

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030222\
 Data File : VW024849.D
 Acq On : 02 Mar 2022 11:46
 Operator : SY/MD
 Sample : VSTD00502
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005202

Quant Time: Mar 03 02:35:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM030222SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 03 01:40:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	250227	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	240260	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	118438	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	16715	4.835	ug/L	0.00
7) Chloroethane-d5	1.568	69	12997	4.755	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	31509	4.869	ug/L	0.00
21) 2-Butanone-d5	3.931	46	5213	5.144	ug/L	0.03
24) Chloroform-d	4.352	84	29174	4.227	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.037	65	15964	4.211	ug/L	0.00
32) Benzene-d6	5.053	84	58905	4.441	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.072	67	18047	4.639	ug/L	0.00
41) Toluene-d8	7.317	98	53076	4.281	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.625	79	7094	4.063	ug/L	0.00
47) 2-Hexanone-d5	8.098	63	8333	11.000	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	16512	4.840	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.622	152	18856	4.228	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	25011	5.334	ug/L	100
3) Chloromethane	1.243	50	23171	5.483	ug/L	97
5) Vinyl chloride	1.311	62	23878	5.827	ug/L	99
6) Bromomethane	1.523	94	14854	5.468	ug/L	98
8) Chloroethane	1.584	64	14731	5.885	ug/L	95
9) Trichlorofluoromethane	1.751	101	32604	5.185	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	19217	5.751	ug/L	96
12) 1,1-Dichloroethene	2.118	96	18392	5.896	ug/L #	64
13) Acetone	2.185	43	10244	10.132	ug/L	95
14) Carbon disulfide	2.294	76	61437	5.489	ug/L	98
15) Methyl Acetate	2.439	43	11801	7.646	ug/L	99
16) Methylene chloride	2.507	84	23946	5.100	ug/L	97
17) trans-1,2-Dichloroethene	2.761	96	20477	5.509	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	50413	5.973	ug/L	99
19) 1,1-Dichloroethane	3.188	63	36715	5.996	ug/L	93
20) cis-1,2-Dichloroethene	3.918	96	21195	5.608	ug/L	97
22) 2-Butanone	4.005	43	3692	3.499	ug/L #	59
23) Bromochloromethane	4.253	128	9980	5.306	ug/L	95
25) Chloroform	4.375	83	35384	5.311	ug/L	100
27) 1,2-Dichloroethane	5.134	62	22477	5.263	ug/L	98
29) Cyclohexane	4.677	56	33720	6.314	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	31713	5.365	ug/L	99
31) Carbon tetrachloride	4.825	117	26920	5.098	ug/L	100
33) Benzene	5.101	78	80487	5.791	ug/L	100
34) Trichloroethene	5.915	95	23215	6.029	ug/L	96
35) Methylcyclohexane	6.130	83	38365	6.342	ug/L	98
37) 1,2-Dichloropropane	6.175	63	18950	5.842	ug/L #	95
38) Bromodichloromethane	6.510	83	25214	5.431	ug/L	96
39) cis-1,3-Dichloropropene	7.031	75	28073	5.493	ug/L	99
40) 4-Methyl-2-pentanone	7.233	43	31243	14.790	ug/L	98
42) Toluene	7.387	91	83218	5.541	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	23777	5.111	ug/L	98

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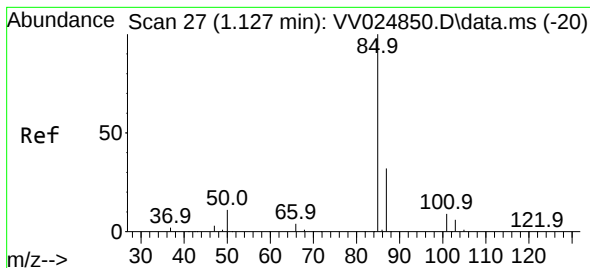
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005202

Quant Time: Mar 03 02:35:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM030222SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 03 01:40:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.841	97	17447	6.178	ug/L	96
46) Tetrachloroethene	7.976	164	14949	4.591	ug/L	98
48) 2-Hexanone	8.146	43	19852	12.748	ug/L	93
49) Dibromochloromethane	8.246	129	17318	4.938	ug/L	98
50) 1,2-Dibromoethane	8.355	107	17217	6.170	ug/L #	97
51) Chlorobenzene	8.879	112	55433	5.441	ug/L	99
52) Ethylbenzene	9.011	91	90360	5.583	ug/L	97
53) m,p-Xylene	9.140	106	34615	5.434	ug/L	95
54) o-Xylene	9.542	106	31897	5.279	ug/L	98
55) Styrene	9.561	104	54862	5.282	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	19825	6.228	ug/L	99
59) Bromoform	9.731	173	8837	4.741	ug/L	99
60) Isopropylbenzene	9.931	105	88421	6.118	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	17959	8.067	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	71520	5.940	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	70142	5.675	ug/L	100
64) 1,3-Dichlorobenzene	11.182	146	40829	5.470	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	42056	5.537	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	38074	5.557	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	3287	6.224	ug/L	99
69) 1,3,5-Trichlorobenzene	12.645	180	29261	5.064	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	25563	5.367	ug/L	98
71) Naphthalene	13.500	128	60860	6.698	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	23901	5.546	ug/L	99

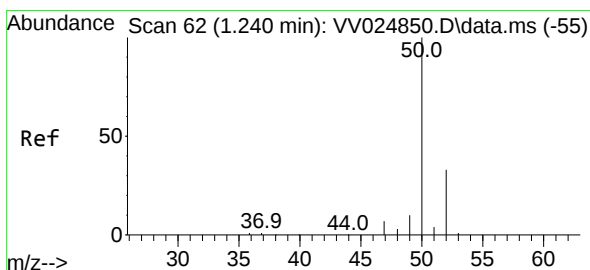
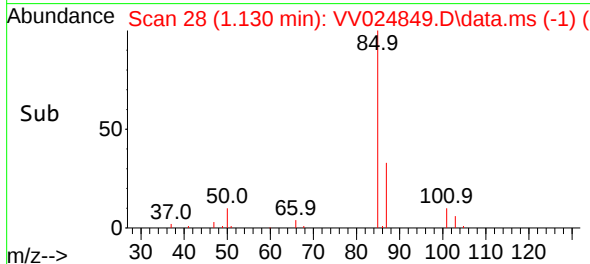
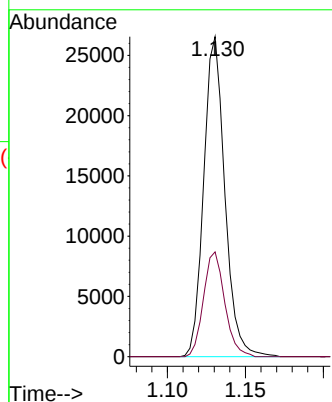
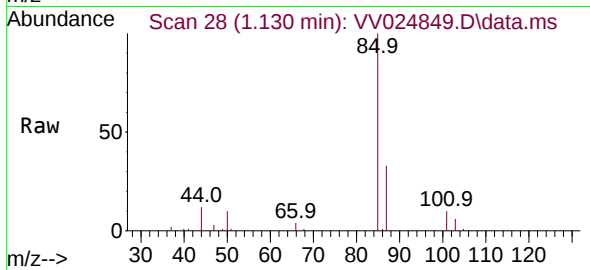
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.334 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. 0.003 min
 Lab File: VV024849.D
 Acq: 02 Mar 2022 11:46

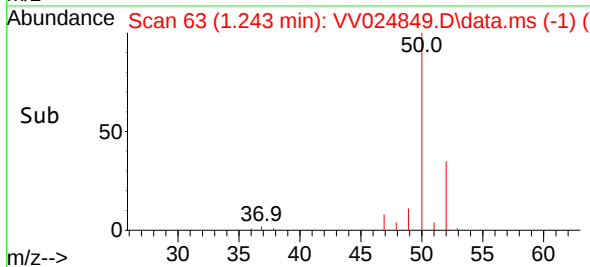
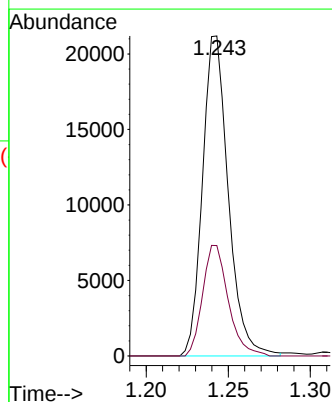
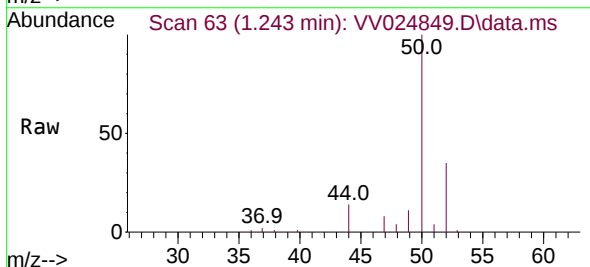
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005202

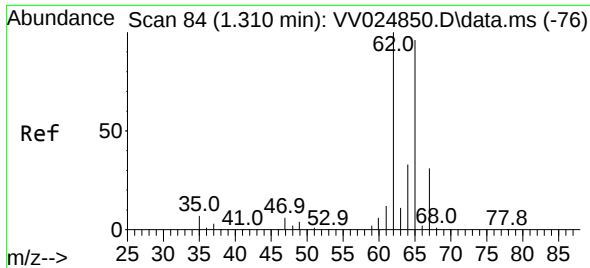
Tgt Ion: 85 Resp: 25011
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.2 39.4



#3
 Chloromethane
 Concen: 5.483 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV024849.D
 Acq: 02 Mar 2022 11:46

Tgt Ion: 50 Resp: 23171
 Ion Ratio Lower Upper
 50 100
 52 34.5 22.9 42.5

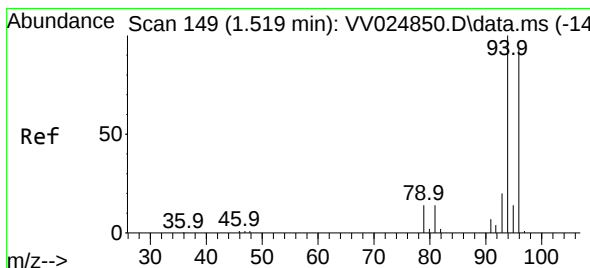
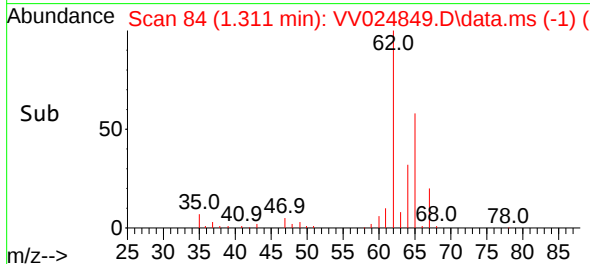
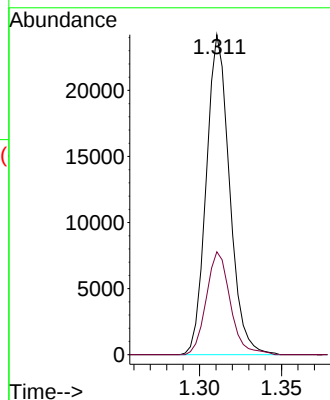
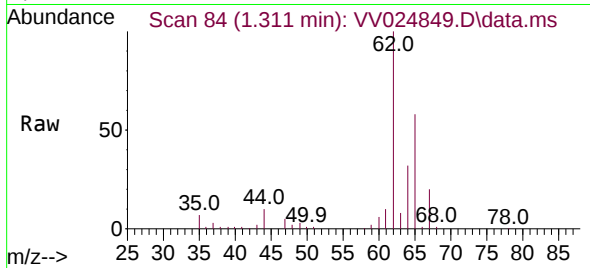




#5
 Vinyl chloride
 Concen: 5.827 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV024849.D
 Acq: 02 Mar 2022 11:46

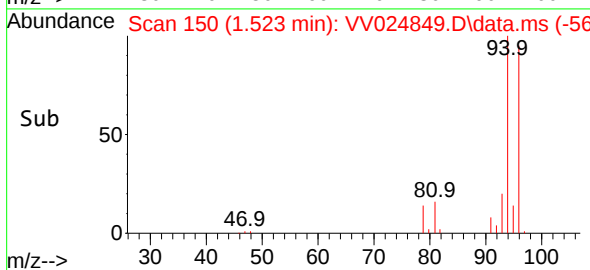
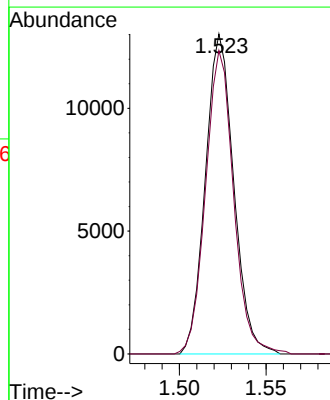
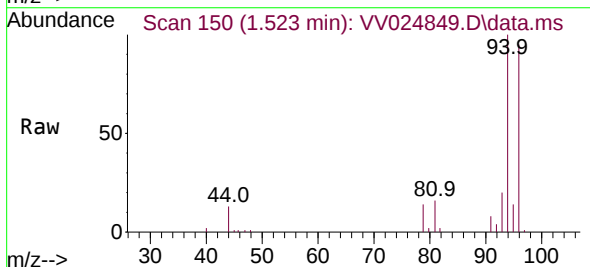
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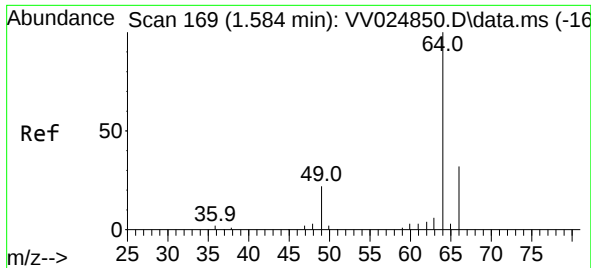
Tgt Ion: 62 Resp: 23878
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.0 42.8



#6
 Bromomethane
 Concen: 5.468 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV024849.D
 Acq: 02 Mar 2022 11:46

Tgt Ion: 94 Resp: 14854
 Ion Ratio Lower Upper
 94 100
 96 94.8 64.9 120.5

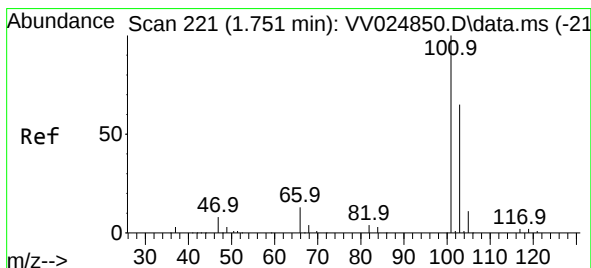
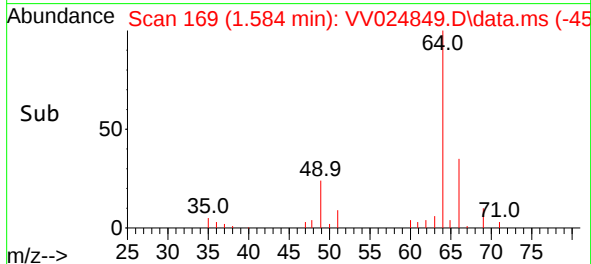
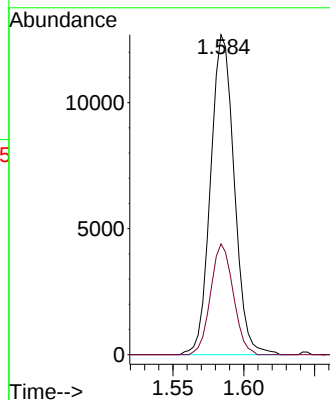
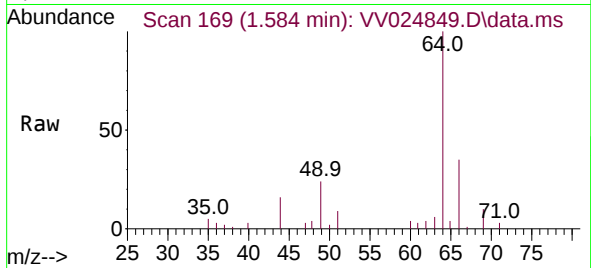




