

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017634.D
 Acq On : 24 Jul 2020 04:15
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Quant Time: Jul 24 04:34:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 02:33:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	170676	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	165518	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	92927	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	41995	5.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.00%
7) Chloroethane-d5	1.58	69	33467	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.12	63	93526	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.40%
20) 2-Butanone-d5	3.95	46	101778	52.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.40%
24) Chloroform-d	4.38	84	105710	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
26) 1,2-Dichloroethane-d4	5.06	65	57183	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
32) Benzene-d6	5.07	84	190222	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.10	67	51472	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.34	98	188871	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
45) trans-1,3-Dichloropropene-	7.64	79	24016	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
48) 2-Hexanone-d5	8.11	63	75221	52.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.62%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37492	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	73955	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	88552	4.735	ug/L	99
3) Chloromethane	1.25	50	58093	4.775	ug/L	92
5) Vinyl chloride	1.32	62	60437	4.956	ug/L	98
6) Bromomethane	1.53	94	35305	4.505	ug/L	100
8) Chloroethane	1.60	64	36557	5.193	ug/L	98
9) Trichlorofluoromethane	1.77	101	111517	5.113	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	48903	4.801	ug/L	94
12) 1,1-Dichloroethene	2.13	96	47229	5.139	ug/L	91
13) Acetone	2.23	43	77847	51.006	ug/L #	54
14) Carbon disulfide	2.31	76	140339	5.023	ug/L	99
15) Methyl Acetate	2.46	43	15445	5.201	ug/L	97
16) Methylene chloride	2.52	84	50173	4.906	ug/L	100
17) Methyl tert-butyl Ether	2.79	73	123615	5.248	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	50813	5.074	ug/L	94
19) 1,1-Dichloroethane	3.21	63	113189	5.375	ug/L	98
21) 2-Butanone	4.03	43	129773	50.355	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	62284	4.939	ug/L	100

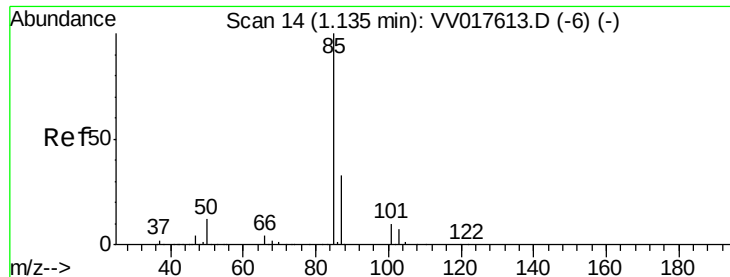
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	29291	5.040	ug/L	87
25) Chloroform	4.41	83	122758	5.194	ug/L	97
27) 1,2-Dichloroethane	5.16	62	78599	5.128	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	117634	5.080	ug/L	99
30) Cyclohexane	4.70	56	84259	4.592	ug/L	98
31) Carbon tetrachloride	4.85	117	103195	5.010	ug/L	98
33) Benzene	5.12	78	237671	5.073	ug/L	100
34) Trichloroethene	5.94	95	65060	4.971	ug/L	97
35) Methylcyclohexane	6.15	83	89502	4.521	ug/L	98
37) 1,2-Dichloropropane	6.20	63	54845	4.981	ug/L	99
38) Bromodichloromethane	6.53	83	84133	5.194	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	80882	4.870	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	310594	51.448	ug/L	99
42) Toluene	7.41	91	261694	5.120	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	249978	5.238	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	262259	5.379	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	71781	4.814	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	40823	4.889	ug/L	87
49) Tetrachloroethene	7.99	164	56205	4.871	ug/L	96
50) 2-Hexanone	8.16	43	224430	52.539	ug/L	98
51) Dibromochloromethane	8.27	129	56229	5.291	ug/L	96
52) 1,2-Dibromoethane	8.37	107	39666	5.034	ug/L	94
53) Chlorobenzene	8.90	112	175197	5.142	ug/L	98
54) Ethylbenzene	9.03	91	290107	5.070	ug/L	100
55) m,p-xylene	9.16	106	109141	5.064	ug/L	87
56) o-xylene	9.56	106	106007	5.069	ug/L	96
57) Styrene	9.58	104	187081	5.361	ug/L	100
58) Isopropylbenzene	9.95	105	296192	5.134	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	46477	5.108	ug/L	99
62) Bromoform	9.75	173	30788	5.177	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	150383	5.026	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	150263	5.005	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	140573	5.158	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	8502	4.989	ug/L	98
68) 1,3,5-Trichlorobenzene	12.67	180	118006	4.855	ug/L	100
69) 1,2,4-trichlorobenzene	13.28	180	99374	4.888	ug/L	99
70) Naphthalene	13.53	128	139802	4.932	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	88649	4.921	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.735 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampled :

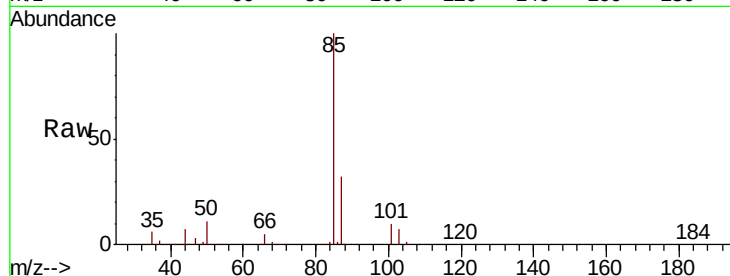
VSTD00555

Tot Ion: 85 Resp: 88552

Ion Ratio Lower Upper

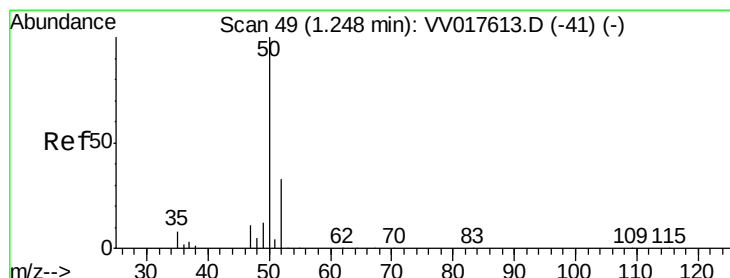
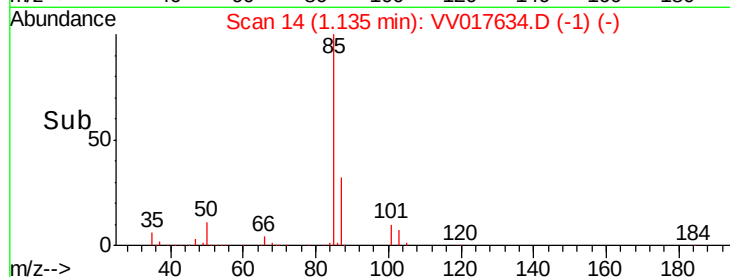
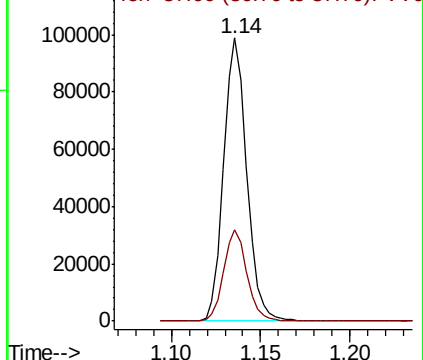
85 100

87 32.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.775 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017634.D

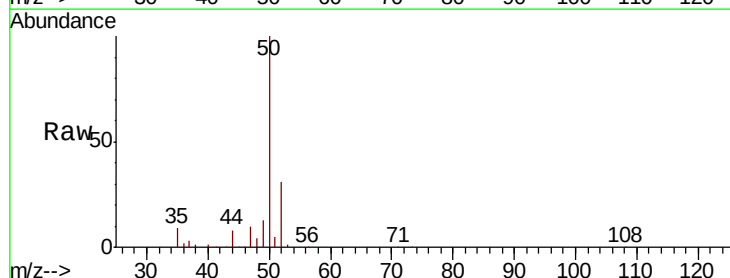
Acq: 24 Jul 2020 04:15

Tgt Ion: 50 Resp: 58093

Ion Ratio Lower Upper

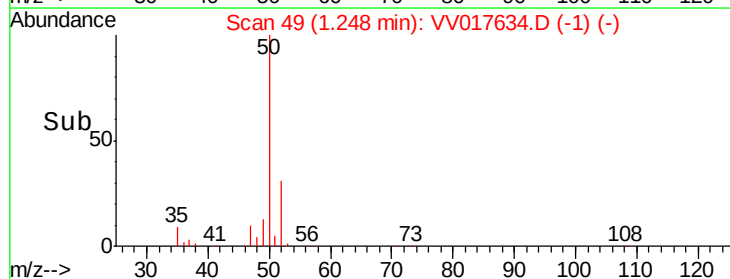
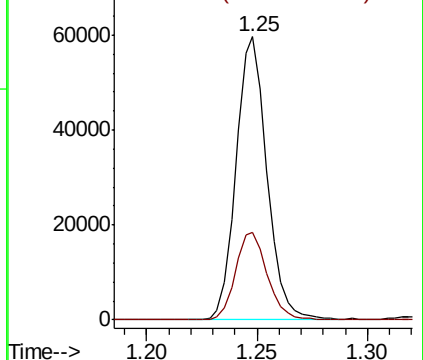
50 100

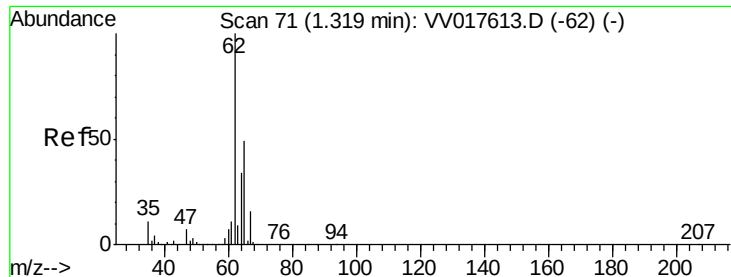
52 31.0 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.956 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampleId :

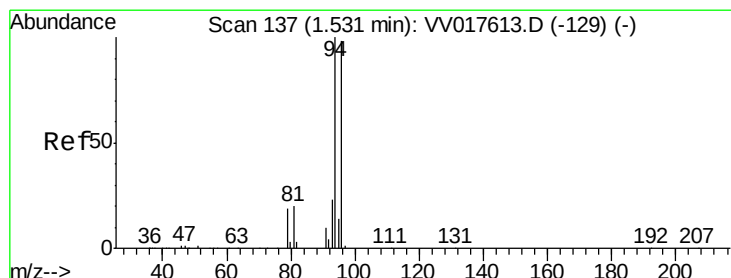
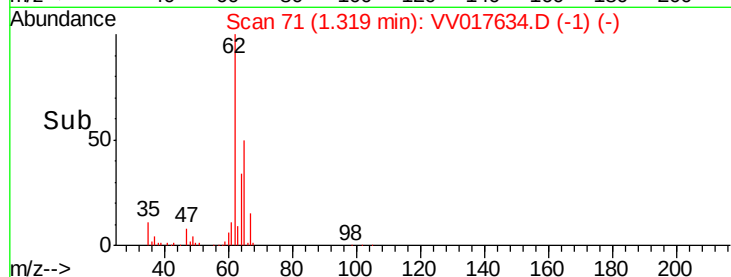
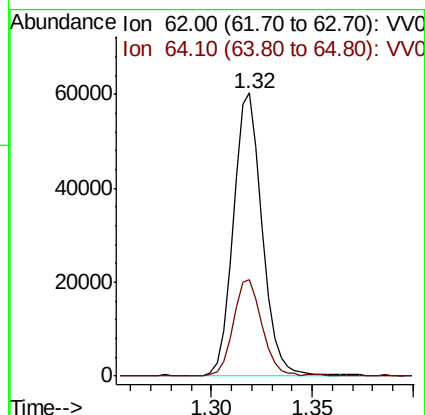
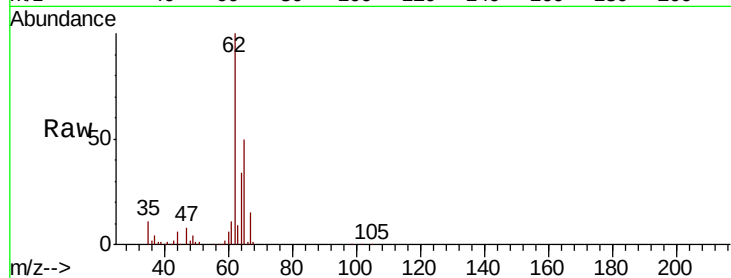
VSTD00555

Tot Ion: 62 Resp: 60437

Ion Ratio Lower Upper

62 100

64 33.9 23.0 42.8



#6

Bromomethane

Concen: 4.505 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017634.D

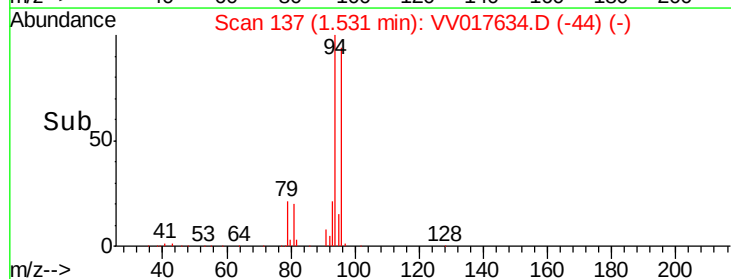
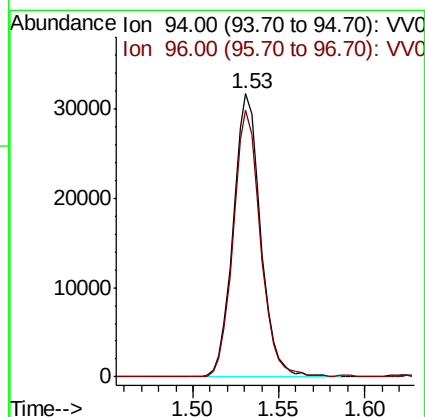
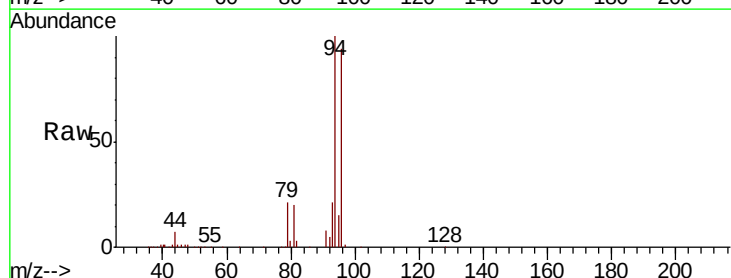
Acq: 24 Jul 2020 04:15

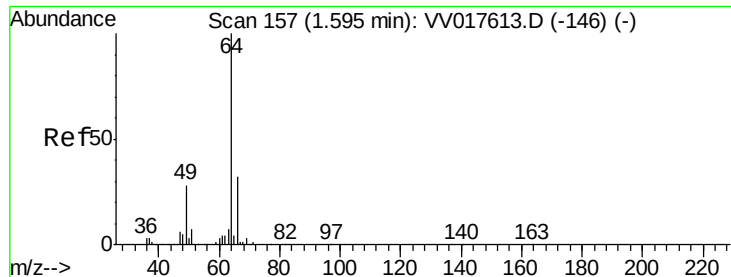
Tgt Ion: 94 Resp: 35305

Ion Ratio Lower Upper

94 100

96 94.2 65.9 122.5





#8

Chloroethane

Concen: 5.193 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampleId :

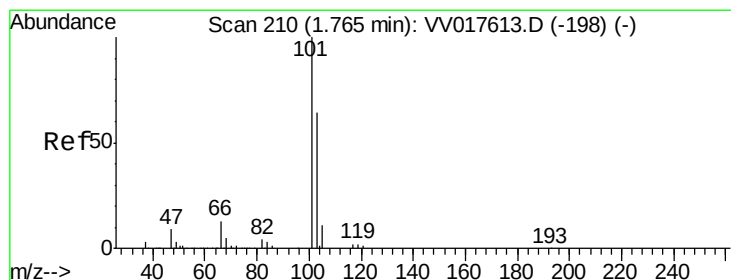
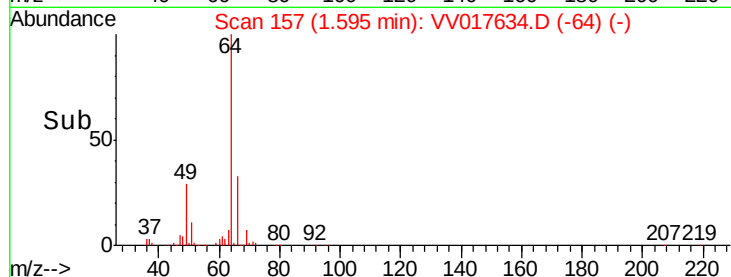
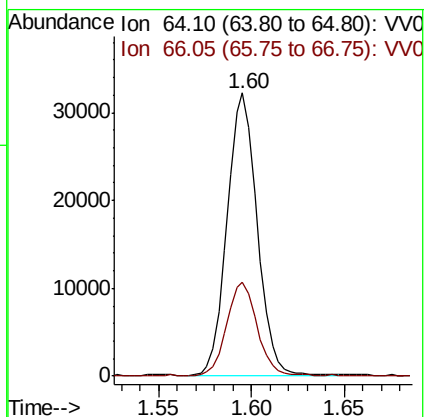
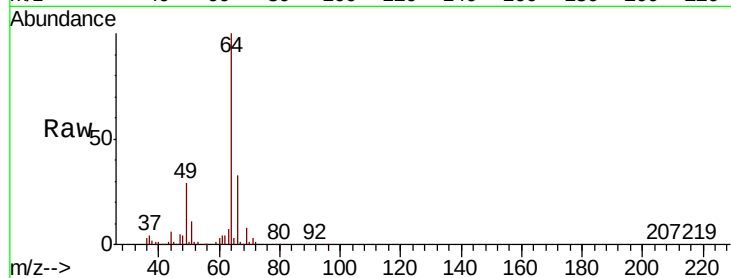
VSTD00555

