

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032624\
 Data File : VV034824.D
 Acq On : 26 Mar 2024 13:06
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 01:07:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 01:06:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	391869	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	366651	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	185254	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	38084	11.026	ug/L	0.00
7) Chloroethane-d5	1.532	69	32825	11.687	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	16121	10.377	ug/L	0.00
21) 2-Butanone-d5	3.806	46	29696	13.099	ug/L	0.02
24) Chloroform-d	4.249	84	61534	10.115	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	37789	9.622	ug/L	0.00
32) Benzene-d6	4.960	84	118553	10.494	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	38226	10.927	ug/L	0.00
41) Toluene-d8	7.243	98	105149	10.282	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	17396	10.003	ug/L	0.00
47) 2-Hexanone-d5	8.034	63	21871	13.348	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.153	84	48899	10.535	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	39561	10.240	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	28779	7.496	ug/L	97
3) Chloromethane	1.217	50	36812	9.286	ug/L	99
5) Vinyl chloride	1.285	62	37940	9.737	ug/L	98
6) Bromomethane	1.487	94	27330	10.770	ug/L	99
8) Chloroethane	1.548	64	25674	10.764	ug/L	100
9) Trichlorofluoromethane	1.716	101	50483	8.872	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	31181	9.926	ug/L	100
12) 1,1-Dichloroethene	2.069	96	29621	10.095	ug/L	99
13) Acetone	2.121	43	41418	16.019	ug/L	97
14) Carbon disulfide	2.243	76	84180	10.366	ug/L	99
15) Methyl Acetate	2.378	43	28575	8.319	ug/L	100
16) Methylene chloride	2.445	84	31720	10.160	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	27870	9.812	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	93129	9.145	ug/L	99
19) 1,1-Dichloroethane	3.111	63	57201	10.212	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	30689	9.897	ug/L	98
22) 2-Butanone	3.886	43	31295	11.919	ug/L	98
23) Bromochloromethane	4.150	128	15254	9.572	ug/L	95
25) Chloroform	4.275	83	57163	9.903	ug/L	97
27) 1,2-Dichloroethane	5.043	62	43349	9.296	ug/L	100
29) Cyclohexane	4.580	56	44927	9.442	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	49114	9.546	ug/L	97
31) Carbon tetrachloride	4.732	117	40360	8.918	ug/L	98
33) Benzene	5.008	78	118376	10.305	ug/L	100
34) Trichloroethene	5.834	95	32509	10.057	ug/L	99
35) Methylcyclohexane	6.047	83	48327	9.869	ug/L	99
37) 1,2-Dichloropropane	6.095	63	32354	10.604	ug/L	100
38) Bromodichloromethane	6.432	83	41180	9.807	ug/L	95
39) cis-1,3-Dichloropropene	6.957	75	47808	9.771	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	76363	17.493	ug/L	99
42) Toluene	7.317	91	121192	9.976	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	42578	9.081	ug/L	96

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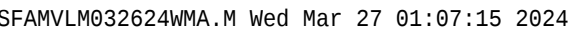
Instrument :
 MSVOA_V
 ClientSampleId :

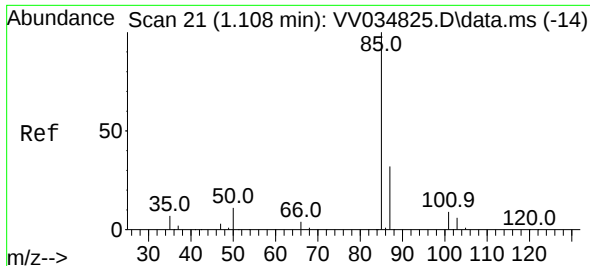
Quant Time: Mar 27 01:07:06 2024
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 01:06:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	30840	10.551	ug/L	98
46) Tetrachloroethene	7.905	164	23012	9.712	ug/L	98
48) 2-Hexanone	8.079	43	59523	17.120	ug/L	99
49) Dibromochloromethane	8.175	129	28397	9.319	ug/L	100
50) 1,2-Dibromoethane	8.284	107	32968	10.615	ug/L	99
51) Chlorobenzene	8.815	112	79745	10.134	ug/L	98
52) Ethylbenzene	8.947	91	134702	9.934	ug/L	100
53) m,p-Xylene	9.072	106	47377	9.211	ug/L	96
54) o-Xylene	9.477	106	47401	9.394	ug/L	100
55) Styrene	9.497	104	77449	9.081	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	47099	10.503	ug/L	100
59) Bromoform	9.664	173	18851	9.140	ug/L	99
60) Isopropylbenzene	9.866	105	131322	9.984	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	38405	10.547	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	80683	7.628	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	97456	8.909	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	61724	10.141	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	62507	10.071	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	60038	9.835	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	9350	8.773	ug/L	99
69) 1,3,5-Trichlorobenzene	12.583	180	43489	9.599	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	37462	9.176	ug/L	97
71) Naphthalene	13.442	128	94027	8.713	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	37134	9.338	ug/L	99

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

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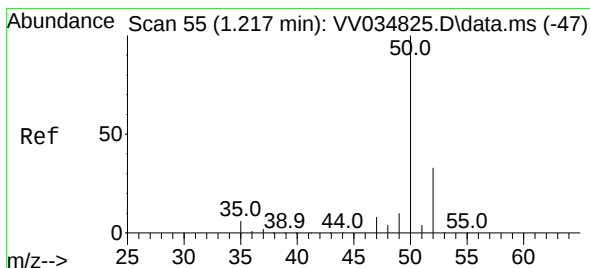
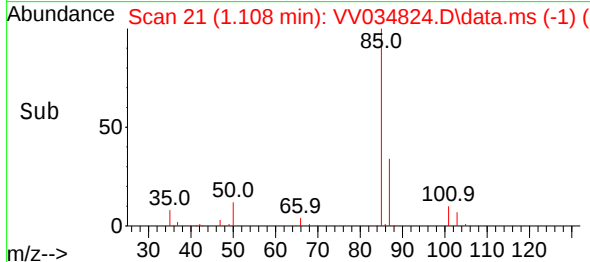
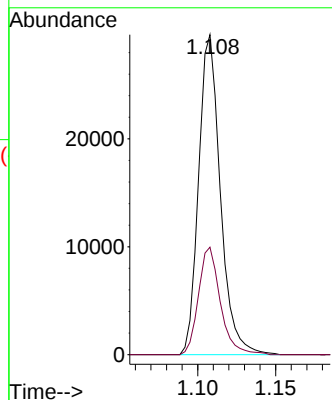
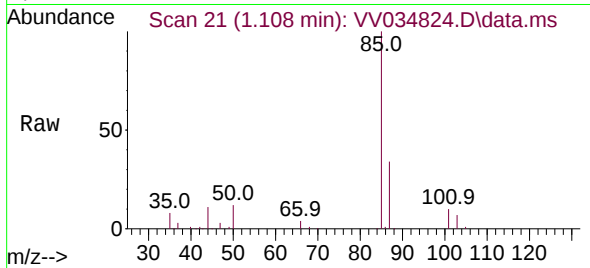




#2
 Dichlorodifluoromethane
 Concen: 7.496 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV034824.D
 Acq: 26 Mar 2024 13:06

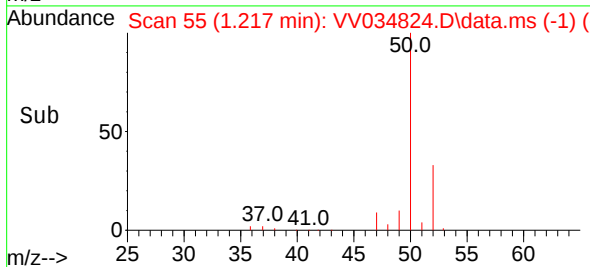
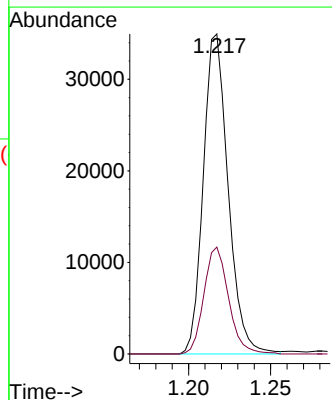
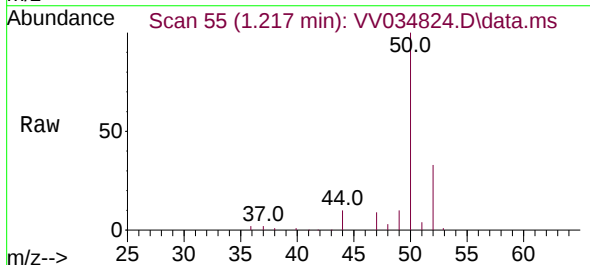
Instrument :
 MSVOA_V
 ClientSampleId :

