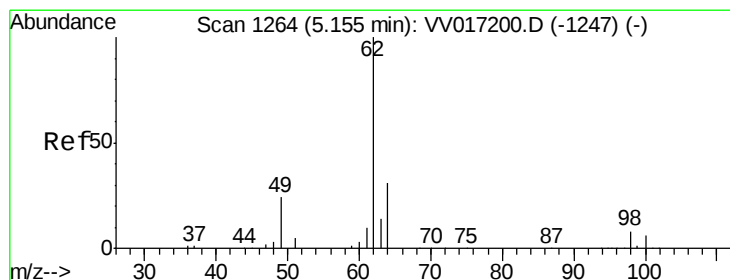
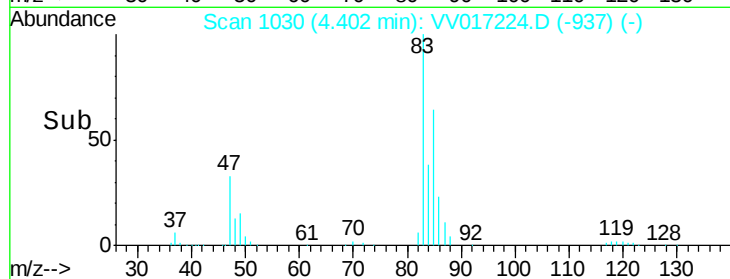
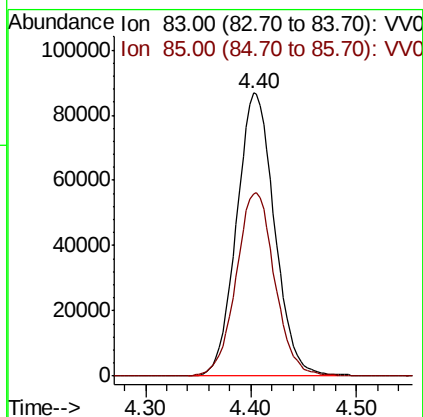
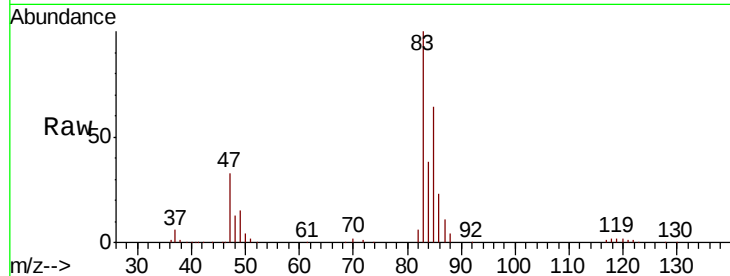




#25
Chloroform
Concen: 46.818 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017224.D
Acq: 27 Jun 2020 08:54

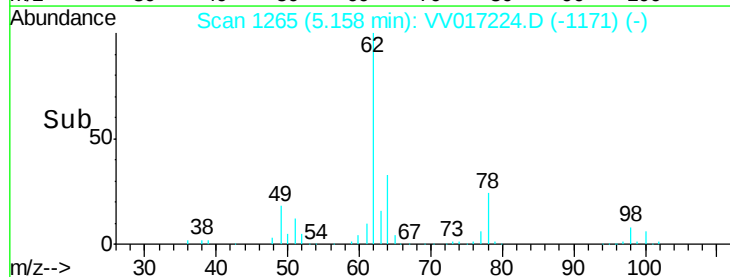
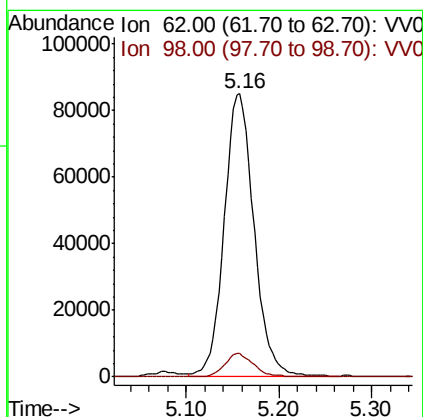
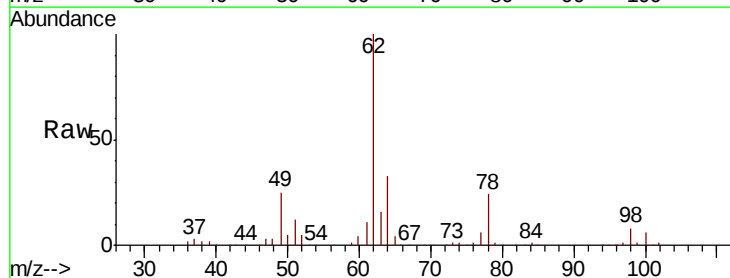
Instrument :
MSVOA_V
ClientSampleId :

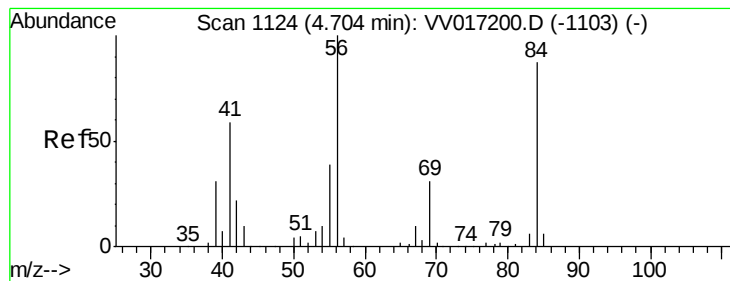
Tot Ion: 83 Resp: 216826
Ion Ratio Lower Upper
83 100
85 64.4 44.1 81.9



#27
1,2-Dichloroethane
Concen: 48.696 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017224.D
Acq: 27 Jun 2020 08:54

Tgt Ion: 62 Resp: 189052
Ion Ratio Lower Upper
62 100
98 8.2 7.4 11.2





#29

Cyclohexane

Concen: 41.271 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :
MSVOA_V
ClientSampled :

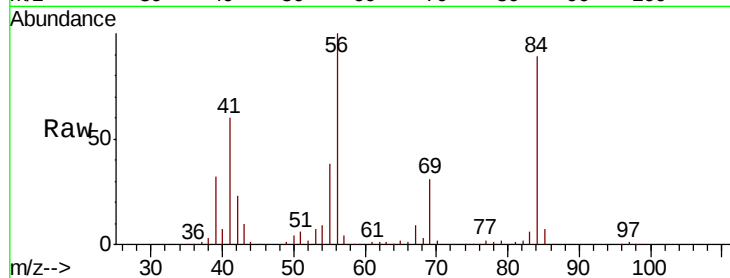
Tot Ion: 56 Resp: 173426

Ion Ratio Lower Upper

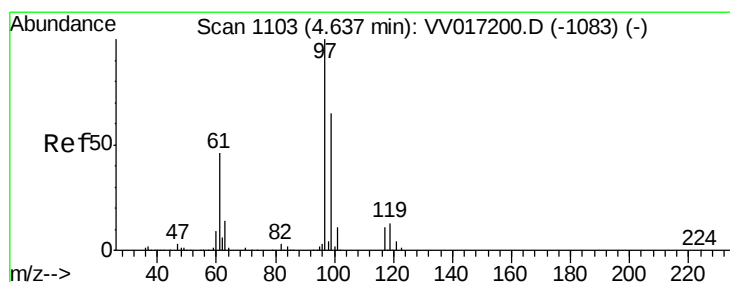
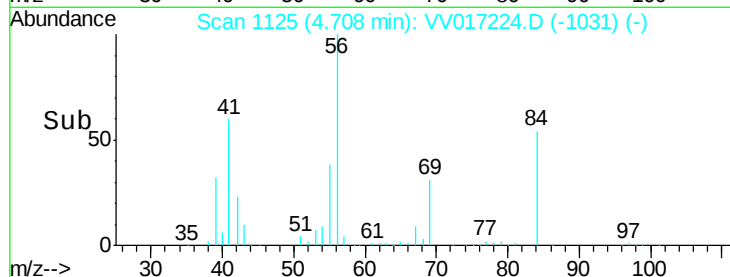
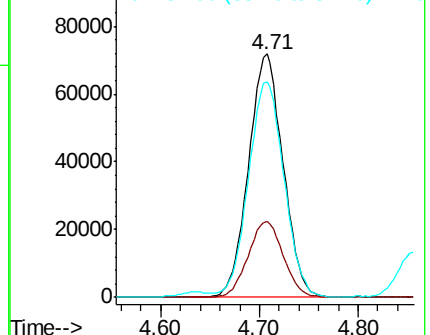
56 100

69 31.9 25.0 37.4

84 91.1 69.5 104.3



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



#30

1,1,1-Trichloroethane

Concen: 48.294 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

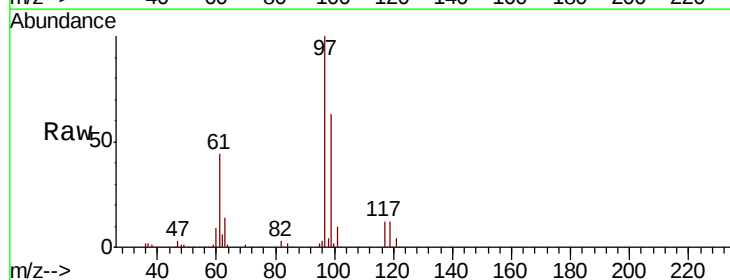
Tgt Ion: 97 Resp: 208265

Ion Ratio Lower Upper

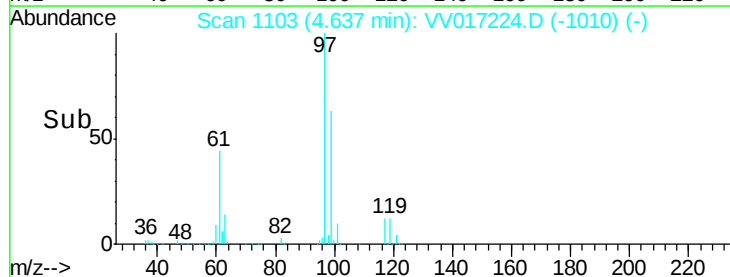
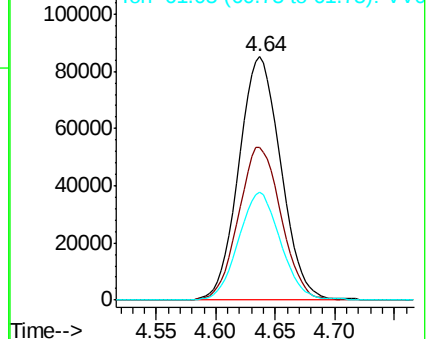
97 100

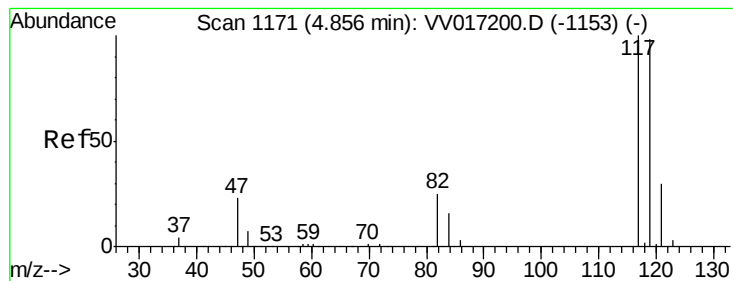
99 63.7 51.3 76.9

61 44.1 36.7 55.1



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





#31

Carbon tetrachloride

Concen: 49.895 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

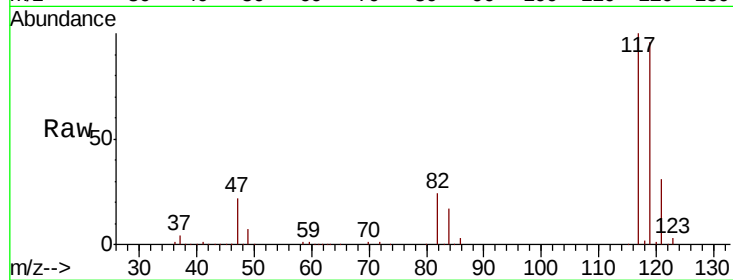
ClientSampleId :