Tot Ion: 64 Resp: 36557

Ion Ratio Lower Upper

64 100

66 33.1 24.0 44.6



#9

Trichlorofluoromethane

Concen: 5.113 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017634.D

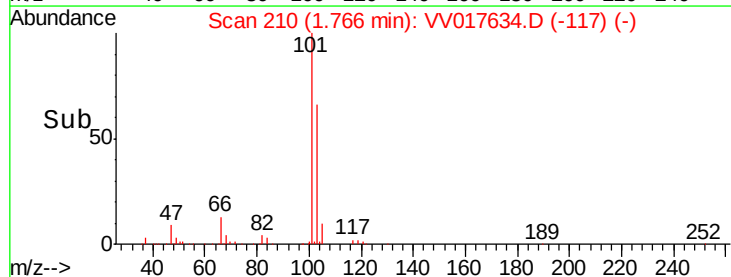
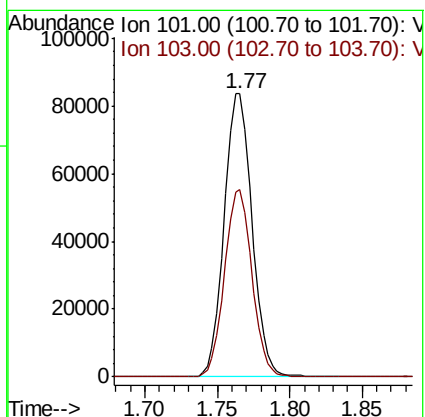
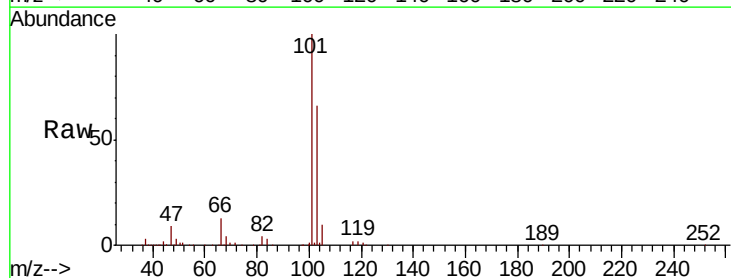
Acq: 24 Jul 2020 04:15

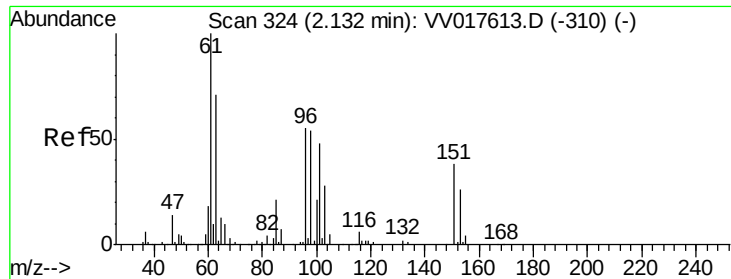
Tgt Ion: 101 Resp: 111517

Ion Ratio Lower Upper

101 100

103 65.0 51.7 77.5





#10

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

Concen: 4.801 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

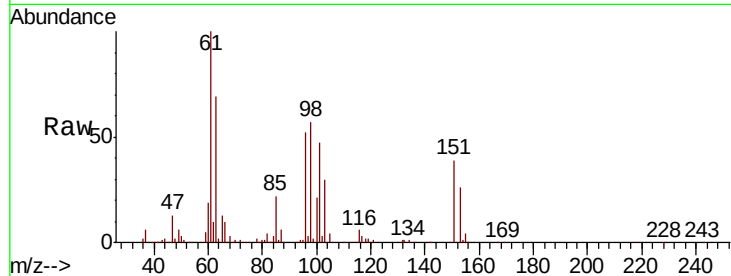
Tot Ion:101 Resp: 48903

Ion Ratio Lower Upper

101 100

85 47.3 34.6 51.8

151 84.8 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): VV017613.D (-310) (-)

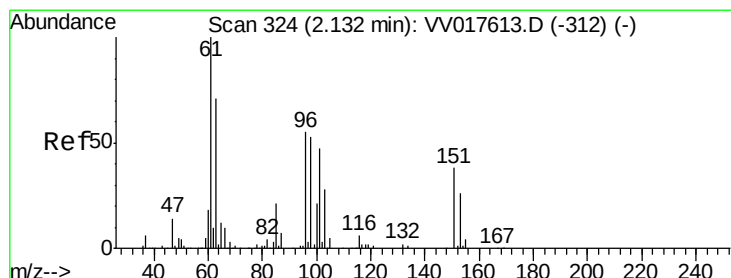
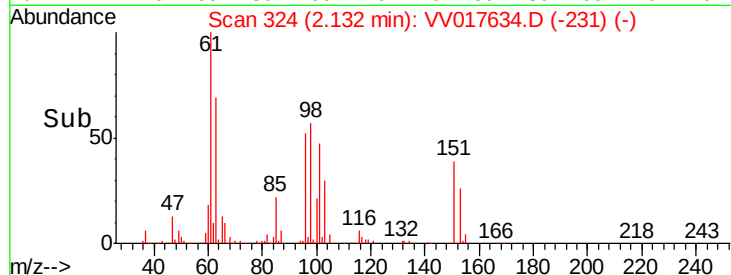
Ion 85.00 (84.70 to 85.70): VV017613.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017613.D (-310) (-)

Time-->

2.13

2.05 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 5.139 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

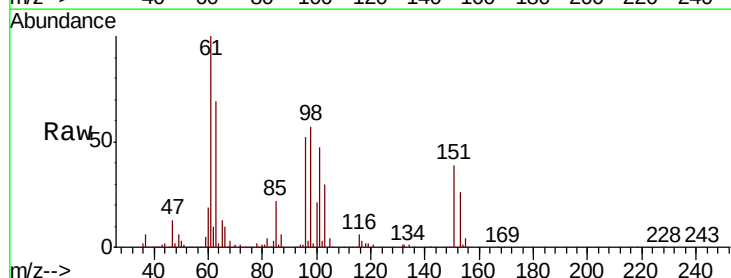
Tgt Ion: 96 Resp: 47229

Ion Ratio Lower Upper

96 100

61 193.7 123.1 228.7

63 134.1 91.2 169.4



Abundance Ion 96.00 (95.70 to 96.70): VV017634.D (-231) (-)

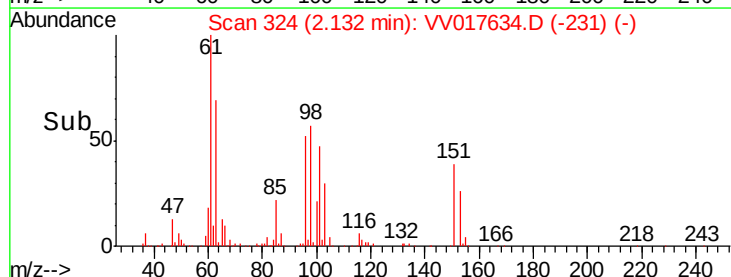
Ion 61.05 (60.75 to 61.75): VV017634.D (-231) (-)

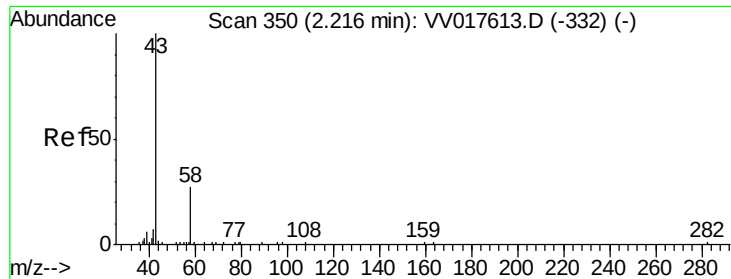
Ion 63.00 (62.70 to 63.70): VV017634.D (-231) (-)

Time-->

2.13

2.10 2.15 2.20





#13

Acetone

Concen: 51.006 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.01 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampleId :

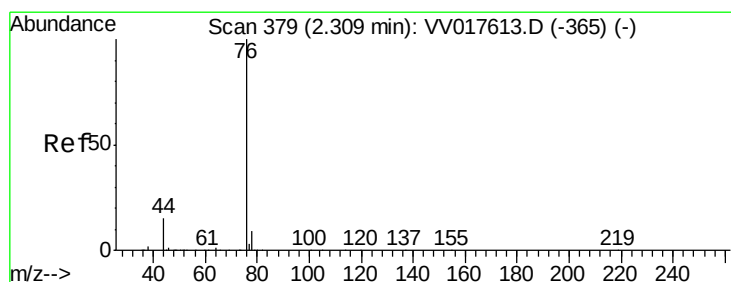
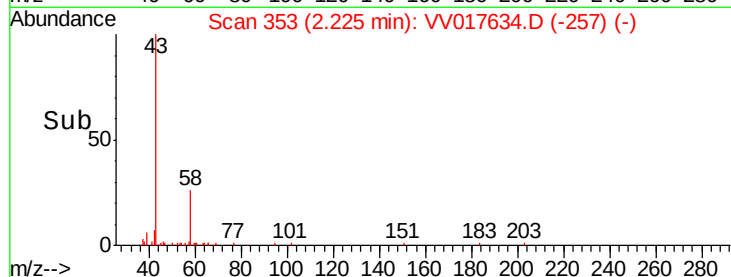
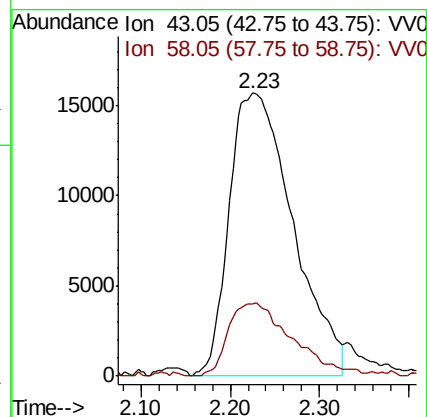
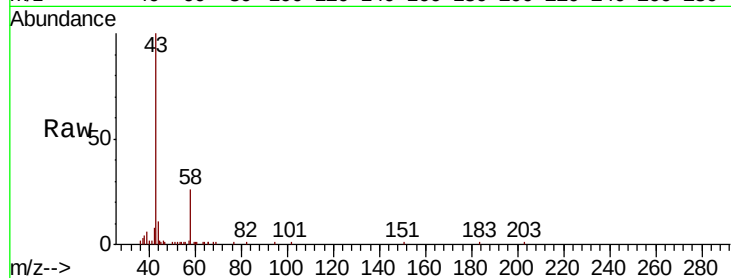
VSTD00555

Tot Ion: 43 Resp: 77847

Ion Ratio Lower Upper

43 100

58 25.9 0.0 18.6#



#14

Carbon disulfide

Concen: 5.023 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017634.D

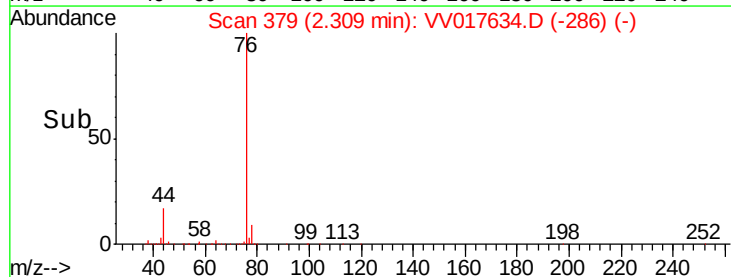
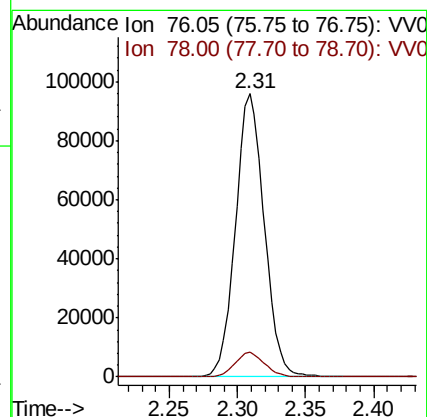
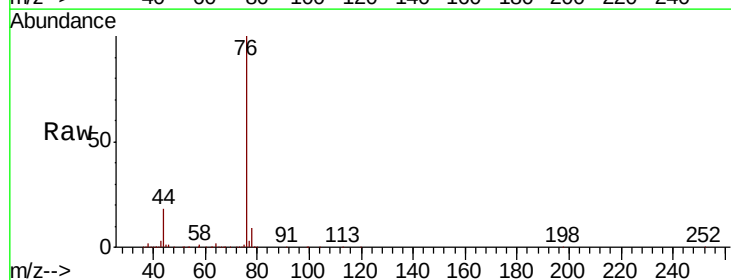
Acq: 24 Jul 2020 04:15

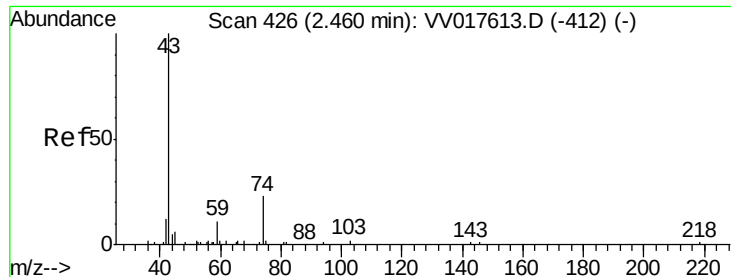
Tgt Ion: 76 Resp: 140339

Ion Ratio Lower Upper

76 100

78 8.8 6.6 10.0

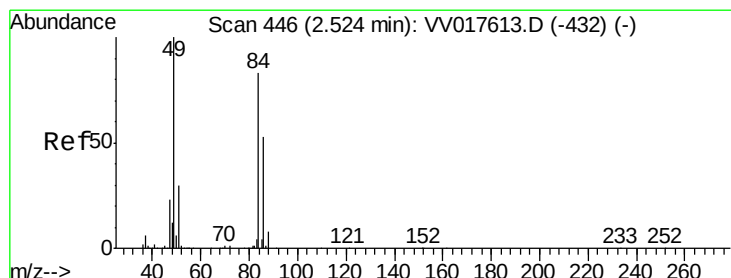
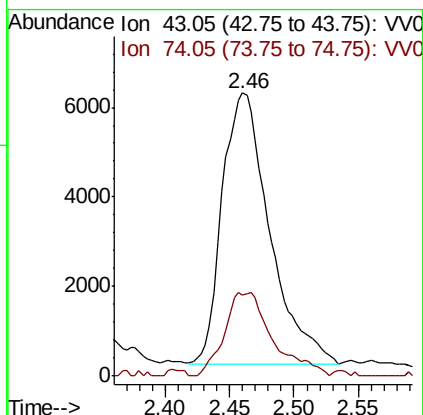
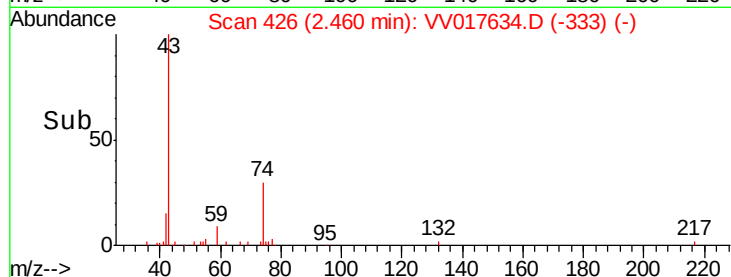
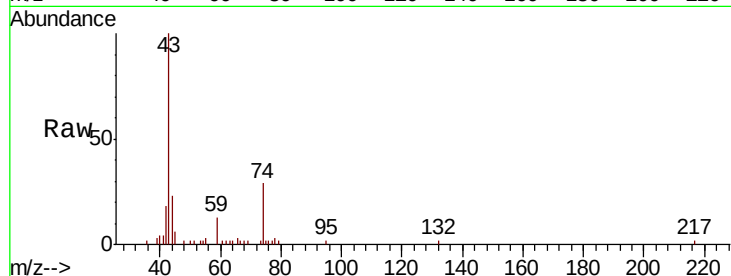




#15
Methvl Acetate
Concen: 5.201 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

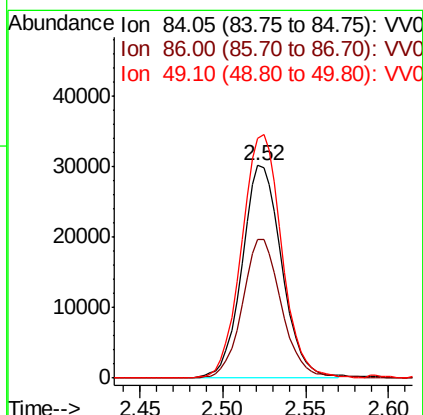
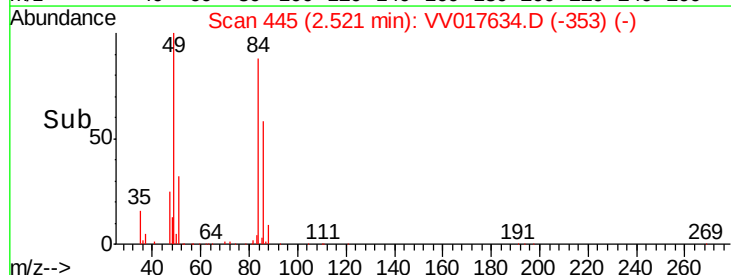
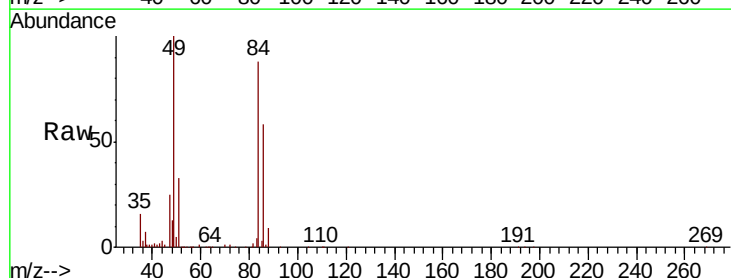
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

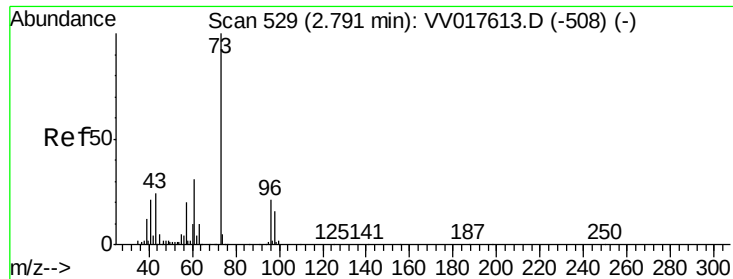
Tot Ion: 43 Resp: 15445
Ion Ratio Lower Upper
43 100
74 31.5 26.6 40.0



#16
Methylene chloride
Concen: 4.906 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

Tgt Ion: 84 Resp: 50173
Ion Ratio Lower Upper
84 100
86 65.5 46.5 86.3
49 113.1 79.2 147.2

