

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\
 Data File : VV018138.D
 Acq On : 28 Aug 2020 16:04
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Quant Time: Aug 29 00:41:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 29 00:38:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	268797	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	267516	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	149259	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77332	37.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.42%
7) Chloroethane-d5	1.58	69	71638	42.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.12	63	171697	43.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.54%
21) 2-Butanone-d5	3.90	46	128510	95.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.67%
24) Chloroform-d	4.37	84	175901	47.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.24%
26) 1,2-Dichloroethane-d4	5.05	65	113536	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.64%
32) Benzene-d6	5.07	84	333803	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.56%
36) 1,2-Dichloropropane-d6	6.09	67	110010	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.28%
41) Toluene-d8	7.33	98	306375	46.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.42%
43) trans-1,3-Dichloropropene-	7.64	79	54042	49.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.86%
47) 2-Hexanone-d5	8.11	63	76403	98.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.78%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	154598	49.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	136110	46.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	93315	44.967	ug/L 100
3) Chloromethane	1.25	50	106231	44.068	ug/L 99
5) Vinyl chloride	1.32	62	110798	46.390	ug/L 97
6) Bromomethane	1.53	94	67214	47.086	ug/L 98
8) Chloroethane	1.60	64	74144	48.637	ug/L 100
9) Trichlorofluoromethane	1.76	101	165974	48.648	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	99104	52.024	ug/L 98
12) 1,1-Dichloroethene	2.13	96	89513	49.645	ug/L 91
13) Acetone	2.19	43	157814	113.746	ug/L 100
14) Carbon disulfide	2.31	76	231633	46.675	ug/L 99
15) Methyl Acetate	2.44	43	106749	47.677	ug/L 99
16) Methylene chloride	2.52	84	110938	48.295	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	91756	49.505	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	311453	50.810	ug/L 100
19) 1,1-Dichloroethane	3.21	63	188200	50.498	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	106929	52.499	ug/L 100
22) 2-Butanone	3.99	43	174029	111.811	ug/L 98

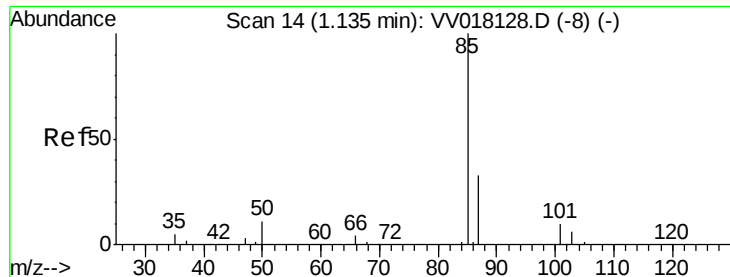
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\
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 QLast Update : Sat Aug 29 00:38:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	54904	51.601	ug/L	98
25) Chloroform	4.40	83	195710	51.486	ug/L	99
27) 1,2-Dichloroethane	5.15	62	151838	50.184	ug/L	99
29) Cyclohexane	4.70	56	153407	47.513	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	163915	50.001	ug/L	98
31) Carbon tetrachloride	4.85	117	141890	51.992	ug/L	99
33) Benzene	5.12	78	409868	49.522	ug/L	100
34) Trichloroethene	5.94	95	108029	49.380	ug/L	98
35) Methylcyclohexane	6.15	83	158790	48.812	ug/L	99
37) 1,2-Dichloropropane	6.20	63	111698	49.487	ug/L	100
38) Bromodichloromethane	6.53	83	145202	51.792	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	170576	53.310	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	290943	98.604	ug/L	100
42) Toluene	7.41	91	437777	50.690	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	168495	55.500	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	105290	50.372	ug/L	100
46) Tetrachloroethene	7.99	164	84967	52.957	ug/L	98
48) 2-Hexanone	8.15	43	244099	102.591	ug/L	99
49) Dibromochloromethane	8.27	129	115552	56.636	ug/L	98
50) 1,2-Dibromoethane	8.37	107	107898	49.892	ug/L	97
51) Chlorobenzene	8.90	112	286530	51.585	ug/L	98
52) Ethylbenzene	9.03	91	486540	51.668	ug/L	100
53) m,p-Xylene	9.16	106	183996	53.125	ug/L	95
54) o-xylene	9.56	106	176572	51.589	ug/L	98
55) Styrene	9.58	104	319045	54.432	ug/L	98
56) Isopropylbenzene	9.95	105	480114	53.173	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	163598	50.261	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	136927	49.121	ug/L	100
61) Bromoform	9.75	173	84506	59.836	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	240264	50.621	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	245805	50.413	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	237967	48.711	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	34280	47.625	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	189108	52.449	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	174521	55.054	ug/L	99
69) Naphthalene	13.52	128	459174	52.553	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	174208	54.040	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 44.967 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

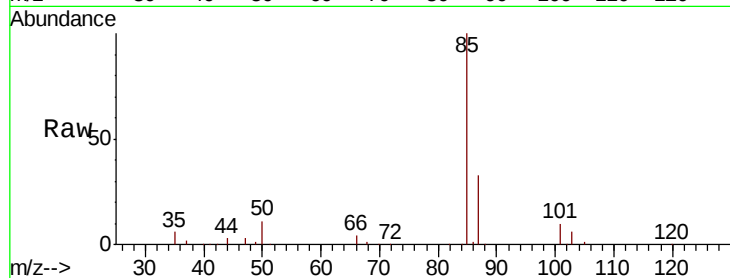
VSTD05090

Tot Ion: 85 Resp: 93315

Ion Ratio Lower Upper

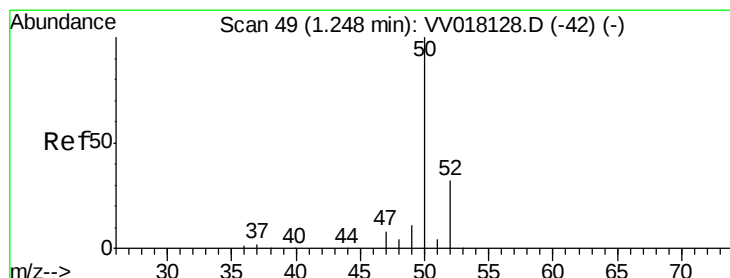
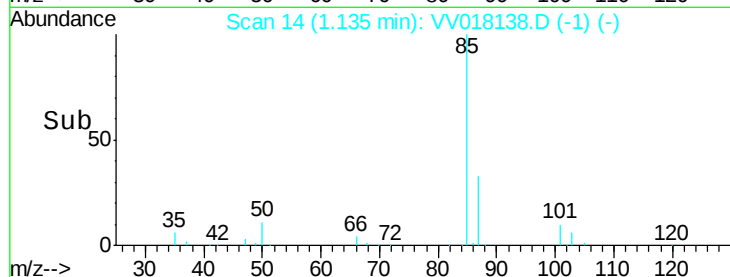
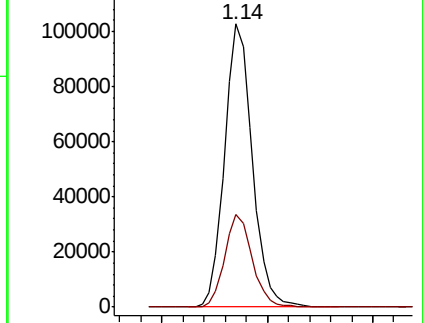
85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 44.068 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018138.D

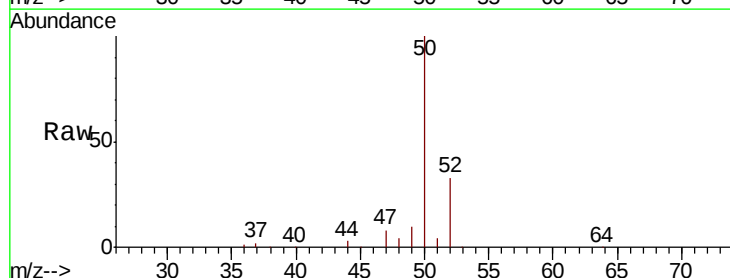
Acq: 28 Aug 2020 16:04

Tgt Ion: 50 Resp: 106231

Ion Ratio Lower Upper

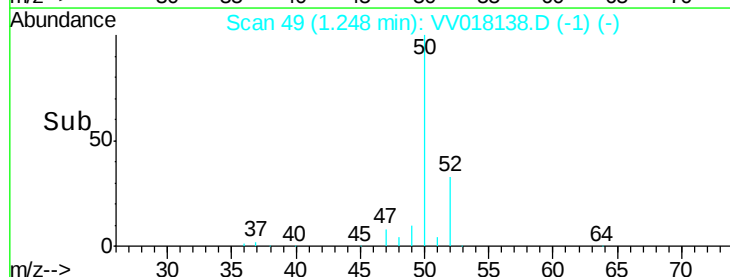
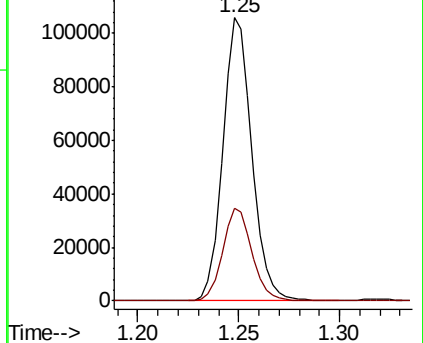
50 100

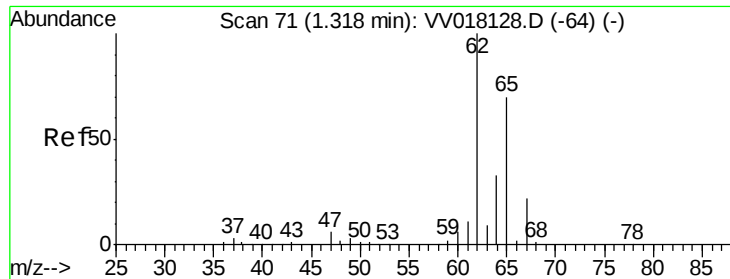
52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 46.390 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

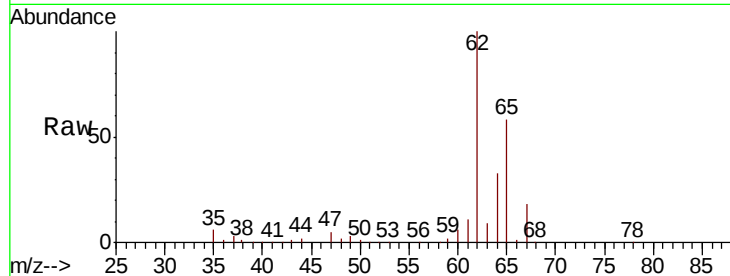
VSTD05090

Tot Ion: 62 Resp: 110798

Ion Ratio Lower Upper

62 100

64 33.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

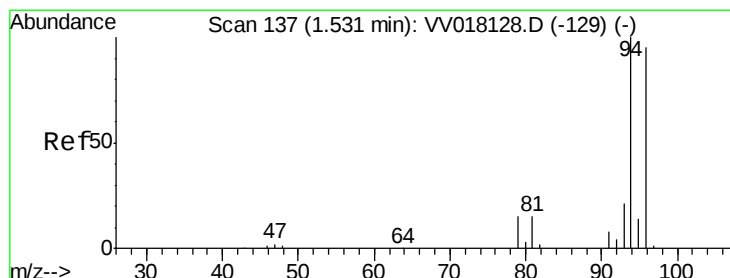
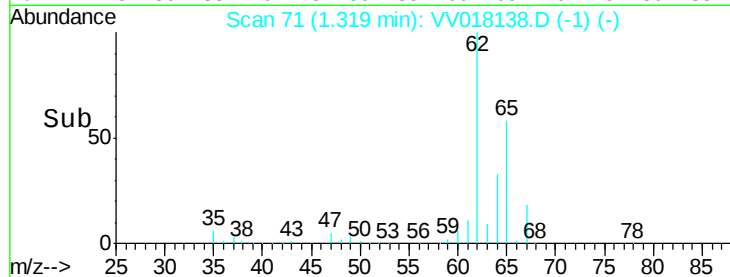
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 47.086 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018138.D

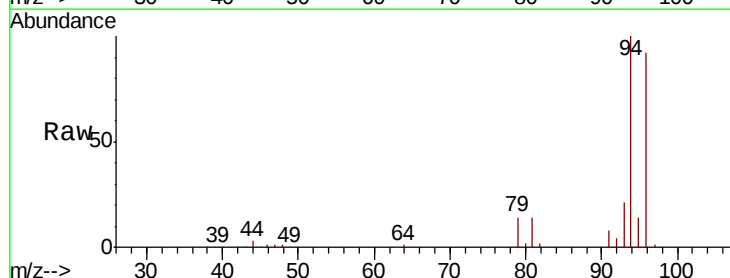
Acq: 28 Aug 2020 16:04

Tgt Ion: 94 Resp: 67214

Ion Ratio Lower Upper

94 100

96 91.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

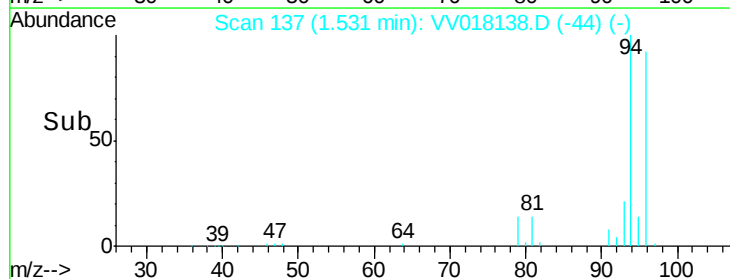
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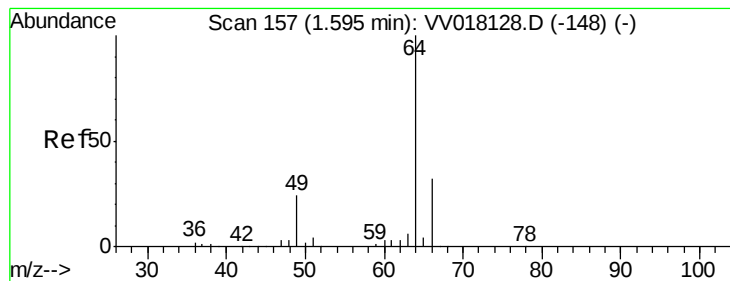
40000

20000

0

Time-->





#8

Chloroethane

Concen: 48.637 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

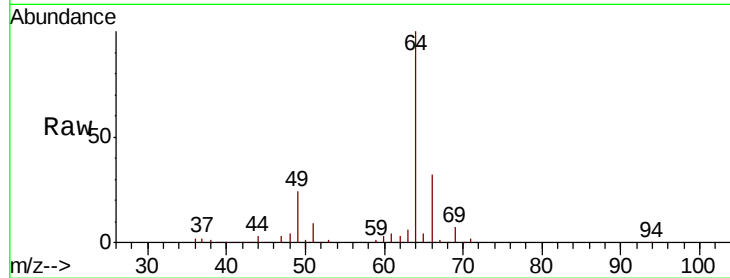
VSTD05090

Tot Ion: 64 Resp: 74144

Ion Ratio Lower Upper

64 100

66 31.6 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018138.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018138.D (-148) (-)

1.60

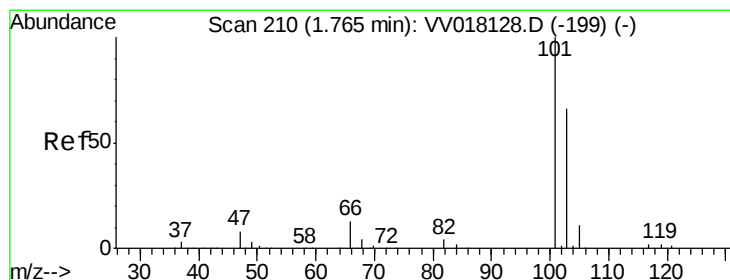
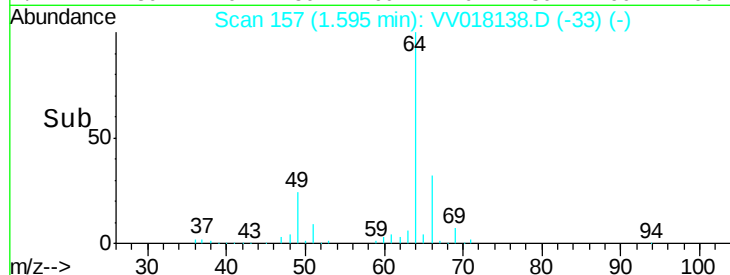
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 48.648 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018138.D

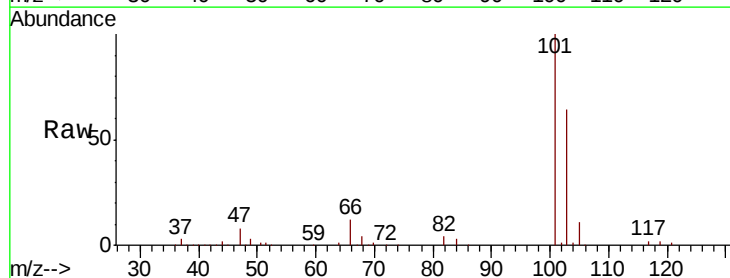
Acq: 28 Aug 2020 16:04

Tgt Ion:101 Resp: 165974

Ion Ratio Lower Upper

101 100

103 64.3 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018138.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018138.D (-199) (-)

1.76

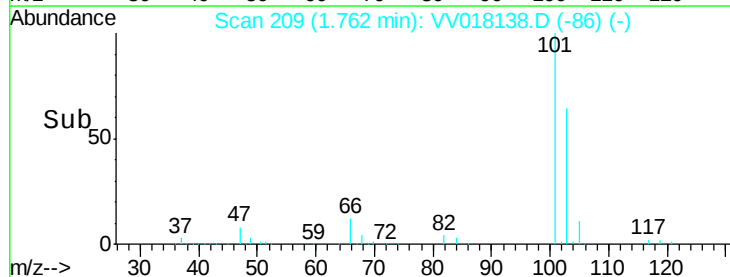
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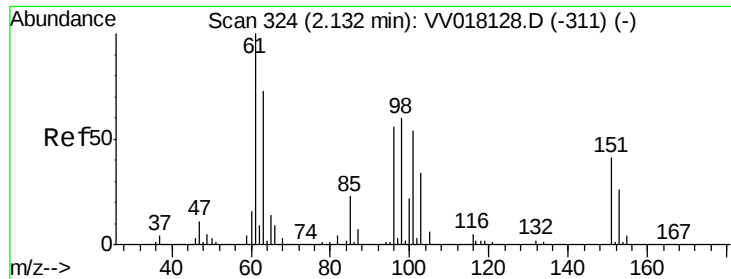
100000