#8
Chloroethane
Concen: 5.885 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

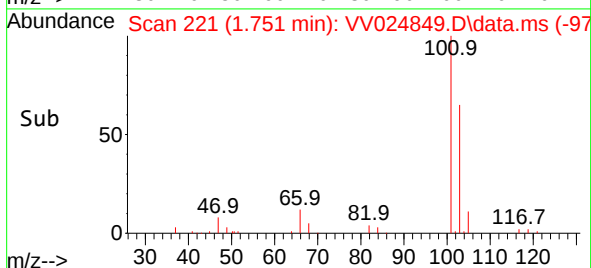
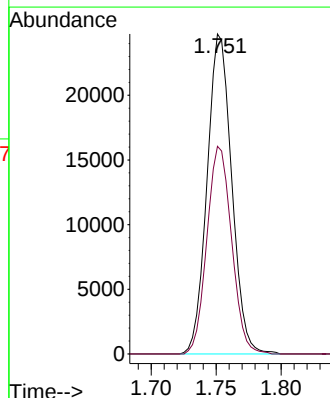
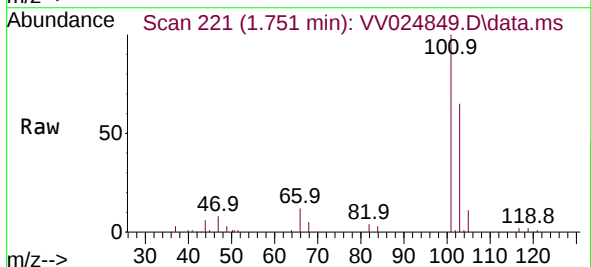
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

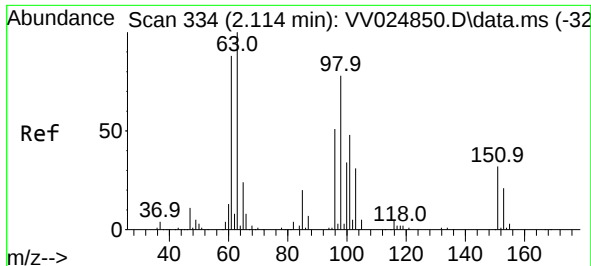
Tgt Ion: 64 Resp: 14731
Ion Ratio Lower Upper
64 100
66 34.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.185 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion:101 Resp: 32604
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8





#10

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

Concen: 5.751 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005202

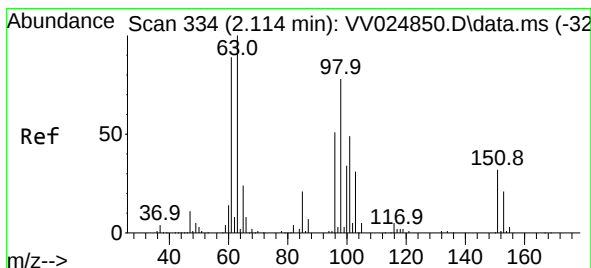
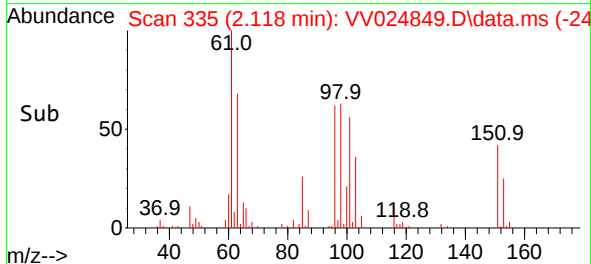
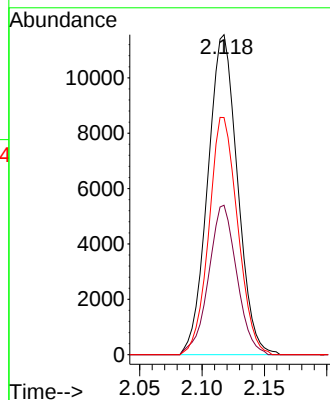
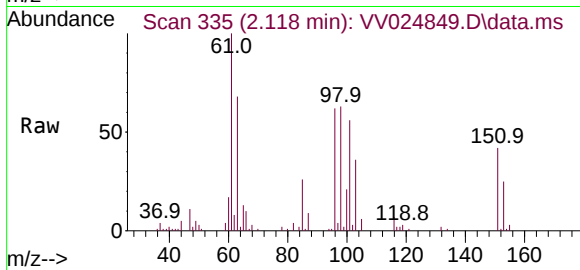
Tgt Ion:101 Resp: 19217

Ion Ratio Lower Upper

101 100

85 44.2 33.8 50.6

151 71.8 54.1 81.1



#12

1,1-Dichloroethene

Concen: 5.896 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

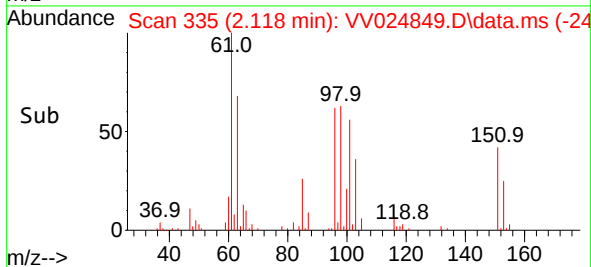
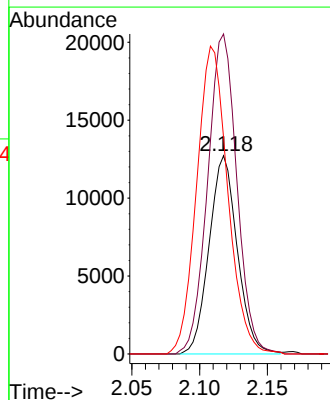
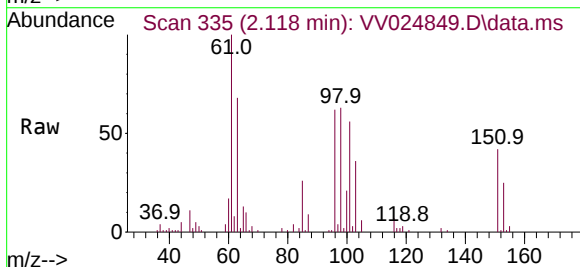
Tgt Ion: 96 Resp: 18392

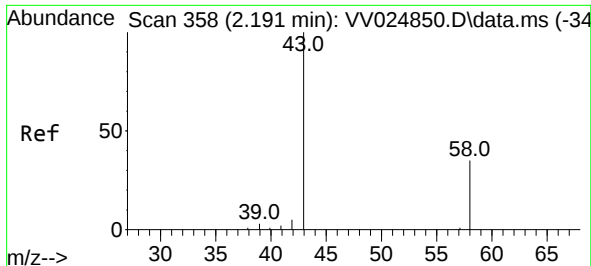
Ion Ratio Lower Upper

96 100

61 161.4 122.1 226.7

63 109.2 139.5 259.1#





#13

Acetone

Concen: 10.132 ug/L

RT: 2.185 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

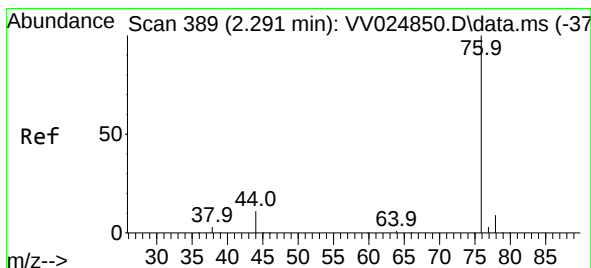
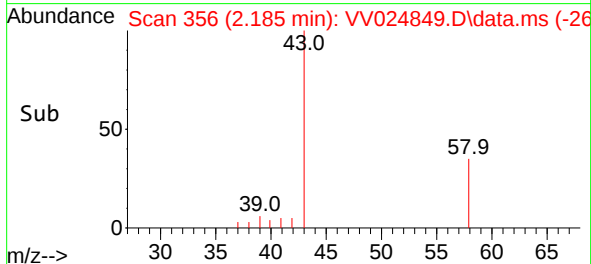
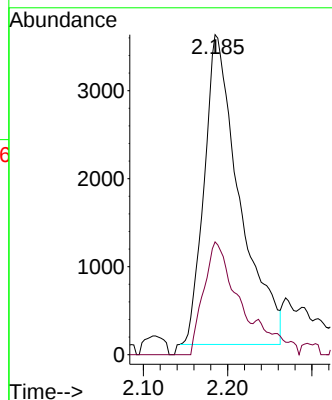
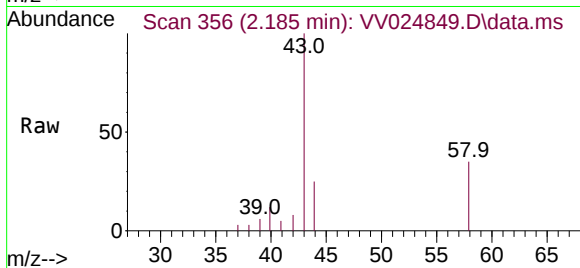
VSTD005202

Tgt Ion: 43 Resp: 10244

Ion Ratio Lower Upper

43 100

58 32.4 0.0 70.0



#14

Carbon disulfide

Concen: 5.489 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV024849.D

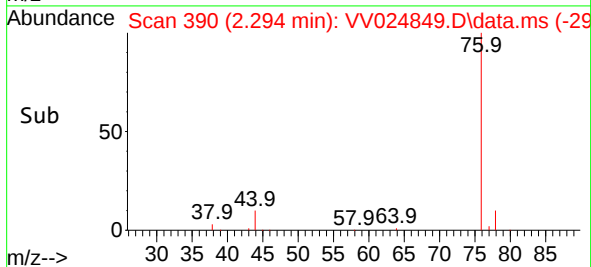
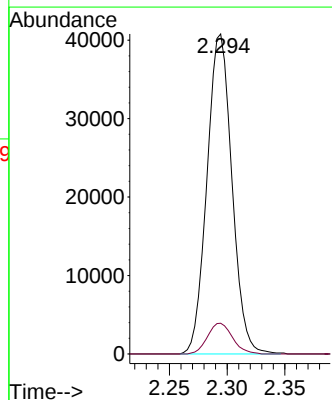
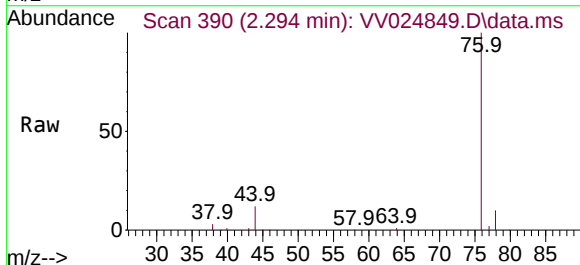
Acq: 02 Mar 2022 11:46

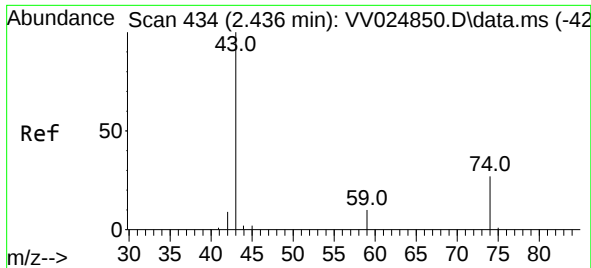
Tgt Ion: 76 Resp: 61437

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8





#15

Methyl Acetate

Concen: 7.646 ug/L

RT: 2.439 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

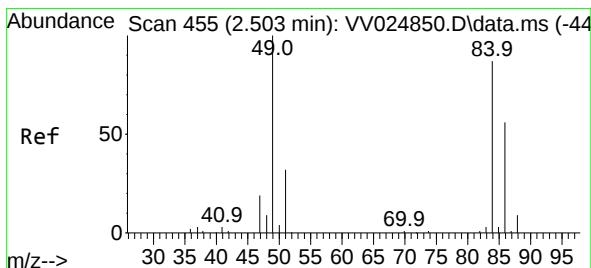
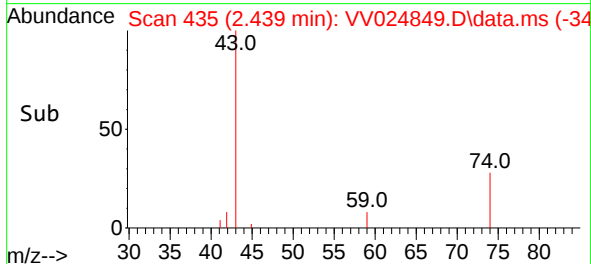
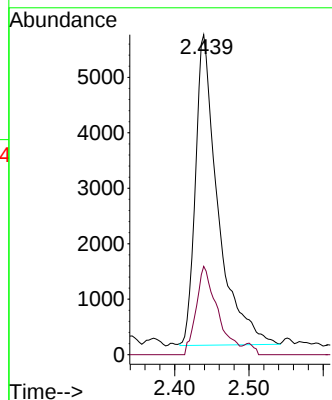
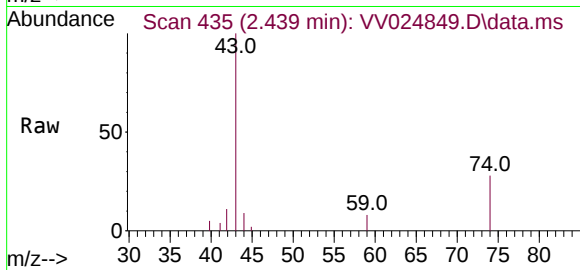
VSTD005202

Tgt Ion: 43 Resp: 11801

Ion Ratio Lower Upper

43 100

74 26.8 21.7 32.5



#16

Methylene chloride

Concen: 5.100 ug/L

RT: 2.507 min Scan# 456

Delta R.T. 0.003 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

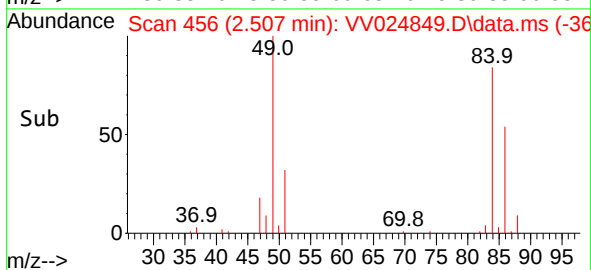
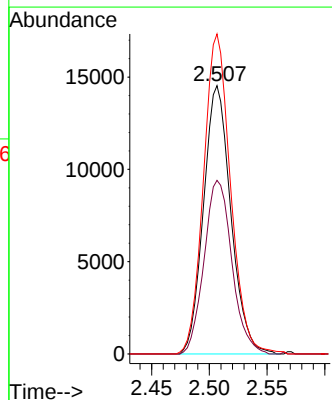
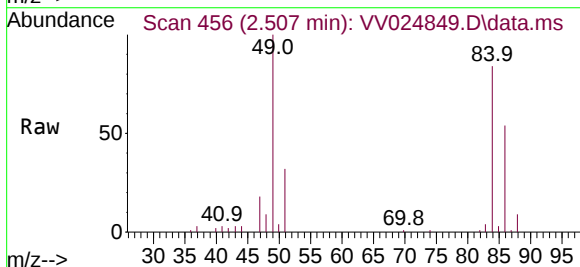
Tgt Ion: 84 Resp: 23946