Tot Ion:117 Resp: 186142

Ion Ratio Lower Upper

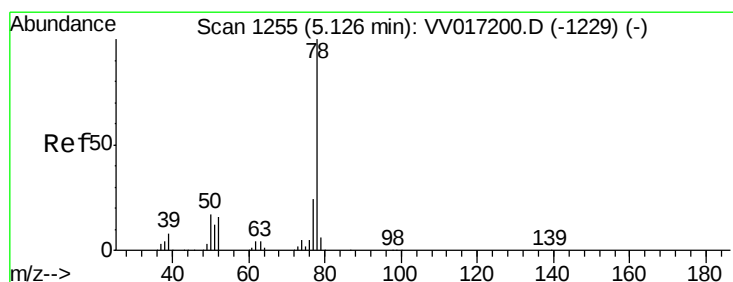
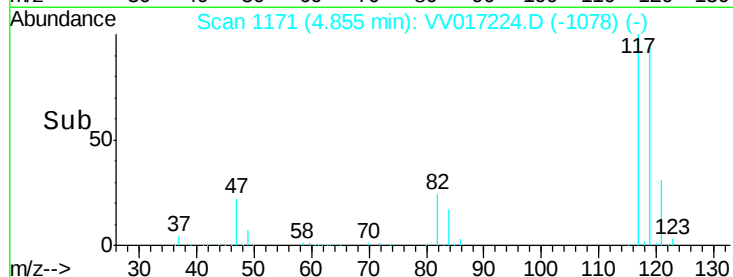
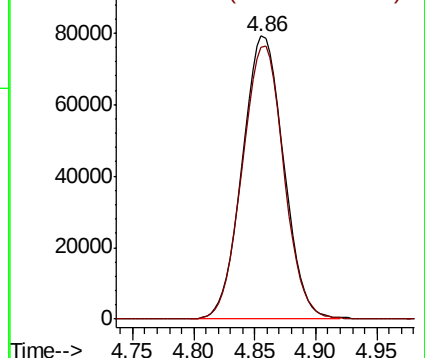
117 100

119 96.8 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 43.394 ug/L

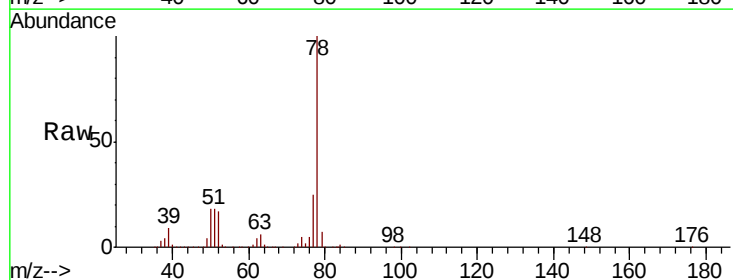
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

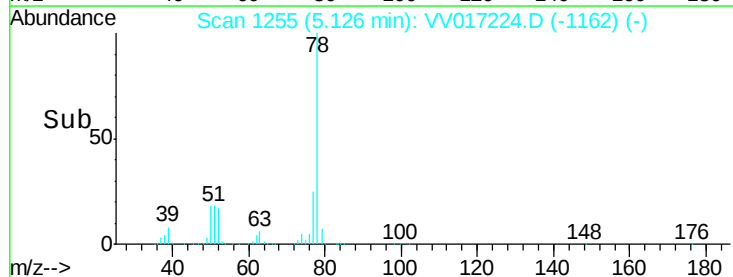
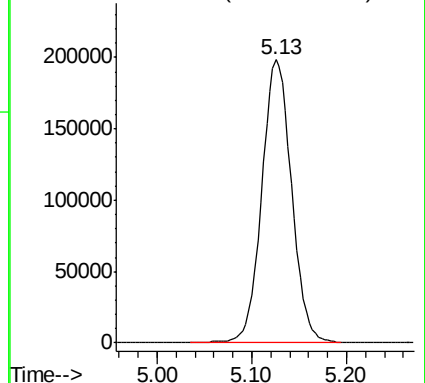
Lab File: VV017224.D

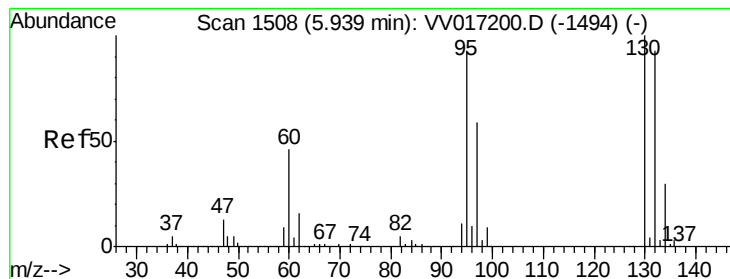
Acq: 27 Jun 2020 08:54

Tgt Ion: 78 Resp: 434155



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 44.219 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 118654

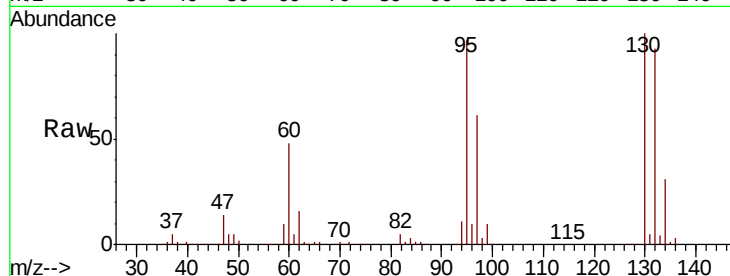
Ion Ratio Lower Upper

95 100

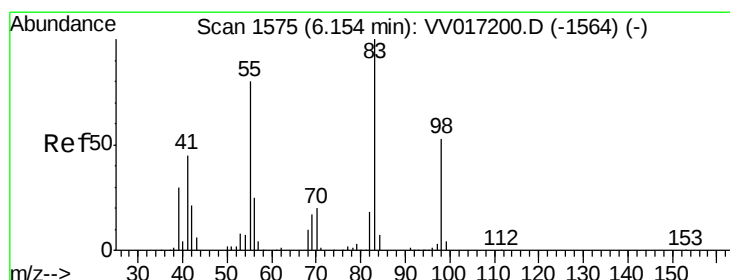
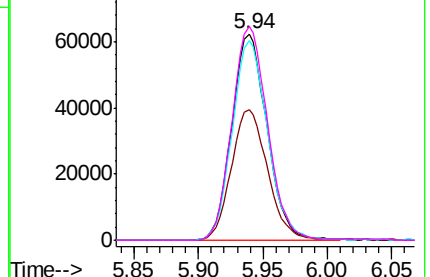
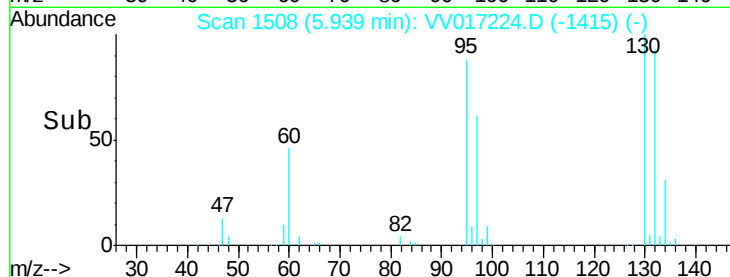
97 63.2 44.3 82.3

132 96.7 67.9 126.1

130 103.6 72.2 134.2



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: 43.077 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

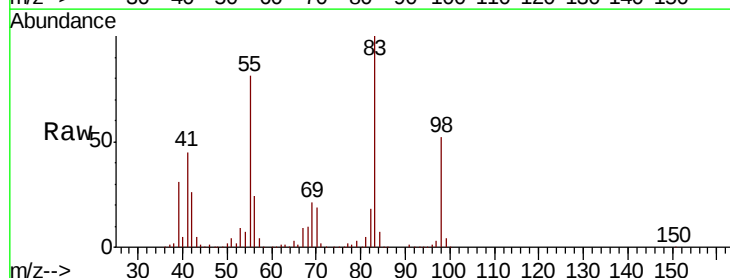
Tgt Ion: 83 Resp: 181335

Ion Ratio Lower Upper

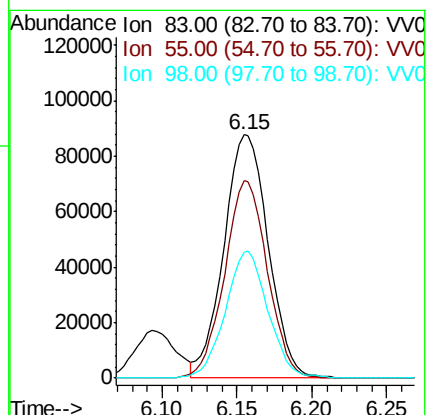
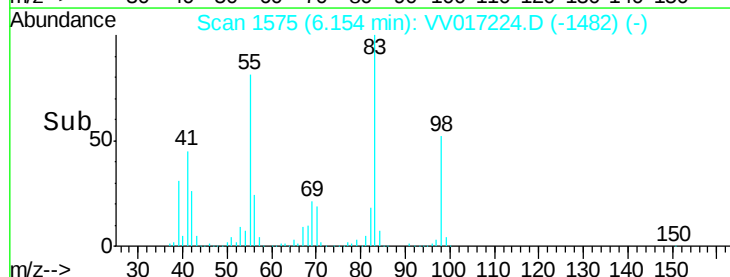
83 100

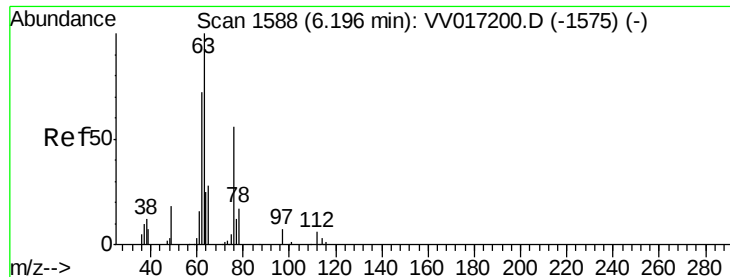
55 78.2 64.2 96.2

98 50.2 40.3 60.5



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: 42.136 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

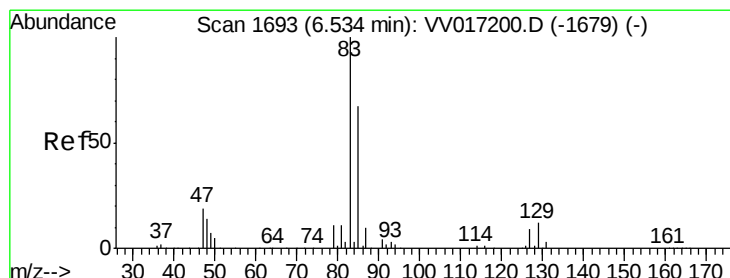
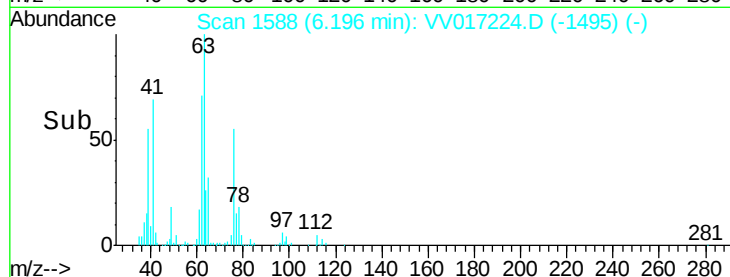
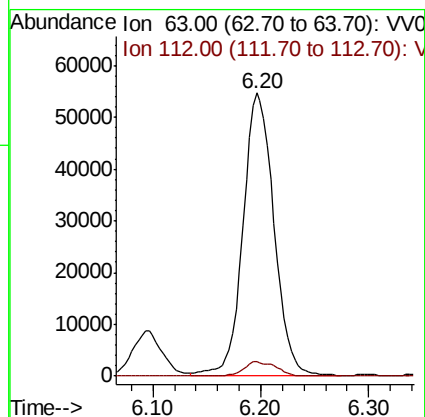
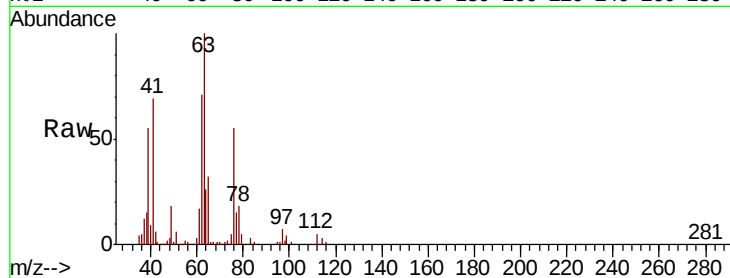
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 109633