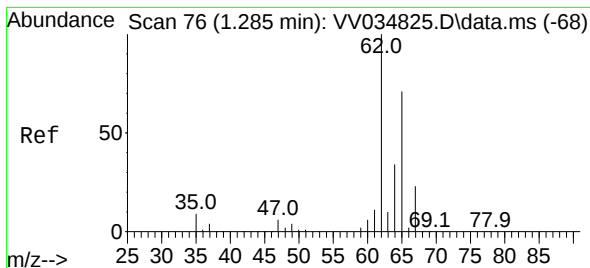
Tgt Ion: 85 Resp: 28779
 Ion Ratio Lower Upper
 85 100
 87 33.8 25.7 38.5



#3
 Chloromethane
 Concen: 9.286 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV034824.D
 Acq: 26 Mar 2024 13:06

Tgt Ion: 50 Resp: 36812
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.0 42.8





#5

Vinyl chloride

Concen: 9.737 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

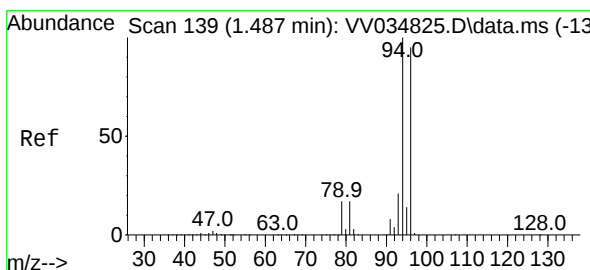
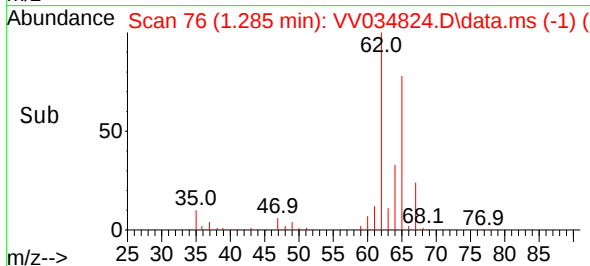
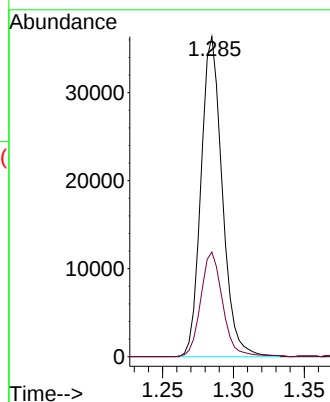
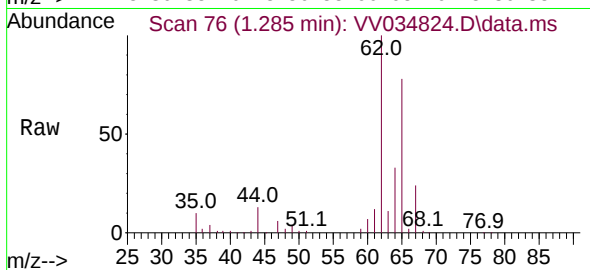
ClientSampleId :

Tgt Ion: 62 Resp: 37940

Ion Ratio Lower Upper

62 100

64 32.7 23.6 43.8



#6

Bromomethane

Concen: 10.770 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV034824.D

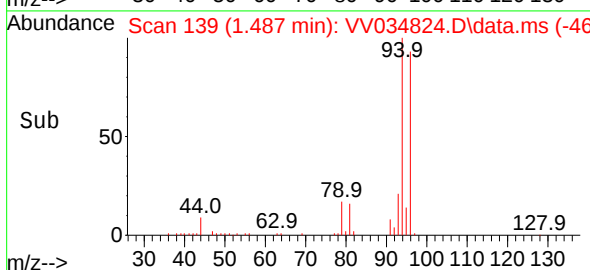
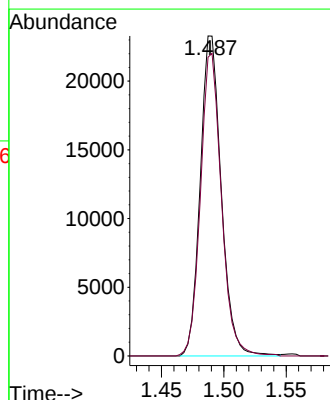
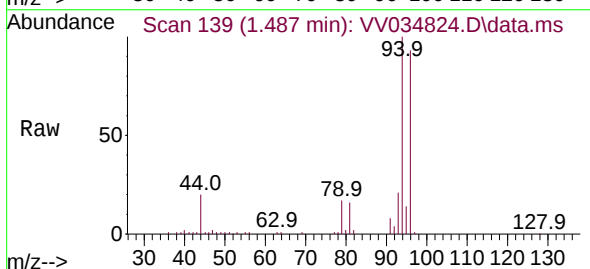
Acq: 26 Mar 2024 13:06

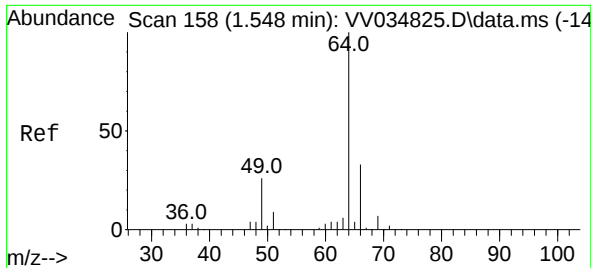
Tgt Ion: 94 Resp: 27330

Ion Ratio Lower Upper

94 100

96 93.3 66.3 123.1

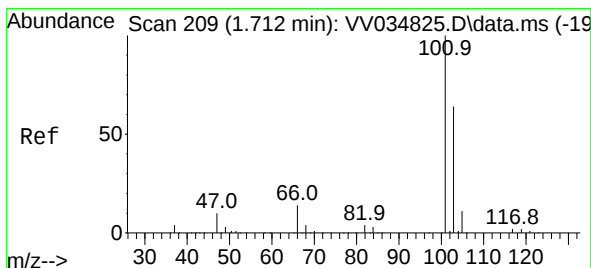
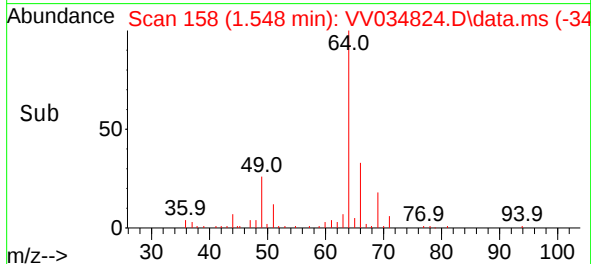
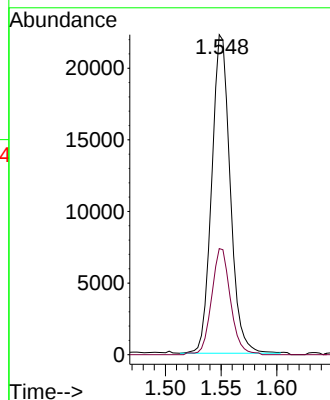
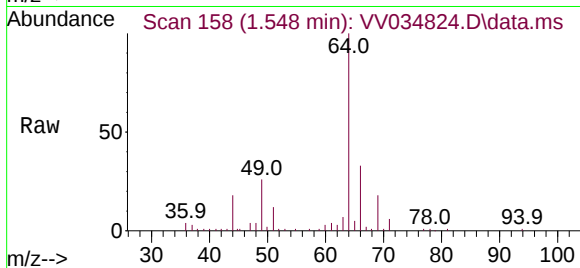




#8
Chloroethane
Concen: 10.764 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

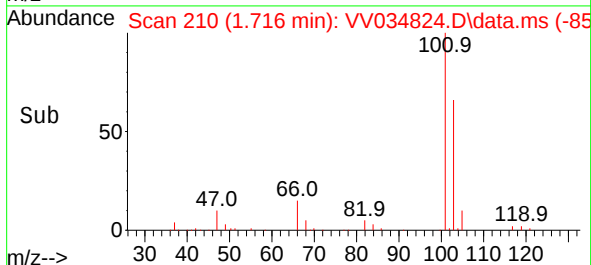
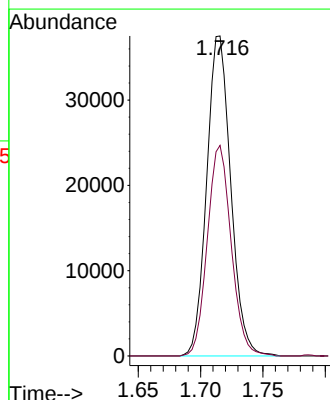
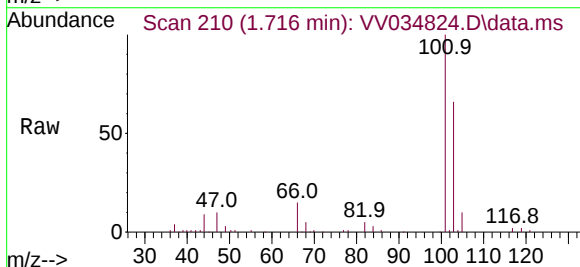
Instrument :
MSVOA_V
ClientSampleId :

