

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
 Data File : VV018847.D
 Acq On : 10 Oct 2020 21:20
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Quant Time: Oct 12 04:54:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 12 04:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	322343	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	314456	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174132	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	125874	42.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.96%
7) Chloroethane-d5	1.58	69	103135	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.50%
11) 1,1-Dichloroethene-d2	2.13	63	253738	44.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.88%
21) 2-Butanone-d5	3.91	46	162724	90.48	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.48%
24) Chloroform-d	4.38	84	224590	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.92%
26) 1,2-Dichloroethane-d4	5.06	65	157896	45.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.16%
32) Benzene-d6	5.07	84	449550	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.84%
36) 1,2-Dichloropropane-d6	6.09	67	137246	41.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.18%
41) Toluene-d8	7.34	98	407269	45.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.68%
43) trans-1,3-Dichloropropene-	7.64	79	70603	43.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.54%
47) 2-Hexanone-d5	8.11	63	105548	91.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.26%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	177422	46.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	160187	41.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.14%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	145936	70.137	ug/L 99
3) Chloromethane	1.25	50	163087	59.743	ug/L 98
5) Vinyl chloride	1.32	62	160019	56.223	ug/L 99
6) Bromomethane	1.53	94	90028	53.675	ug/L 99
8) Chloroethane	1.60	64	97806	52.487	ug/L 99
9) Trichlorofluoromethane	1.77	101	217970	52.382	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	114803	49.549	ug/L 100
12) 1,1-Dichloroethene	2.13	96	114872	51.491	ug/L 98
13) Acetone	2.19	43	128055	85.433	ug/L 99
14) Carbon disulfide	2.31	76	369967	56.023	ug/L 100
15) Methyl Acetate	2.45	43	142972	48.827	ug/L 99
16) Methylene chloride	2.52	84	134463	48.961	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	126096	53.547	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	398787	50.503	ug/L 99
19) 1,1-Dichloroethane	3.21	63	244852	52.981	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	121039	48.635	ug/L 98
22) 2-Butanone	3.99	43	168036	95.676	ug/L 98

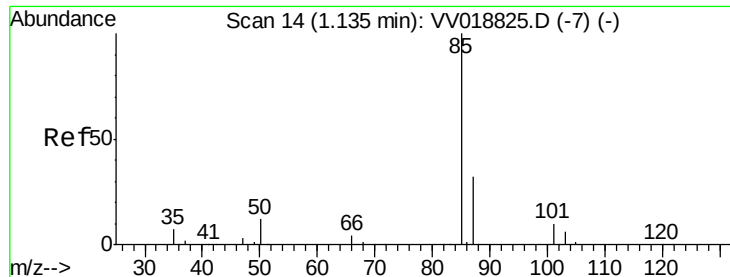
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
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 QLast Update : Mon Oct 12 04:43:49 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	62552	48.480	ug/L	97
25) Chloroform	4.40	83	226164	47.683	ug/L	99
27) 1,2-Dichloroethane	5.15	62	186060	48.217	ug/L	99
29) Cyclohexane	4.70	56	206721	54.284	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	206523	49.277	ug/L	99
31) Carbon tetrachloride	4.86	117	180016	50.962	ug/L	99
33) Benzene	5.13	78	496920	49.810	ug/L	100
34) Trichloroethene	5.94	95	132322	46.085	ug/L	99
35) Methylcyclohexane	6.15	83	172611	49.131	ug/L	99
37) 1,2-Dichloropropane	6.20	63	127222	46.425	ug/L	99
38) Bromodichloromethane	6.53	83	173882	49.962	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	211225	54.561	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	364564	102.369	ug/L	100
42) Toluene	7.41	91	523843	51.121	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	202505	51.046	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	120535	48.973	ug/L	99
46) Tetrachloroethene	8.00	164	101557	48.262	ug/L	98
48) 2-Hexanone	8.16	43	266563	94.818	ug/L	99
49) Dibromochloromethane	8.27	129	128573	47.794	ug/L	99
50) 1,2-Dibromoethane	8.37	107	120936	48.042	ug/L	98
51) Chlorobenzene	8.90	112	324787	47.755	ug/L	97
52) Ethylbenzene	9.03	91	569383	48.931	ug/L	100
53) m,p-Xylene	9.16	106	209093	48.952	ug/L	99
54) o-xylene	9.56	106	202951	50.027	ug/L	100
55) Styrene	9.58	104	361132	50.294	ug/L	99
56) Isopropylbenzene	9.95	105	540114	48.117	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	172358	50.203	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	158817	48.705	ug/L	99
61) Bromoform	9.75	173	91087	47.146	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	273200	48.123	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	290249	49.149	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	265985	46.668	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	37353	47.511	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	170110	46.261	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	160857	46.521	ug/L	99
69) Naphthalene	13.52	128	474243	48.678	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	161916	47.172	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 70.137 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

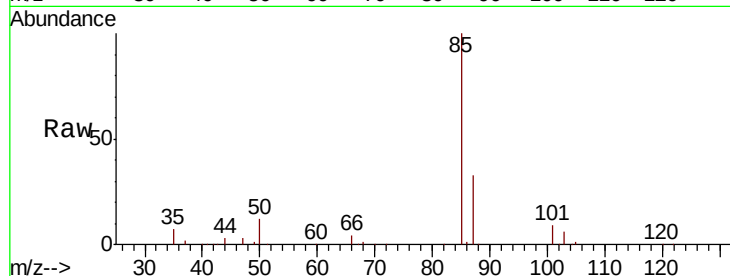
VSTD05084

Tot Ion: 85 Resp: 145936

Ion Ratio Lower Upper

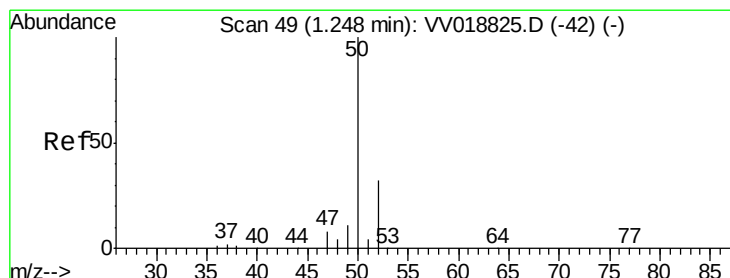
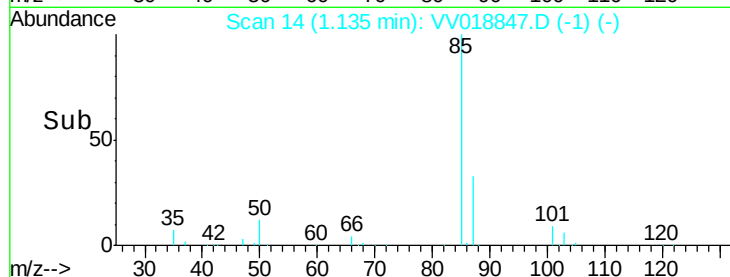
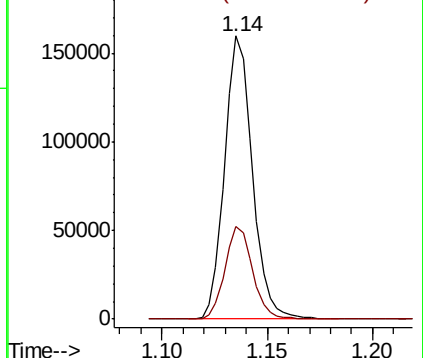
85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 59.743 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018847.D

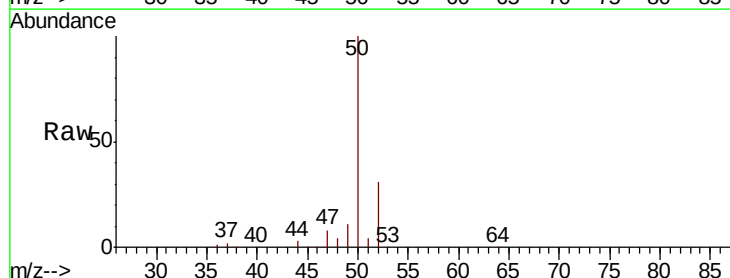
Acq: 10 Oct 2020 21:20

Tgt Ion: 50 Resp: 163087

Ion Ratio Lower Upper

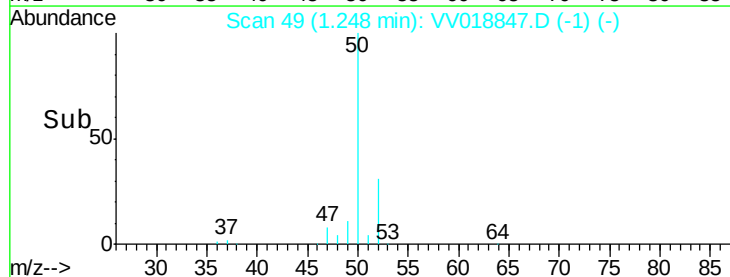
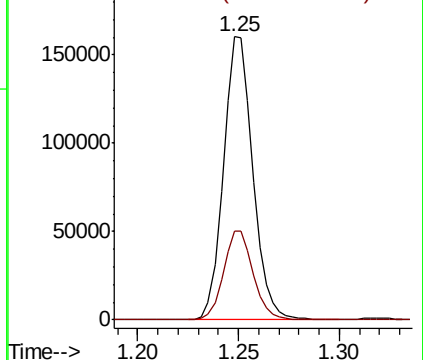
50 100

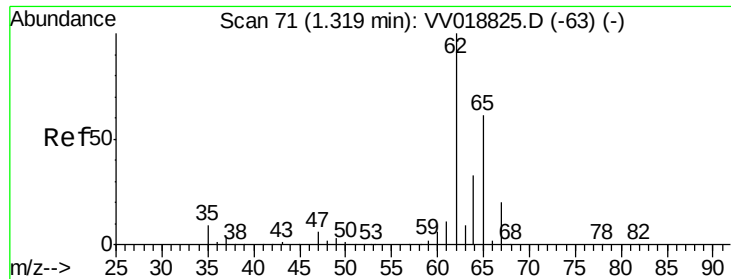
52 31.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 56.223 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

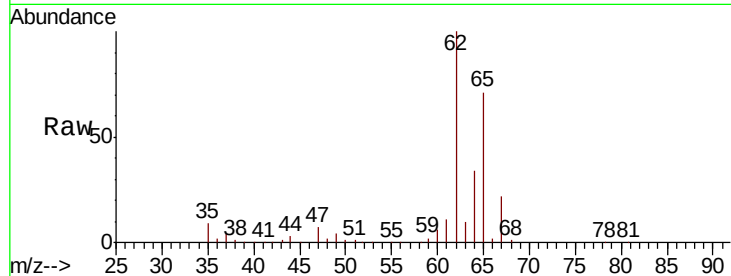
VSTD05084

Tot Ion: 62 Resp: 160019

Ion Ratio Lower Upper

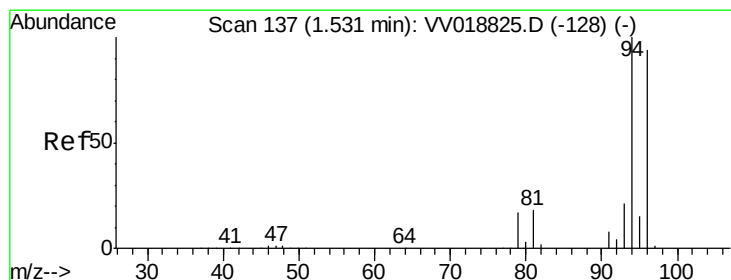
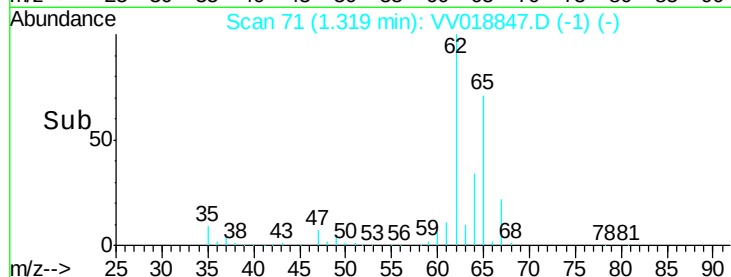
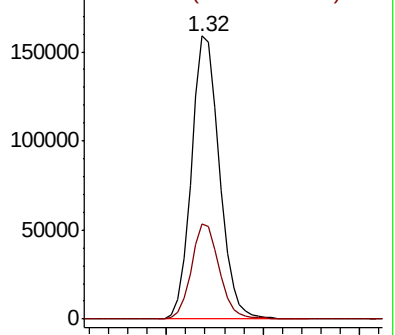
62 100

64 33.5 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 53.675 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018847.D

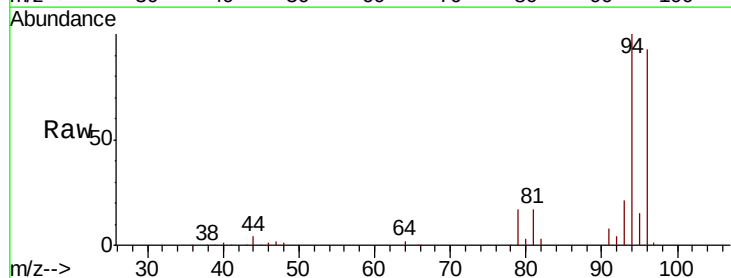
Acq: 10 Oct 2020 21:20

Tgt Ion: 94 Resp: 90028

Ion Ratio Lower Upper

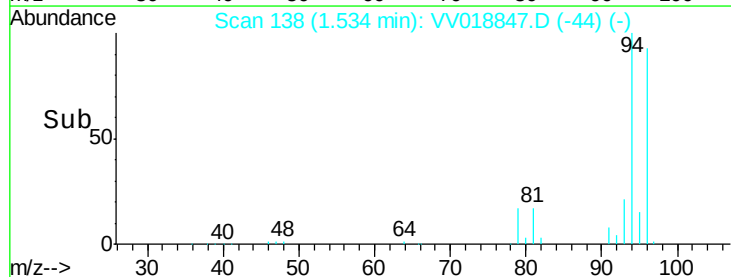
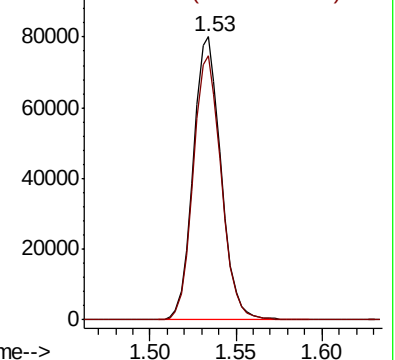
94 100

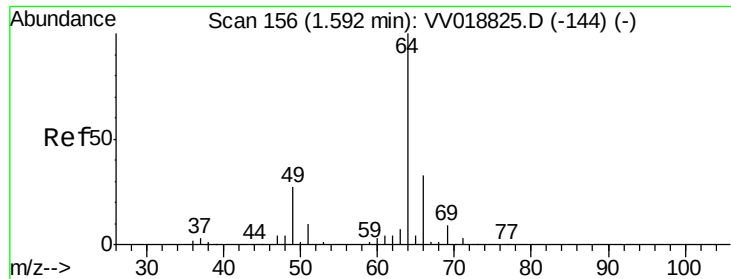
96 93.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 52.487 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

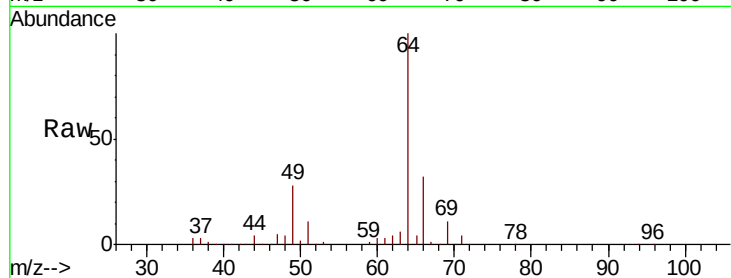
VSTD05084

Tot Ion: 64 Resp: 97806

Ion Ratio Lower Upper

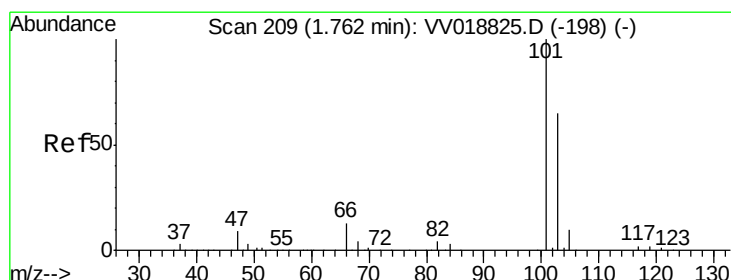
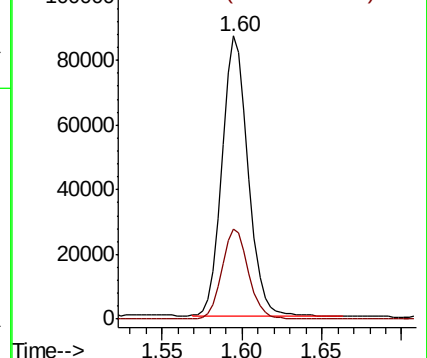
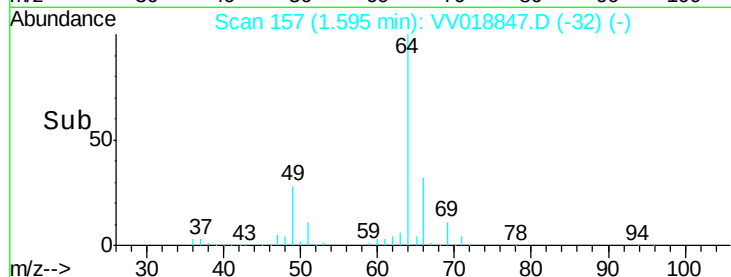
64 100

66 31.6 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VV018847.D (-32) (-)

Ion 66.00 (65.70 to 66.70): VV018847.D (-32) (-)