Ion Ratio Lower Upper

63 100

112 5.4 3.8 5.6



#38

Bromodichloromethane

Concen: 46.866 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

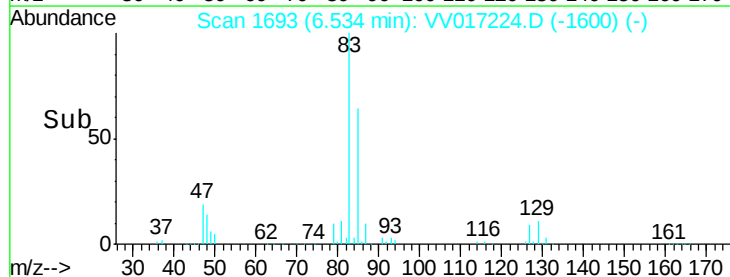
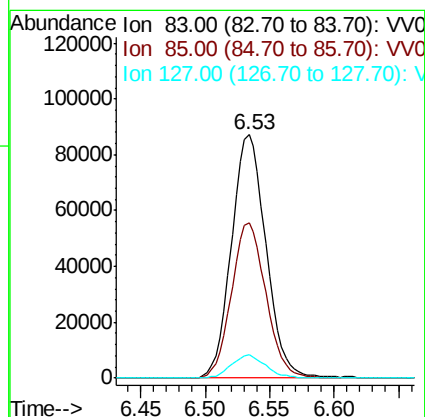
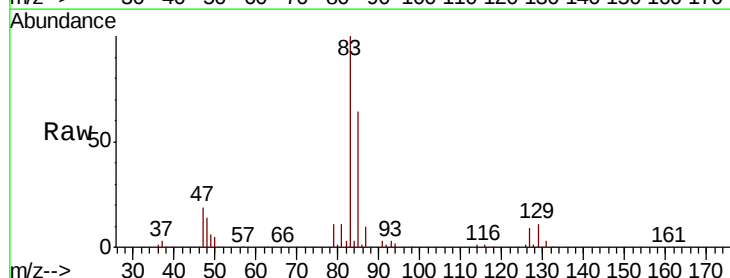
Tgt Ion: 83 Resp: 162326

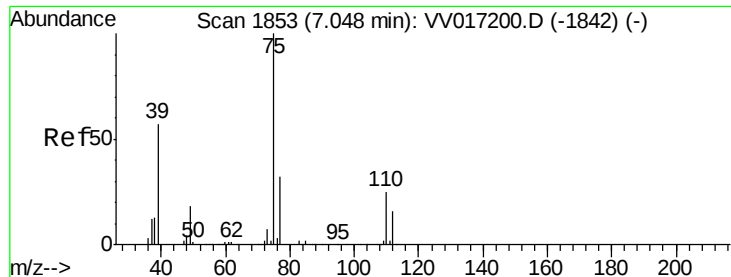
Ion Ratio Lower Upper

83 100

85 63.6 44.4 82.5

127 9.4 7.4 11.0

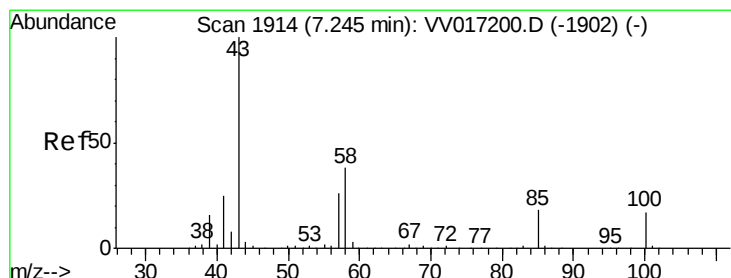
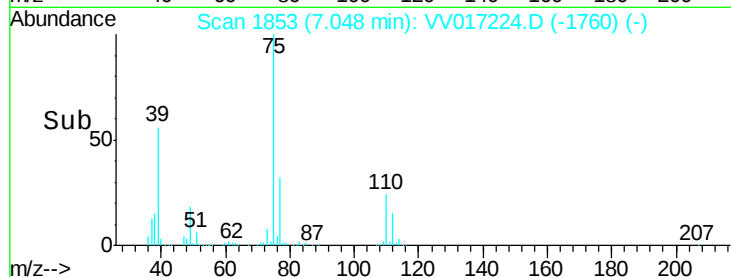
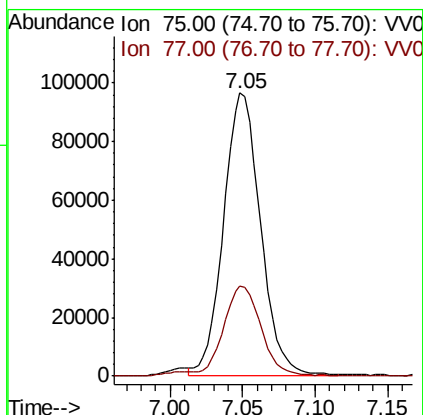
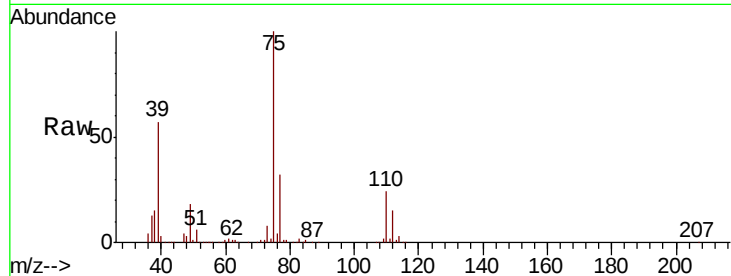




#39
 cis-1,3-Dichloropropene
 Concen: 42.106 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017224.D
 Acq: 27 Jun 2020 08:54

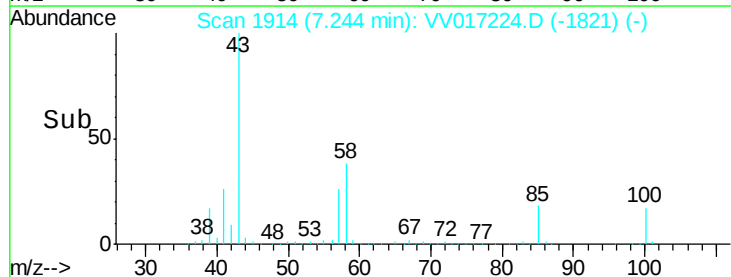
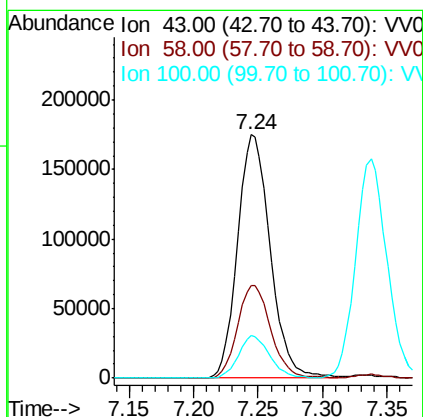
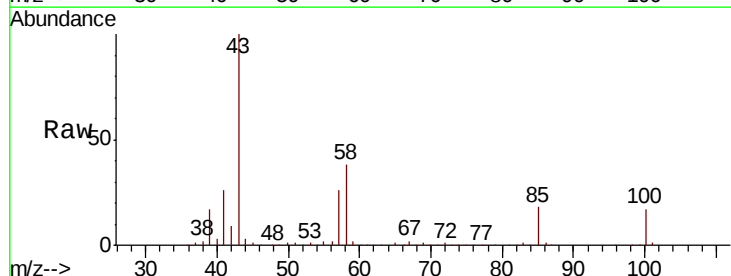
Instrument :
 MSVOA_V
 ClientSampled :

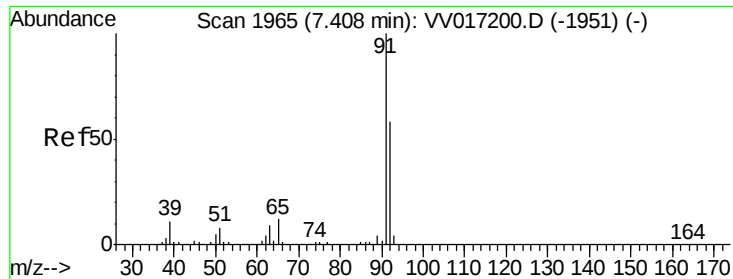
Tot Ion: 75 Resp: 170175
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 83.608 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV017224.D
 Acq: 27 Jun 2020 08:54

Tgt Ion: 43 Resp: 308258
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.2 45.4
 100 16.7 12.3 18.5





#42

Toluene

Concen: 44.763 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

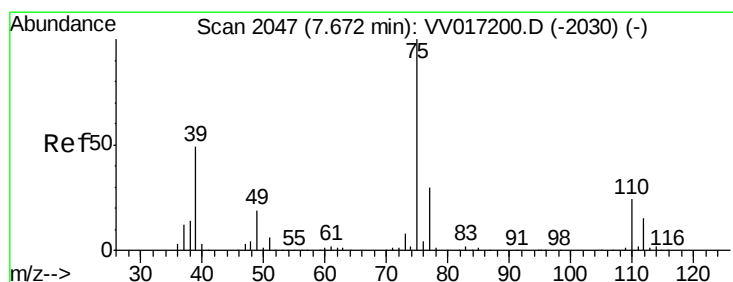
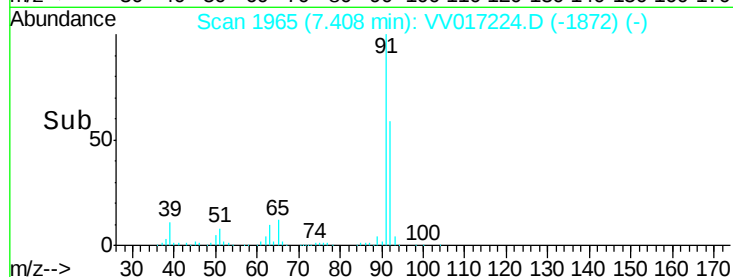
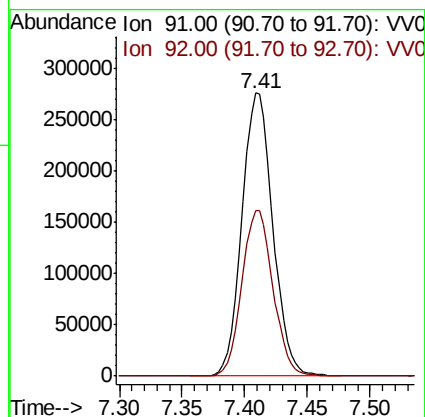
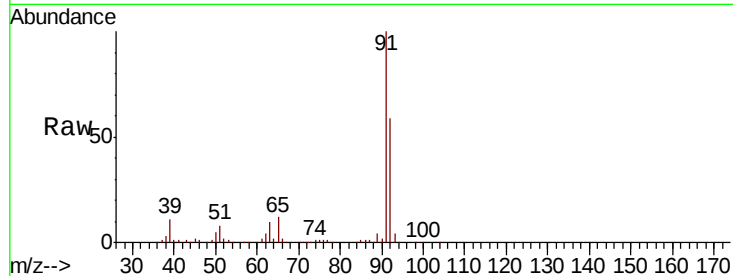
ClientSampled :

Tot Ion: 91 Resp: 472119

Ion Ratio Lower Upper

91 100

92 58.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 44.277 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV017224.D

