

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
 Data File : VV018961.D
 Acq On : 19 Oct 2020 10:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Quant Time: Oct 20 01:01:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 19 17:16:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	310809	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	310644	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168719	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	101802	39.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.58%
7) Chloroethane-d5	1.57	69	89990	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.78%
11) 1,1-Dichloroethene-d2	2.12	63	225675	46.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.46%
21) 2-Butanone-d5	3.90	46	167219	93.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.77%
24) Chloroform-d	4.37	84	209433	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	5.05	65	140900	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.36%
32) Benzene-d6	5.07	84	386831	42.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.32%
36) 1,2-Dichloropropane-d6	6.09	67	126280	43.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.10%
41) Toluene-d8	7.33	98	354928	43.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.26%
43) trans-1,3-Dichloropropene-	7.64	79	64217	45.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.62%
47) 2-Hexanone-d5	8.10	63	97246	90.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.28%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	154199	45.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.76%
64) 1,2-Dichlorobenzene-d4	11.65	152	147755	43.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	133189	49.489	ug/L 100
3) Chloromethane	1.25	50	151425	49.889	ug/L 100
5) Vinyl chloride	1.32	62	150021	51.139	ug/L 99
6) Bromomethane	1.53	94	92284	51.560	ug/L 99
8) Chloroethane	1.59	64	94024	53.439	ug/L 98
9) Trichlorofluoromethane	1.76	101	207873	53.685	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	115405	57.236	ug/L 99
12) 1,1-Dichloroethene	2.13	96	112103	54.864	ug/L 92
13) Acetone	2.18	43	140474	107.799	ug/L 98
14) Carbon disulfide	2.31	76	360839	51.835	ug/L 99
15) Methyl Acetate	2.44	43	135807	50.733	ug/L 99
16) Methylene chloride	2.52	84	127717	52.102	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	118541	52.262	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	375750	52.432	ug/L 100
19) 1,1-Dichloroethane	3.21	63	234951	53.244	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	124134	51.636	ug/L 98
22) 2-Butanone	3.98	43	184962	104.393	ug/L 95

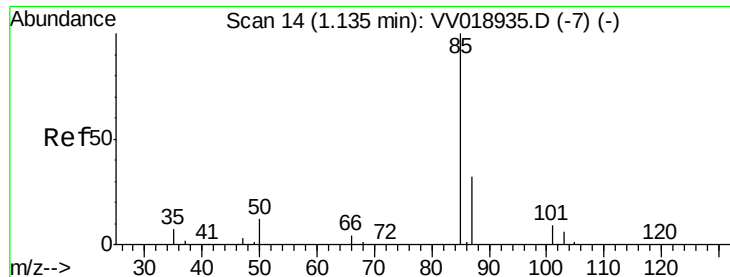
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
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 Quant Title : VOC Analysis
 QLast Update : Mon Oct 19 17:16:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	62518	50.355	ug/L	97
25) Chloroform	4.40	83	221659	49.954	ug/L	98
27) 1,2-Dichloroethane	5.15	62	177261	48.902	ug/L	98
29) Cyclohexane	4.70	56	180426	48.873	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	193396	50.173	ug/L	99
31) Carbon tetrachloride	4.85	117	169635	51.707	ug/L	99
33) Benzene	5.12	78	460688	48.379	ug/L	100
34) Trichloroethene	5.94	95	129747	47.248	ug/L	99
35) Methylcyclohexane	6.15	83	165109	49.645	ug/L	99
37) 1,2-Dichloropropane	6.19	63	122691	48.129	ug/L	99
38) Bromodichloromethane	6.53	83	162188	49.625	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	182378	47.613	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	330840	94.110	ug/L	99
42) Toluene	7.41	91	495286	50.358	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	189607	51.080	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	112877	47.603	ug/L	99
46) Tetrachloroethene	7.99	164	96207	49.712	ug/L	98
48) 2-Hexanone	8.15	43	259421	93.071	ug/L	99
49) Dibromochloromethane	8.26	129	125781	50.104	ug/L	98
50) 1,2-Dibromoethane	8.37	107	117492	47.545	ug/L	100
51) Chlorobenzene	8.90	112	314351	49.025	ug/L	99
52) Ethylbenzene	9.03	91	536868	50.425	ug/L	100
53) m,p-Xylene	9.16	106	203815	51.384	ug/L	100
54) o-xylene	9.56	106	192618	50.758	ug/L	100
55) Styrene	9.58	104	349250	52.324	ug/L	99
56) Isopropylbenzene	9.95	105	515562	51.751	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	149459	46.420	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	144304	46.766	ug/L	98
61) Bromoform	9.75	173	91302	49.538	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	256067	48.957	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	264668	48.130	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	252781	47.902	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34262	43.568	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	174638	49.705	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	162318	50.136	ug/L	99
69) Naphthalene	13.52	128	455629	49.590	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	166425	51.426	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.489 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

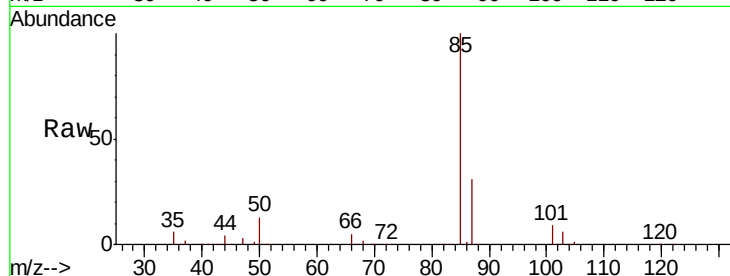
VSTD05094

Tot Ion: 85 Resp: 133189

Ion Ratio Lower Upper

85 100

87 31.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV018961.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018961.D (-1) (-)

1.13

150000

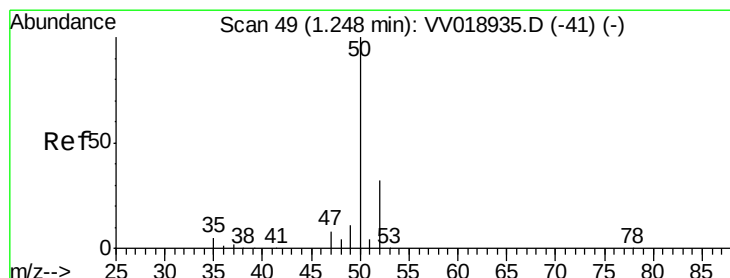
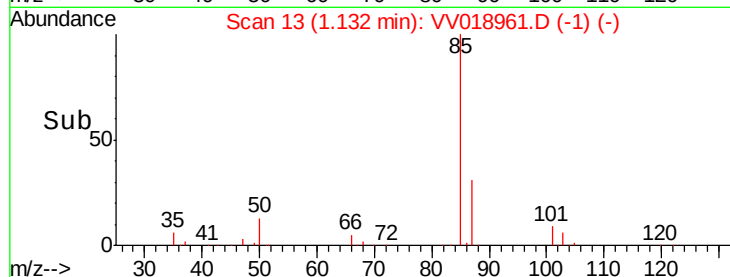
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 49.889 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018961.D

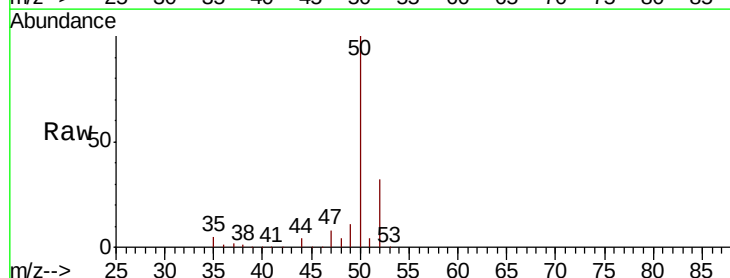
Acq: 19 Oct 2020 10:22

Tgt Ion: 50 Resp: 151425

Ion Ratio Lower Upper

50 100

52 32.2 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV018961.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018961.D (-1) (-)

1.25

150000

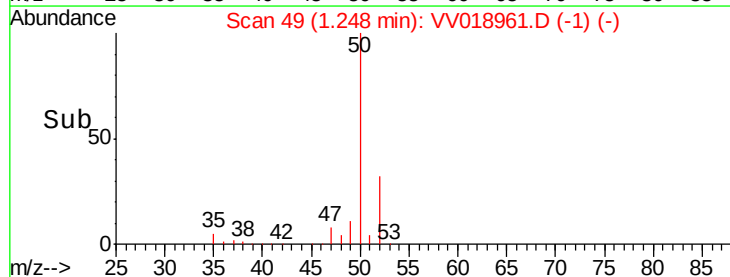
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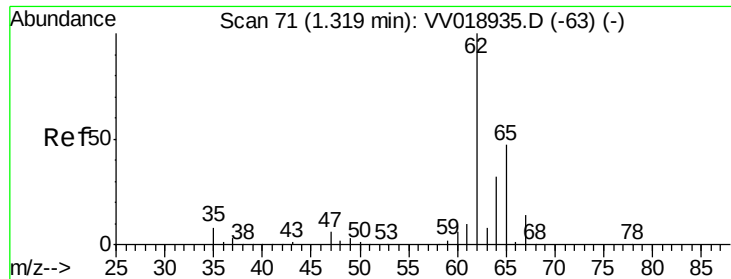
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 51.139 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleID :

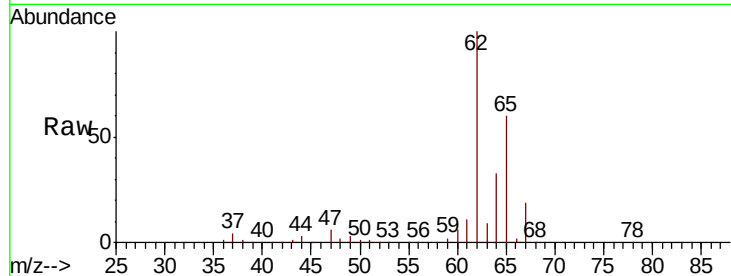
VSTD05094

Tot Ion: 62 Resp: 150021

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

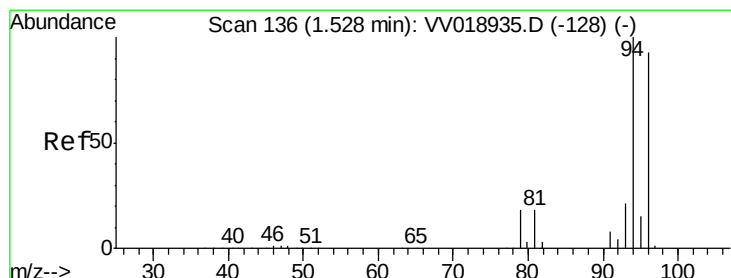
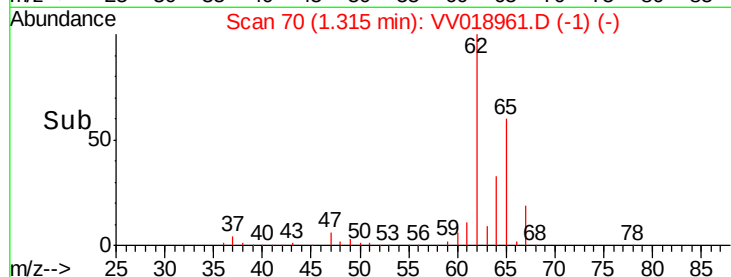
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 51.560 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV018961.D

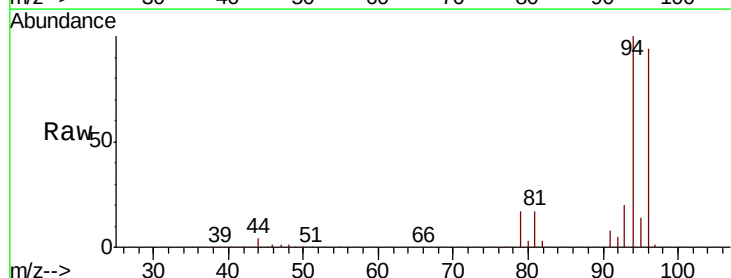
Acq: 19 Oct 2020 10:22

Tgt Ion: 94 Resp: 92284

Ion Ratio Lower Upper

94 100

96 93.9 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

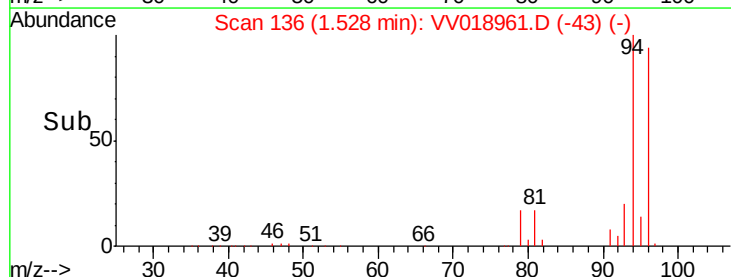
60000

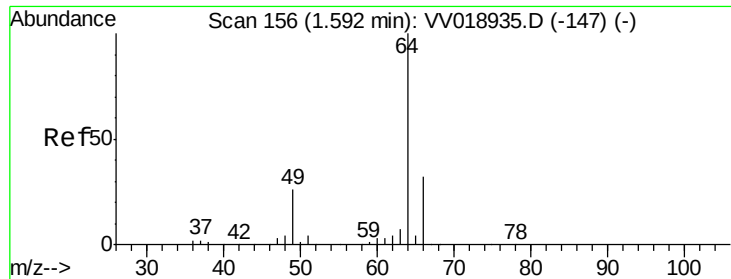
40000

20000

0

Time-->

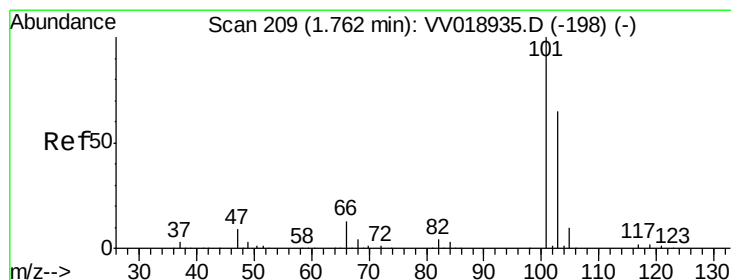
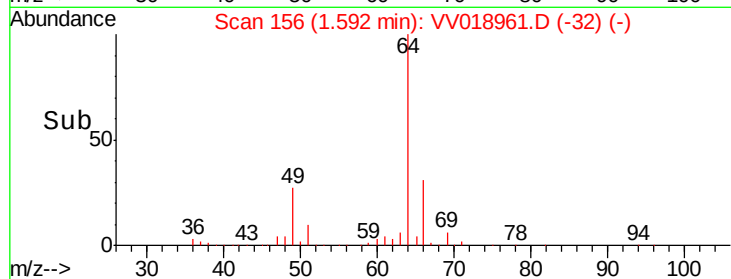
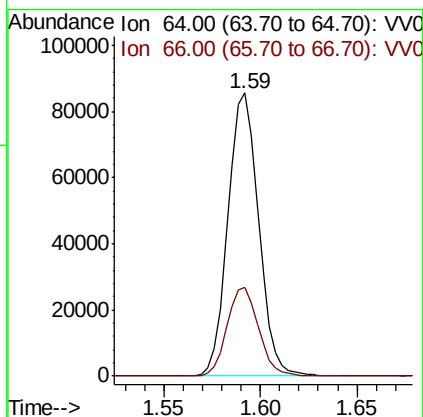
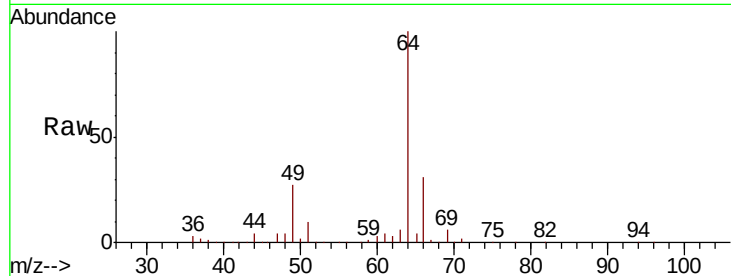




#8
Chloroethane
Concen: 53.439 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

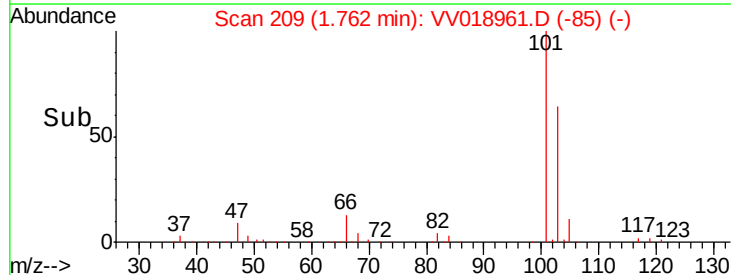
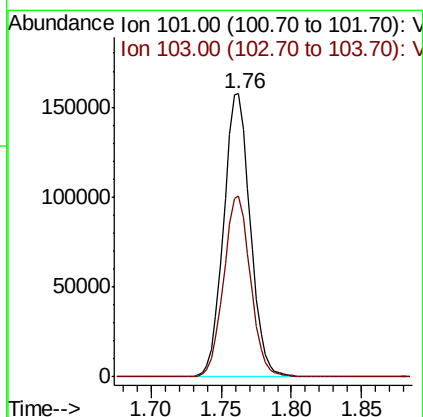
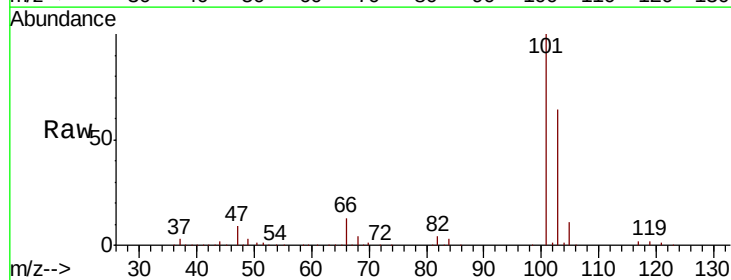
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