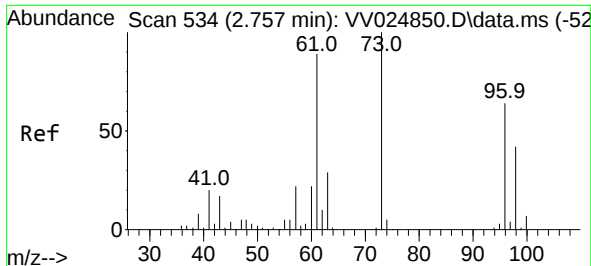
Ion Ratio Lower Upper

84 100

86 64.7 45.0 83.6

49 119.3 80.4 149.2

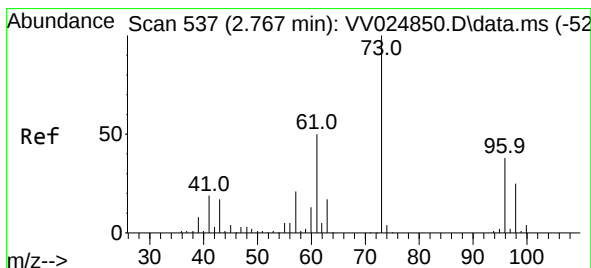
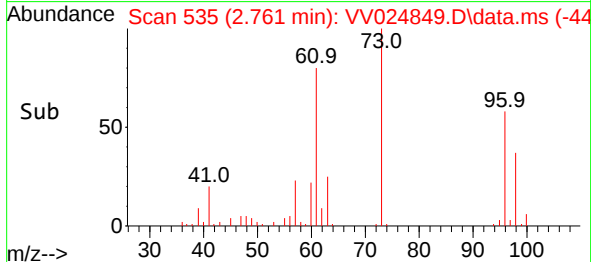
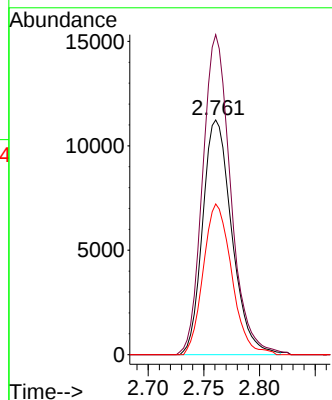
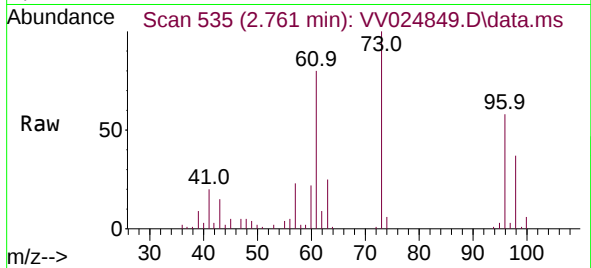




#17
trans-1,2-Dichloroethene
Concen: 5.509 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

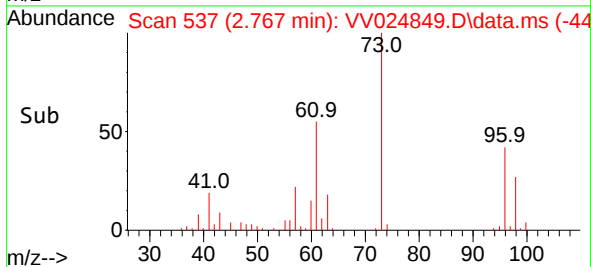
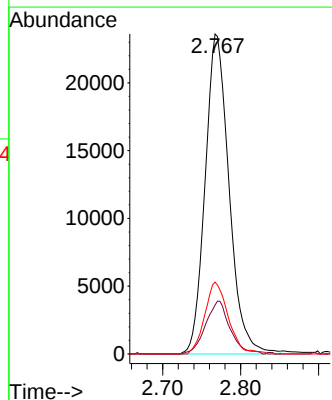
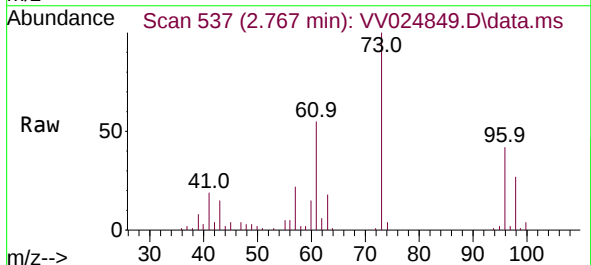
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

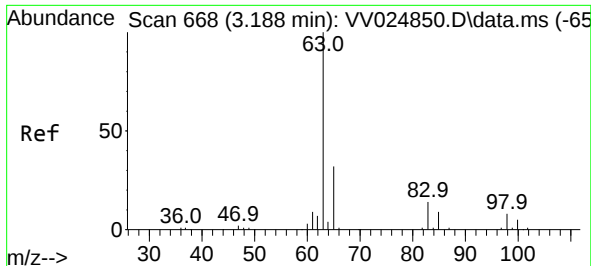
Tgt Ion: 96 Resp: 20477
Ion Ratio Lower Upper
96 100
61 136.3 96.4 179.0
98 64.2 45.4 84.4



#18
Methyl tert-butyl Ether
Concen: 5.973 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion: 73 Resp: 50413
Ion Ratio Lower Upper
73 100
43 16.7 13.6 20.4
57 21.5 17.0 25.6





#19

1,1-Dichloroethane

Concen: 5.996 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005202

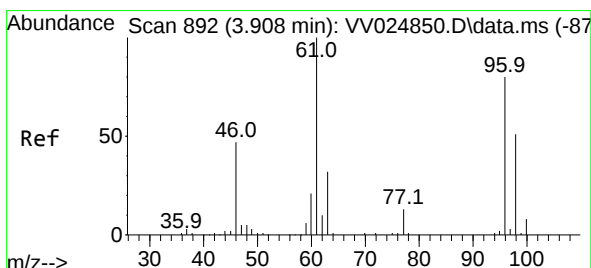
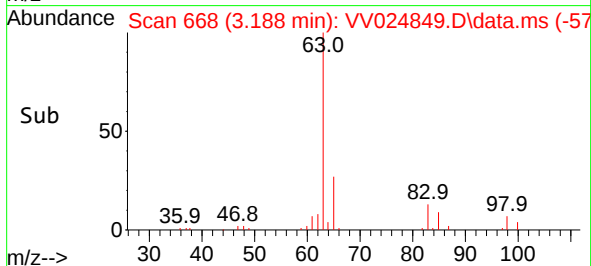
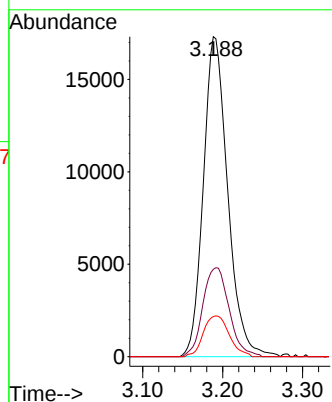
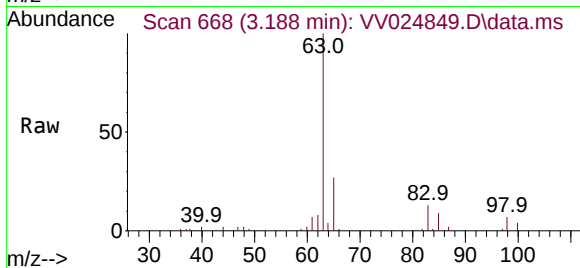
Tgt Ion: 63 Resp: 36715

Ion Ratio Lower Upper

63 100

65 27.3 22.7 42.3

83 12.6 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 5.608 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.010 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

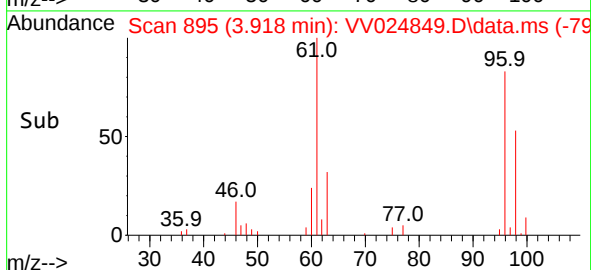
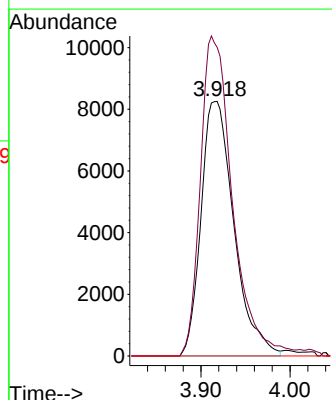
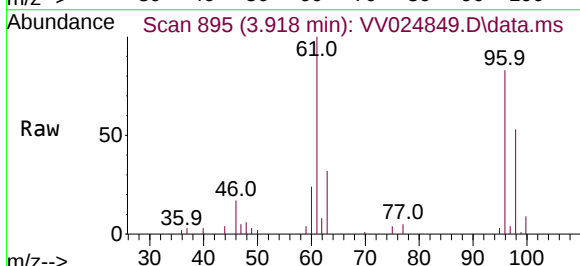
Tgt Ion: 96 Resp: 21195

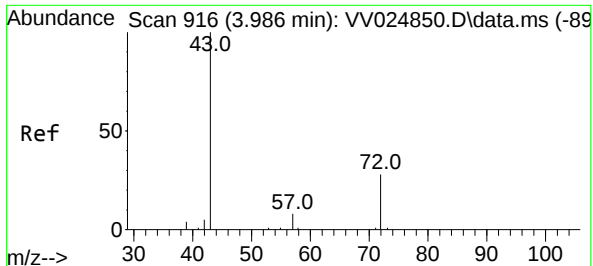
Ion Ratio Lower Upper

96 100

61 121.2 87.4 162.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.499 ug/L

RT: 4.005 min Scan# 916

Delta R.T. 0.019 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

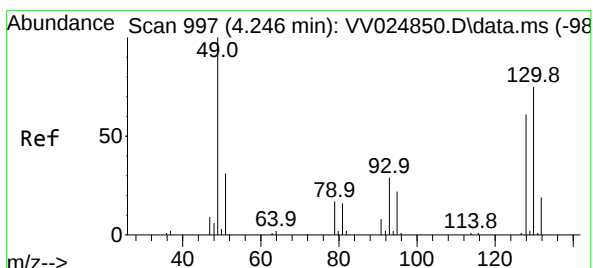
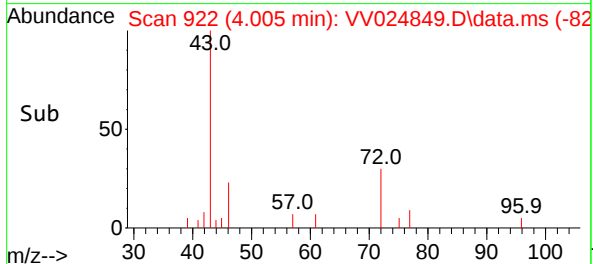
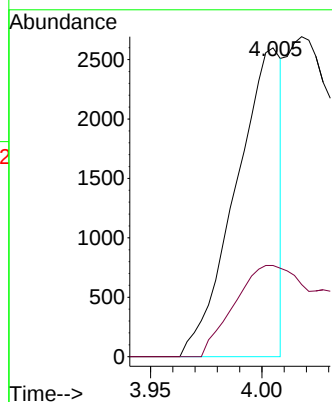
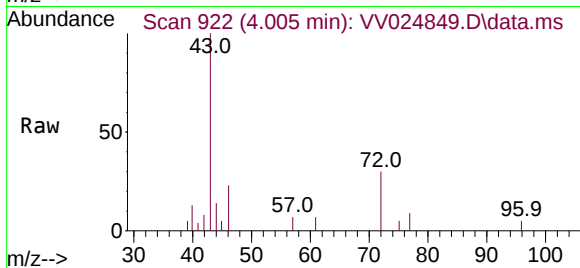
VSTD005202

Tgt Ion: 43 Resp: 3692

Ion Ratio Lower Upper

43 100

72 43.6 11.7 35.1#



#23

Bromochloromethane

Concen: 5.306 ug/L

RT: 4.253 min Scan# 999

Delta R.T. 0.007 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Tgt Ion: 128 Resp: 9980

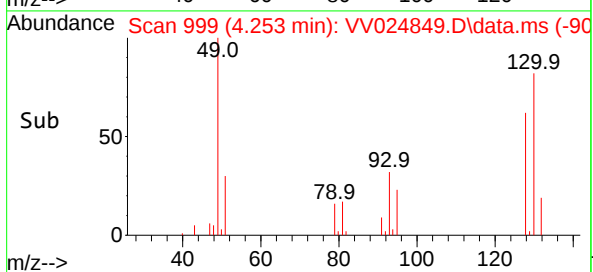
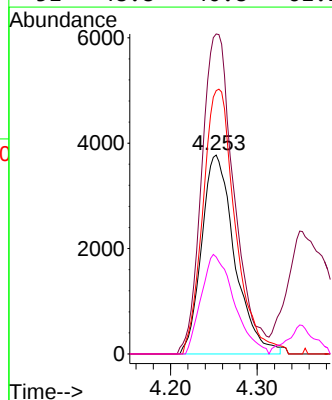
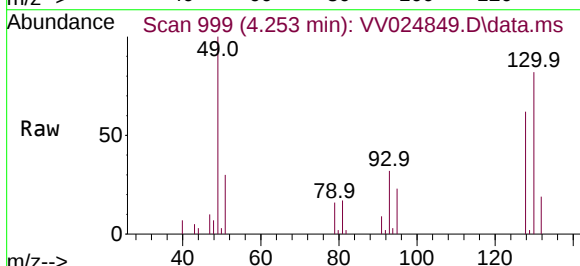
Ion Ratio Lower Upper

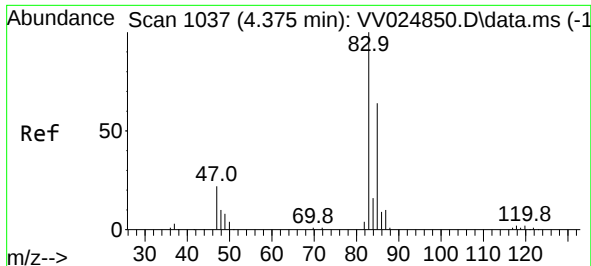
128 100

49 160.9 115.2 214.0

130 132.4 86.7 160.9

51 48.8 40.8 61.2





#25

Chloroform

Concen: 5.311 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

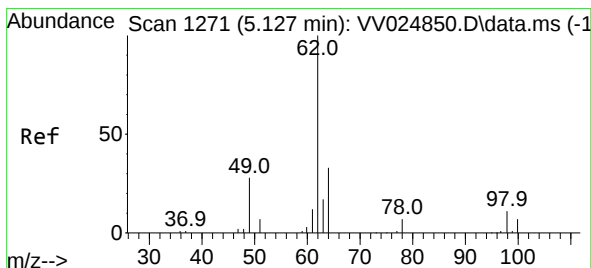
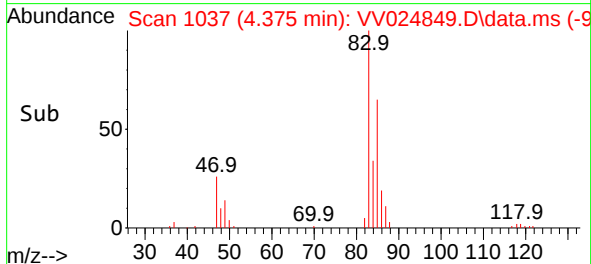
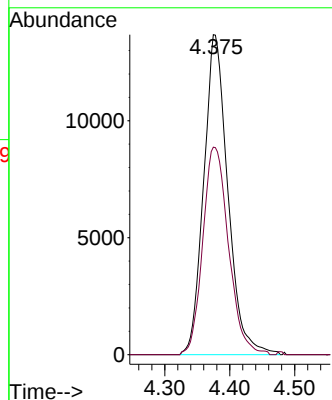
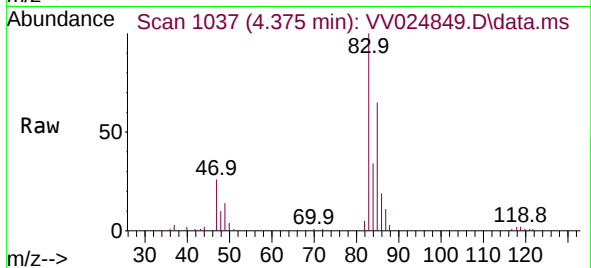
VSTD005202