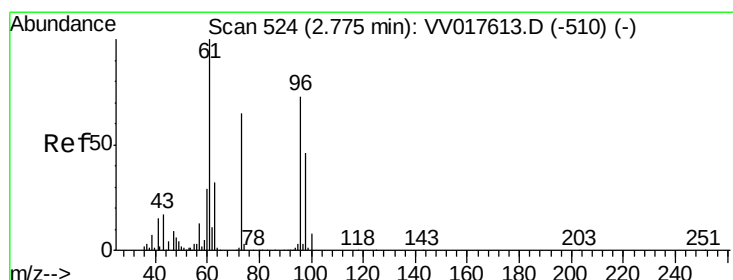
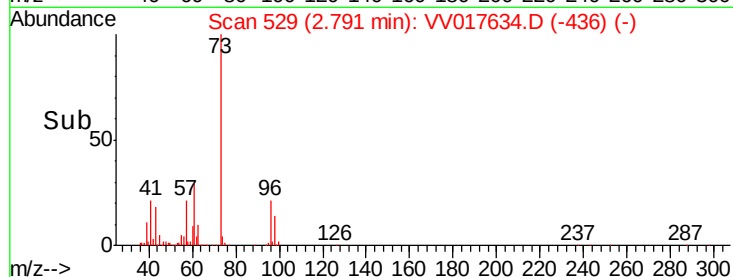
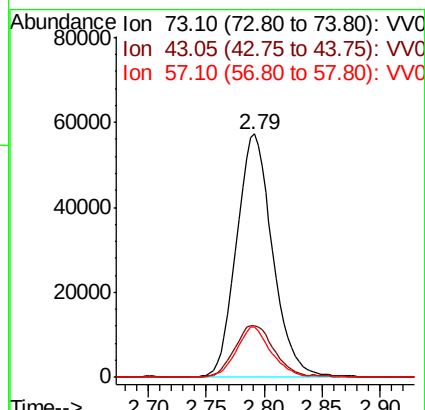
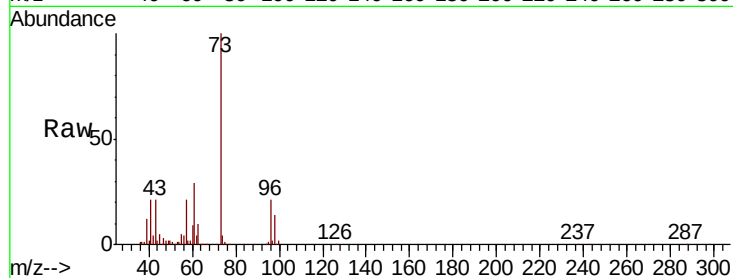




#17
Methyl tert-butyl Ether
Concen: 5.248 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

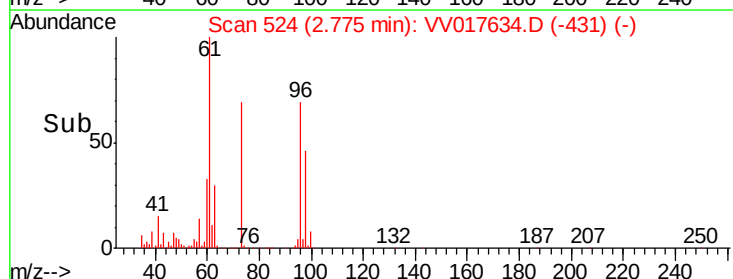
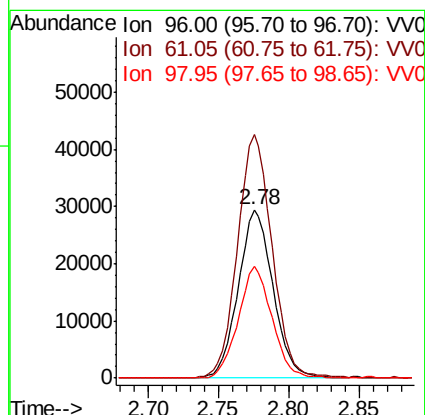
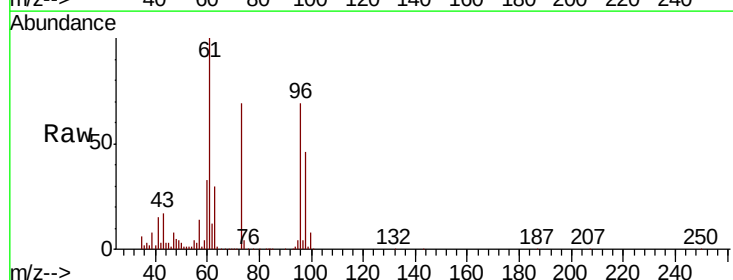
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

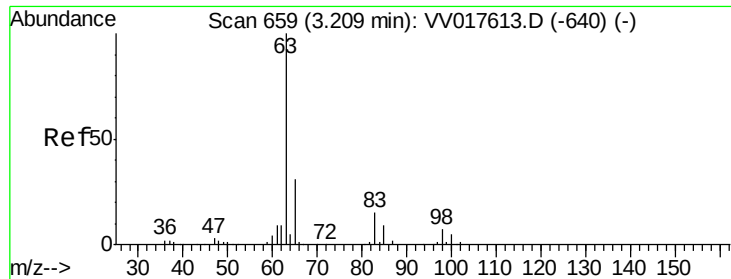
Tot Ion:	73	Resp:	123615
Ion	Ratio	Lower	Upper
73	100		
43	23.3	18.3	27.5
57	20.2	16.7	25.1



#18
trans-1,2-Dichloroethene
Concen: 5.074 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

Tgt Ion:	96	Resp:	50813
Ion	Ratio	Lower	Upper
96	100		
61	144.8	96.0	178.4
98	66.6	43.5	80.9



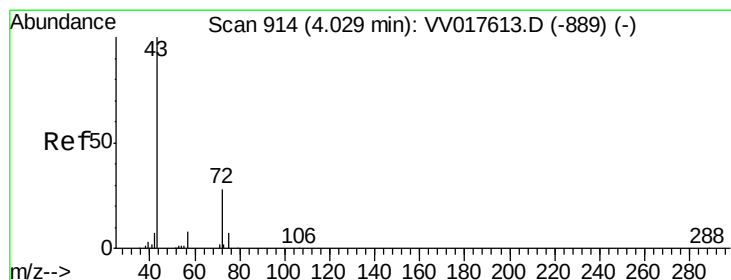
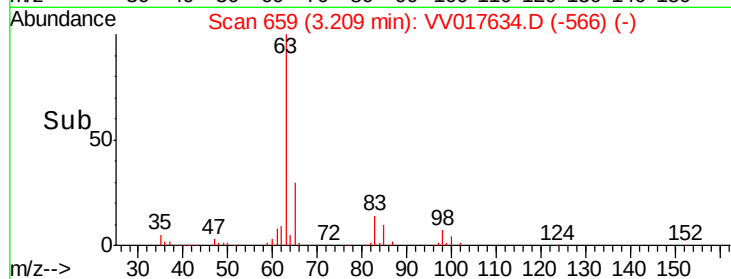
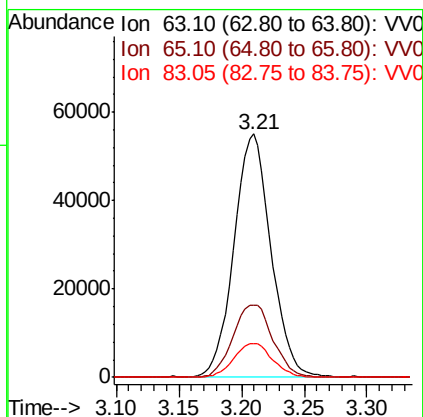
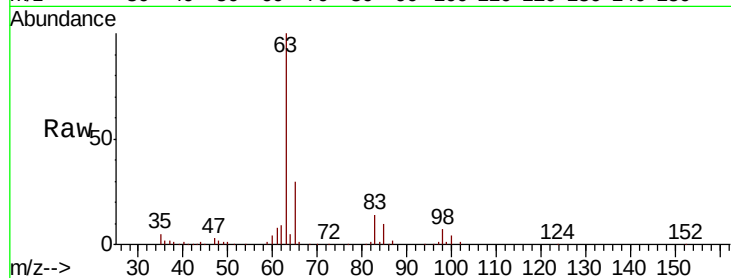


#19
 1,1-Dichloroethane
 Concen: 5.375 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tot Ion: 63 Resp: 113189

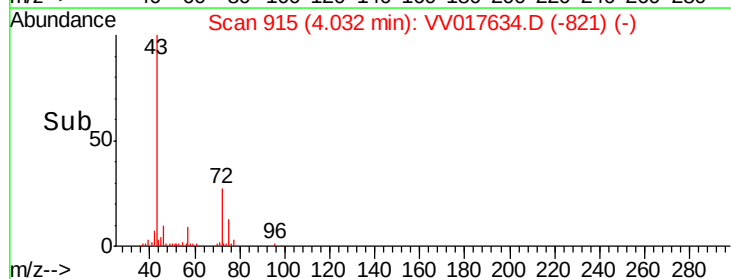
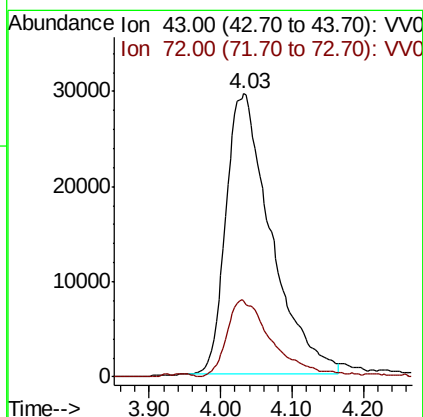
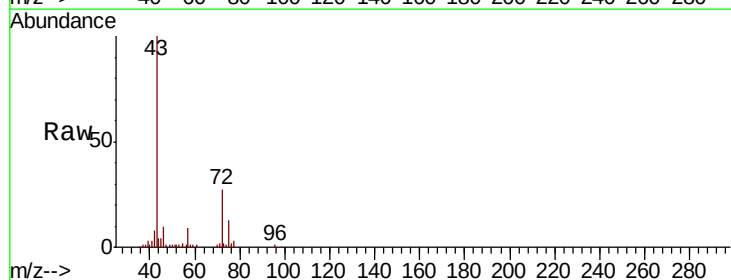
Ion	Ratio	Lower	Upper
63	100		
65	29.7	21.4	39.8
83	14.0	10.4	19.4

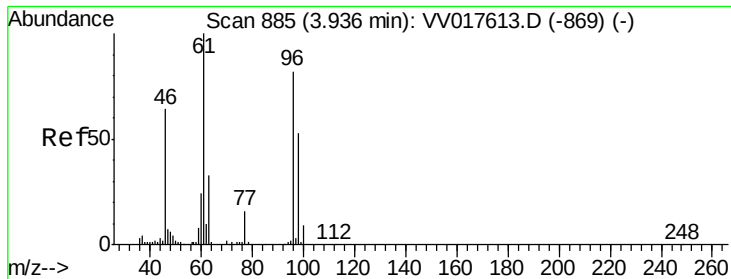


#21
 2-Butanone
 Concen: 50.355 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Tgt Ion: 43 Resp: 129773

Ion	Ratio	Lower	Upper
43	100		
72	26.9	13.0	38.9



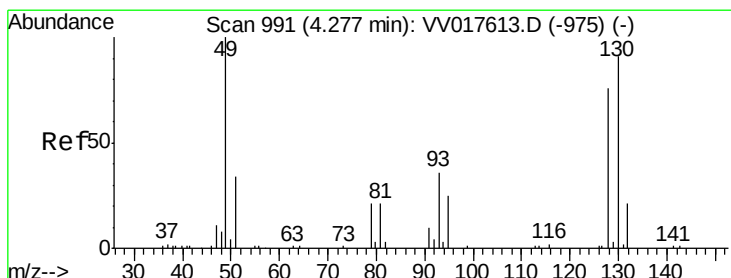
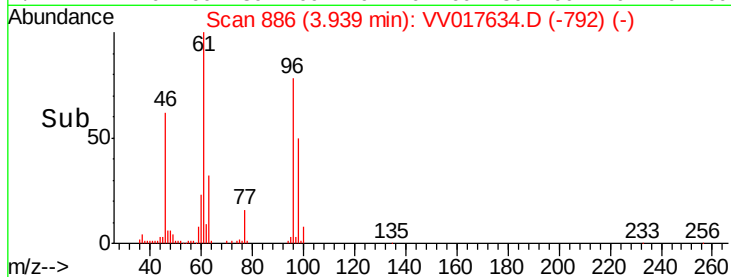
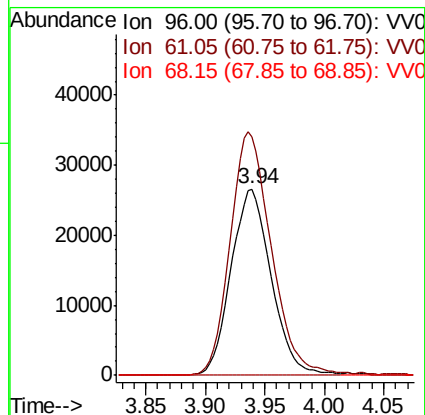
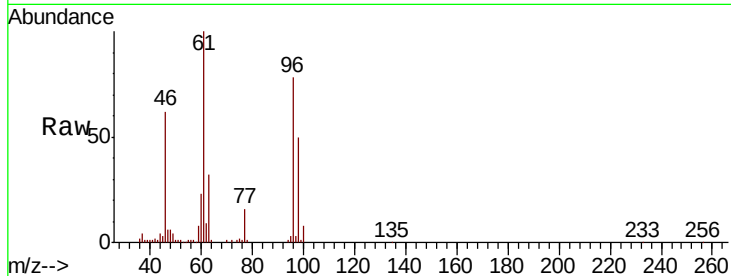


#22

cis-1,2-Dichloroethene
 Concen: 4.939 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

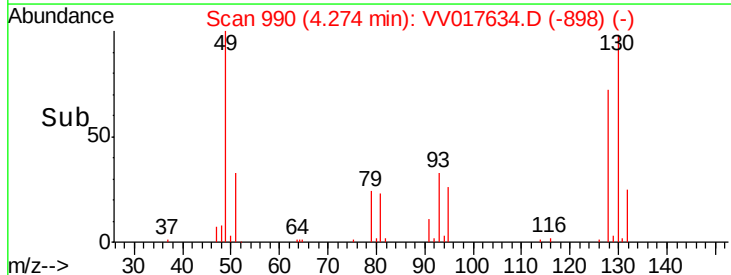
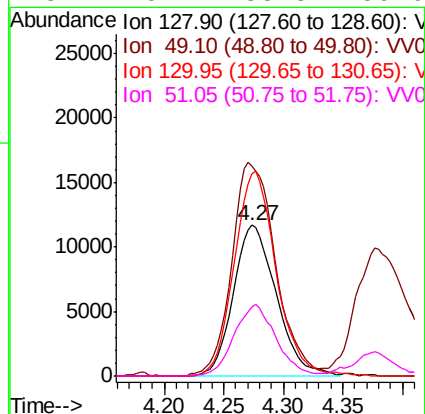
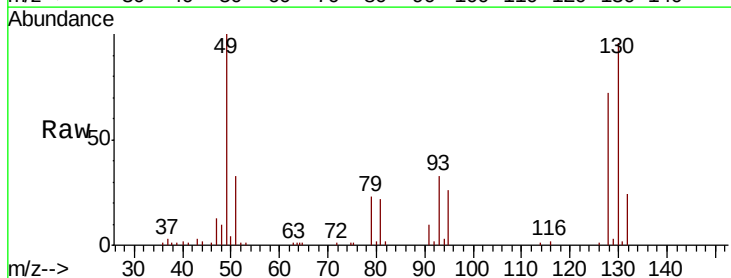
Tot Ion: 96 Resp: 62284
 Ion Ratio Lower Upper
 96 100
 61 128.0 89.6 166.4
 68 0.0 0.0 0.0

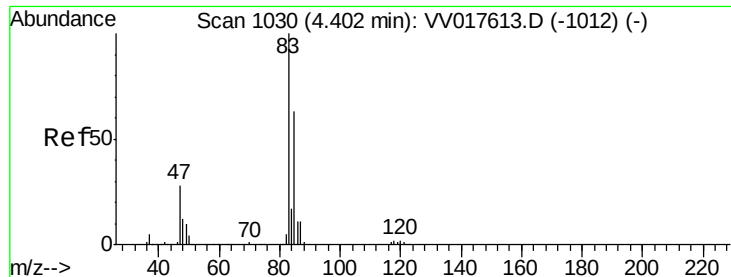


#23

Bromochloromethane
 Concen: 5.040 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Tgt Ion: 128 Resp: 29291
 Ion Ratio Lower Upper
 128 100
 49 139.8 92.2 171.2
 130 134.7 77.2 143.4
 51 46.1 33.8 50.6

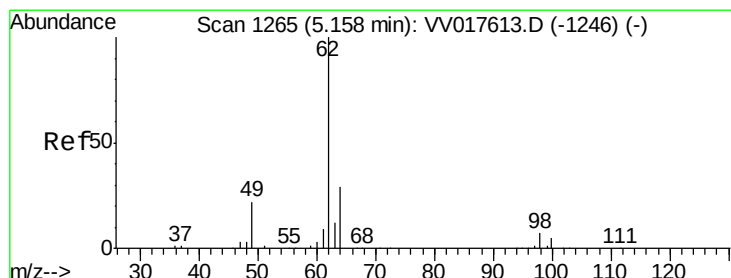
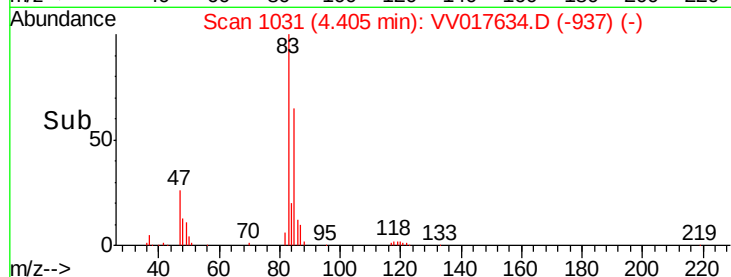
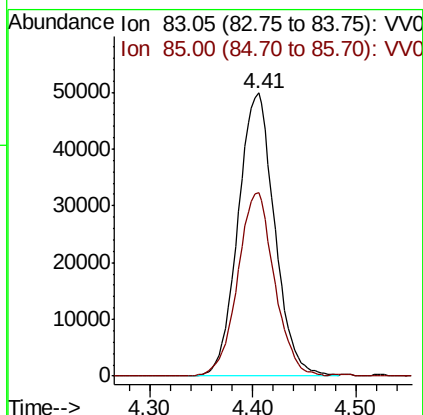
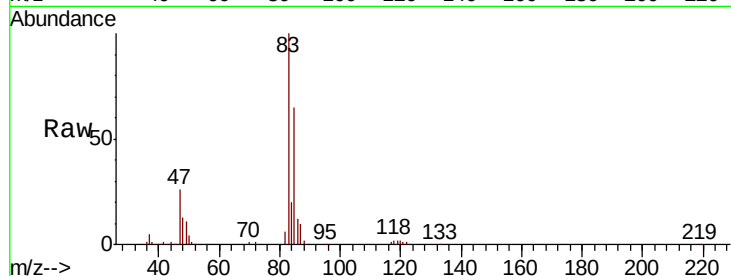




#25
Chloroform
Concen: 5.194 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