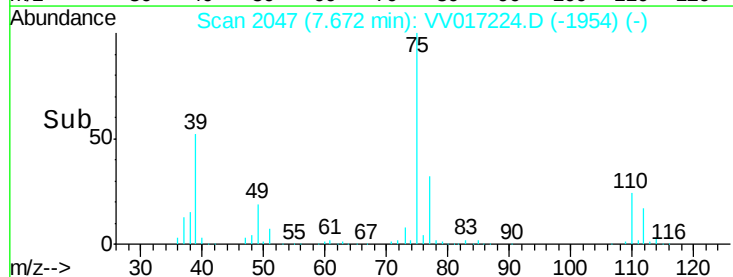
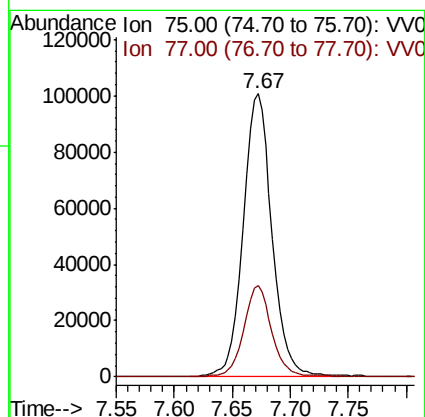
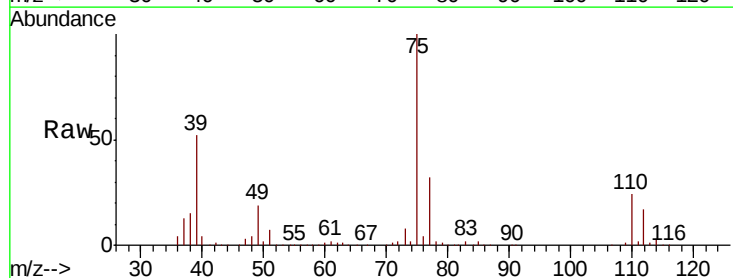
Acq: 27 Jun 2020 08:54

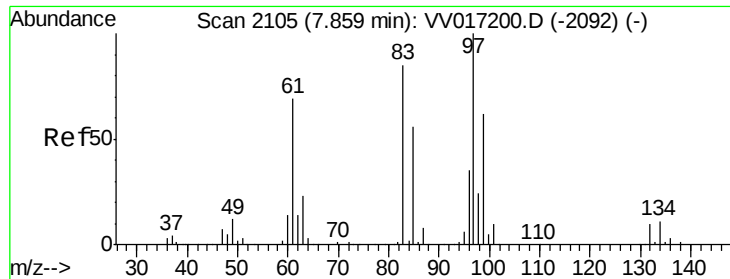
Tgt Ion: 75 Resp: 173975

Ion Ratio Lower Upper

75 100

77 32.1 21.7 40.3

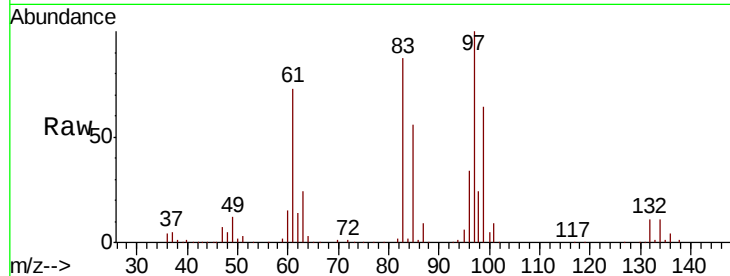




#45
 1,1,2-Trichloroethane
 Concen: 43.729 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017224.D
 Acq: 27 Jun 2020 08:54

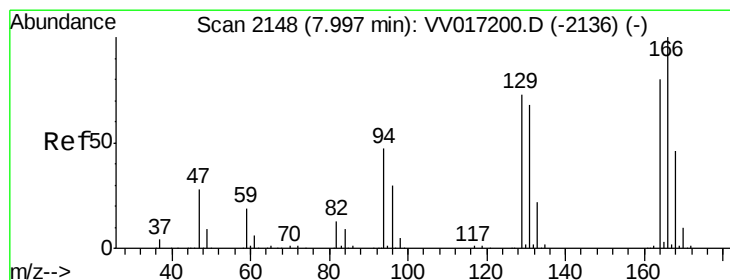
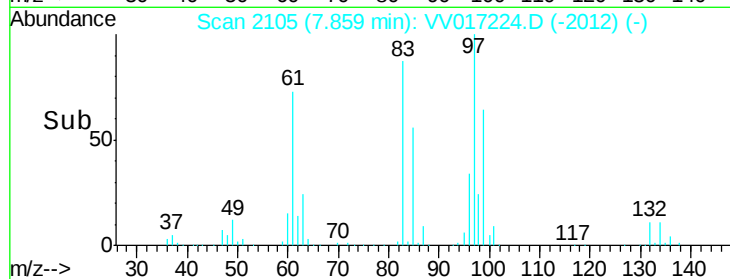
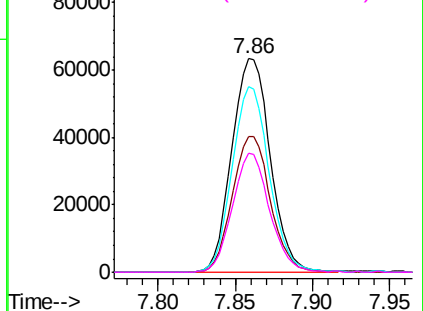
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	109770
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.3	82.3
83	87.2	60.0	111.4
85	55.9	39.5	73.3



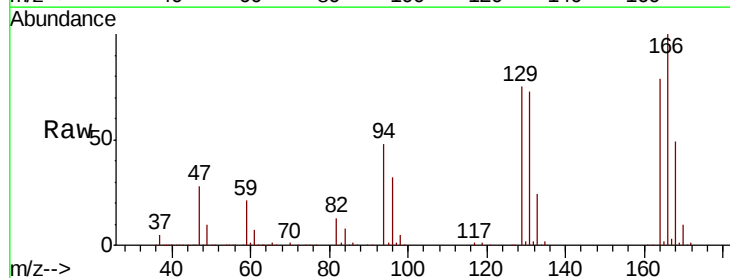
Abundance

Ion 97.00 (96.70 to 97.70): VV017224.D (-2092) (-)



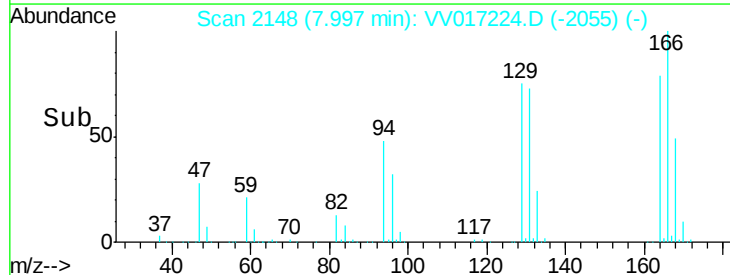
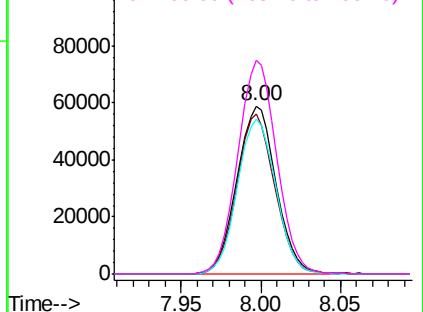
#46
 Tetrachloroethene
 Concen: 46.523 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017224.D
 Acq: 27 Jun 2020 08:54

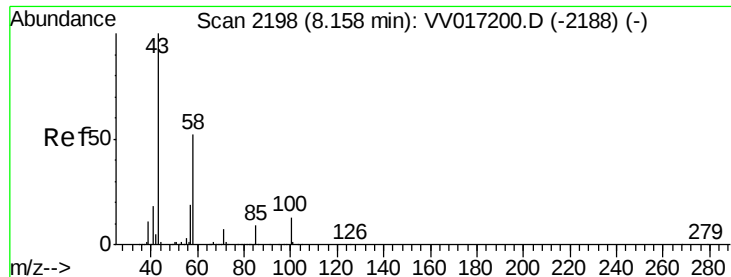
Tgt Ion:	164	Resp:	98180
Ion	Ratio	Lower	Upper
164	100		
129	94.8	67.0	124.4
131	92.3	64.8	120.3
166	126.9	90.4	167.8



Abundance

Ion 164.00 (163.70 to 164.70): VV017224.D (-2136) (-)

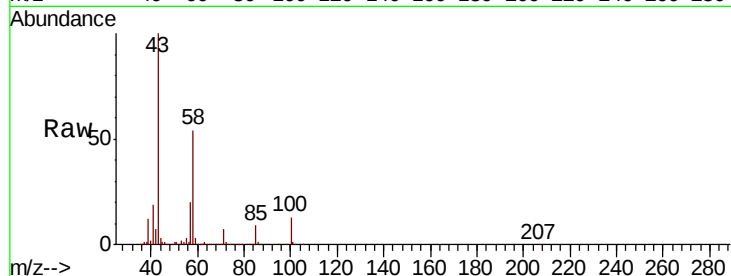




#48
2-Hexanone
Concen: 83.803 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017224.D
Acq: 27 Jun 2020 08:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	43.1	64.7
57	20.1	15.3	22.9
100	13.2	10.0	15.0

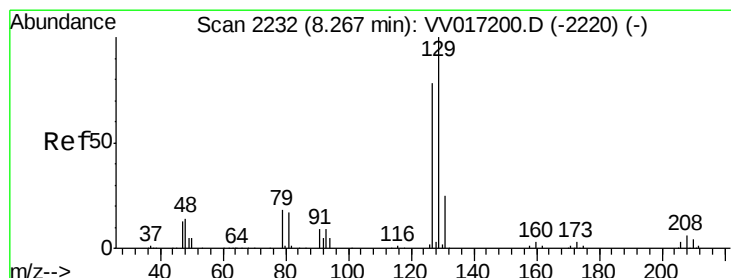
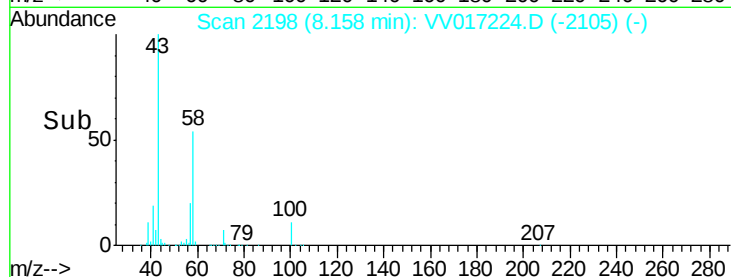
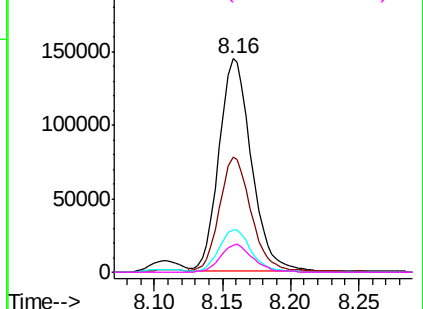


Abundance Ion 43.00 (42.70 to 43.70): VV017224.D (-2195) (-)

Ion 58.00 (57.70 to 58.70): VV017224.D (-2195) (-)

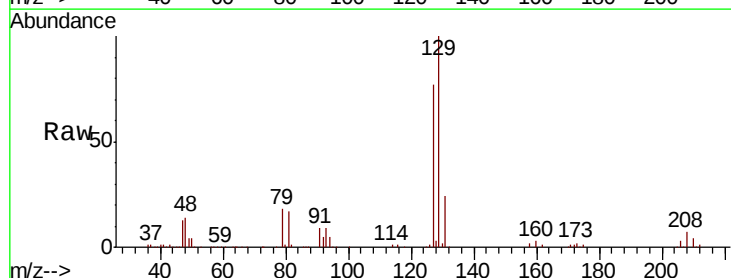
Ion 57.00 (56.70 to 57.70): VV017224.D (-2195) (-)

Ion 100.00 (99.70 to 100.70): VV017224.D (-2195) (-)