50000

0

Time-->





#10

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

Concen: 52.024 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

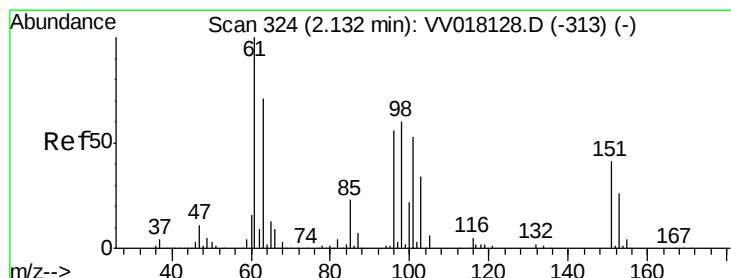
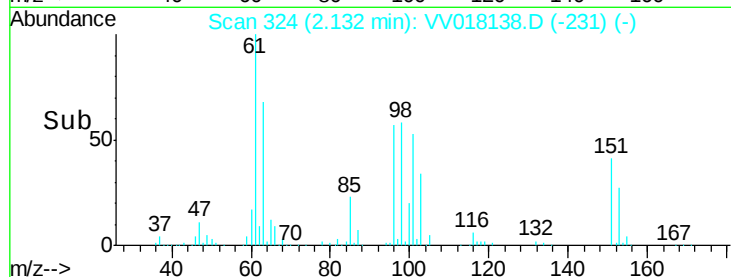
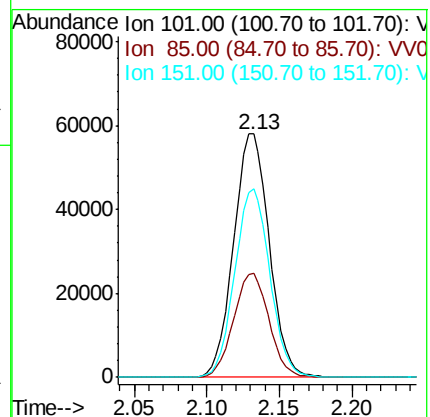
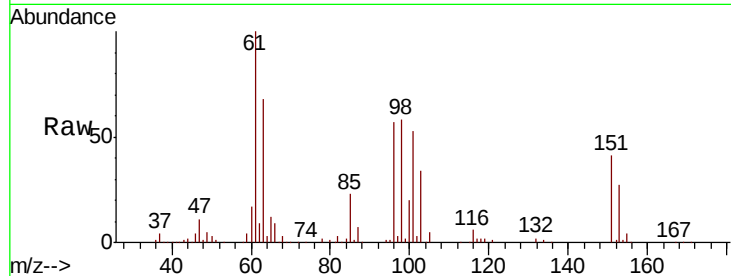
Tot Ion:101 Resp: 99104

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

151 76.3 59.1 88.7



#12

1,1-Dichloroethene

Concen: 49.645 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

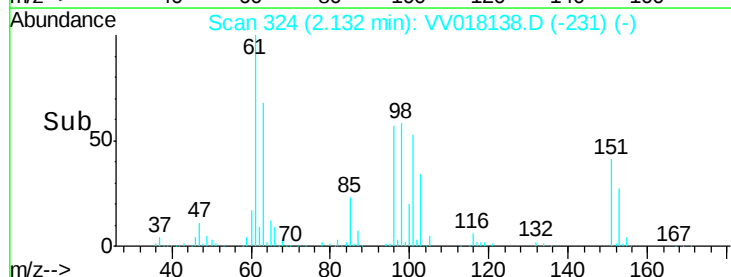
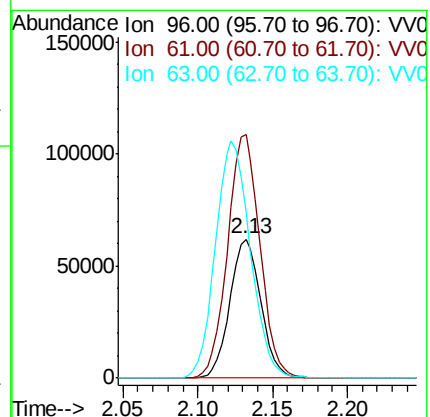
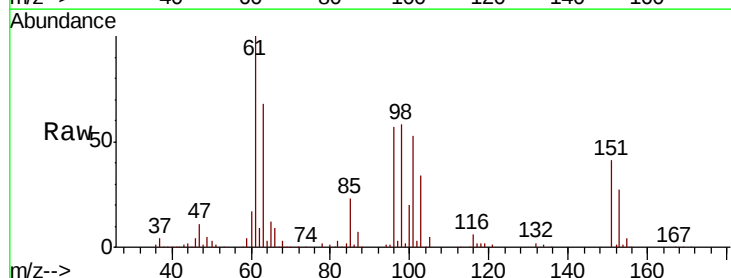
Tgt Ion: 96 Resp: 89513

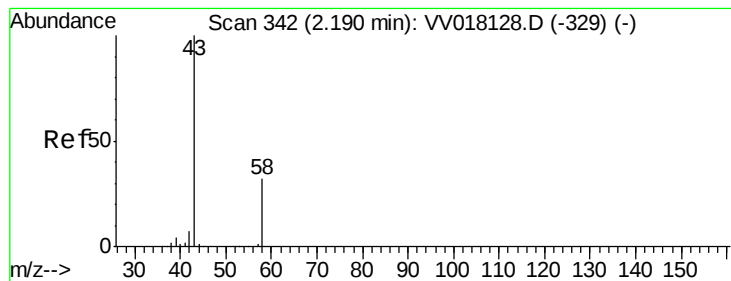
Ion Ratio Lower Upper

96 100

61 174.9 127.1 236.0

63 118.8 95.2 176.8





#13

Acetone

Concen: 113.746 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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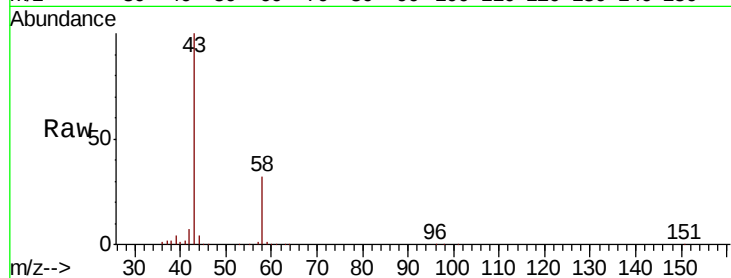
VSTD05090

Tot Ion: 43 Resp: 157814

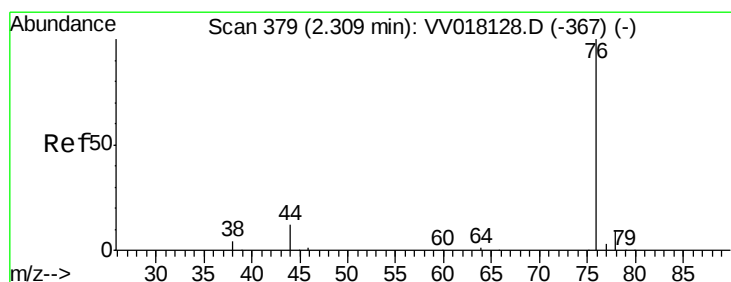
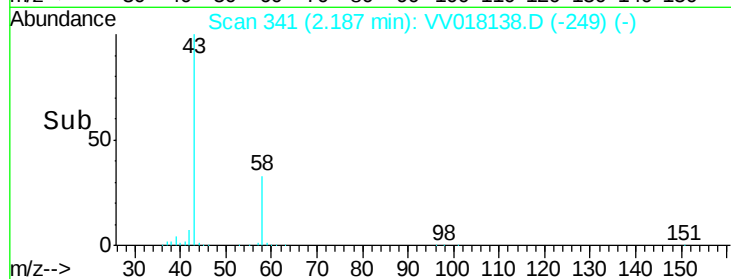
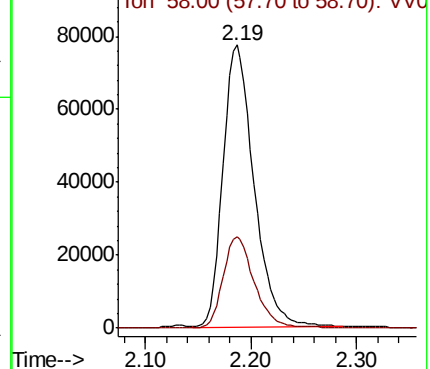
Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018138.D (-249) (-)



#14

Carbon disulfide

Concen: 46.675 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018138.D

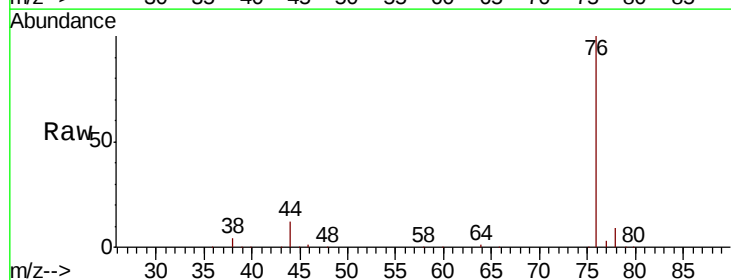
Acq: 28 Aug 2020 16:04

Tgt Ion: 76 Resp: 231633

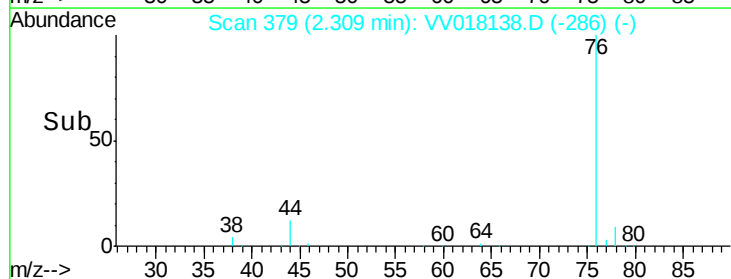
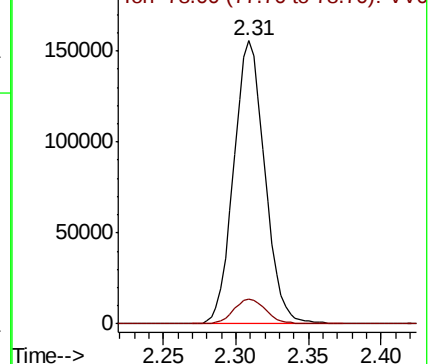
Ion Ratio Lower Upper

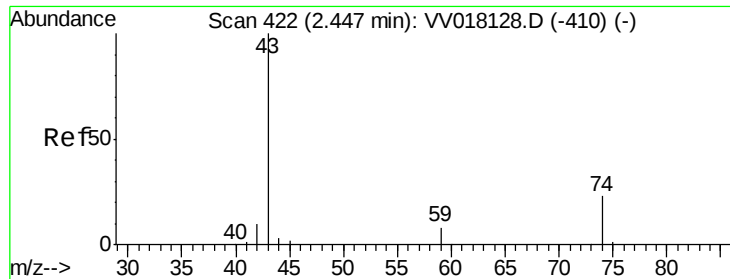
76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018138.D (-286) (-)





#15

Methvl Acetate

Concen: 47.677 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

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ClientSampleId :

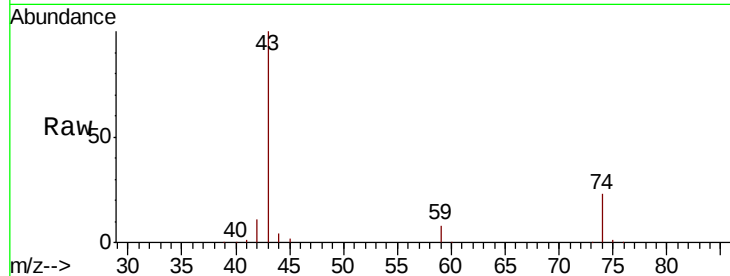
VSTD05090

Tot Ion: 43 Resp: 106749

Ion Ratio Lower Upper

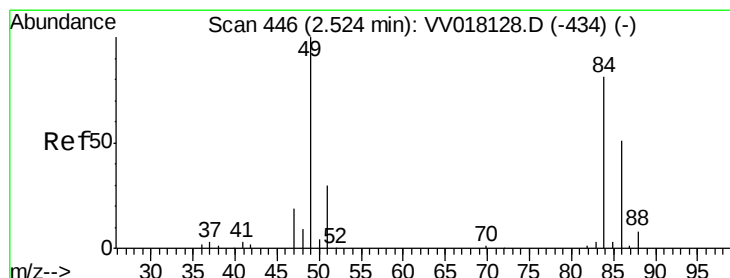
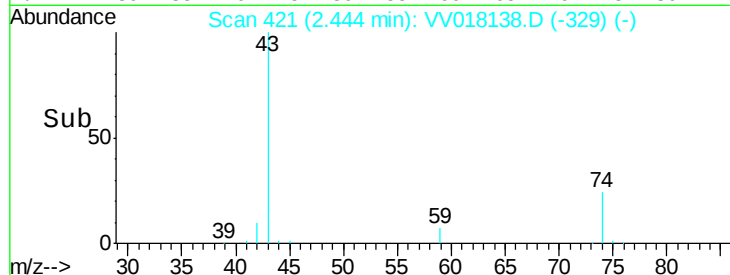
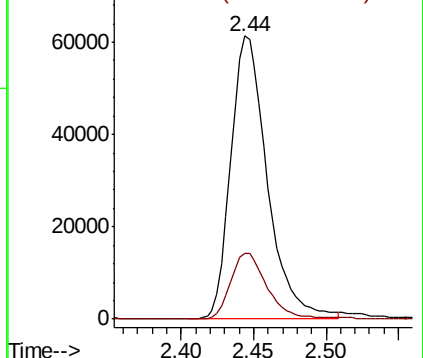
43 100

74 23.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 48.295 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

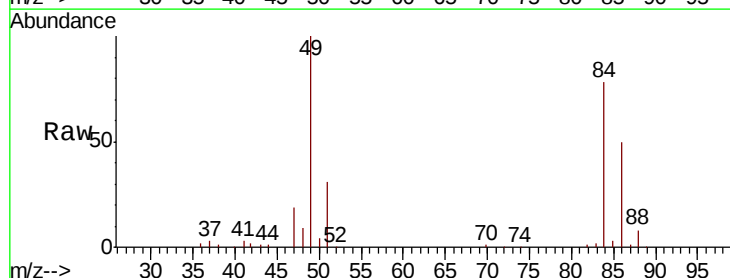
Tgt Ion: 84 Resp: 110938

Ion Ratio Lower Upper

84 100

86 63.4 46.3 85.9

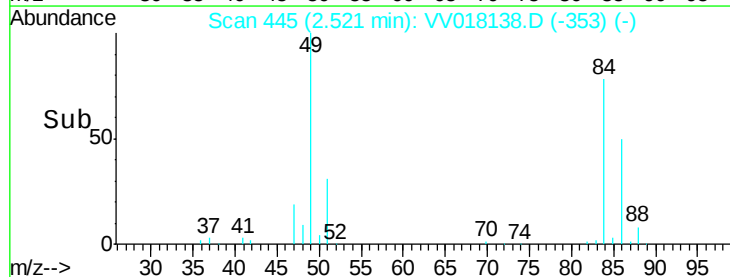
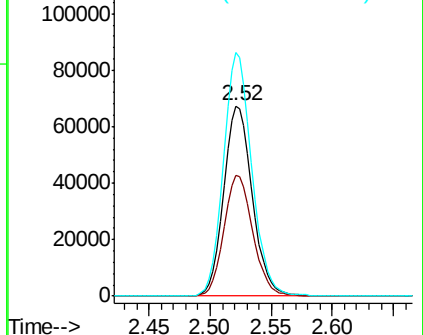
49 128.0 89.7 166.5

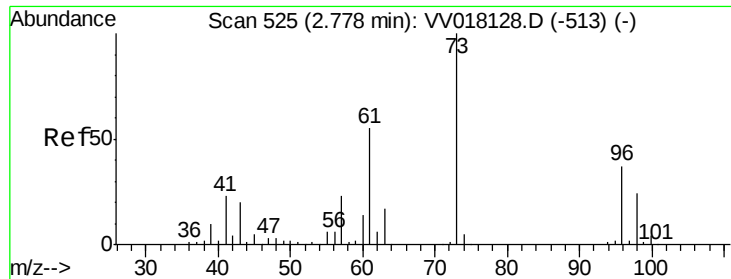


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 49.505 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

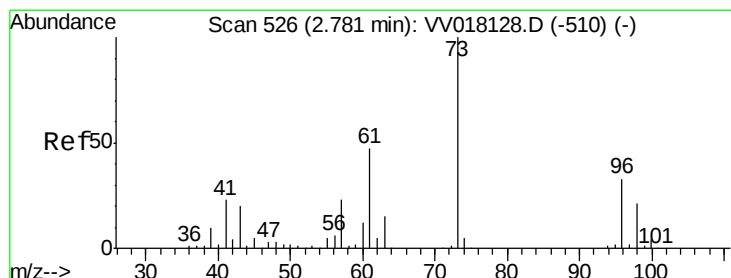
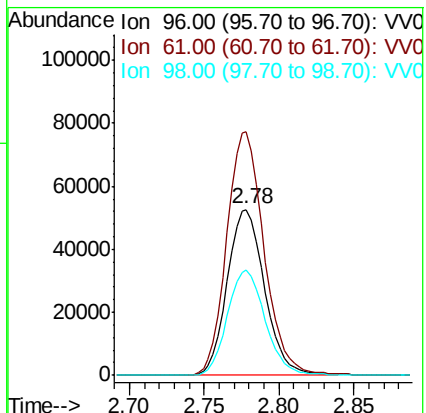
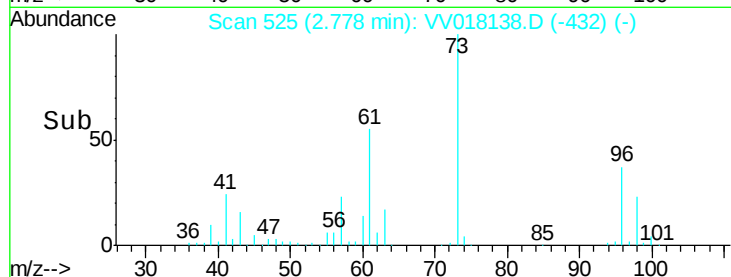
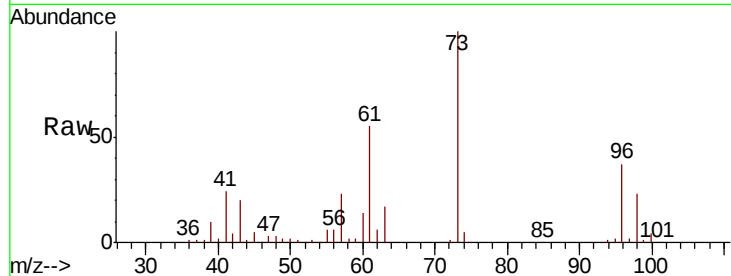
Tot Ion: 96 Resp: 91756