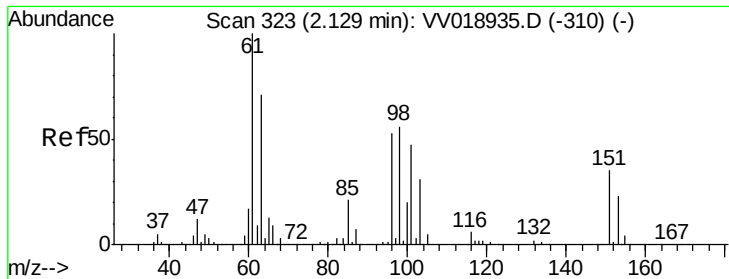
Tot Ion: 64 Resp: 94024
Ion Ratio Lower Upper
64 100
66 31.3 22.7 42.1



#9
Trichlorofluoromethane
Concen: 53.685 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

Tgt Ion:101 Resp: 207873
Ion Ratio Lower Upper
101 100
103 64.4 51.9 77.9





#10

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

Concen: 57.236 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

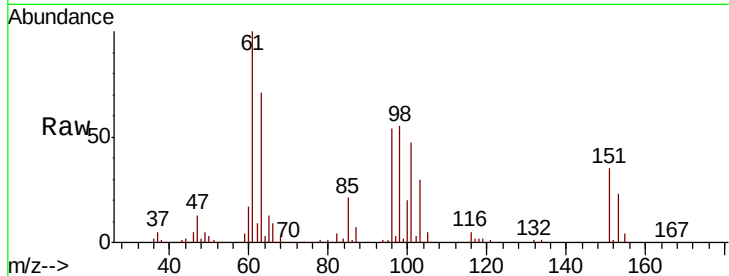
Tot Ion:101 Resp: 115405

Ion Ratio Lower Upper

101 100

85 44.2 35.0 52.4

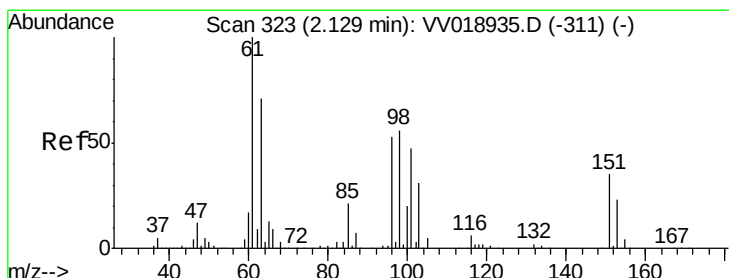
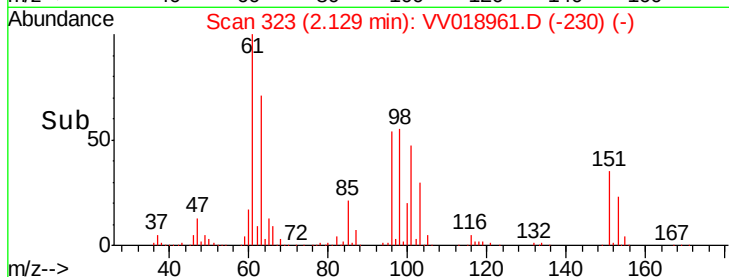
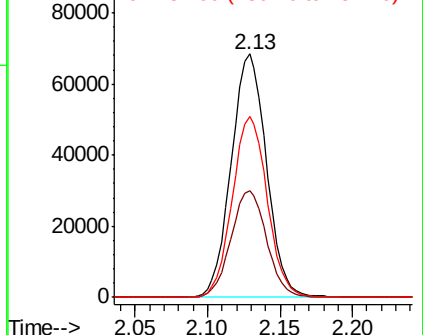
151 73.8 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): VV018935.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV018935.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV018935.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 54.864 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

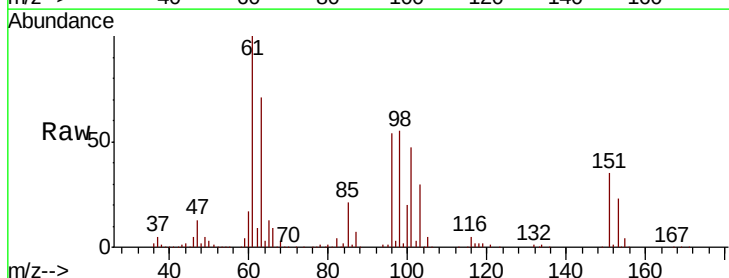
Tgt Ion: 96 Resp: 112103

Ion Ratio Lower Upper

96 100

61 183.5 133.5 247.9

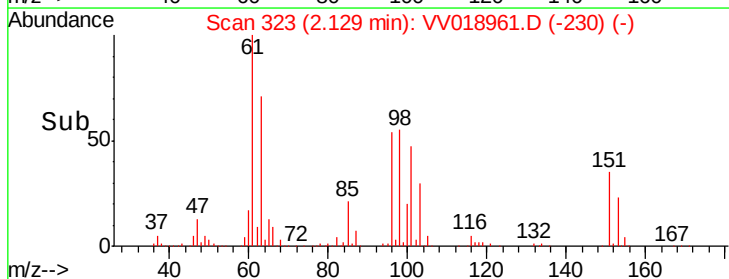
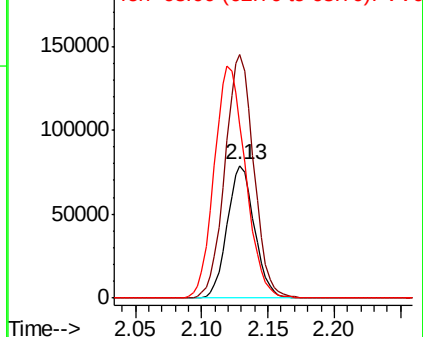
63 131.0 102.1 189.7

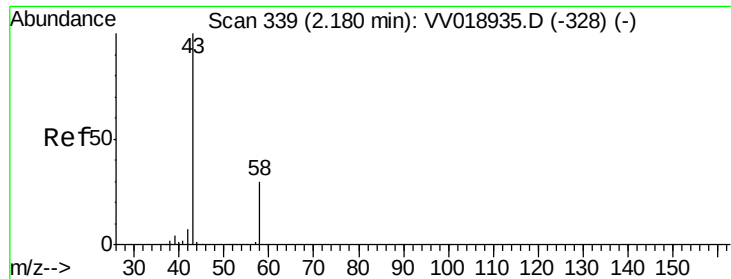


Abundance Ion 96.00 (95.70 to 96.70): VV018935.D (-311) (-)

Ion 61.00 (60.70 to 61.70): VV018935.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV018935.D (-311) (-)





#13

Acetone

Concen: 107.799 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

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ClientSampleId :

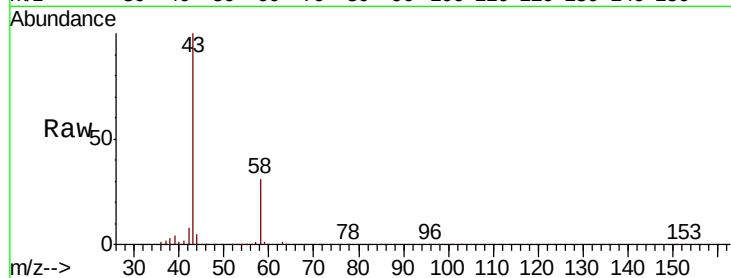
VSTD05094

Tot Ion: 43 Resp: 140474

Ion Ratio Lower Upper

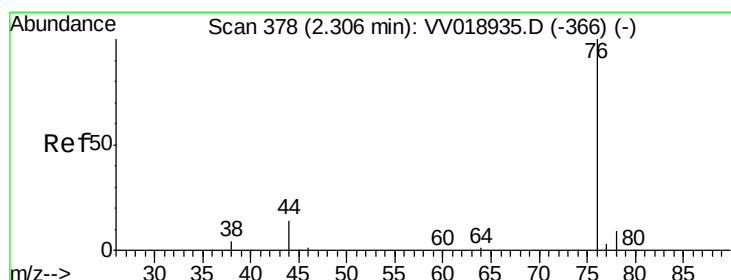
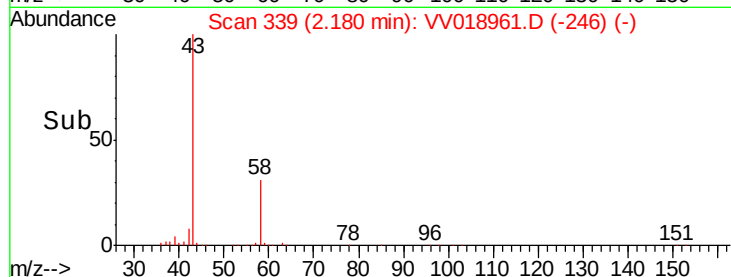
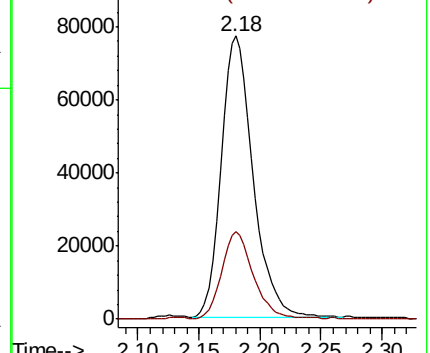
43 100

58 30.3 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 51.835 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV018961.D

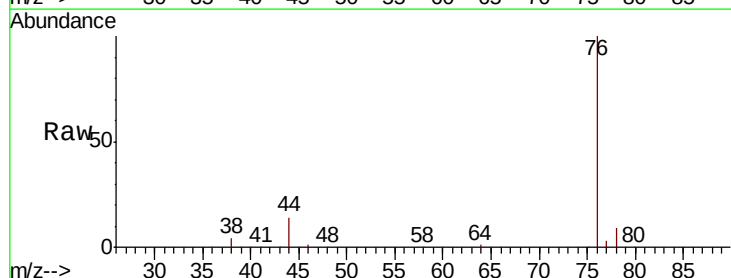
Acq: 19 Oct 2020 10:22

Tgt Ion: 76 Resp: 360839

Ion Ratio Lower Upper

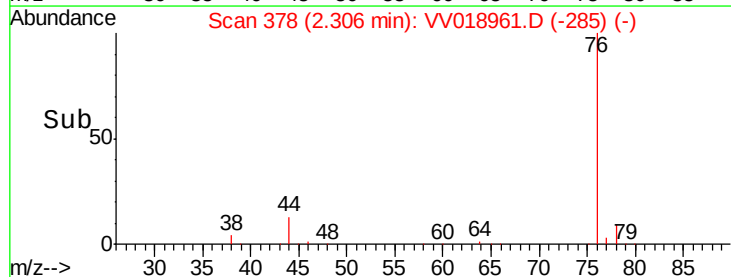
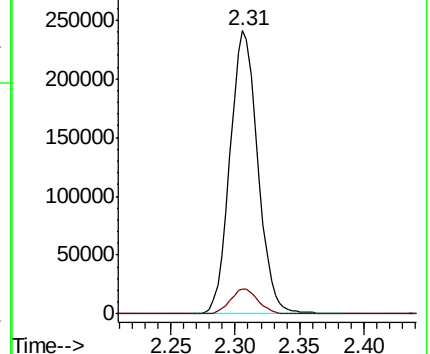
76 100

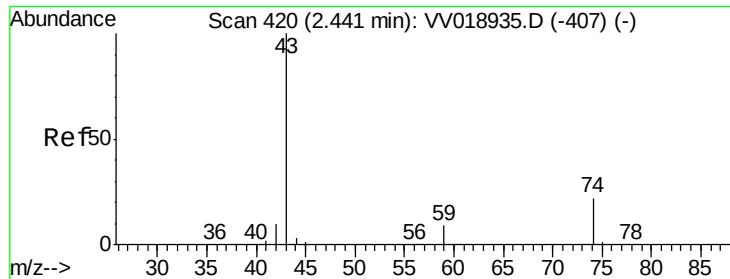
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

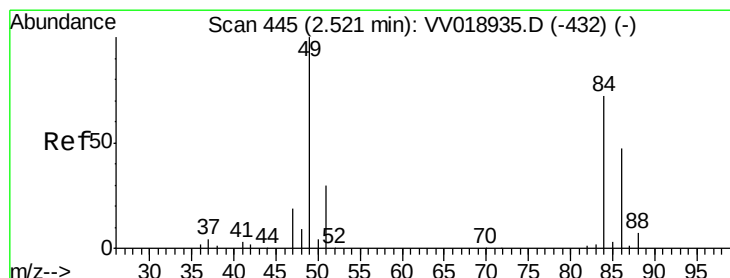
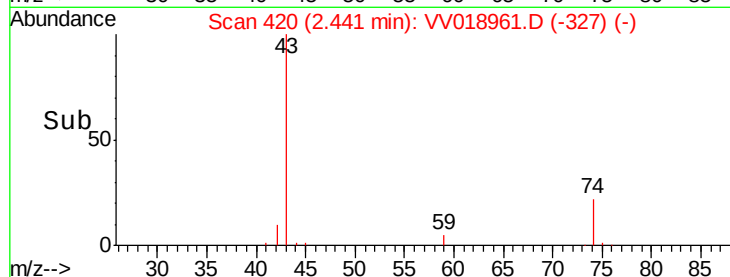
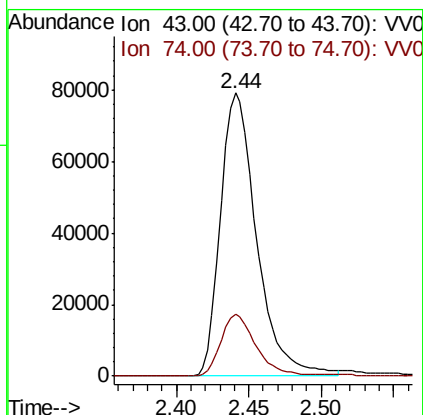
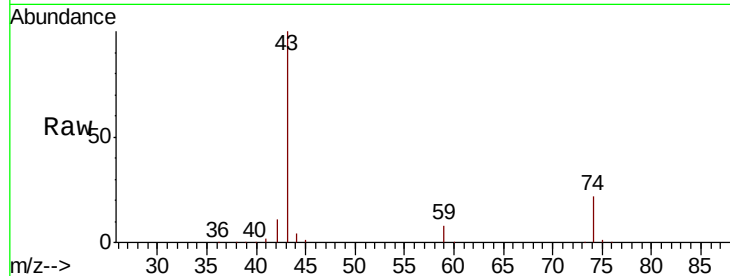




#15
Methvl Acetate
Concen: 50.733 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

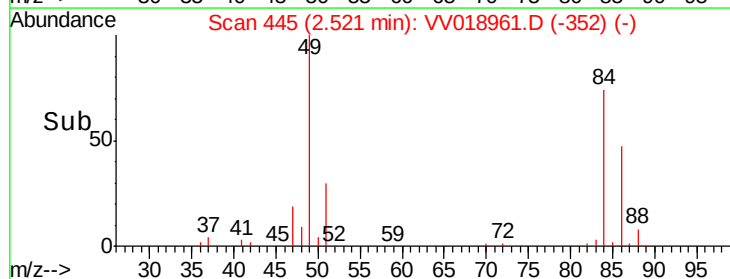
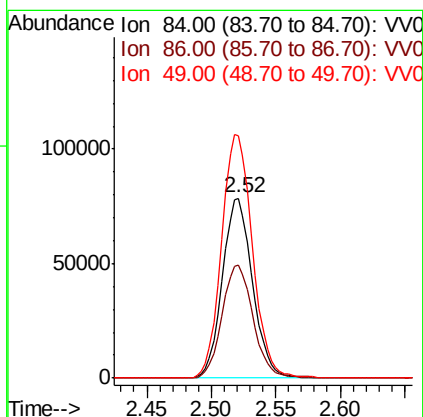
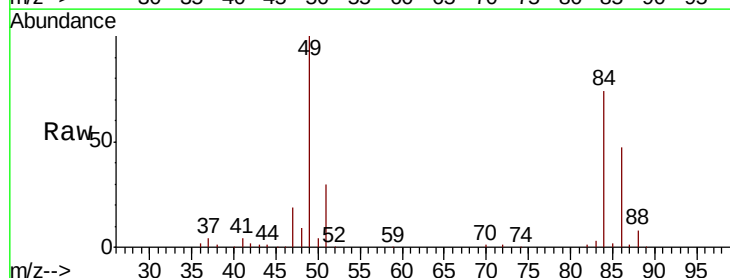
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

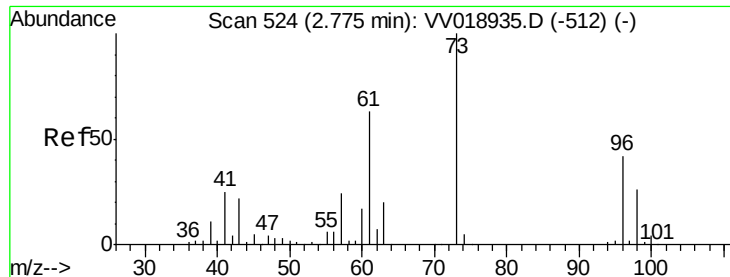
Tot Ion: 43 Resp: 135807
Ion Ratio Lower Upper
43 100
74 21.8 17.0 25.6



#16
Methylene chloride
Concen: 52.102 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

Tgt Ion: 84 Resp: 127717
Ion Ratio Lower Upper
84 100
86 62.9 46.6 86.6
49 134.6 96.1 178.5