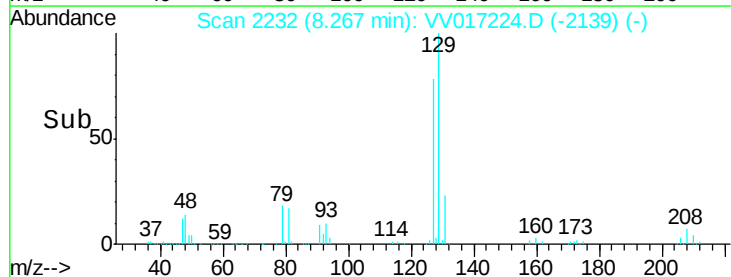
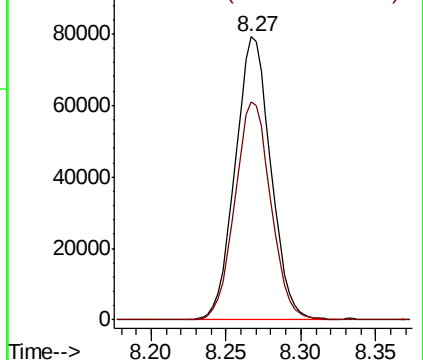
#49
Dibromochloromethane
Concen: 48.943 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017224.D
Acq: 27 Jun 2020 08:54

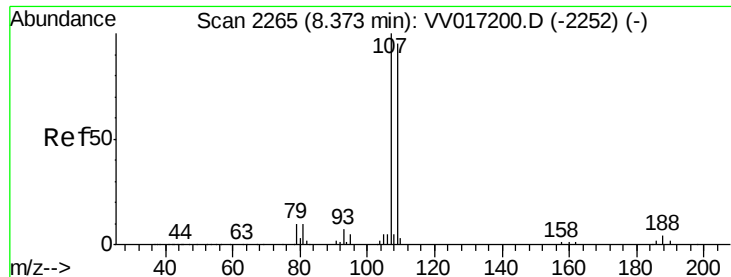
Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.2	100.6



Abundance Ion 129.00 (128.70 to 129.70): VV017224.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV017224.D (-2139) (-)

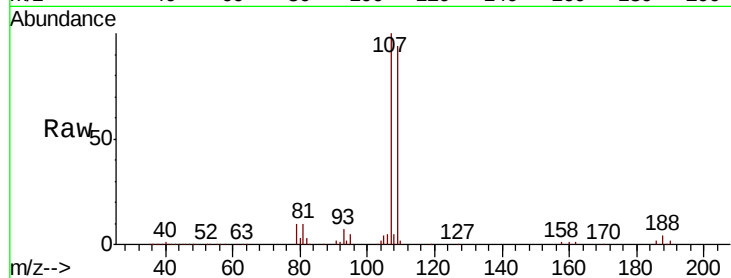




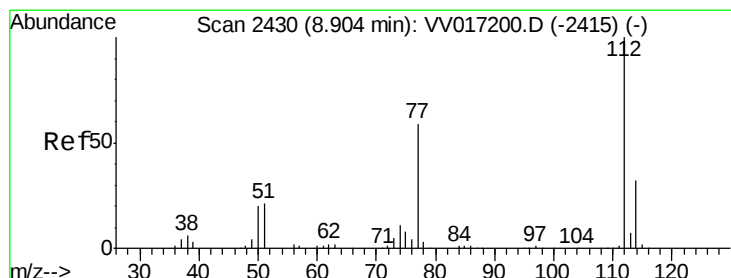
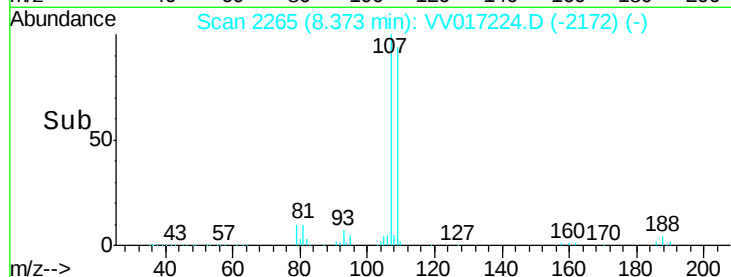
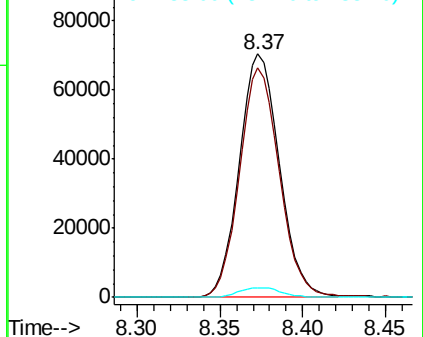
#50
1,2-Dibromoethane
Concen: 45.142 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017224.D
Acq: 27 Jun 2020 08:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	66.4	123.2
188	3.9	3.1	4.7

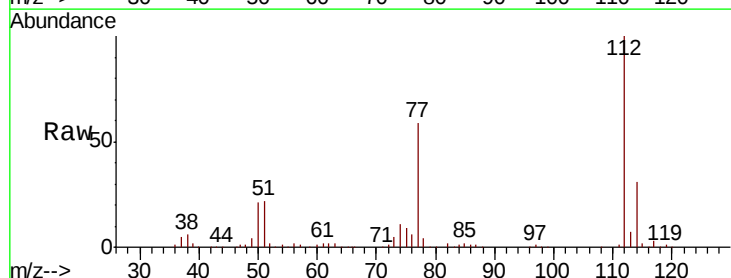


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

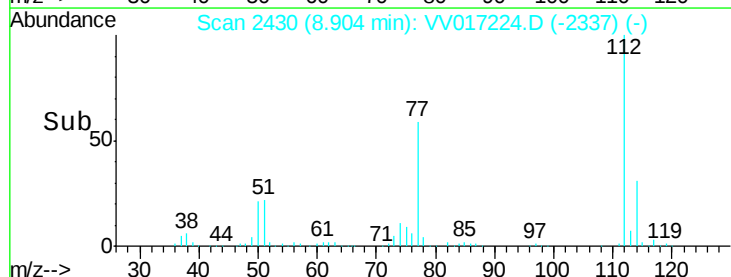
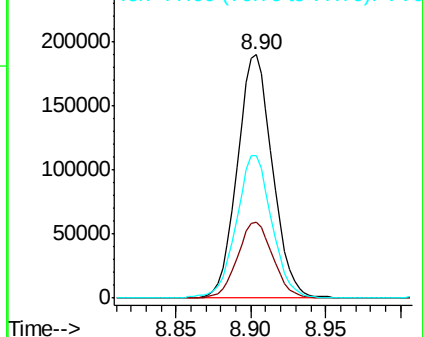


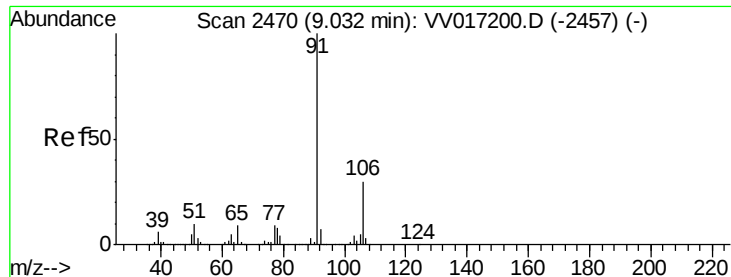
#51
Chlorobenzene
Concen: 45.212 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV017224.D
Acq: 27 Jun 2020 08:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.3	41.3
77	58.7	47.9	71.9



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: 45.882 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

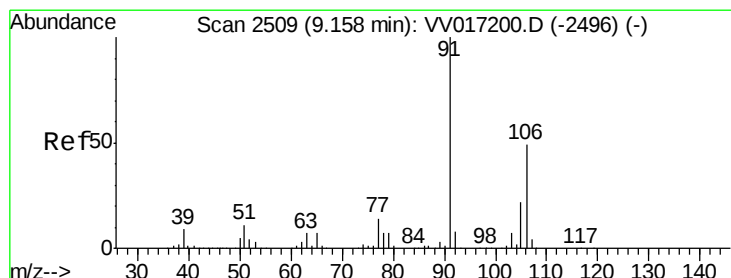
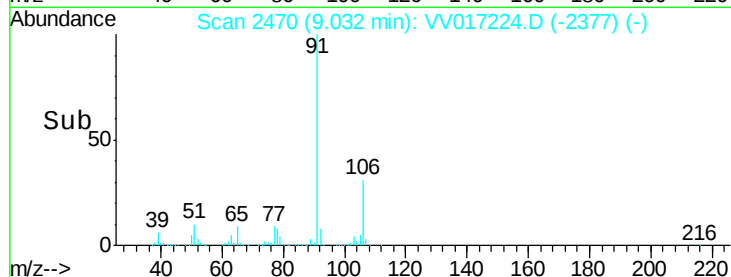
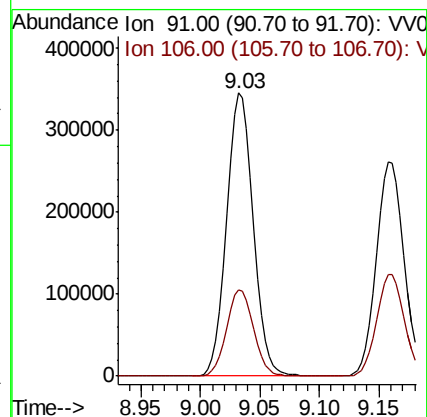
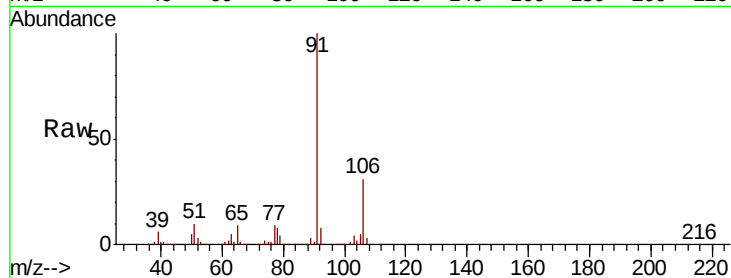
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 536009

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



#53

m,p-Xylene

Concen: 45.620 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017224.D

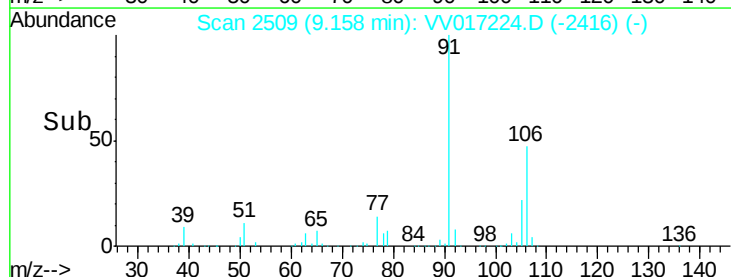
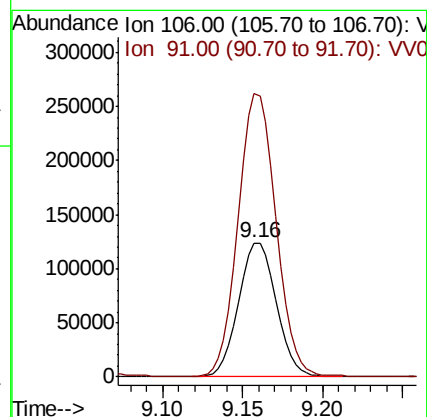
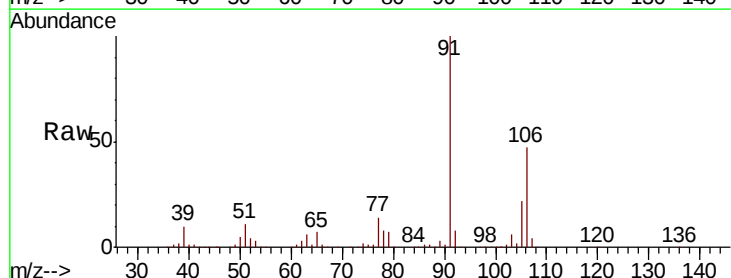
Acq: 27 Jun 2020 08:54