Ion Ratio Lower Upper

96 100

61 146.7 102.4 190.2

98 63.1 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 50.810 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

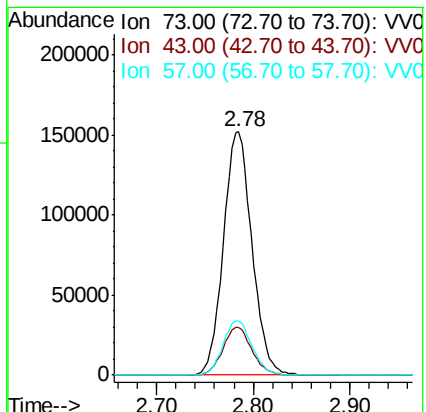
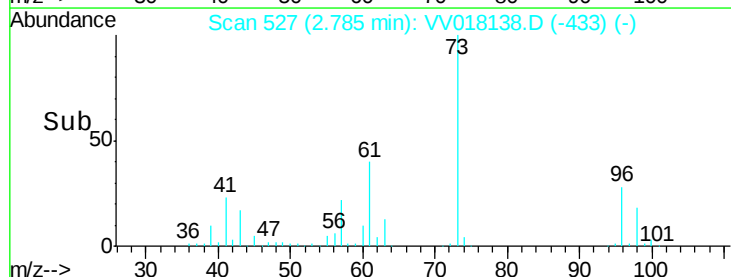
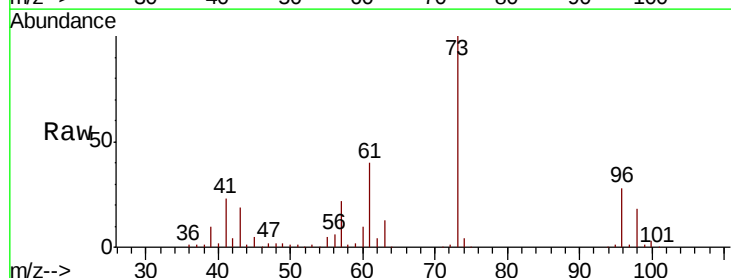
Tgt Ion: 73 Resp: 311453

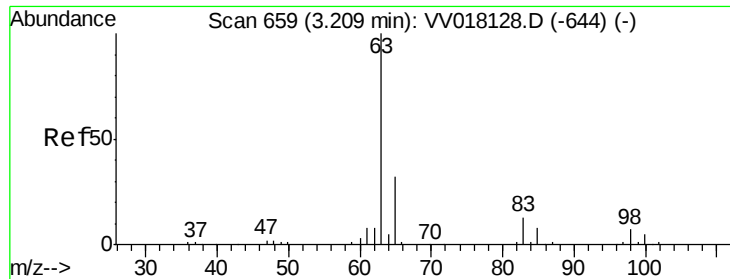
Ion Ratio Lower Upper

73 100

43 20.0 15.9 23.9

57 22.8 18.1 27.1

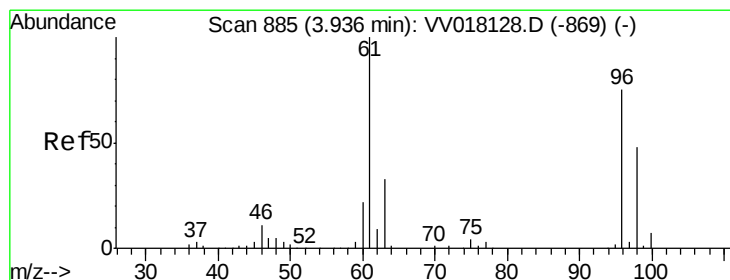
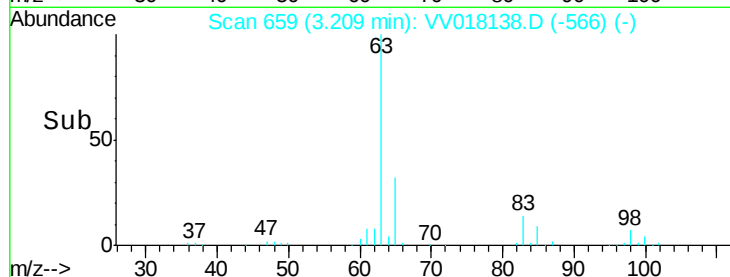
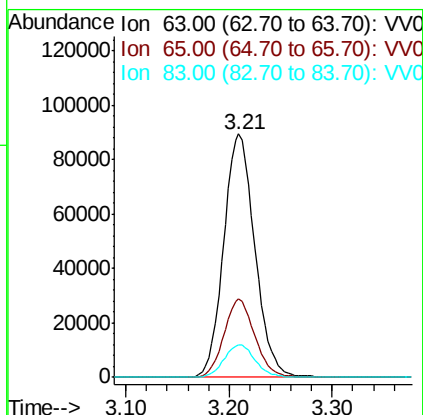
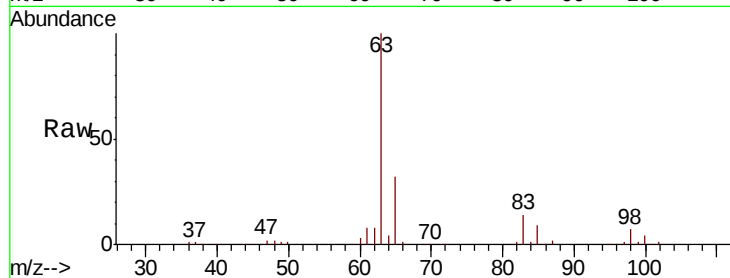




#19
 1,1-Dichloroethane
 Concen: 50.498 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

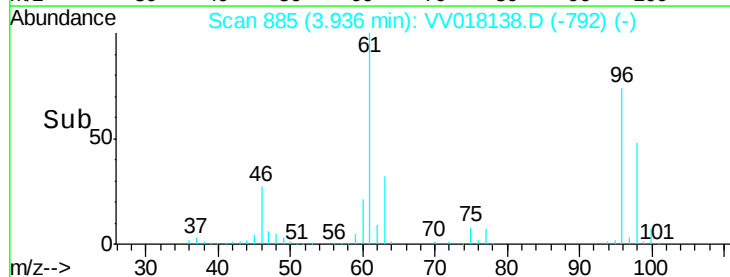
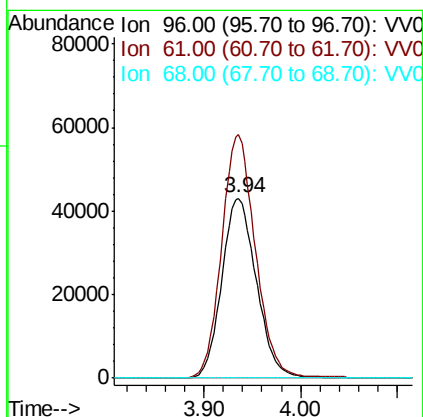
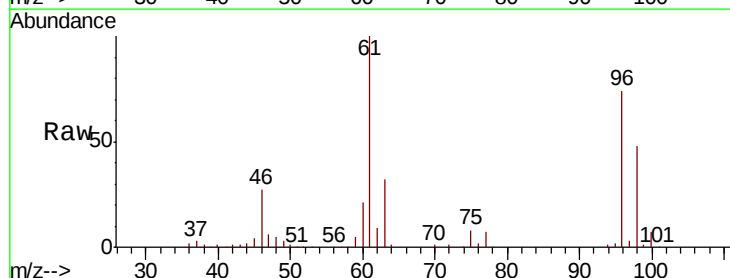
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

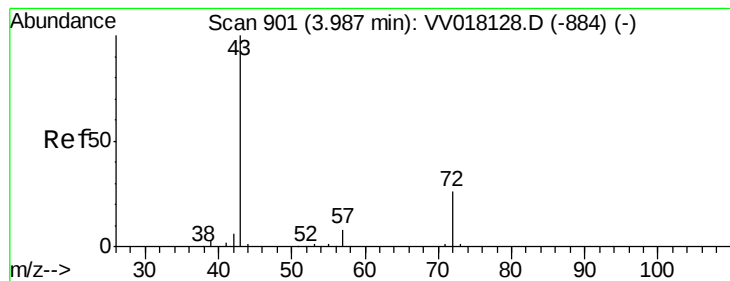
Tot Ion: 63 Resp: 188200
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.5 41.7
 83 13.5 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 52.499 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

Tgt Ion: 96 Resp: 106929
 Ion Ratio Lower Upper
 96 100
 61 135.6 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 111.811 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

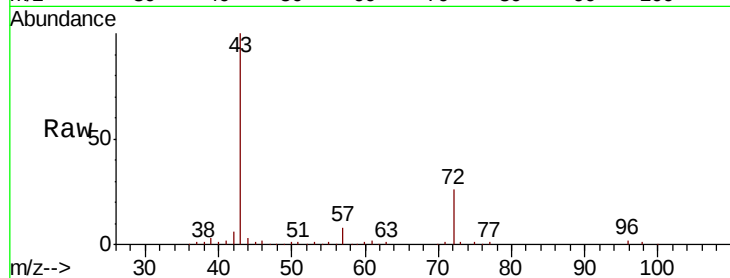
VSTD05090

Tot Ion: 43 Resp: 174029

Ion Ratio Lower Upper

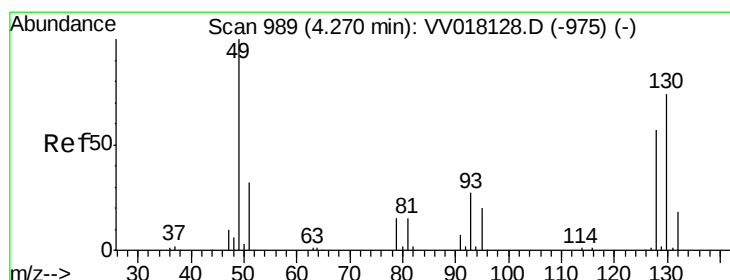
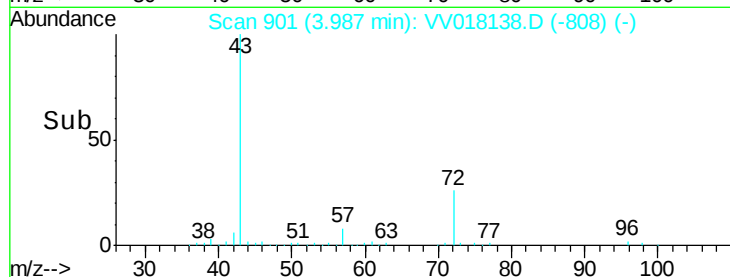
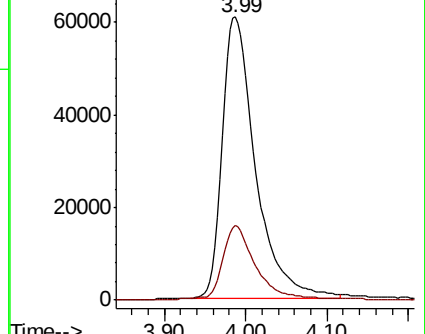
43 100

72 26.4 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018138.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV018138.D (-884) (-)



#23

Bromochloromethane

Concen: 51.601 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Tgt Ion:128 Resp: 54904

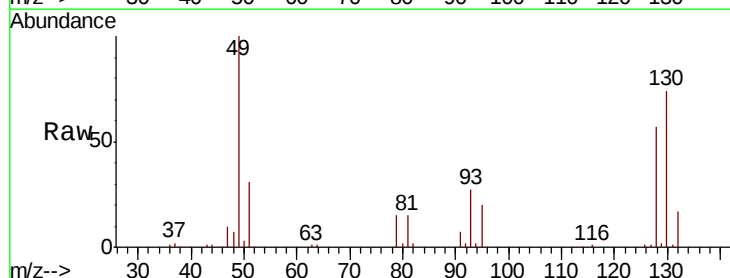
Ion Ratio Lower Upper

128 100

49 175.9 125.6 233.3

130 129.5 89.9 167.0

51 55.4 45.8 68.6

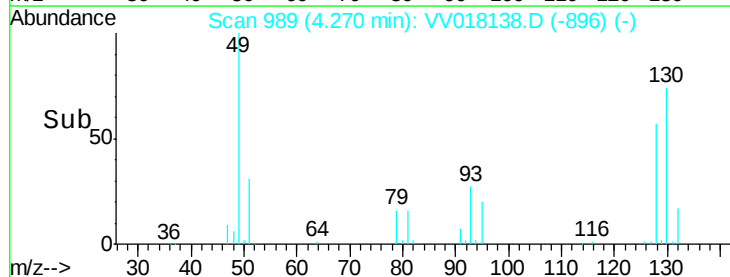
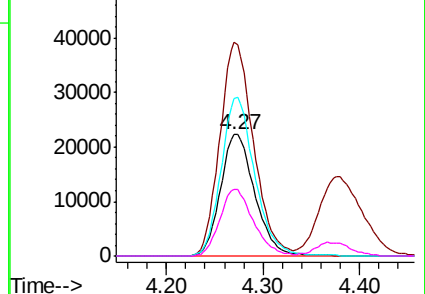


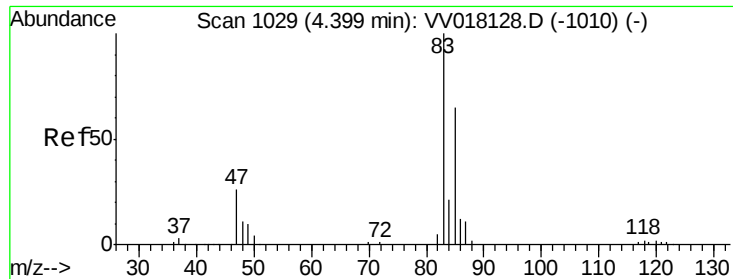
Abundance Ion 128.00 (127.70 to 128.70): VV018138.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV018138.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV018138.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV018138.D (-975) (-)

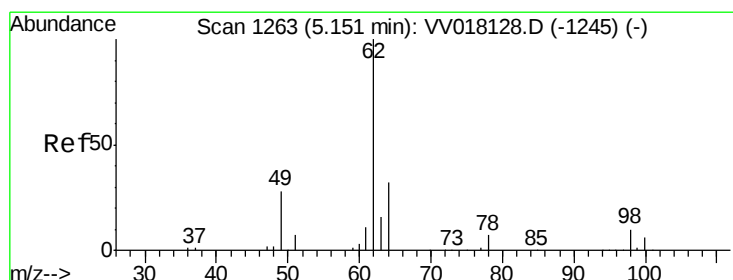
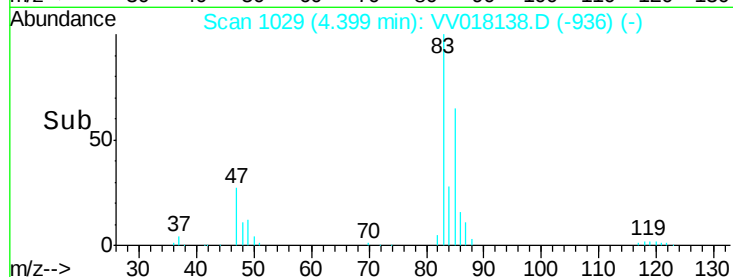
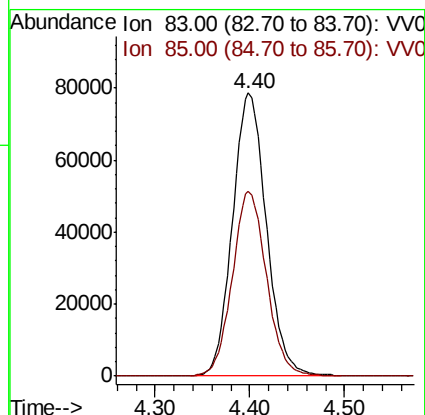
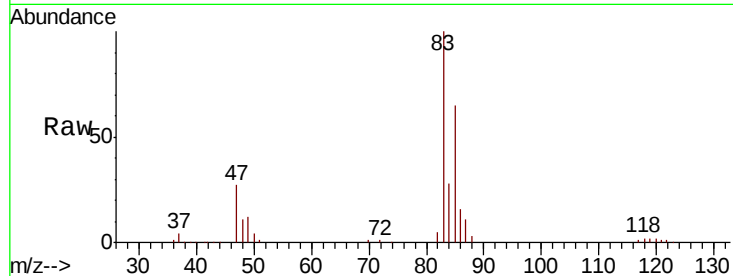




#25
Chloroform
Concen: 51.486 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018138.D
Acq: 28 Aug 2020 16:04

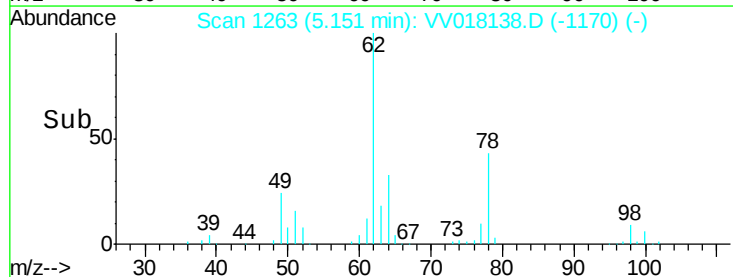
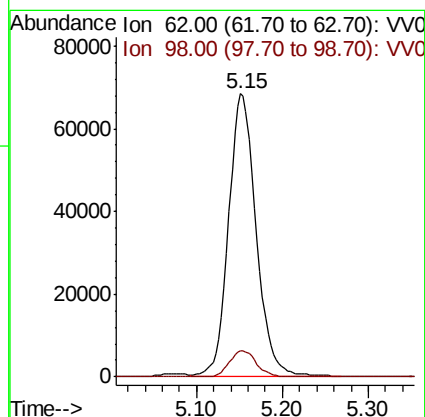
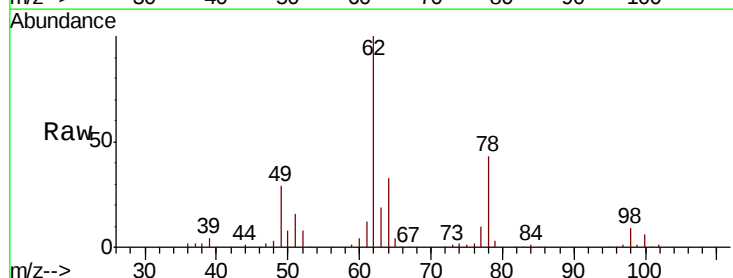
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