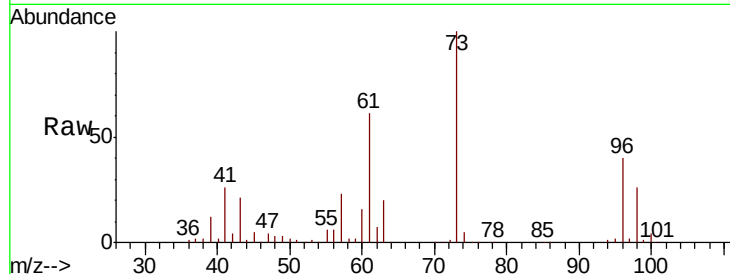




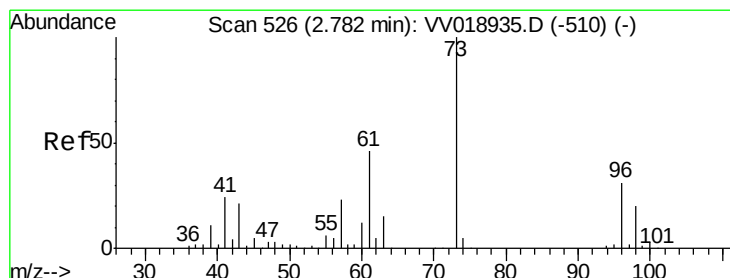
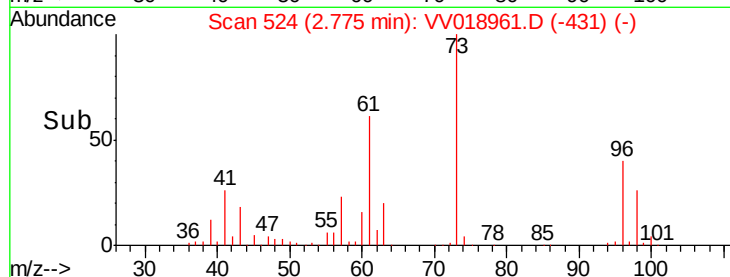
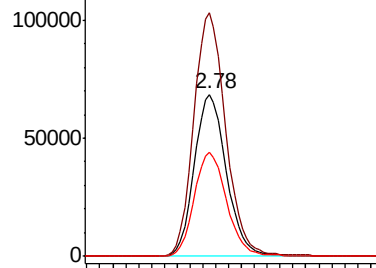
#17
trans-1,2-Dichloroethene
Concen: 52.262 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

Instrument :
MSVOA_V
ClientSampled :
VSTD05094

Tot Ion: 96 Resp: 118541
Ion Ratio Lower Upper
96 100
61 150.0 102.8 190.8
98 64.0 44.0 81.6

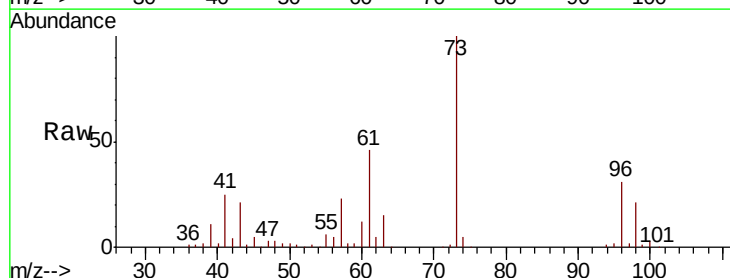


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

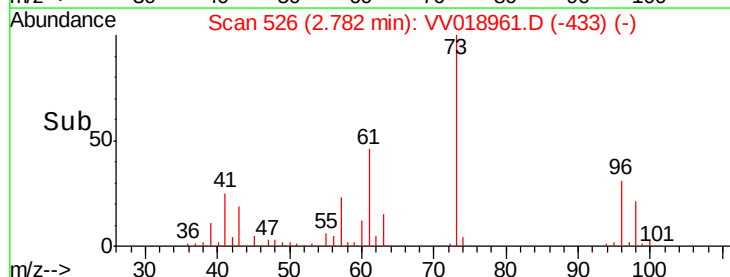
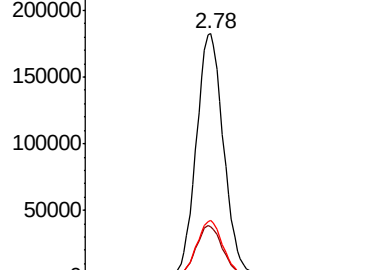


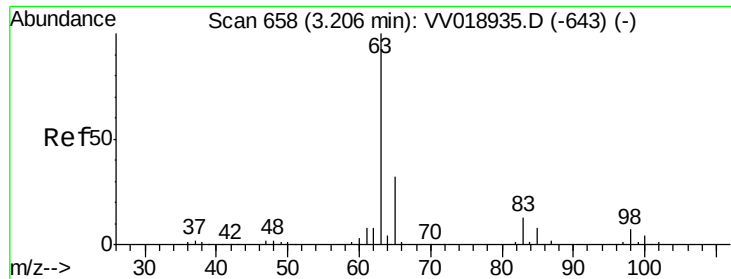
#18
Methyl tert-butyl Ether
Concen: 52.432 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

Tgt Ion: 73 Resp: 375750
Ion Ratio Lower Upper
73 100
43 20.9 16.9 25.3
57 22.9 18.3 27.5



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

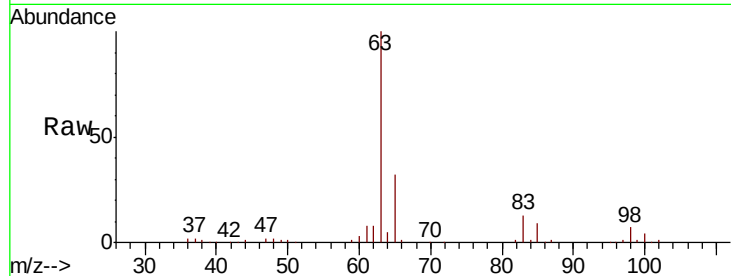




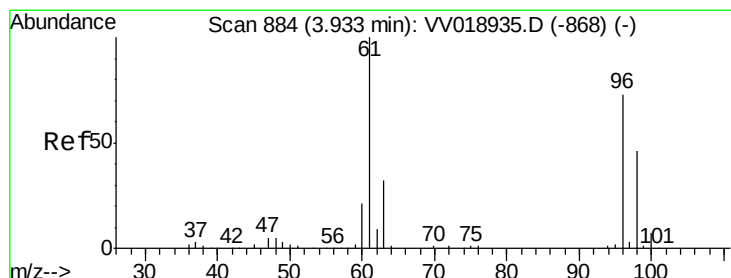
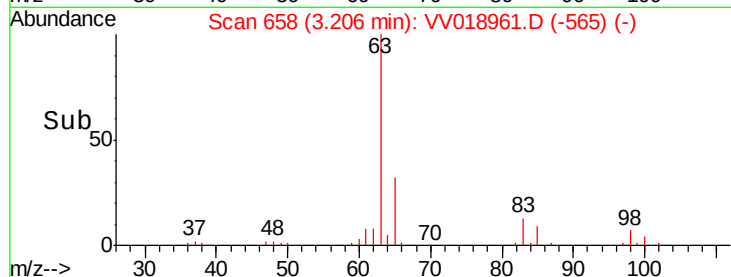
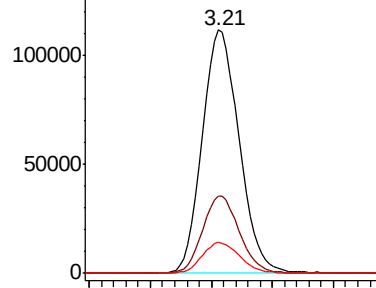
#19
 1,1-Dichloroethane
 Concen: 53.244 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05094

Tot Ion: 63 Resp: 234951
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.5 41.9
 83 12.6 9.3 17.3

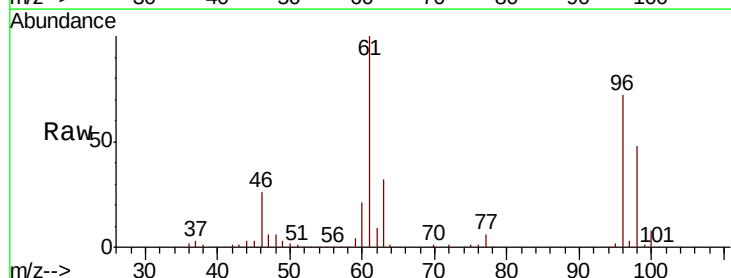


Abundance Ion 63.00 (62.70 to 63.70): VV0
 150000 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

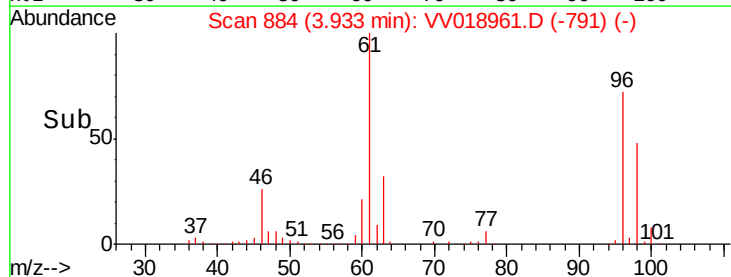
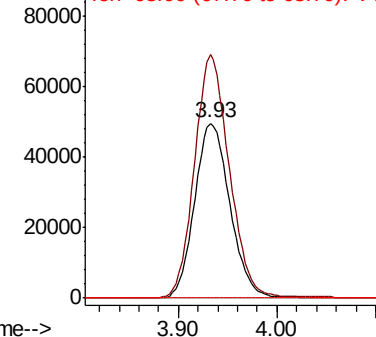


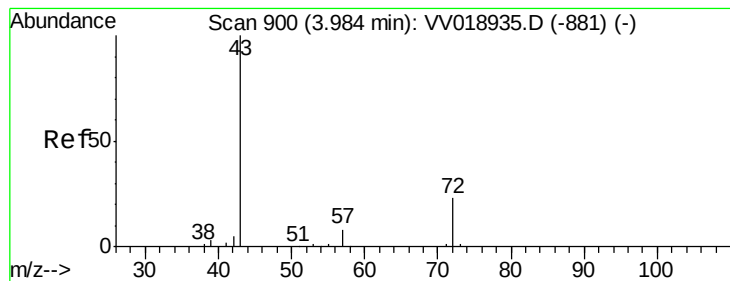
#20
 cis-1,2-Dichloroethene
 Concen: 51.636 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

Tgt Ion: 96 Resp: 124134
 Ion Ratio Lower Upper
 96 100
 61 139.2 96.1 178.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 80000 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 104.393 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

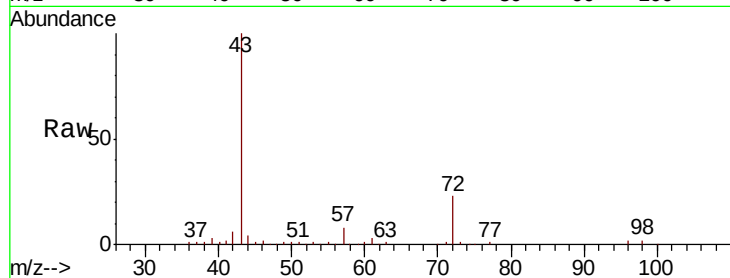
VSTD05094

Tot Ion: 43 Resp: 184962

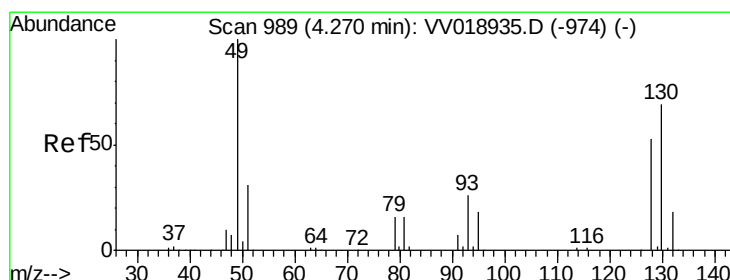
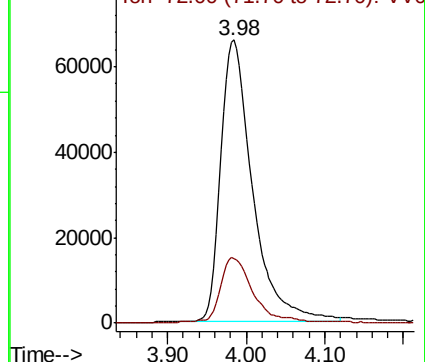
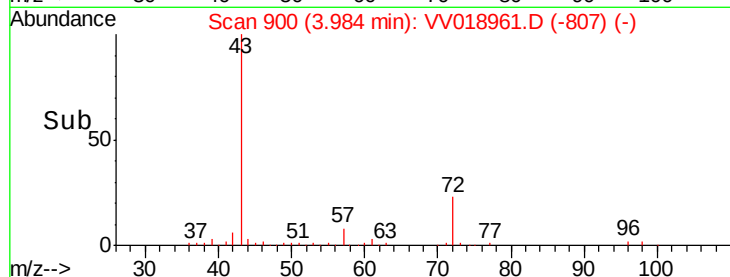
Ion Ratio Lower Upper

43 100

72 24.5 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018961.D (-807) (-)



#23

Bromochloromethane

Concen: 50.355 ug/L

RT: 4.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Tgt Ion:128 Resp: 62518

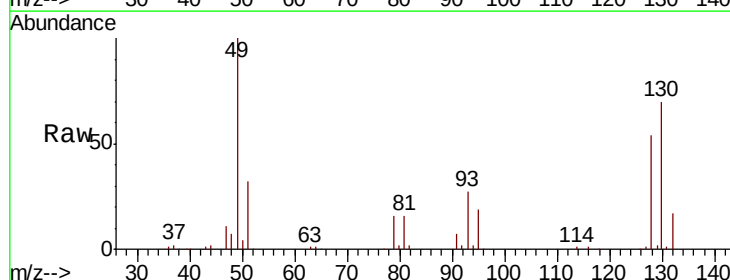
Ion Ratio Lower Upper

128 100

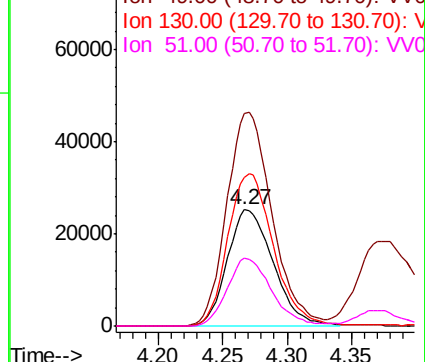
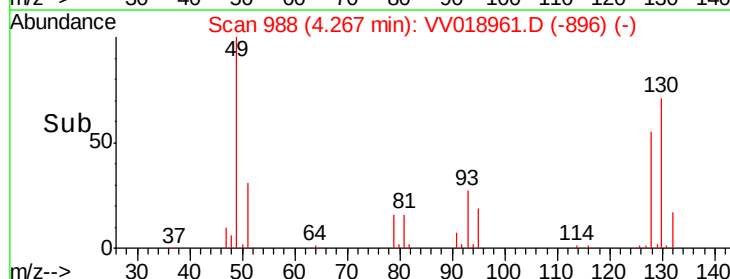
49 183.6 131.7 244.7

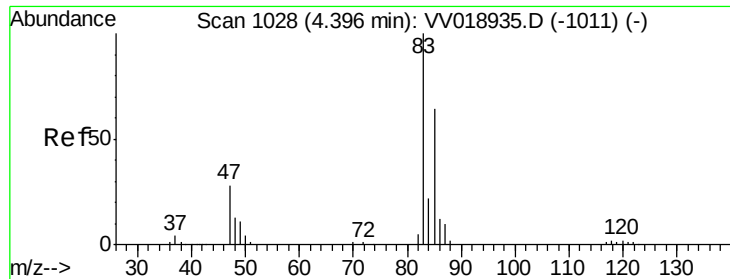
130 128.2 92.8 172.4

51 58.3 47.8 71.6



Abundance Ion 128.00 (127.70 to 128.70): VV018961.D (-896) (-)

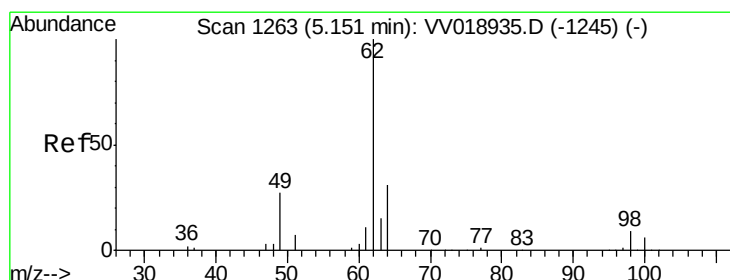
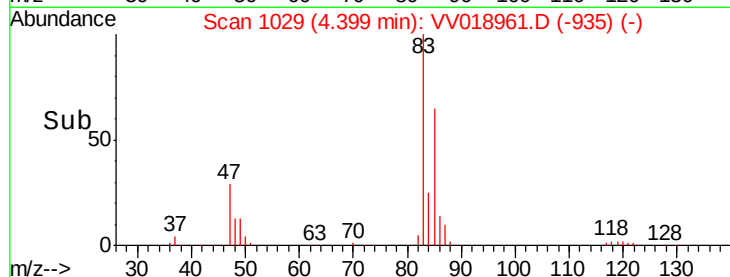
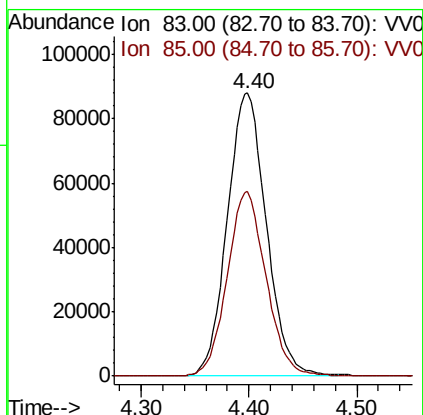
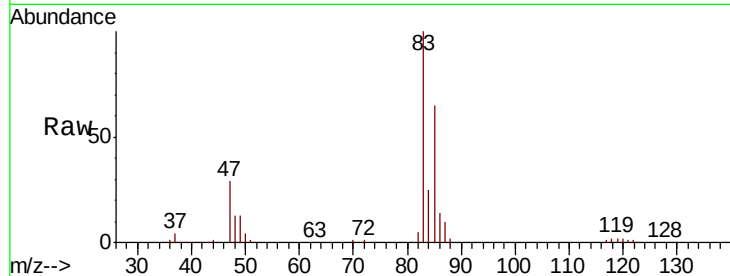




#25
Chloroform
Concen: 49.954 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