#9

Trichlorofluoromethane

Concen: 52.382 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018847.D

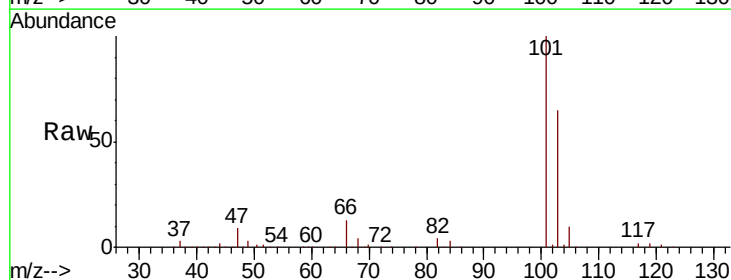
Acq: 10 Oct 2020 21:20

Tgt Ion: 101 Resp: 217970

Ion Ratio Lower Upper

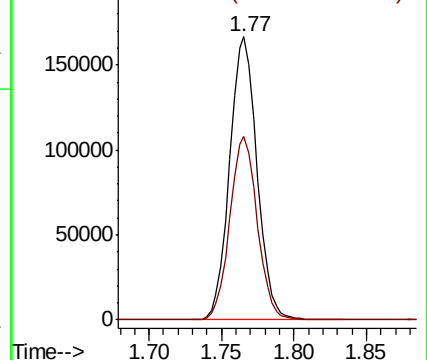
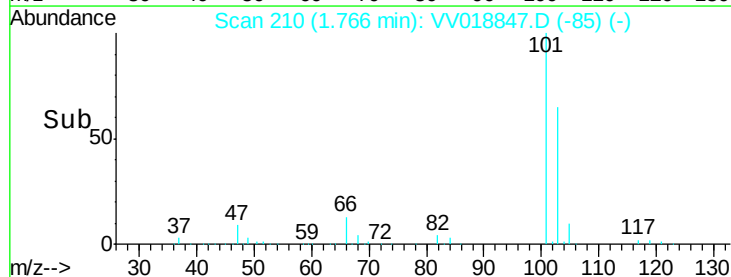
101 100

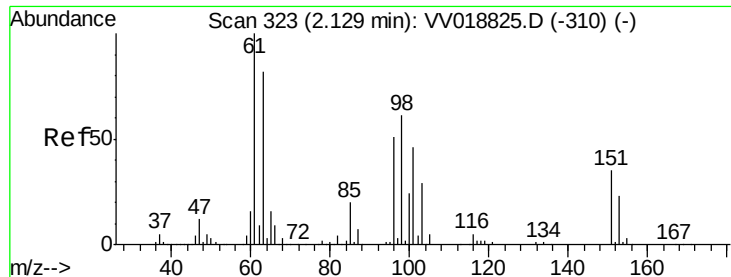
103 64.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV018847.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV018847.D (-85) (-)





#10

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

Concen: 49.549 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

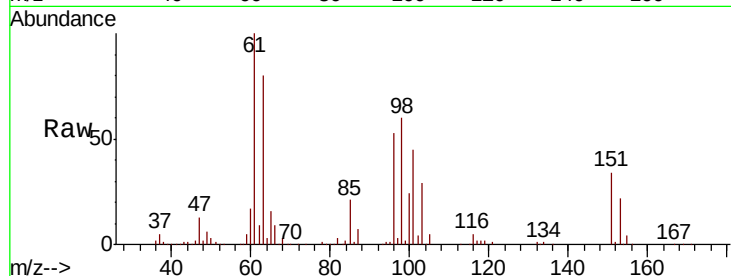
Tot Ion:101 Resp: 114803

Ion Ratio Lower Upper

101 100

85 44.5 35.9 53.9

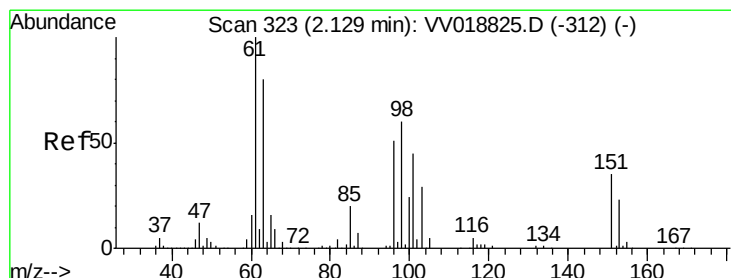
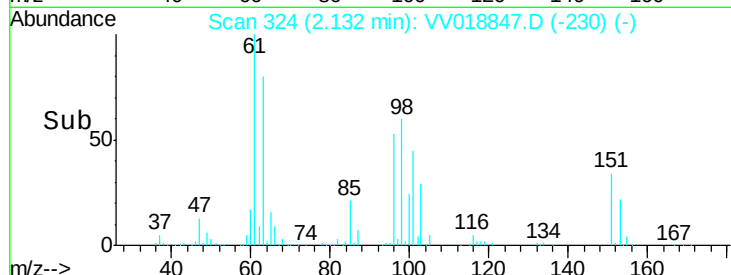
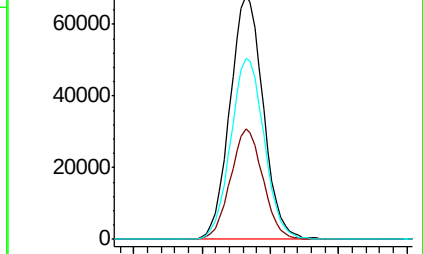
151 75.1 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): VV018847.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018847.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018847.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 51.491 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

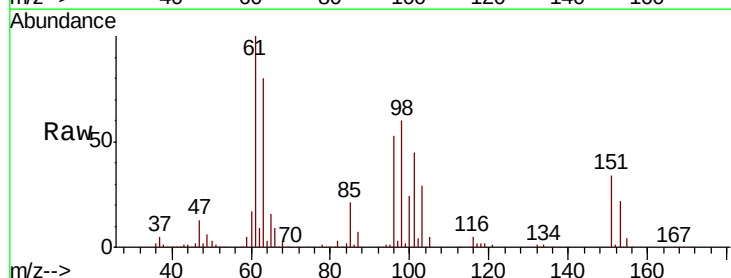
Tgt Ion: 96 Resp: 114872

Ion Ratio Lower Upper

96 100

61 189.5 133.6 248.0

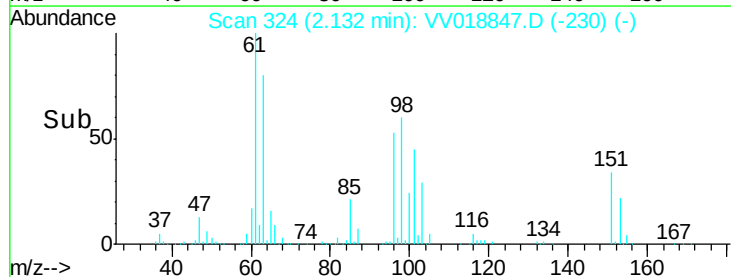
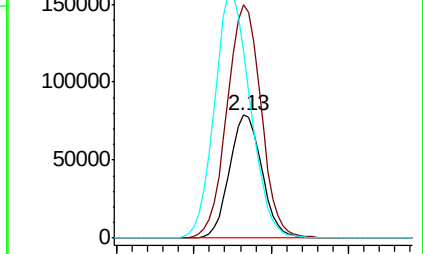
63 151.7 108.4 201.4

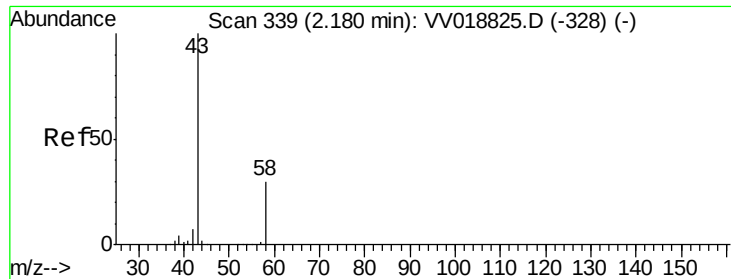


Abundance Ion 96.00 (95.70 to 96.70): VV018847.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV018847.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV018847.D (-230) (-)





#13

Acetone

Concen: 85.433 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

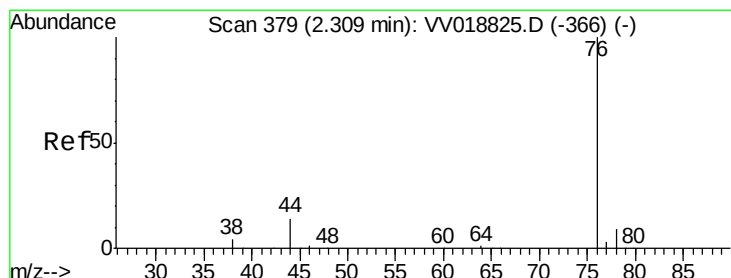
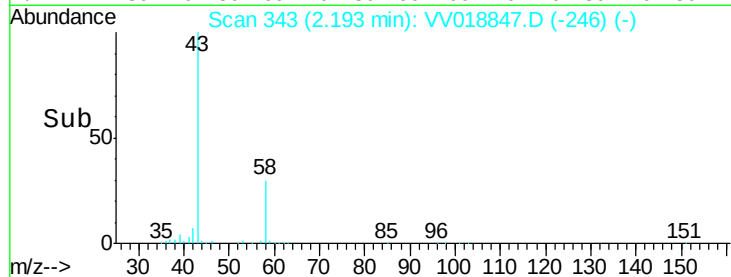
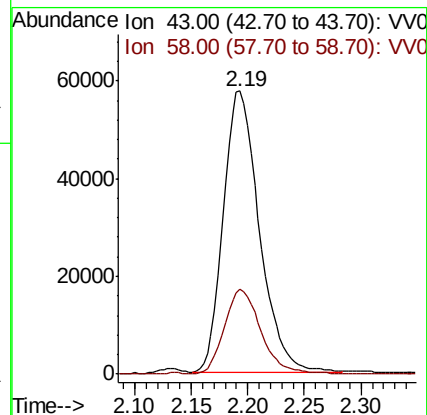
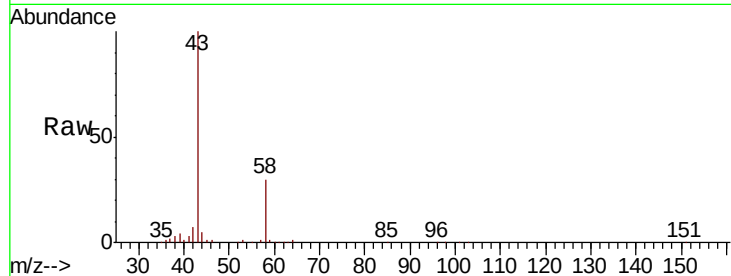
VSTD05084

Tot Ion: 43 Resp: 128055

Ion Ratio Lower Upper

43 100

58 30.1 0.0 61.0



#14

Carbon disulfide

Concen: 56.023 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018847.D

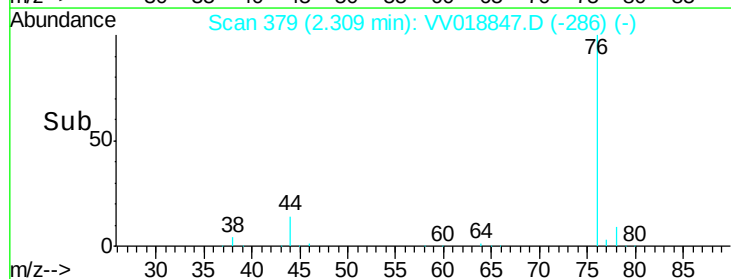
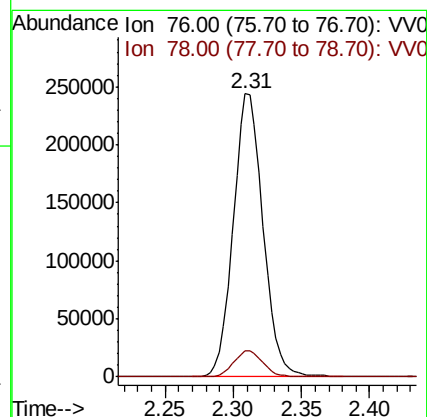
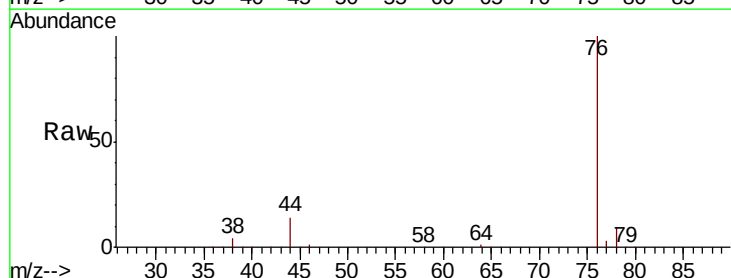
Acq: 10 Oct 2020 21:20

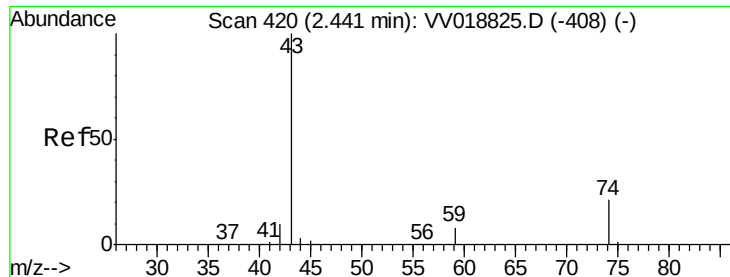
Tgt Ion: 76 Resp: 369967

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

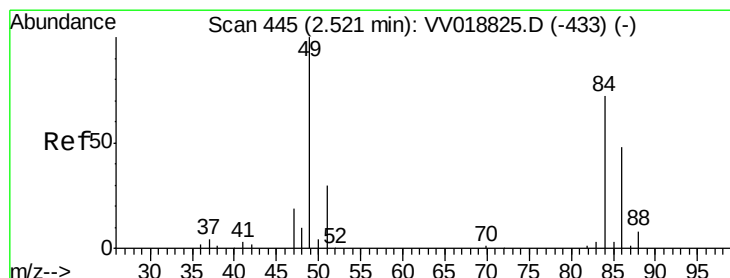
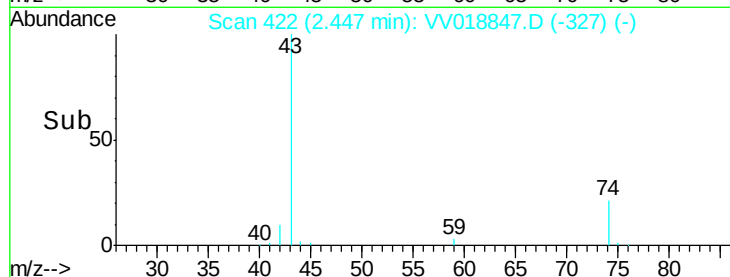
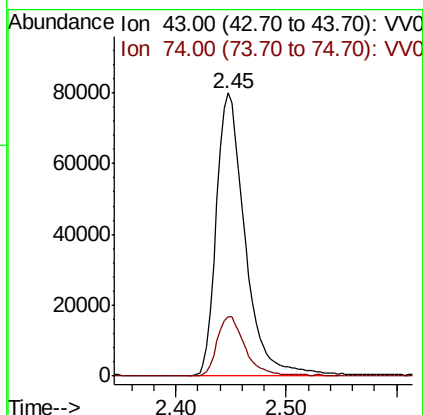
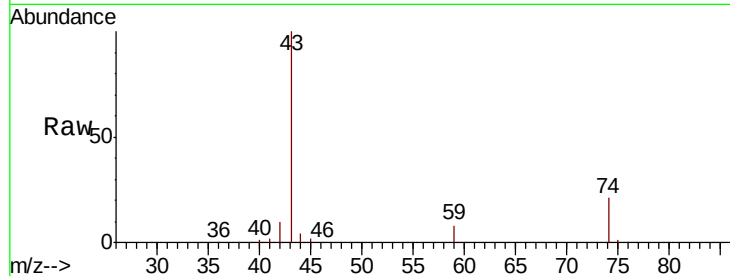




#15
Methvl Acetate
Concen: 48.827 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.01 min
Lab File: VV018847.D
Acq: 10 Oct 2020 21:20

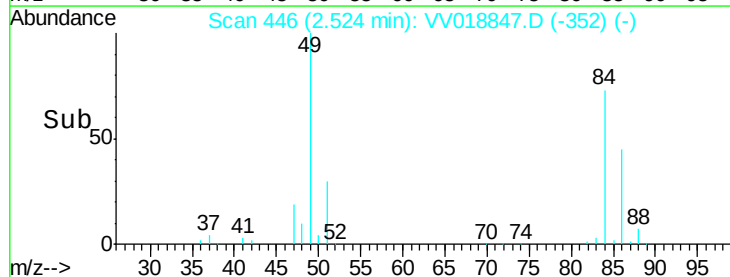
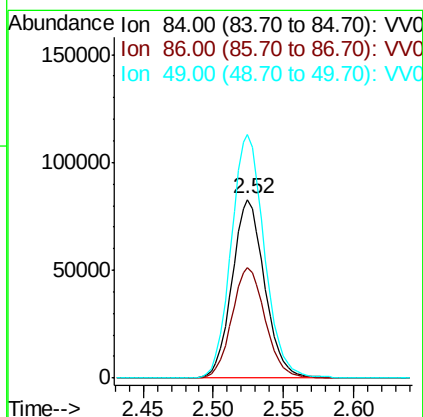
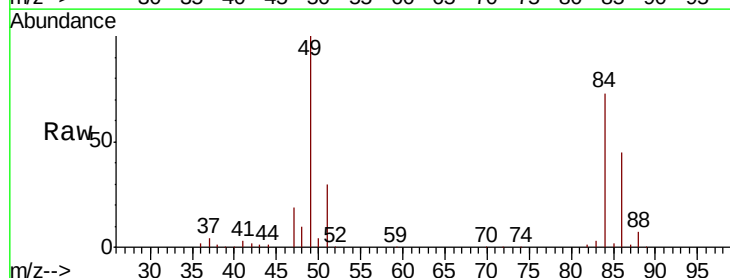
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

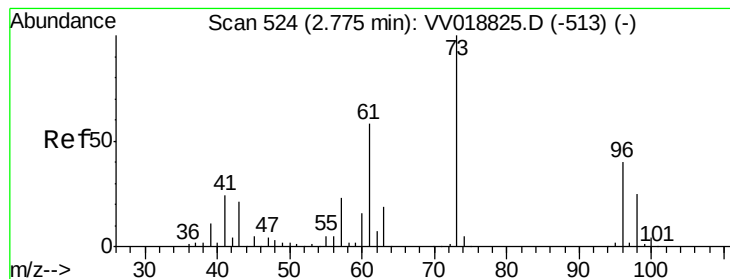
Tot Ion: 43 Resp: 142972
Ion Ratio Lower Upper
43 100
74 20.8 16.9 25.3