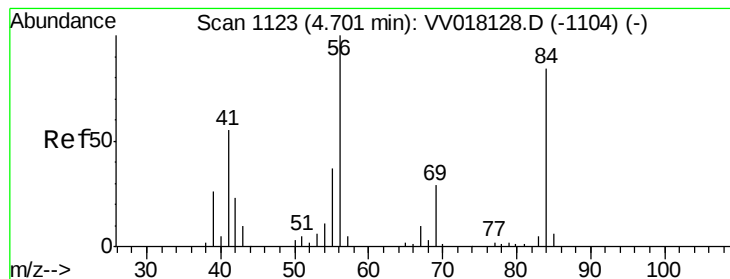
Tot Ion: 83 Resp: 195710
Ion Ratio Lower Upper
83 100
85 65.4 45.5 84.5



#27
1,2-Dichloroethane
Concen: 50.184 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018138.D
Acq: 28 Aug 2020 16:04

Tgt Ion: 62 Resp: 151838
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7





#29

Cyclohexane

Concen: 47.513 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

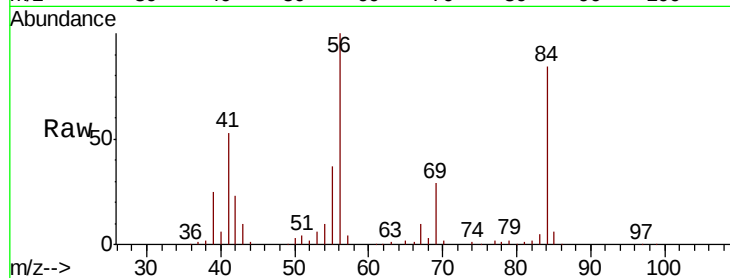
Tot Ion: 56 Resp: 153407

Ion Ratio Lower Upper

56 100

69 30.1 23.8 35.8

84 84.8 66.8 100.2

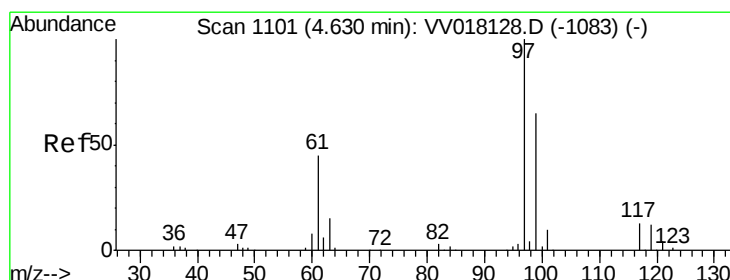
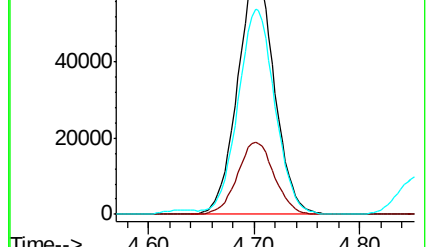
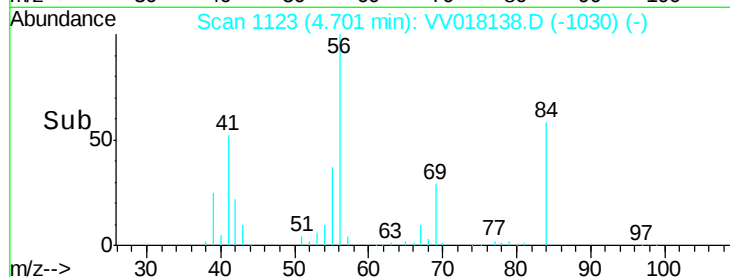


Abundance Ion 56.00 (55.70 to 56.70): VV018128.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018128.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018128.D (-1104) (-)

Time-->



#30

1,1,1-Trichloroethane

Concen: 50.001 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

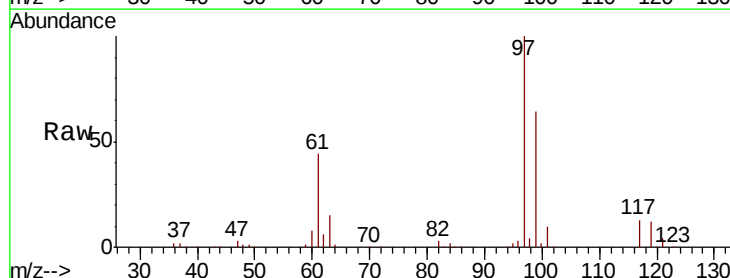
Tgt Ion: 97 Resp: 163915

Ion Ratio Lower Upper

97 100

99 64.7 50.6 76.0

61 44.9 37.0 55.6

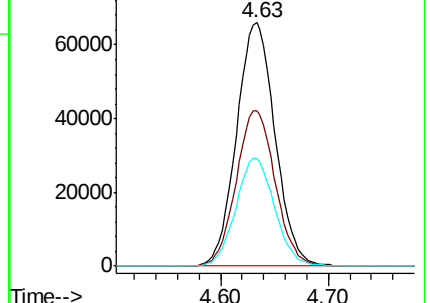
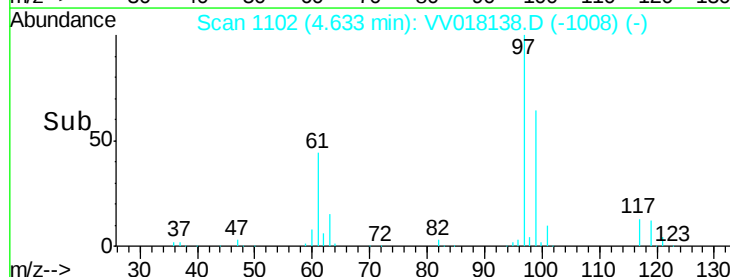


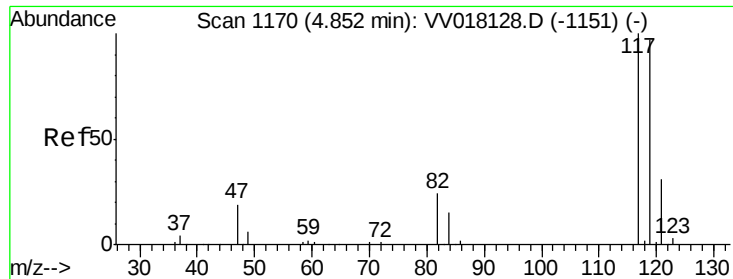
Abundance Ion 97.00 (96.70 to 97.70): VV018128.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV018128.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV018128.D (-1083) (-)

Time-->





#31

Carbon tetrachloride

Concen: 51.992 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

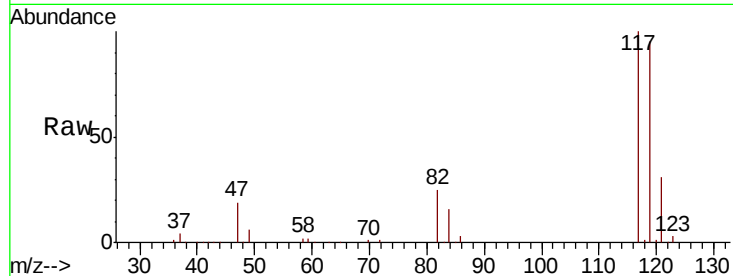
VSTD05090

Tot Ion:117 Resp: 141890

Ion Ratio Lower Upper

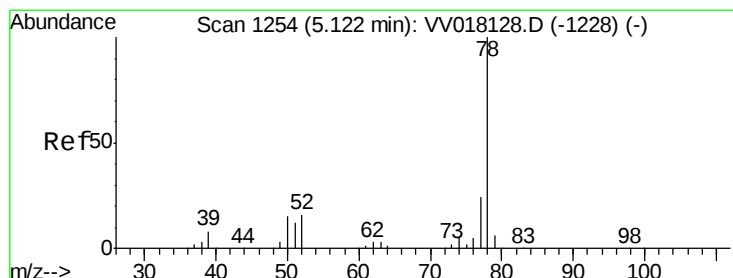
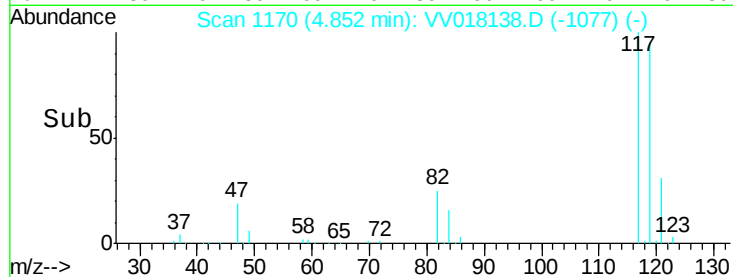
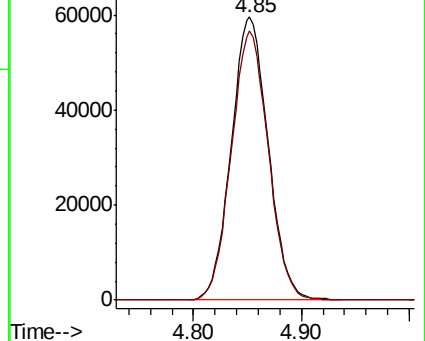
117 100

119 95.2 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.522 ug/L

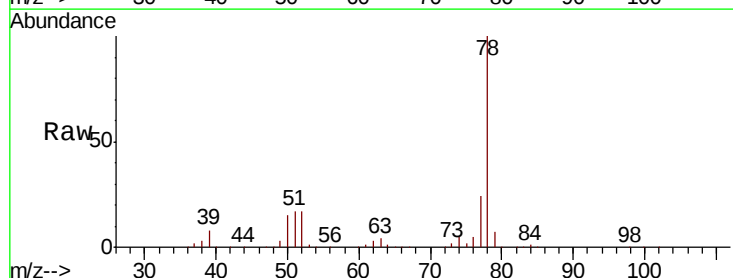
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

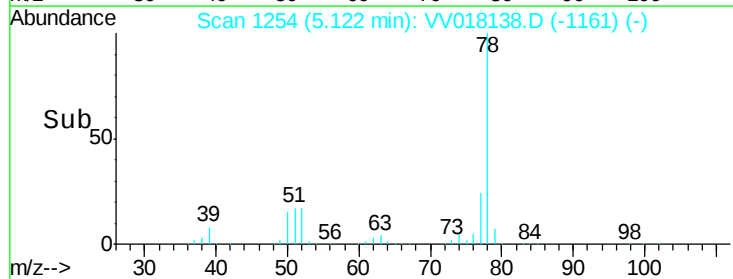
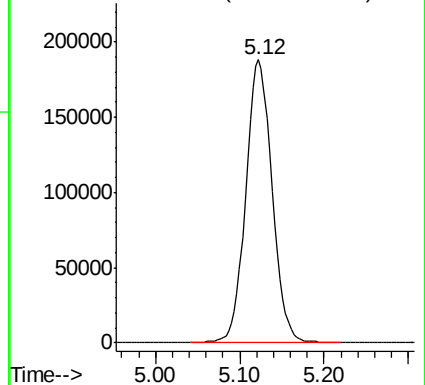
Lab File: VV018138.D

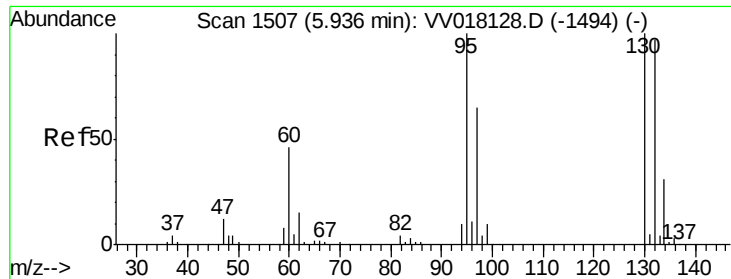
Acq: 28 Aug 2020 16:04

Tgt Ion: 78 Resp: 409868



Abundance Ion 78.00 (77.70 to 78.70): VV0

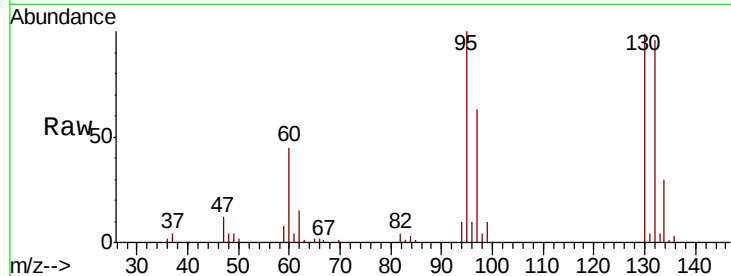




#34
 Trichloroethene
 Concen: 49.380 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Tot Ion:	95	Resp:	108029
Ion	Ratio	Lower	Upper
95	100		
97	62.8	46.0	85.4
132	96.1	65.8	122.2
130	99.0	69.2	128.6



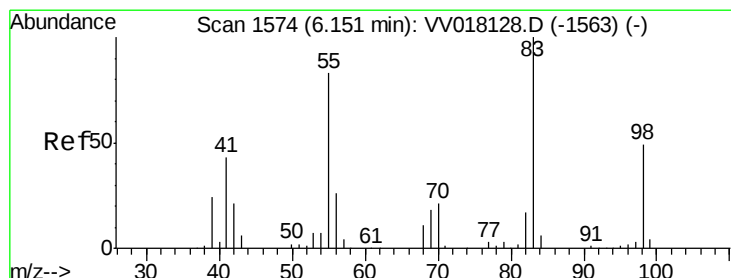
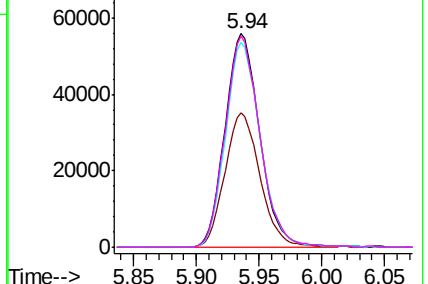
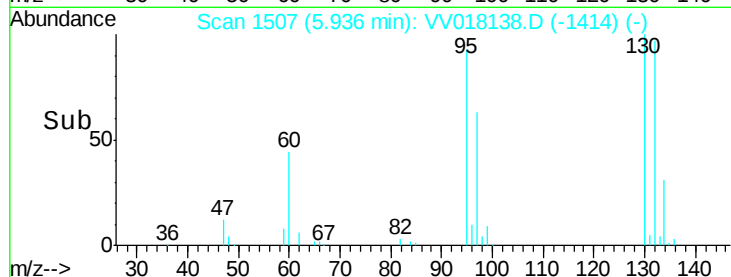
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

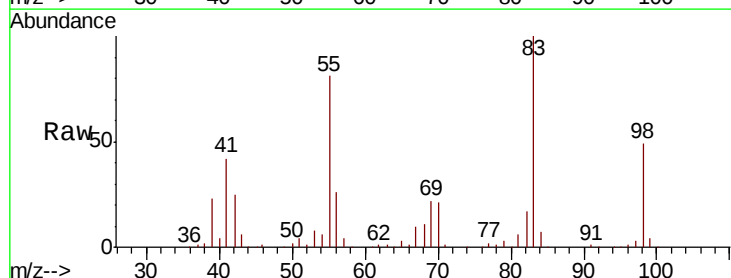
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 48.812 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

Tgt Ion:	83	Resp:	158790
Ion	Ratio	Lower	Upper
83	100		
55	80.3	64.9	97.3
98	48.5	38.7	58.1

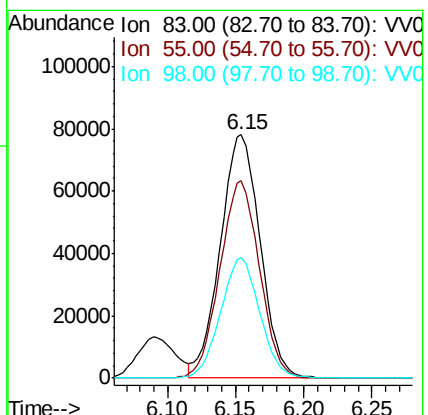
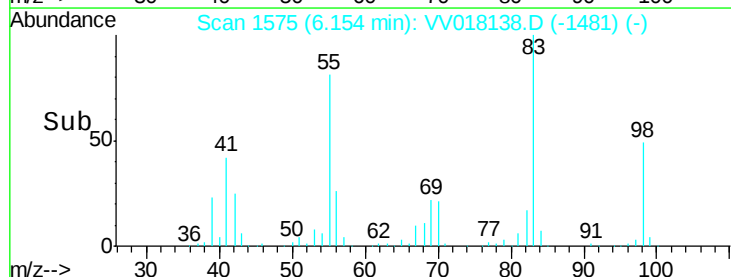