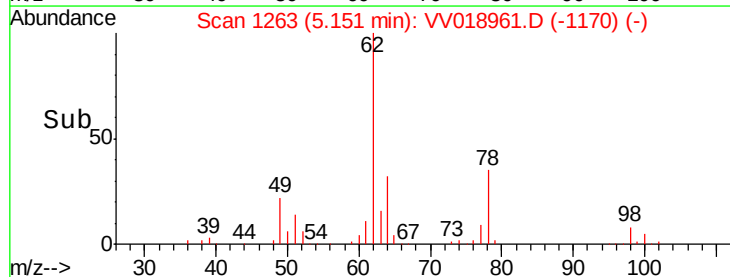
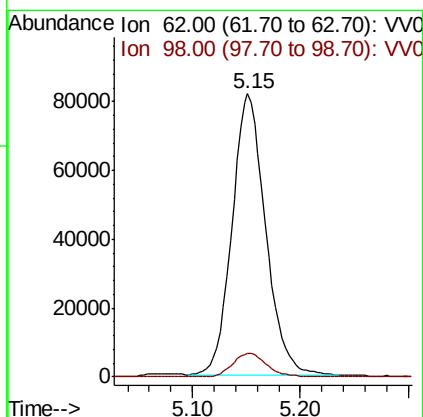
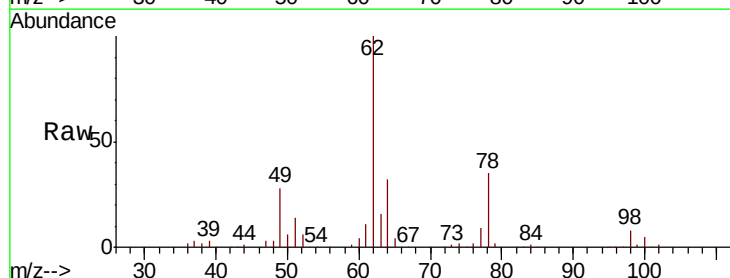
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

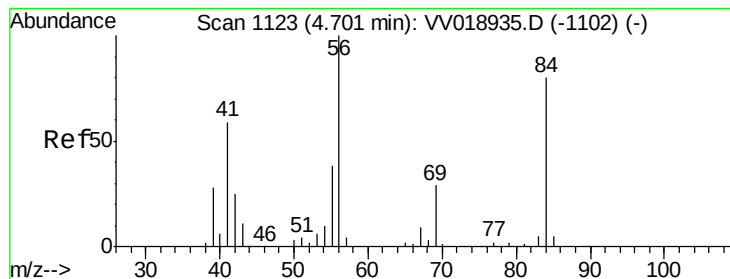
Tot Ion: 83 Resp: 221659
Ion Ratio Lower Upper
83 100
85 65.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 48.902 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

Tgt Ion: 62 Resp: 177261
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.6





#29

Cyclohexane

Concen: 48.873 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

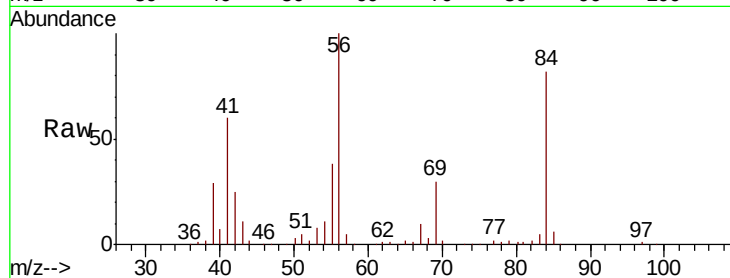
Tot Ion: 56 Resp: 180426

Ion Ratio Lower Upper

56 100

69 29.5 23.5 35.3

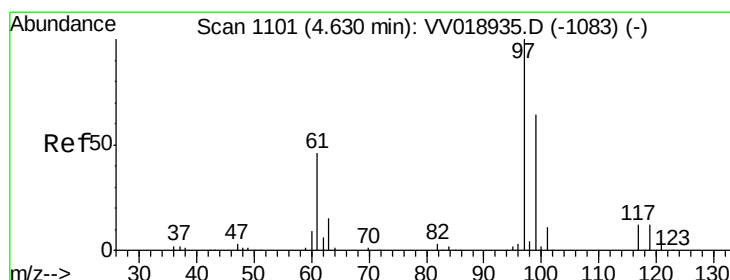
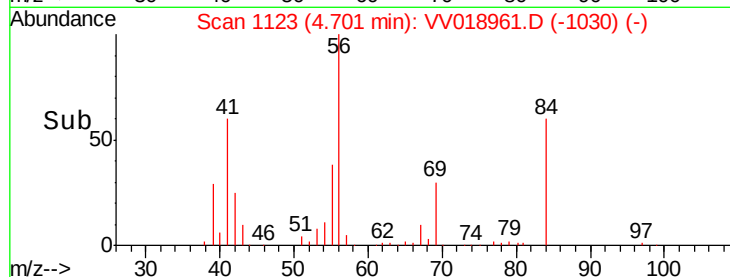
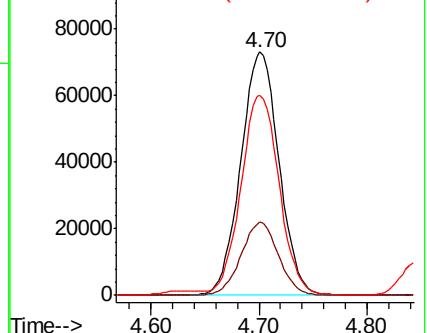
84 82.7 64.7 97.1



Abundance Ion 56.00 (55.70 to 56.70): VV018935.D (-1102) (-)

Ion 69.00 (68.70 to 69.70): VV018935.D (-1102) (-)

Ion 84.00 (83.70 to 84.70): VV018935.D (-1102) (-)



#30

1,1,1-Trichloroethane

Concen: 50.173 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

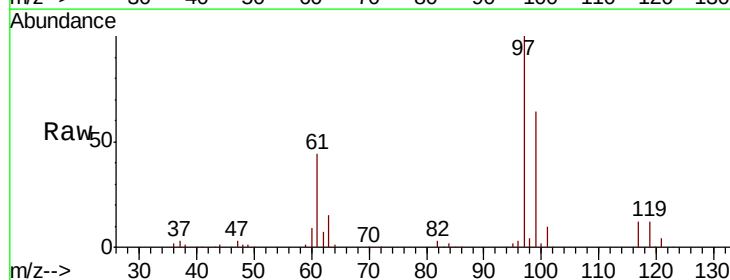
Tgt Ion: 97 Resp: 193396

Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

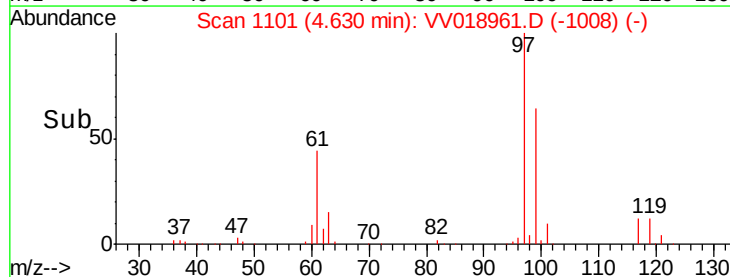
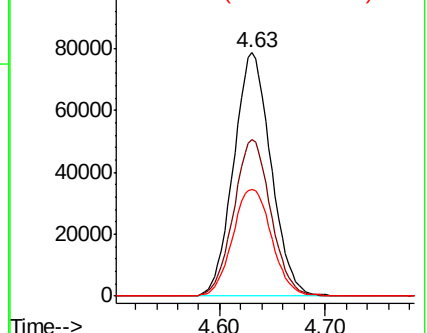
61 45.9 37.5 56.3

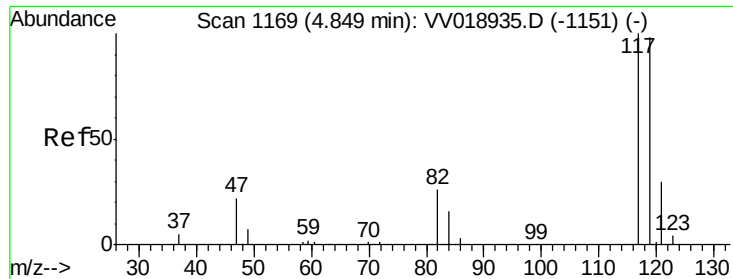


Abundance Ion 97.00 (96.70 to 97.70): VV018935.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV018935.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV018935.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 51.707 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

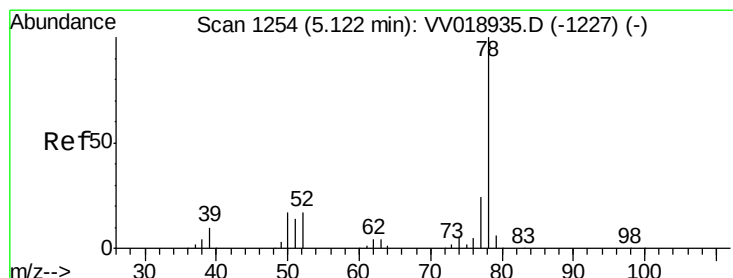
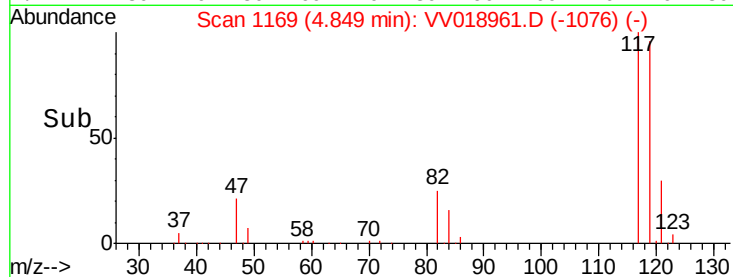
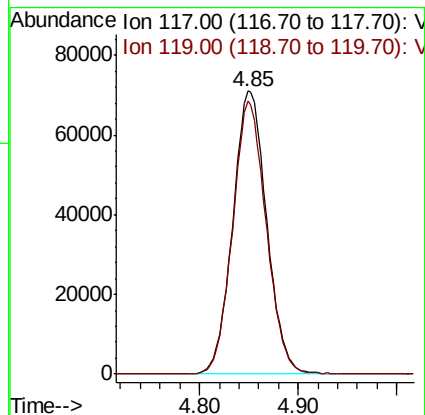
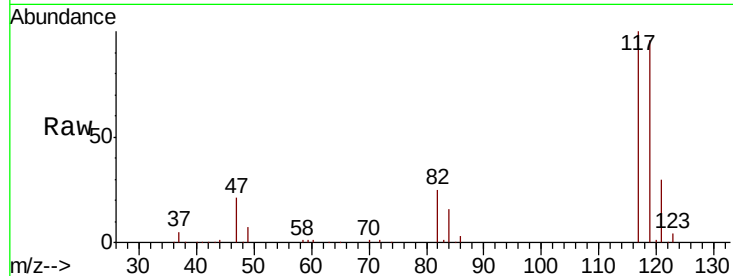
VSTD05094

Tot Ion:117 Resp: 169635

Ion Ratio Lower Upper

117 100

119 95.2 76.9 115.3



#33

Benzene

Concen: 48.379 ug/L

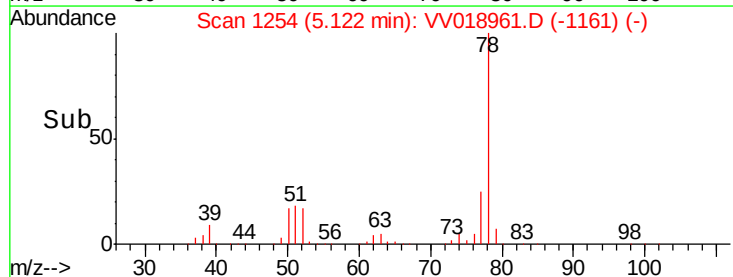
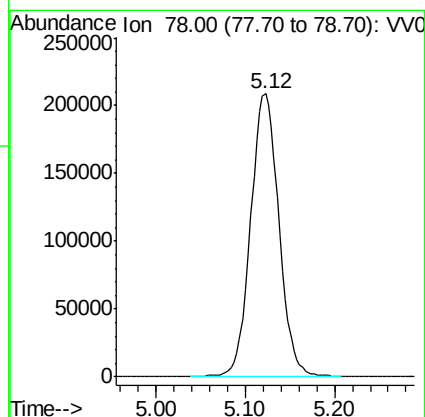
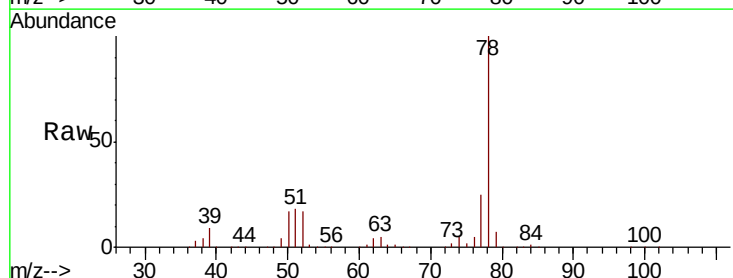
RT: 5.12 min Scan# 1254

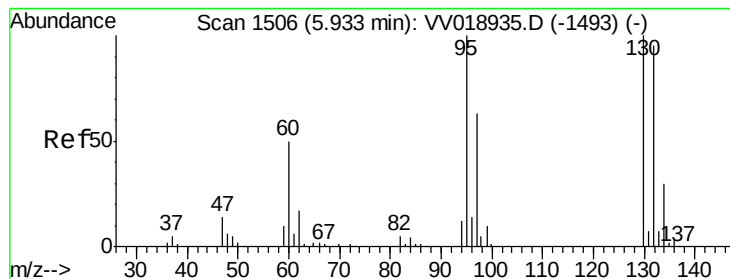
Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Tgt Ion: 78 Resp: 460688





#34

Trichloroethene

Concen: 47.248 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

Tot Ion: 95 Resp: 129747

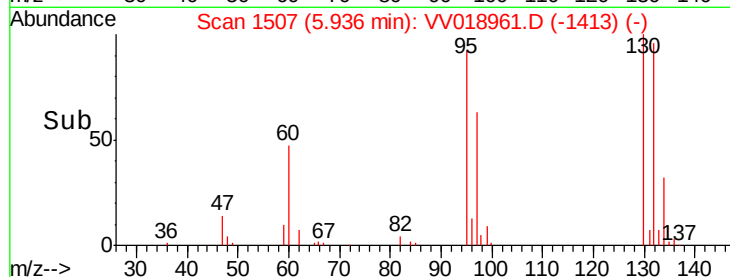
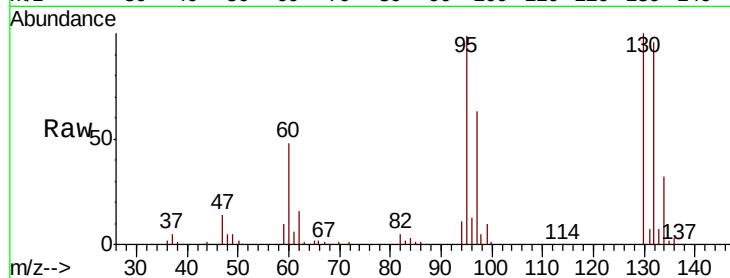
Ion Ratio Lower Upper

95 100

97 64.0 44.7 82.9

132 97.3 67.0 124.4

130 100.9 70.8 131.6



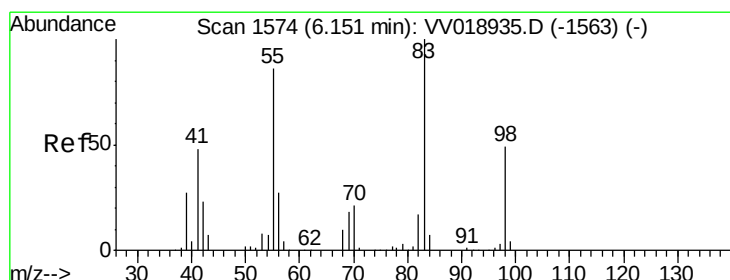
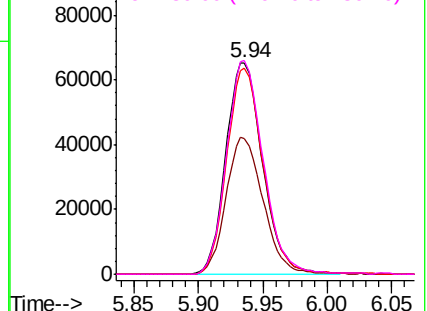
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 49.645 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

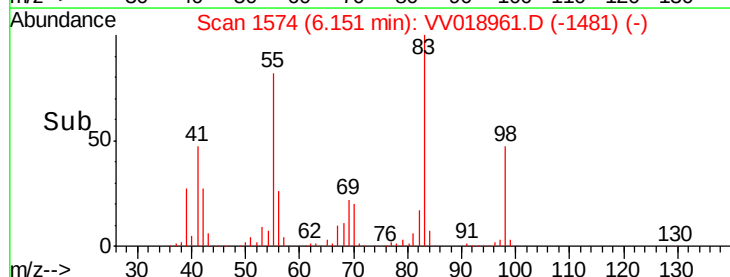
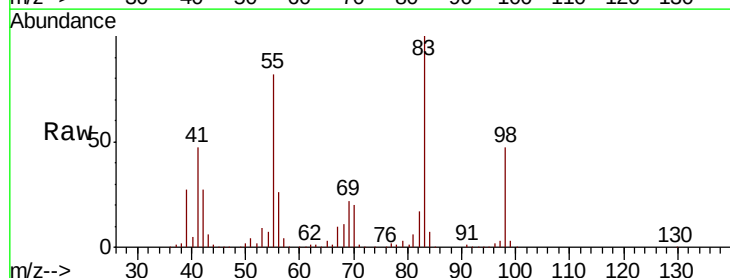
Tgt Ion: 83 Resp: 165109