#16
Methylene chloride
Concen: 48.961 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018847.D
Acq: 10 Oct 2020 21:20

Tgt Ion: 84 Resp: 134463
Ion Ratio Lower Upper
84 100
86 62.0 45.2 84.0
49 136.4 97.9 181.9





#17

trans-1,2-Dichloroethene

Concen: 53.547 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

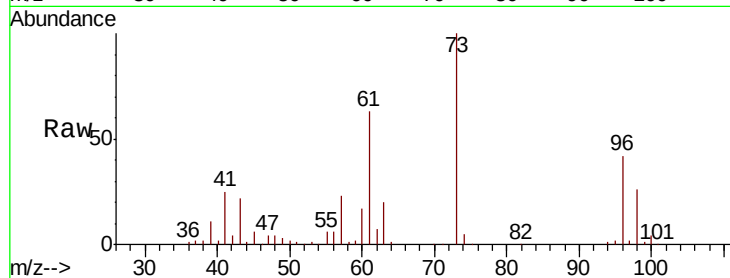
Tot Ion: 96 Resp: 126096

Ion Ratio Lower Upper

96 100

61 151.2 105.7 196.3

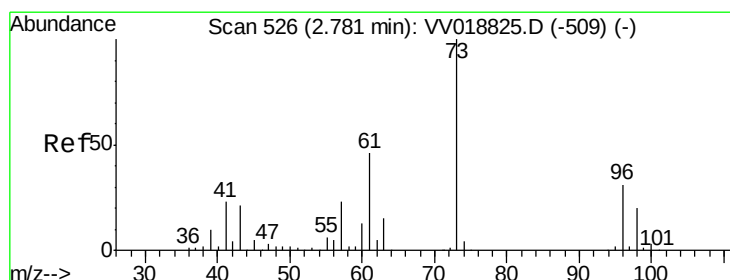
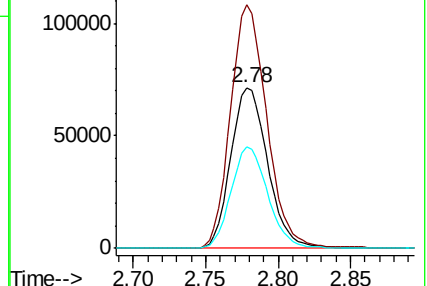
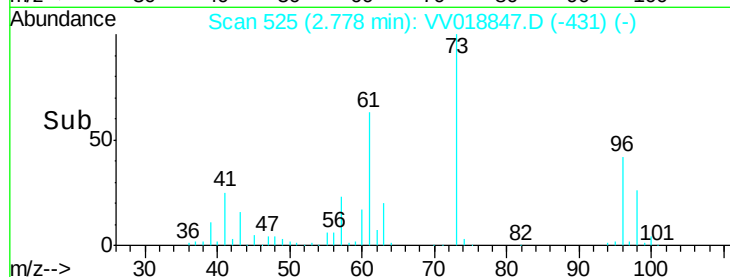
98 62.8 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 50.503 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

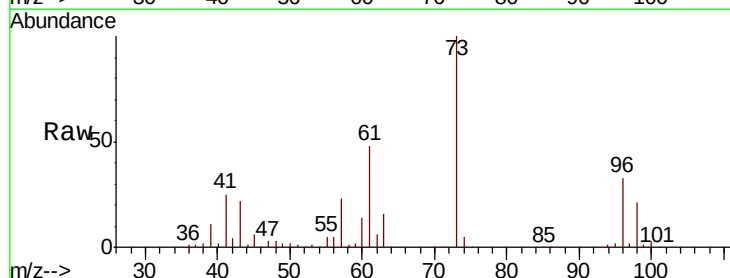
Tgt Ion: 73 Resp: 398787

Ion Ratio Lower Upper

73 100

43 21.1 17.3 25.9

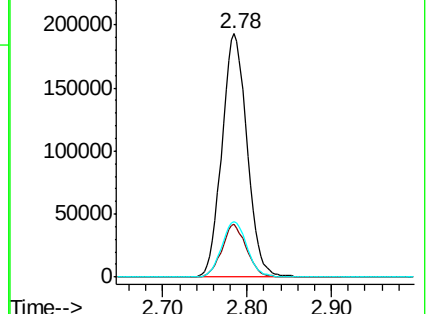
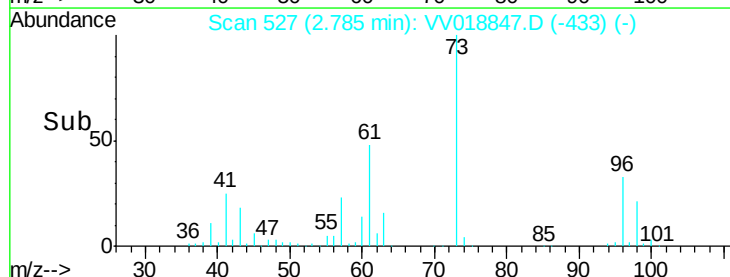
57 23.2 18.5 27.7

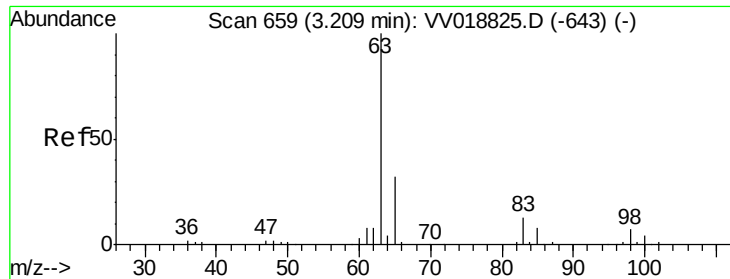


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

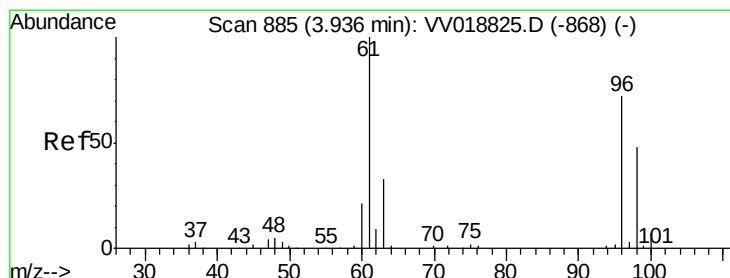
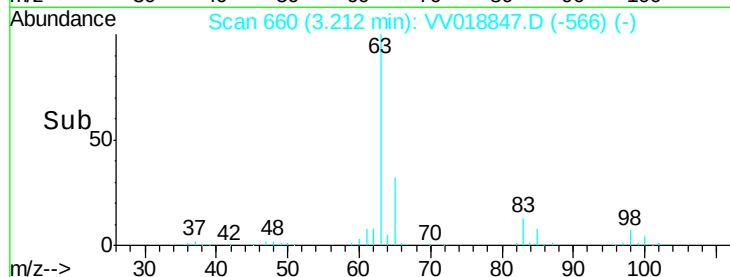
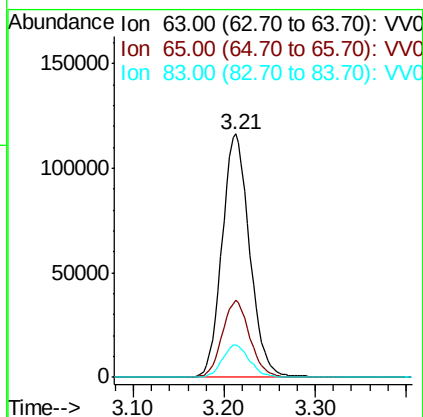
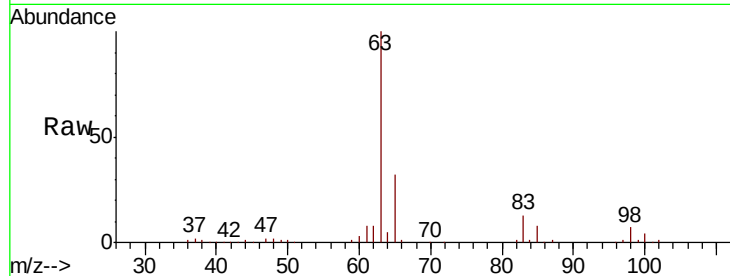




#19
 1,1-Dichloroethane
 Concen: 52.981 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

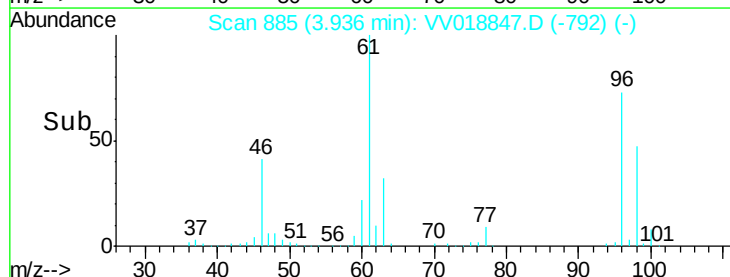
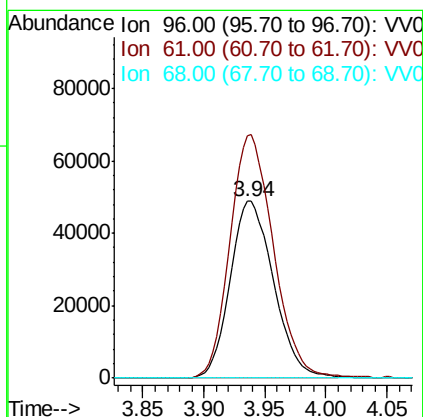
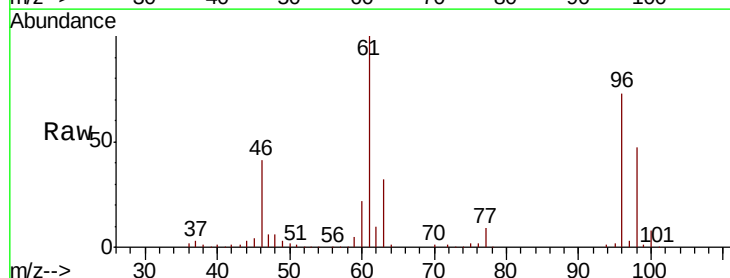
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

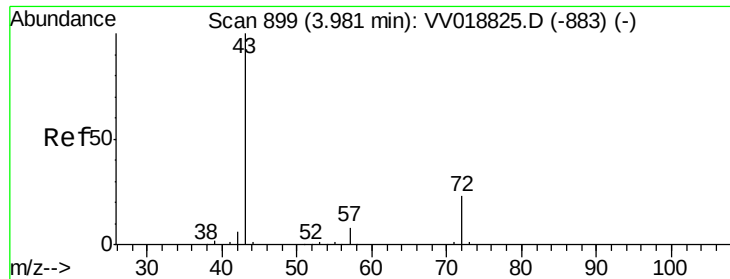
Tot Ion: 63 Resp: 244852
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 40.8
 83 13.4 9.2 17.0



#20
 cis-1,2-Dichloroethene
 Concen: 48.635 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

Tgt Ion: 96 Resp: 121039
 Ion Ratio Lower Upper
 96 100
 61 137.0 97.3 180.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.676 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.01 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

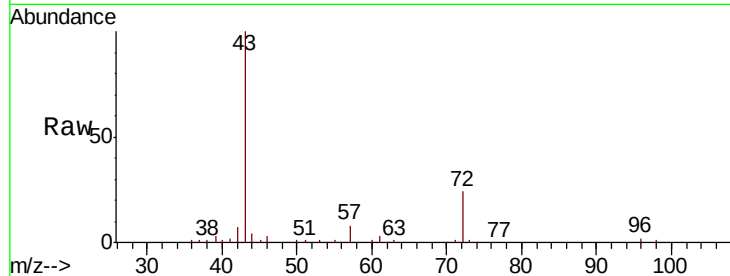
VSTD05084

Tot Ion: 43 Resp: 168036

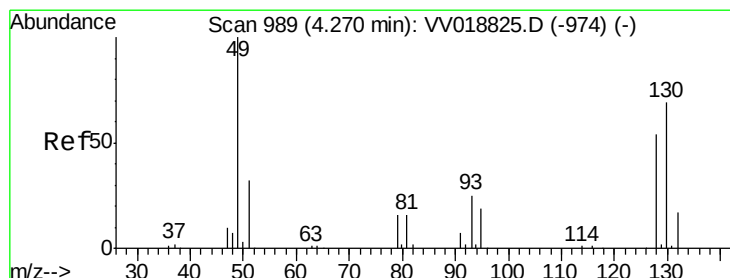
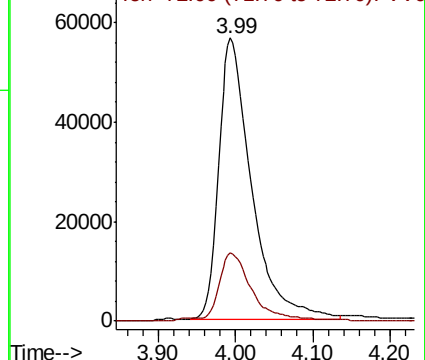
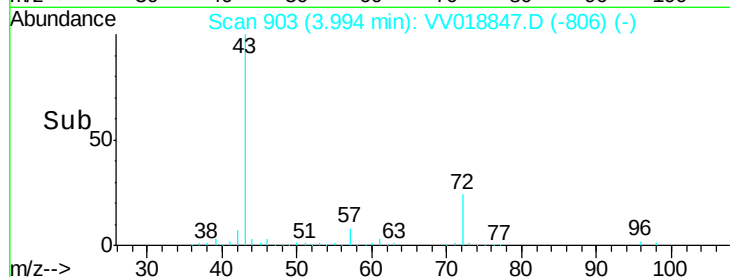
Ion Ratio Lower Upper

43 100

72 21.8 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV018847.D (-806) (-)



#23

Bromochloromethane

Concen: 48.480 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Tgt Ion: 128 Resp: 62552

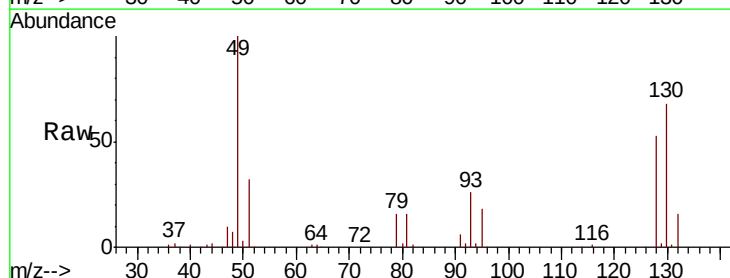
Ion Ratio Lower Upper

128 100

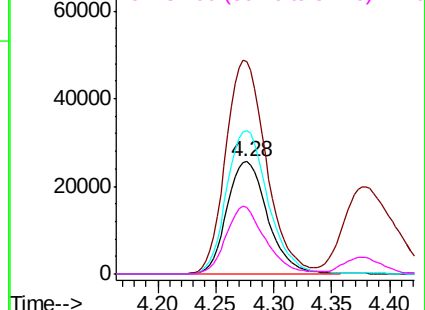
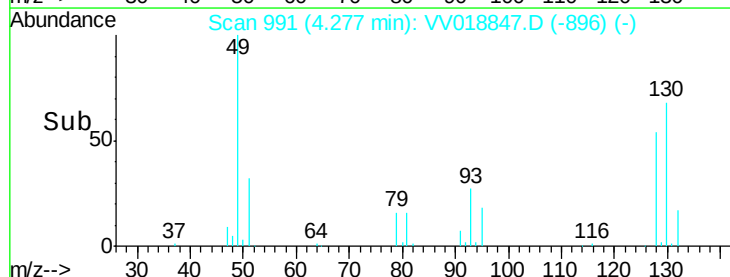
49 189.0 129.7 240.9

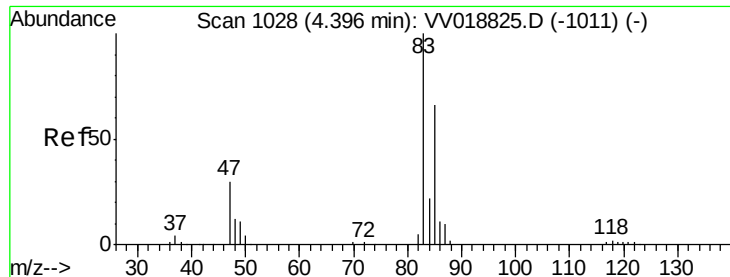
130 127.8 86.7 161.1

51 59.7 45.9 68.9



Abundance Ion 128.00 (127.70 to 128.70): VV018847.D (-896) (-)

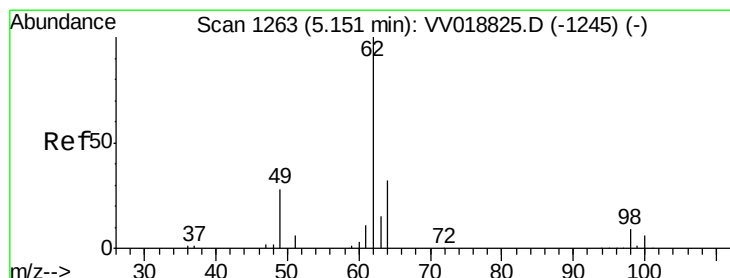
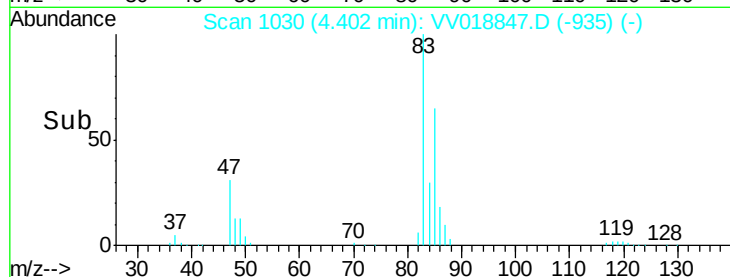
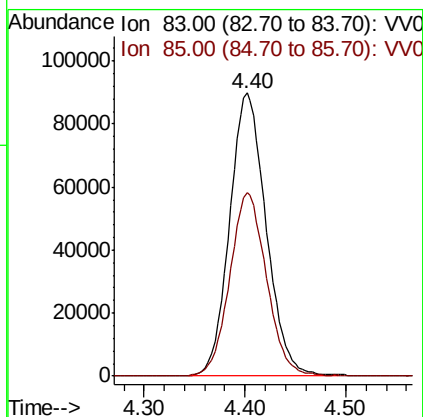
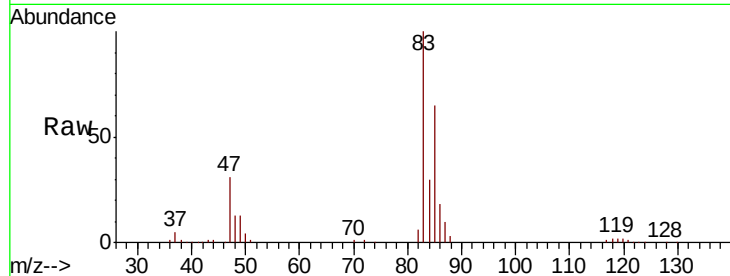