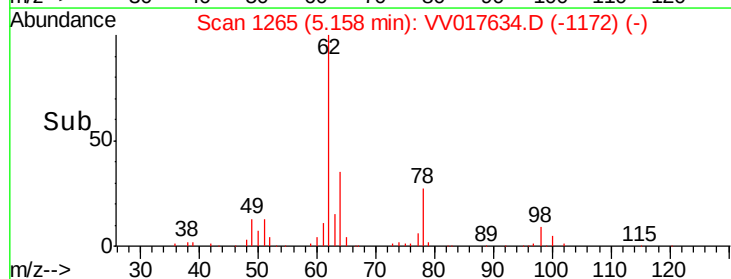
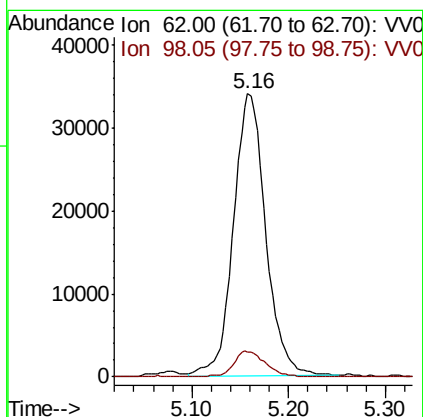
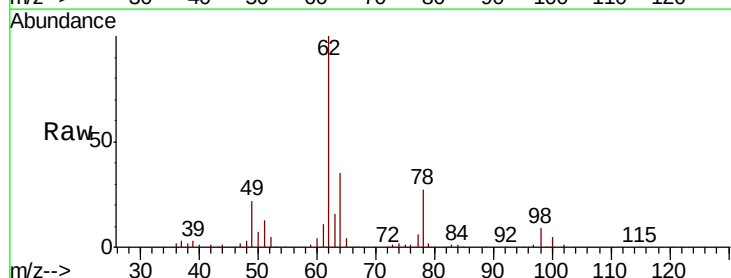
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

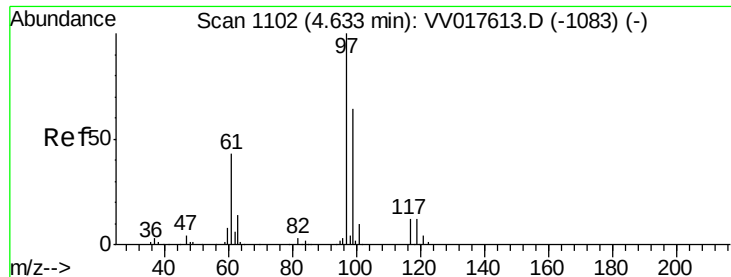
Tot Ion: 83 Resp: 122758
Ion Ratio Lower Upper
83 100
85 65.0 47.3 87.9



#27
1,2-Dichloroethane
Concen: 5.128 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

Tgt Ion: 62 Resp: 78599
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.6

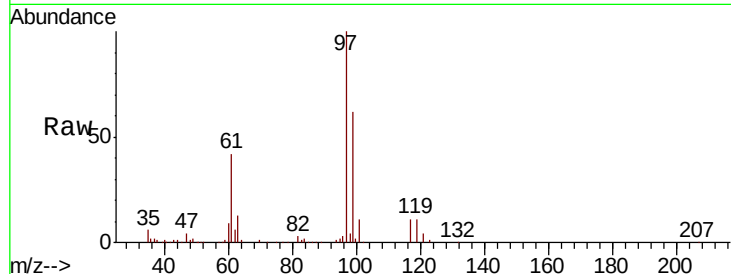




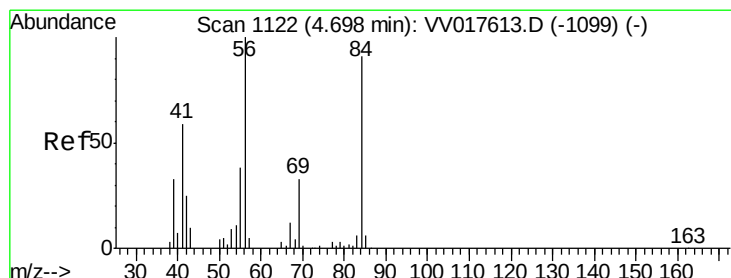
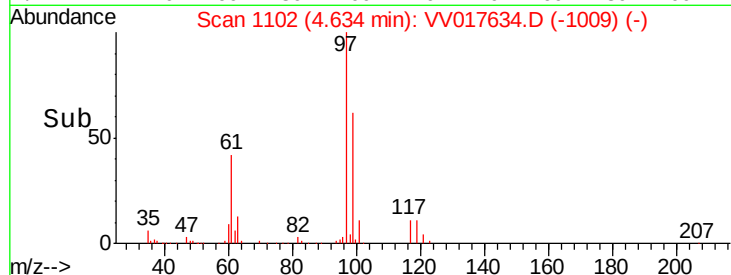
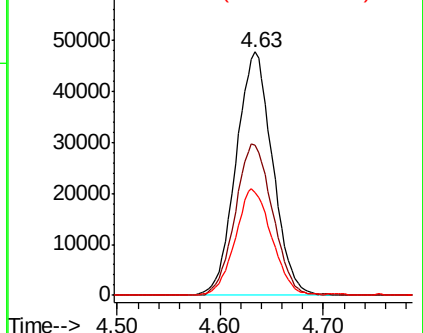
#29
 1,1,1-Trichloroethane
 Concen: 5.080 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tot Ion: 97 Resp: 117634
 Ion Ratio Lower Upper
 97 100
 99 63.3 50.6 76.0
 61 43.8 35.7 53.5

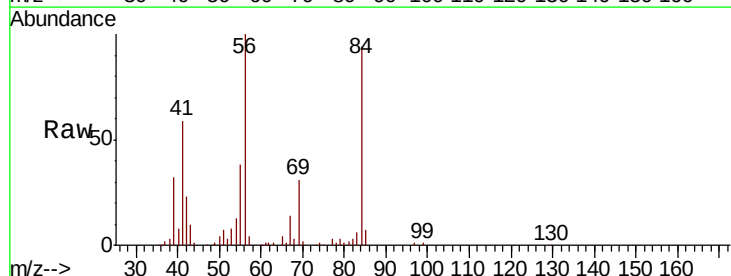


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

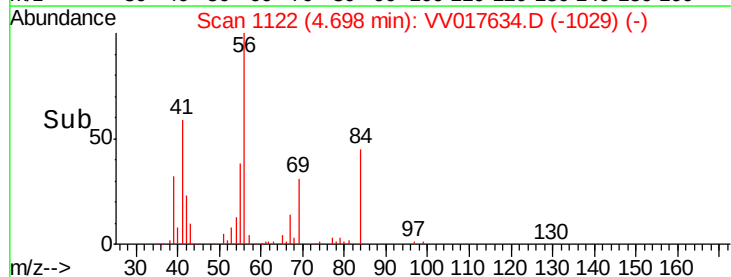
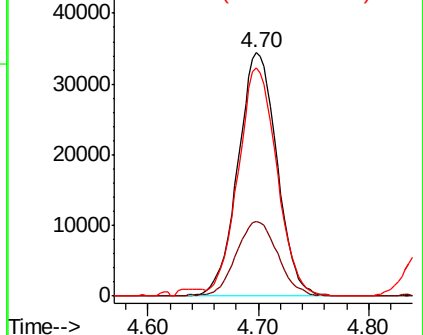


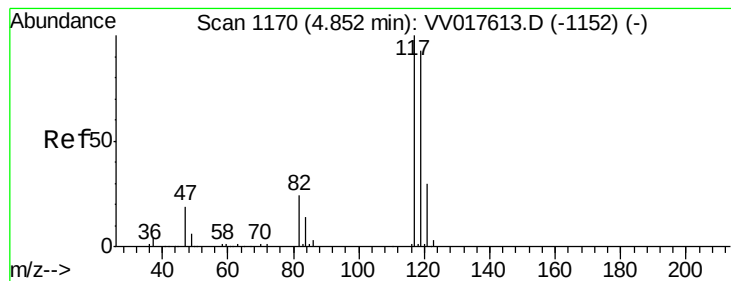
#30
 Cyclohexane
 Concen: 4.592 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Tgt Ion: 56 Resp: 84259
 Ion Ratio Lower Upper
 56 100
 69 32.6 25.4 38.2
 84 93.5 73.0 109.4



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

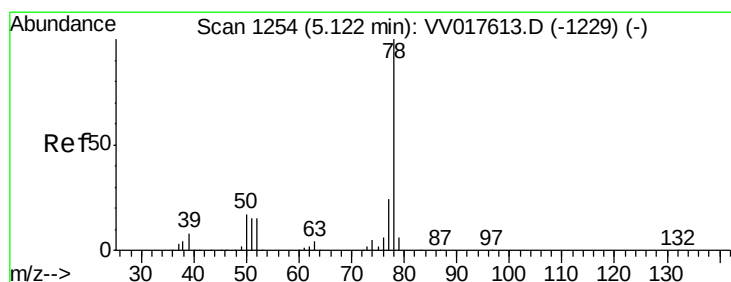
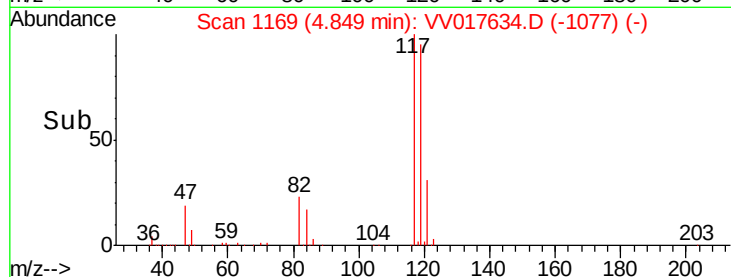
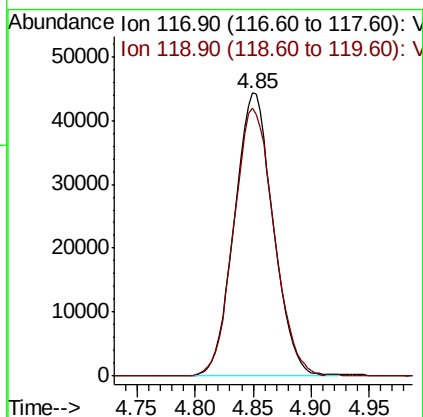
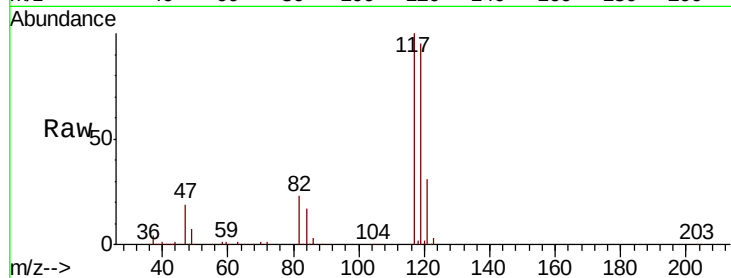




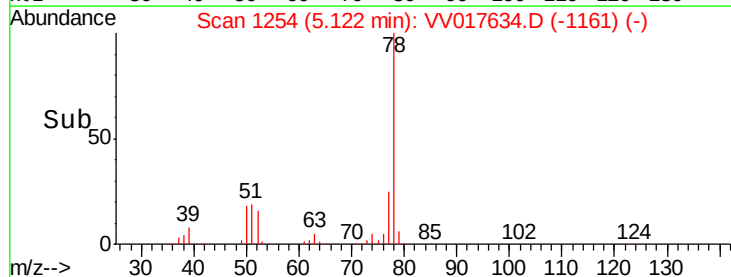
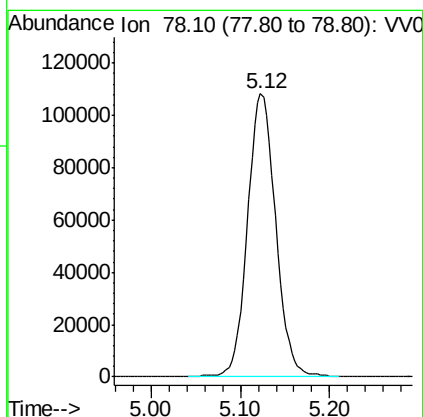
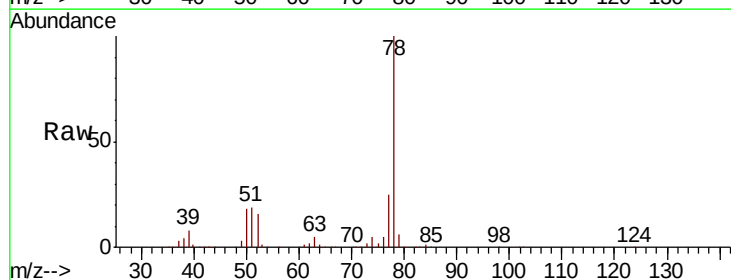
#31
Carbon tetrachloride
Concen: 5.010 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

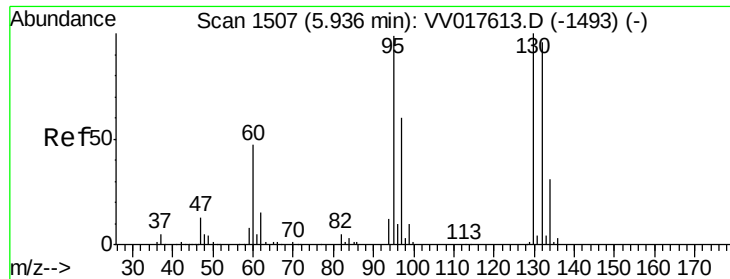
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tot Ion:117 Resp: 103195
Ion Ratio Lower Upper
117 100
119 97.8 76.9 115.3



#33
Benzene
Concen: 5.073 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15
Tgt Ion: 78 Resp: 237671





#34

Trichloroethene

Concen: 4.971 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

Tot Ion: 95 Resp: 65060

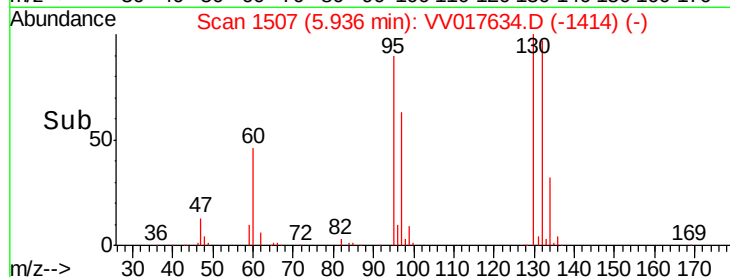
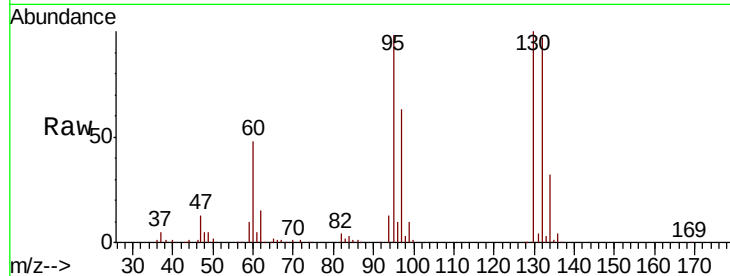
Ion Ratio Lower Upper

95 100

97 64.3 46.1 85.5

132 99.0 71.7 133.1

130 102.4 74.3 137.9



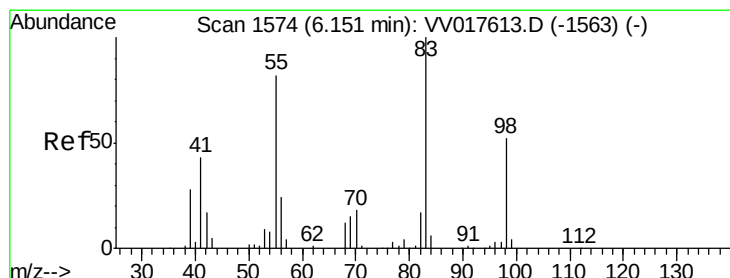
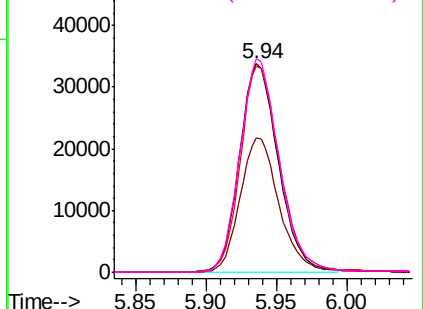
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.521 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

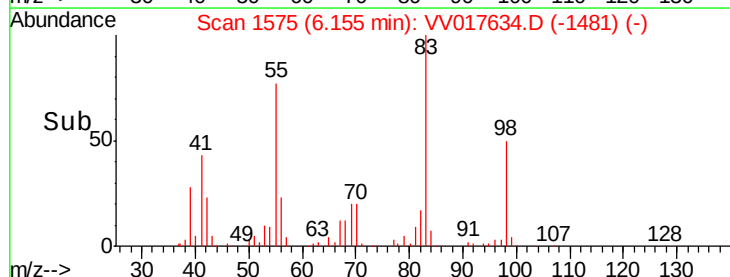
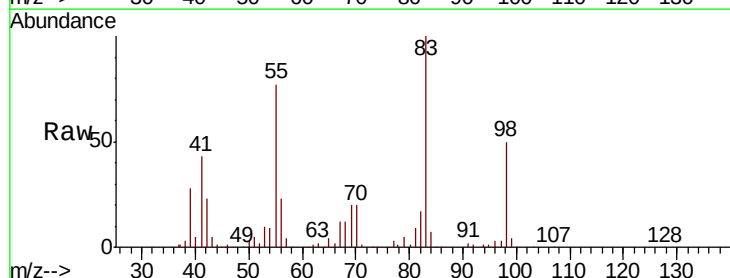
Tgt Ion: 83 Resp: 89502

Ion Ratio Lower Upper

83 100

55 78.1 61.8 92.8

98 50.5 39.0 58.6

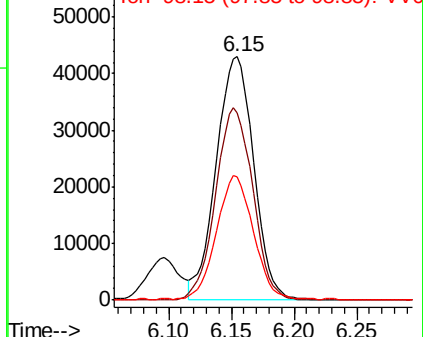


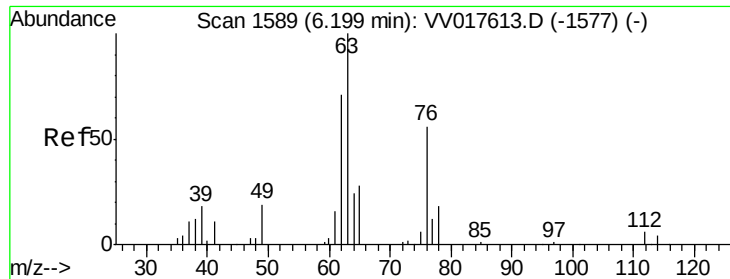
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