Ion Ratio Lower Upper

83 100

55 82.3 67.3 100.9

98 47.0 37.9 56.9

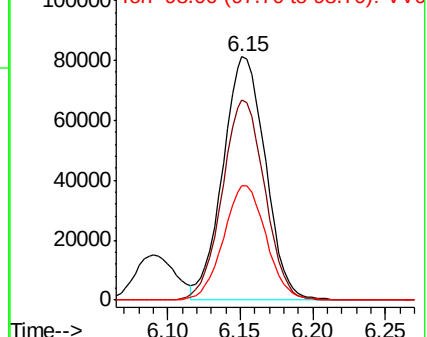


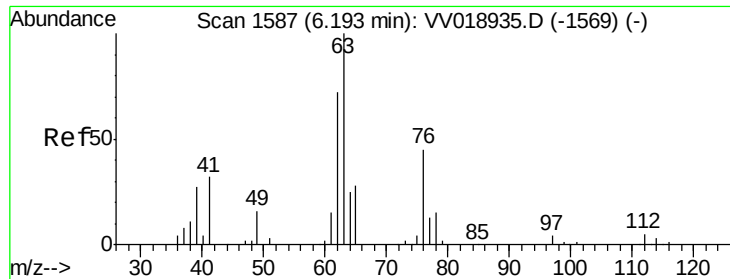
Abundance

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

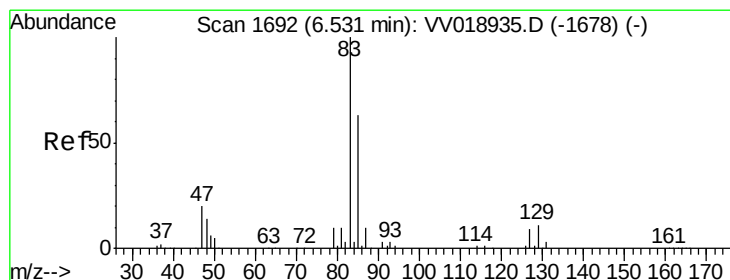
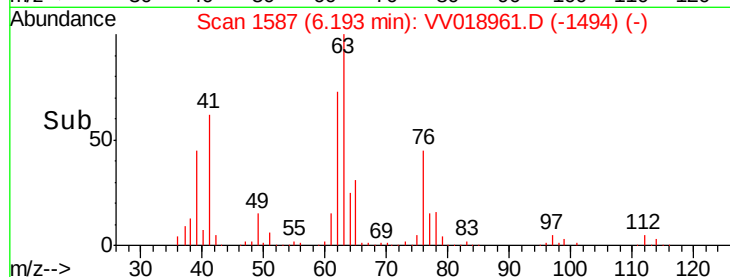
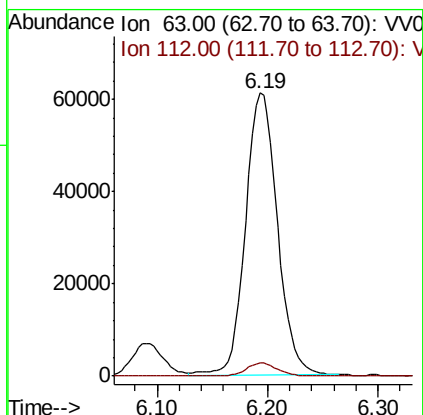
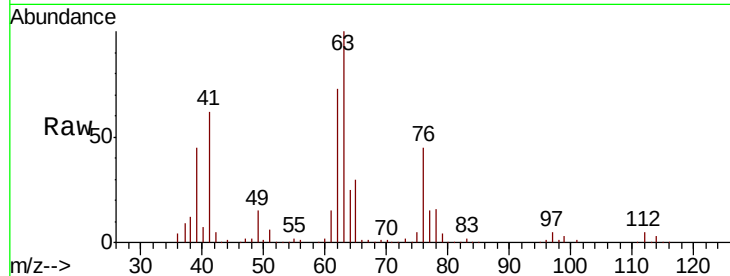




#37
 1,2-Dichloropropane
 Concen: 48.129 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

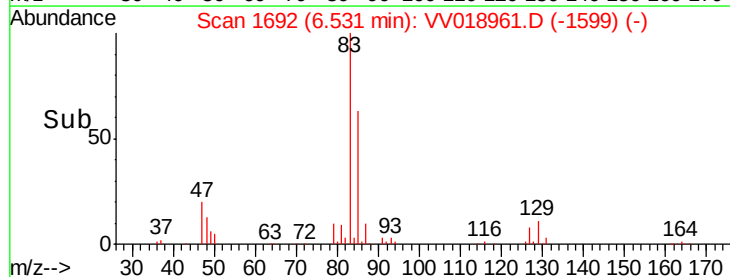
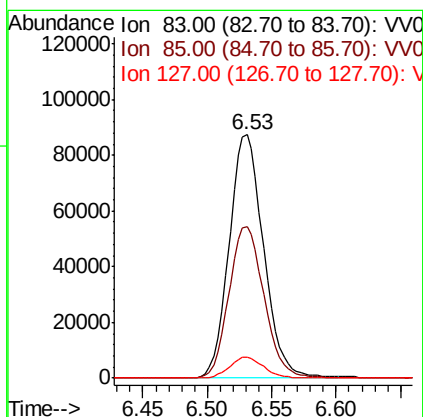
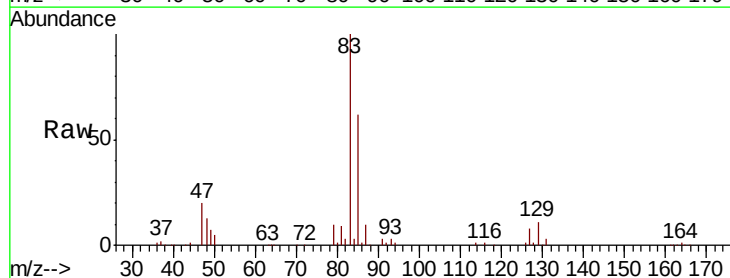
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

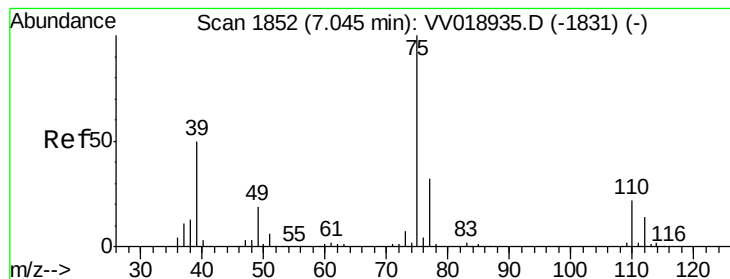
Tot Ion: 63 Resp: 122691
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.3 4.9



#38
 Bromodichloromethane
 Concen: 49.625 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

Tgt Ion: 83 Resp: 162188
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.7 83.1
 127 8.4 6.6 9.8



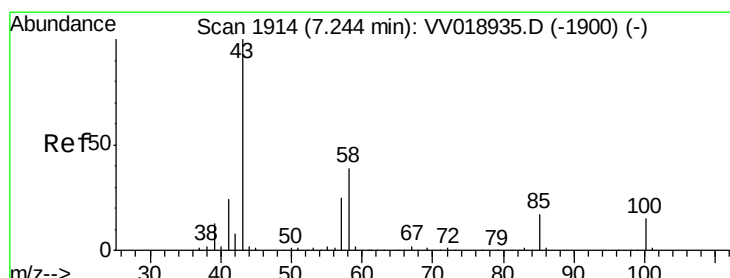
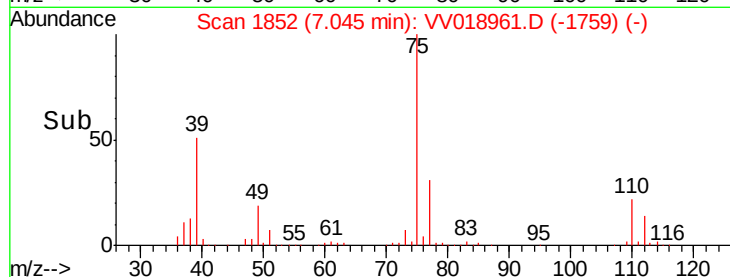
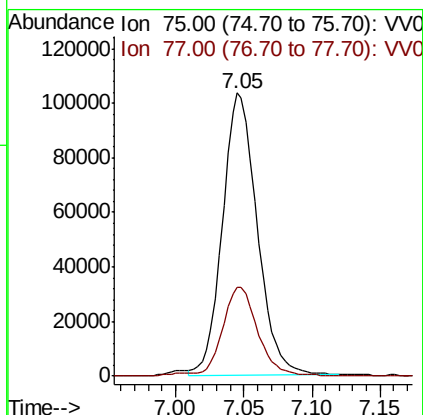
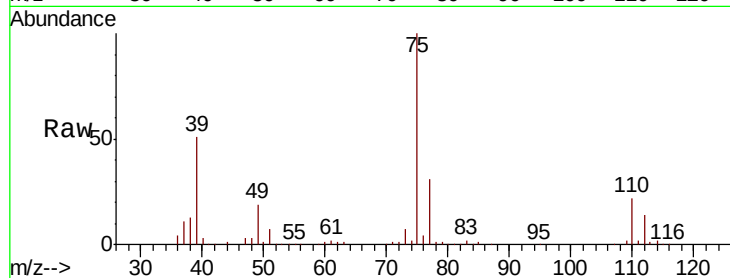


#39

cis-1,3-Dichloropropene
Concen: 47.613 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

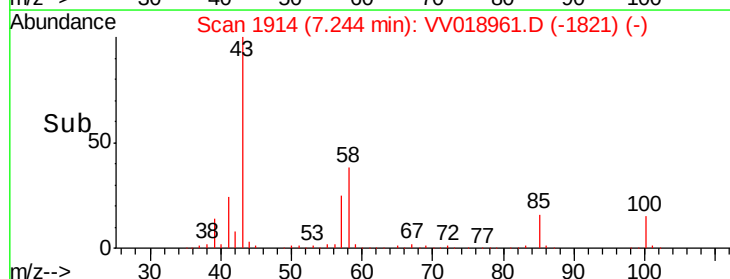
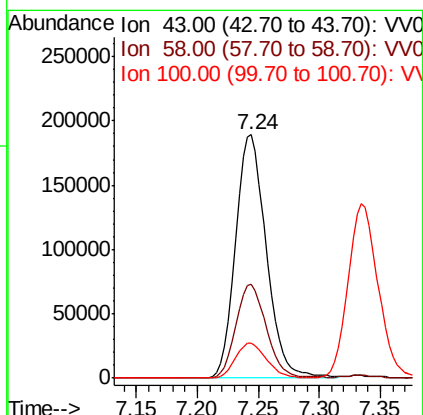
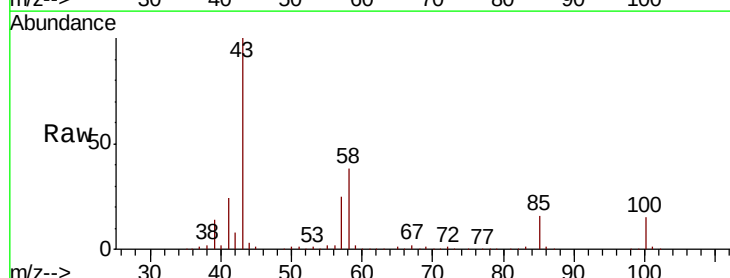
Tot Ion: 75 Resp: 182378
Ion Ratio Lower Upper
75 100
77 31.5 22.5 41.9

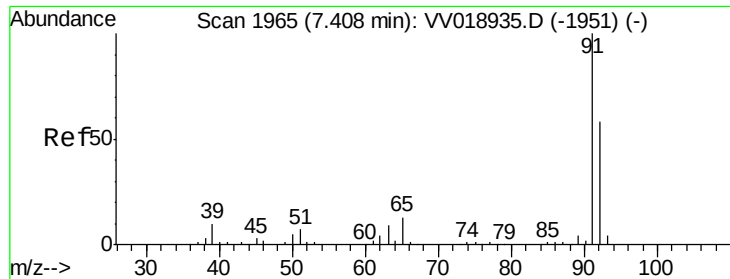


#40

4-Methyl-2-pentanone
Concen: 94.110 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

Tgt Ion: 43 Resp: 330840
Ion Ratio Lower Upper
43 100
58 38.3 30.5 45.7
100 14.5 11.1 16.7





#42

Toluene

Concen: 50.358 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

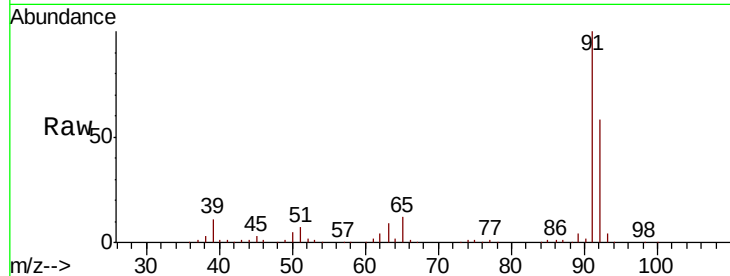
VSTD05094

Tot Ion: 91 Resp: 495286

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV018935.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018935.D (-1951) (-)

7.41

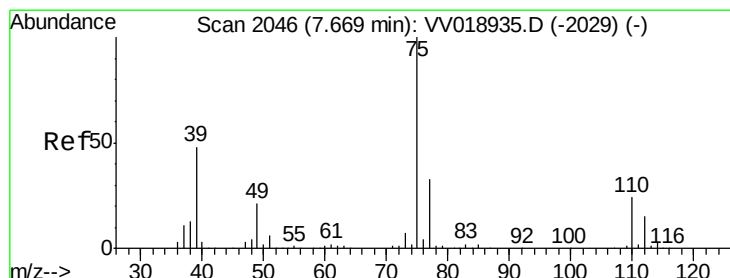
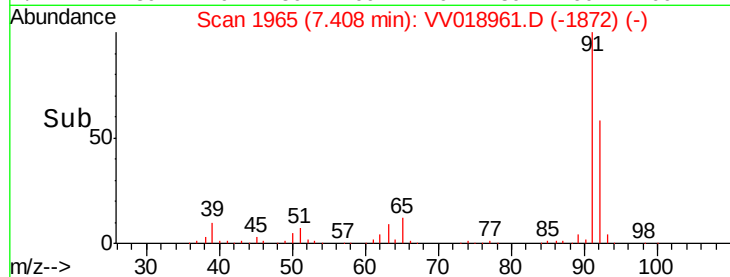
300000

200000

100000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 51.080 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018961.D

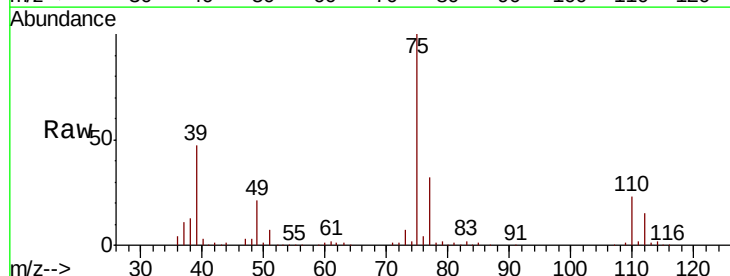
Acq: 19 Oct 2020 10:22

Tgt Ion: 75 Resp: 189607

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV018935.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018935.D (-2029) (-)

7.67

120000

100000

80000

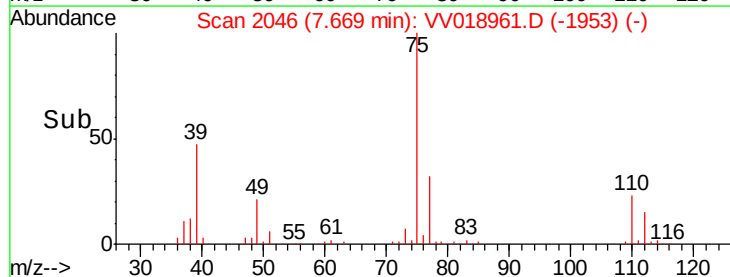
60000

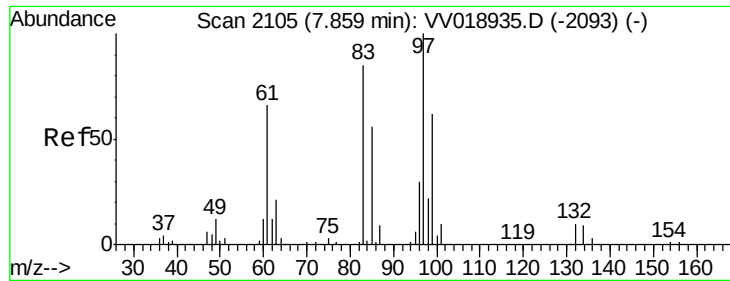
40000

20000

0

Time--> 7.60 7.70 7.80

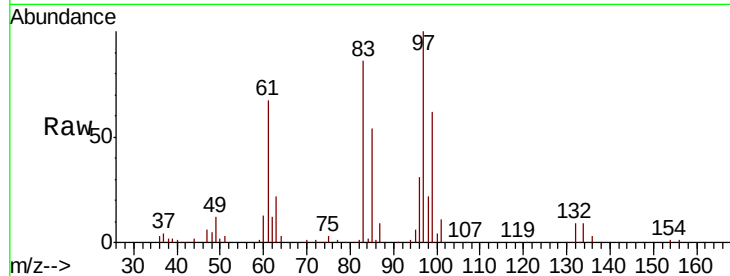




#45
 1,1,2-Trichloroethane
 Concen: 47.603 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Tot Ion:	97	Resp:	112877
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.8	81.4
83	85.9	61.0	113.4
85	54.2	38.9	72.2



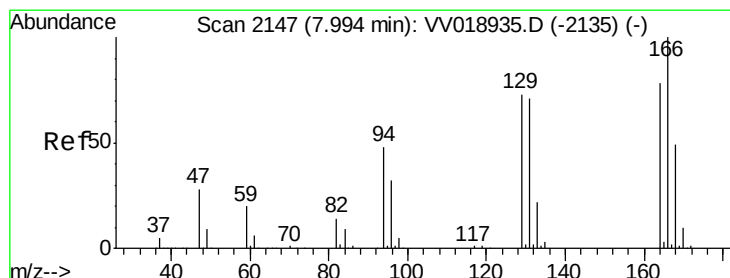
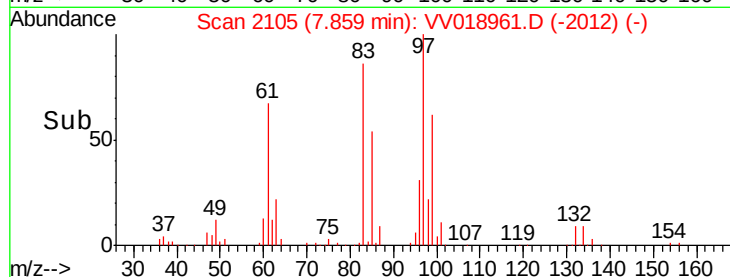
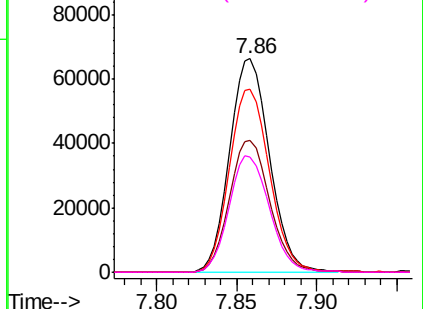
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