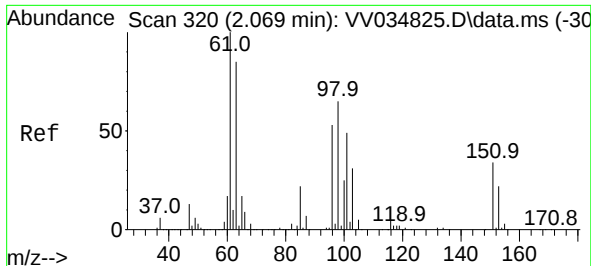
Tgt Ion: 64 Resp: 25674
Ion Ratio Lower Upper
64 100
66 33.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 8.872 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Tgt Ion:101 Resp: 50483
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4

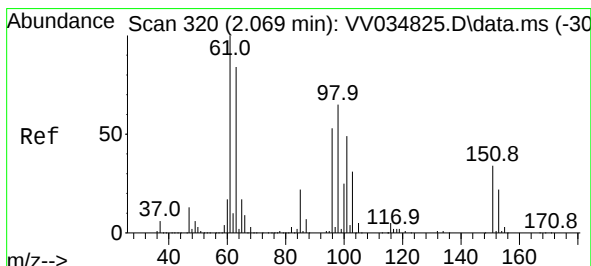
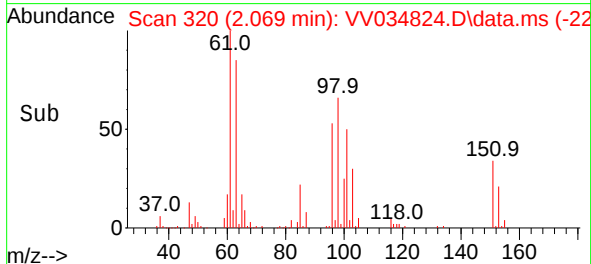
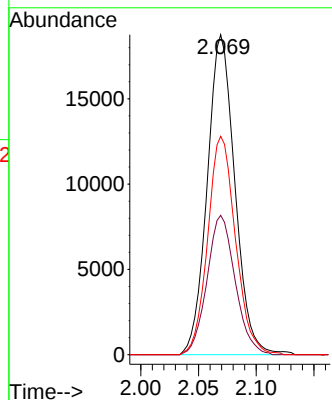
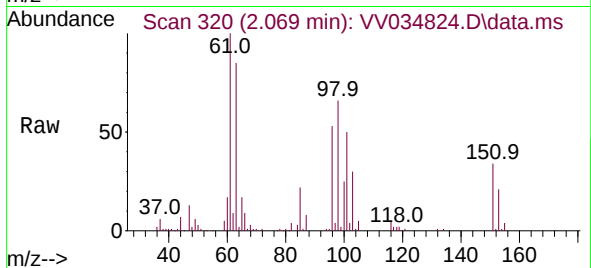




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.926 ug/L
RT: 2.069 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

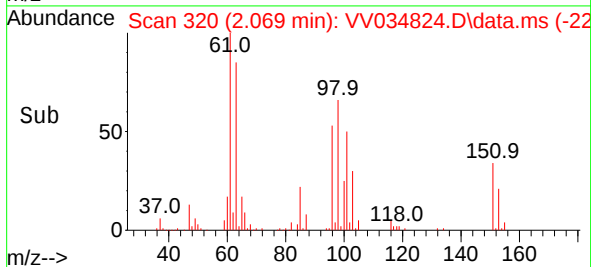
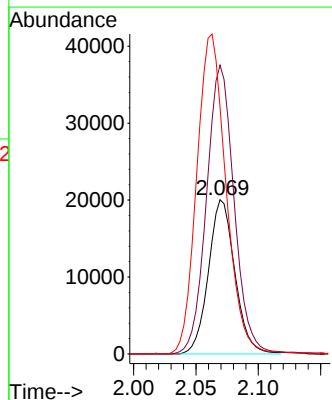
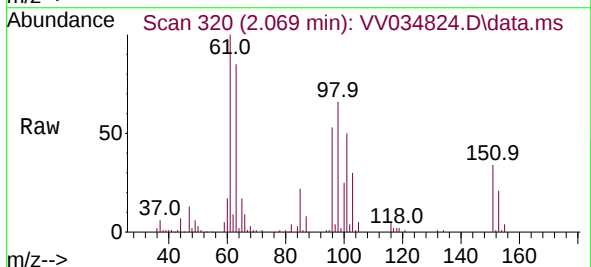
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MSVOA_V
ClientSampleId :

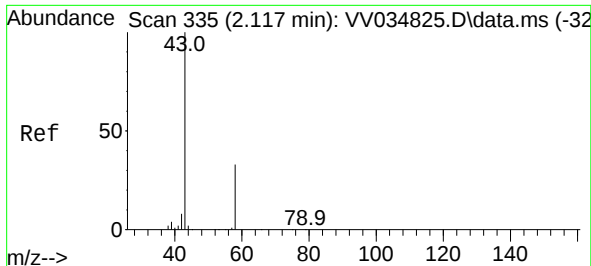
Tgt Ion:101 Resp: 31181
Ion Ratio Lower Upper
101 100
85 44.4 35.3 52.9
151 68.8 55.0 82.4



#12
1,1-Dichloroethene
Concen: 10.095 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Tgt Ion: 96 Resp: 29621
Ion Ratio Lower Upper
96 100
61 187.2 131.5 244.3
63 160.1 111.4 206.8





#13

Acetone

Concen: 16.019 ug/L

RT: 2.121 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

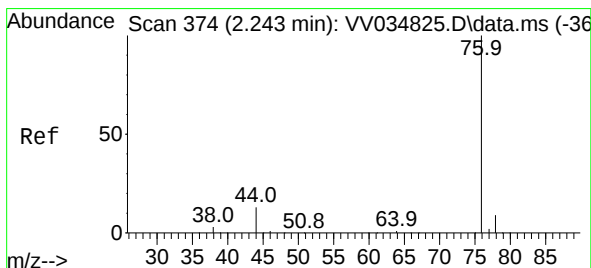
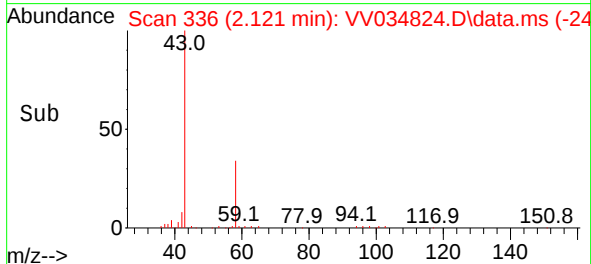
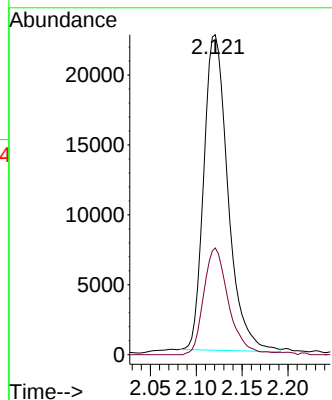
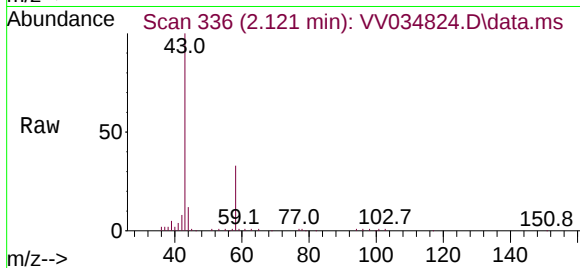
ClientSampleId :

Tgt Ion: 43 Resp: 41418

Ion Ratio Lower Upper

43 100

58 34.4 0.0 66.0



#14

Carbon disulfide

Concen: 10.366 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV034824.D

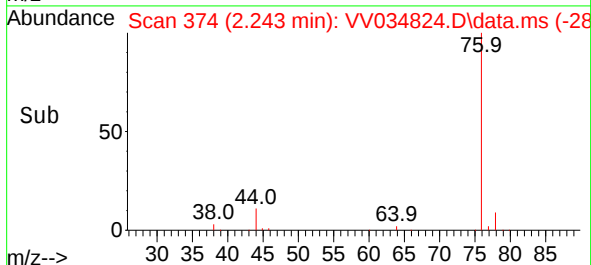
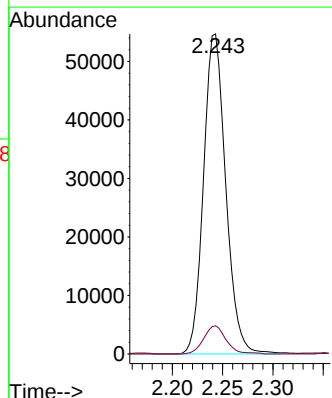
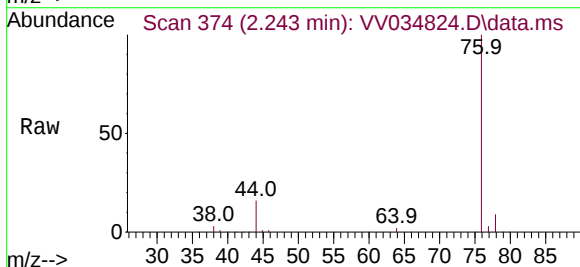
Acq: 26 Mar 2024 13:06