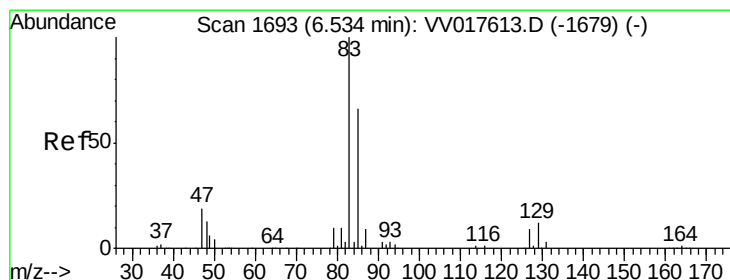
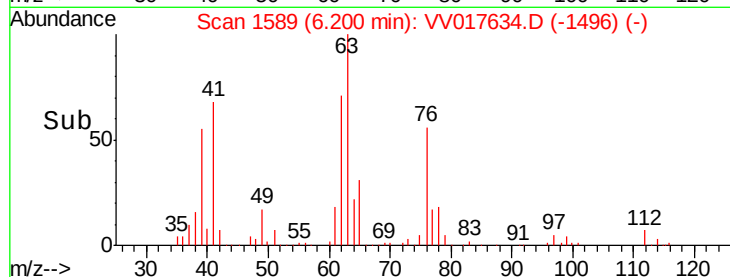
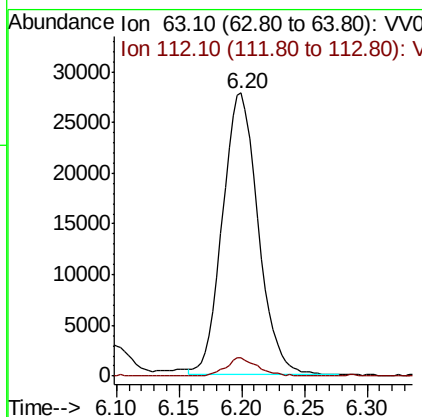
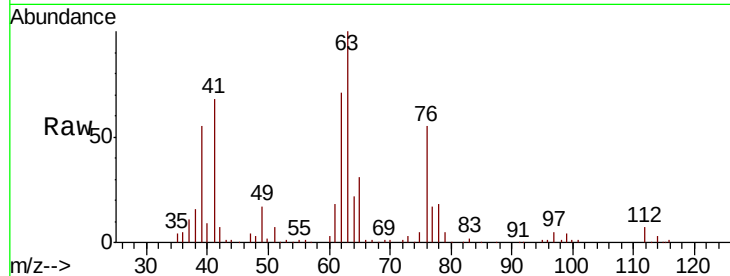




#37
 1,2-Dichloropropane
 Concen: 4.981 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

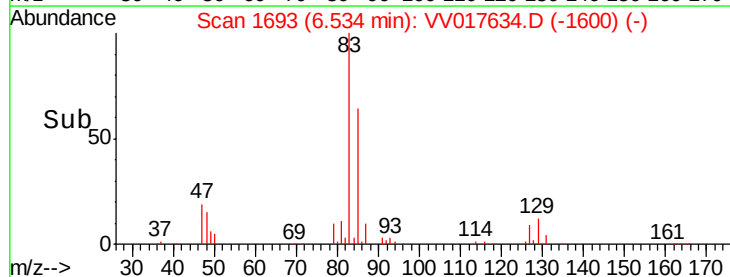
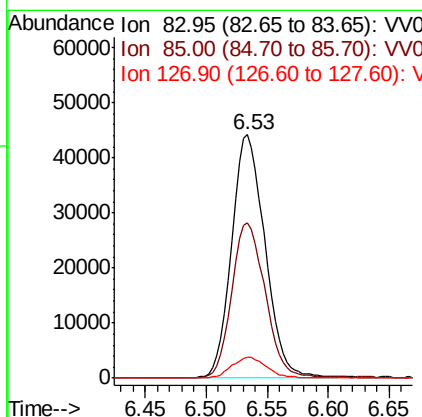
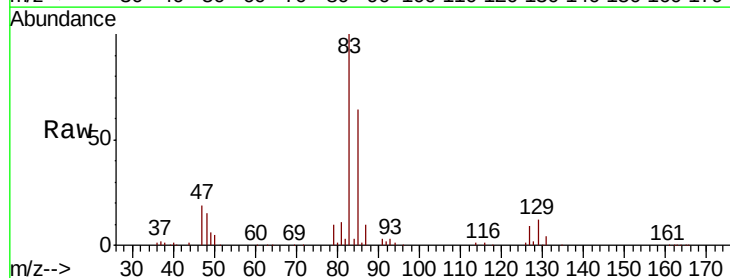
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

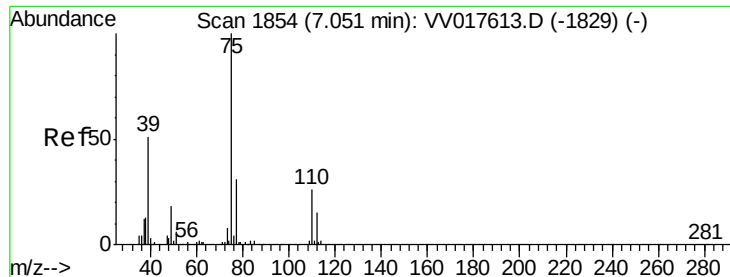
Tot Ion: 63 Resp: 54845
 Ion Ratio Lower Upper
 63 100
 112 5.8 4.5 6.7



#38
 Bromodichloromethane
 Concen: 5.194 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Tgt Ion: 83 Resp: 84133
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.7 83.1
 127 8.6 7.4 11.0

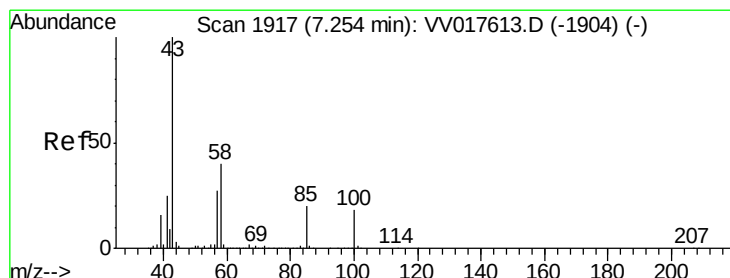
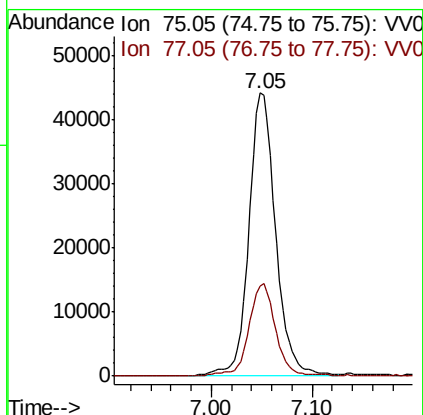
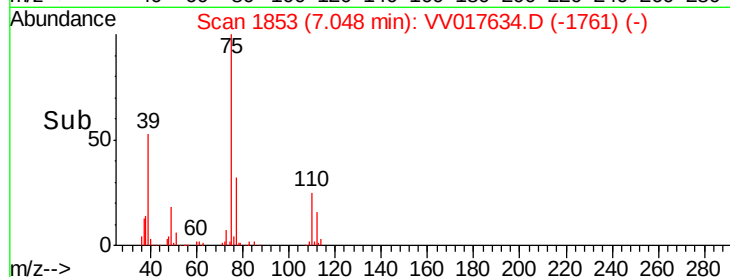
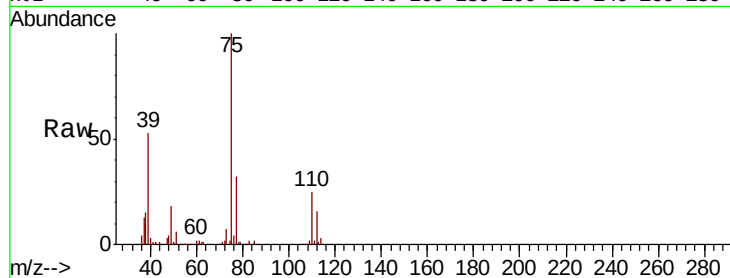




#39
 cis-1,3-Dichloropropene
 Concen: 4.870 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

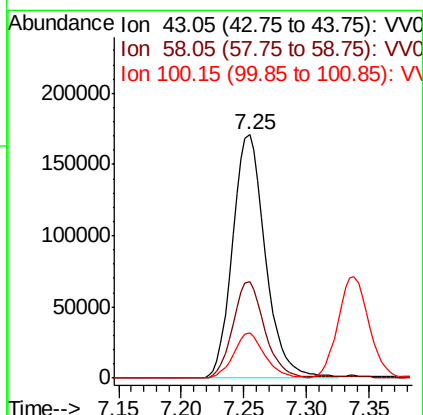
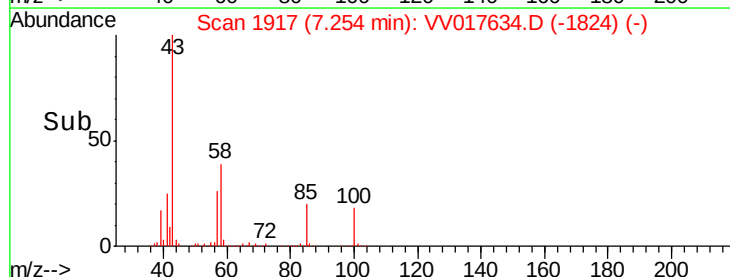
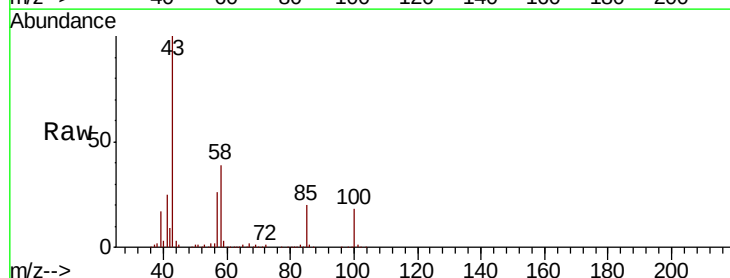
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

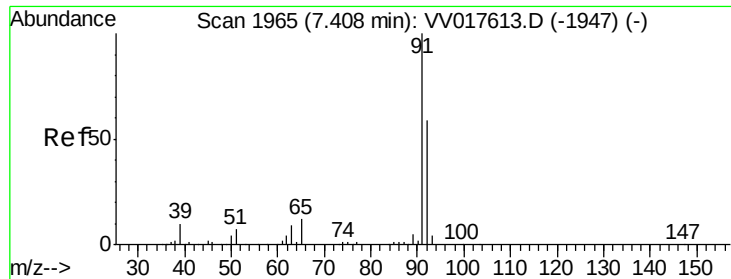
Tot Ion: 75 Resp: 80882
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 51.448 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Tgt Ion: 43 Resp: 310594
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.2 46.8
 100 17.6 13.6 20.4





#42

Toluene

Concen: 5.120 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampleId :

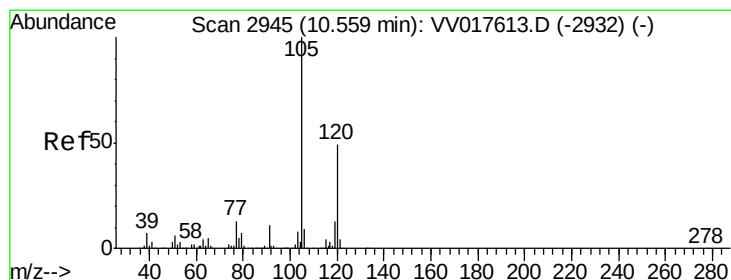
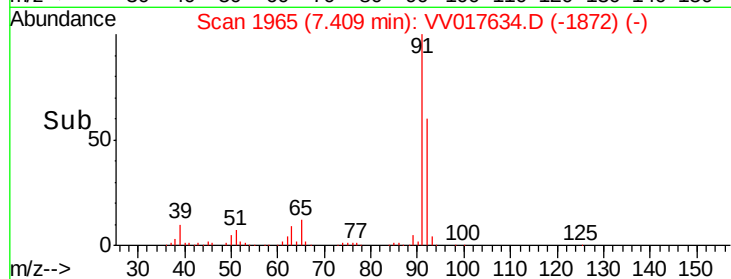
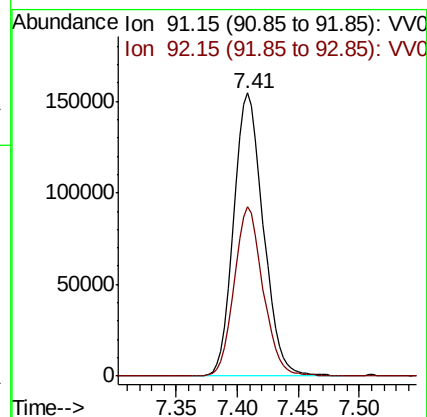
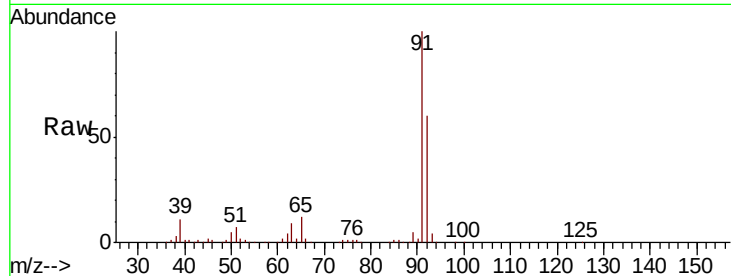
VSTD00555

Tot Ion: 91 Resp: 261694

Ion Ratio Lower Upper

91 100

92 59.9 40.8 75.8



#43

1,3,5-Trimethylbenzene

Concen: 5.238 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017634.D

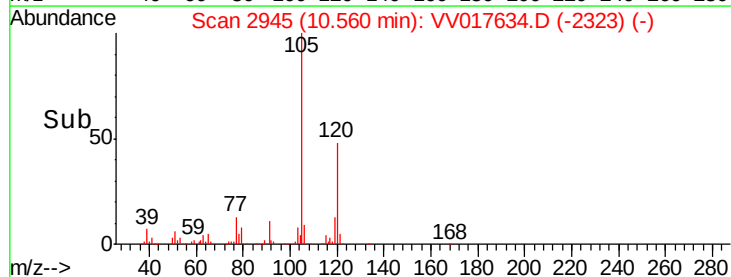
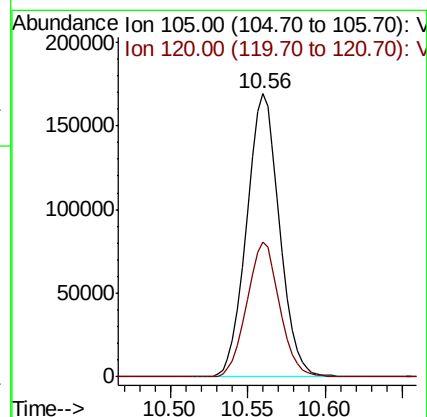
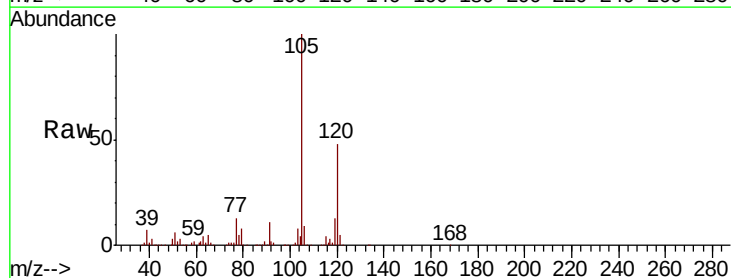
Acq: 24 Jul 2020 04:15

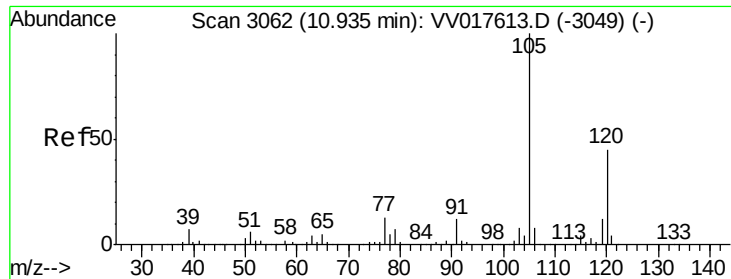
Tgt Ion: 105 Resp: 249978

Ion Ratio Lower Upper

105 100

120 47.6 39.4 59.2

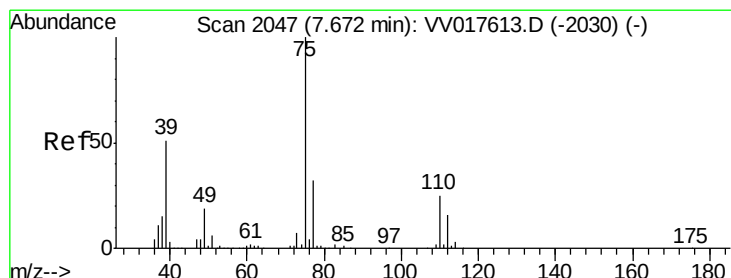
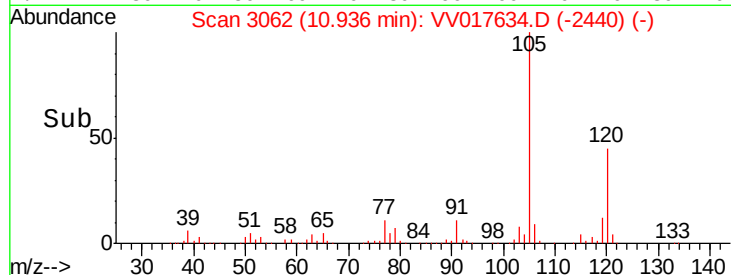
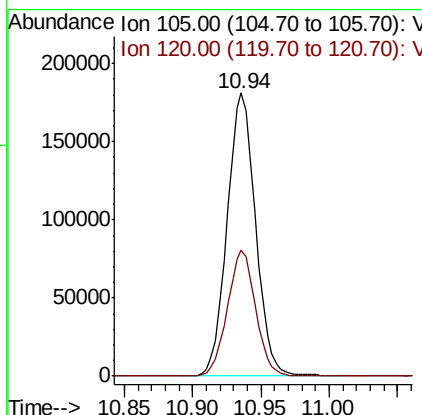
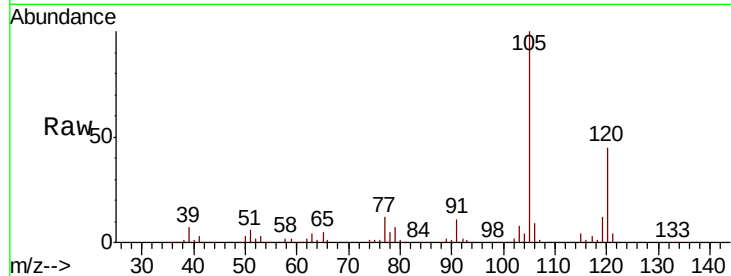




#44
 1,2,4-Trimethylbenzene
 Concen: 5.379 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