#25
Chloroform
Concen: 47.683 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV018847.D
Acq: 10 Oct 2020 21:20

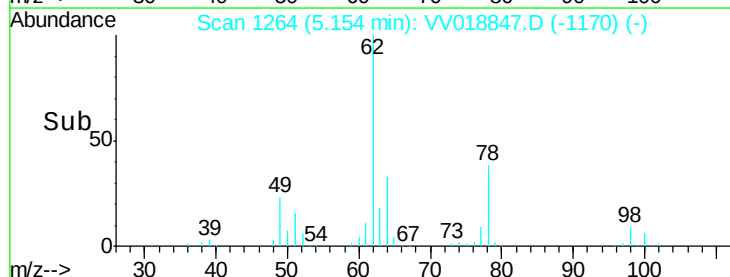
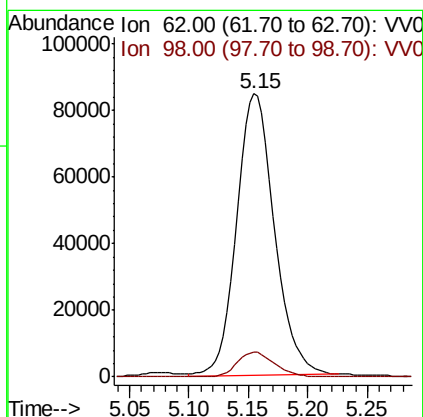
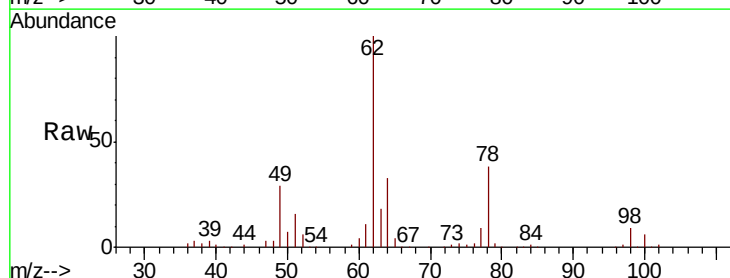
Instrument :
MSVOA_V
ClientSampled :
VSTD05084

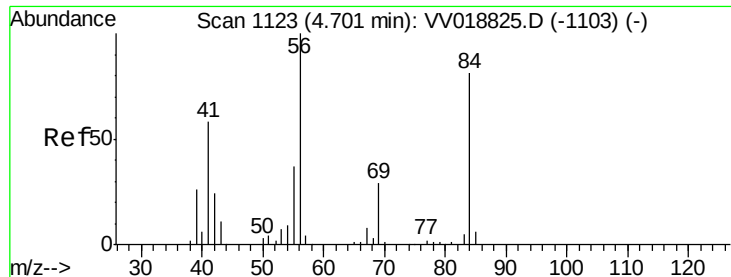
Tot Ion: 83 Resp: 226164
Ion Ratio Lower Upper
83 100
85 64.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.217 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018847.D
Acq: 10 Oct 2020 21:20

Tgt Ion: 62 Resp: 186060
Ion Ratio Lower Upper
62 100
98 8.7 6.6 10.0

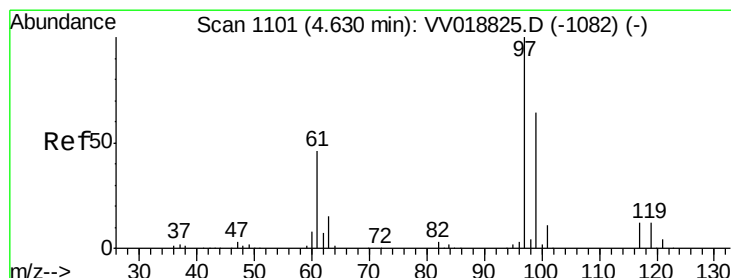
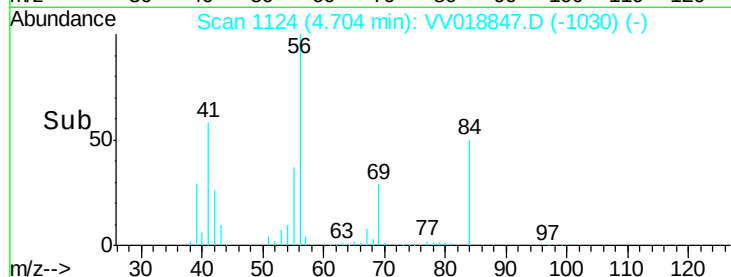
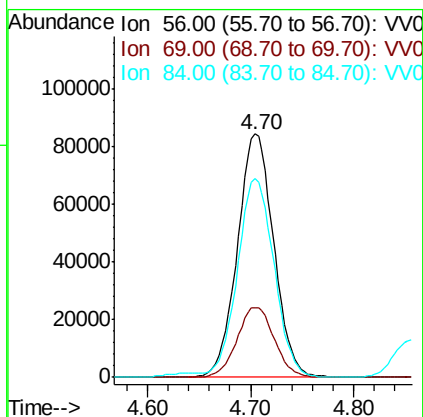
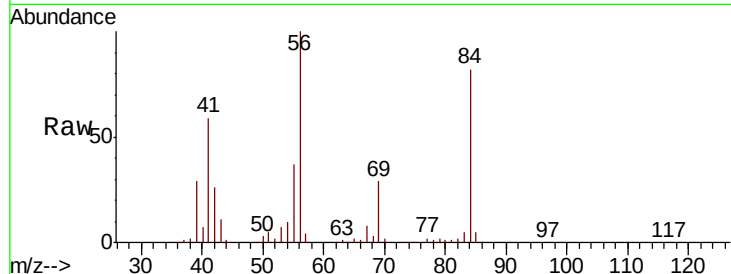




#29
Cyclohexane
Concen: 54.284 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV018847.D
Acq: 10 Oct 2020 21:20

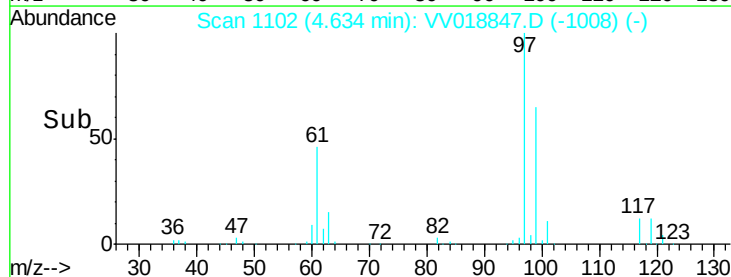
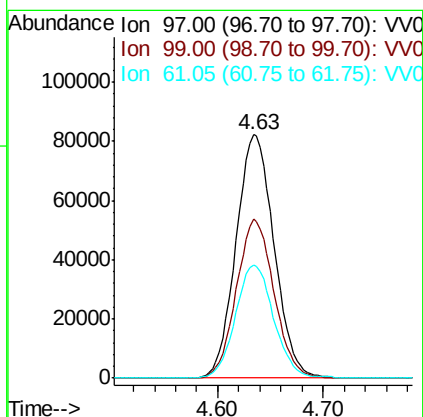
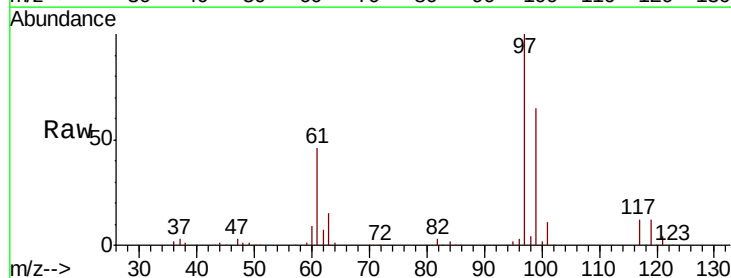
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

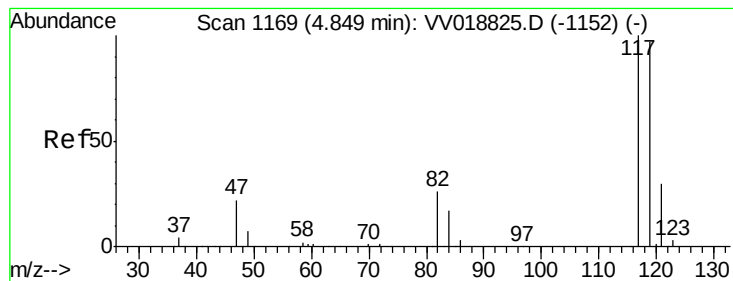
Tot Ion: 56 Resp: 206721
Ion Ratio Lower Upper
56 100
69 29.6 23.1 34.7
84 82.3 65.2 97.8



#30
1,1,1-Trichloroethane
Concen: 49.277 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV018847.D
Acq: 10 Oct 2020 21:20

Tgt Ion: 97 Resp: 206523
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 46.9 37.0 55.4





#31

Carbon tetrachloride

Concen: 50.962 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

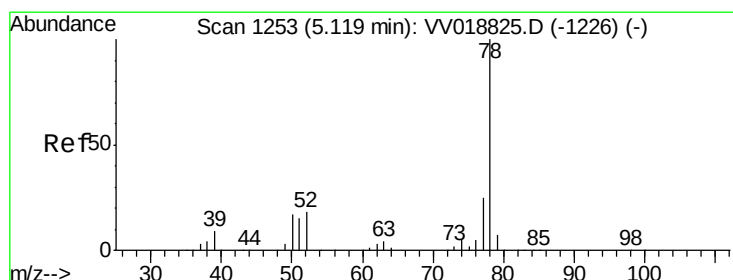
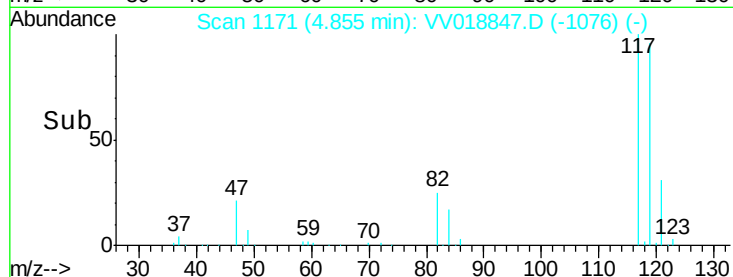
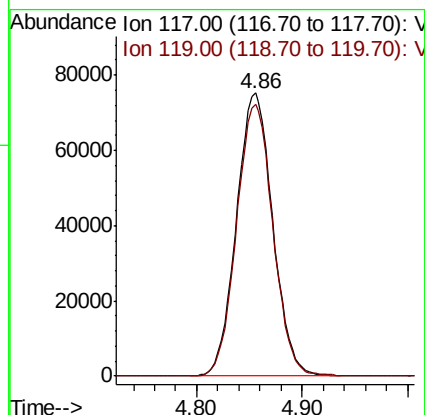
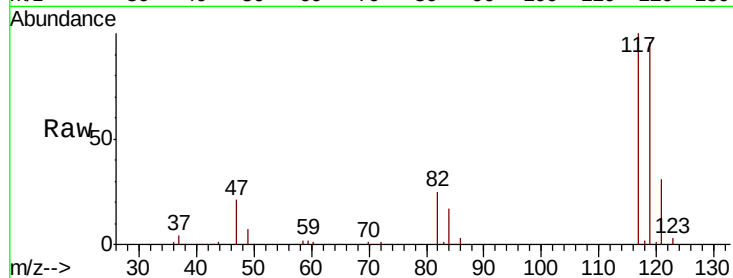
VSTD05084

Tot Ion:117 Resp: 180016

Ion Ratio Lower Upper

117 100

119 95.9 76.3 114.5



#33

Benzene

Concen: 49.810 ug/L

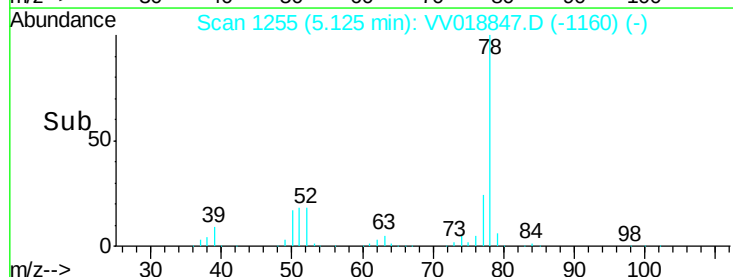
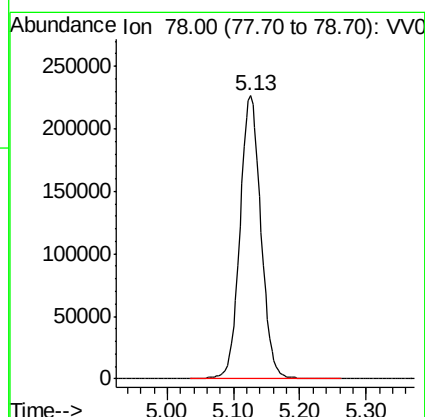
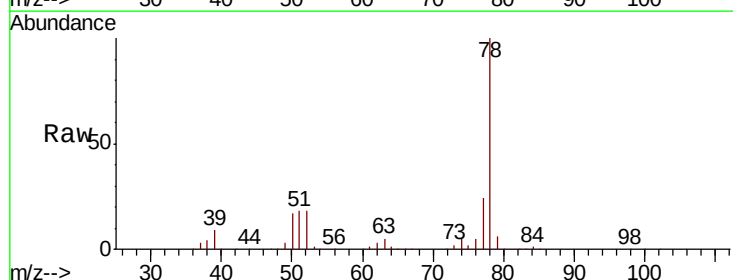
RT: 5.13 min Scan# 1255

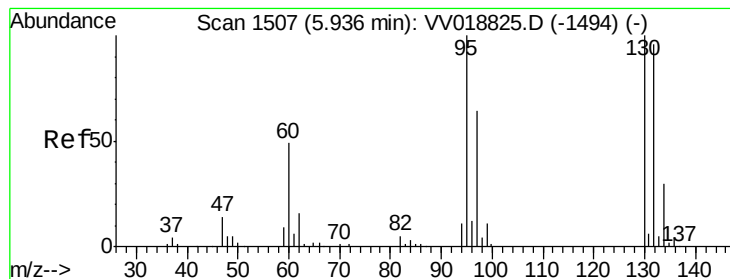
Delta R.T. 0.01 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Tgt Ion: 78 Resp: 496920





#34

Trichloroethene

Concen: 46.085 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

Tot Ion: 95 Resp: 132322

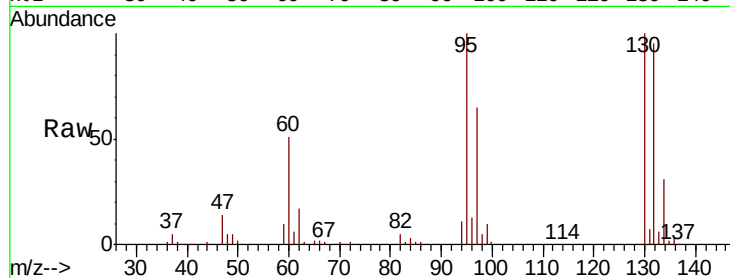
Ion Ratio Lower Upper

95 100

97 65.5 45.1 83.9

132 95.0 66.2 123.0

130 100.3 69.1 128.3



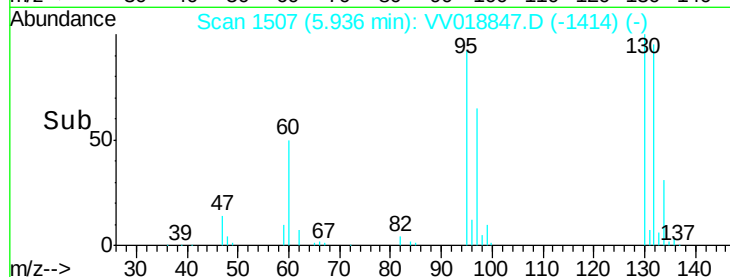
Abundance

Ion 95.00 (94.70 to 95.70): VV0

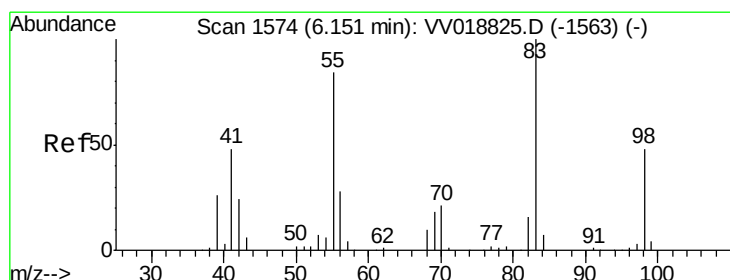
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



Time-->



#35

Methylcyclohexane

Concen: 49.131 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

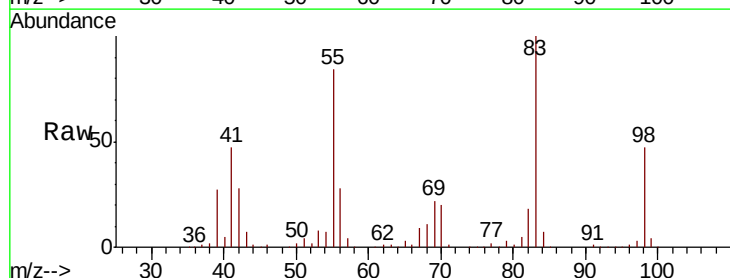
Tgt Ion: 83 Resp: 172611

Ion Ratio Lower Upper

83 100

55 83.4 67.0 100.4

98 47.0 38.8 58.2

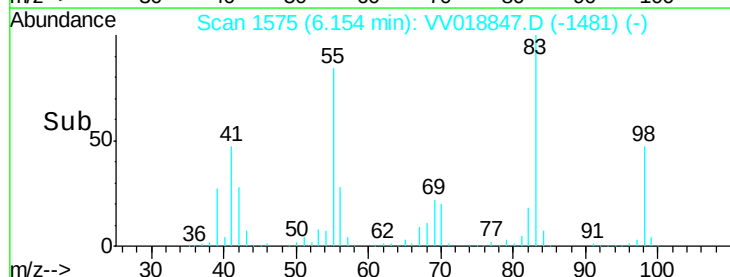


Abundance

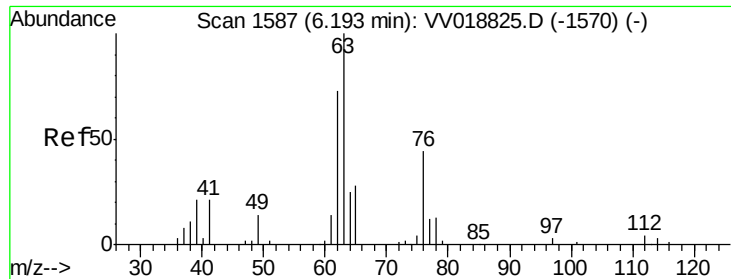
Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