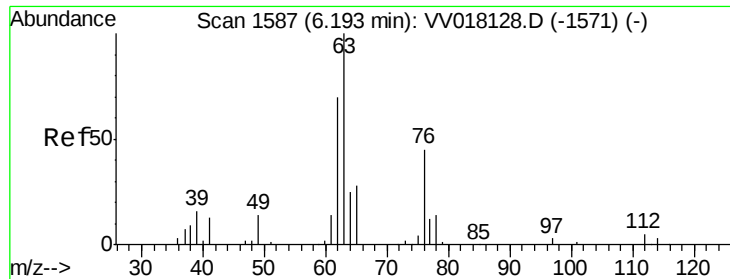
Abundance

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

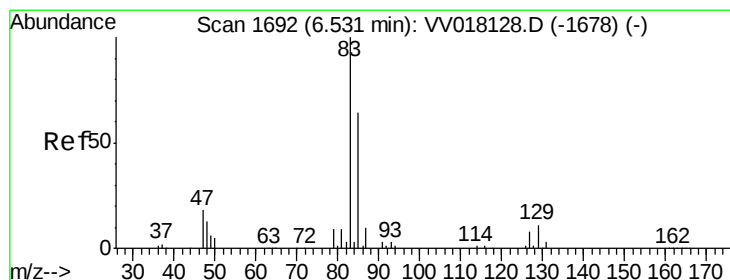
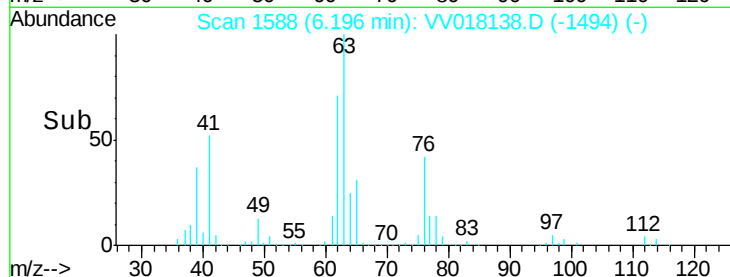
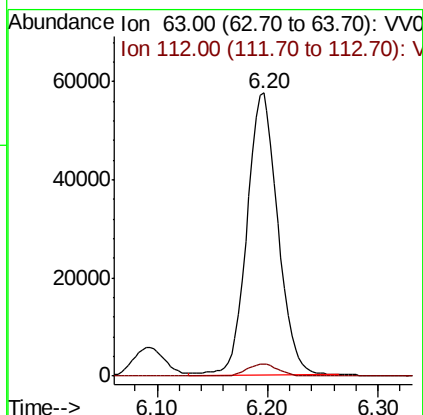
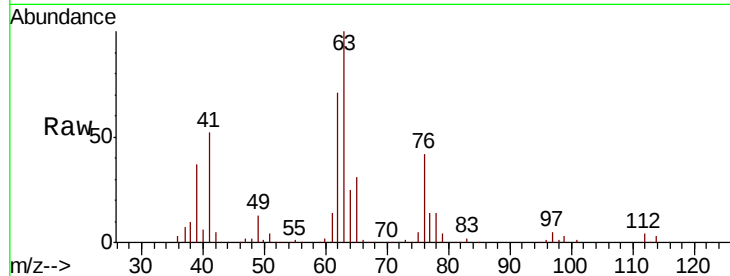




#37
 1,2-Dichloropropane
 Concen: 49.487 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

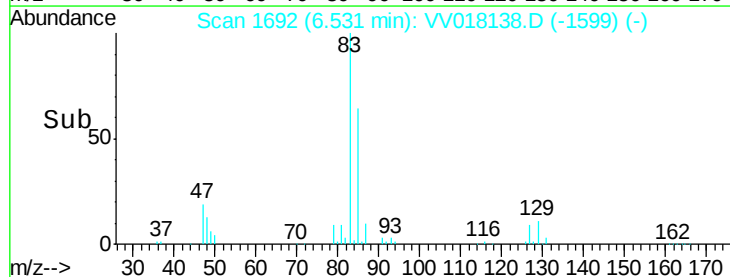
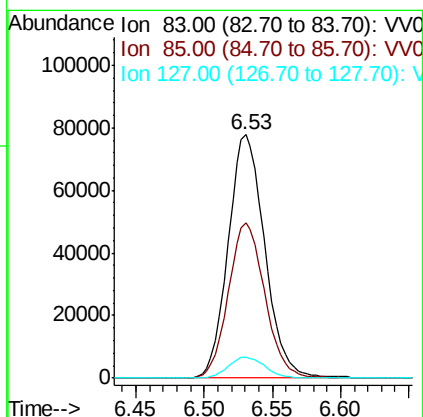
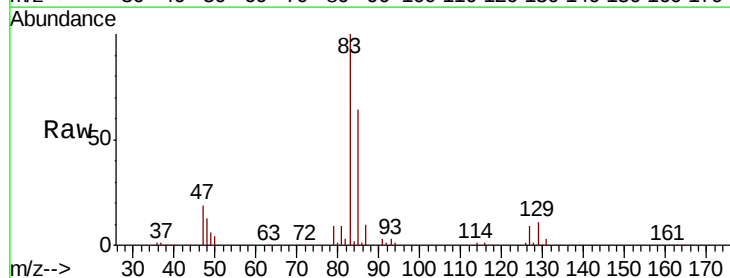
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

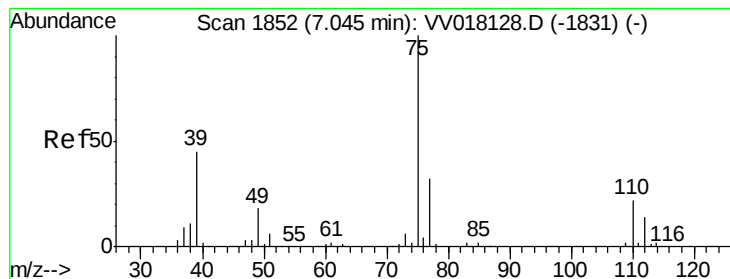
Tot Ion: 63 Resp: 111698
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 51.792 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

Tgt Ion: 83 Resp: 145202
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.3 82.3
 127 8.6 6.5 9.7



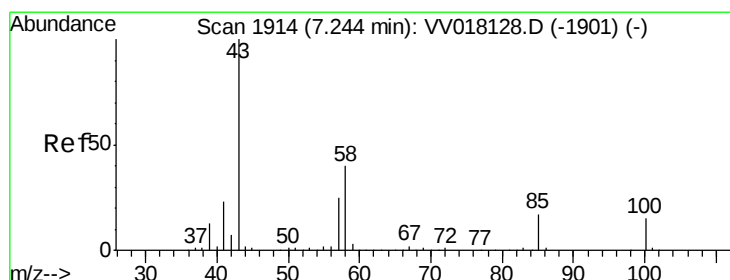
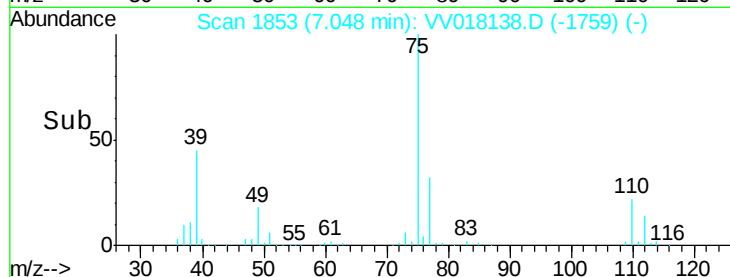
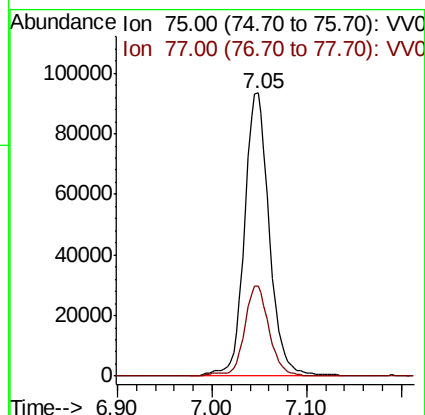
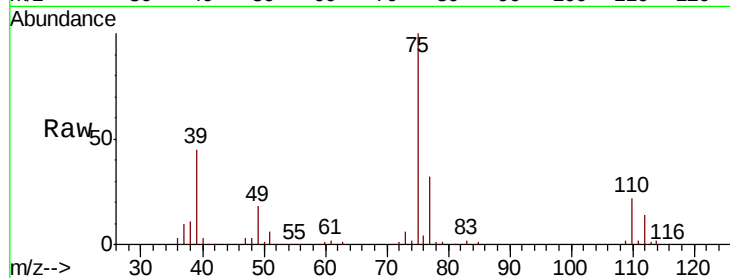


#39

cis-1,3-Dichloropropene
 Concen: 53.310 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

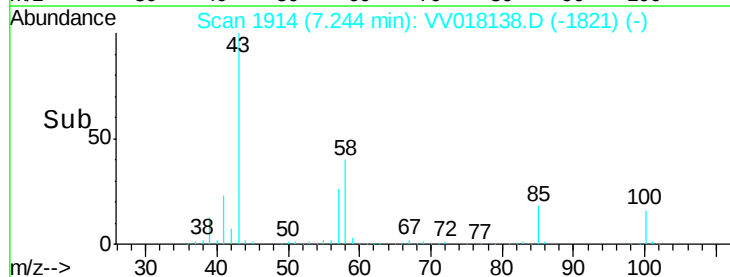
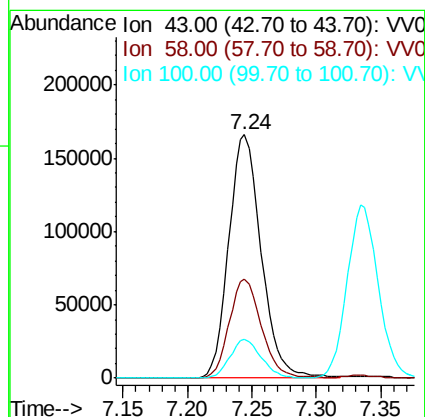
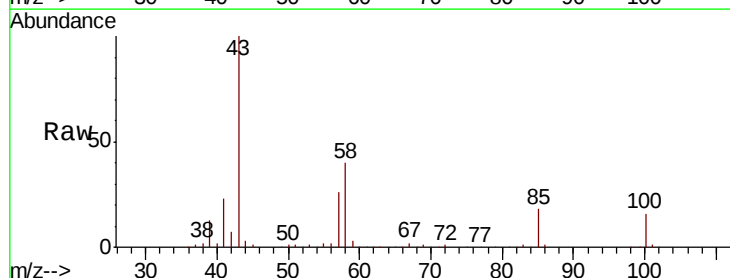
Tot Ion: 75 Resp: 170576
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5

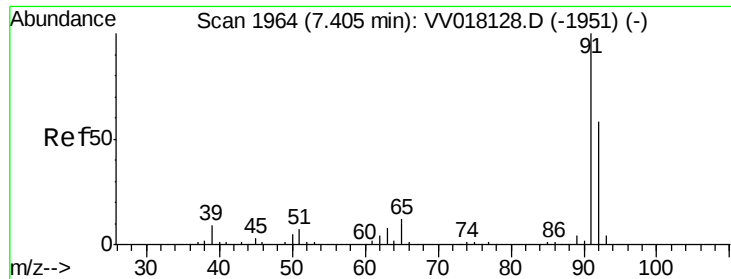


#40

4-Methyl-2-pentanone
 Concen: 98.604 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

Tgt Ion: 43 Resp: 290943
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.9 47.9
 100 15.3 12.2 18.2





#42

Toluene

Concen: 50.690 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

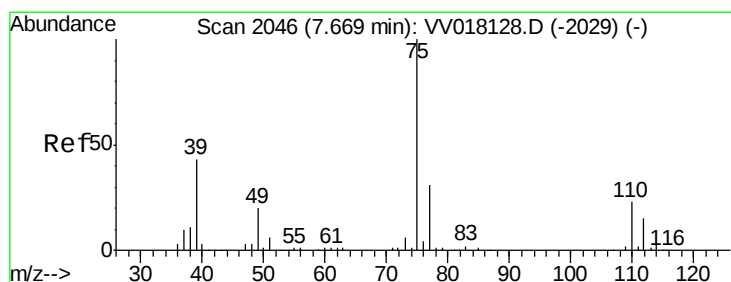
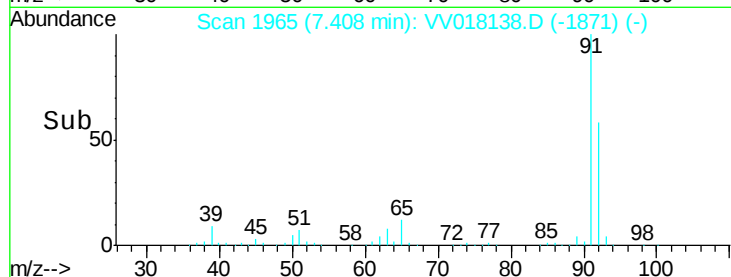
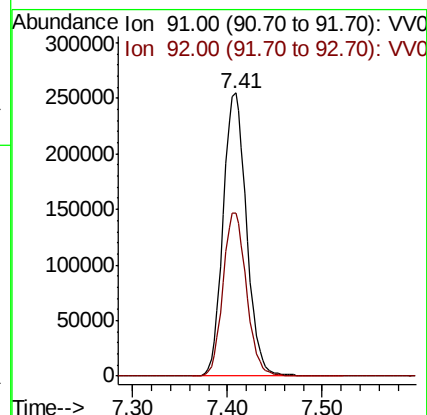
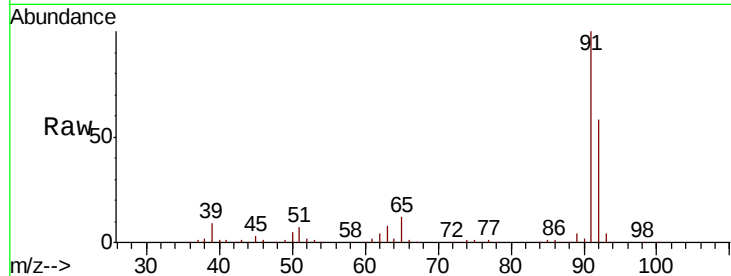
VSTD05090

Tot Ion: 91 Resp: 437777

Ion Ratio Lower Upper

91 100

92 57.8 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 55.500 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018138.D

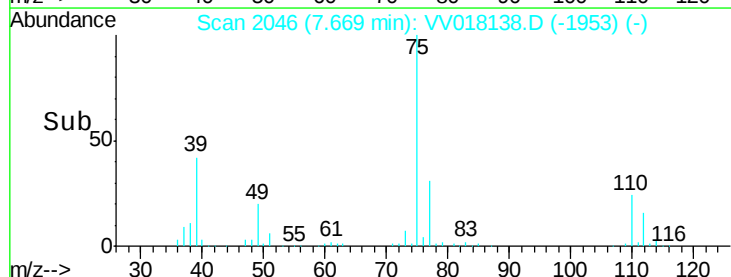
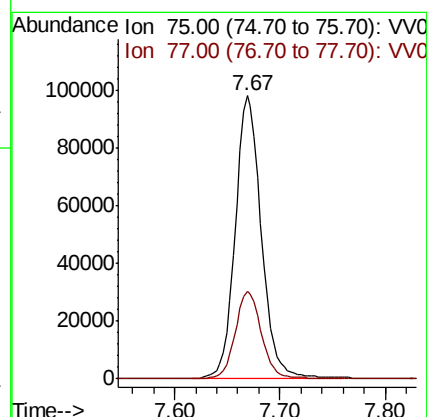
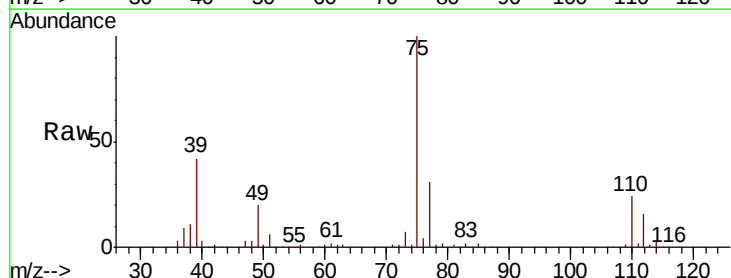
Acq: 28 Aug 2020 16:04

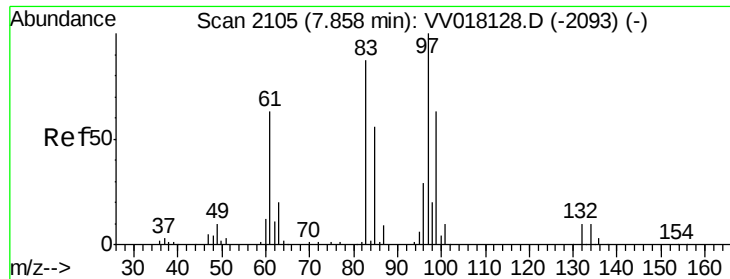
Tgt Ion: 75 Resp: 168495

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.5

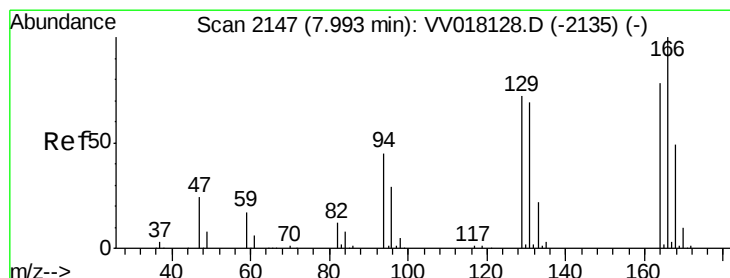
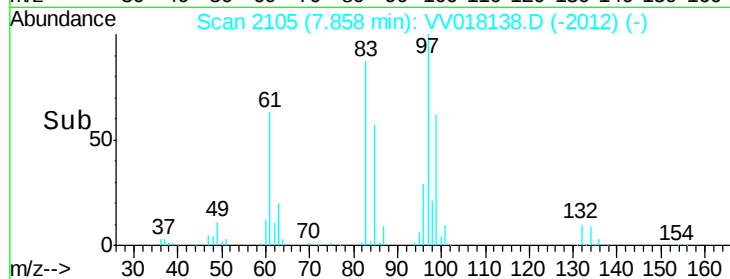
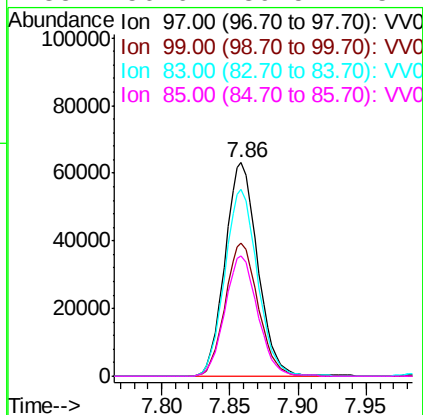
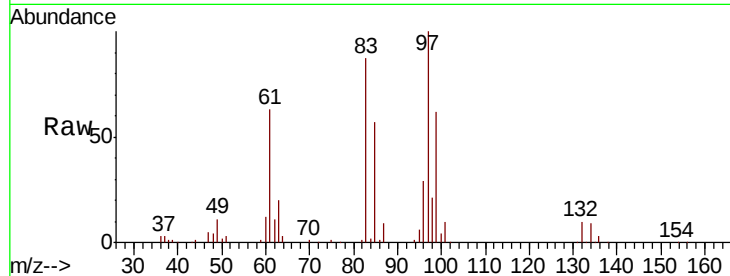