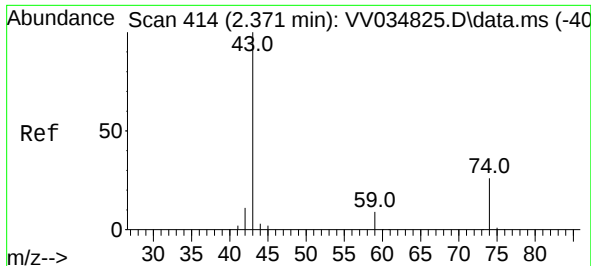
Tgt Ion: 76 Resp: 84180

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0





#15

Methyl Acetate

Concen: 8.319 ug/L

RT: 2.378 min Scan# 414

Delta R.T. 0.006 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

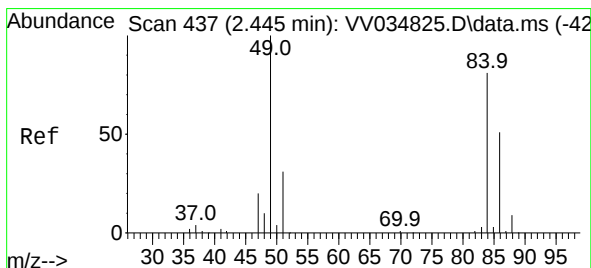
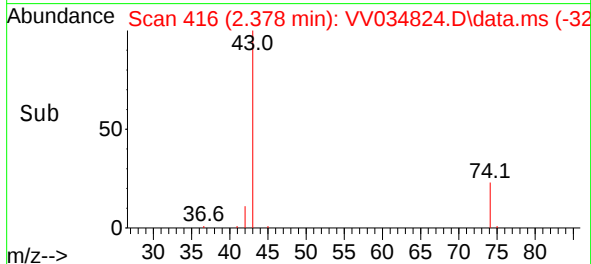
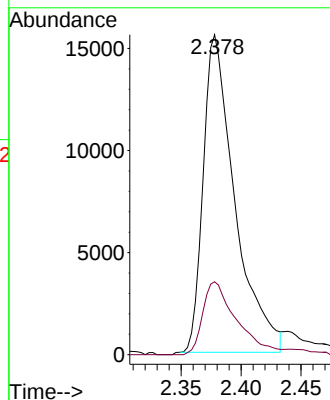
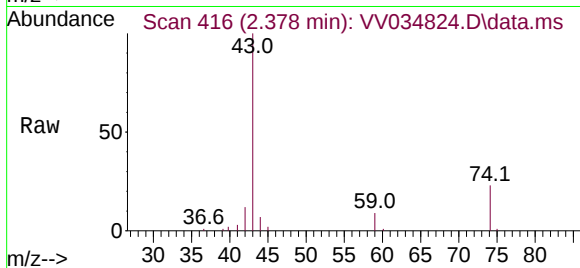
ClientSampleId :

Tgt Ion: 43 Resp: 28575

Ion Ratio Lower Upper

43 100

74 24.6 19.8 29.8



#16

Methylene chloride

Concen: 10.160 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

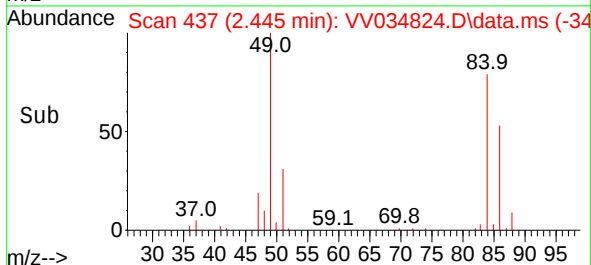
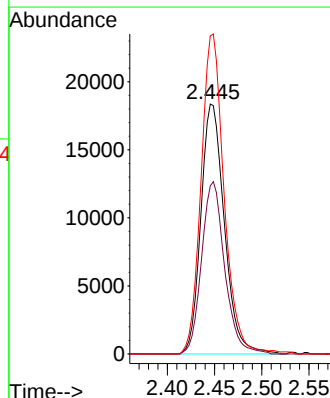
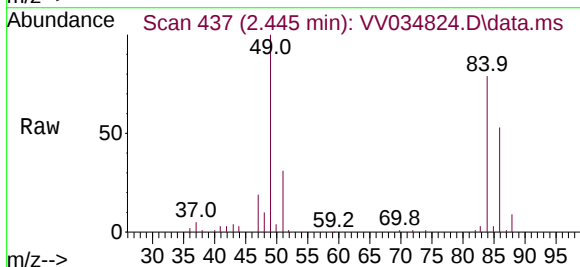
Tgt Ion: 84 Resp: 31720

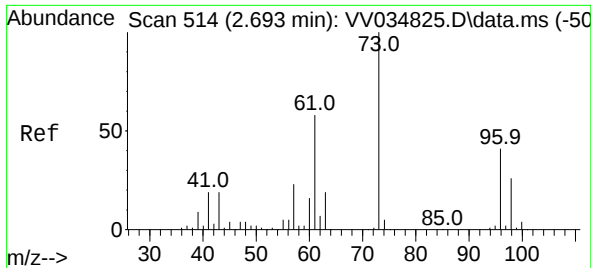
Ion Ratio Lower Upper

84 100

86 67.2 44.6 82.8

49 127.3 86.9 161.3





#17

trans-1,2-Dichloroethene

Concen: 9.812 ug/L

RT: 2.696 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

ClientSampleId :

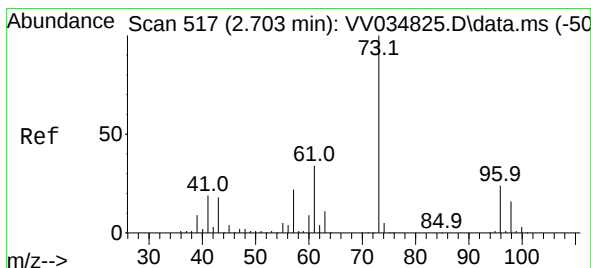
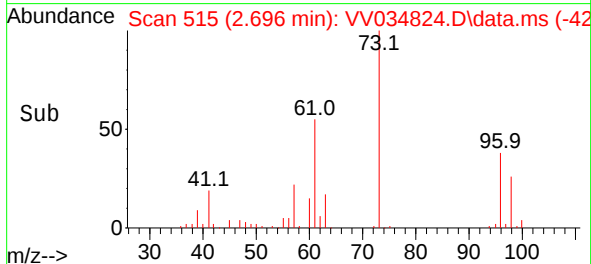
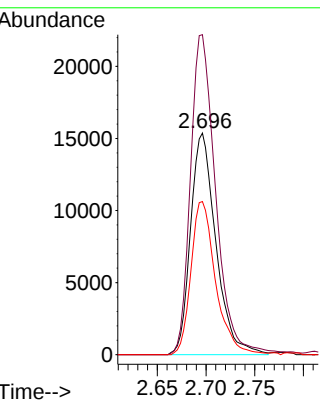
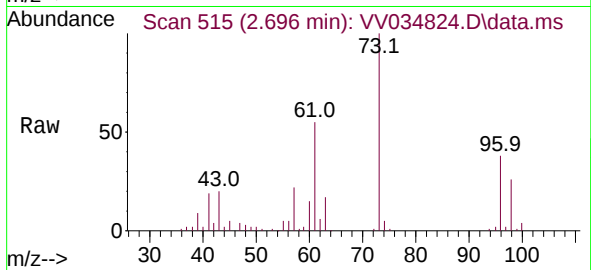
Tgt Ion: 96 Resp: 27870

Ion Ratio Lower Upper

96 100

61 144.4 99.0 183.8

98 69.1 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 9.145 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

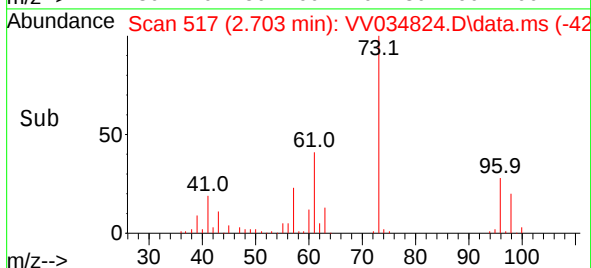
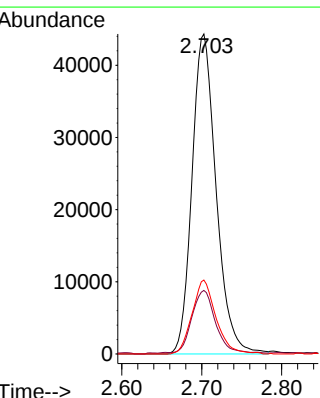
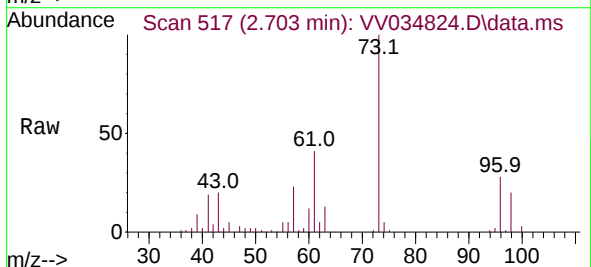
Tgt Ion: 73 Resp: 93129