Tgt Ion: 83 Resp: 35384

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9



#27

1,2-Dichloroethane

Concen: 5.263 ug/L

RT: 5.134 min Scan# 1273

Delta R.T. 0.007 min

Lab File: VV024849.D

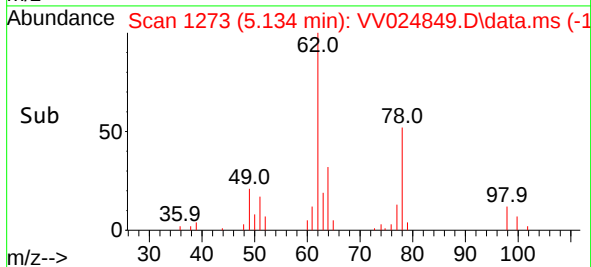
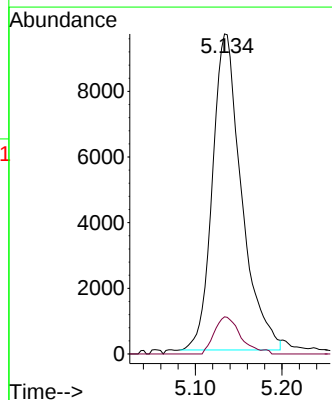
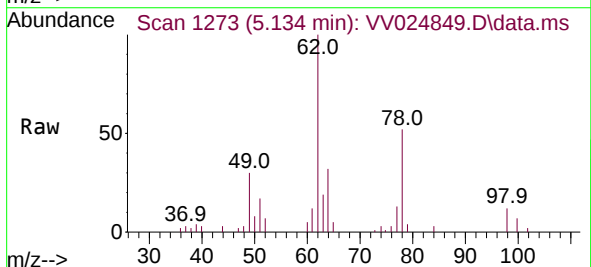
Acq: 02 Mar 2022 11:46

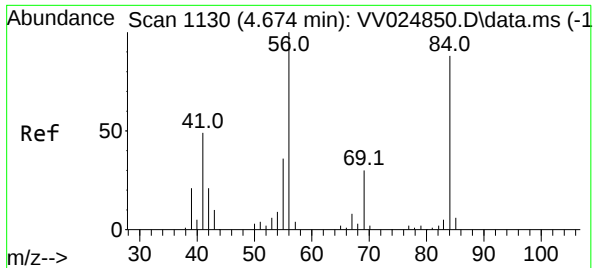
Tgt Ion: 62 Resp: 22477

Ion Ratio Lower Upper

62 100

98 11.6 8.6 13.0

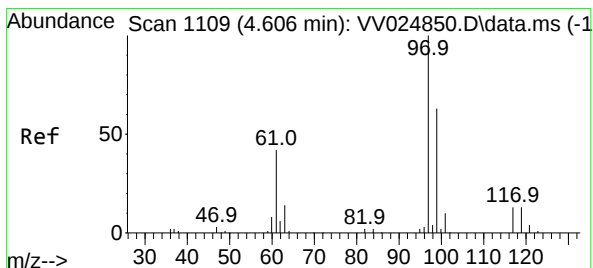
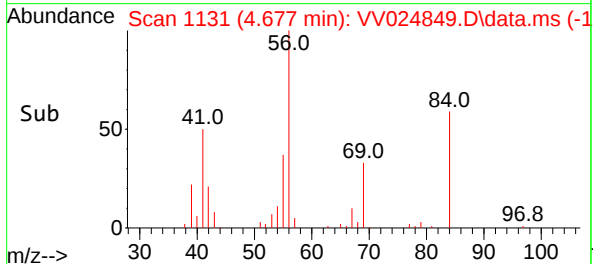
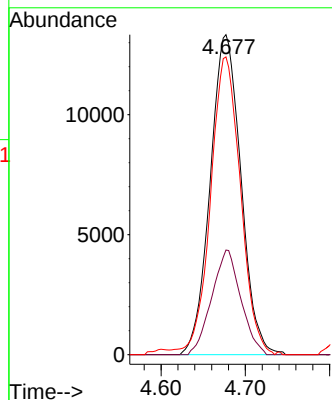
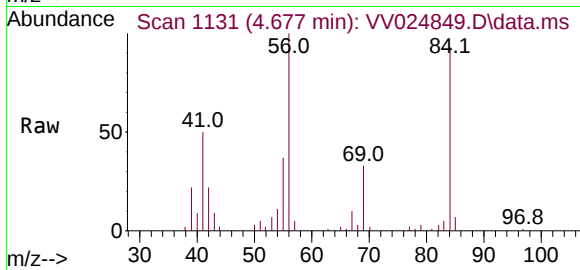




#29
Cyclohexane
Concen: 6.314 ug/L
RT: 4.677 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

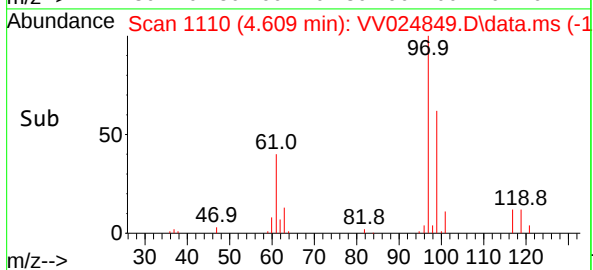
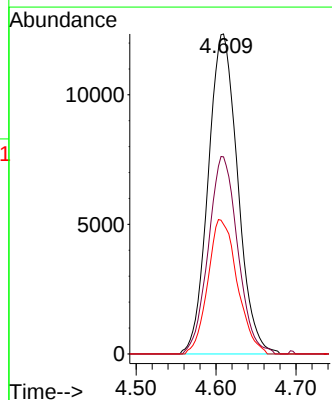
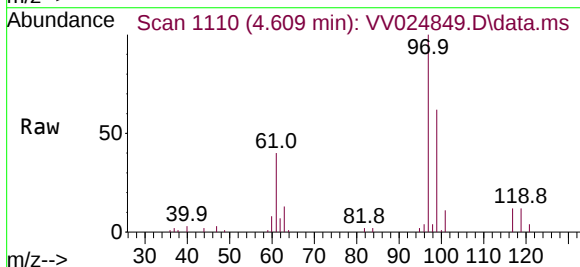
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

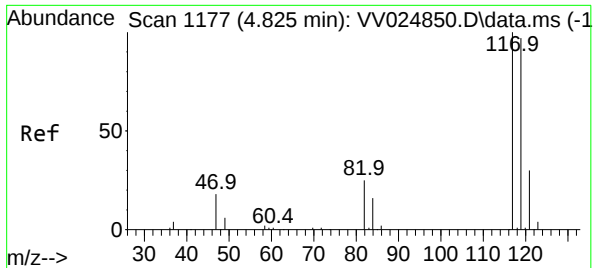
Tgt Ion:	56	Resp:	33720
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.8	37.2
84	90.5	73.6	110.4



#30
1,1,1-Trichloroethane
Concen: 5.365 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion:	97	Resp:	31713
Ion	Ratio	Lower	Upper
97	100		
99	61.4	50.2	75.4
61	41.8	33.8	50.6

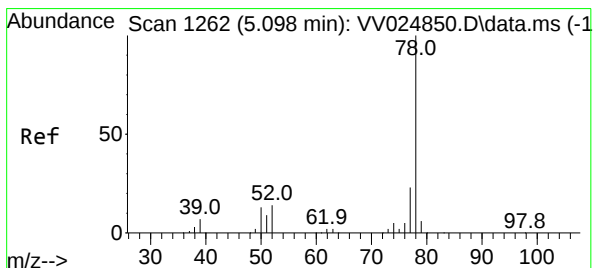
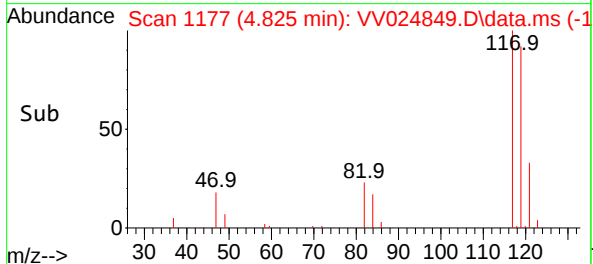
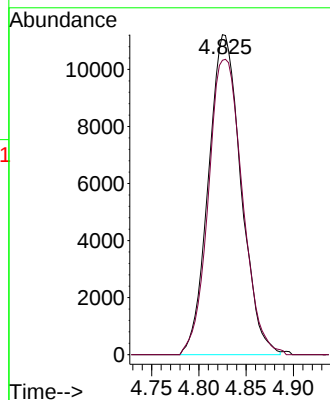
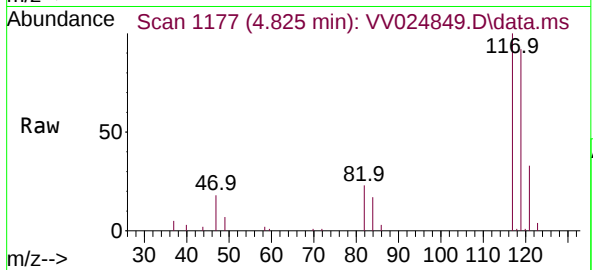




#31
Carbon tetrachloride
Concen: 5.098 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

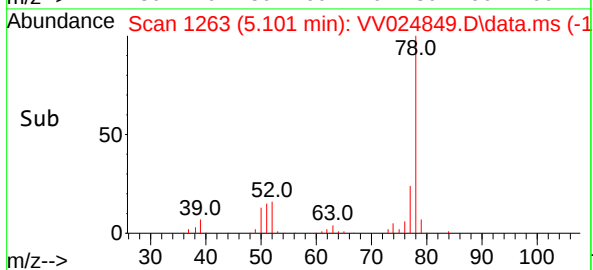
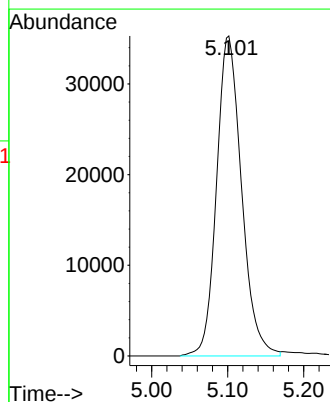
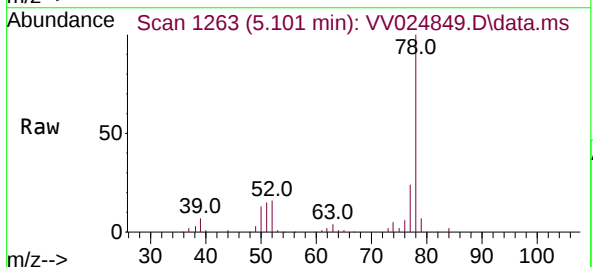
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

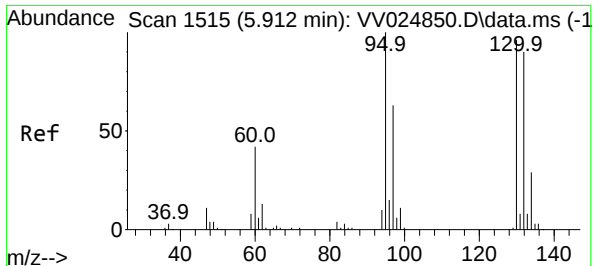
Tgt Ion:117 Resp: 26920
Ion Ratio Lower Upper
117 100
119 96.3 76.6 115.0



#33
Benzene
Concen: 5.791 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion: 78 Resp: 80487





#34

Trichloroethene

Concen: 6.029 ug/L

RT: 5.915 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005202

Tgt Ion: 95 Resp: 23215

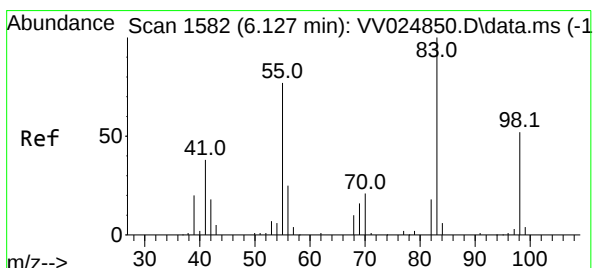
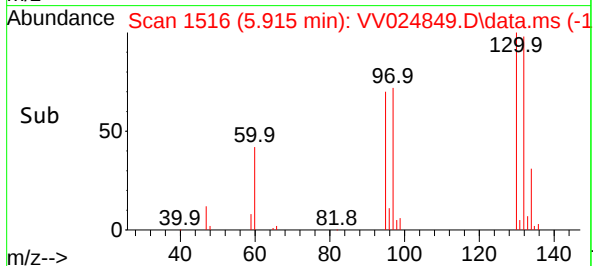
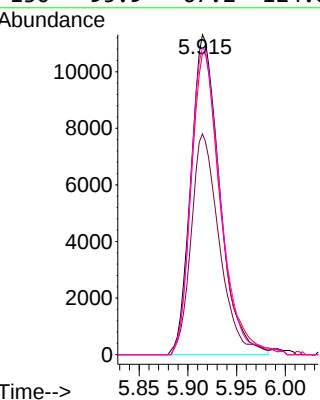
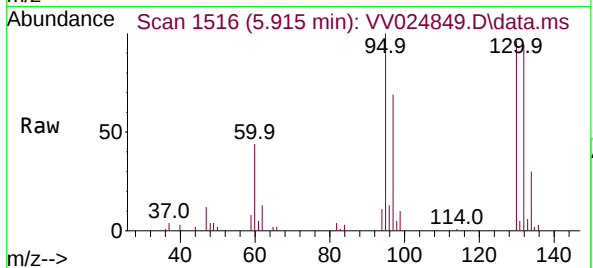
Ion Ratio Lower Upper

95 100

97 69.0 43.8 81.4

132 94.1 63.1 117.1

130 95.9 67.2 124.8



#35

Methylcyclohexane

Concen: 6.342 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.003 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

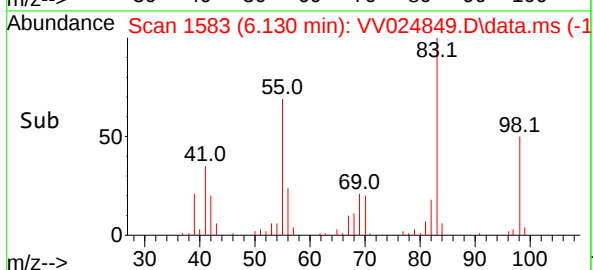
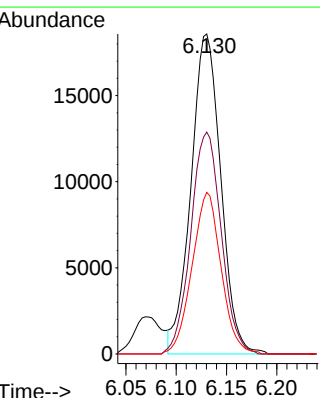
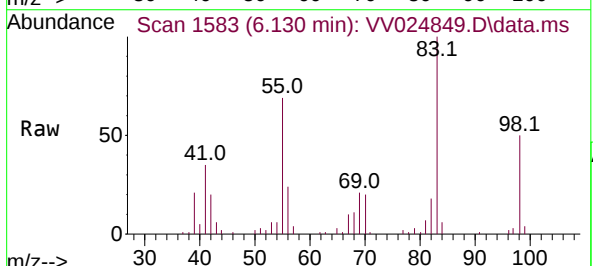
Tgt Ion: 83 Resp: 38365

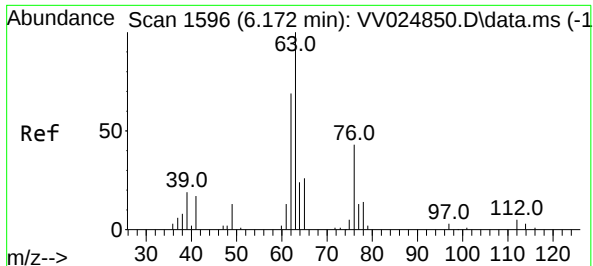
Ion Ratio Lower Upper

83 100

55 70.8 58.3 87.5

98 49.1 39.2 58.8





#37

1,2-Dichloropropane

Concen: 5.842 ug/L

RT: 6.175 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

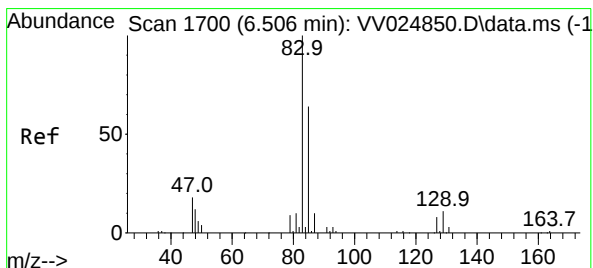
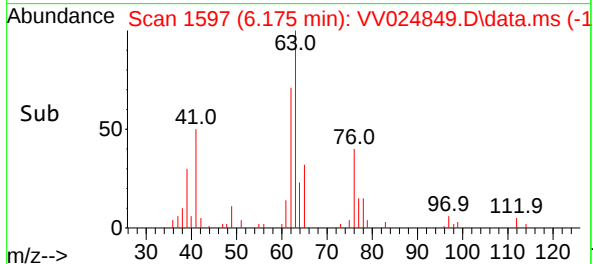
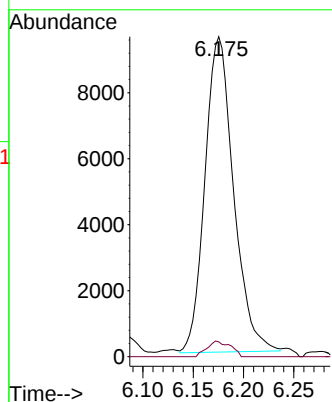
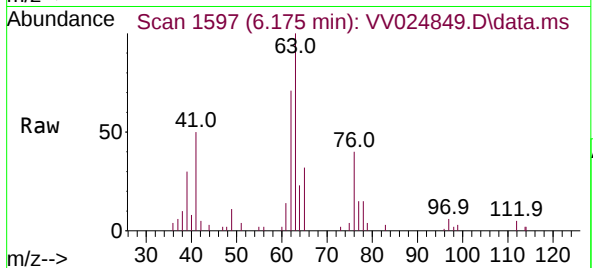
VSTD005202