#45
 1,1,2-Trichloroethane
 Concen: 50.372 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

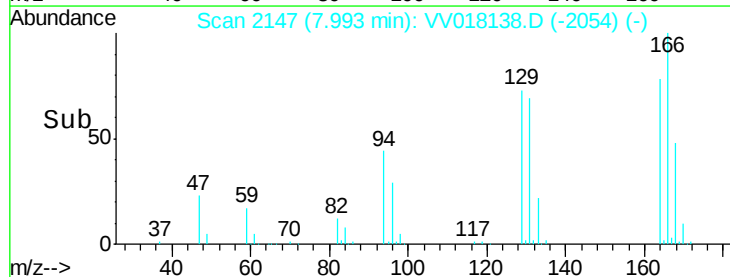
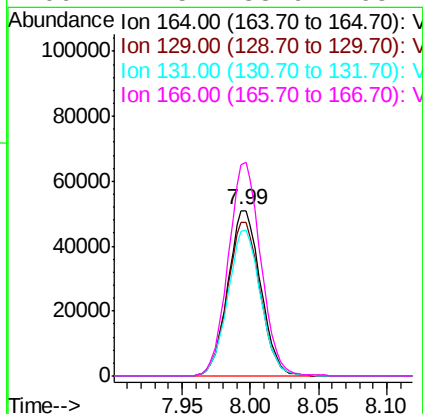
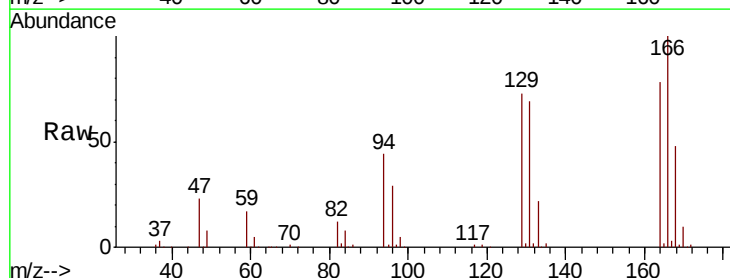
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

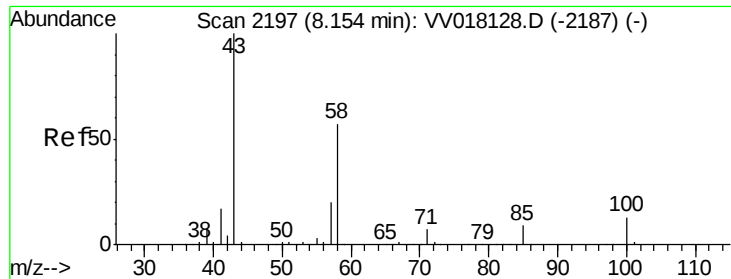
Tot Ion:	97	Resp:	105290
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.2	82.2
83	87.5	61.0	113.4
85	56.6	39.5	73.4



#46
 Tetrachloroethene
 Concen: 52.957 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

Tgt Ion:	164	Resp:	84967
Ion	Ratio	Lower	Upper
164	100		
129	93.3	64.8	120.3
131	87.8	64.5	119.9
166	127.5	88.9	165.1

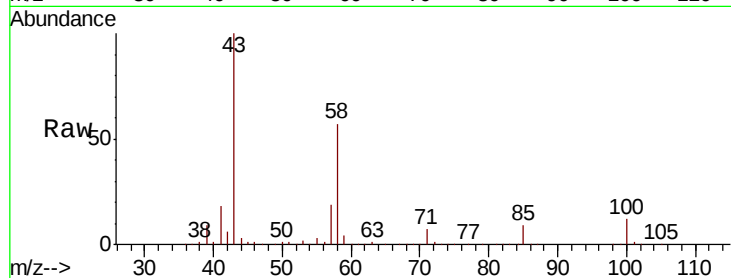




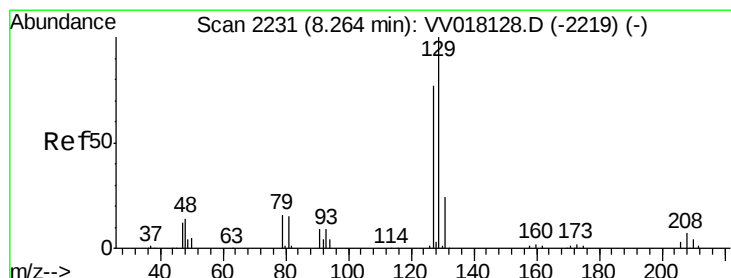
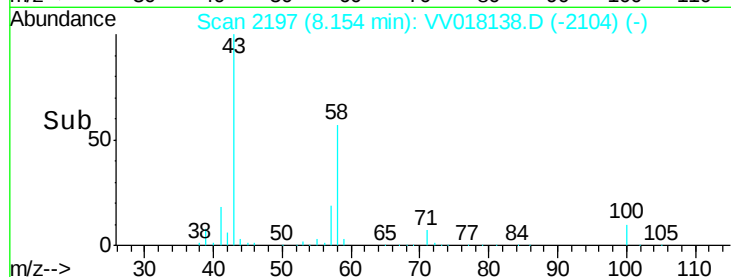
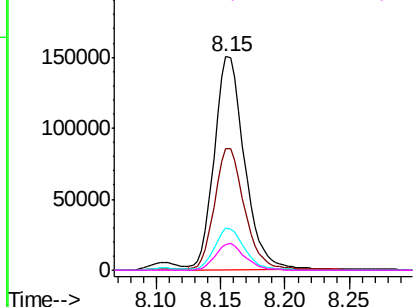
#48
2-Hexanone
Concen: 102.591 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV018138.D
Acq: 28 Aug 2020 16:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

Tot Ion: 43 Resp: 244099
Ion Ratio Lower Upper
43 100
58 56.6 44.4 66.6
57 19.4 15.2 22.8
100 12.3 9.8 14.6

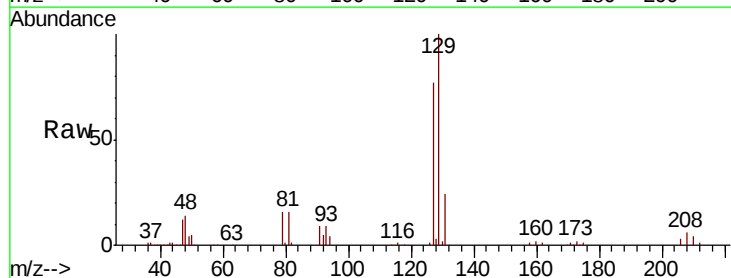


Abundance Ion 43.00 (42.70 to 43.70): VV018138.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV018138.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV018138.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV018138.D (-2197) (-)

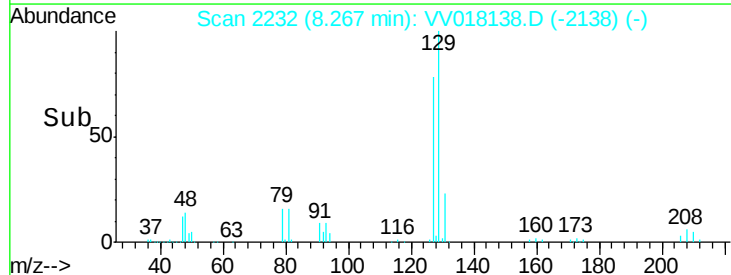
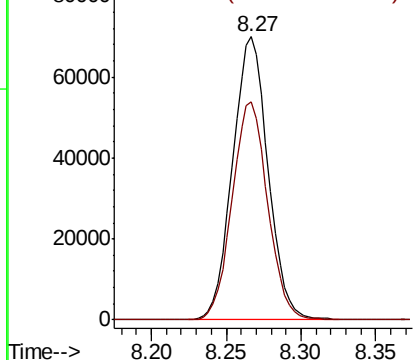


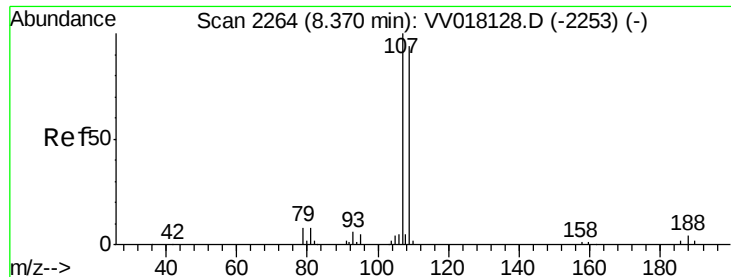
#49
Dibromochloromethane
Concen: 56.636 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018138.D
Acq: 28 Aug 2020 16:04

Tgt Ion: 129 Resp: 115552
Ion Ratio Lower Upper
129 100
127 77.0 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018138.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VV018138.D (-2231) (-)

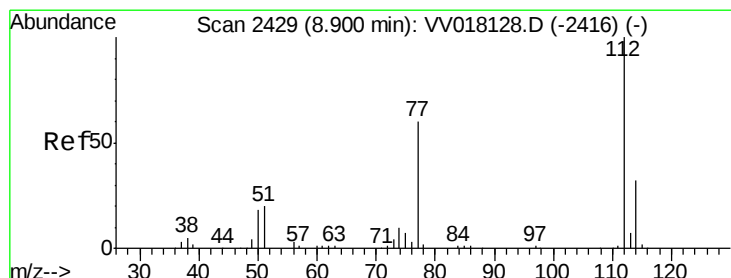
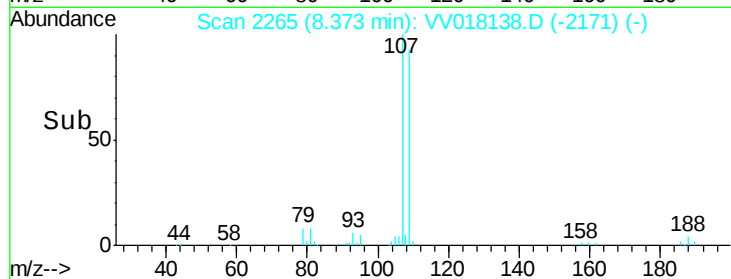
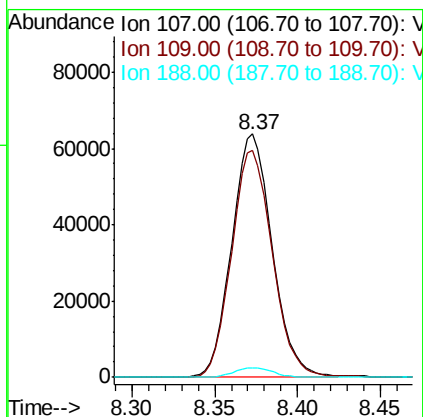
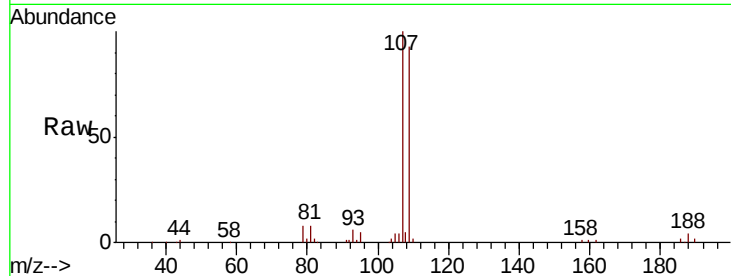




#50
 1,2-Dibromoethane
 Concen: 49.892 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

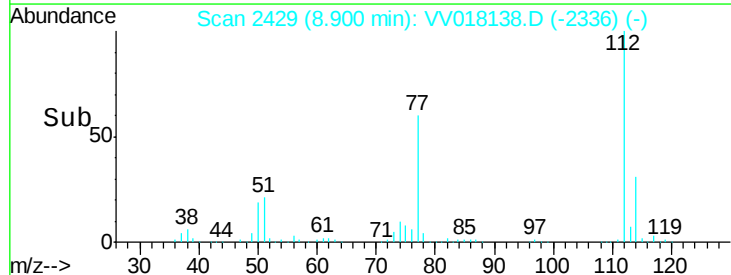
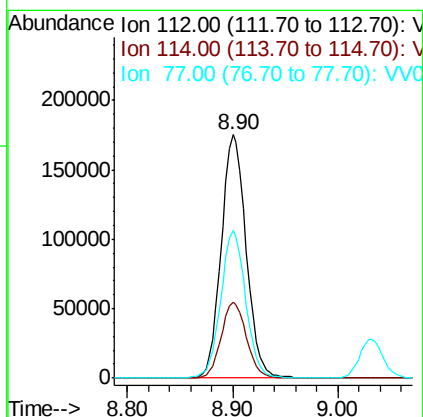
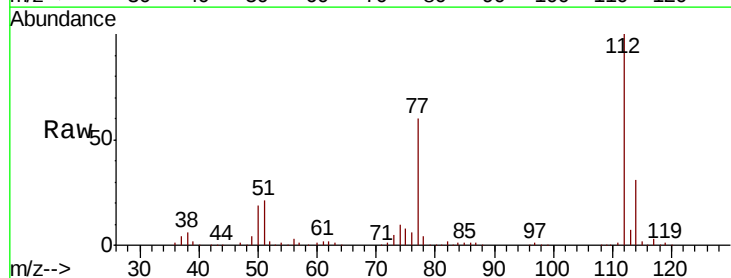
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

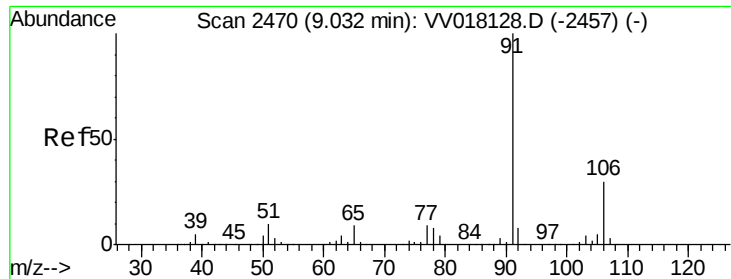
Tot Ion:107 Resp: 107898
 Ion Ratio Lower Upper
 107 100
 109 93.2 67.5 125.4
 188 4.1 3.4 5.0



#51
 Chlorobenzene
 Concen: 51.585 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

Tgt Ion:112 Resp: 286530
 Ion Ratio Lower Upper
 112 100
 114 31.2 22.7 42.3
 77 60.4 49.4 74.2





#52

Ethylbenzene

Concen: 51.668 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

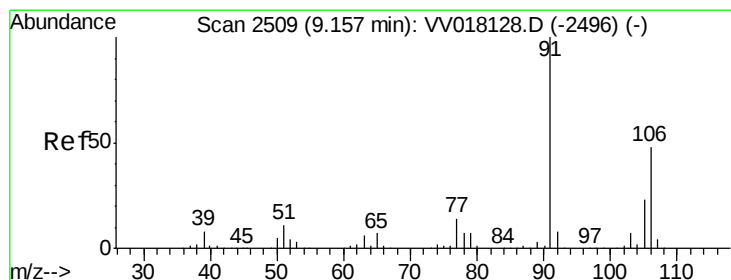
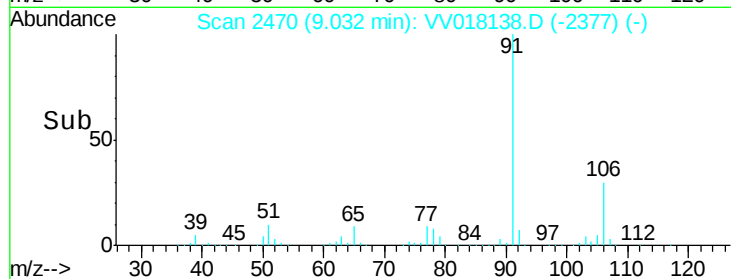
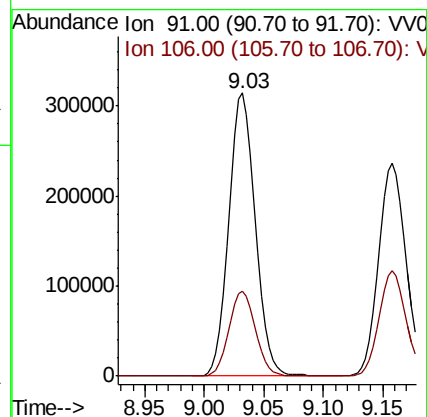
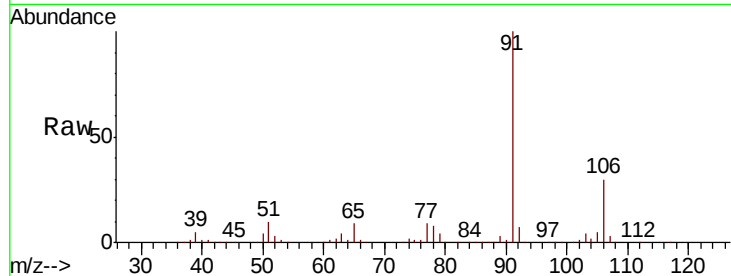
VSTD05090

Tot Ion: 91 Resp: 486540

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.3



#53

m,p-Xylene

Concen: 53.125 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018138.D

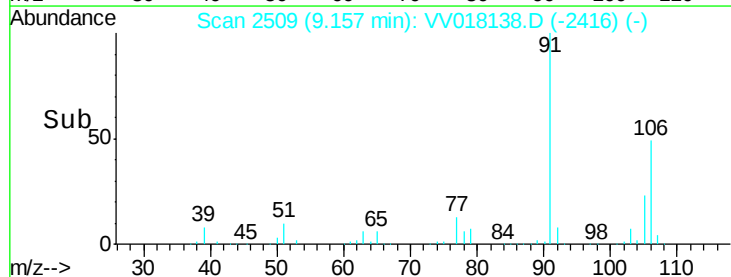
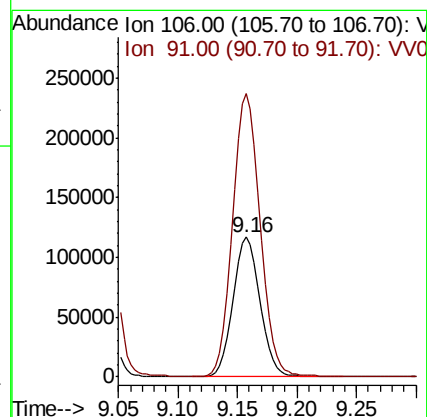
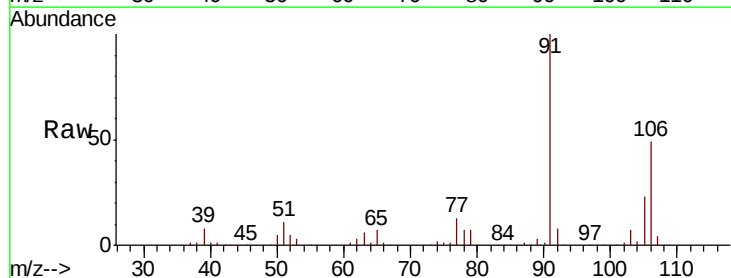
Acq: 28 Aug 2020 16:04