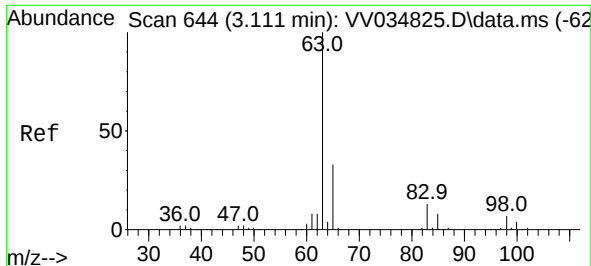
Ion Ratio Lower Upper

73 100

43 18.4 14.6 21.8

57 22.7 17.6 26.4

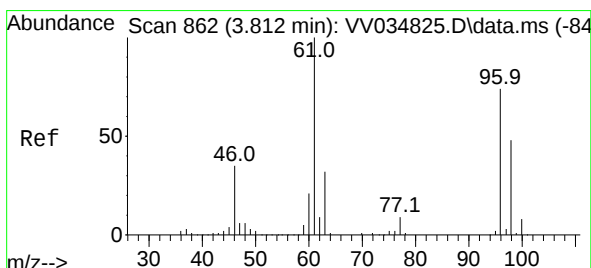
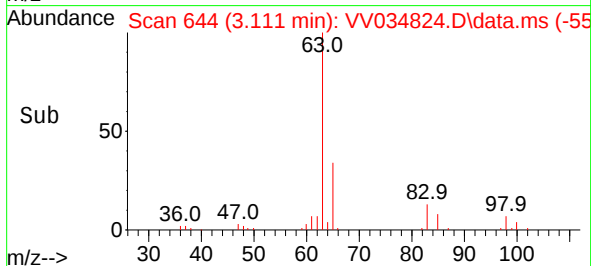
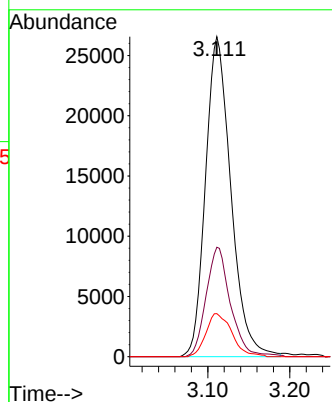
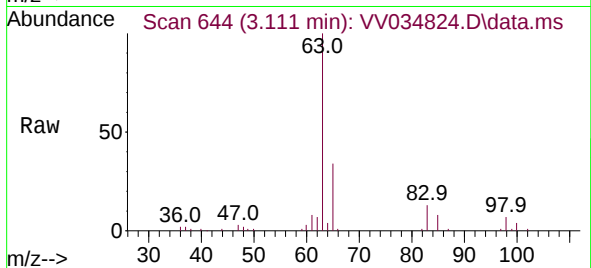




#19
1,1-Dichloroethane
Concen: 10.212 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

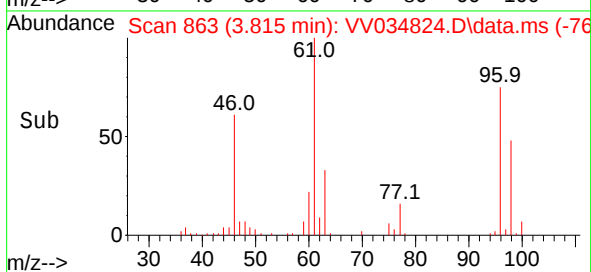
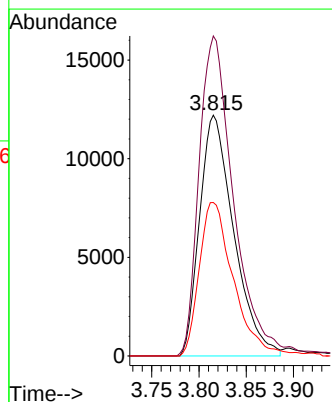
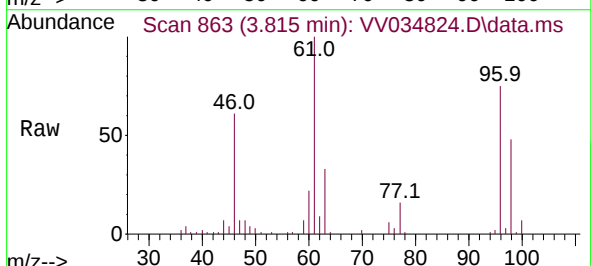
Instrument :
MSVOA_V
ClientSampleId :

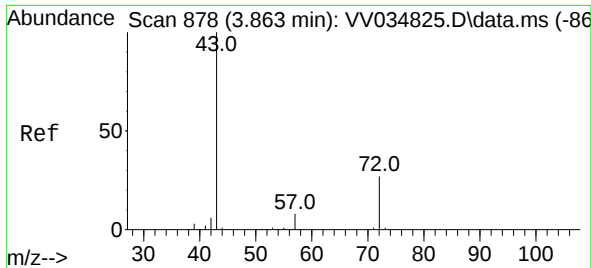
Tgt Ion:	63	Resp:	57201
Ion Ratio	Lower	Upper	
63	100		
65	34.2	23.0	42.6
83	13.5	9.1	16.9



#20
cis-1,2-Dichloroethene
Concen: 9.897 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.003 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Tgt Ion:	96	Resp:	30689
Ion Ratio	Lower	Upper	
96	100		
61	132.9	94.9	176.3
98	63.7	45.6	84.8

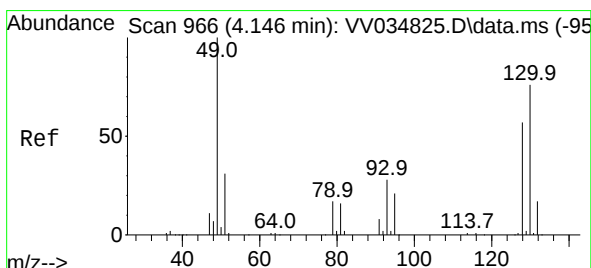
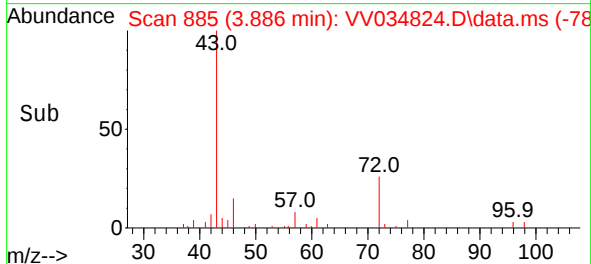
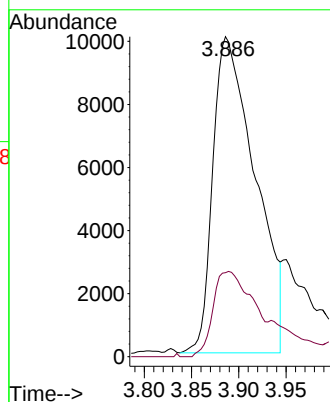
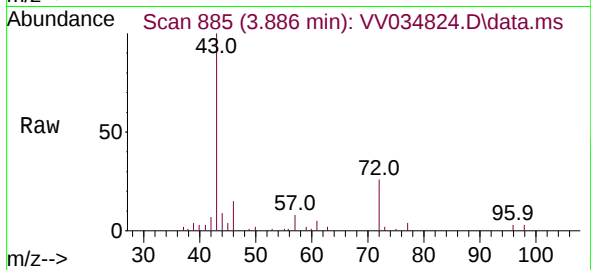




#22
2-Butanone
Concen: 11.919 ug/L
RT: 3.886 min Scan# 885
Delta R.T. 0.023 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