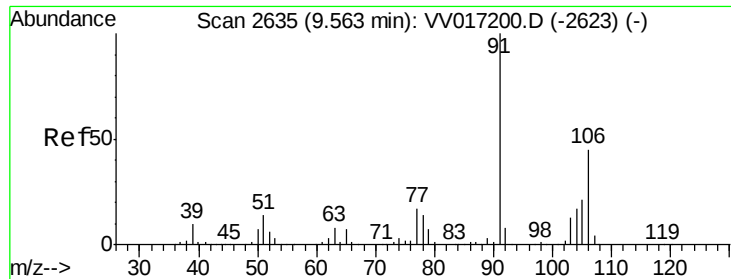
Tgt Ion: 106 Resp: 198436

Ion Ratio Lower Upper

106 100

91 211.3 144.6 268.6





#54

o-xylene

Concen: 46.189 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

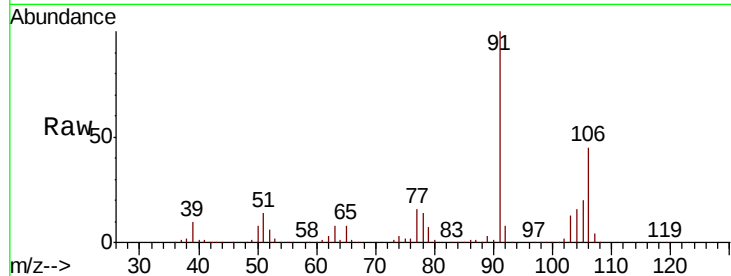
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 198148

Ion Ratio Lower Upper

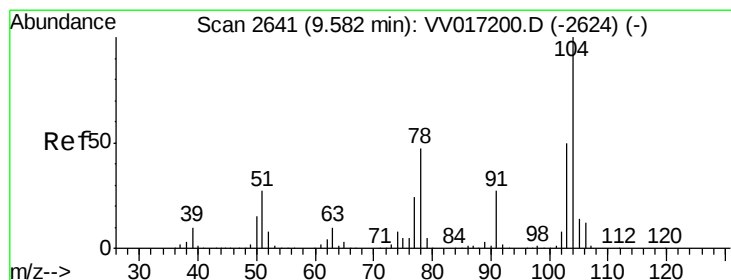
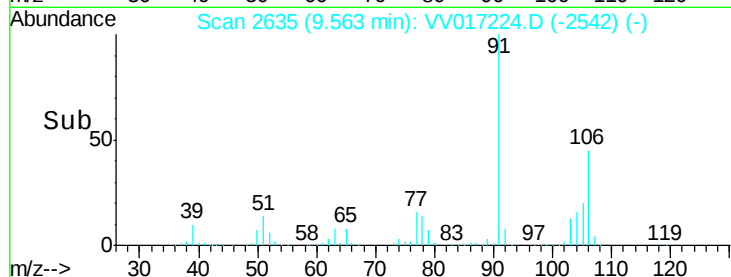
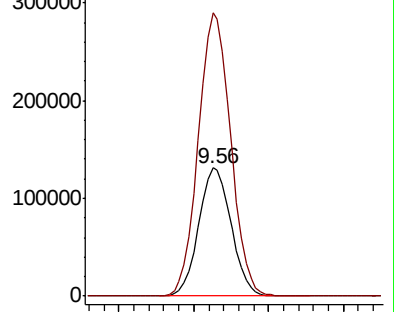
106 100

91 221.1 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 47.174 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV017224.D

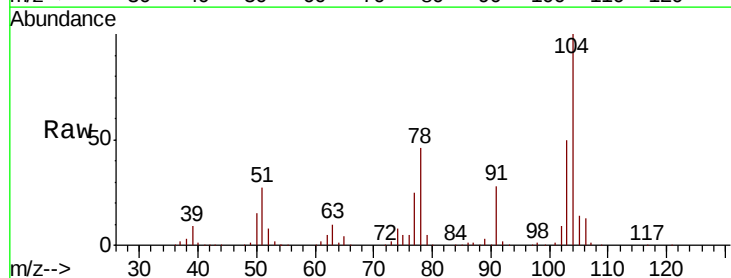
Acq: 27 Jun 2020 08:54

Tgt Ion:104 Resp: 342152

Ion Ratio Lower Upper

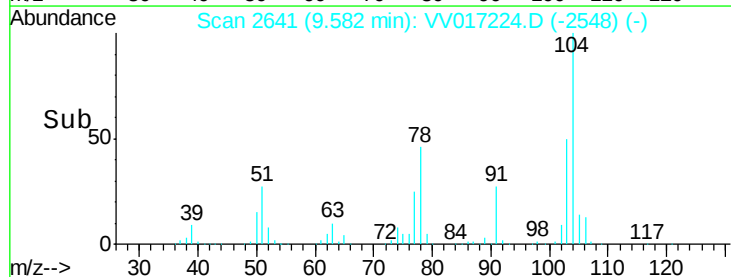
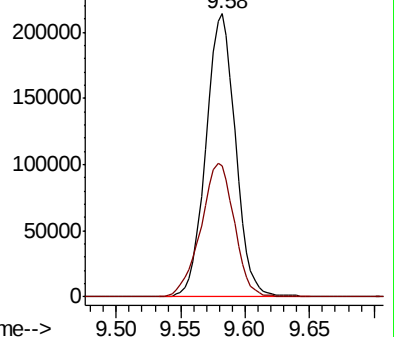
104 100

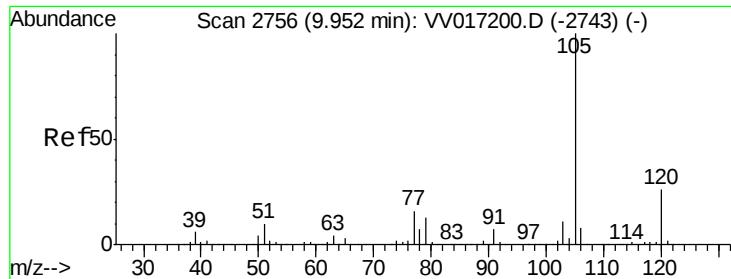
78 46.3 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 46.051 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :
MSVOA_V
ClientSampleId :

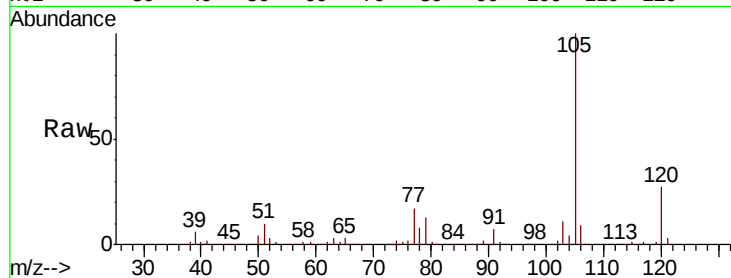
Tot Ion:105 Resp: 530828

Ion Ratio Lower Upper

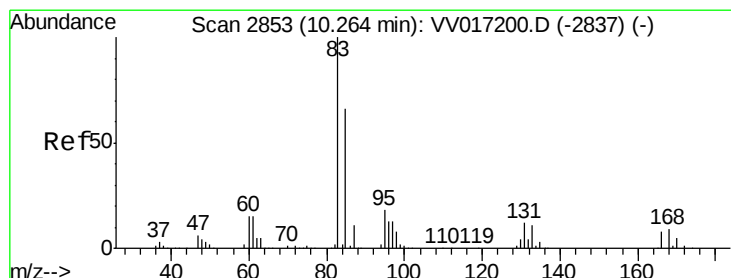
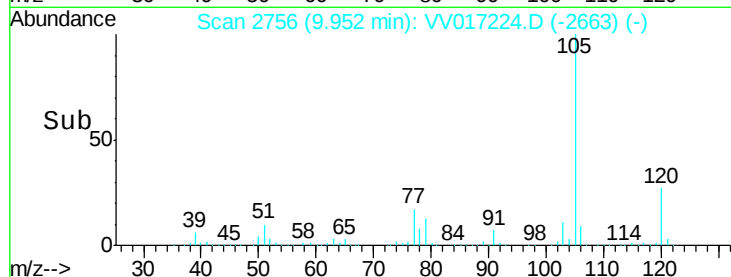
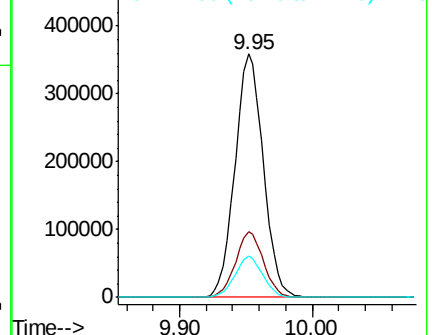
105 100

120 26.6 21.2 31.8

77 16.7 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: 43.577 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

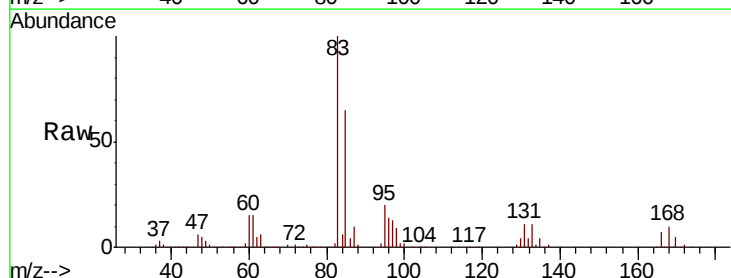
Tgt Ion: 83 Resp: 167717

Ion Ratio Lower Upper

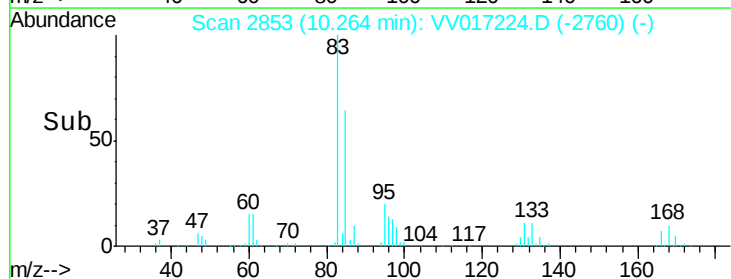
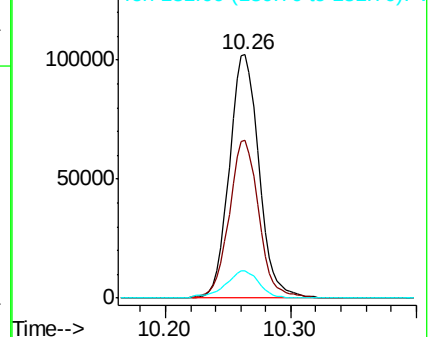
83 100

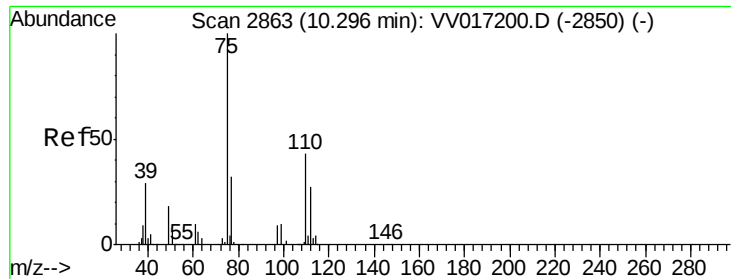
85 64.7 46.8 86.8

131 11.2 7.9 11.9



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: 43.716 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