Tgt Ion: 63 Resp: 18950

Ion Ratio Lower Upper

63 100

112 2.9 3.6 5.4#



#38

Bromodichloromethane

Concen: 5.431 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

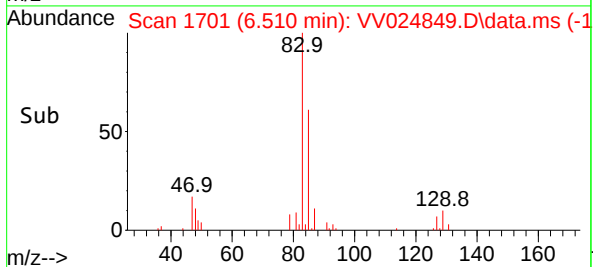
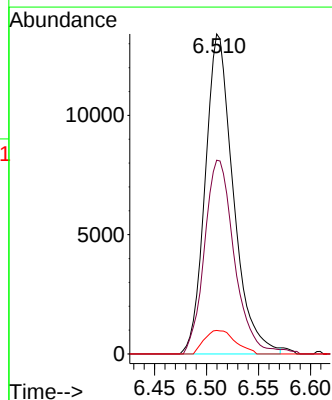
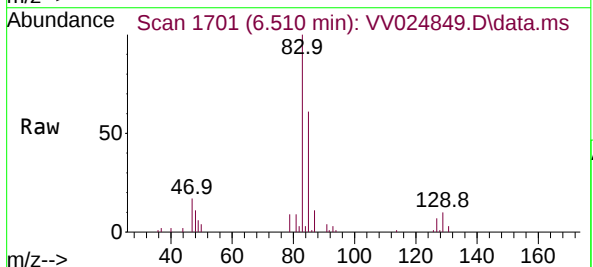
Tgt Ion: 83 Resp: 25214

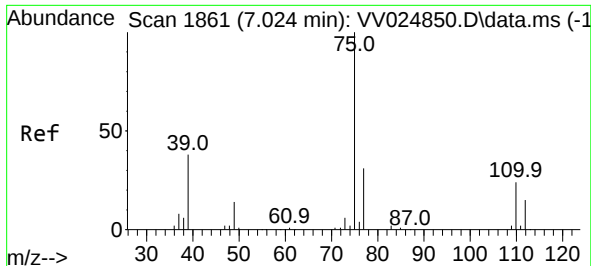
Ion Ratio Lower Upper

83 100

85 60.6 44.8 83.2

127 7.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 5.493 ug/L

RT: 7.031 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

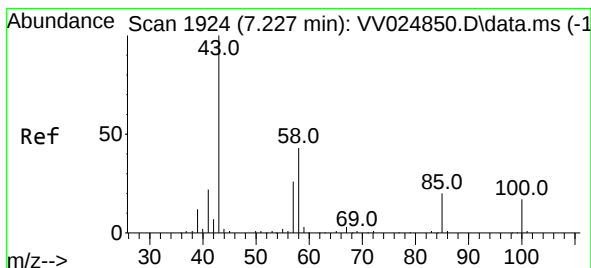
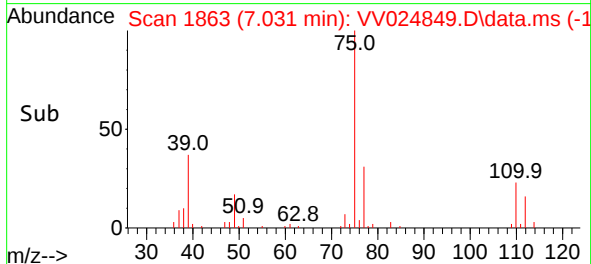
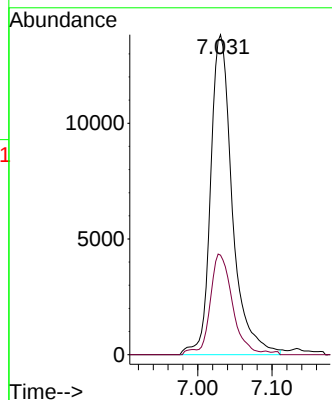
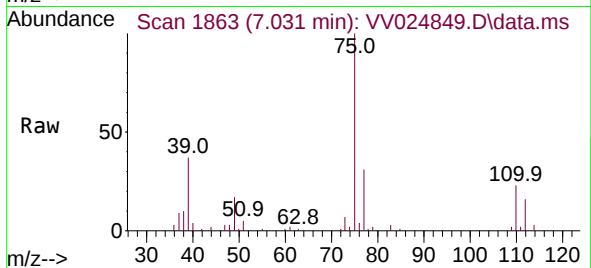
VSTD005202

Tgt Ion: 75 Resp: 28073

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 14.790 ug/L

RT: 7.233 min Scan# 1926

Delta R.T. 0.007 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

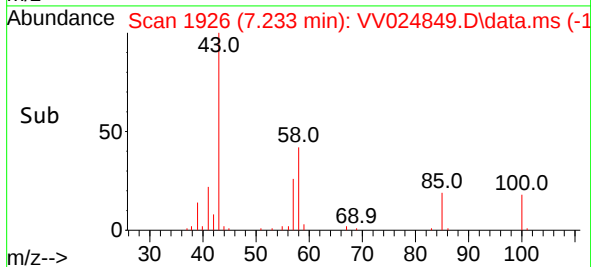
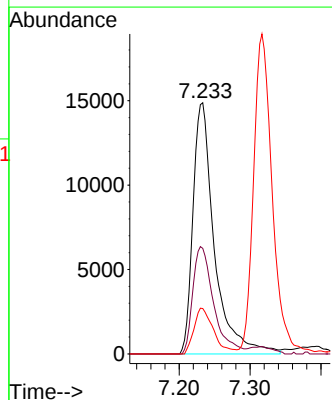
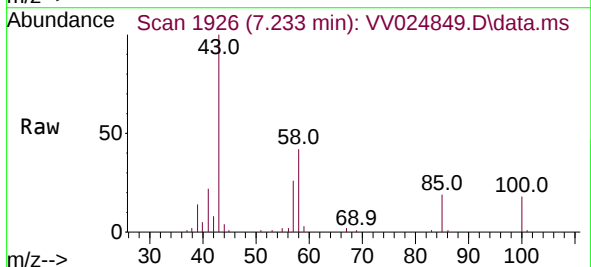
Tgt Ion: 43 Resp: 31243

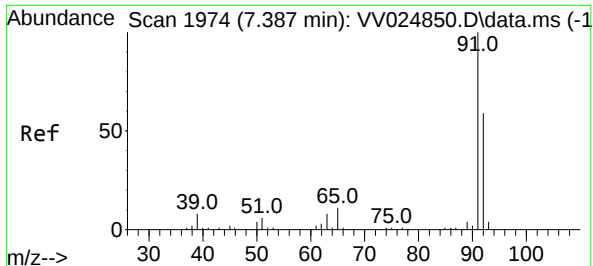
Ion Ratio Lower Upper

43 100

58 41.6 34.9 52.3

100 16.8 13.8 20.6





#42

Toluene

Concen: 5.541 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

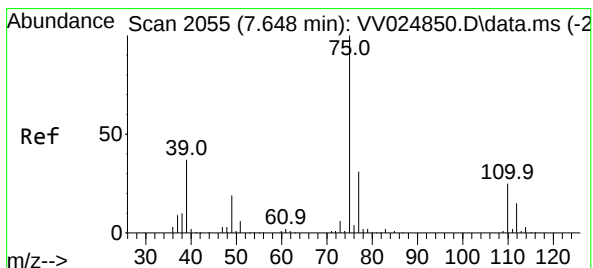
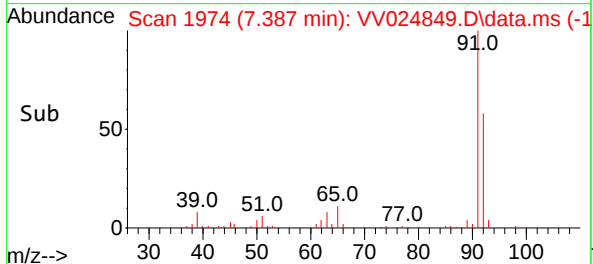
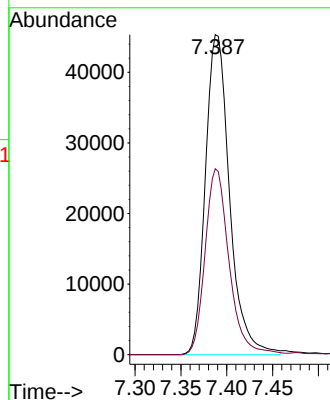
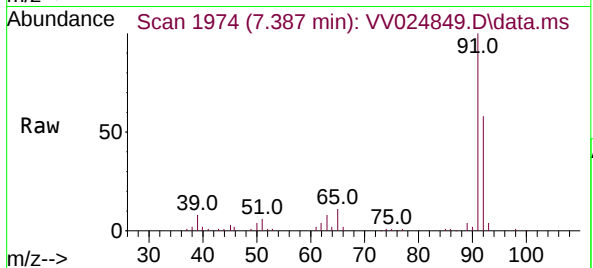
VSTD005202

Tgt Ion: 91 Resp: 83218

Ion Ratio Lower Upper

91 100

92 58.1 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.111 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.007 min

Lab File: VV024849.D

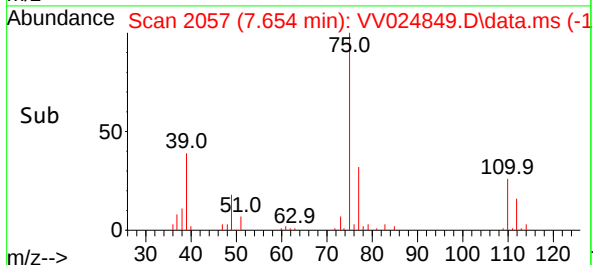
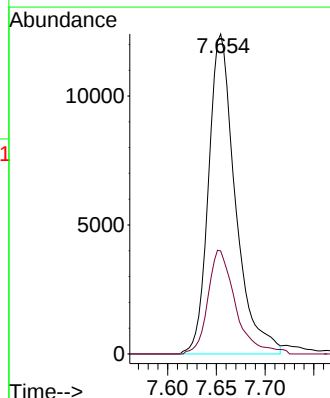
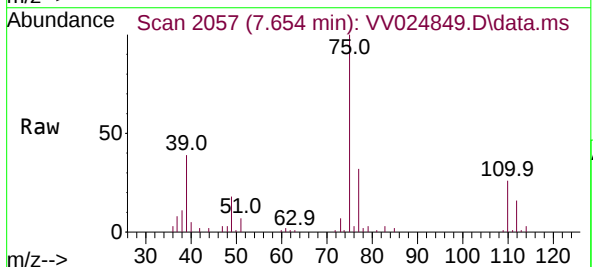
Acq: 02 Mar 2022 11:46

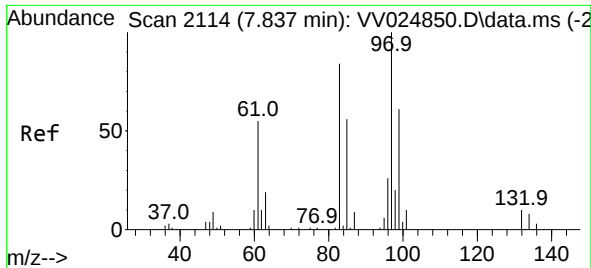
Tgt Ion: 75 Resp: 23777

Ion Ratio Lower Upper

75 100

77 32.2 21.6 40.2

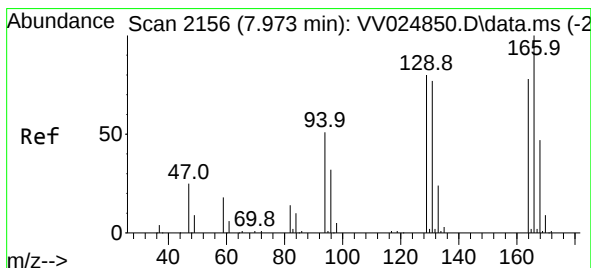
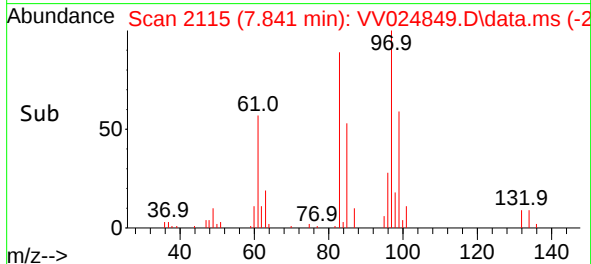
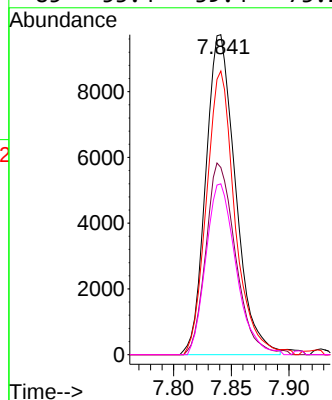
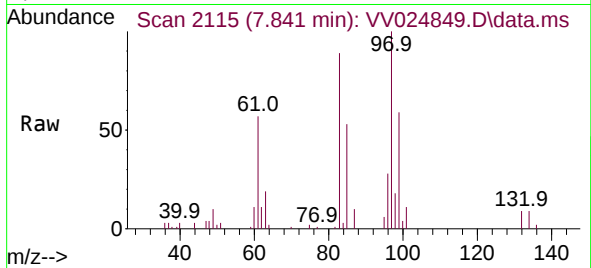




#45
1,1,2-Trichloroethane
Concen: 6.178 ug/L
RT: 7.841 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

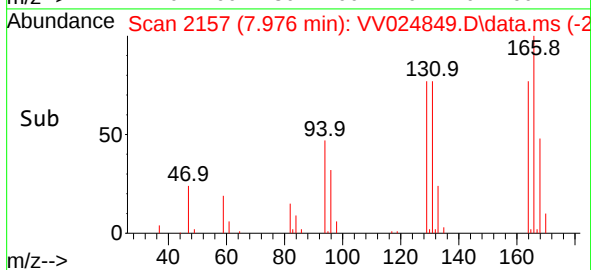
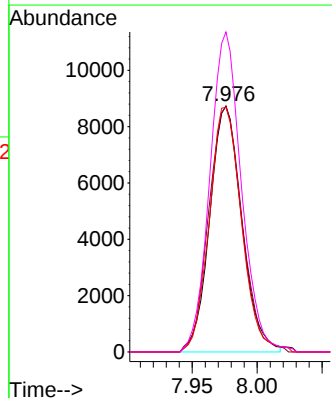
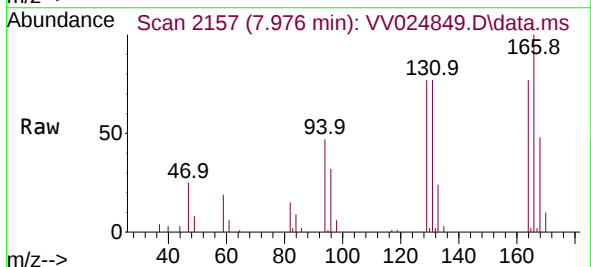
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