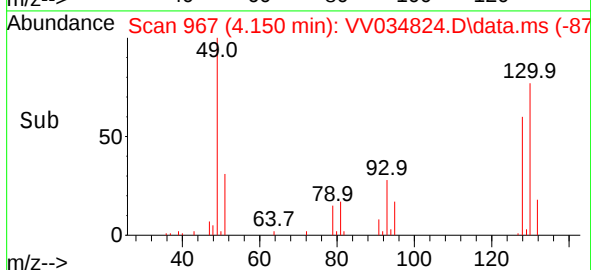
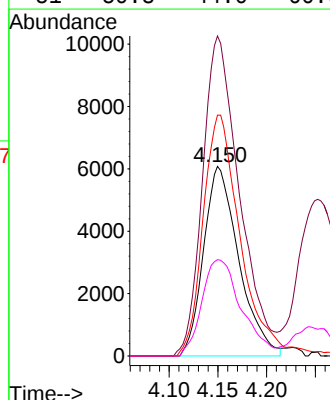
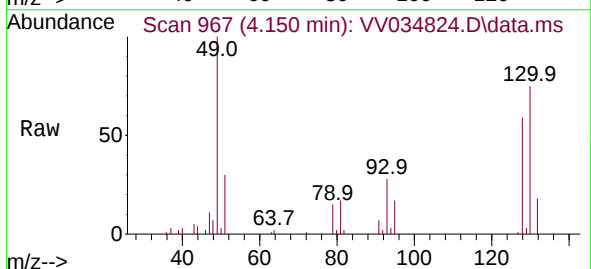
Instrument :
MSVOA_V
ClientSampleId :

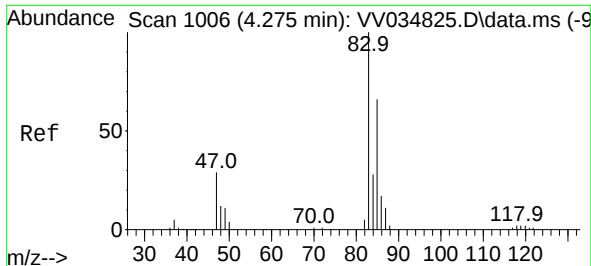
Tgt Ion: 43 Resp: 31295
Ion Ratio Lower Upper
43 100
72 25.5 13.2 39.6



#23
Bromochloromethane
Concen: 9.572 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Tgt Ion:128 Resp: 15254
Ion Ratio Lower Upper
128 100
49 168.8 123.8 229.8
130 127.1 93.2 173.0
51 50.8 44.0 66.0





#25

Chloroform

Concen: 9.903 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

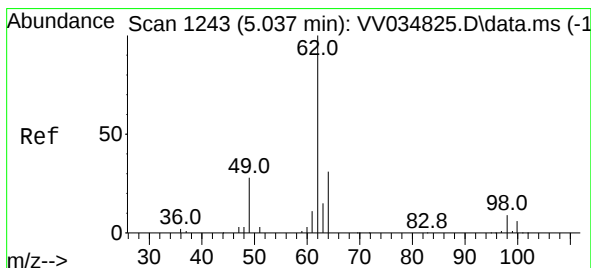
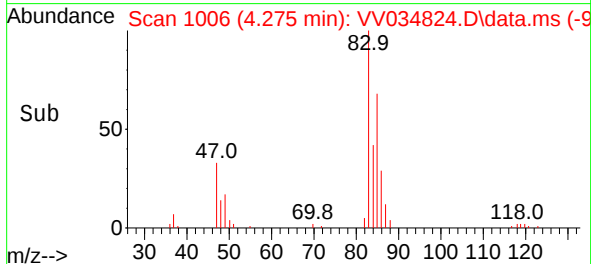
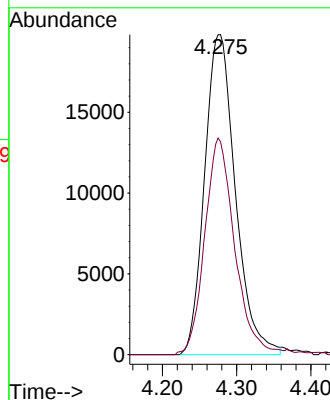
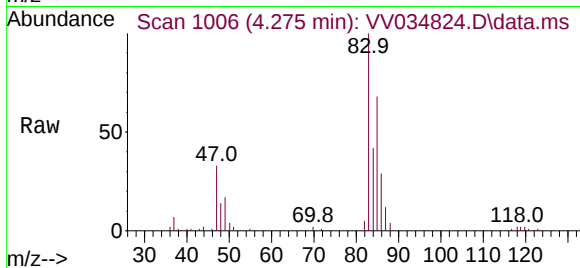
ClientSampleId :

Tgt Ion: 83 Resp: 57163

Ion Ratio Lower Upper

83 100

85 67.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 9.296 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.006 min

Lab File: VV034824.D

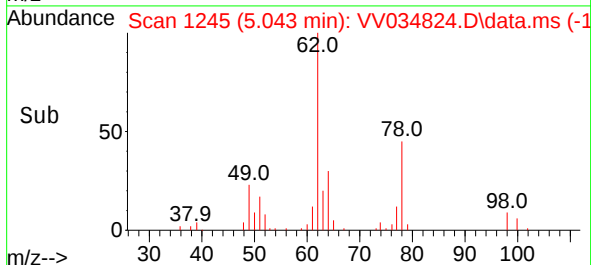
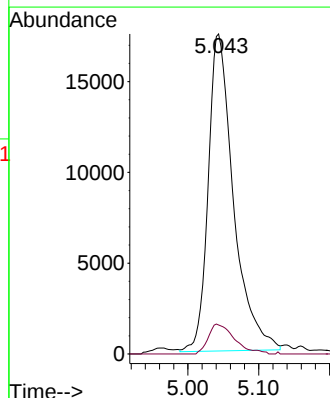
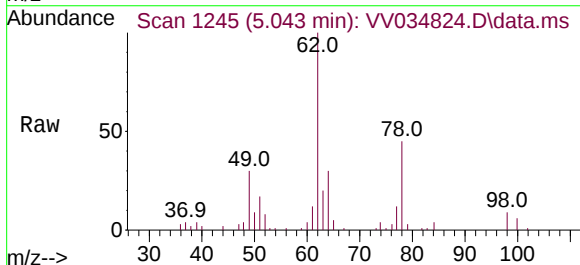
Acq: 26 Mar 2024 13:06

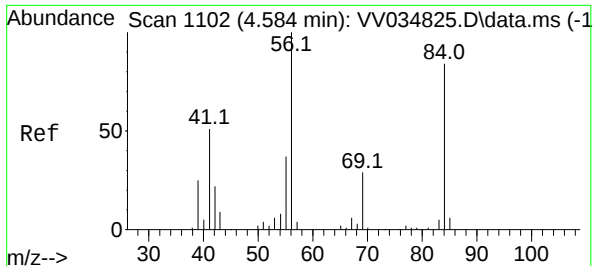
Tgt Ion: 62 Resp: 43349

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8





#29

Cyclohexane

Concen: 9.442 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

ClientSampleId :

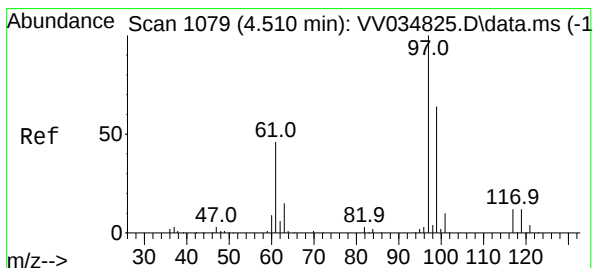
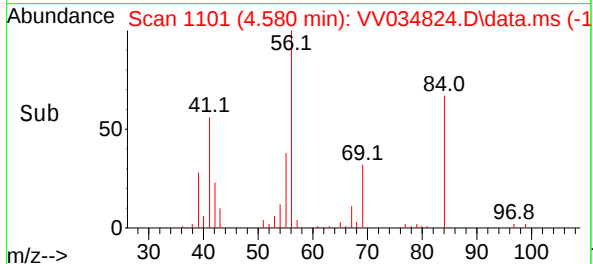
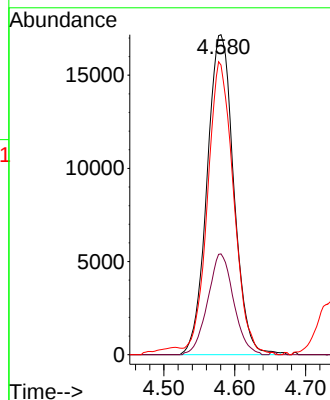
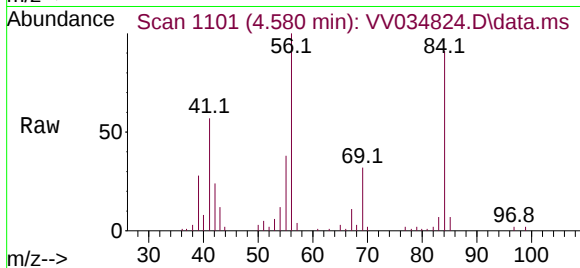
Tgt Ion: 56 Resp: 44927

Ion Ratio Lower Upper

56 100

69 30.6 24.2 36.2

84 88.1 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 9.546 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