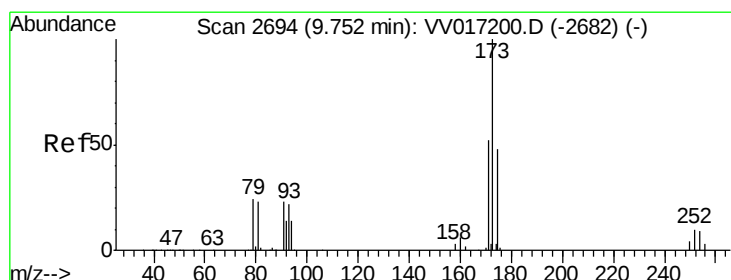
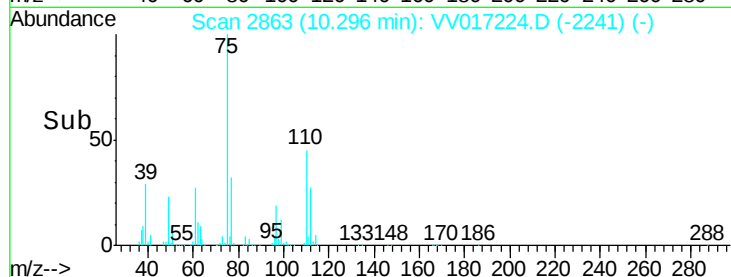
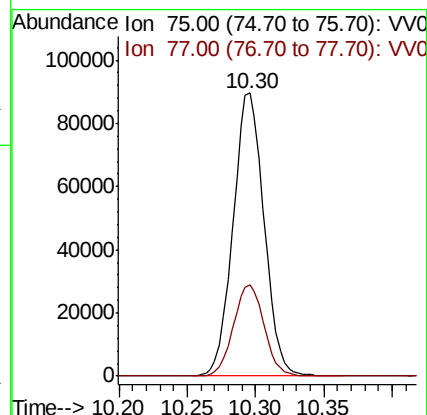
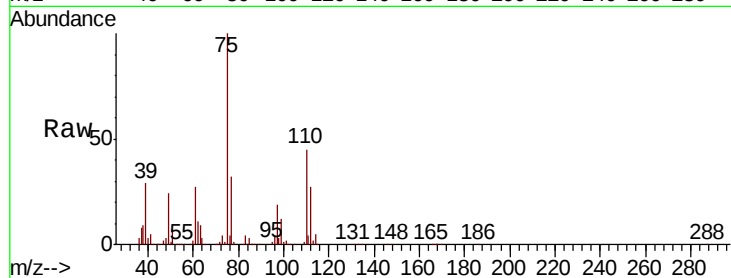
ClientSampleId :

Tot Ion: 75 Resp: 141127

Ion Ratio Lower Upper

75 100

77 31.5 26.1 39.1



#61

Bromoform

Concen: 52.662 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

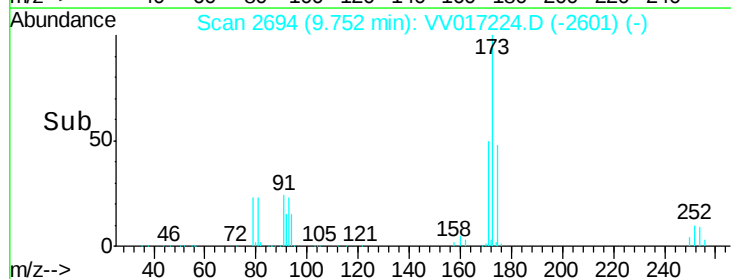
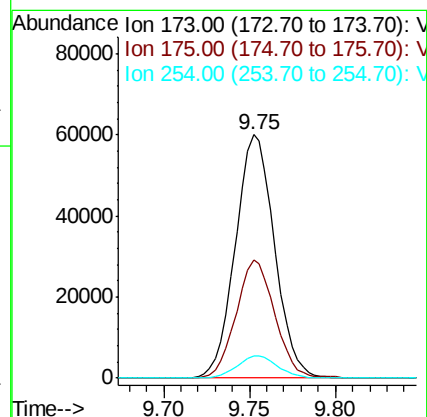
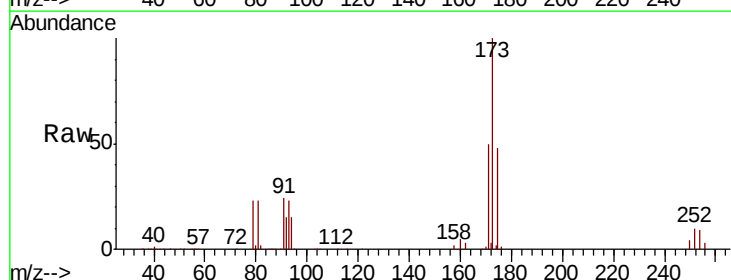
Tgt Ion: 173 Resp: 94853

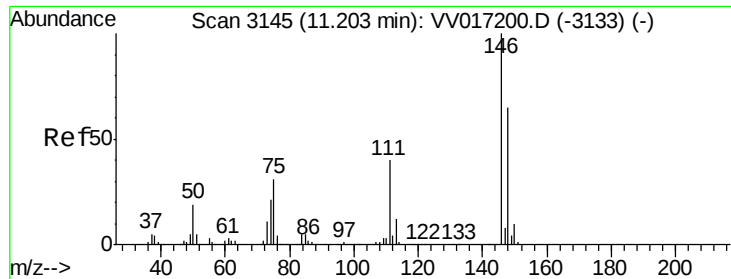
Ion Ratio Lower Upper

173 100

175 47.7 39.0 58.4

254 9.5 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 44.741 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

ClientSampleId :

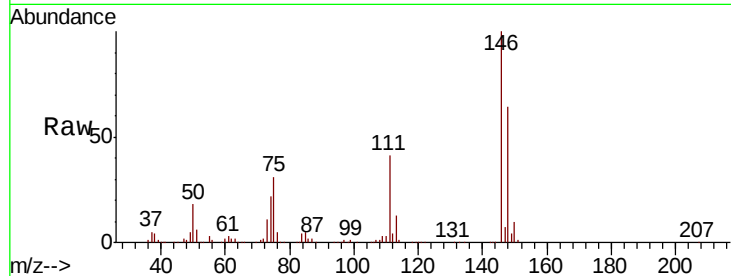
Tot Ion:146 Resp: 248148

Ion Ratio Lower Upper

146 100

111 40.8 28.3 52.7

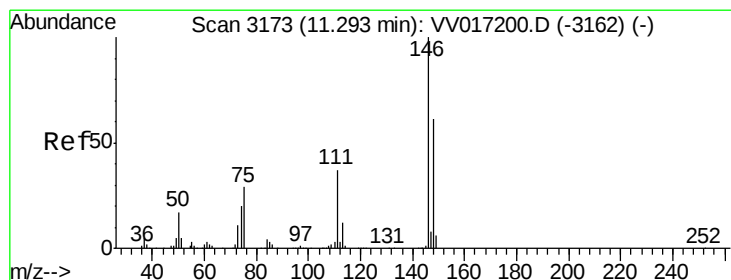
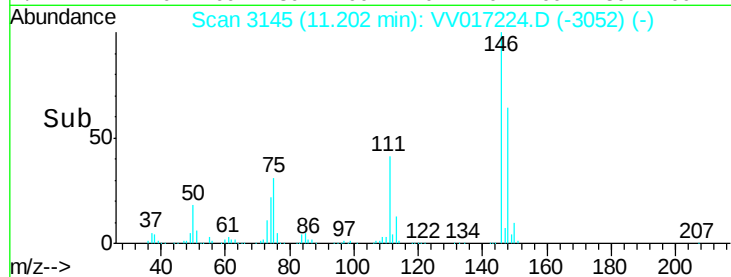
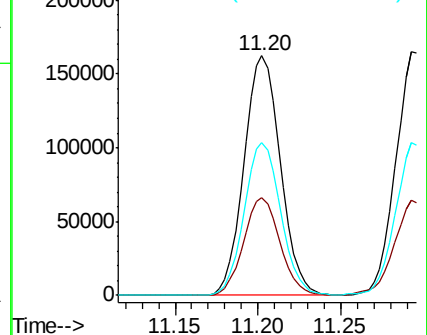
148 63.7 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 44.565 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

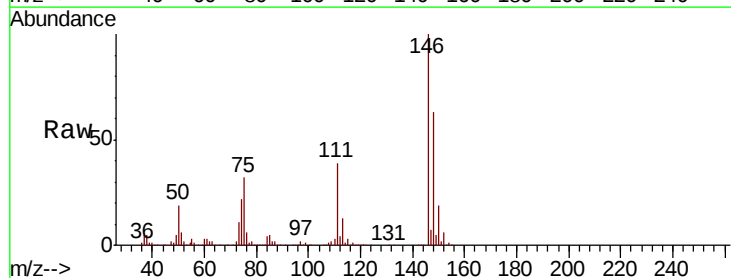
Tgt Ion:146 Resp: 251486

Ion Ratio Lower Upper

146 100

111 38.8 26.7 49.7

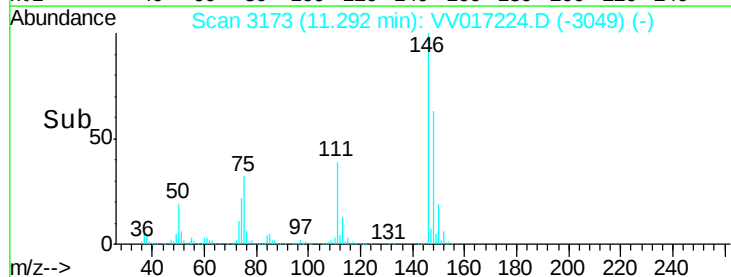
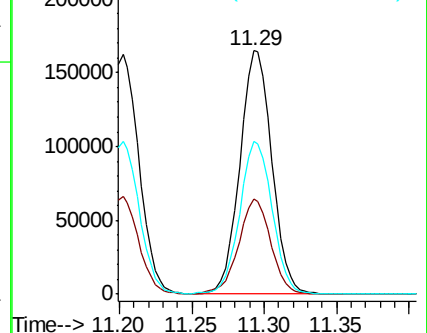
148 62.5 43.5 80.9

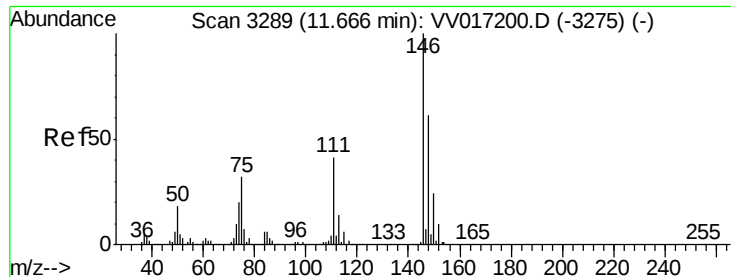


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 45.663 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

ClientSampleId :

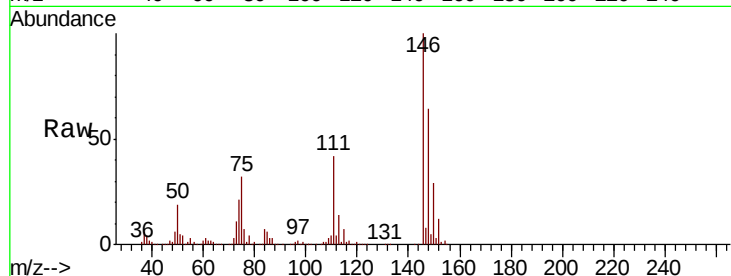
Tot Ion:146 Resp: 253805

Ion Ratio Lower Upper

146 100

111 42.4 33.7 50.5

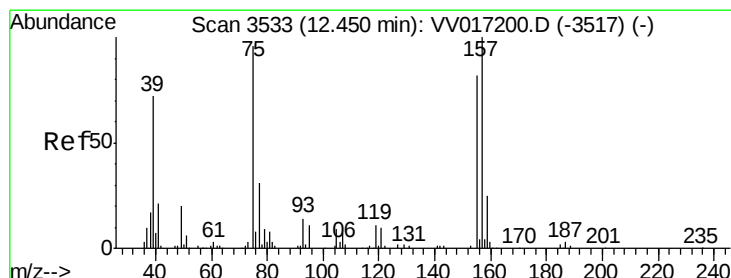
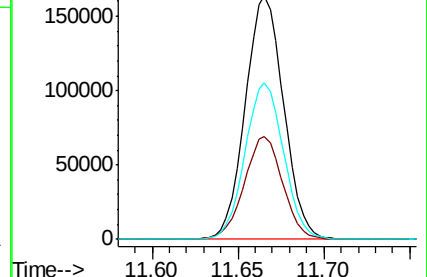
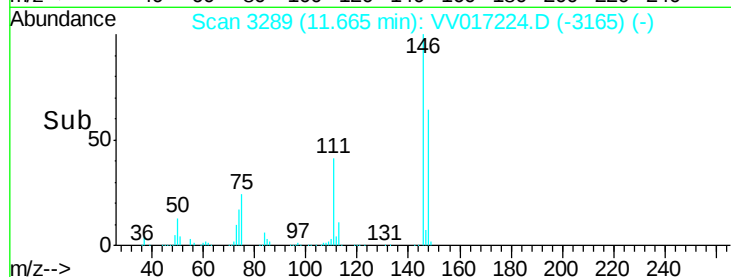
148 64.4 50.7 76.1