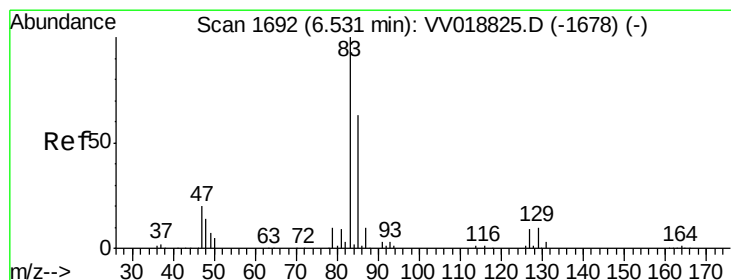
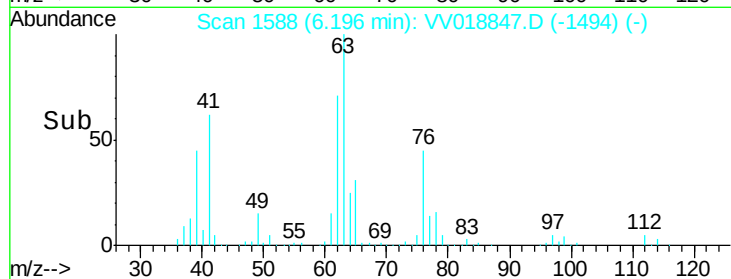
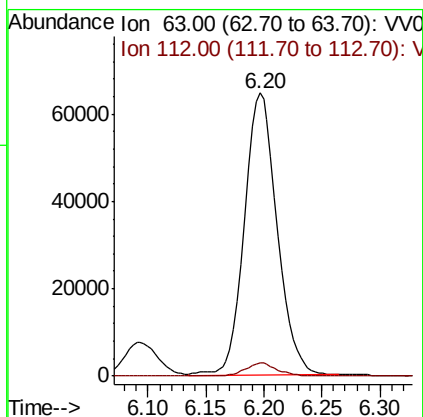
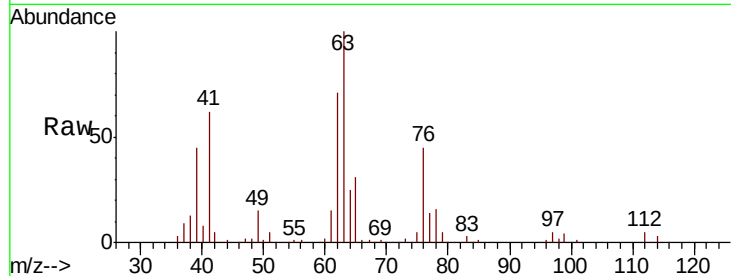
Time-->



#37
 1,2-Dichloropropane
 Concen: 46.425 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

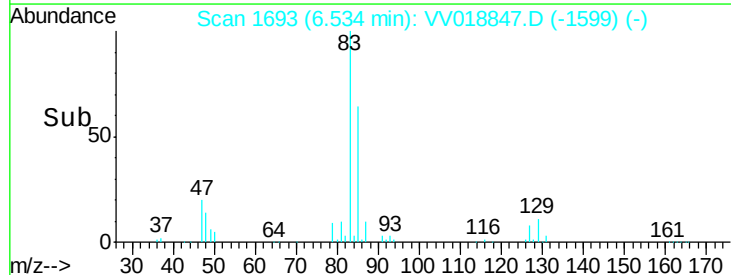
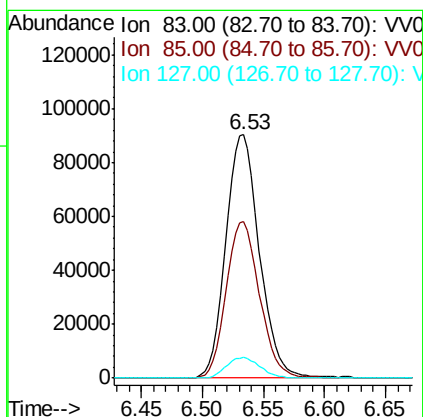
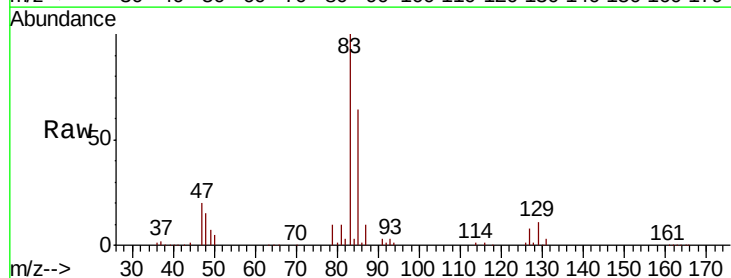
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

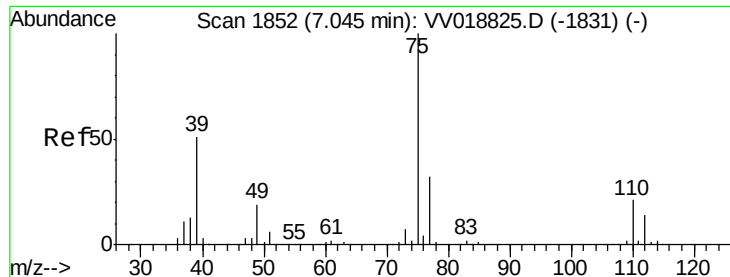
Tot Ion: 63 Resp: 127222
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 49.962 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

Tgt Ion: 83 Resp: 173882
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 8.3 6.6 10.0



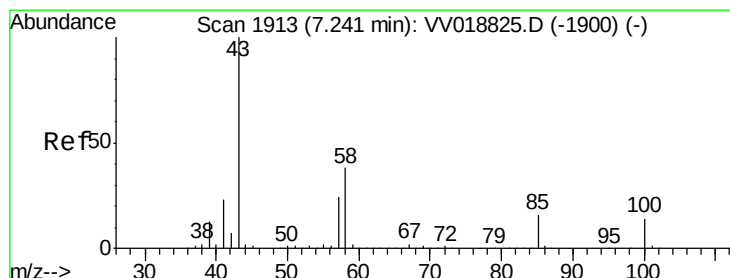
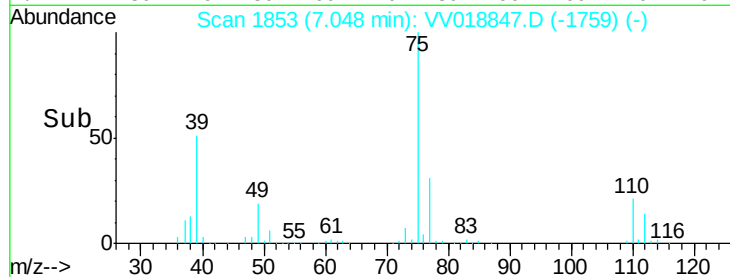
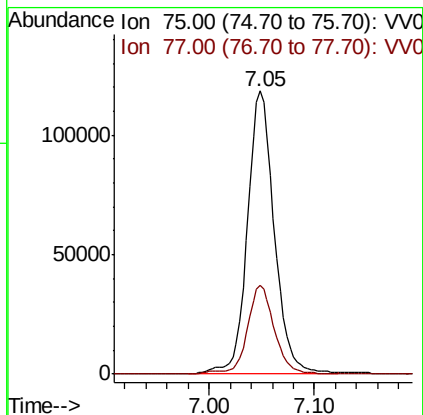
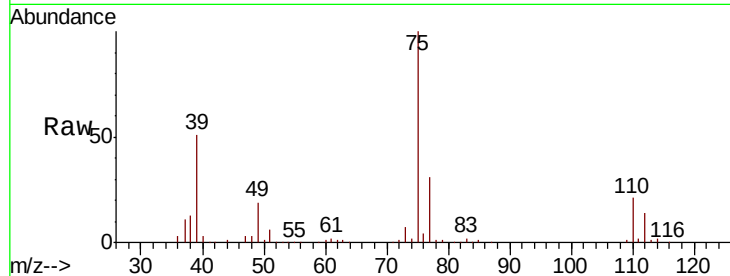


#39

cis-1,3-Dichloropropene
 Concen: 54.561 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

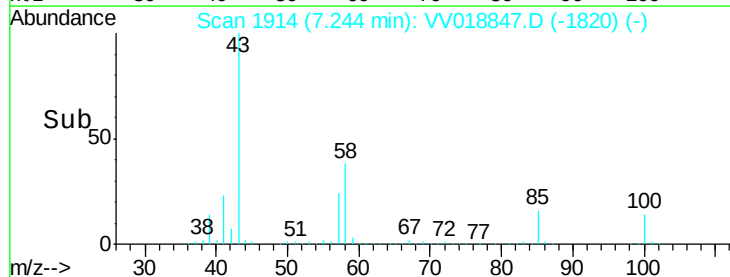
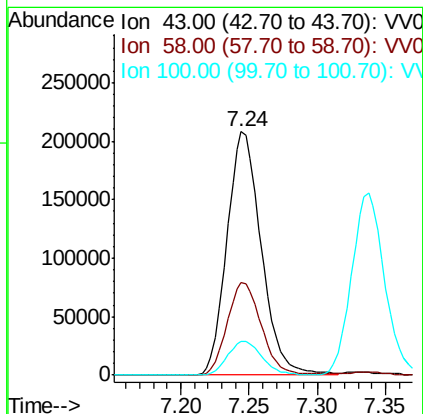
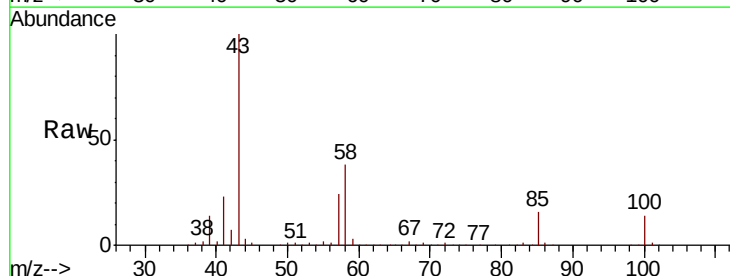
Tot Ion: 75 Resp: 211225
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.8 40.6

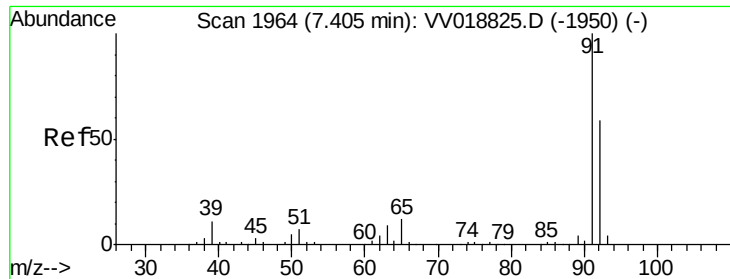


#40

4-Methyl-2-pentanone
 Concen: 102.369 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

Tgt Ion: 43 Resp: 364564
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.4
 100 14.0 11.4 17.2





#42

Toluene

Concen: 51.121 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

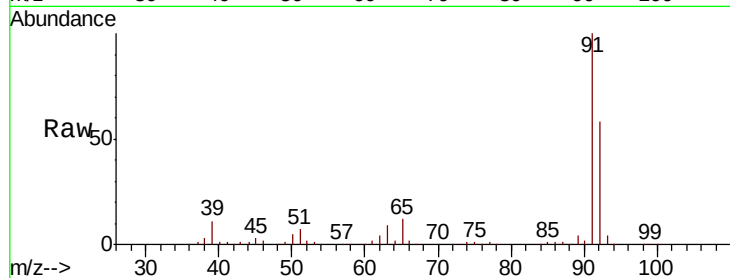
VSTD05084

Tot Ion: 91 Resp: 523843

Ion Ratio Lower Upper

91 100

92 58.3 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV018825.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV018847.D (-1871) (-)

7.41

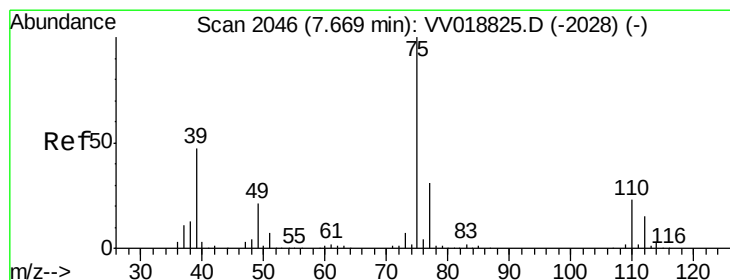
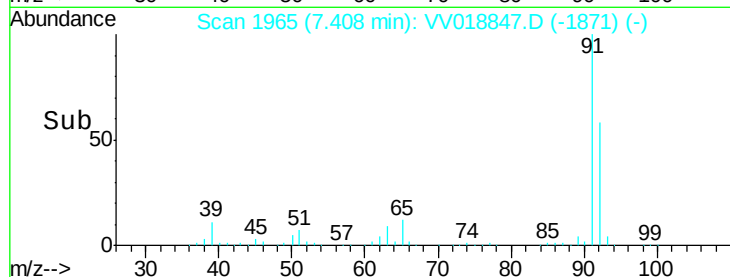
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 51.046 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018847.D

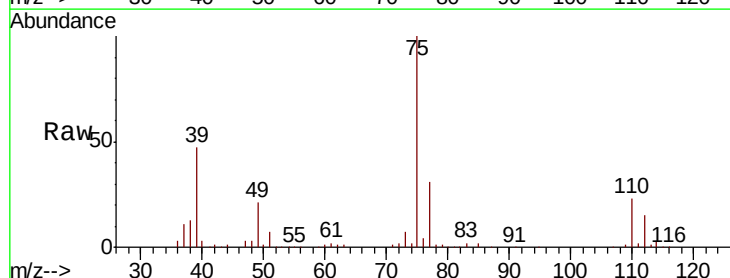
Acq: 10 Oct 2020 21:20

Tgt Ion: 75 Resp: 202505

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV018825.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV018847.D (-1953) (-)

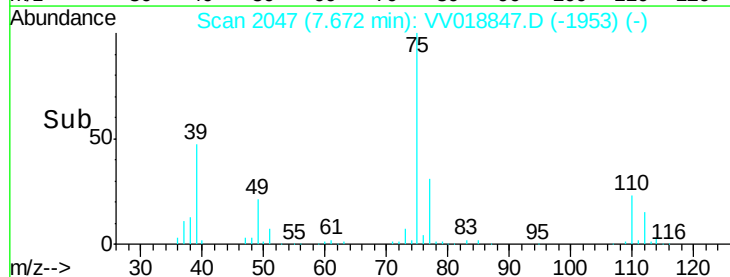
7.67

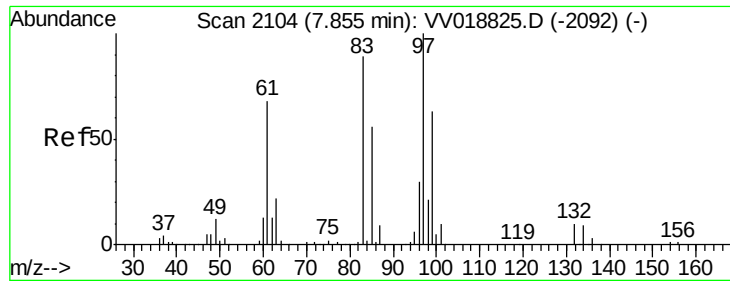
100000

50000

0

Time--> 7.60 7.70 7.80

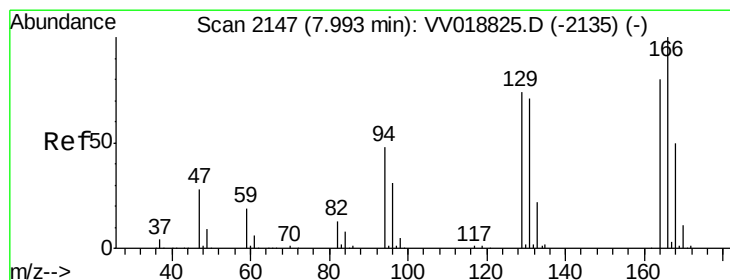
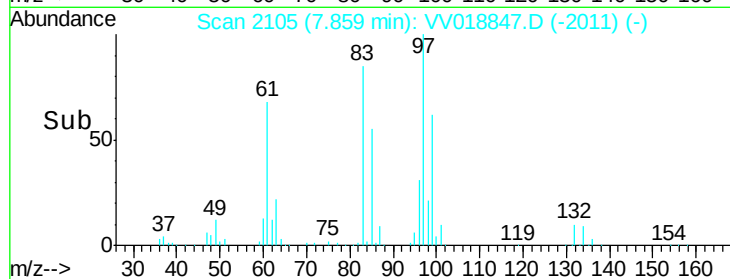
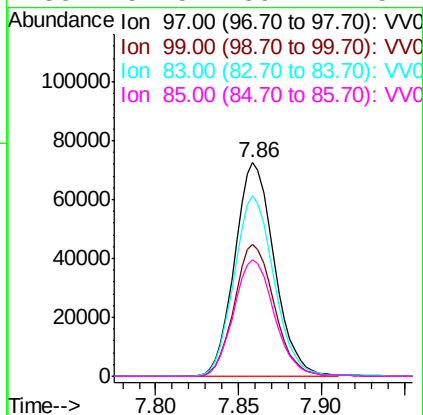
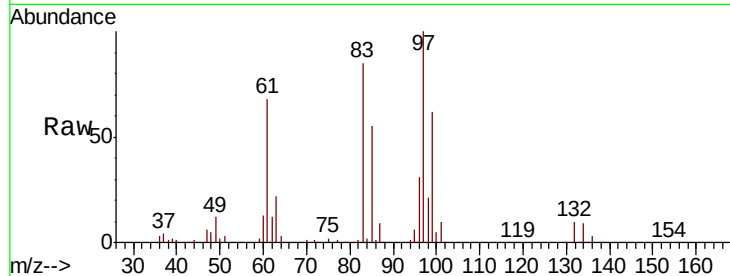