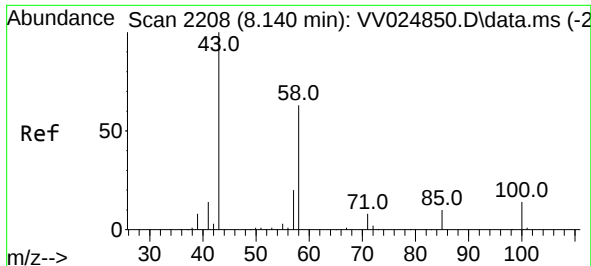
Tgt Ion: 97	Resp: 17447
Ion Ratio	Lower Upper
97 100	
99 58.5	42.5 78.9
83 88.7	58.9 109.3
85 53.4	39.4 73.2



#46
Tetrachloroethene
Concen: 4.591 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion: 164	Resp: 14949
Ion Ratio	Lower Upper
164 100	
129 99.7	71.5 132.9
131 99.5	68.8 127.8
166 130.0	89.2 165.8

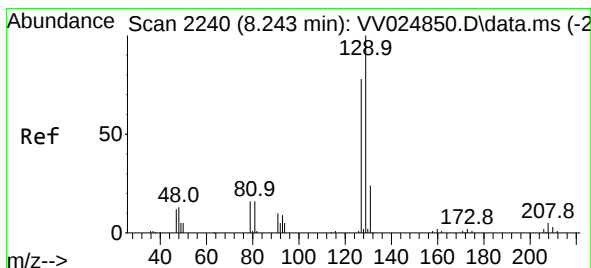
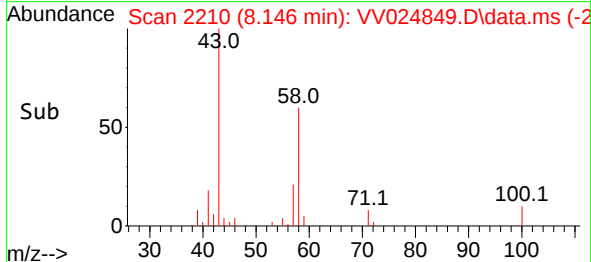
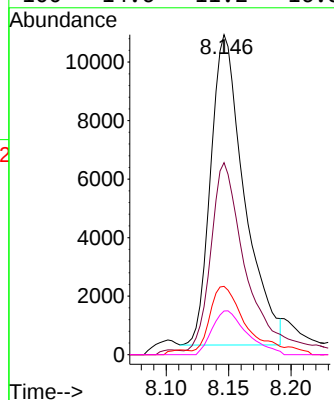
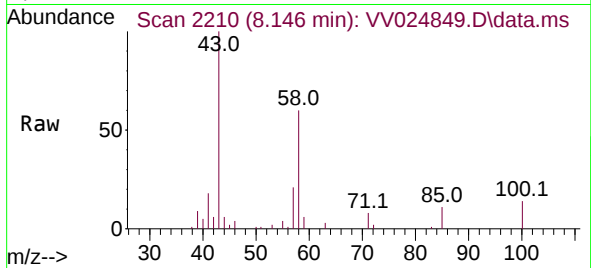




#48
2-Hexanone
Concen: 12.748 ug/L
RT: 8.146 min Scan# 2110
Delta R.T. 0.007 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

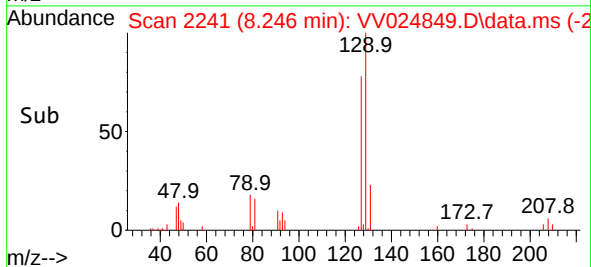
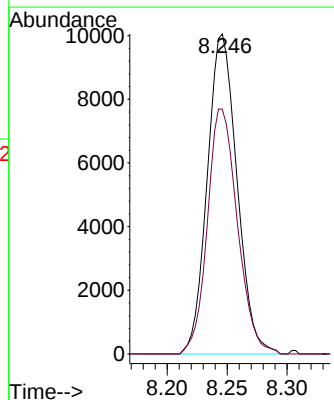
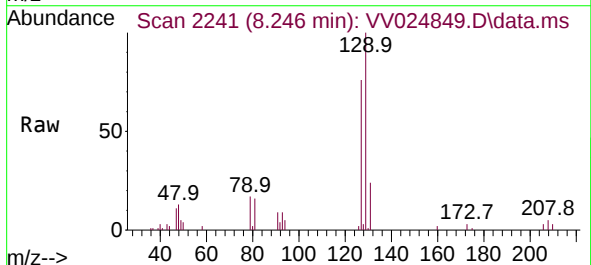
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

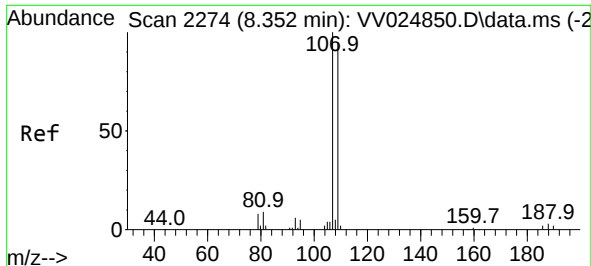
Tgt Ion: 43	Resp: 19852
Ion Ratio	Lower Upper
43 100	
58 67.4	47.6 71.4
57 21.3	17.0 25.6
100 14.6	11.2 16.8



#49
Dibromochloromethane
Concen: 4.938 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion:129	Resp:	17318	
Ion	Ratio	Lower	Upper
129	100		
127	76.5	54.9	101.9





#50

1,2-Dibromoethane

Concen: 6.170 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005202

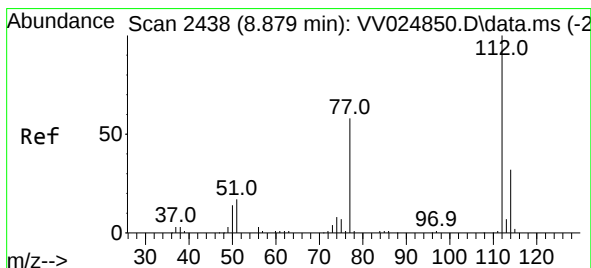
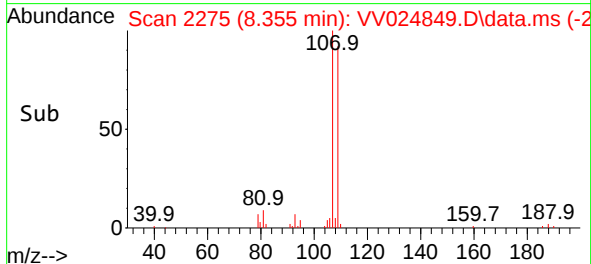
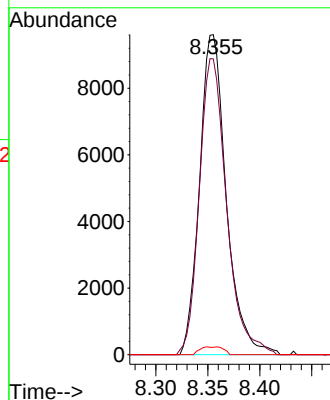
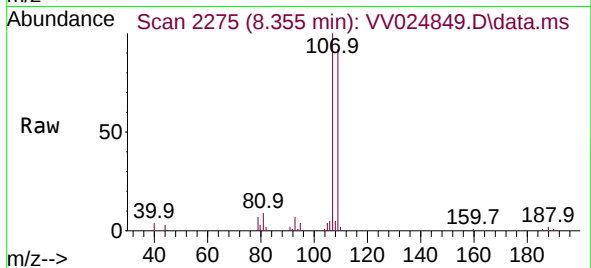
Tgt Ion:107 Resp: 17217

Ion Ratio Lower Upper

107 100

109 92.4 66.6 123.8

188 2.3 2.6 3.8#



#51

Chlorobenzene

Concen: 5.441 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

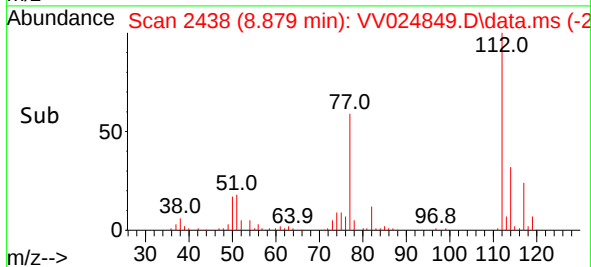
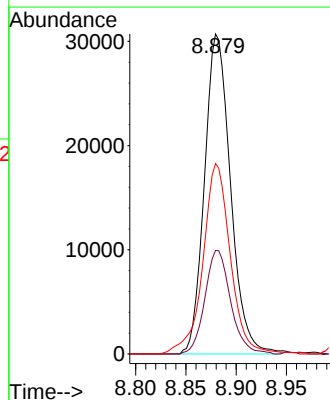
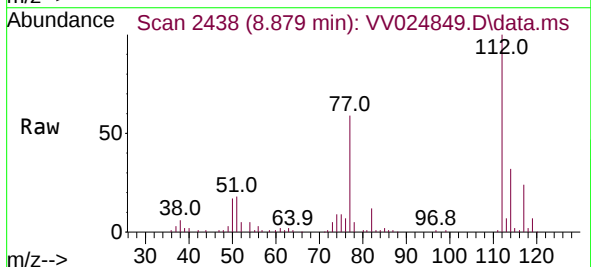
Tgt Ion:112 Resp: 55433

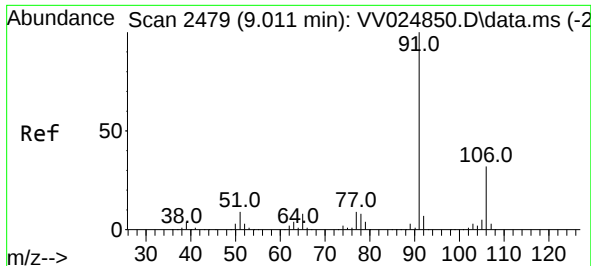
Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.9

77 59.5 47.2 70.8





#52

Ethylbenzene

Concen: 5.583 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

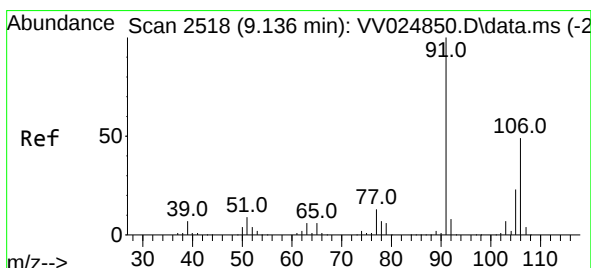
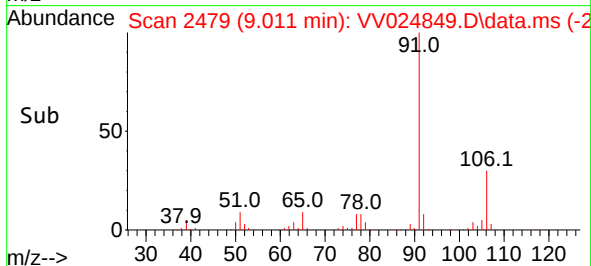
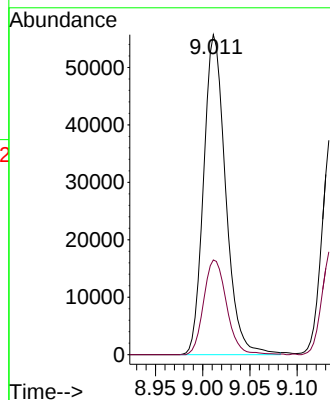
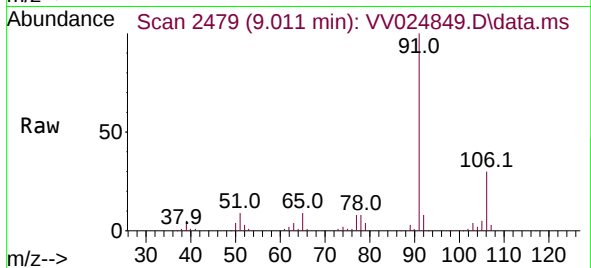
VSTD005202

Tgt Ion: 91 Resp: 90360

Ion Ratio Lower Upper

91 100

106 29.6 22.0 41.0



#53

m,p-Xylene

Concen: 5.434 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV024849.D

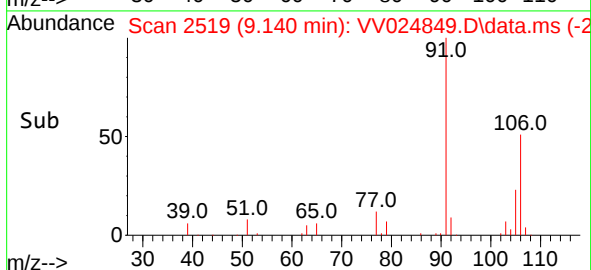
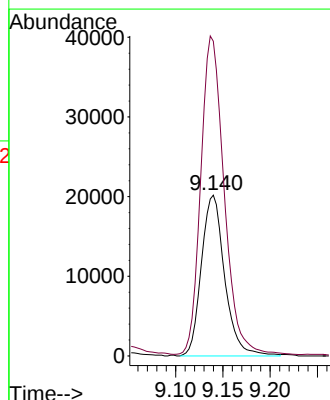
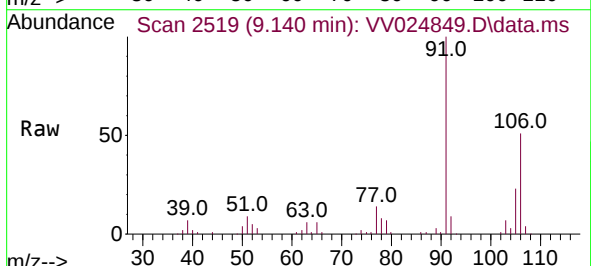
Acq: 02 Mar 2022 11:46

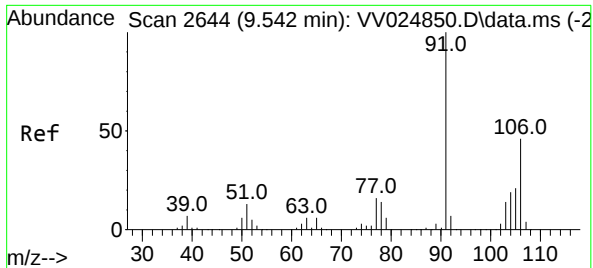
Tgt Ion: 106 Resp: 34615

Ion Ratio Lower Upper

106 100

91 195.7 141.8 263.4

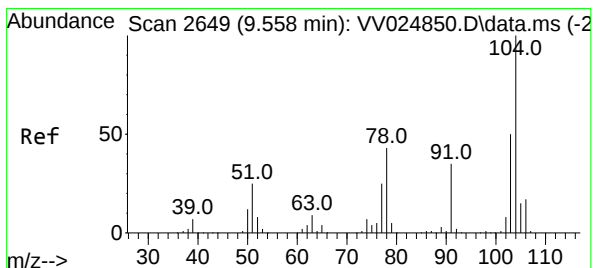
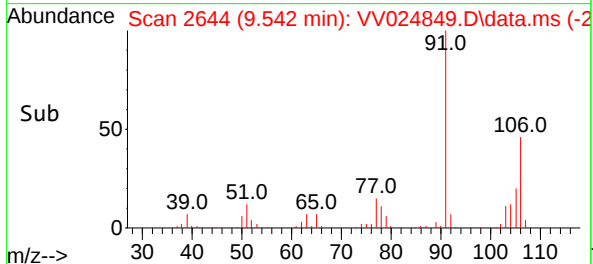
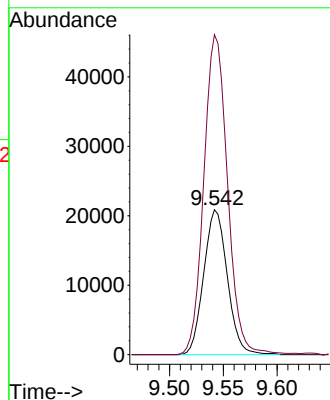
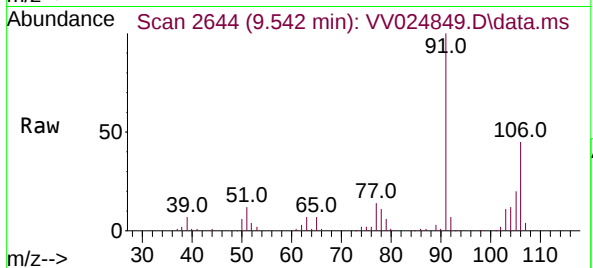