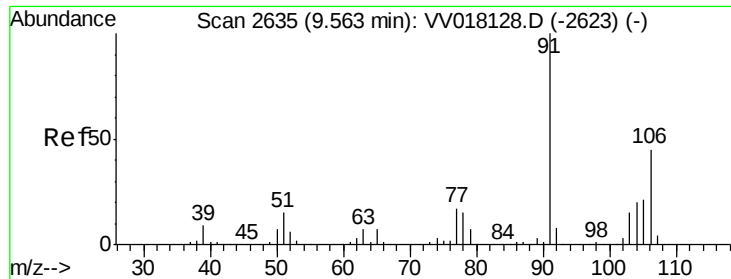
Tgt Ion: 106 Resp: 183996

Ion Ratio Lower Upper

106 100

91 202.8 147.3 273.6

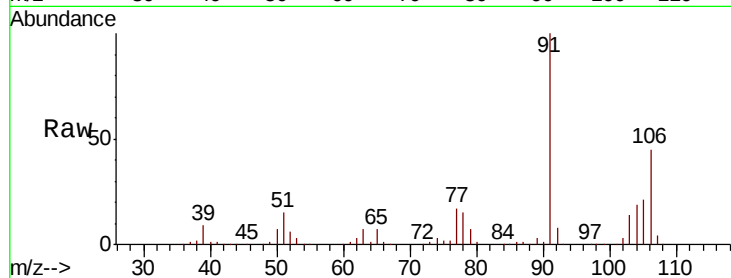




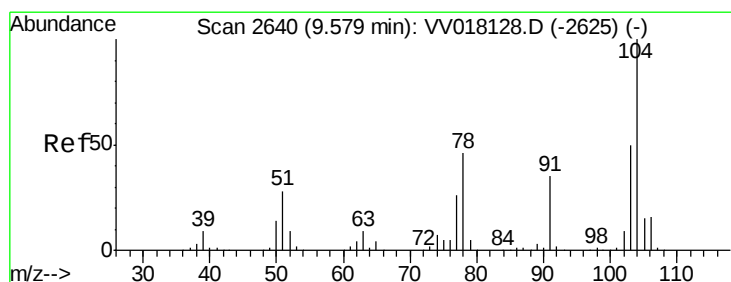
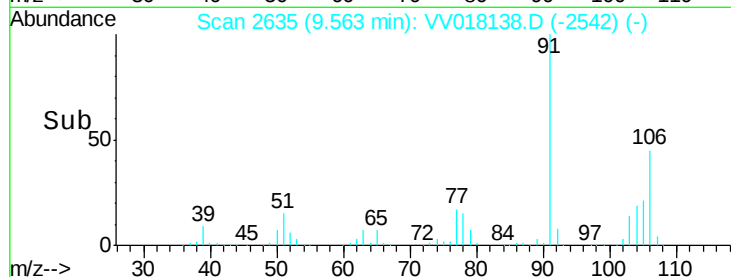
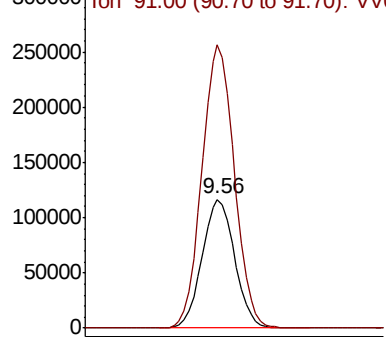
#54
o-xylene
Concen: 51.589 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018138.D
Acq: 28 Aug 2020 16:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

Tot Ion:106 Resp: 176572
Ion Ratio Lower Upper
106 100
91 220.0 156.0 289.8

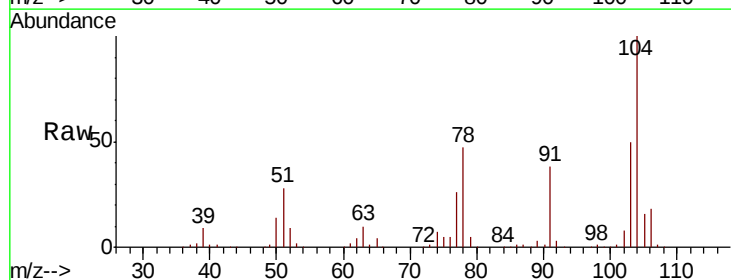


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

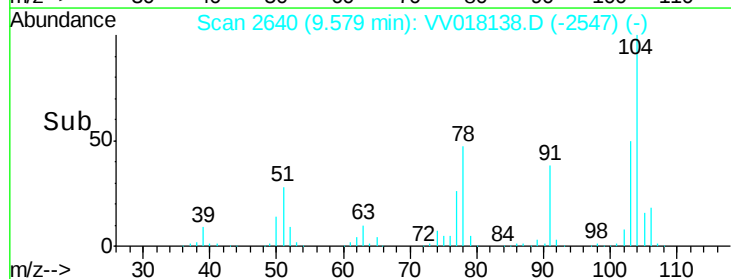
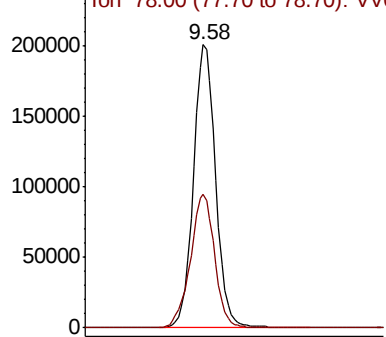


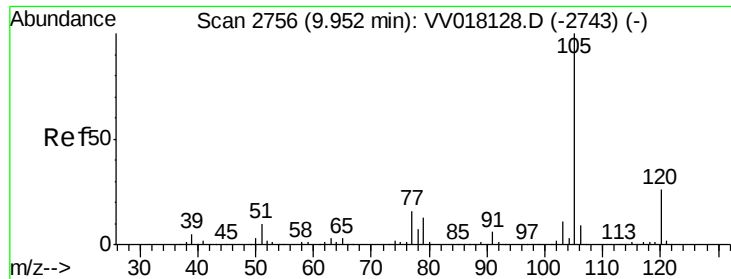
#55
Styrene
Concen: 54.432 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018138.D
Acq: 28 Aug 2020 16:04

Tgt Ion:104 Resp: 319045
Ion Ratio Lower Upper
104 100
78 47.4 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.173 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

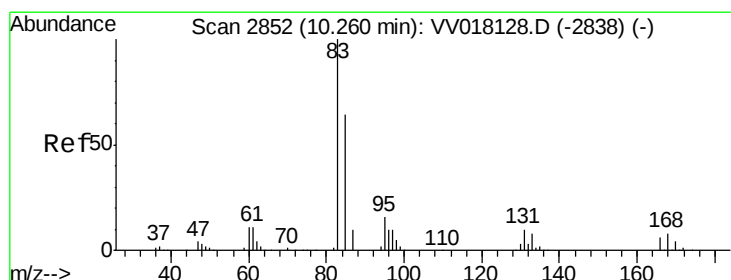
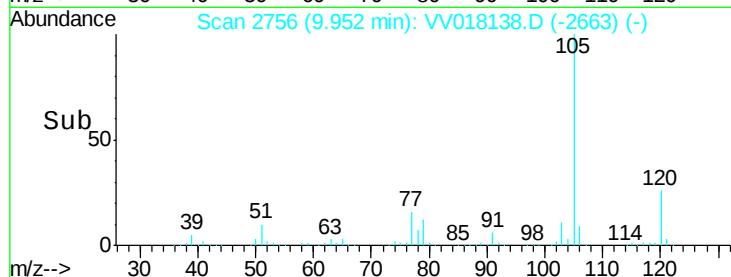
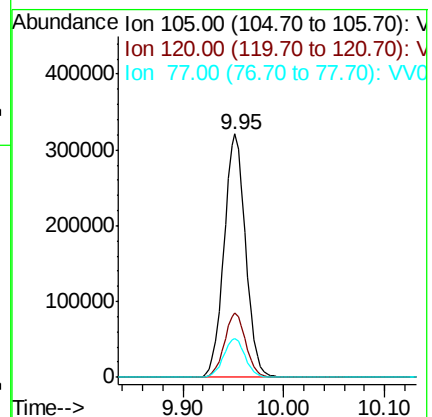
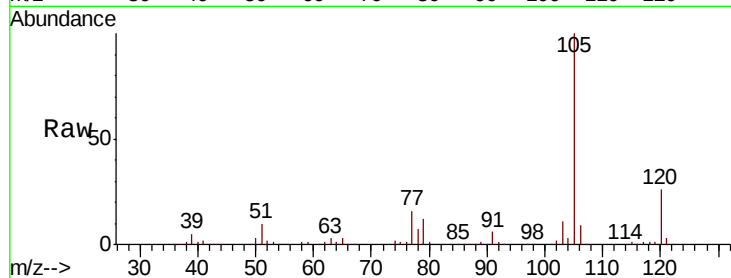
Tot Ion:105 Resp: 480114

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

77 16.0 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 50.261 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

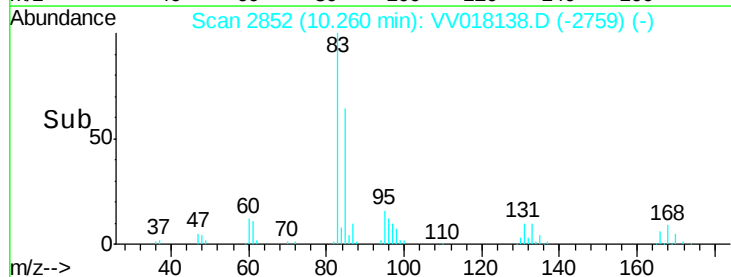
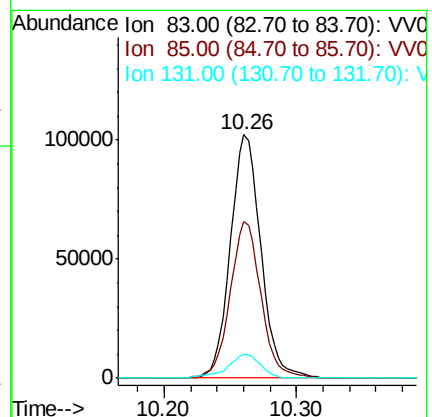
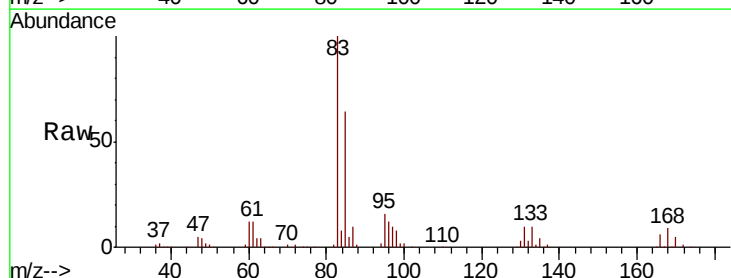
Tgt Ion: 83 Resp: 163598

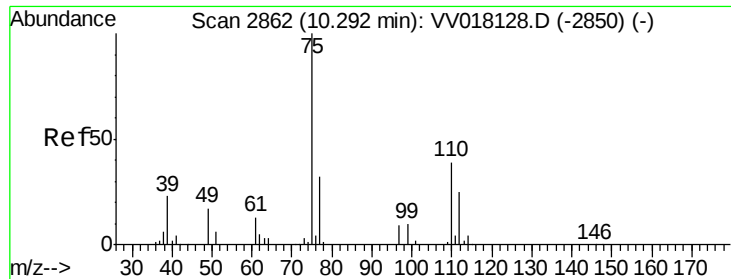
Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.7

131 9.9 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 49.121 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

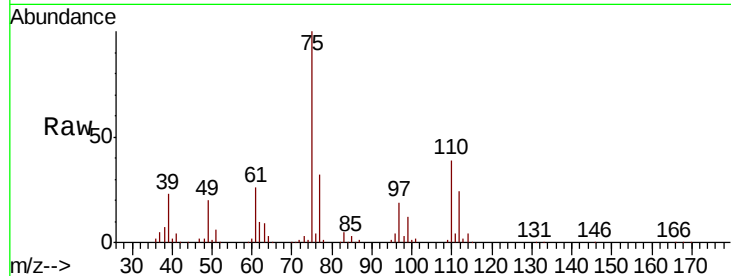
VSTD05090

Tot Ion: 75 Resp: 136927

Ion Ratio Lower Upper

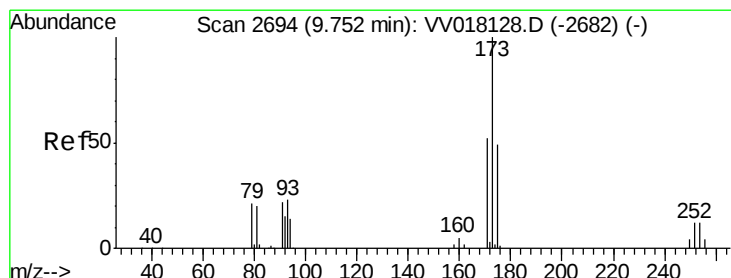
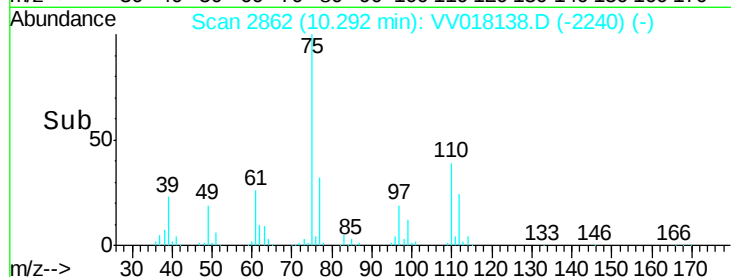
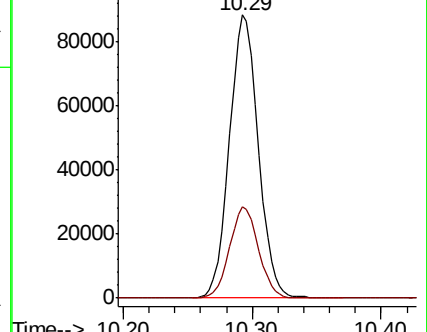
75 100

77 32.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV018128.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018128.D (-2850) (-)



#61

Bromoform

Concen: 59.836 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

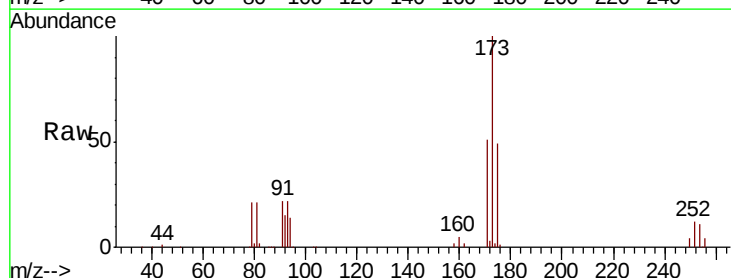
Tgt Ion: 173 Resp: 84506

Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

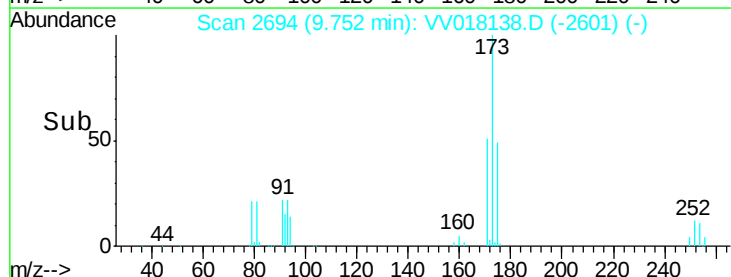
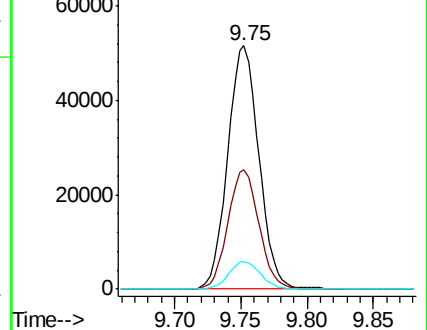
254 11.3 8.4 12.6

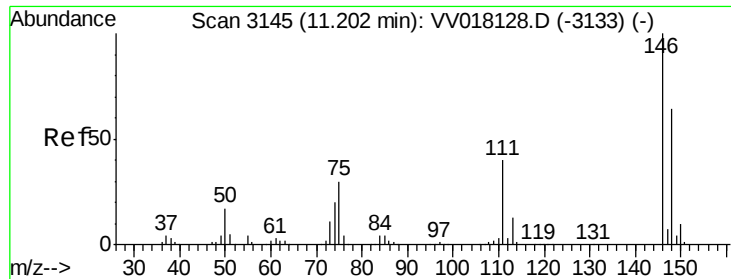


Abundance Ion 173.00 (172.70 to 173.70): VV018128.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018128.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018128.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 50.621 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