#45
 1,1,2-Trichloroethane
 Concen: 48.973 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

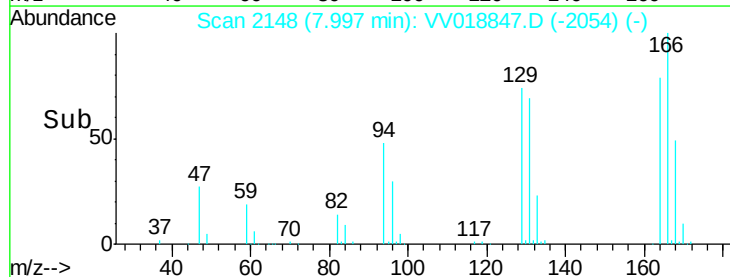
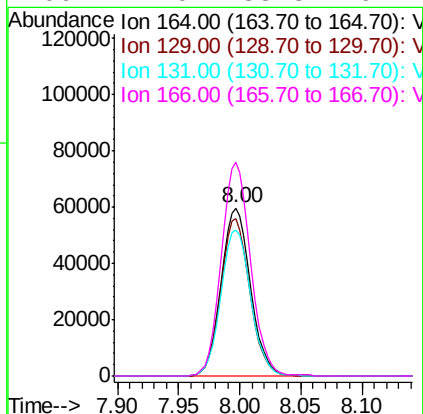
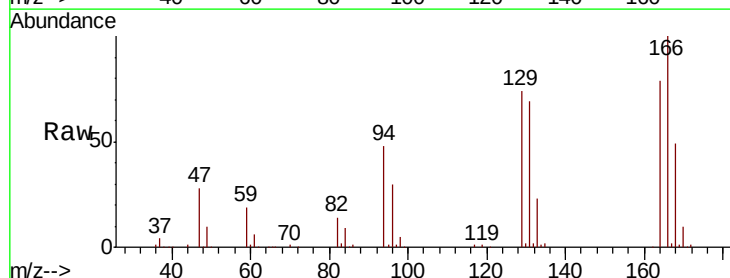
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05084

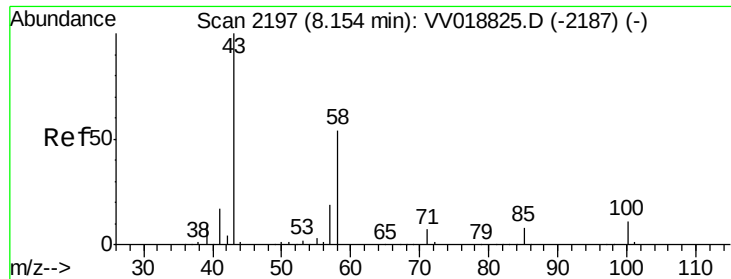
Tot Ion:	97	Resp:	120535
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.4	80.6
83	84.6	58.7	108.9
85	54.8	39.4	73.2



#46
 Tetrachloroethene
 Concen: 48.262 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

Tgt Ion:	164	Resp:	101557
Ion	Ratio	Lower	Upper
164	100		
129	93.4	64.6	120.0
131	87.1	63.6	118.0
166	127.0	88.3	164.1

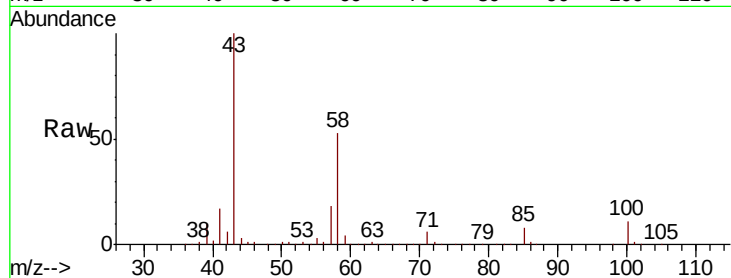




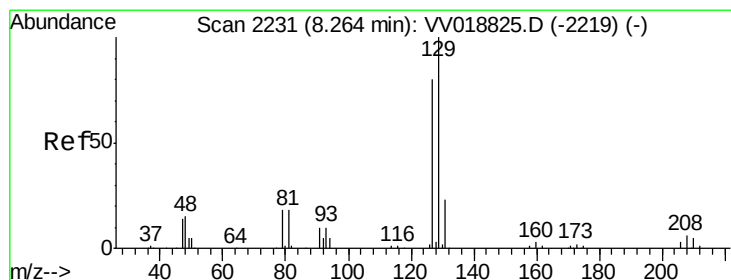
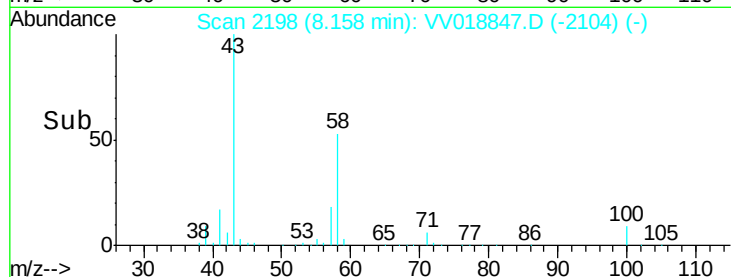
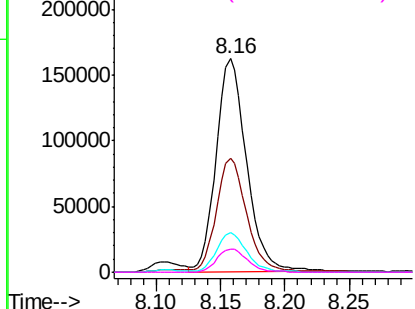
#48
2-Hexanone
Concen: 94.818 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018847.D
Acq: 10 Oct 2020 21:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

Tot Ion:	43	Resp:	266563
Ion	Ratio	Lower	Upper
43	100		
58	52.9	41.8	62.8
57	18.4	14.9	22.3
100	11.4	9.2	13.8

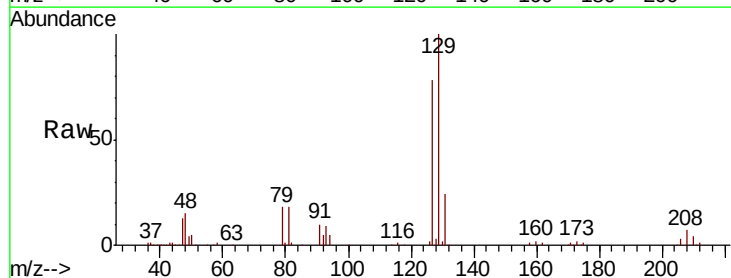


Abundance Ion 43.00 (42.70 to 43.70): VV018847.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV018847.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV018847.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV018847.D (-2197) (-)

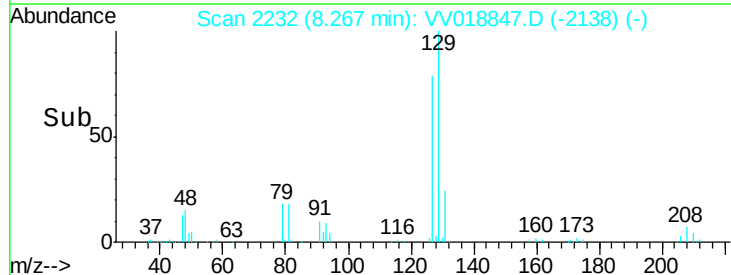
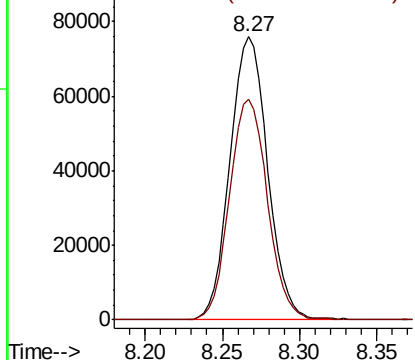


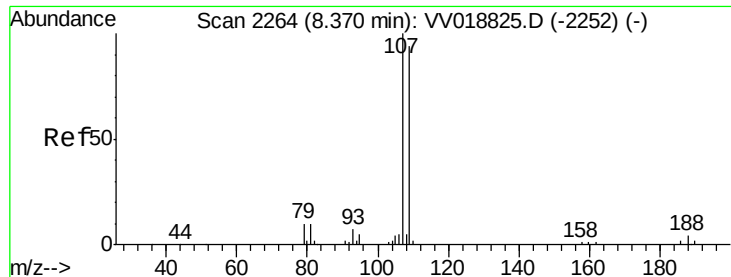
#49
Dibromochloromethane
Concen: 47.794 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018847.D
Acq: 10 Oct 2020 21:20

Tgt Ion:	129	Resp:	128573
Ion	Ratio	Lower	Upper
129	100		
127	78.0	55.3	102.7



Abundance Ion 129.00 (128.70 to 129.70): VV018847.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VV018847.D (-2231) (-)

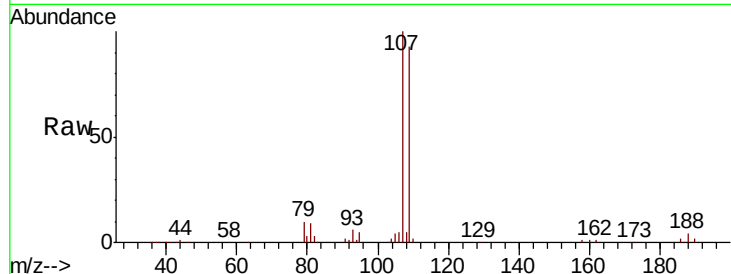




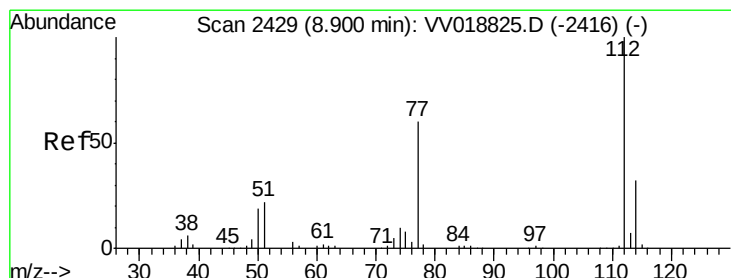
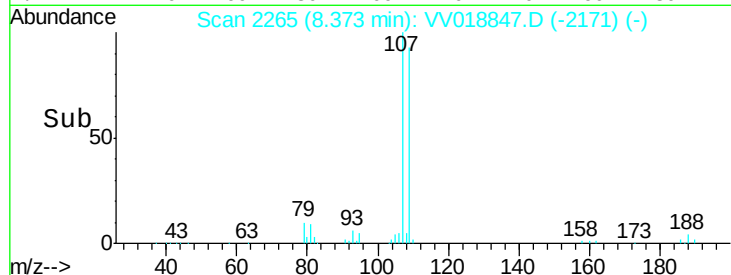
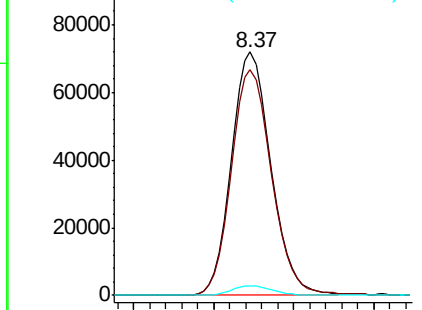
#50
 1,2-Dibromoethane
 Concen: 48.042 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	66.4	123.2
188	4.0	3.1	4.7

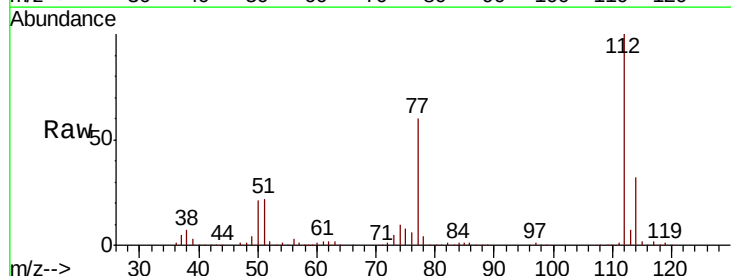


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

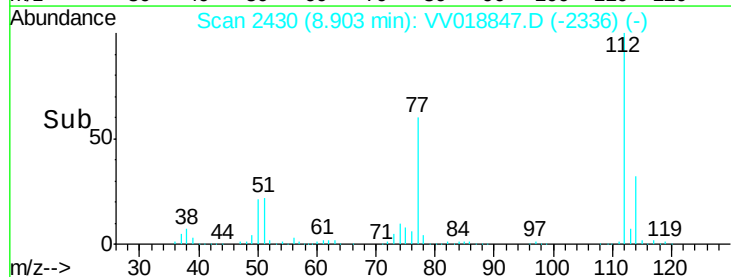
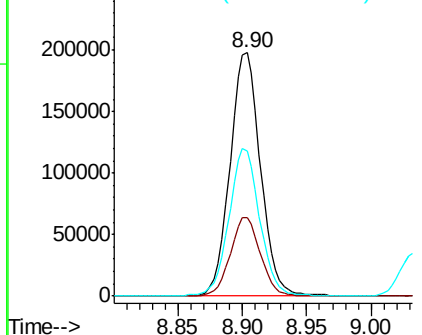


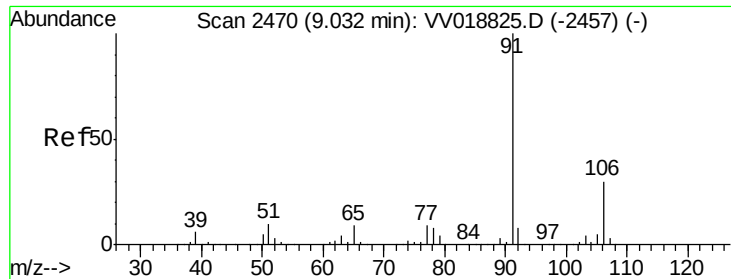
#51
 Chlorobenzene
 Concen: 47.755 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.0	41.0
77	59.8	49.8	74.6



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: 48.931 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

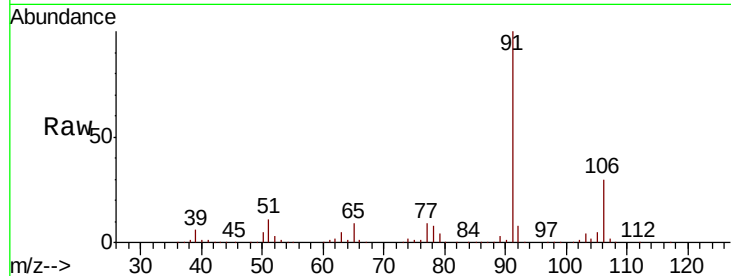
VSTD05084

Tot Ion: 91 Resp: 569383

Ion Ratio Lower Upper

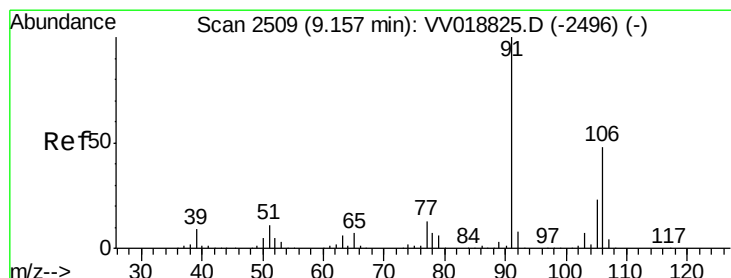
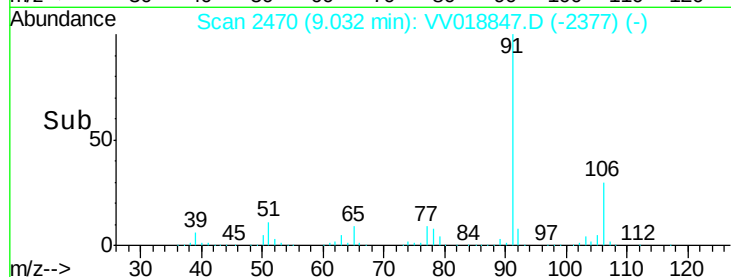
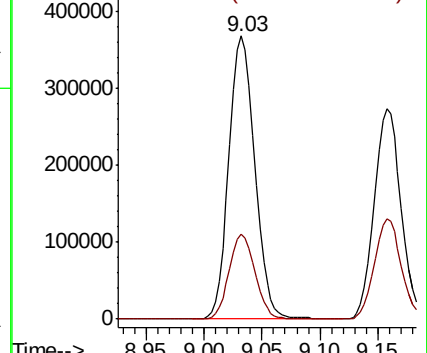
91 100

106 30.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018847.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018847.D (-2377) (-)



#53

m,p-Xylene

Concen: 48.952 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018847.D

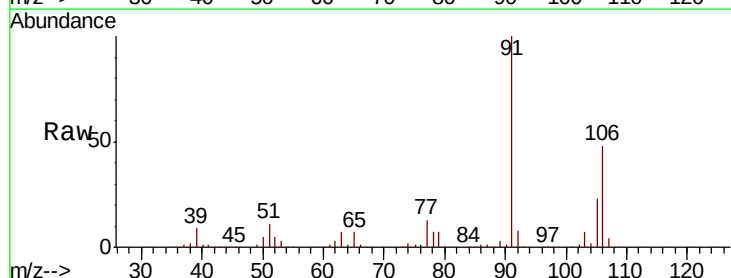
Acq: 10 Oct 2020 21:20

Tgt Ion: 106 Resp: 209093

Ion Ratio Lower Upper

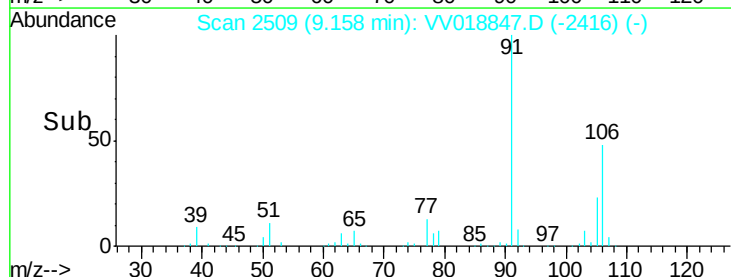
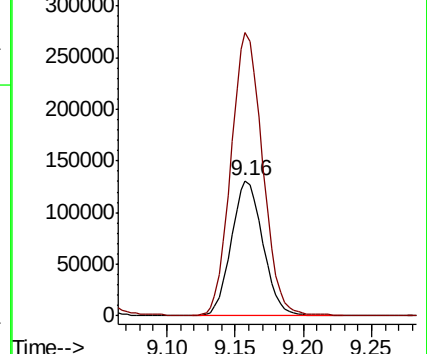
106 100