#54
o-Xylene
Concen: 5.279 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

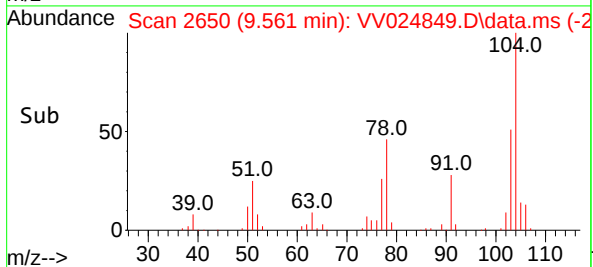
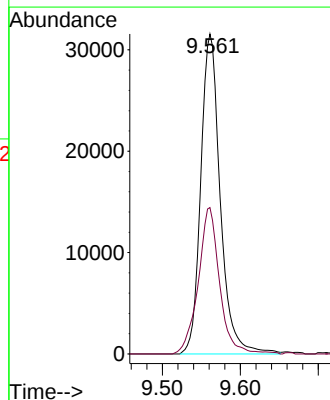
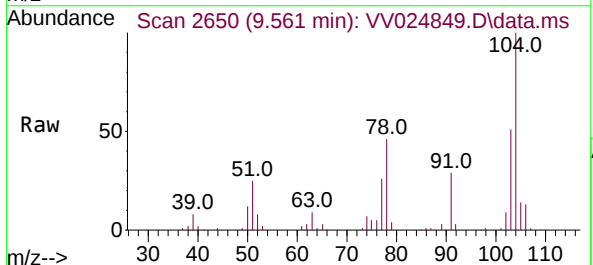
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

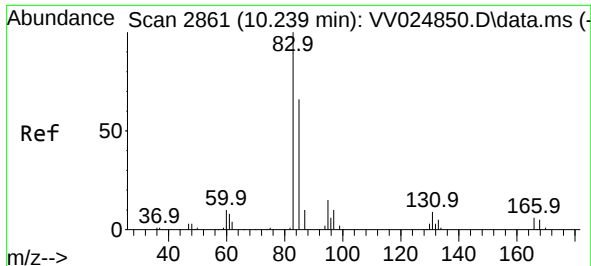
Tgt Ion:106 Resp: 31897
Ion Ratio Lower Upper
106 100
91 220.7 152.1 282.5



#55
Styrene
Concen: 5.282 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion:104 Resp: 54862
Ion Ratio Lower Upper
104 100
78 45.7 30.5 56.7

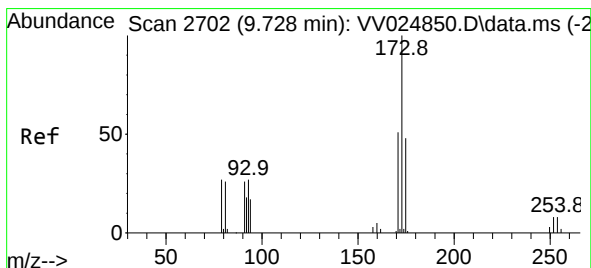
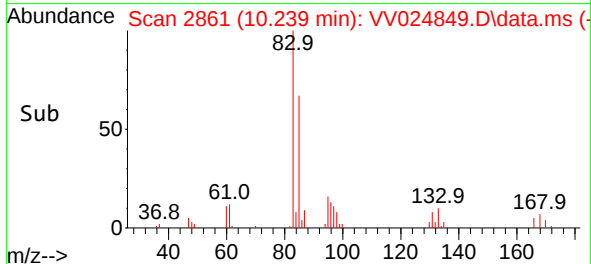
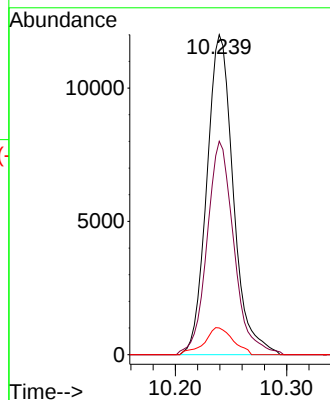
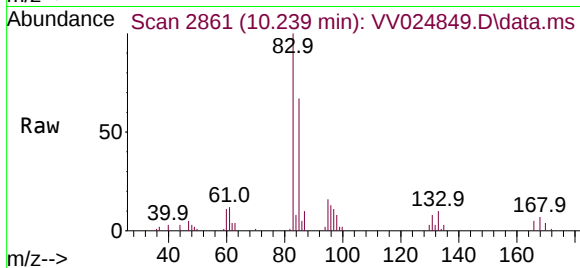




#57
1,1,2,2-Tetrachloroethane
Concen: 6.228 ug/L
RT: 10.239 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

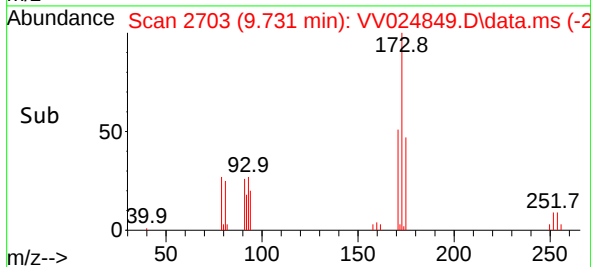
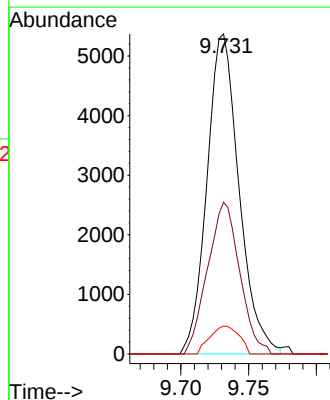
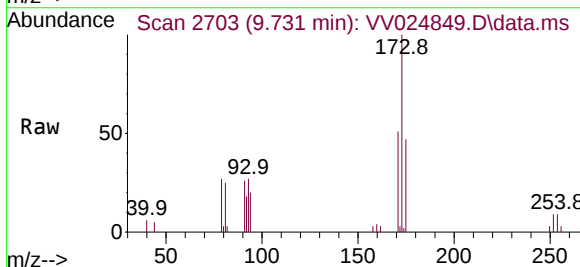
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

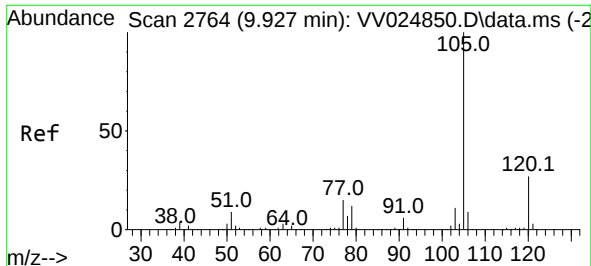
Tgt Ion:	83	Resp:	19825
Ion	Ratio	Lower	Upper
83	100		
85	66.7	46.5	86.3
131	8.4	7.8	11.8



#59
Bromoform
Concen: 4.741 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion:	173	Resp:	8837
Ion	Ratio	Lower	Upper
173	100		
175	47.4	38.7	58.1
254	7.9	6.2	9.2

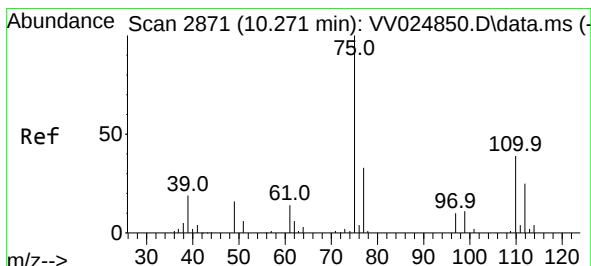
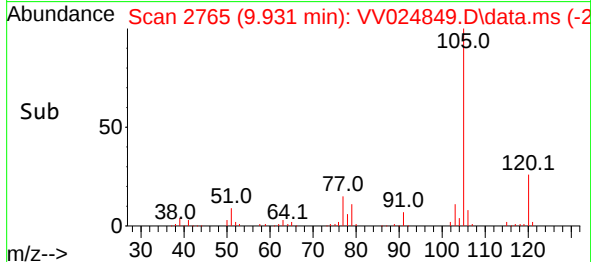
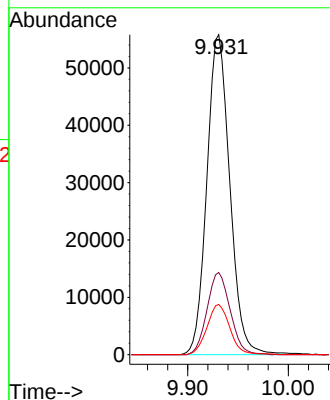
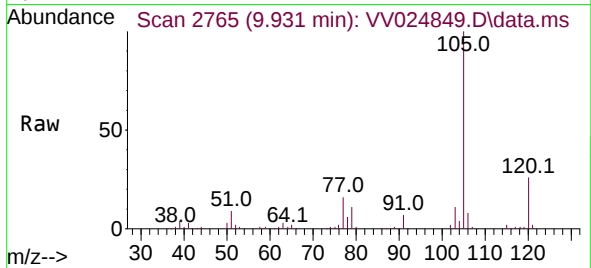




#60
Isopropylbenzene
Concen: 6.118 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

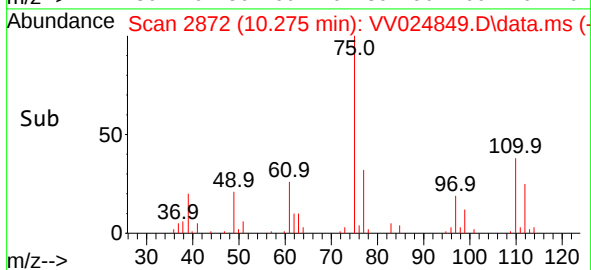
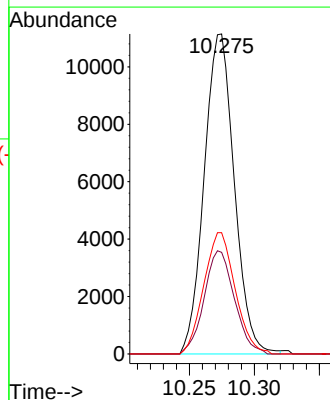
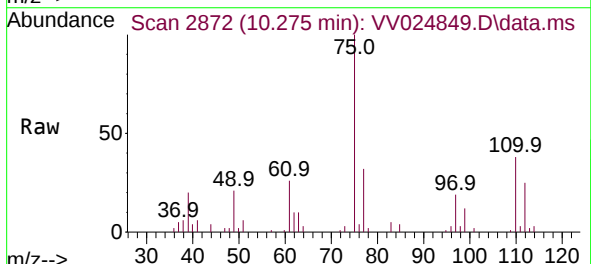
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

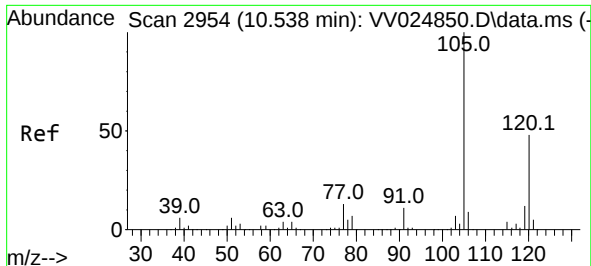
Tgt Ion:105 Resp: 88421
Ion Ratio Lower Upper
105 100
120 25.8 20.8 31.2
77 15.5 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 8.067 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion: 75 Resp: 17959
Ion Ratio Lower Upper
75 100
77 32.4 26.7 40.1
110 39.5 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 5.940 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

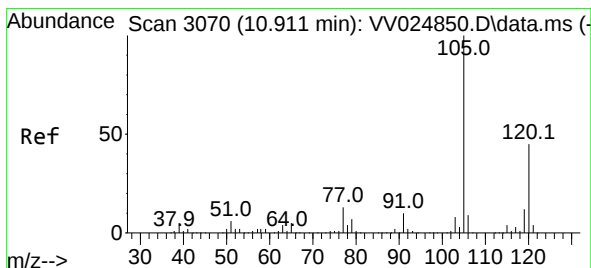
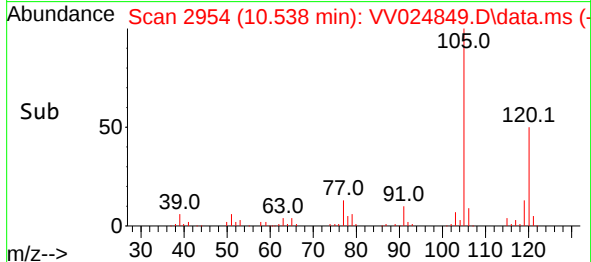
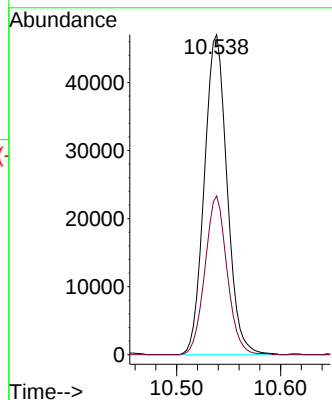
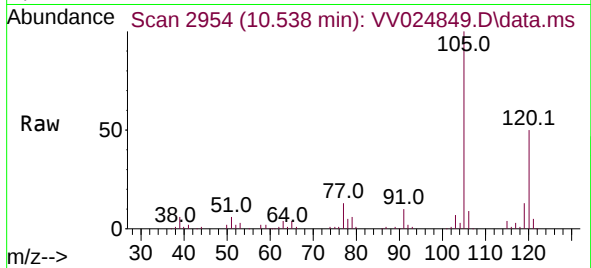
VSTD005202

Tgt Ion:105 Resp: 71520

Ion Ratio Lower Upper

105 100

120 48.4 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 5.675 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV024849.D

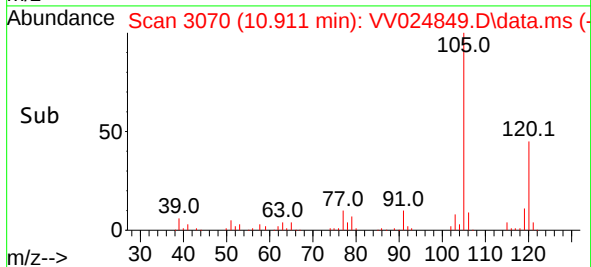
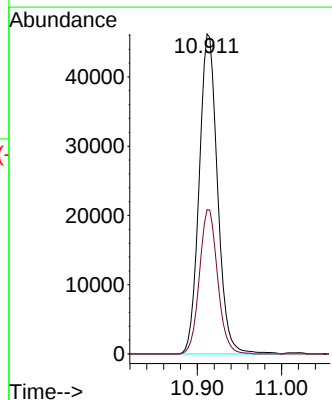
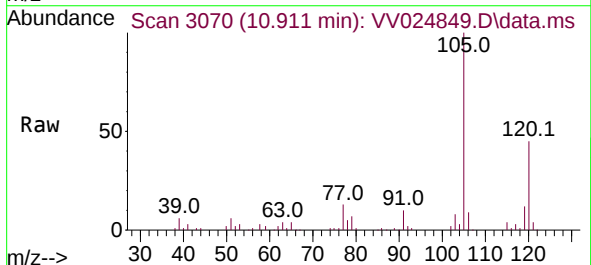
Acq: 02 Mar 2022 11:46