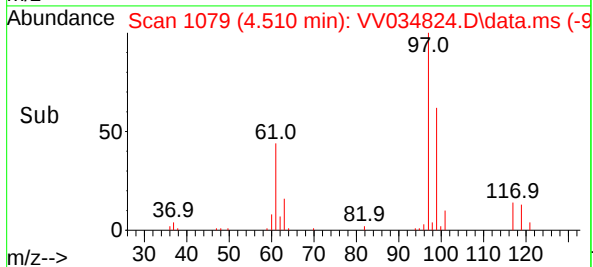
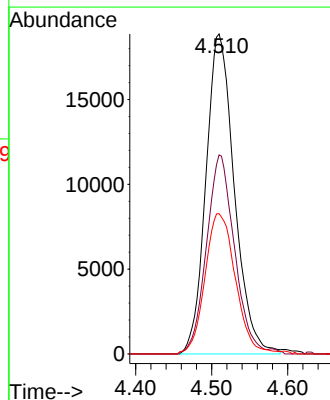
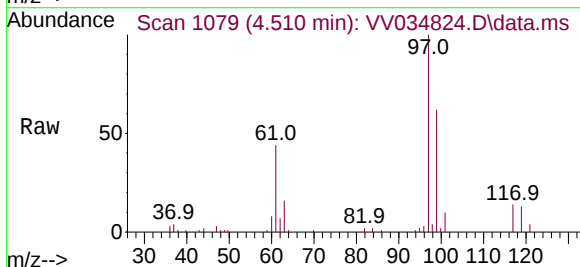
Tgt Ion: 97 Resp: 49114

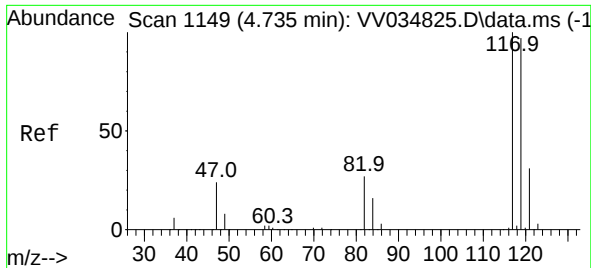
Ion Ratio Lower Upper

97 100

99 61.0 51.0 76.4

61 46.9 36.8 55.2

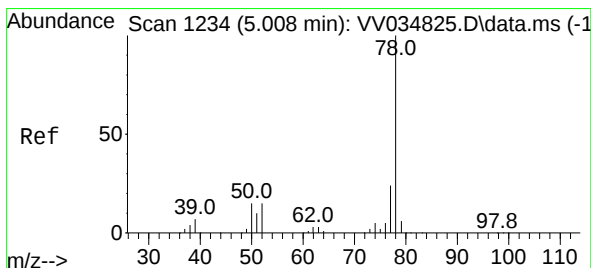
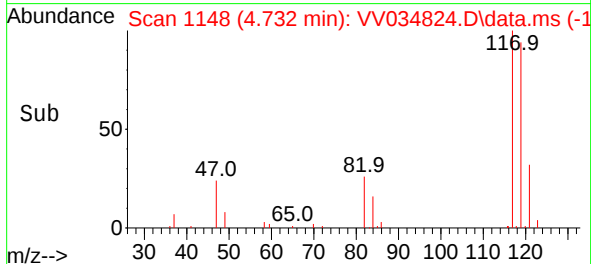
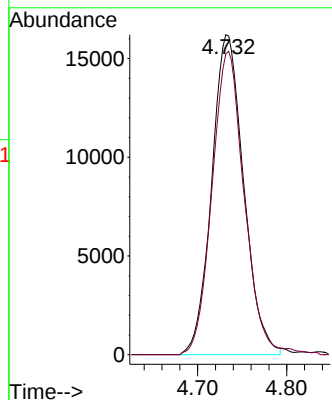
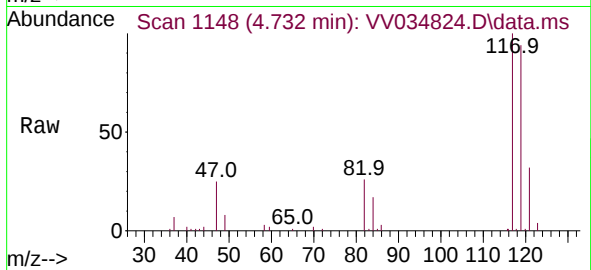




#31
Carbon tetrachloride
Concen: 8.918 ug/L
RT: 4.732 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

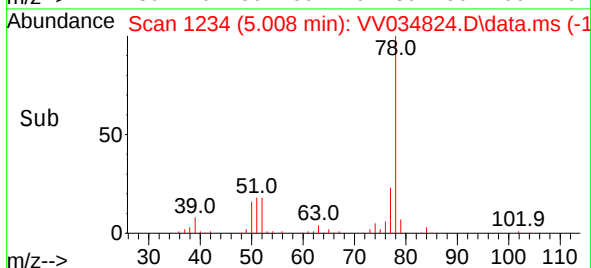
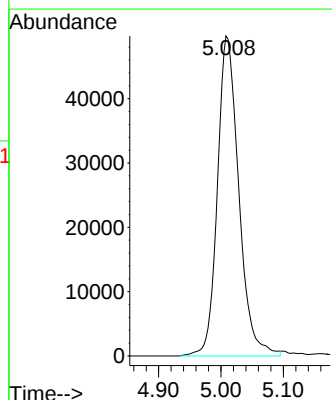
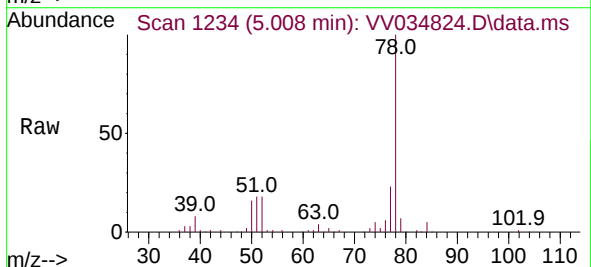
Instrument :
MSVOA_V
ClientSampleId :

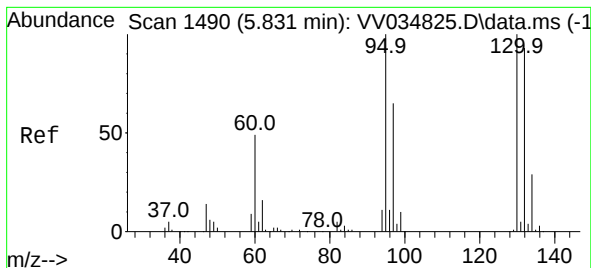
Tgt Ion:117 Resp: 40360
Ion Ratio Lower Upper
117 100
119 94.8 77.1 115.7



#33
Benzene
Concen: 10.305 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Tgt Ion: 78 Resp: 118376





#34

Trichloroethene

Concen: 10.057 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 32509

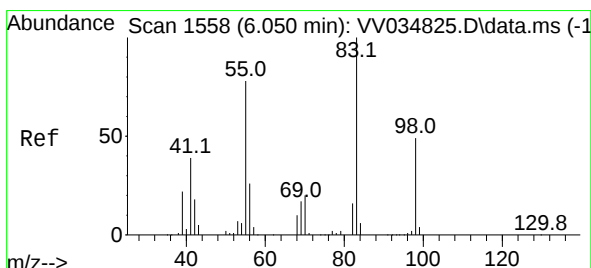
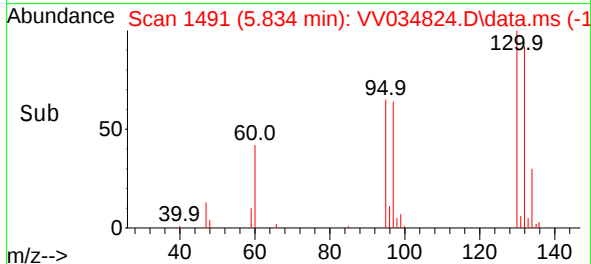
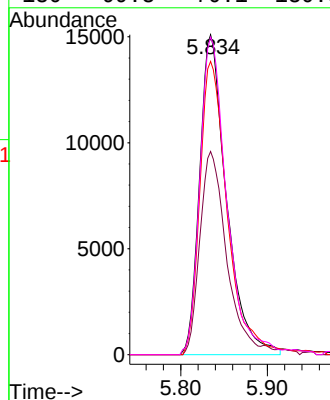
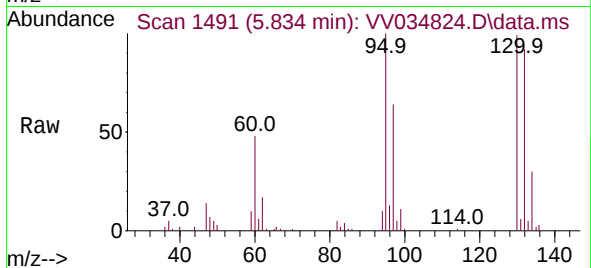
Ion Ratio Lower Upper