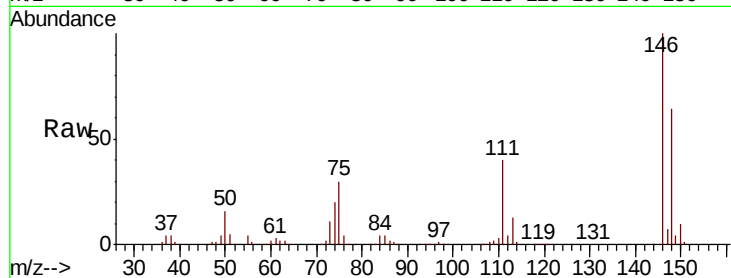
Tot Ion:146 Resp: 240264

Ion Ratio Lower Upper

146 100

111 39.9 28.8 53.4

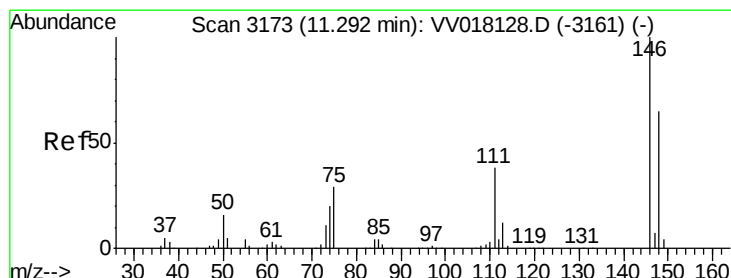
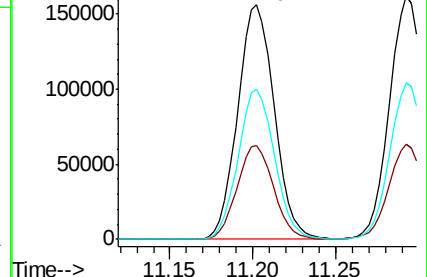
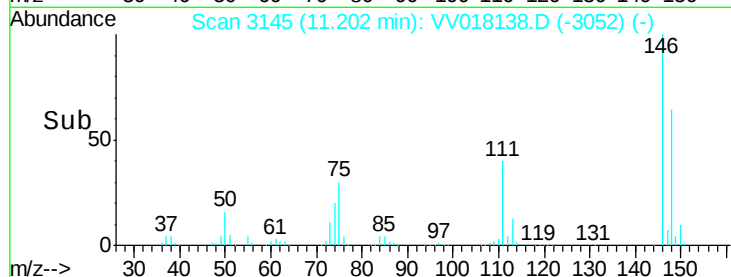
148 64.2 44.9 83.5



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: 50.413 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

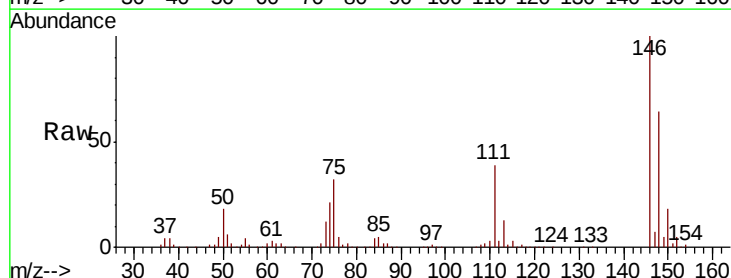
Tgt Ion:146 Resp: 245805

Ion Ratio Lower Upper

146 100

111 39.0 28.0 52.0

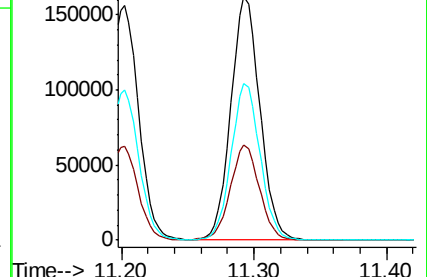
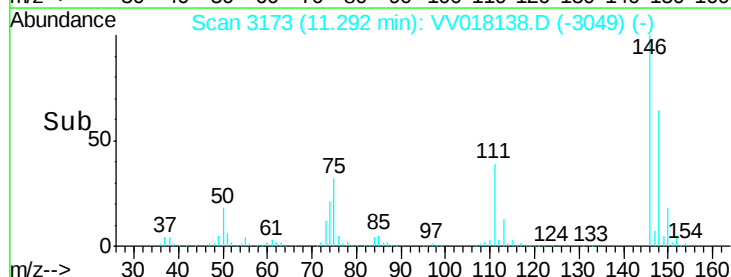
148 64.2 44.2 82.2

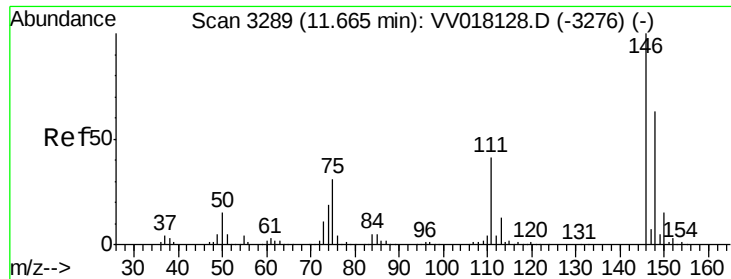


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.711 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

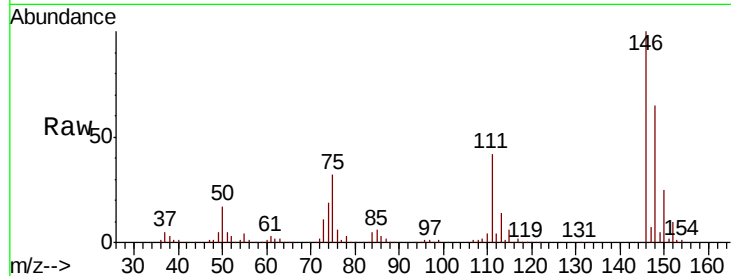
Tot Ion:146 Resp: 237967

Ion Ratio Lower Upper

146 100

111 41.8 34.2 51.4

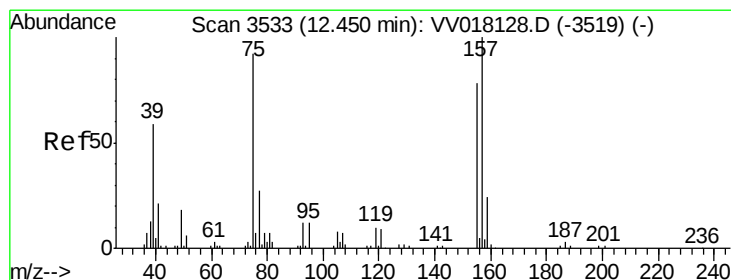
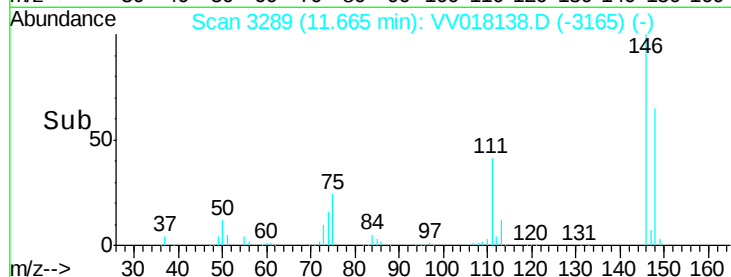
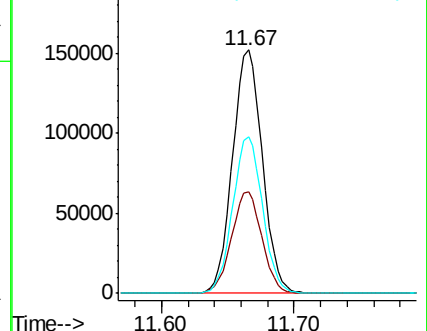
148 64.5 50.6 76.0



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: 47.625 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

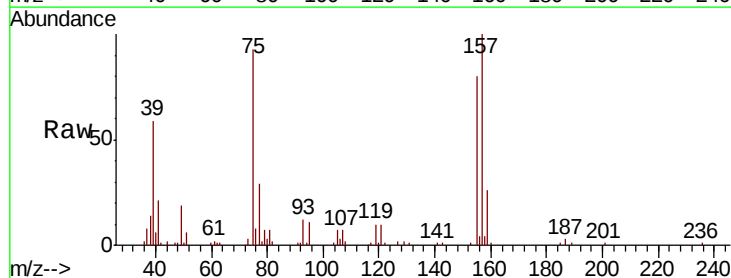
Tgt Ion: 75 Resp: 34280

Ion Ratio Lower Upper

75 100

155 86.1 67.6 101.4

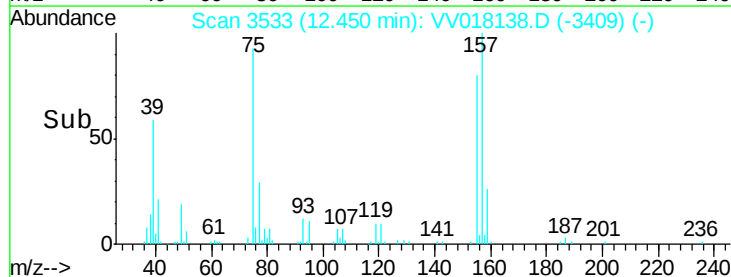
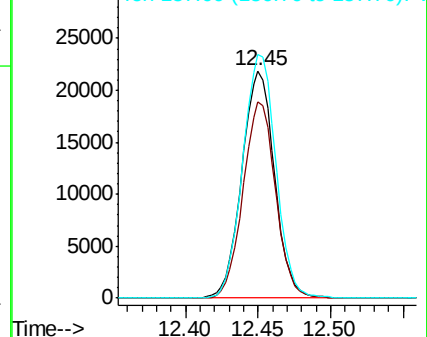
157 107.1 84.3 126.5

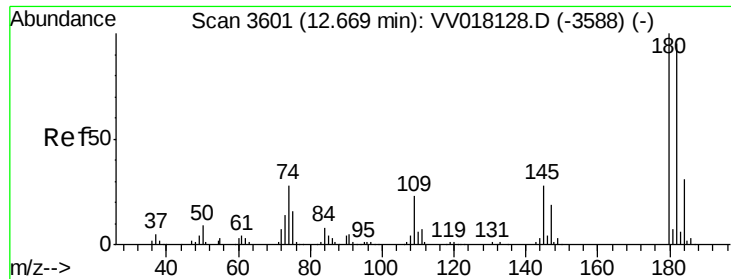


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

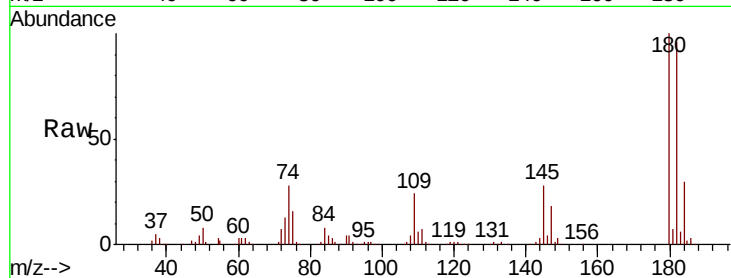




#67
 1,3,5-Trichlorobenzene
 Concen: 52.449 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.2	115.8
184	30.8	24.6	36.8
145	28.7	23.5	35.3



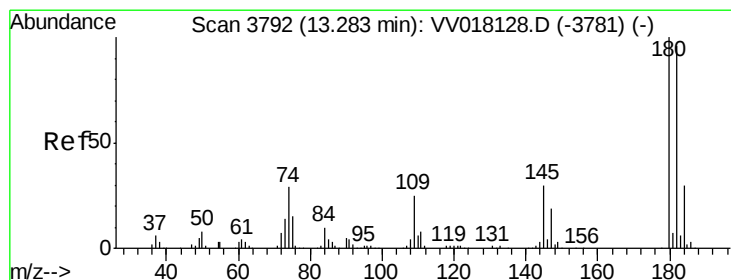
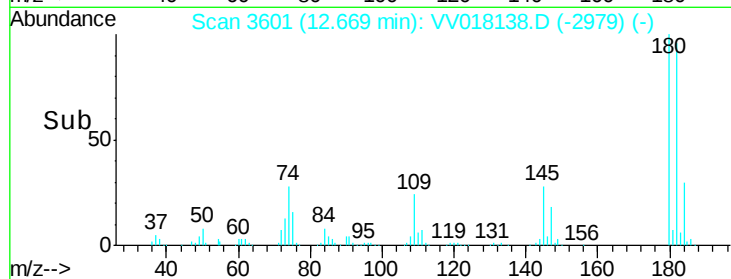
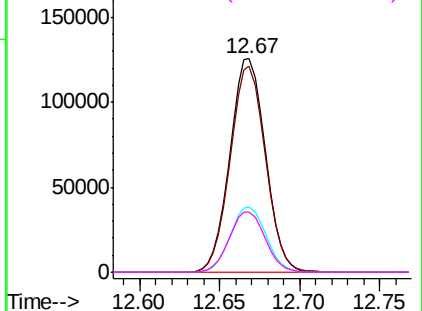
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

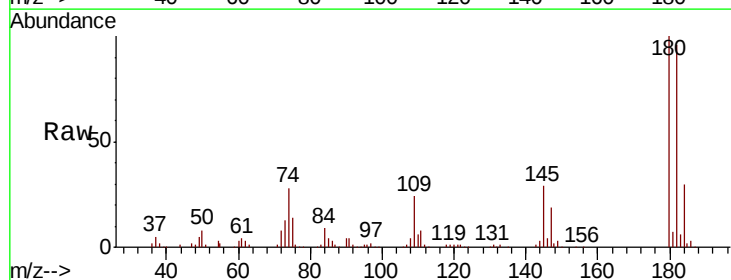
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.054 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018138.D
 Acq: 28 Aug 2020 16:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.4	114.6
145	29.3	24.0	36.0

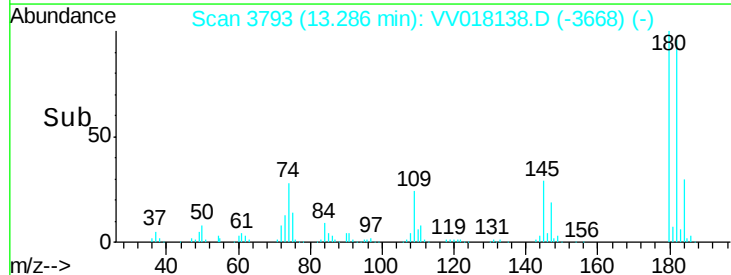
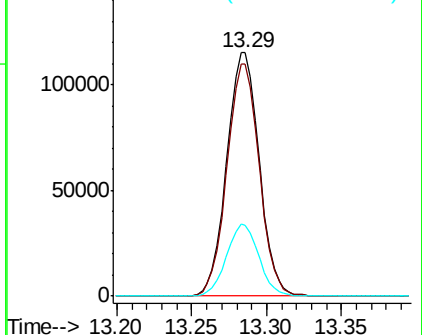


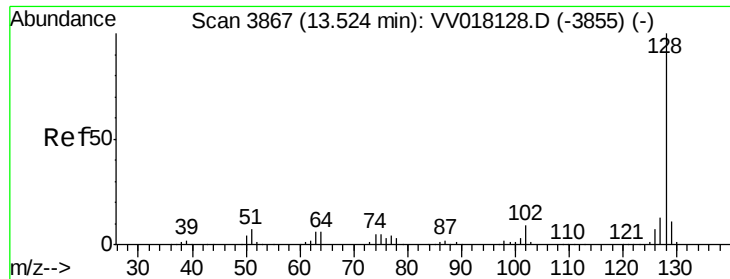
Abundance

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: 52.553 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

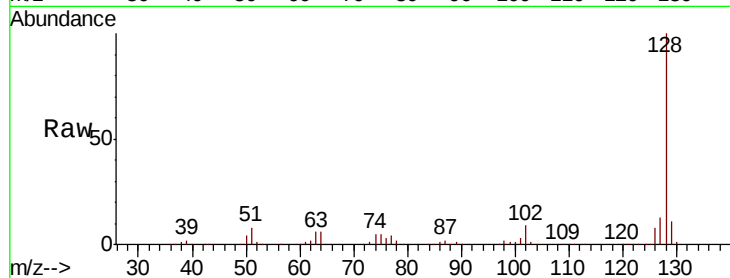
Tot Ion:128 Resp: 459174

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

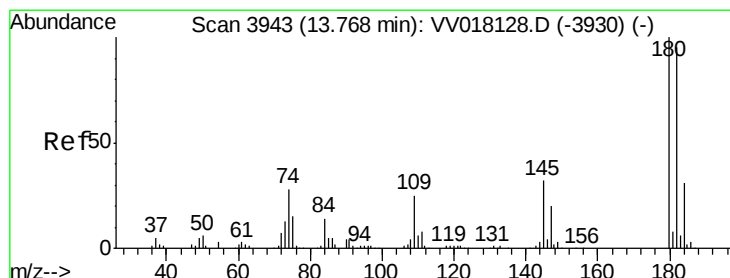
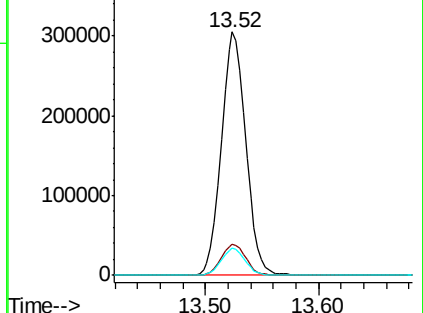
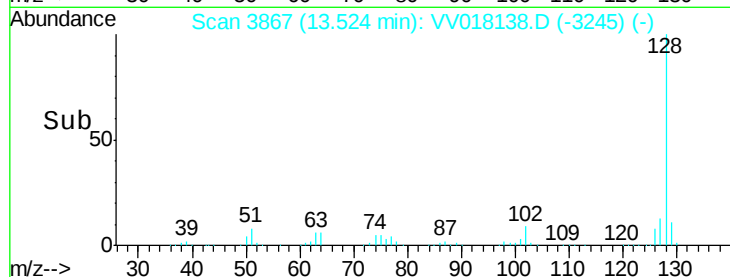
129 10.8 8.7 13.1



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: 54.040 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018138.D

Acq: 28 Aug 2020 16:04

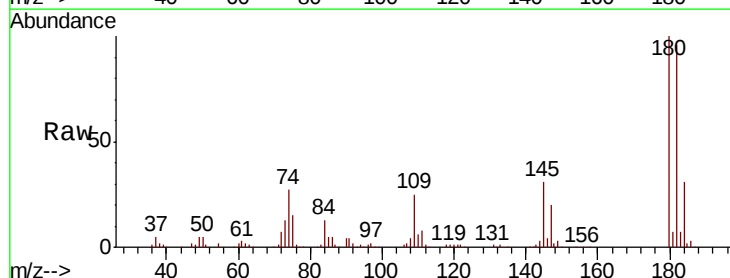
Tgt Ion:180 Resp: 174208

Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

145 32.0 26.0 39.0



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