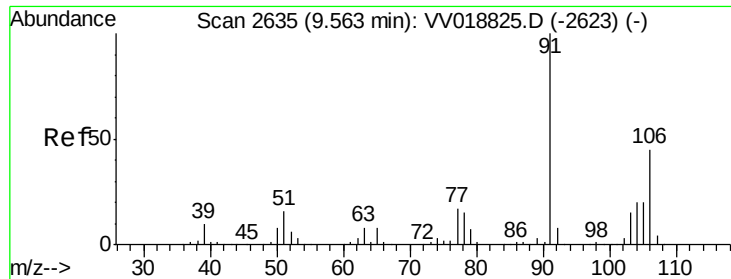
91 209.1 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): VV018847.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018847.D (-2416) (-)





#54

o-xylene

Concen: 50.027 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

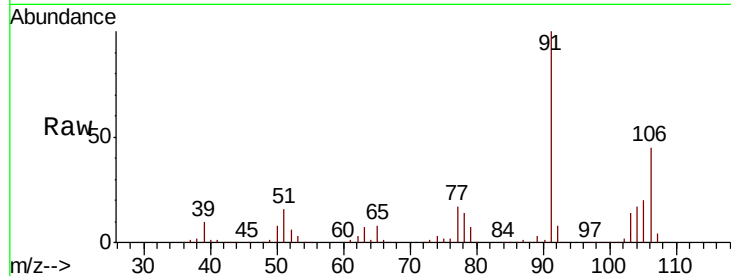
VSTD05084

Tot Ion:106 Resp: 202951

Ion Ratio Lower Upper

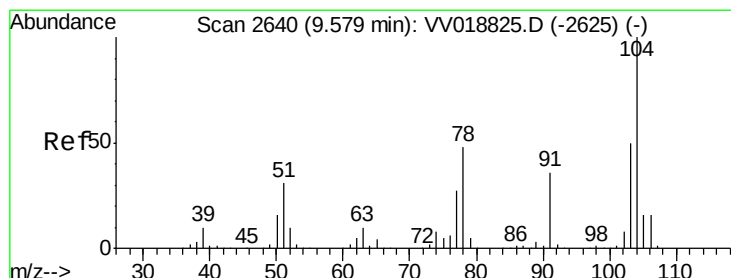
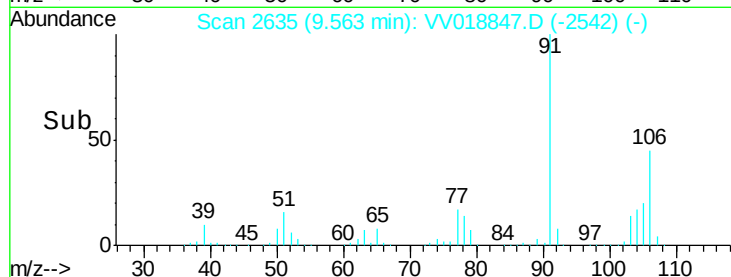
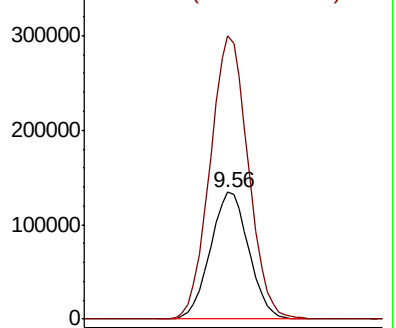
106 100

91 223.4 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.294 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018847.D

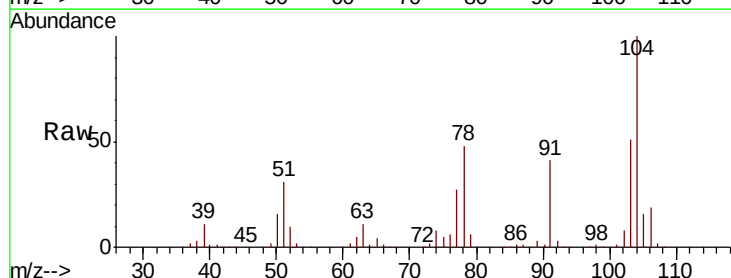
Acq: 10 Oct 2020 21:20

Tgt Ion:104 Resp: 361132

Ion Ratio Lower Upper

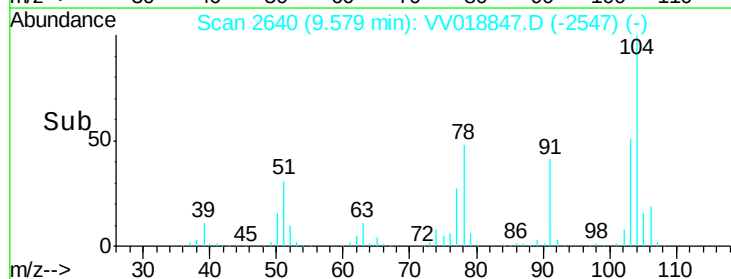
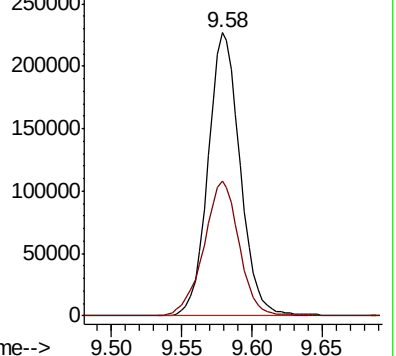
104 100

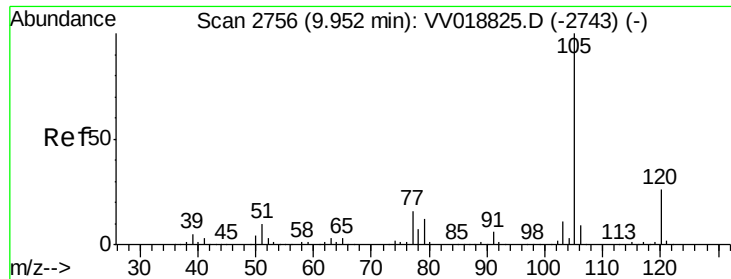
78 47.5 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.117 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

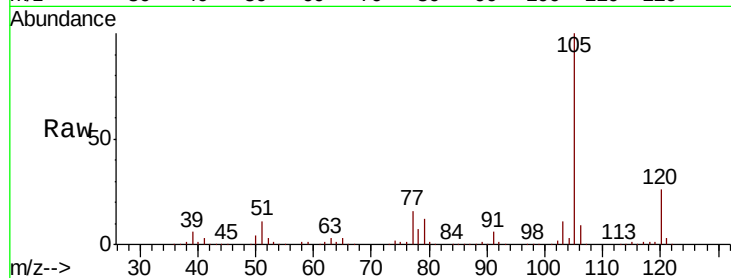
Tot Ion:105 Resp: 540114

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

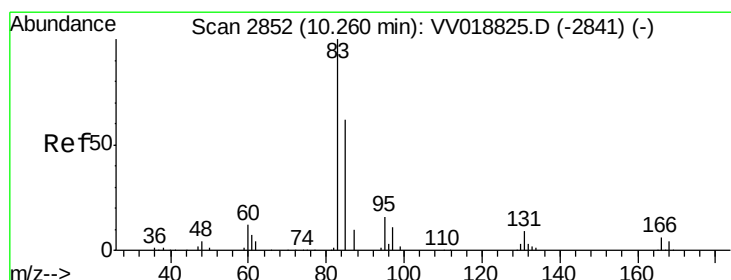
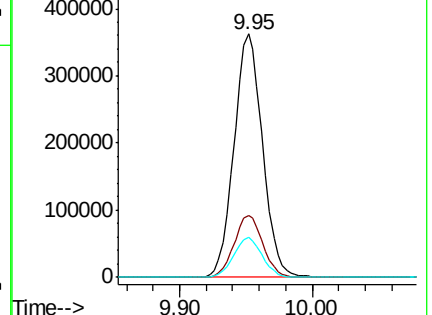
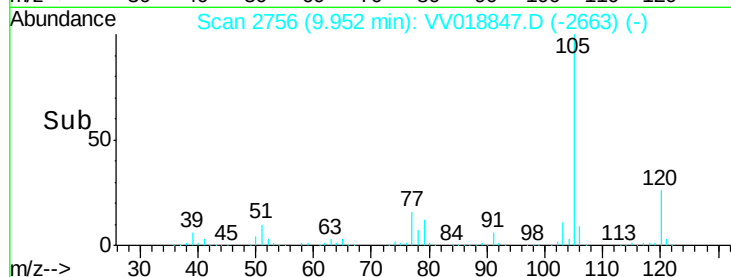
77 16.4 13.0 19.6



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: 50.203 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

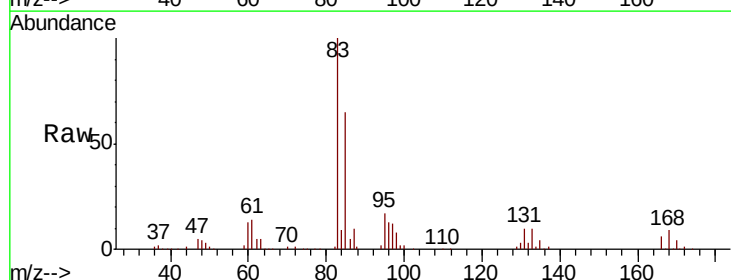
Tgt Ion: 83 Resp: 172358

Ion Ratio Lower Upper

83 100

85 64.6 44.5 82.7

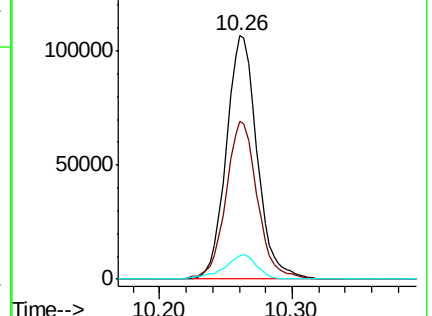
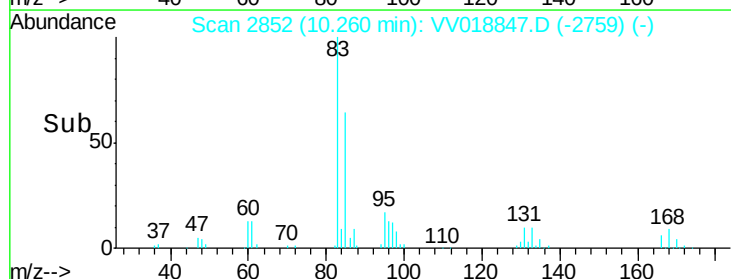
131 9.8 8.0 12.0

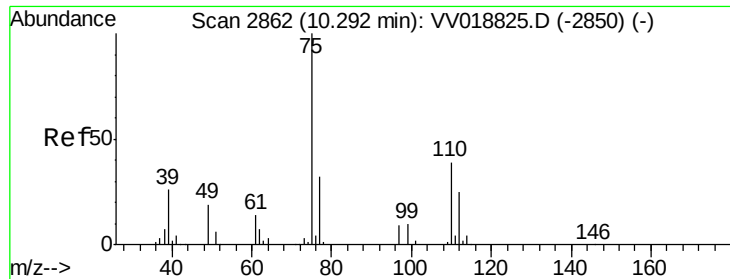


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.705 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

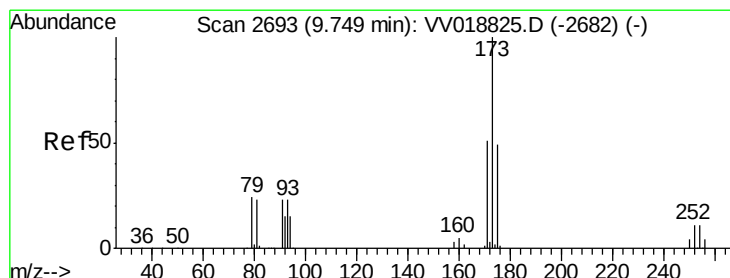
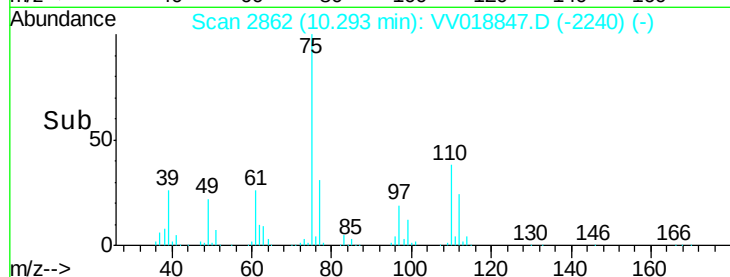
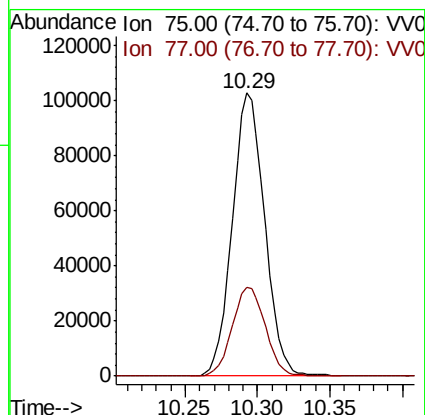
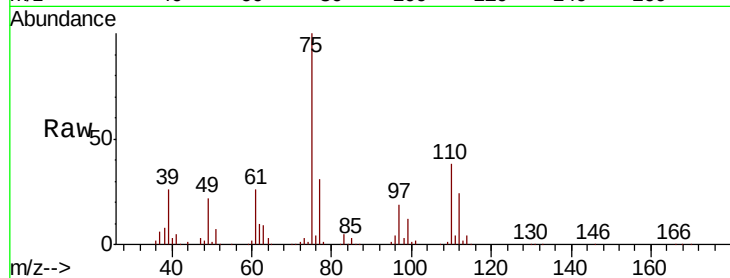
VSTD05084

Tot Ion: 75 Resp: 158817

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#61

Bromoform

Concen: 47.146 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

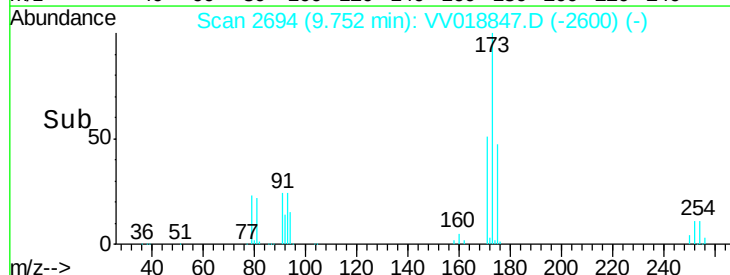
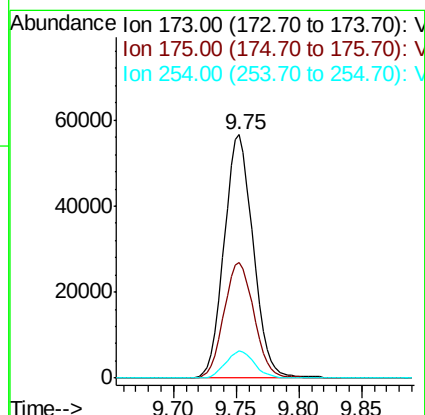
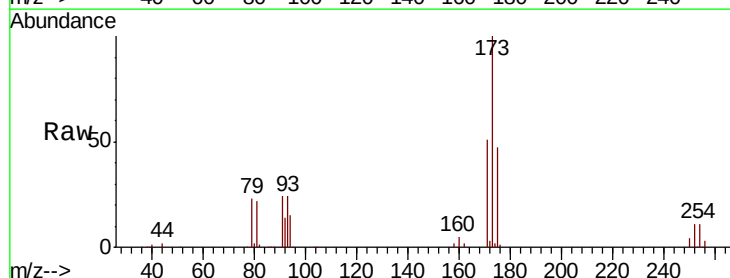
Tgt Ion: 173 Resp: 91087

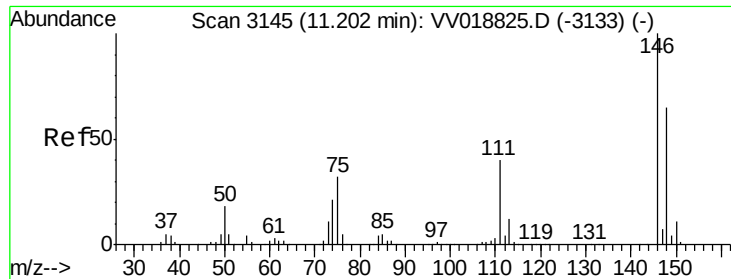
Ion Ratio Lower Upper

173 100

175 48.9 38.7 58.1

254 11.0 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 48.123 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