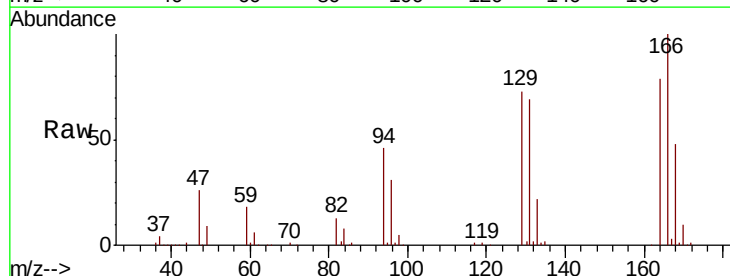
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 49.712 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

Tgt Ion:	164	Resp:	96207
Ion	Ratio	Lower	Upper
164	100		
129	92.4	65.0	120.8
131	87.9	62.9	116.7
166	126.9	91.1	169.3



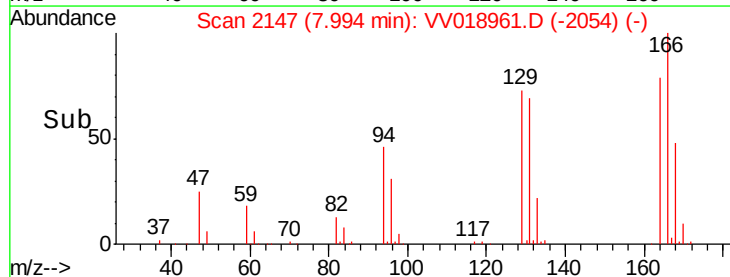
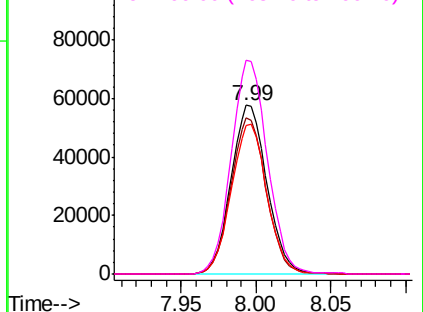
Abundance

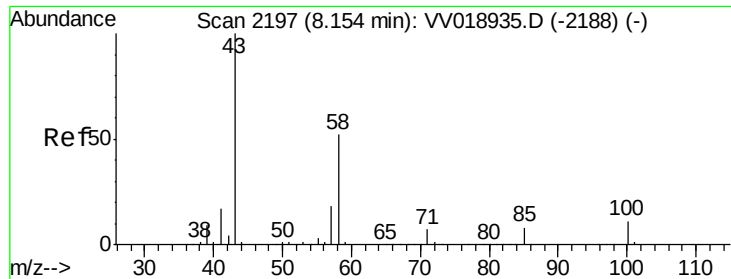
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

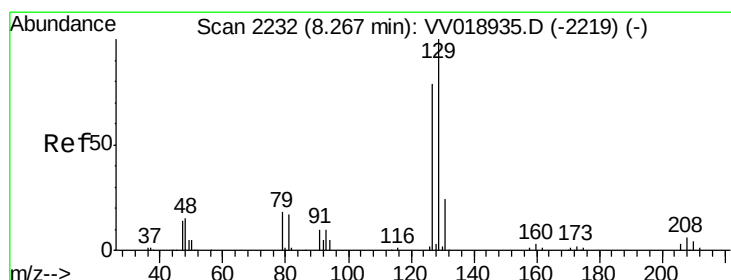
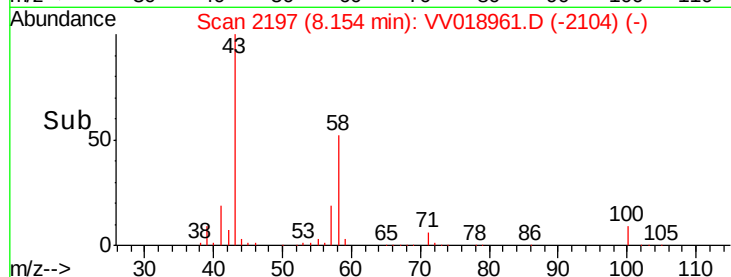
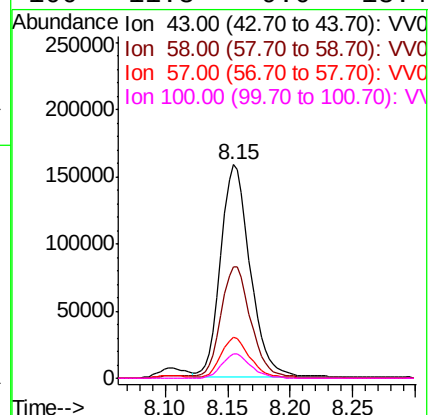
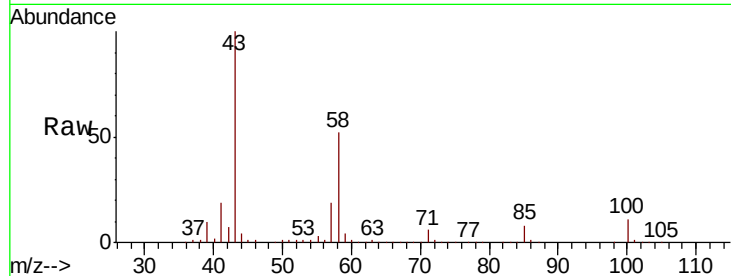




#48
2-Hexanone
Concen: 93.071 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

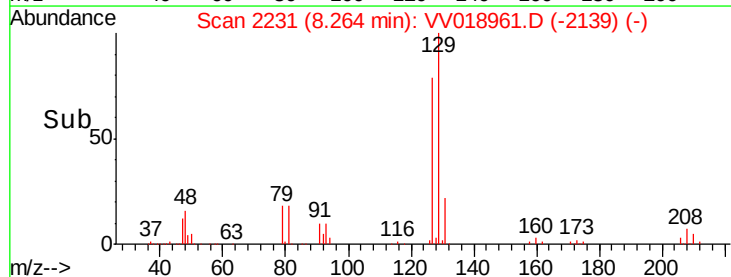
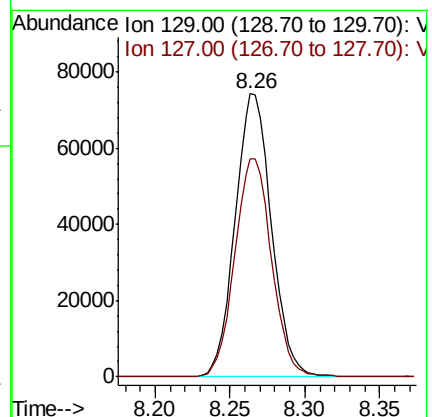
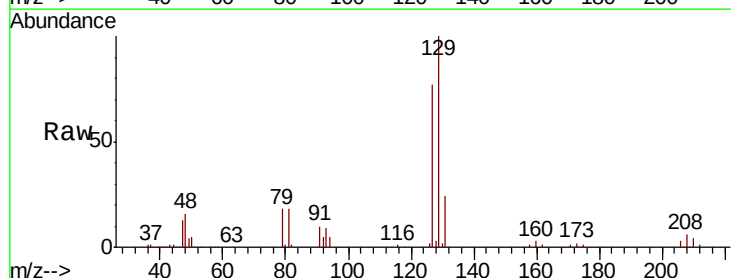
Instrument :
MSVOA_V
ClientSampled :
VSTD05094

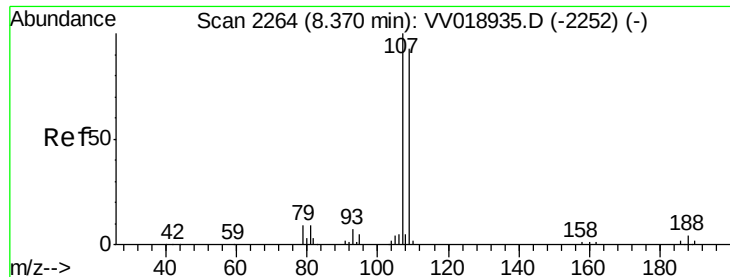
Tot Ion: 43 Resp: 259421
Ion Ratio Lower Upper
43 100
58 53.4 42.5 63.7
57 18.6 14.5 21.7
100 11.3 9.0 13.4



#49
Dibromochloromethane
Concen: 50.104 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

Tgt Ion: 129 Resp: 125781
Ion Ratio Lower Upper
129 100
127 77.2 55.2 102.6

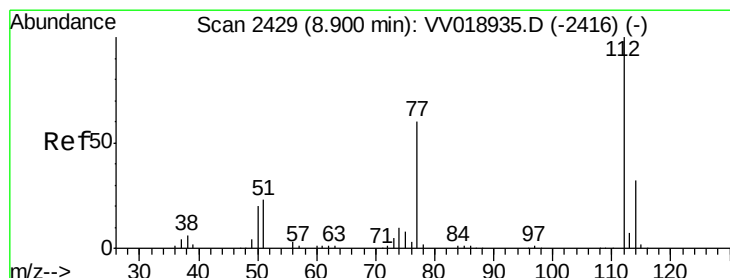
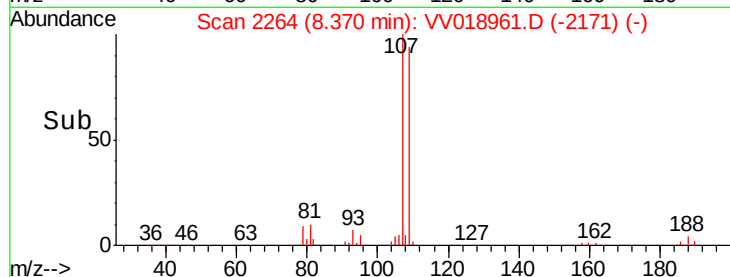
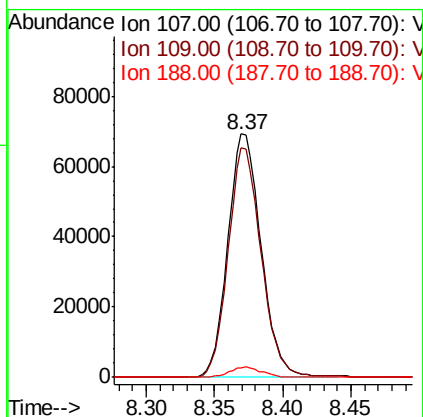
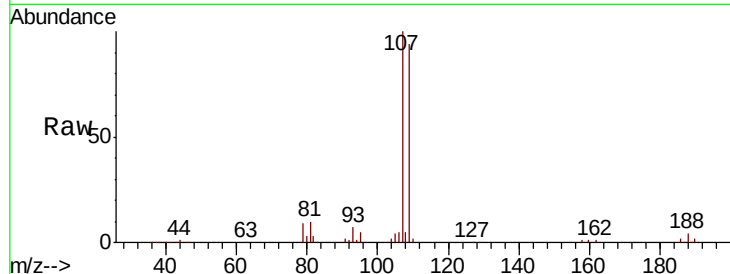




#50
 1,2-Dibromoethane
 Concen: 47.545 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

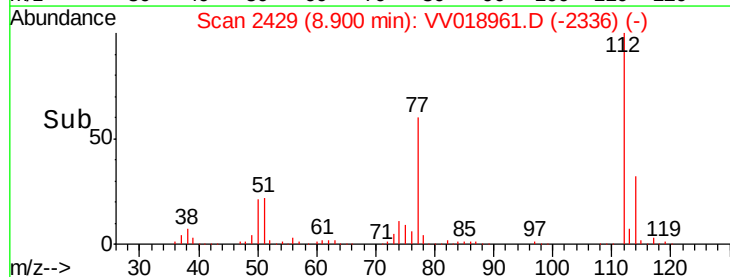
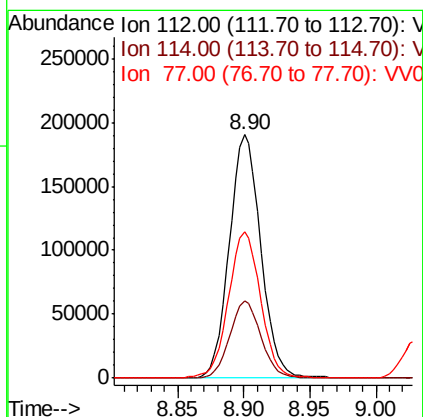
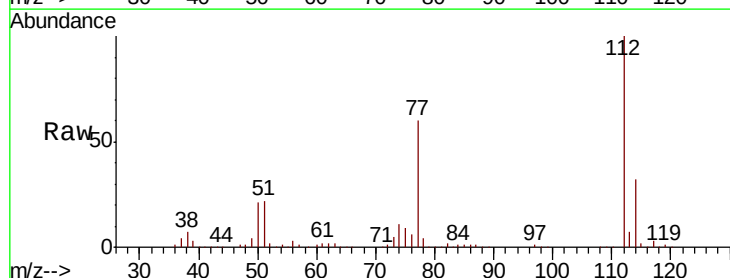
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

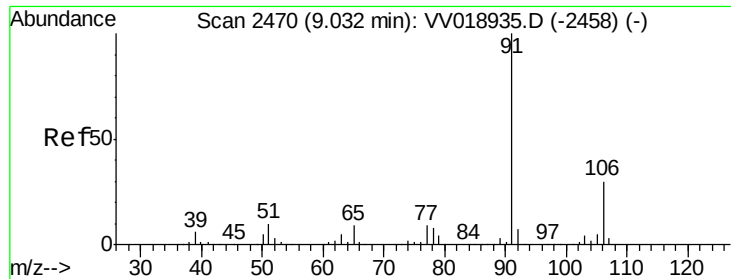
Tot Ion:107 Resp: 117492
 Ion Ratio Lower Upper
 107 100
 109 94.3 65.8 122.2
 188 4.1 3.2 4.8



#51
 Chlorobenzene
 Concen: 49.025 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

Tgt Ion:112 Resp: 314351
 Ion Ratio Lower Upper
 112 100
 114 31.6 21.8 40.6
 77 60.1 49.2 73.8





#52

Ethylbenzene

Concen: 50.425 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

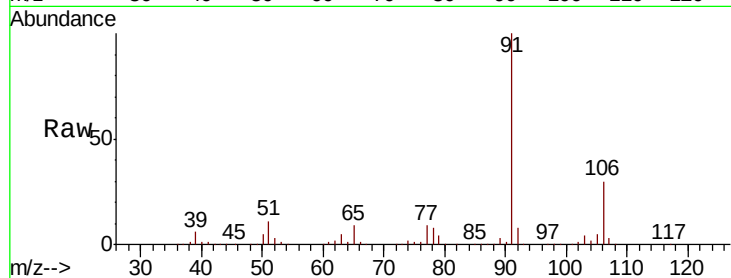
VSTD05094

Tot Ion: 91 Resp: 536868

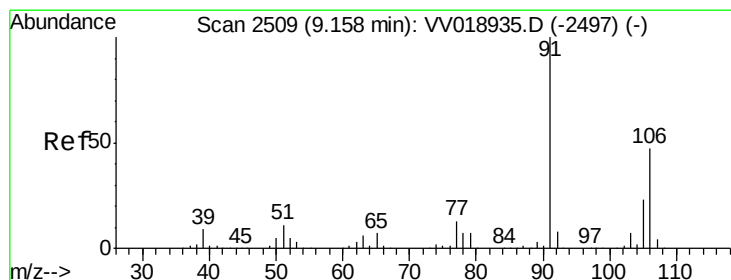
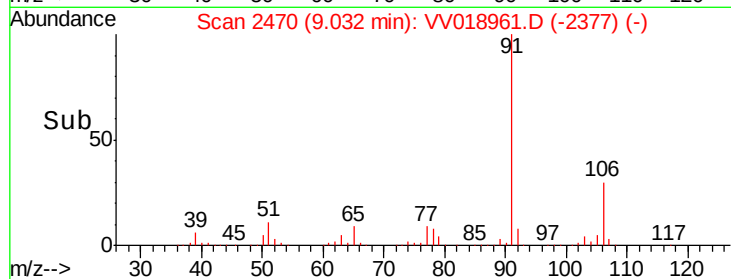
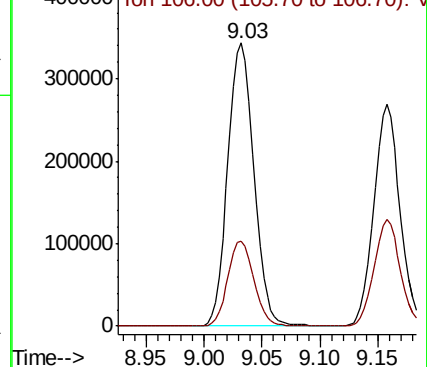
Ion Ratio Lower Upper

91 100

106 30.1 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018961.D (-2377) (-)