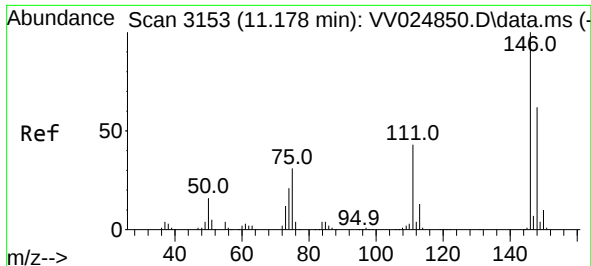
Tgt Ion:105 Resp: 70142

Ion Ratio Lower Upper

105 100

120 44.7 35.8 53.8

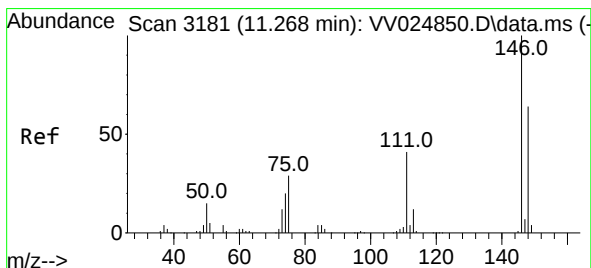
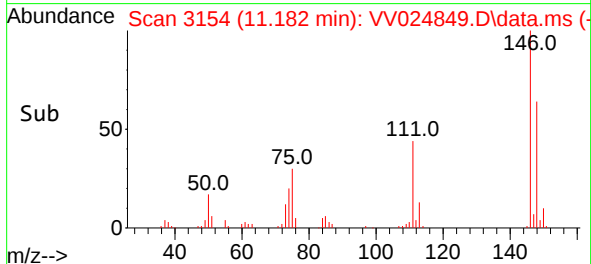
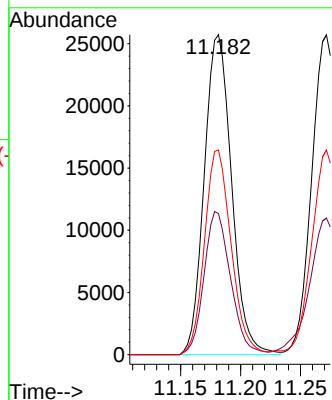
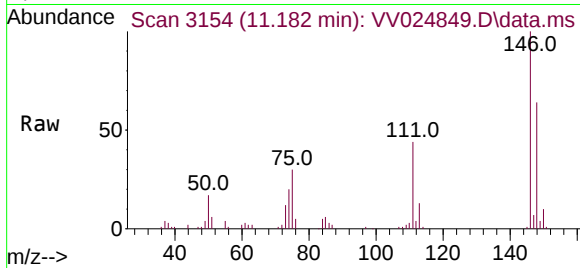




#64
1,3-Dichlorobenzene
Concen: 5.470 ug/L
RT: 11.182 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

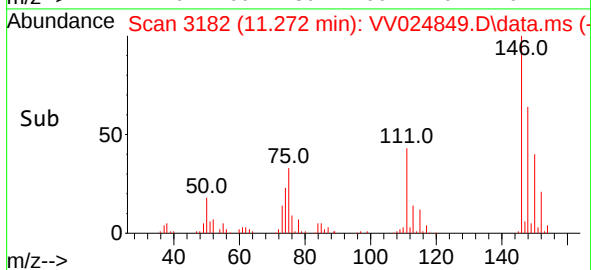
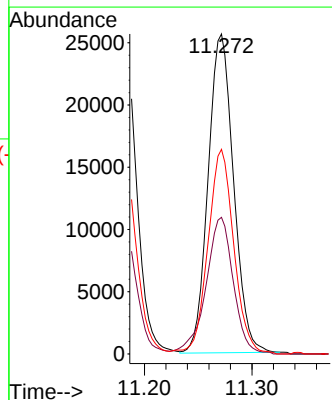
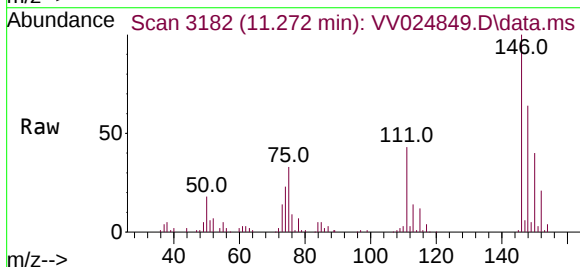
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

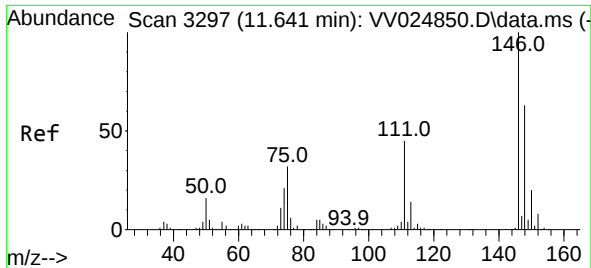
Tgt Ion:146 Resp: 40829
Ion Ratio Lower Upper
146 100
111 44.1 30.0 55.6
148 64.0 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 5.537 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion:146 Resp: 42056
Ion Ratio Lower Upper
146 100
111 42.7 29.2 54.2
148 64.0 45.1 83.7

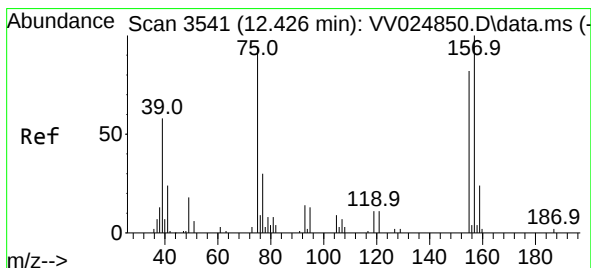
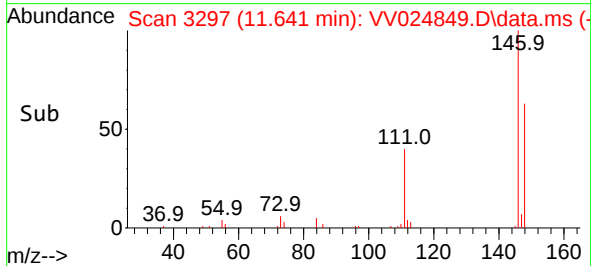
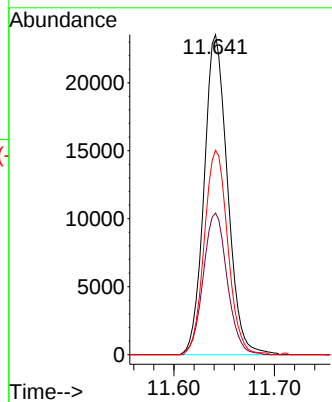
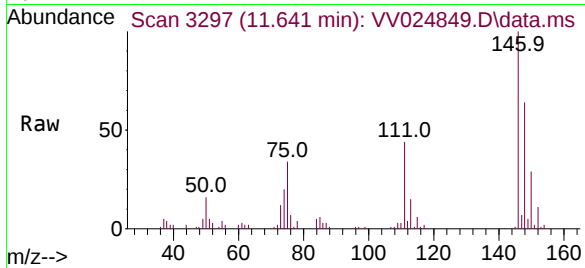




#67
1,2-Dichlorobenzene
Concen: 5.557 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

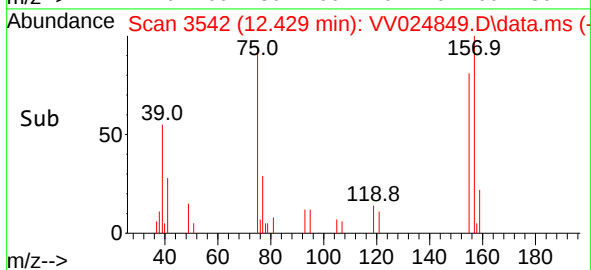
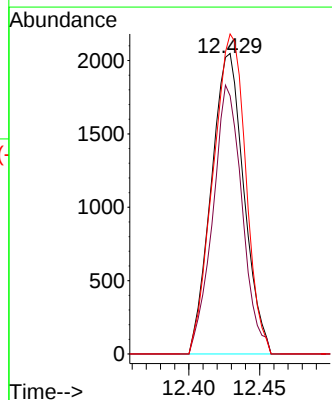
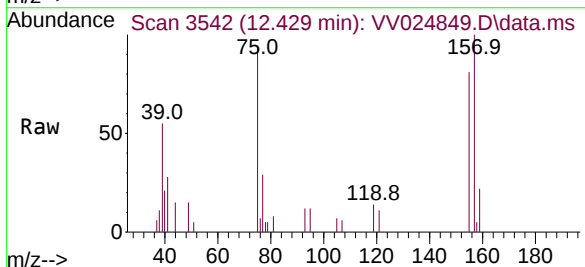
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

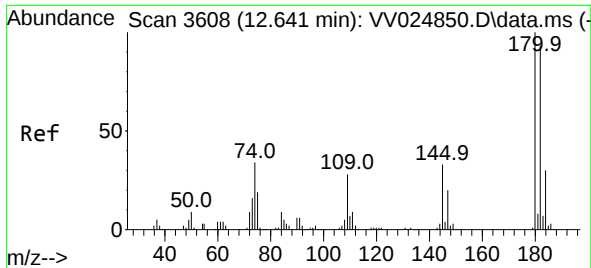
Tgt Ion:146 Resp: 38074
Ion Ratio Lower Upper
146 100
111 44.3 36.4 54.6
148 63.9 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 6.224 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV024849.D
Acq: 02 Mar 2022 11:46

Tgt Ion: 75 Resp: 3287
Ion Ratio Lower Upper
75 100
155 85.9 69.8 104.6
157 106.5 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 5.064 ug/L

RT: 12.645 min Scan# 3609

Delta R.T. 0.003 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005202

Tgt Ion:180 Resp: 29261

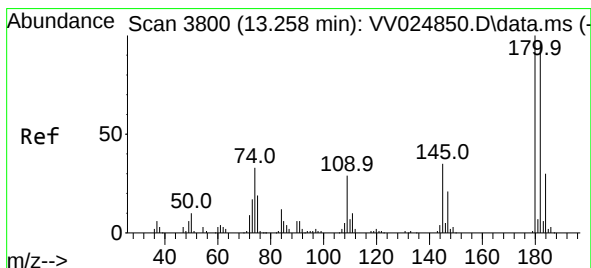
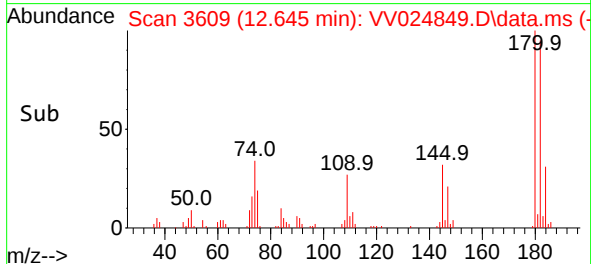
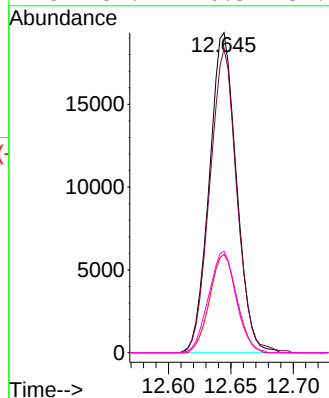
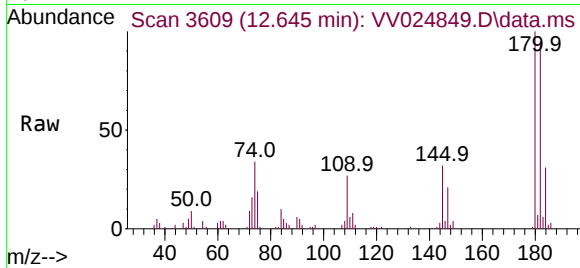
Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.8

184 30.8 24.2 36.4

145 32.1 26.3 39.5



#70

1,2,4-trichlorobenzene

Concen: 5.367 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

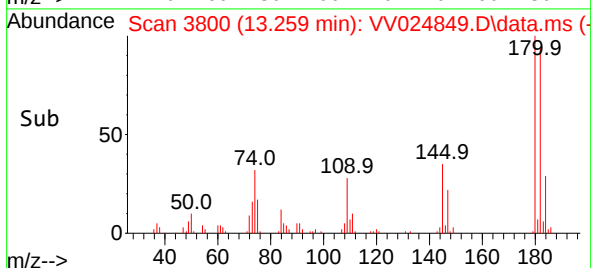
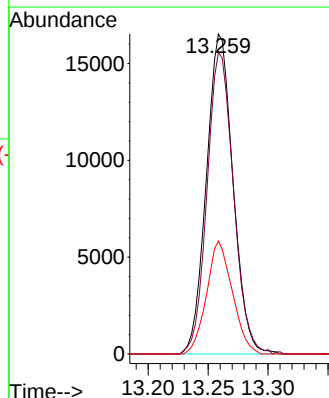
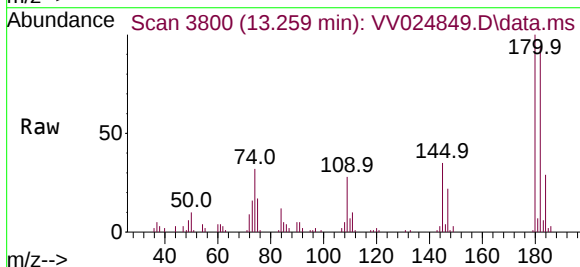
Tgt Ion:180 Resp: 25563

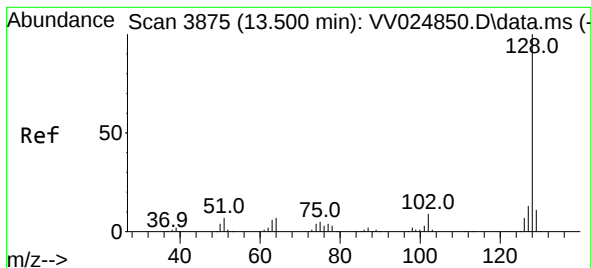
Ion Ratio Lower Upper

180 100

182 93.0 76.0 114.0

145 34.1 27.0 40.4





#71

Naphthalene

Concen: 6.698 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005202

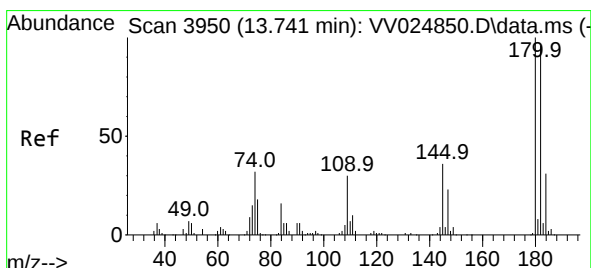
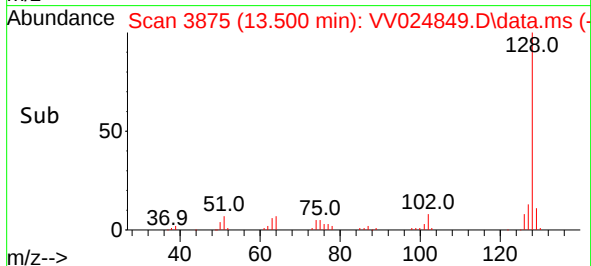
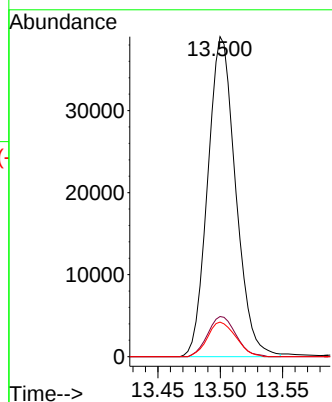
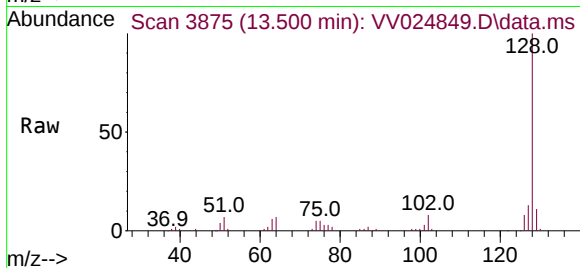
Tgt Ion:128 Resp: 60860

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 5.546 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV024849.D

Acq: 02 Mar 2022 11:46

Tgt Ion:180 Resp: 23901

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.4

145 35.3 28.3 42.5