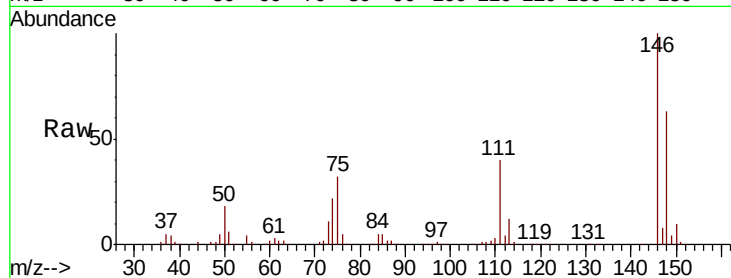
Tot Ion:146 Resp: 273200

Ion Ratio Lower Upper

146 100

111 40.0 27.8 51.6

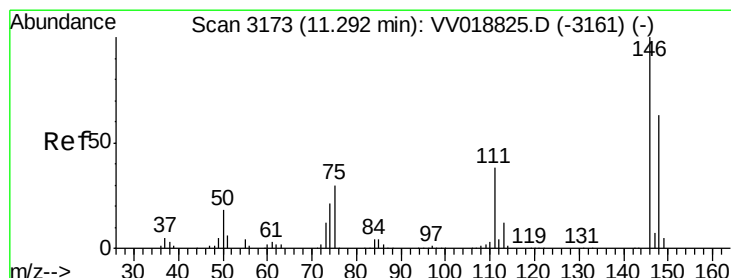
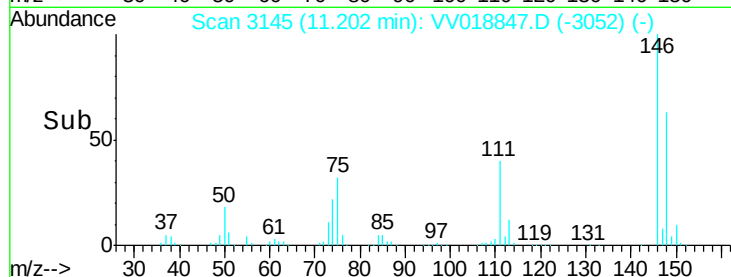
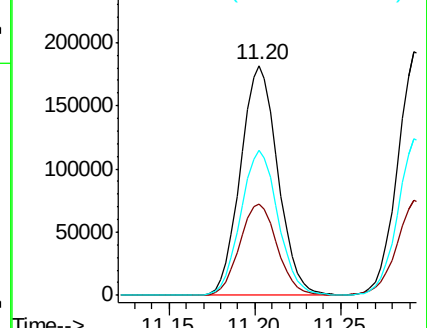
148 63.0 45.4 84.4



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: 49.149 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

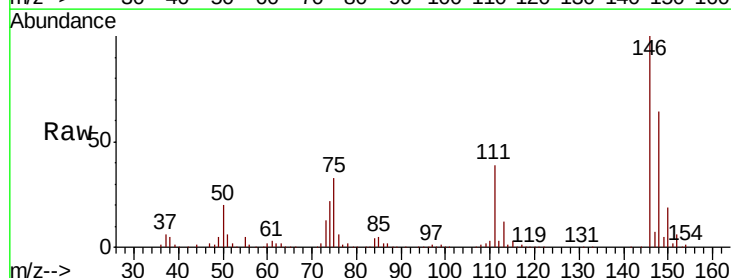
Tgt Ion:146 Resp: 290249

Ion Ratio Lower Upper

146 100

111 39.0 27.1 50.3

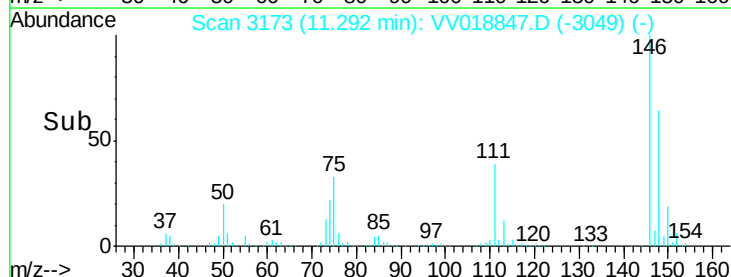
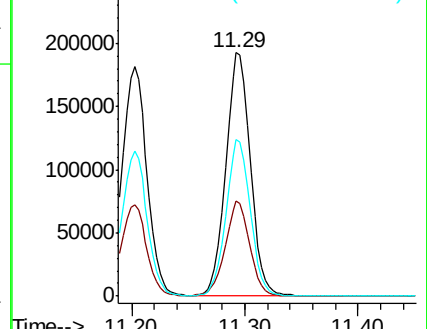
148 64.3 45.4 84.4

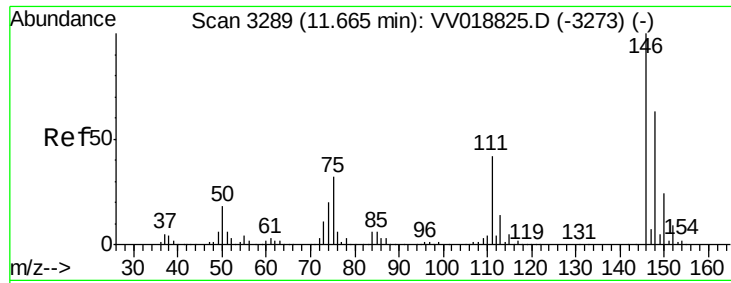


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

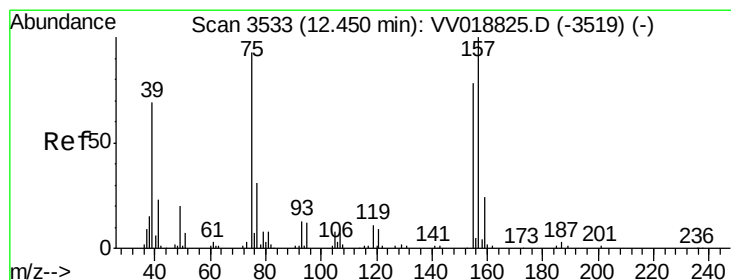
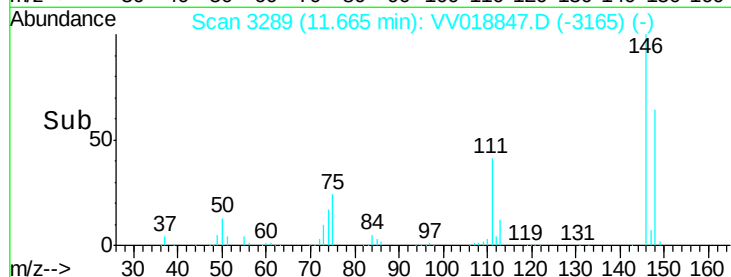
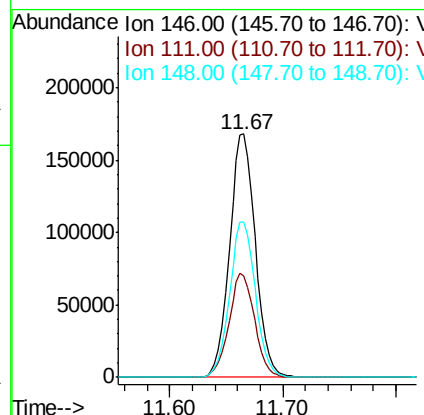
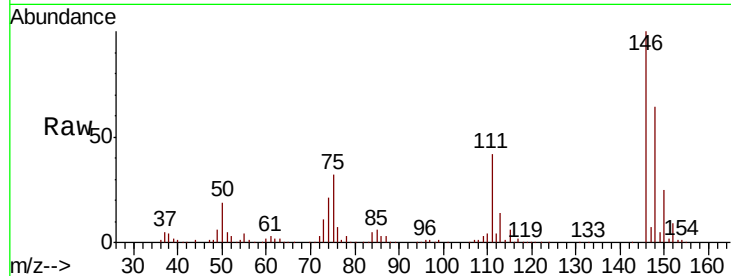




#65
 1,2-Dichlorobenzene
 Concen: 46.668 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

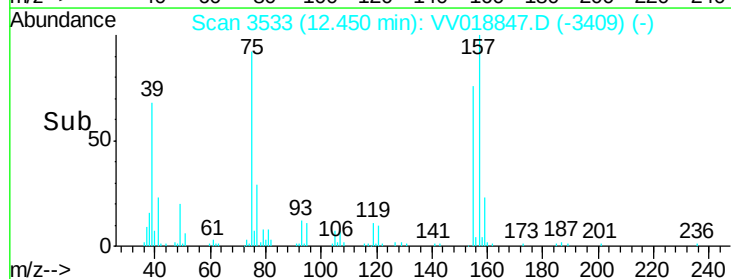
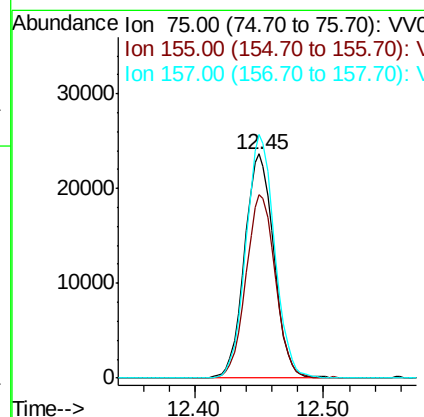
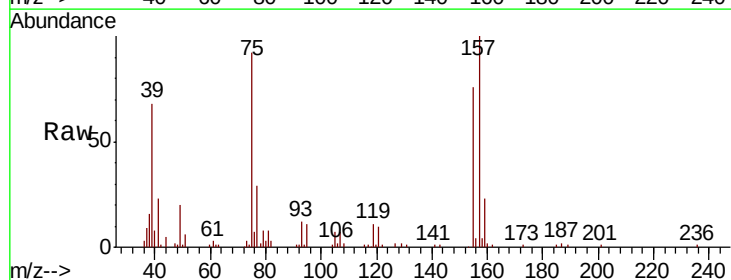
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

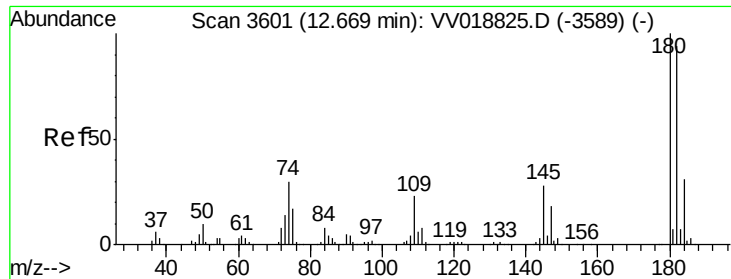
Tot Ion:146 Resp: 265985
 Ion Ratio Lower Upper
 146 100
 111 41.6 33.8 50.6
 148 63.9 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.511 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

Tgt Ion: 75 Resp: 37353
 Ion Ratio Lower Upper
 75 100
 155 82.1 65.8 98.8
 157 108.7 83.0 124.6

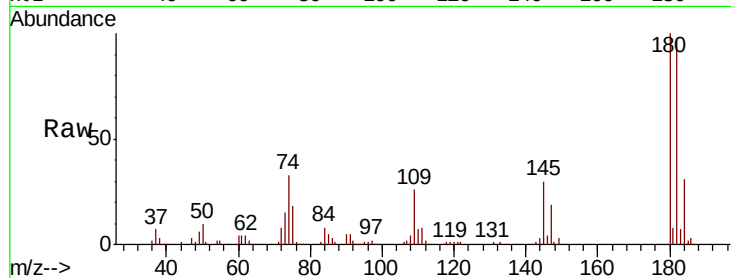




#67
 1,3,5-Trichlorobenzene
 Concen: 46.261 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
184	31.2	24.6	37.0
145	29.8	23.4	35.0

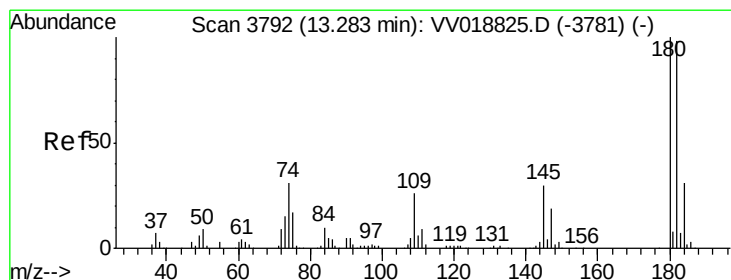
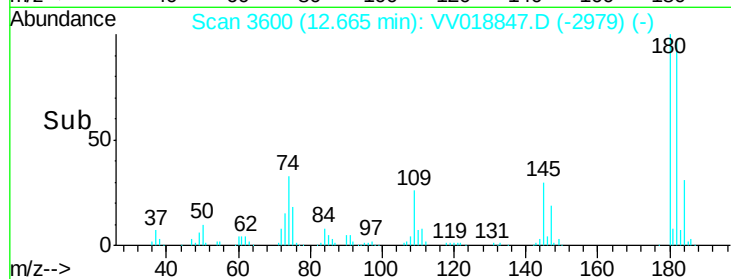
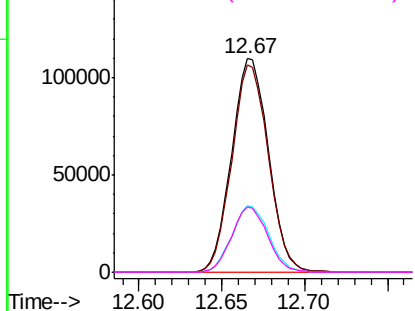


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

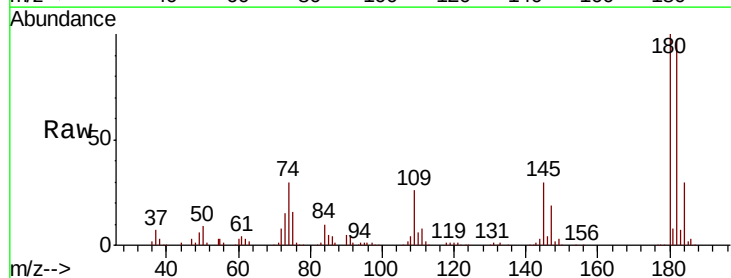
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.521 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018847.D
 Acq: 10 Oct 2020 21:20

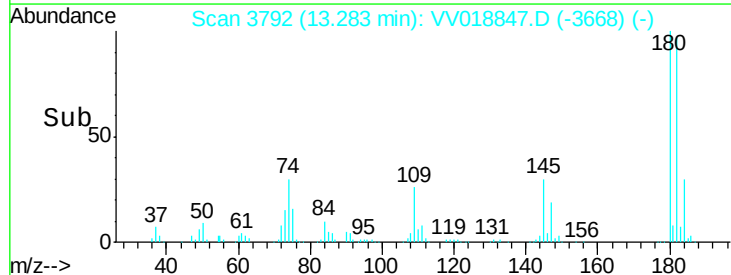
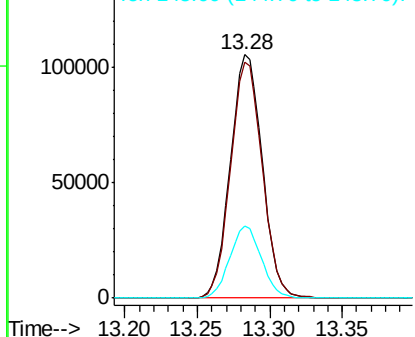
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.7	115.1
145	29.4	24.0	36.0

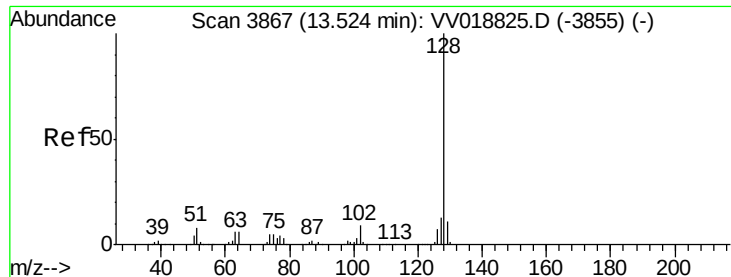


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 48.678 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

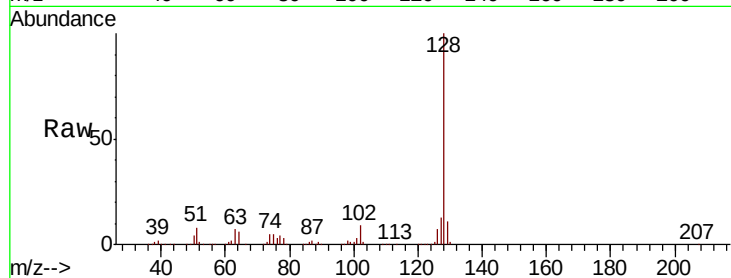
Tot Ion:128 Resp: 474243

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

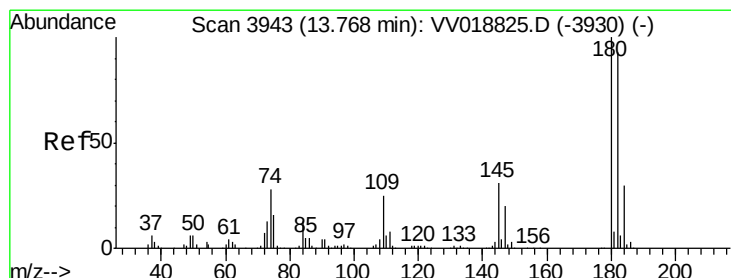
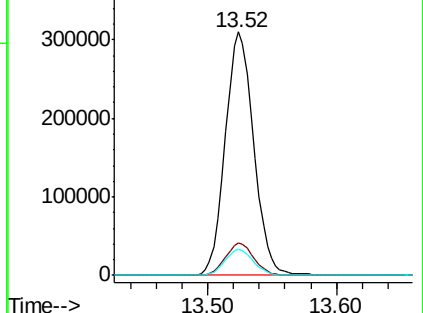
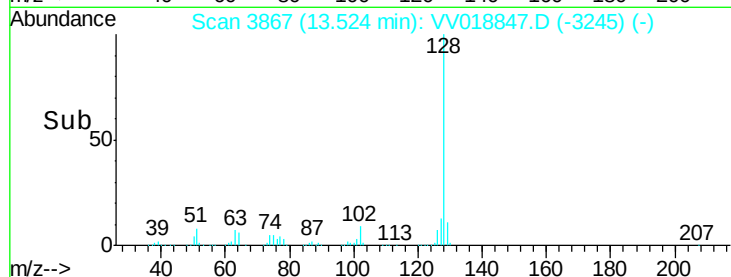
129 10.8 8.6 13.0



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: 47.172 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018847.D

Acq: 10 Oct 2020 21:20

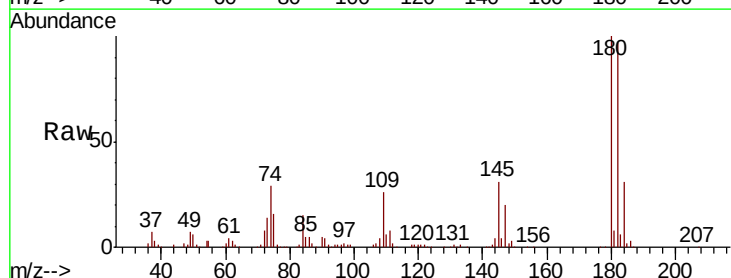
Tgt Ion:180 Resp: 161916

Ion Ratio Lower Upper

180 100

182 96.3 75.9 113.9

145 31.7 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