#53

m,p-Xylene

Concen: 51.384 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018961.D

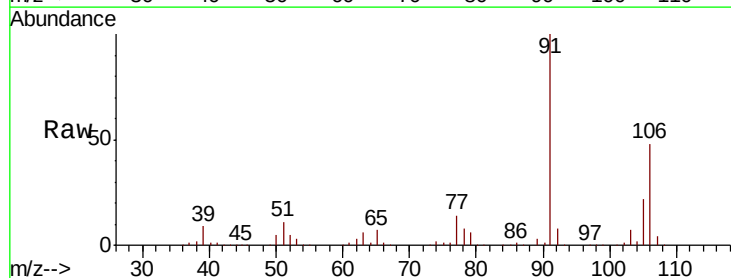
Acq: 19 Oct 2020 10:22

Tgt Ion: 106 Resp: 203815

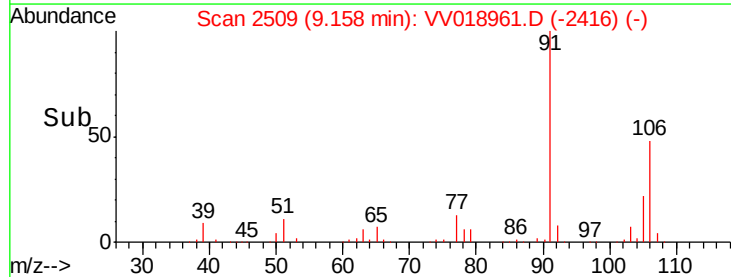
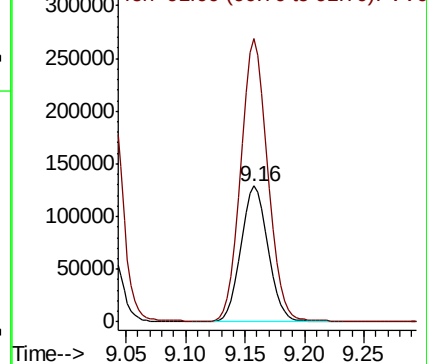
Ion Ratio Lower Upper

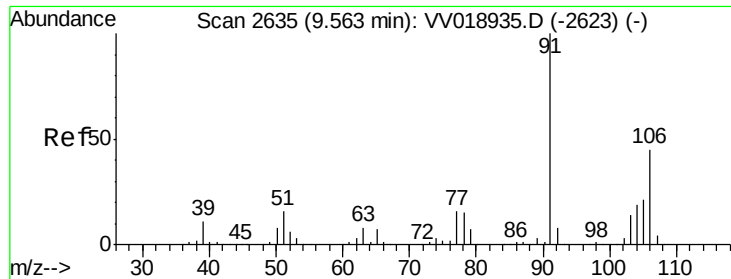
106 100

91 208.1 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VV018961.D (-2416) (-)

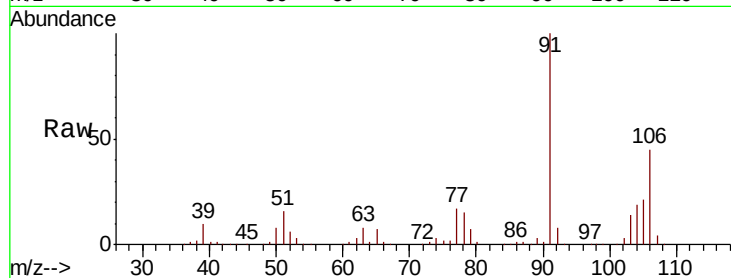




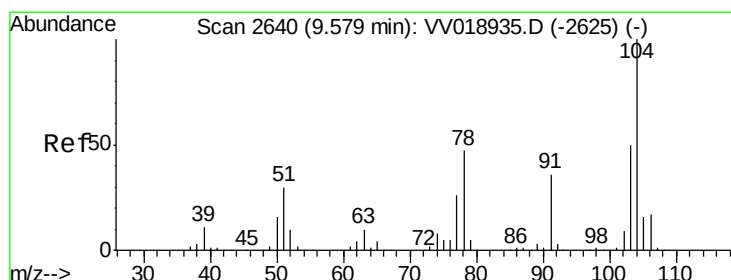
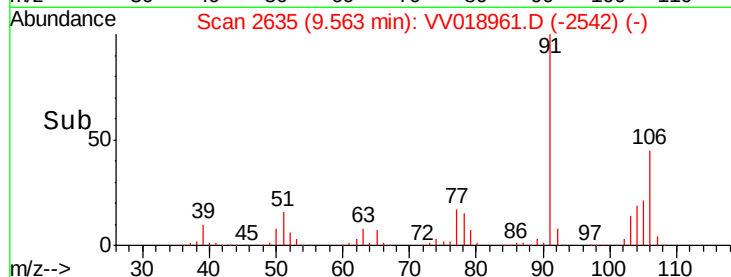
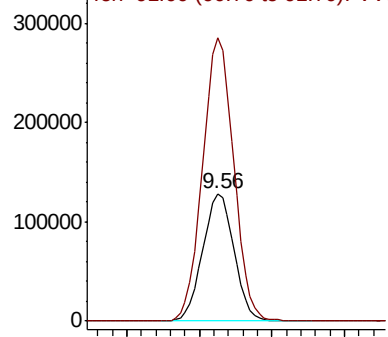
#54
o-xylene
Concen: 50.758 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion:106 Resp: 192618
Ion Ratio Lower Upper
106 100
91 222.1 155.8 289.4

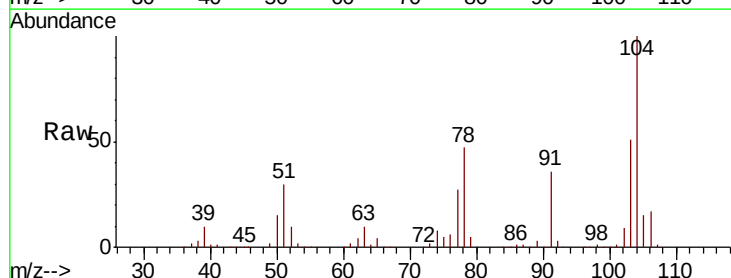


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

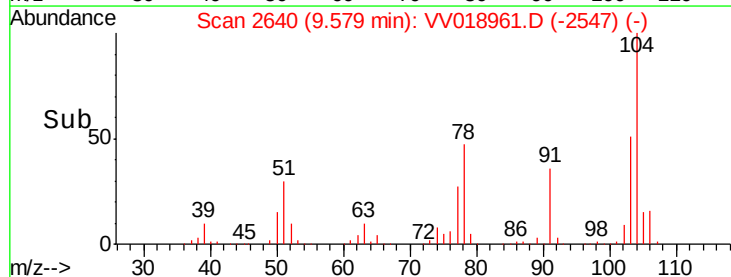
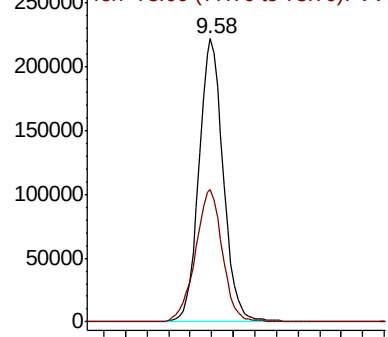


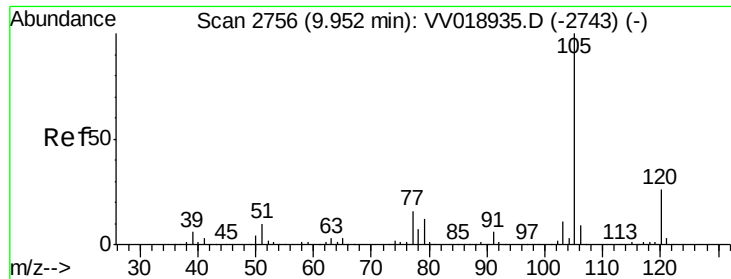
#55
Styrene
Concen: 52.324 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018961.D
Acq: 19 Oct 2020 10:22

Tgt Ion:104 Resp: 349250
Ion Ratio Lower Upper
104 100
78 46.7 33.2 61.6



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





#56

Isopropylbenzene

Concen: 51.751 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

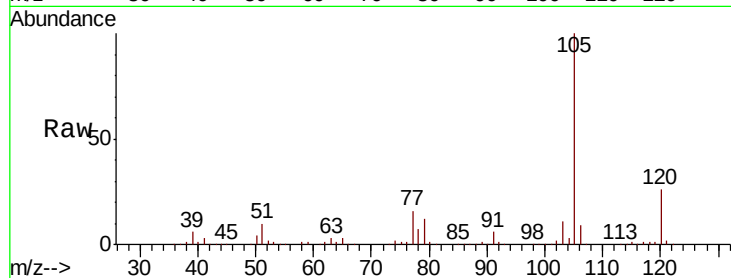
Tot Ion:105 Resp: 515562

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

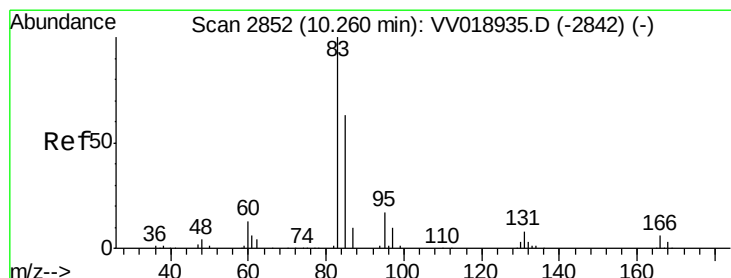
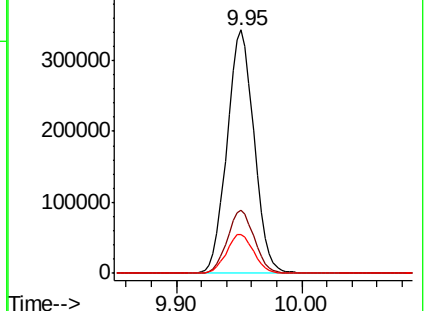
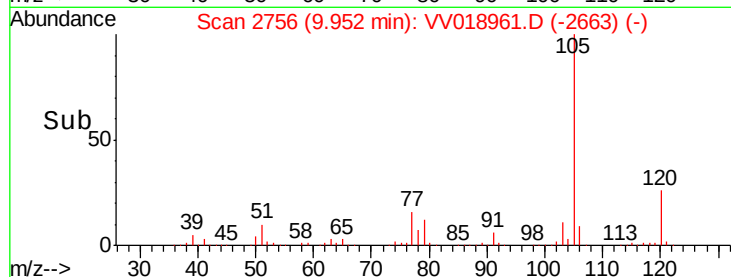
77 16.2 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.420 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

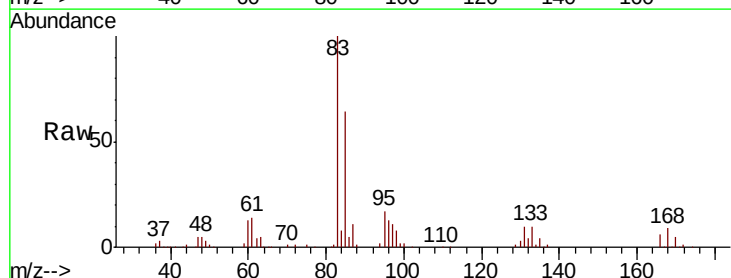
Tgt Ion: 83 Resp: 149459

Ion Ratio Lower Upper

83 100

85 64.4 44.7 82.9

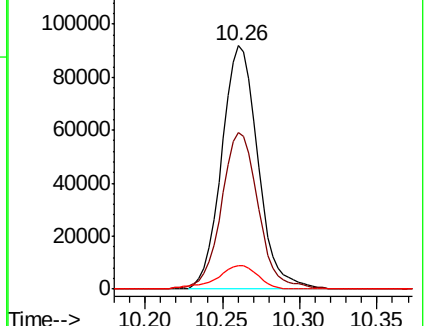
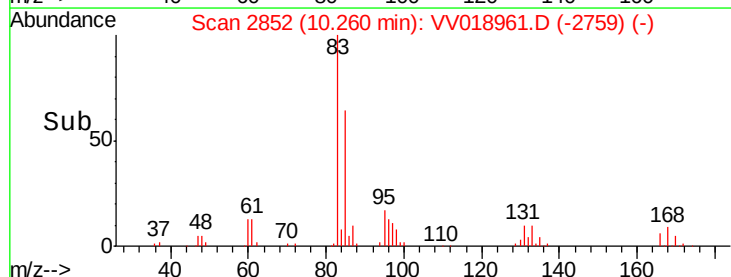
131 9.7 7.7 11.5

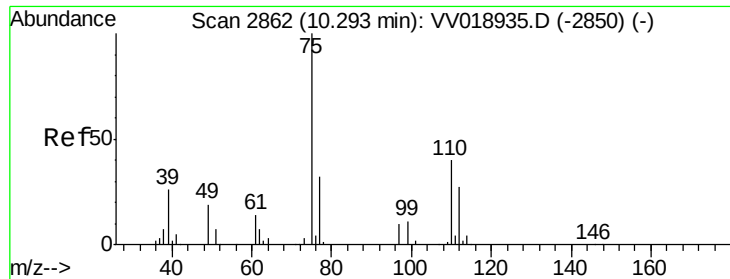


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.766 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

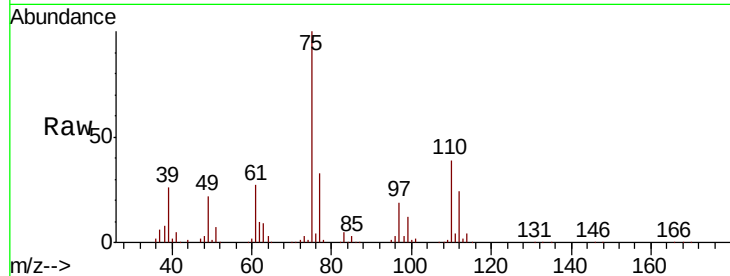
VSTD05094

Tot Ion: 75 Resp: 144304

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV018935.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018935.D (-2850) (-)

10.29

100000

80000

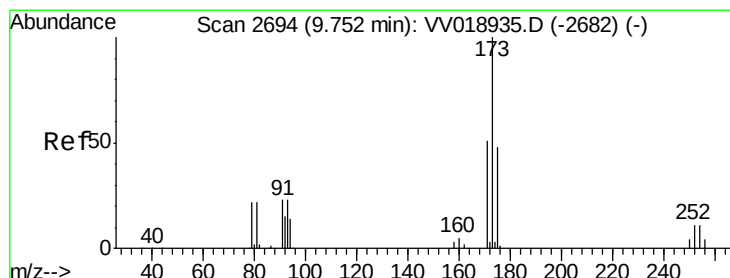
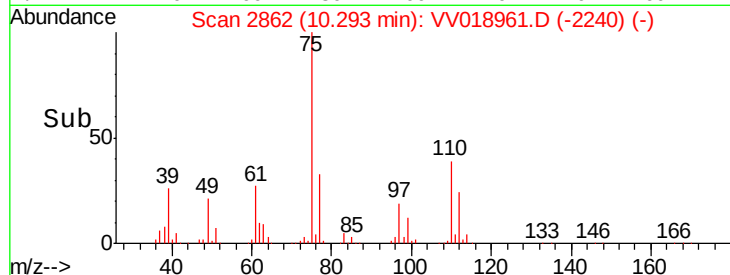
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 49.538 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

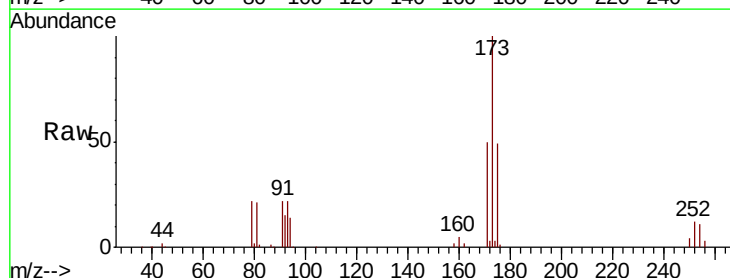
Tgt Ion: 173 Resp: 91302

Ion Ratio Lower Upper

173 100

175 49.3 38.2 57.2

254 11.0 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV018935.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018935.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018935.D (-2682) (-)

9.75

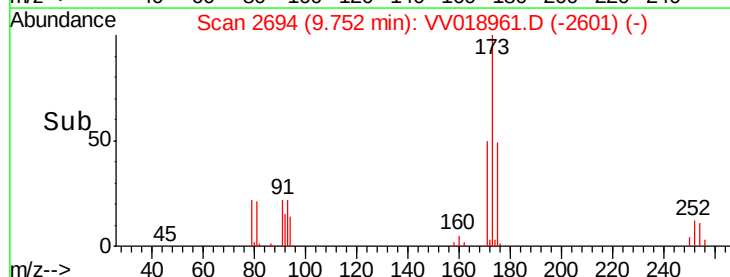
60000

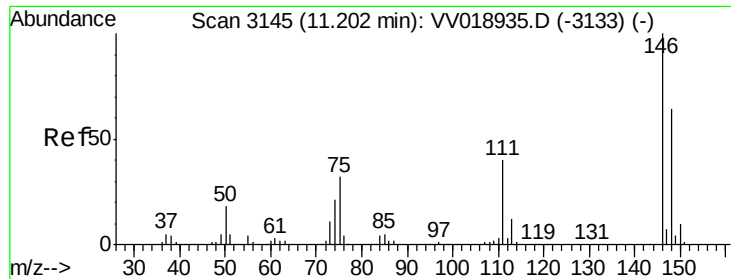
40000

20000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 48.957 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