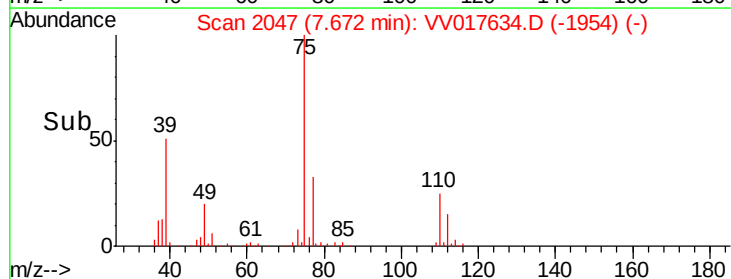
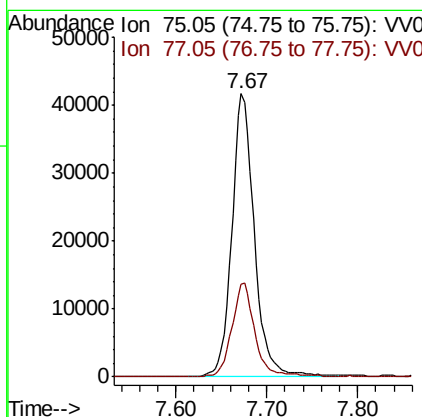
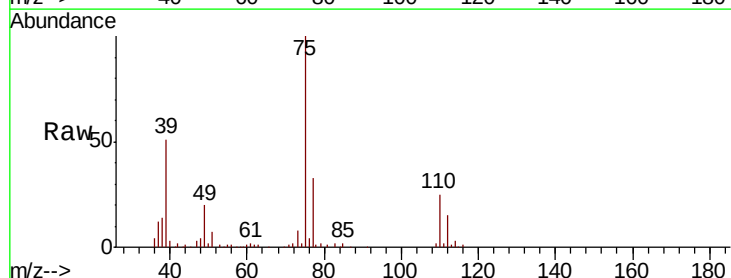
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

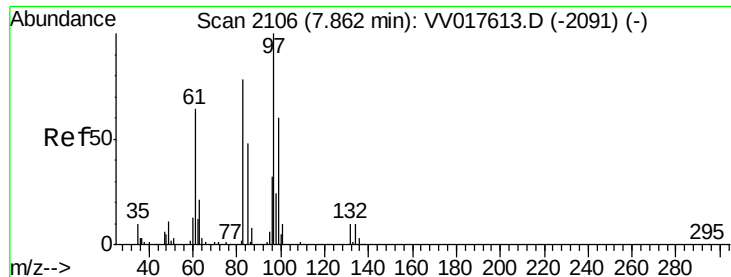
Tot Ion:105 Resp: 262259
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 4.814 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Tgt Ion: 75 Resp: 71781
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.5 41.7

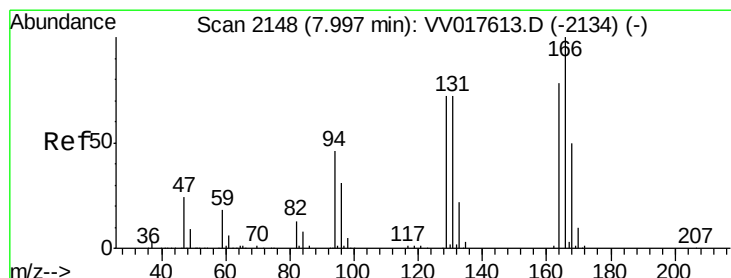
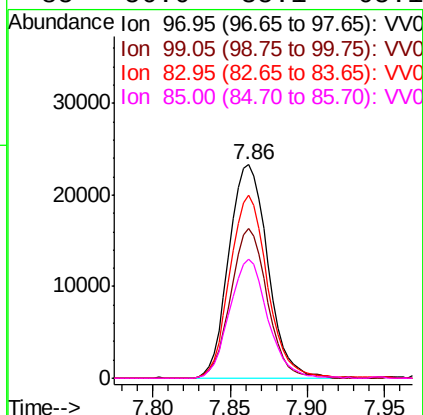
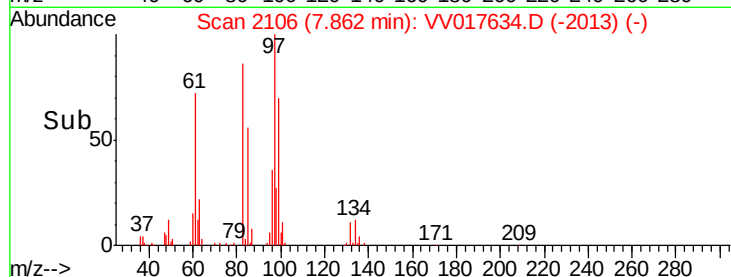
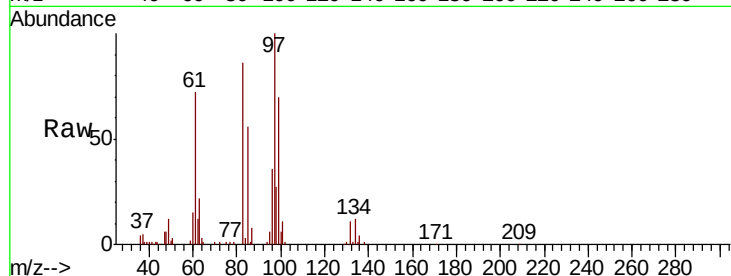




#47
 1,1,2-Trichloroethane
 Concen: 4.889 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

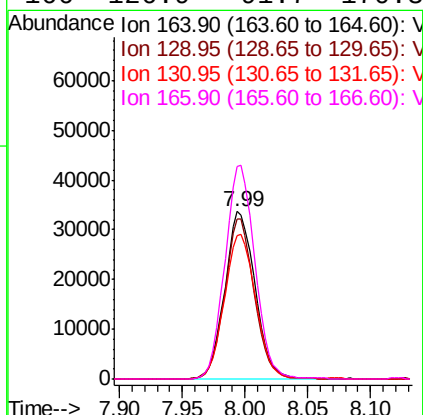
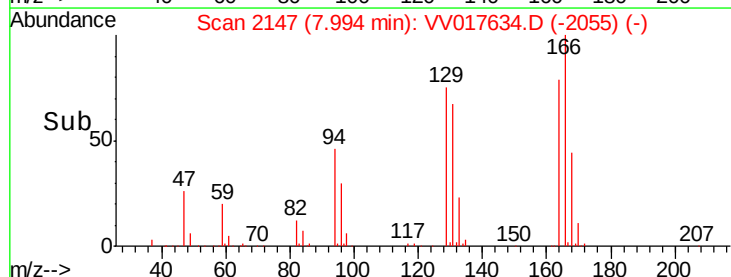
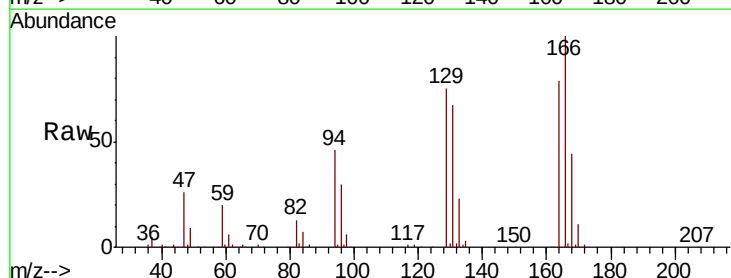
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

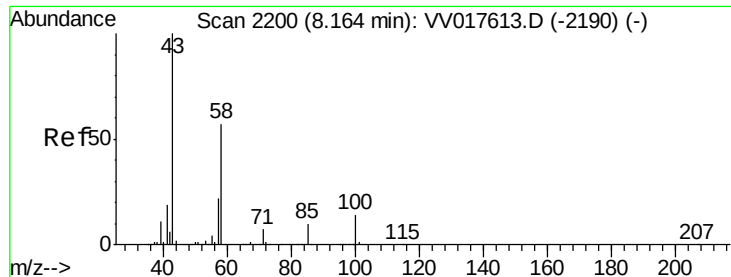
Tot Ion:	97	Resp:	40823
Ion	Ratio	Lower	Upper
97	100		
99	70.0	39.5	73.4
83	85.7	52.6	97.6
85	56.0	35.1	65.1



#49
 Tetrachloroethene
 Concen: 4.871 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Tgt Ion:	164	Resp:	56205
Ion	Ratio	Lower	Upper
164	100		
129	95.8	65.0	120.8
131	85.6	63.6	118.2
166	126.9	91.7	170.3

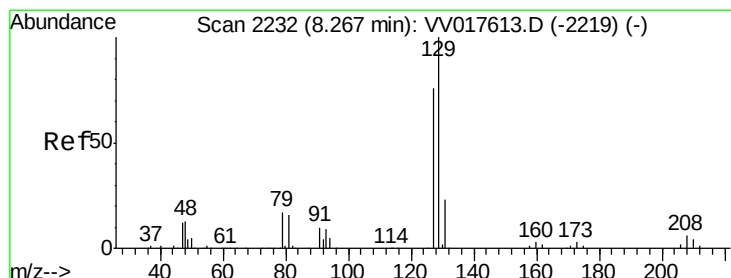
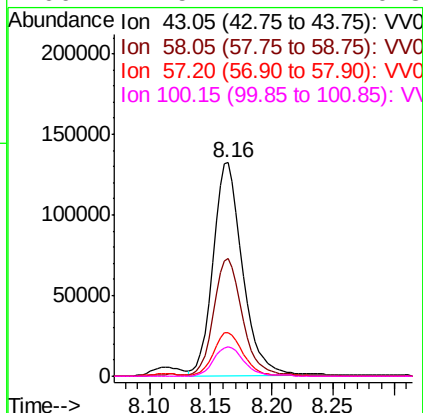
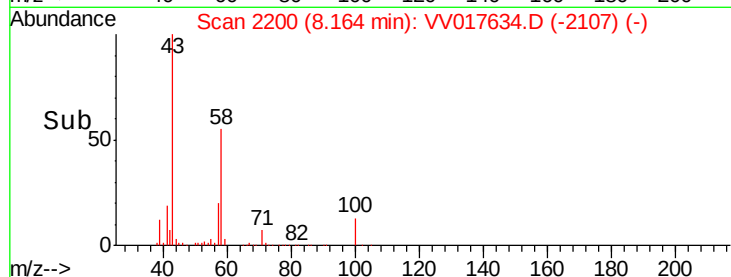
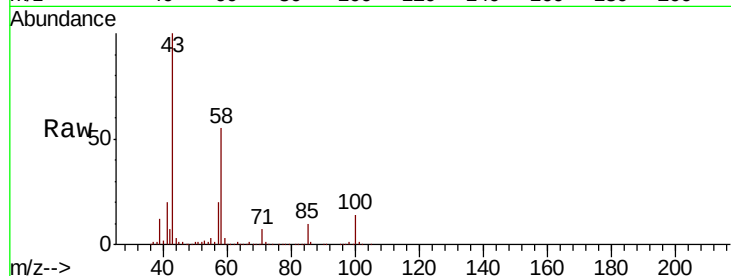




#50
2-Hexanone
Concen: 52.539 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

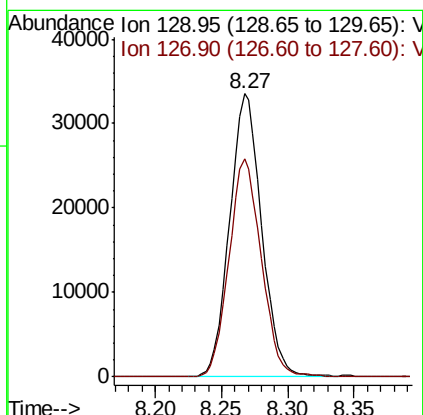
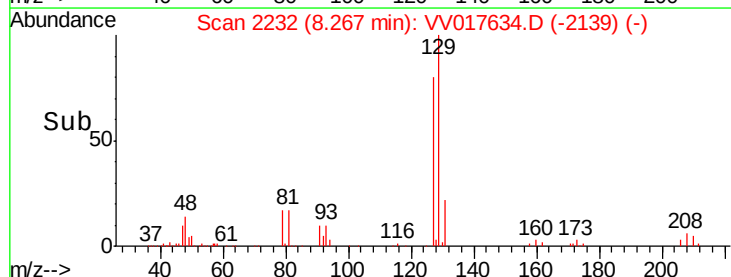
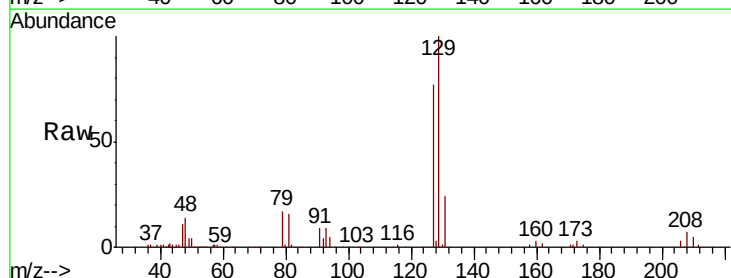
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

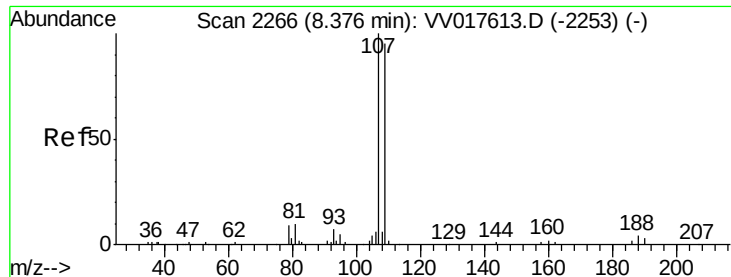
Tot Ion:	43	Resp:	224430
Ion	Ratio	Lower	Upper
43	100		
58	52.9	41.6	62.4
57	20.8	15.4	23.0
100	14.5	11.2	16.8



#51
Dibromochloromethane
Concen: 5.291 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

Tgt Ion:	129	Resp:	56229
Ion	Ratio	Lower	Upper
129	100		
127	77.2	56.3	104.5





#52

1,2-Dibromoethane

Concen: 5.034 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

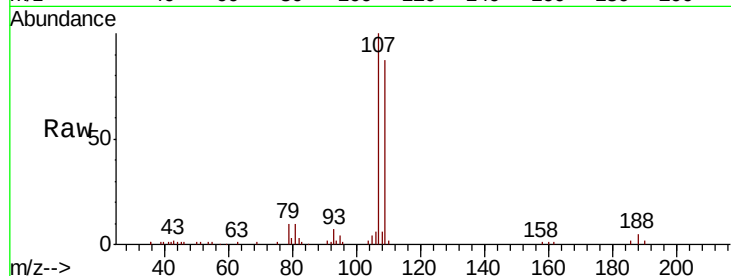
Tot Ion:107 Resp: 39666

Ion Ratio Lower Upper

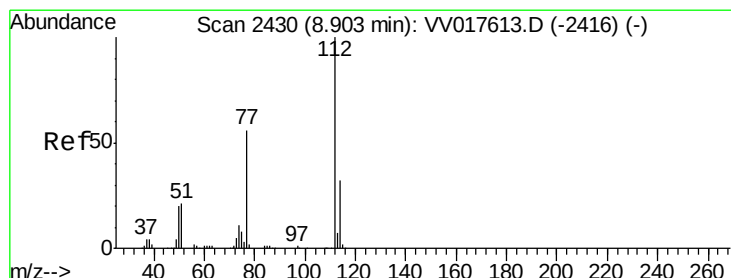
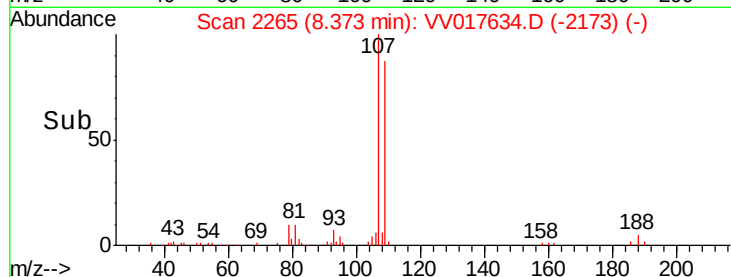
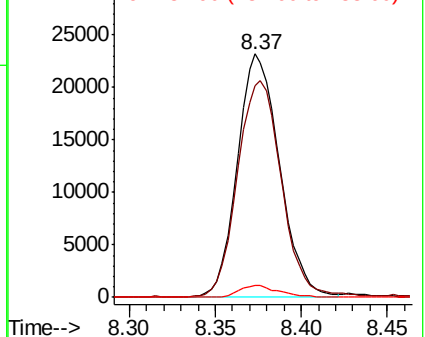
107 100

109 87.1 65.5 121.7

188 5.1 3.7 5.5



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.142 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

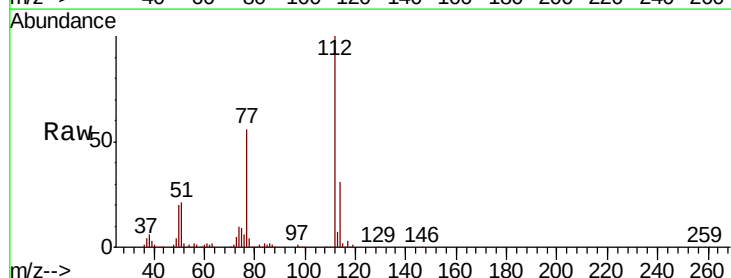
Tgt Ion:112 Resp: 175197

Ion Ratio Lower Upper

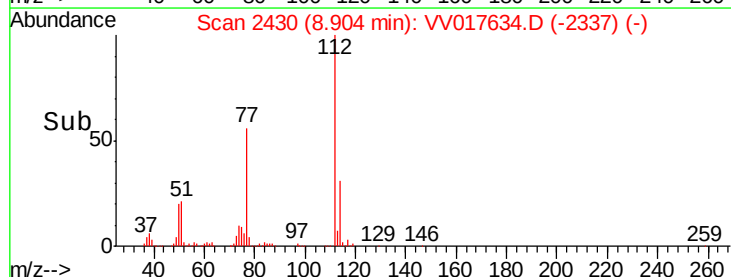
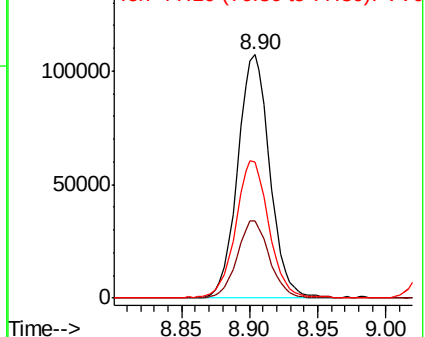
112 100

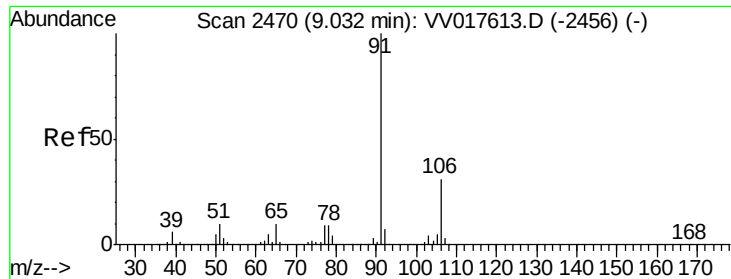
114 31.5 23.2 43.2

77 55.9 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 5.070 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampleId :