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: 48.791 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

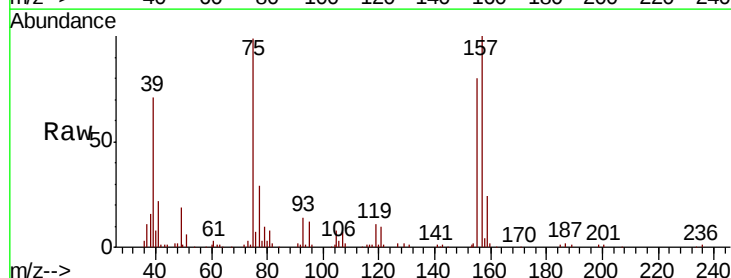
Tgt Ion: 75 Resp: 42642

Ion Ratio Lower Upper

75 100

155 81.0 69.8 104.6

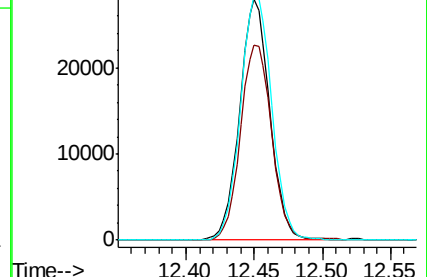
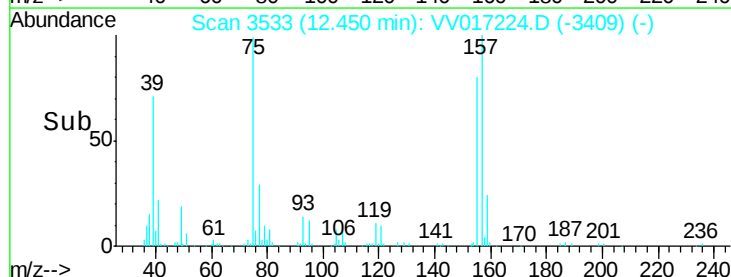
157 101.2 83.4 125.2

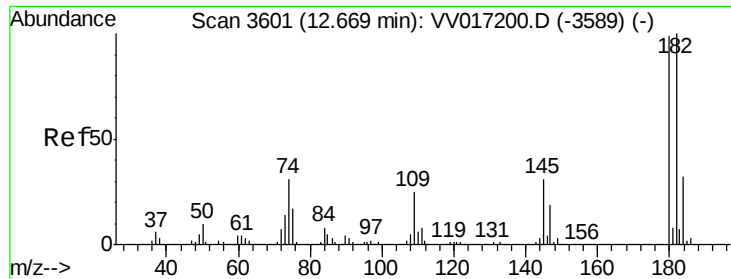


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

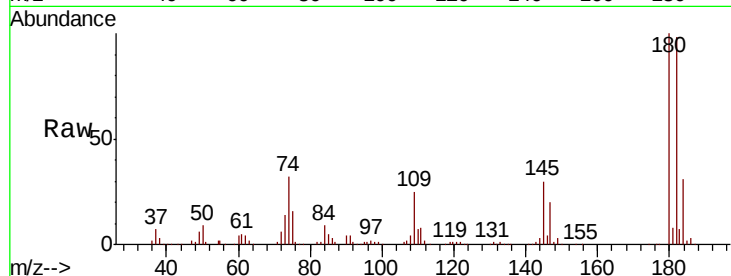




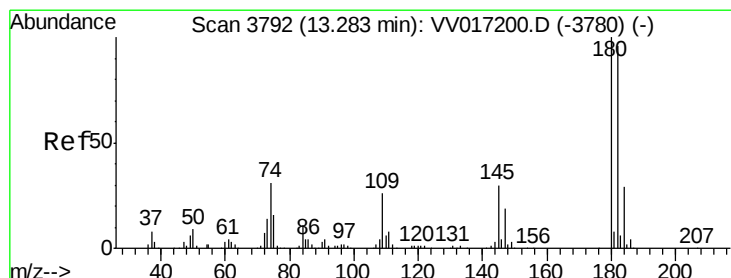
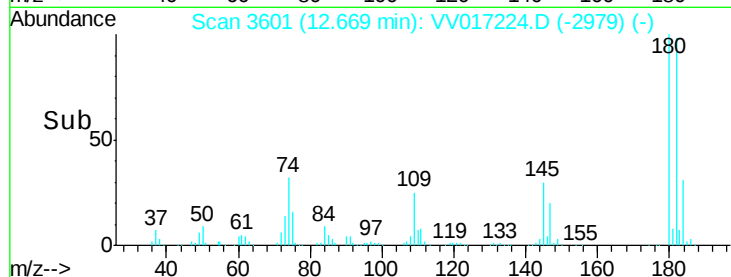
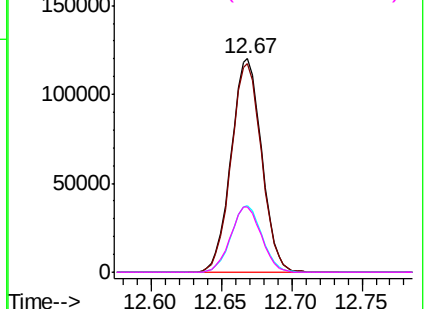
#67
 1,3,5-Trichlorobenzene
 Concen: 44.201 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017224.D
 Acq: 27 Jun 2020 08:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	182808
Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.0	112.6
184	31.2	24.5	36.7
145	30.5	24.4	36.6

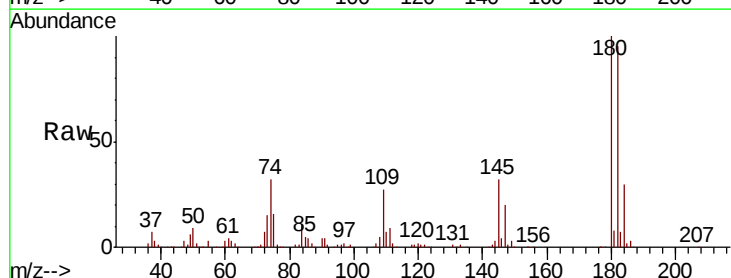


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

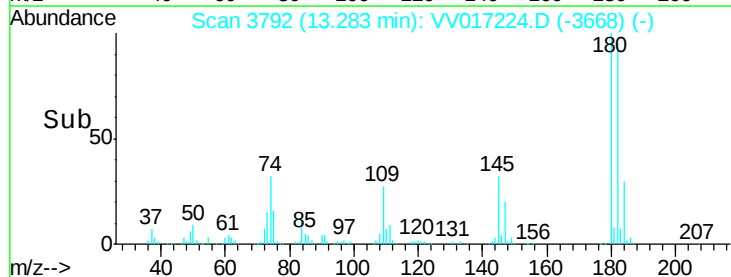
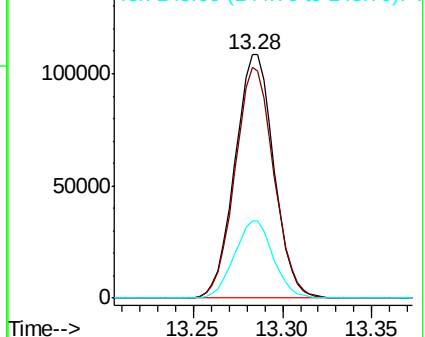


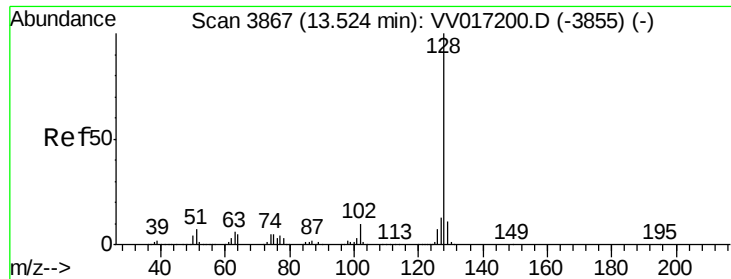
#68
 1,2,4-trichlorobenzene
 Concen: 43.690 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017224.D
 Acq: 27 Jun 2020 08:54

Tgt Ion:	180	Resp:	165739
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.9	115.3
145	31.6	25.2	37.8



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: 48.450 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

Instrument :

MSVOA_V

ClientSampleId :

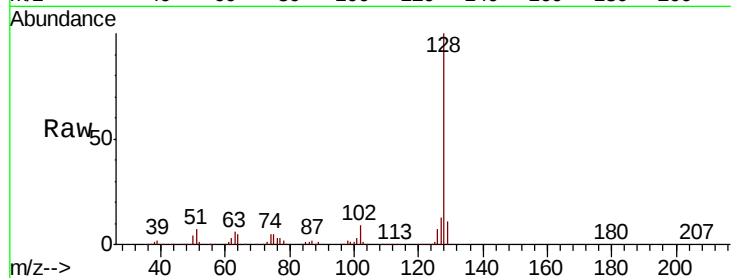
Tot Ion:128 Resp: 528687

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

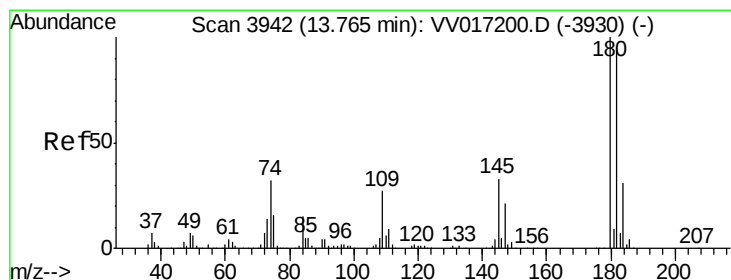
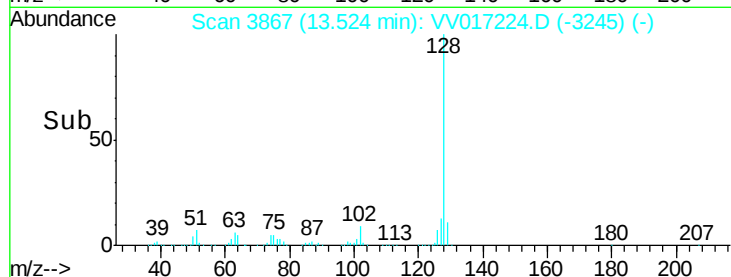
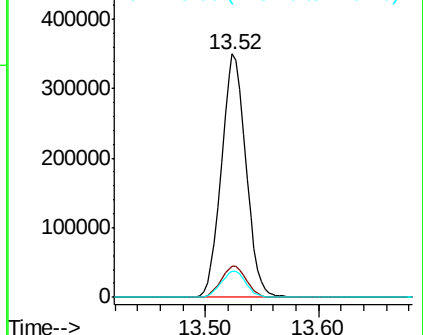
129 11.0 8.7 13.1



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: 46.785 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017224.D

Acq: 27 Jun 2020 08:54

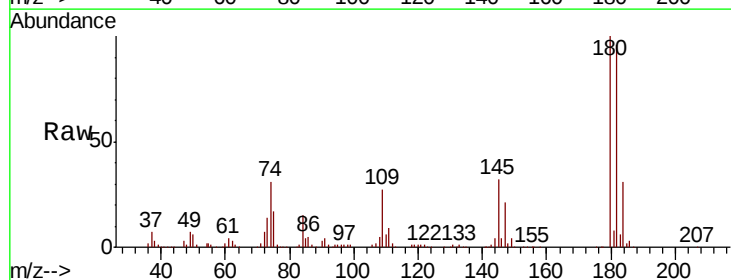
Tgt Ion:180 Resp: 173656

Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

145 33.6 26.1 39.1



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