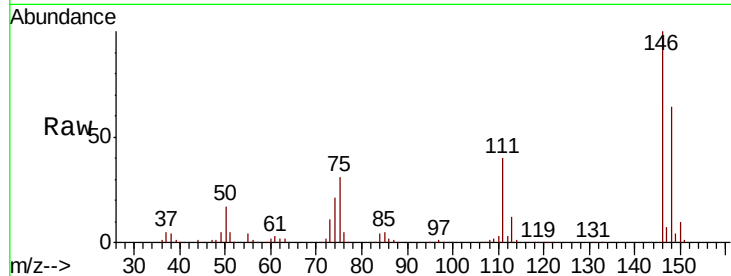
Tot Ion:146 Resp: 256067

Ion Ratio Lower Upper

146 100

111 40.1 28.3 52.7

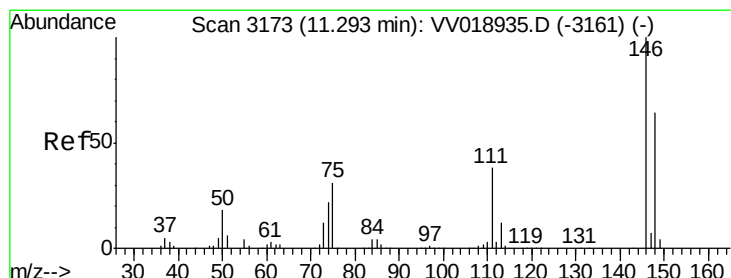
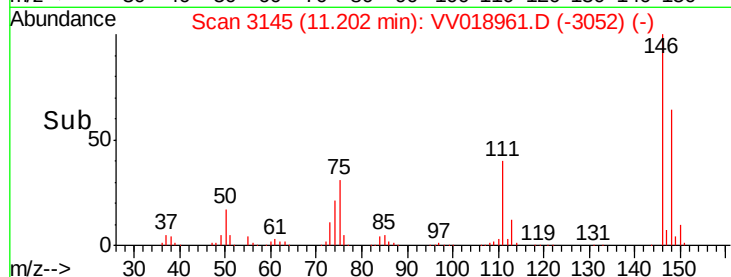
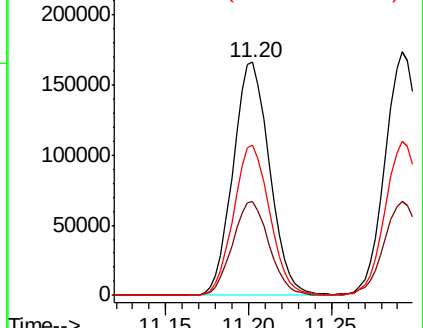
148 64.3 45.1 83.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.130 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

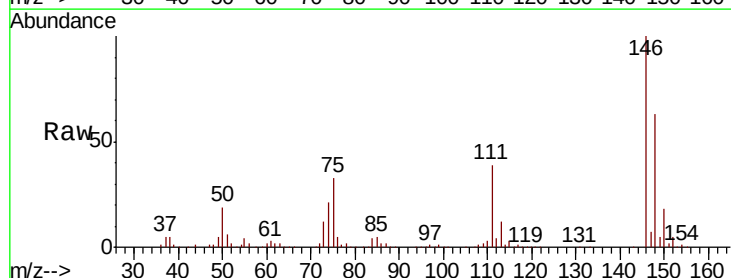
Tgt Ion:146 Resp: 264668

Ion Ratio Lower Upper

146 100

111 38.7 27.5 51.1

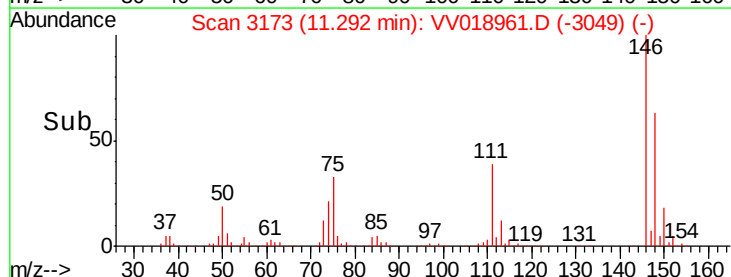
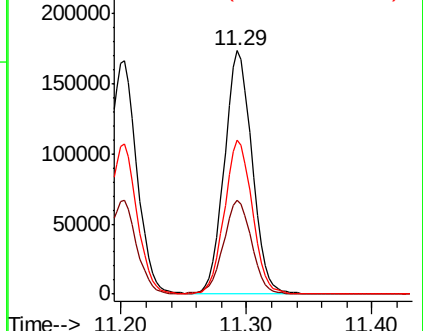
148 63.0 44.1 81.9

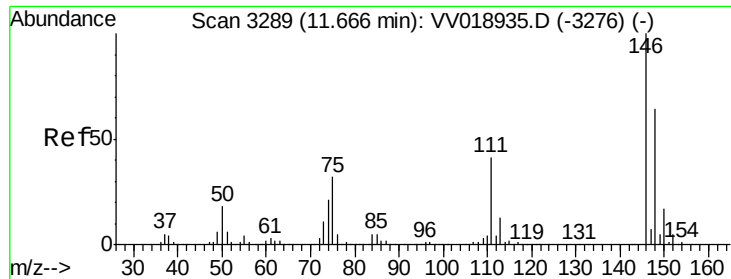


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

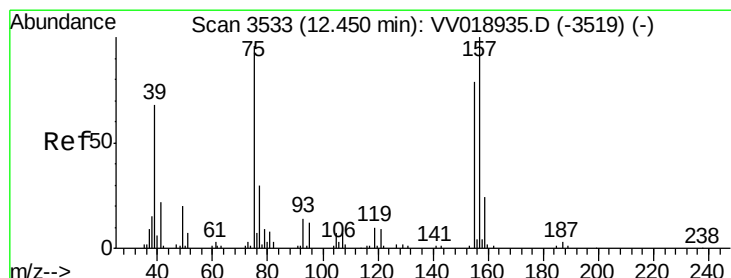
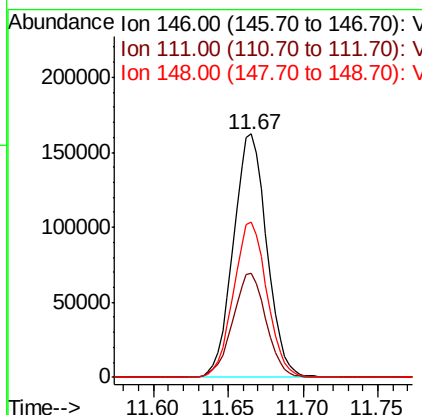
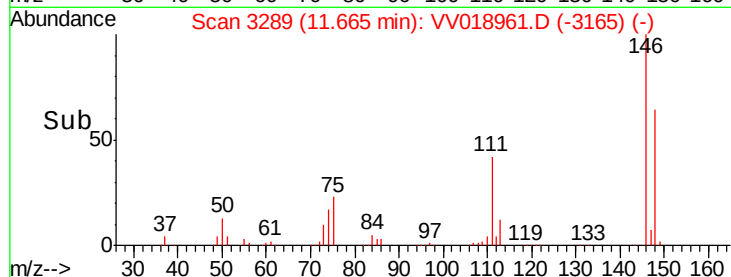
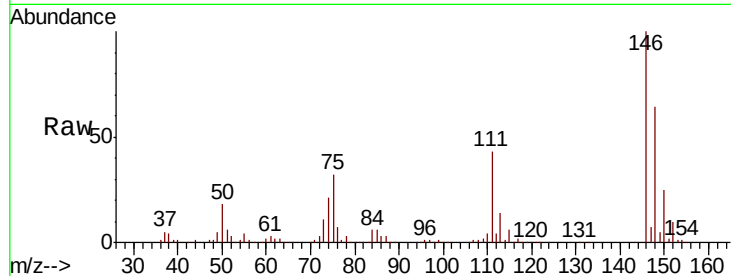




#65
 1,2-Dichlorobenzene
 Concen: 47.902 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

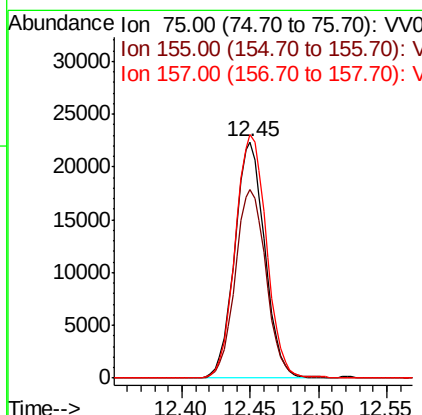
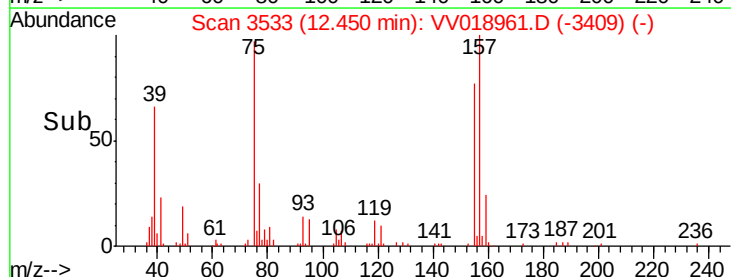
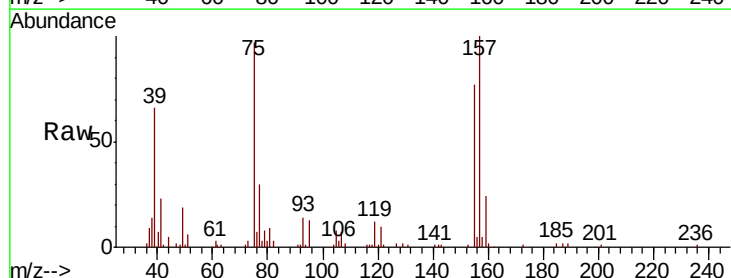
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

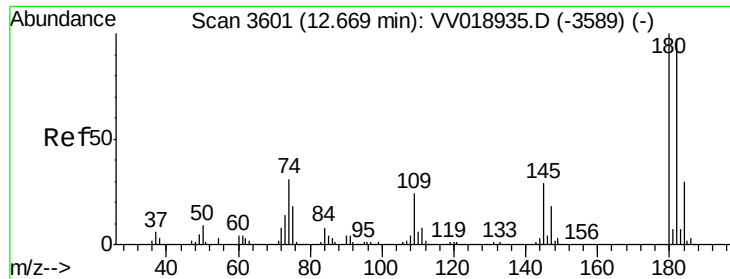
Tot Ion:146 Resp: 252781
 Ion Ratio Lower Upper
 146 100
 111 42.7 33.9 50.9
 148 63.8 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.568 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

Tgt Ion: 75 Resp: 34262
 Ion Ratio Lower Upper
 75 100
 155 79.6 65.7 98.5
 157 103.0 83.0 124.4

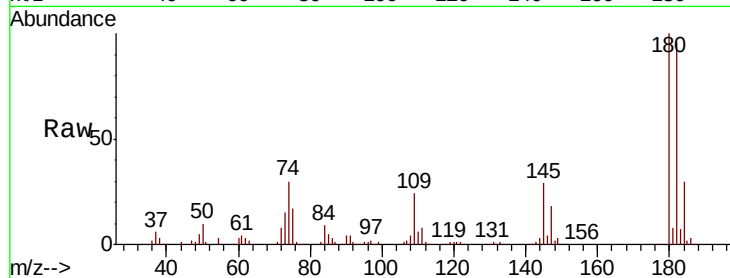




#67
 1,3,5-Trichlorobenzene
 Concen: 49.705 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.8	113.8
184	30.4	24.9	37.3
145	28.9	23.2	34.8



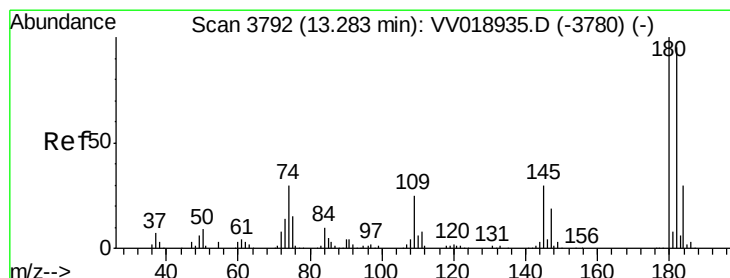
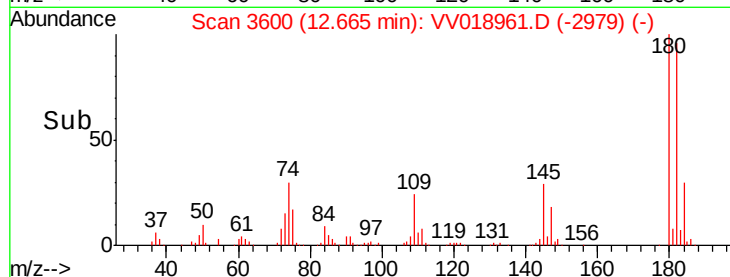
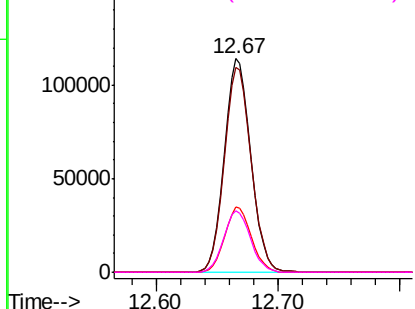
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

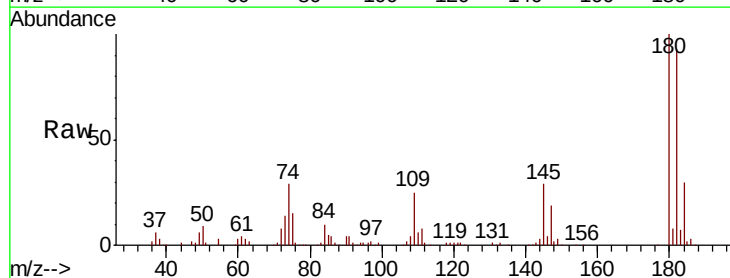
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.136 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018961.D
 Acq: 19 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.5	114.7
145	29.8	23.7	35.5

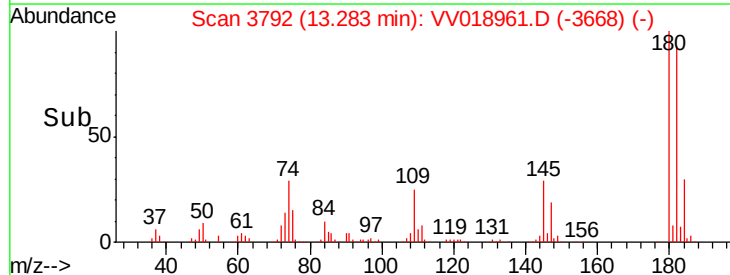
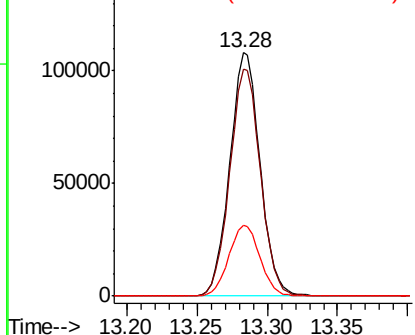


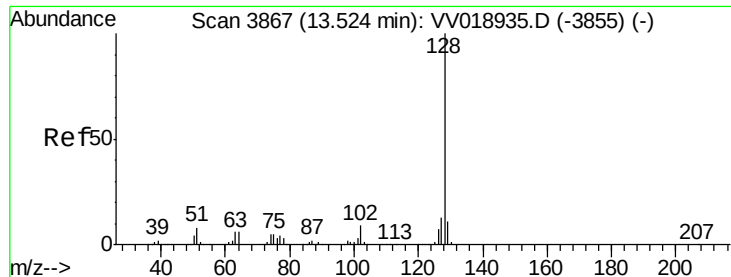
Abundance

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: 49.590 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Instrument :

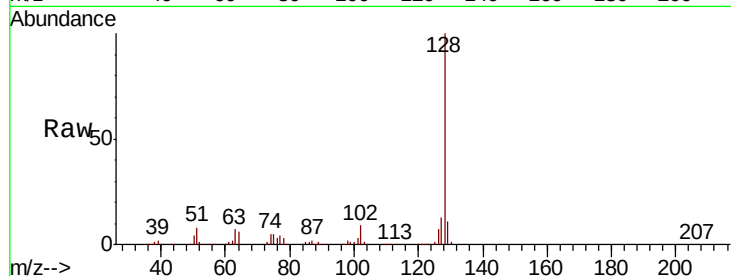
MSVOA_V

ClientSampleId :

VSTD05094

Tot Ion:128 Resp: 455629

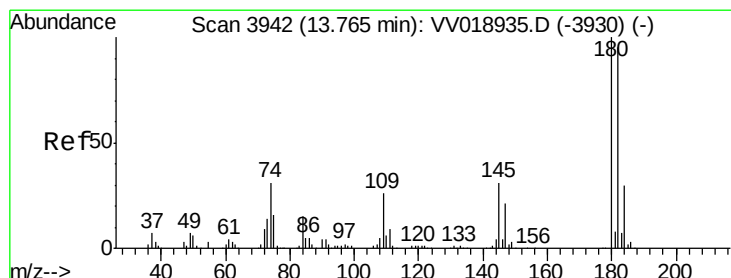
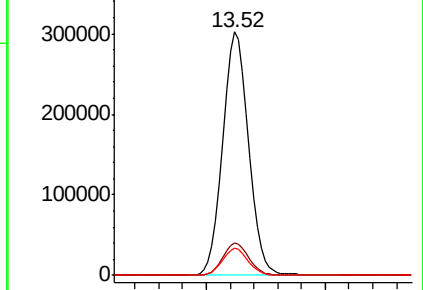
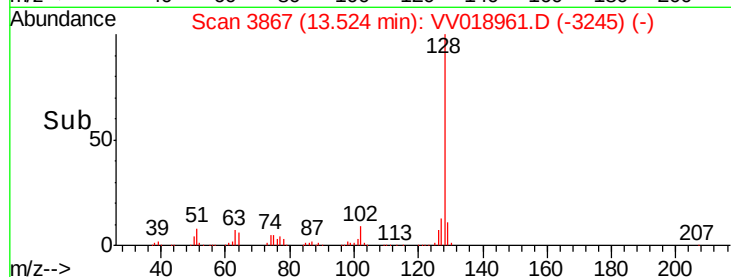
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.0	8.9	13.3



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: 51.426 ug/L

RT: 13.77 min Scan# 3942

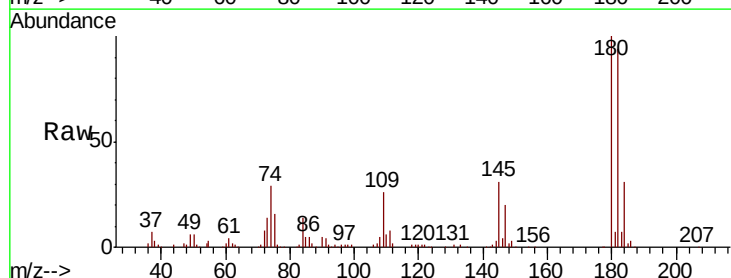
Delta R.T. -0.00 min

Lab File: VV018961.D

Acq: 19 Oct 2020 10:22

Tgt Ion:180 Resp: 166425

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.8	115.2
145	31.2	25.4	38.0



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