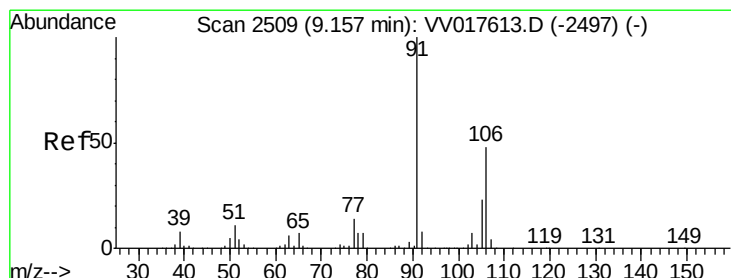
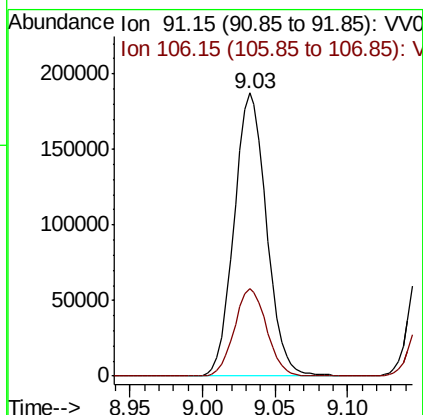
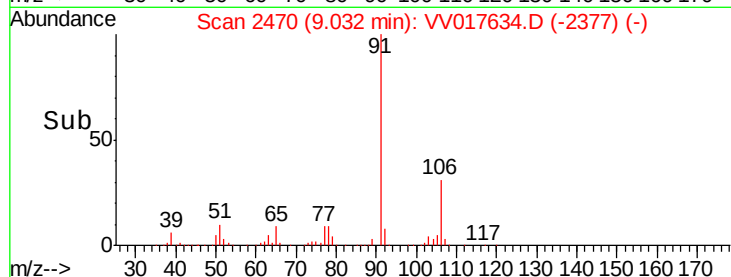
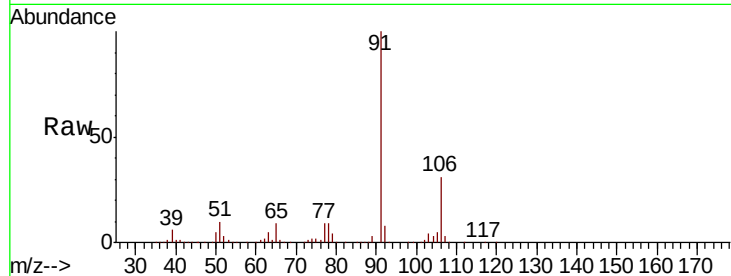
VSTD00555

Tot Ion: 91 Resp: 290107

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



#55

m,p-xylene

Concen: 5.064 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017634.D

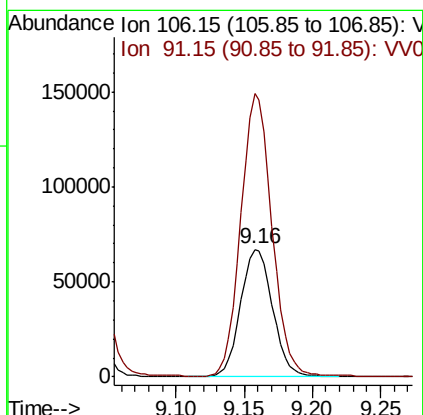
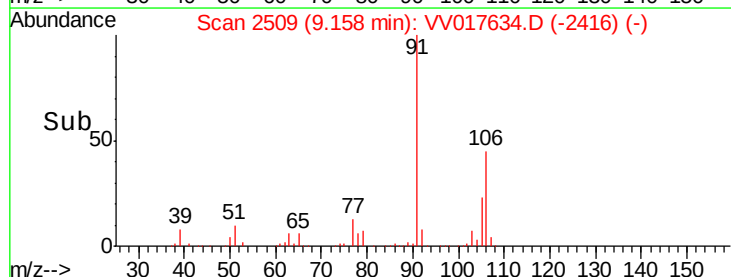
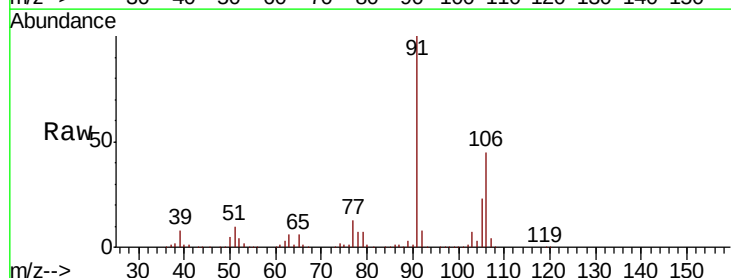
Acq: 24 Jul 2020 04:15

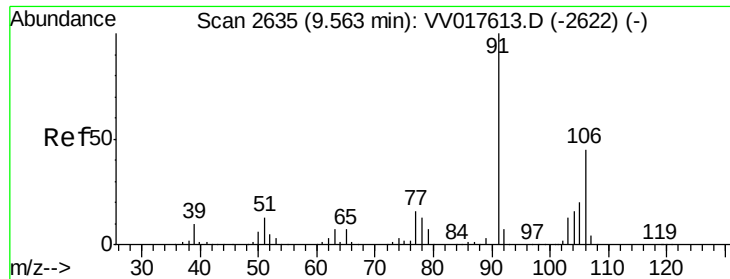
Tgt Ion: 106 Resp: 109141

Ion Ratio Lower Upper

106 100

91 221.6 141.3 262.3

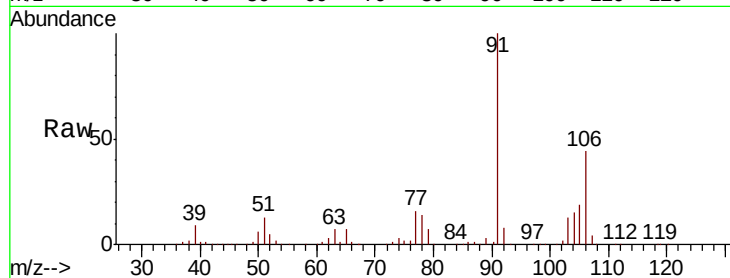




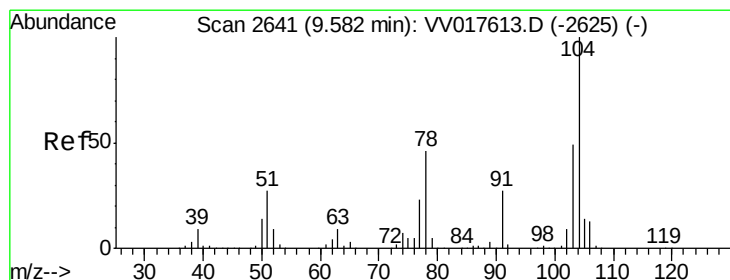
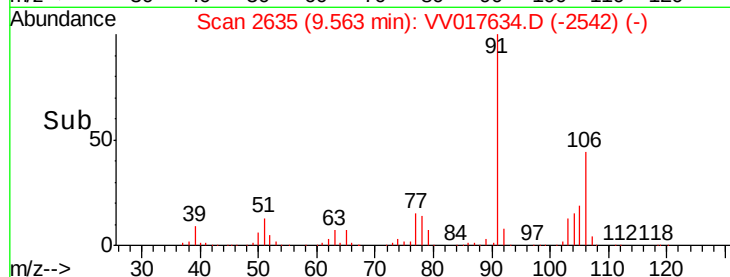
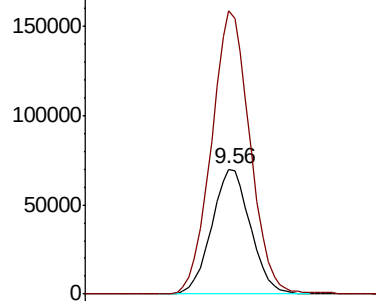
#56
o-xylene
Concen: 5.069 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tot Ion:106 Resp: 106007
Ion Ratio Lower Upper
106 100
91 226.7 153.9 285.7

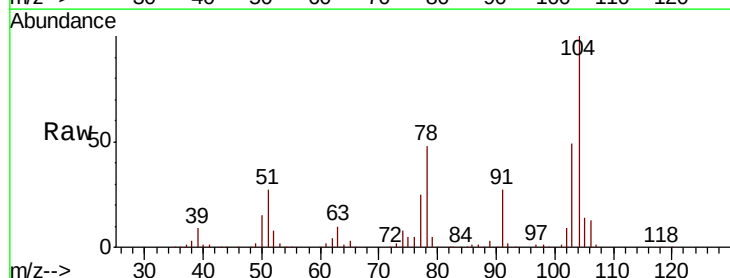


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

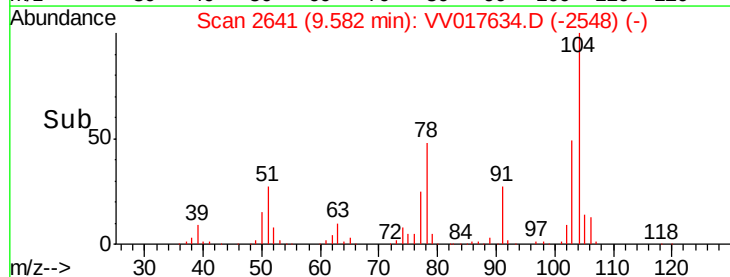
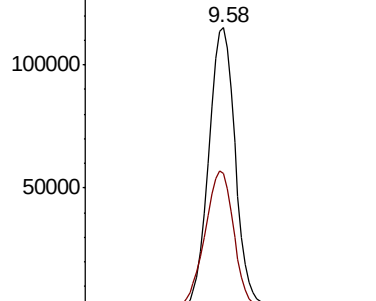


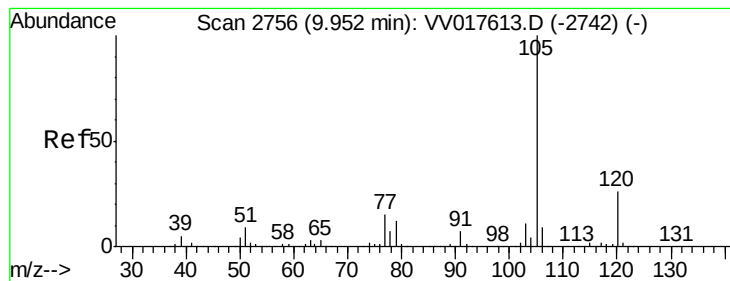
#57
Styrene
Concen: 5.361 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017634.D
Acq: 24 Jul 2020 04:15

Tgt Ion:104 Resp: 187081
Ion Ratio Lower Upper
104 100
78 48.5 34.0 63.2



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





#58

Isopropylbenzene

Concen: 5.134 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

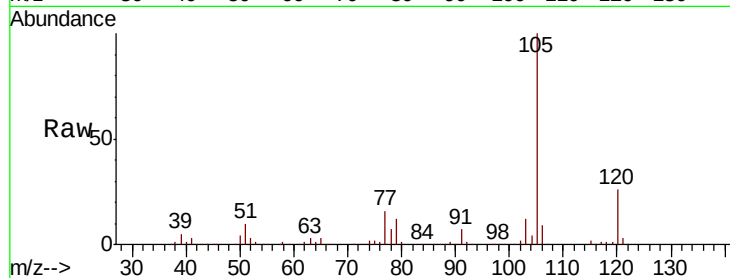
Tot Ion:105 Resp: 296192

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

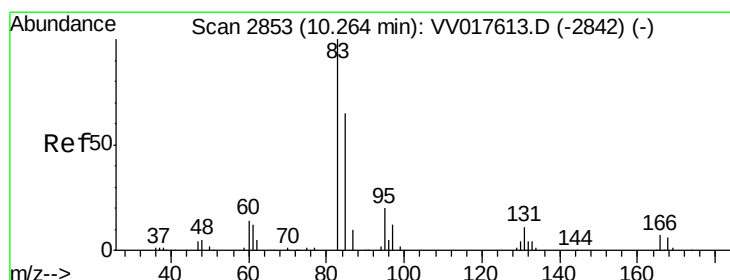
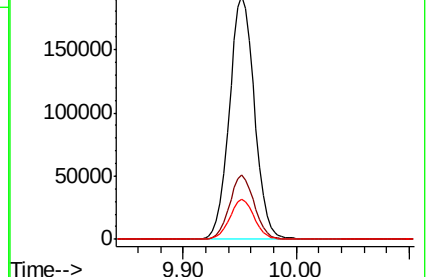
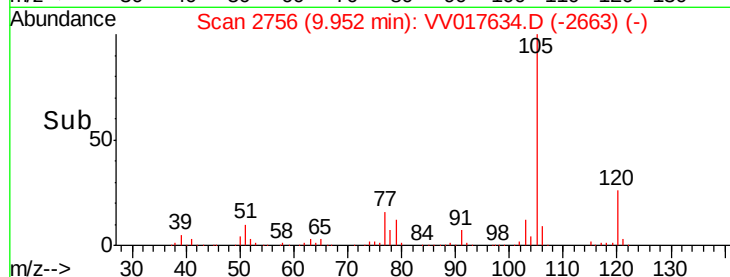
77 16.2 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.108 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

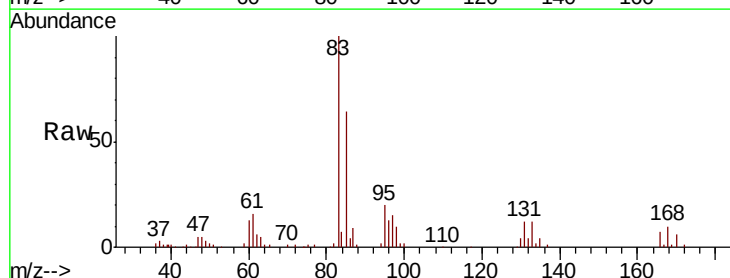
Tgt Ion: 83 Resp: 46477

Ion Ratio Lower Upper

83 100

85 64.4 44.4 82.5

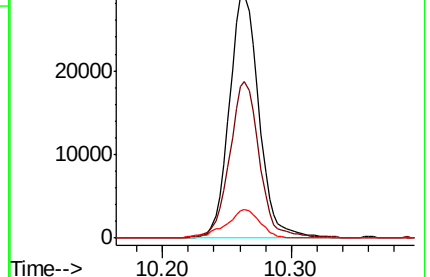
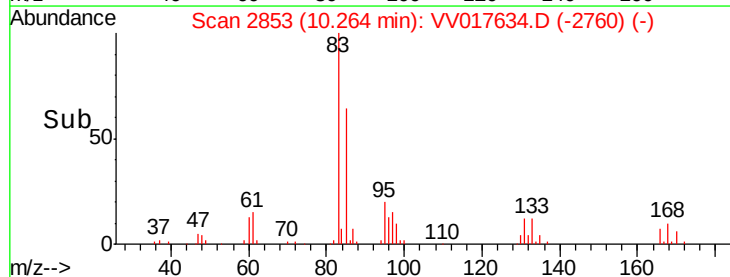
131 11.6 9.2 13.8

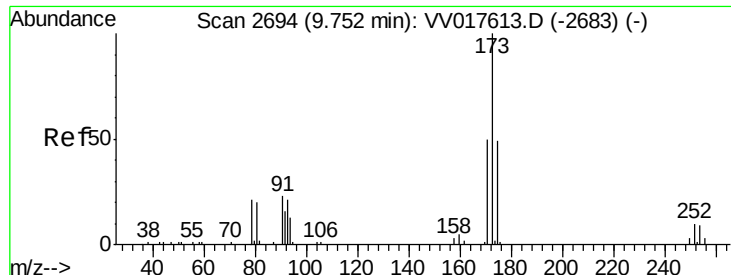


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.177 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

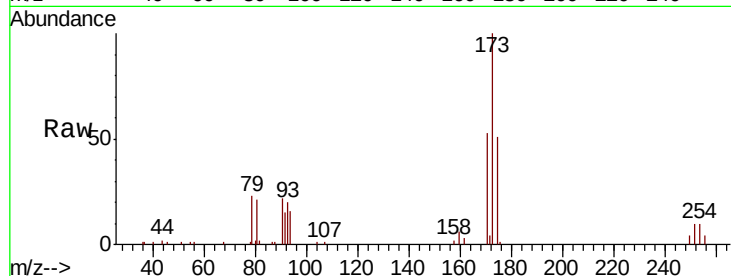
Tot Ion:173 Resp: 30788

Ion Ratio Lower Upper

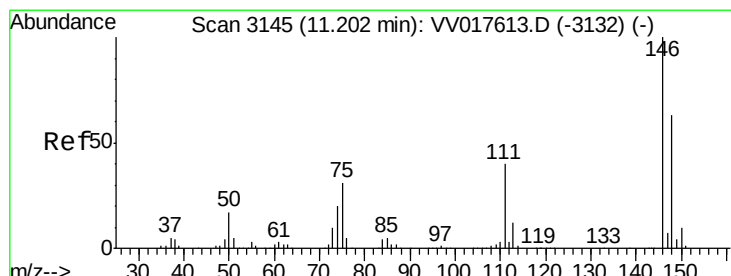
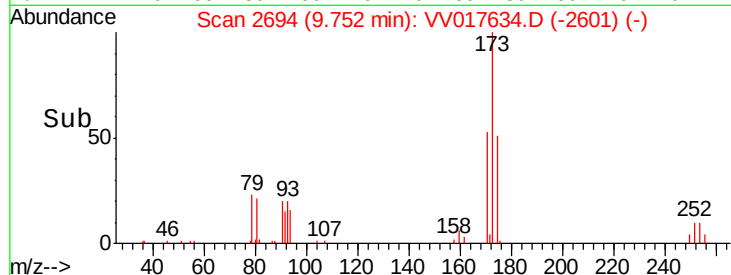
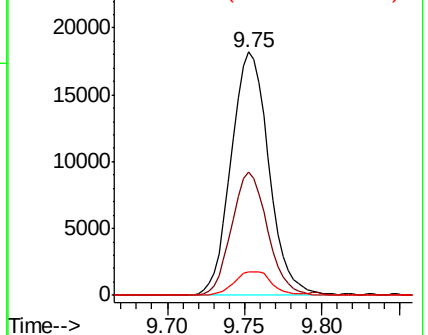
173 100

175 48.1 39.6 59.4

254 9.8 8.4 12.6



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



#63

1,3-Dichlorobenzene

Concen: 5.026 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

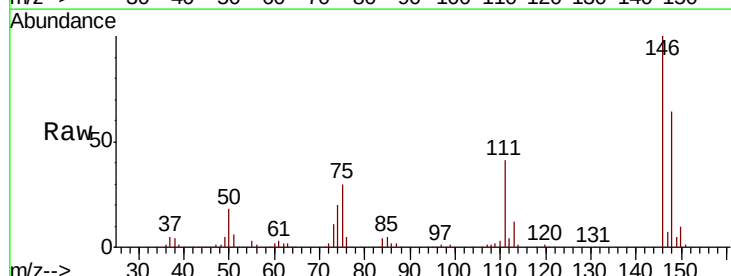
Tgt Ion:146 Resp: 150383

Ion Ratio Lower Upper

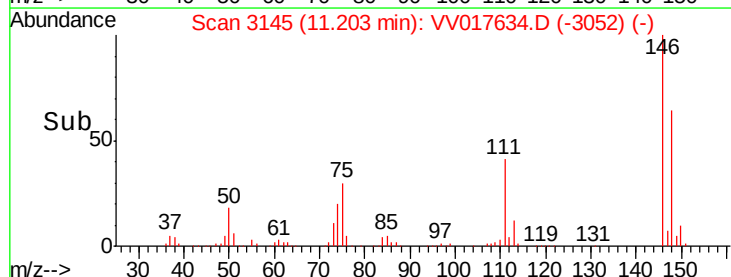
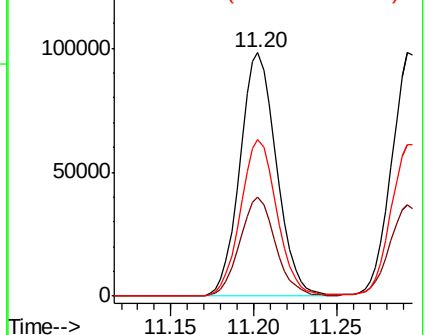
146 100

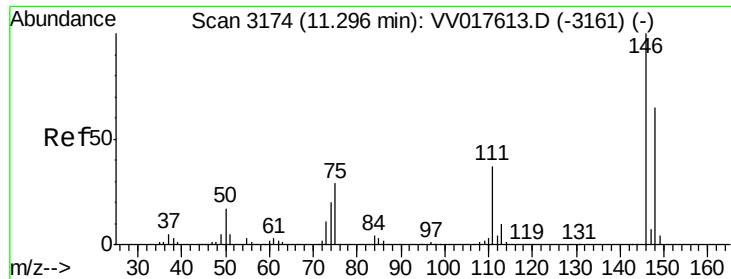
111 40.5 27.3 50.7

148 64.2 45.6 84.6



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





#64

1,4-Dichlorobenzene

Concen: 5.005 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

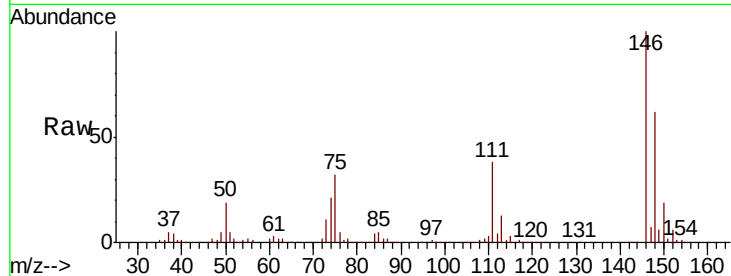
Tot Ion:146 Resp: 150263

Ion Ratio Lower Upper

146 100

111 37.8 27.4 51.0

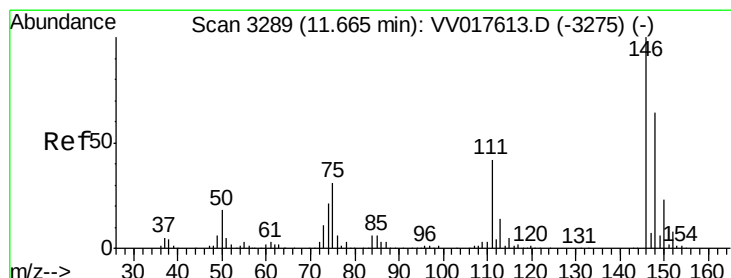
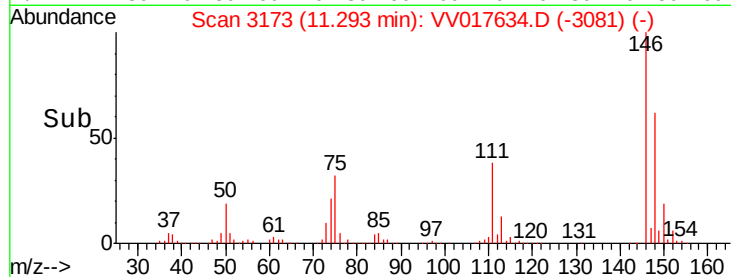
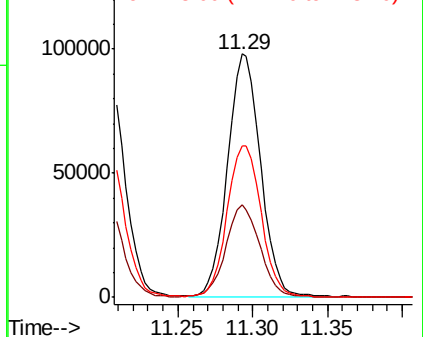
148 62.4 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.158 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017634.D

Acq: 24 Jul 2020 04:15

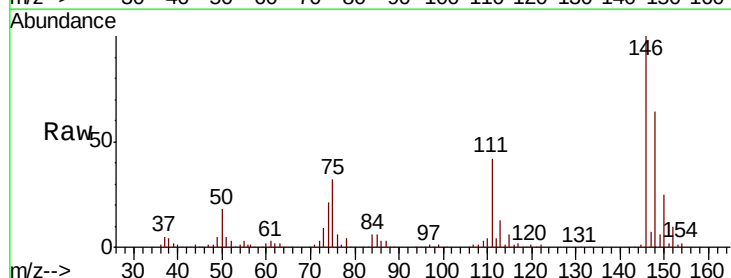
Tgt Ion:146 Resp: 140573

Ion Ratio Lower Upper

146 100

111 42.4 33.0 49.4

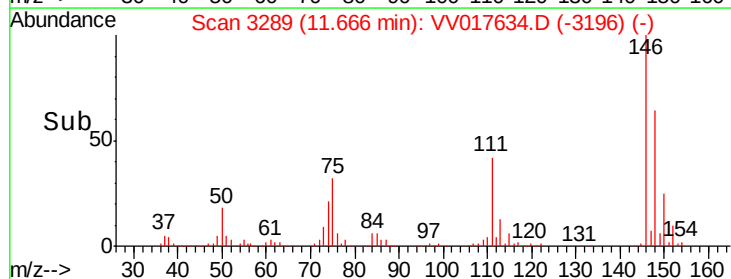
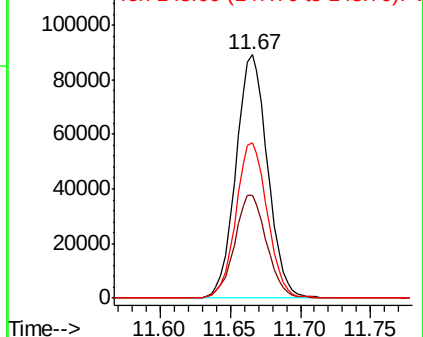
148 63.7 49.9 74.9

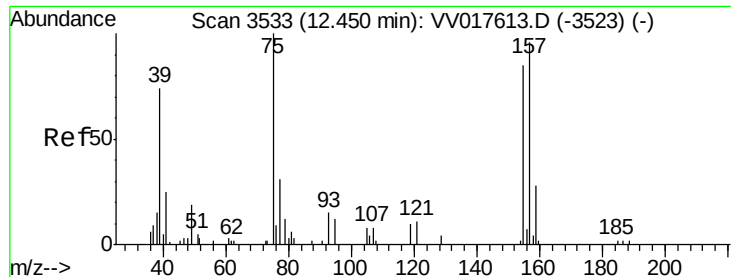


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

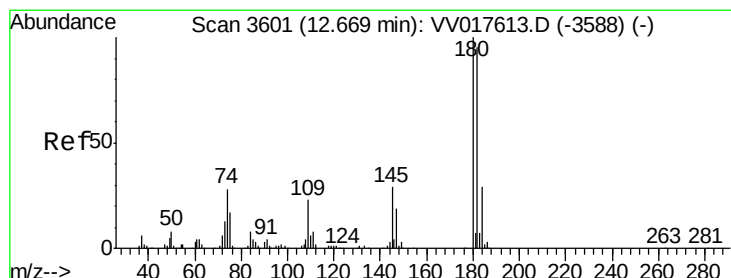
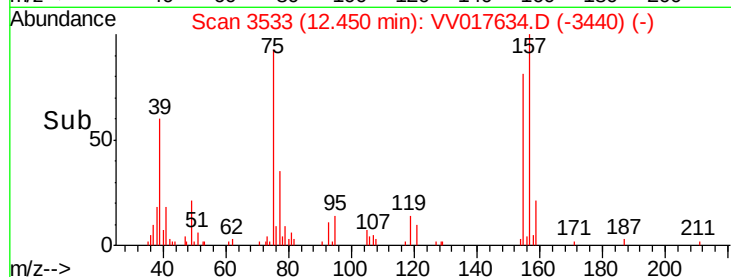
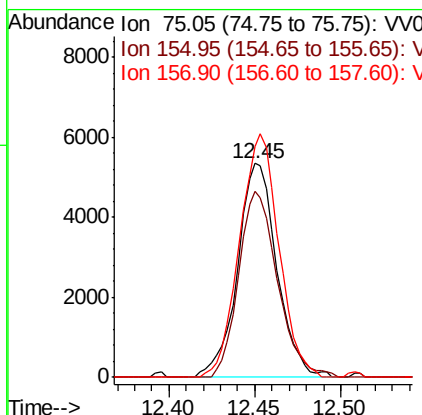
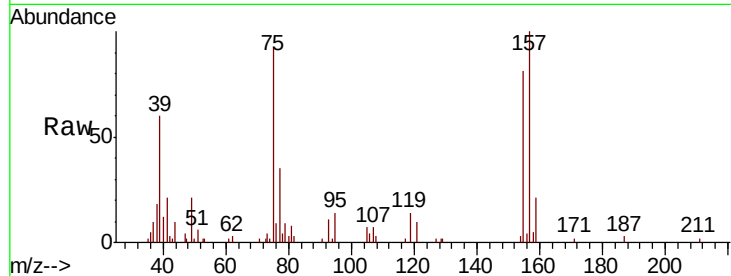




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.989 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

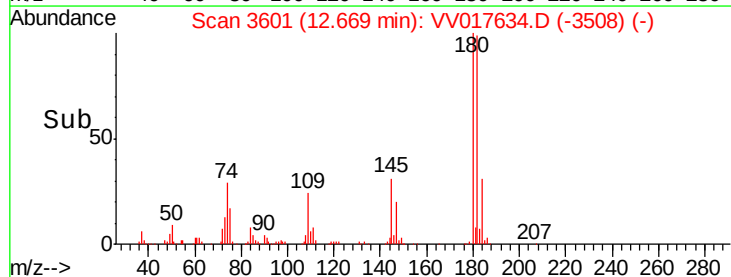
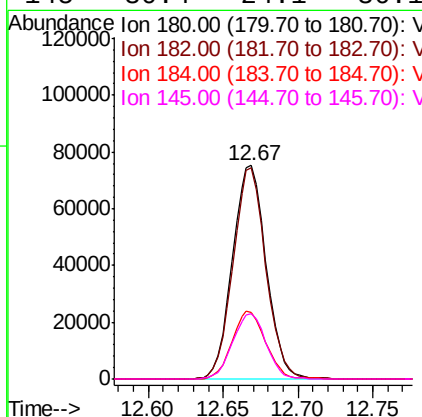
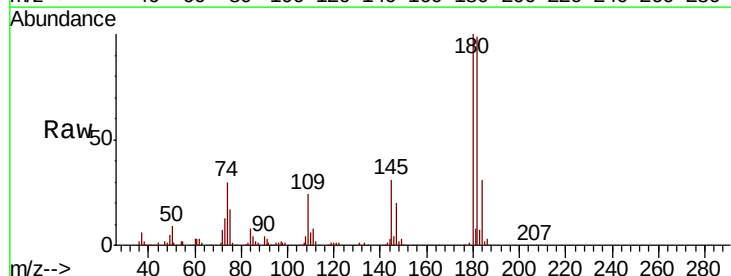
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

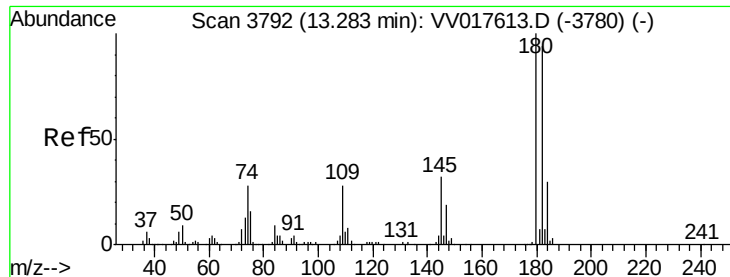
Tot Ion: 75 Resp: 8502
 Ion Ratio Lower Upper
 75 100
 155 86.6 68.7 103.1
 157 107.6 87.8 131.8



#68
 1,3,5-Trichlorobenzene
 Concen: 4.855 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Tgt Ion: 180 Resp: 118006
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.1 115.7
 184 31.5 25.2 37.8
 145 30.4 24.1 36.1

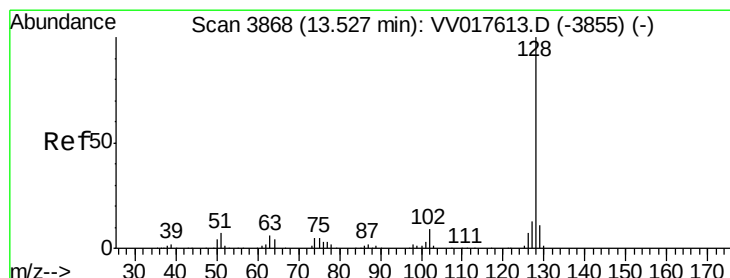
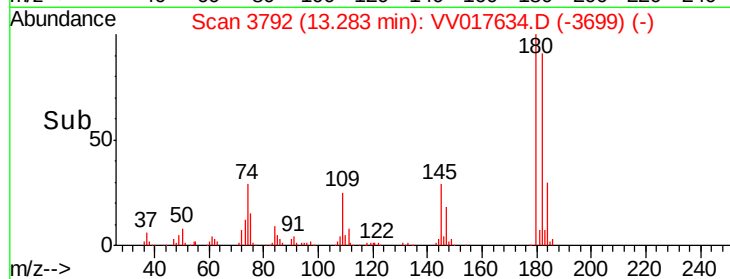
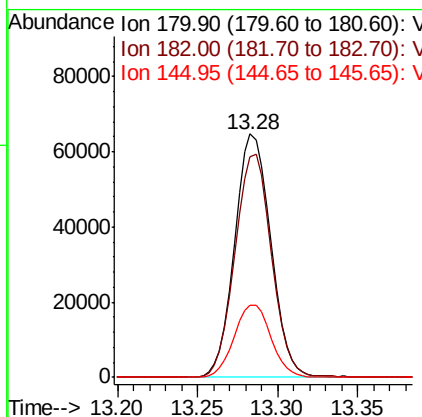
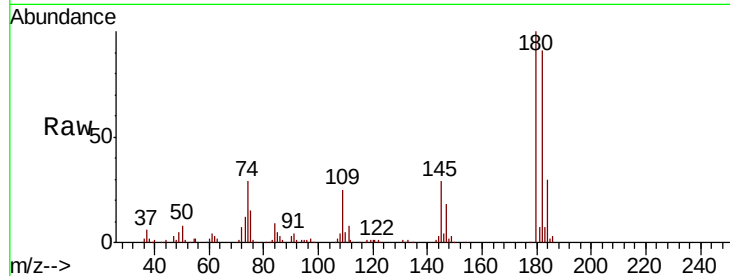




#69
 1,2,4-trichlorobenzene
 Concen: 4.888 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

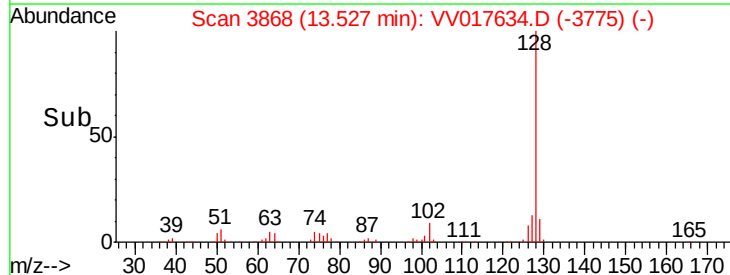
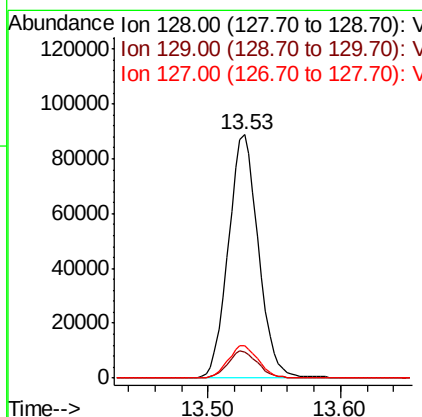
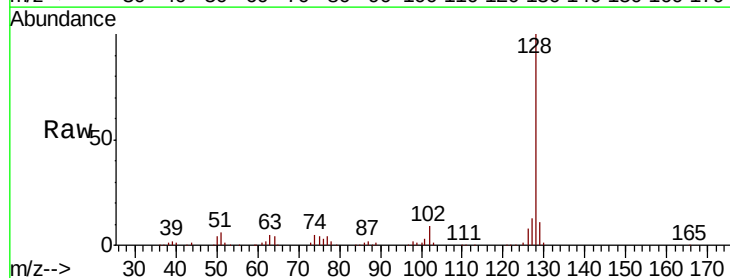
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

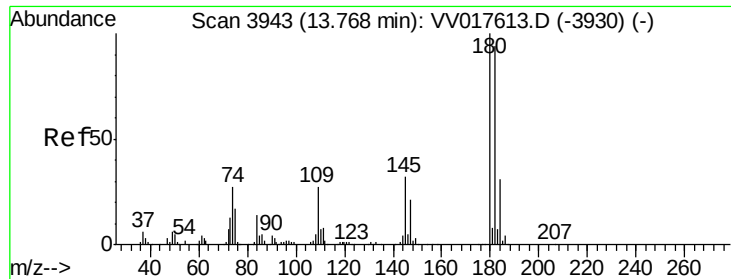
Tot Ion:180 Resp: 99374
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.4 113.2
 145 30.5 24.2 36.2



#70
 Naphthalene
 Concen: 4.932 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Tgt Ion:128 Resp: 139802
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.1 13.7
 127 13.5 11.0 16.6

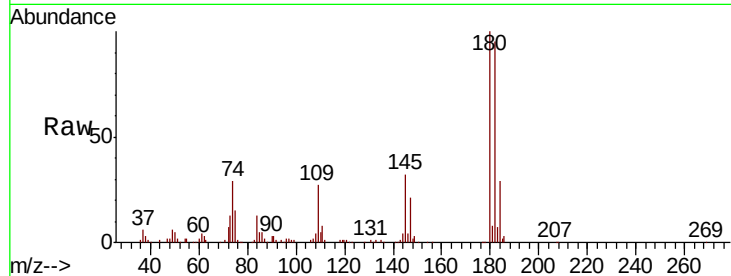




#71
 1,2,3-Trichlorobenzene
 Concen: 4.921 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017634.D
 Acq: 24 Jul 2020 04:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	74.2	111.4
145	32.5	26.0	39.0



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