95 100

97 63.5 45.3 84.1

132 91.6 65.3 121.3

130 99.3 70.1 130.3



#35

Methylcyclohexane

Concen: 9.869 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

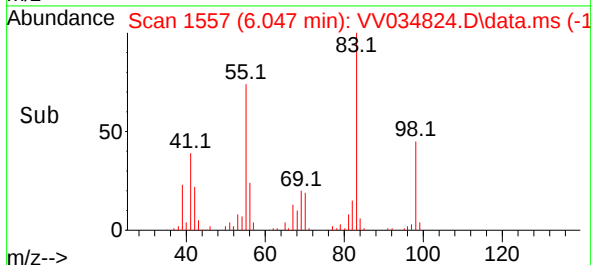
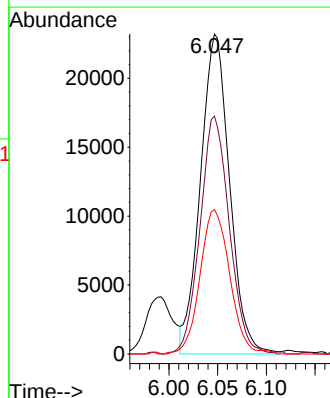
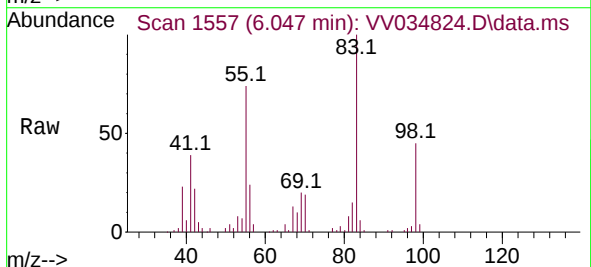
Tgt Ion: 83 Resp: 48327

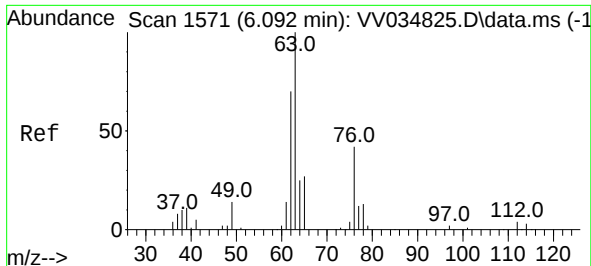
Ion Ratio Lower Upper

83 100

55 74.6 60.0 90.0

98 45.6 37.6 56.4





#37

1,2-Dichloropropane

Concen: 10.604 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

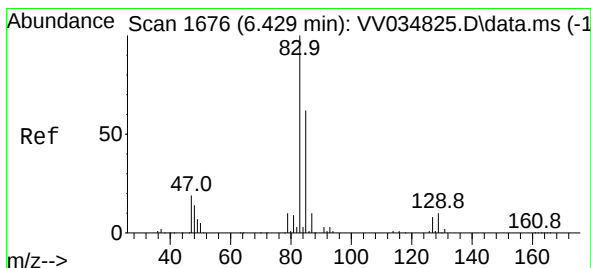
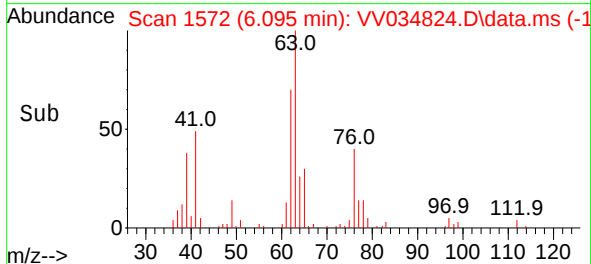
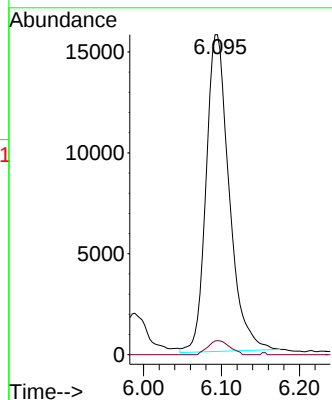
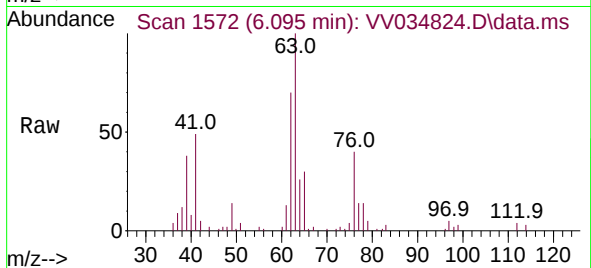
ClientSampleId :

Tgt Ion: 63 Resp: 32354

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 9.807 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

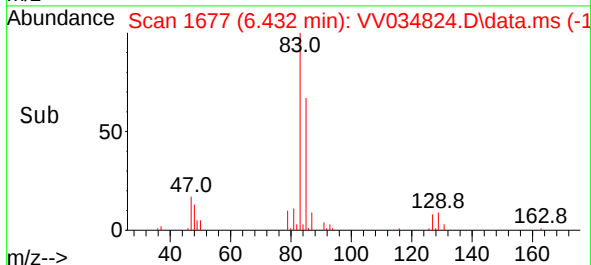
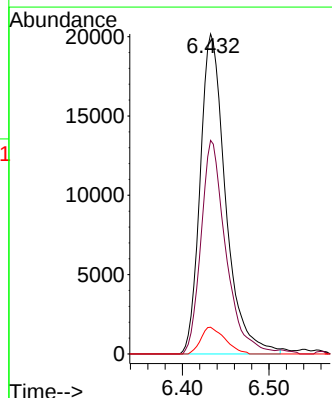
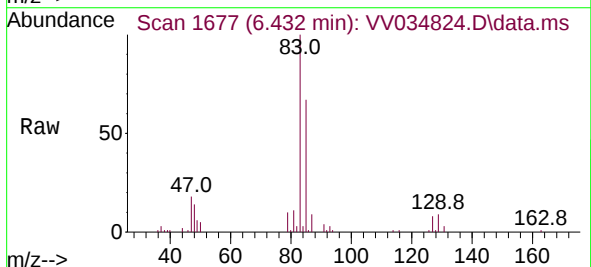
Tgt Ion: 83 Resp: 41180

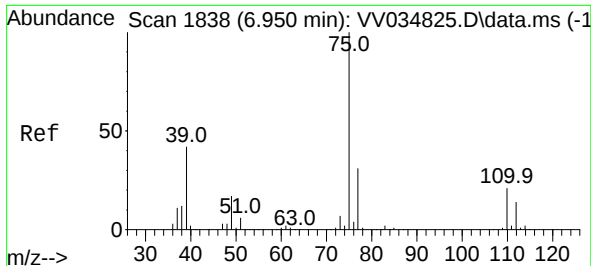
Ion Ratio Lower Upper

83 100

85 66.7 43.7 81.1

127 8.3 6.4 9.6

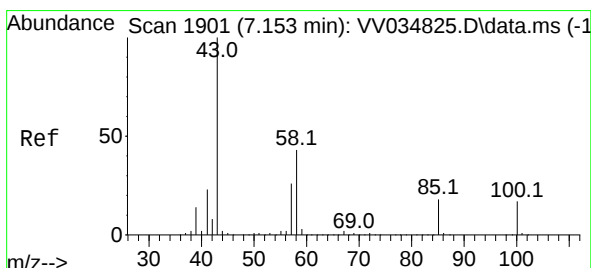
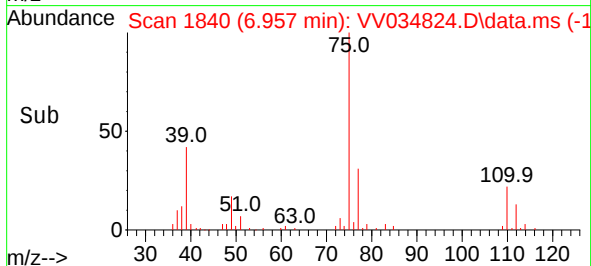
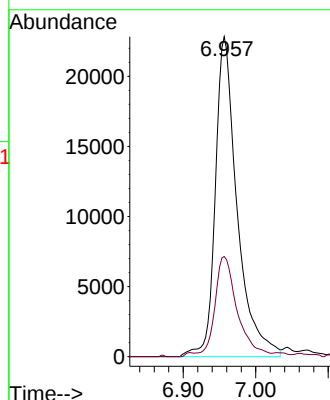
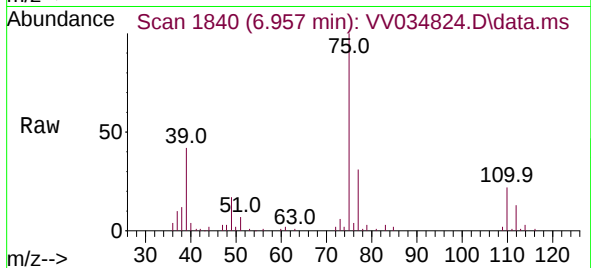




#39
cis-1,3-Dichloropropene
Concen: 9.771 ug/L
RT: 6.957 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

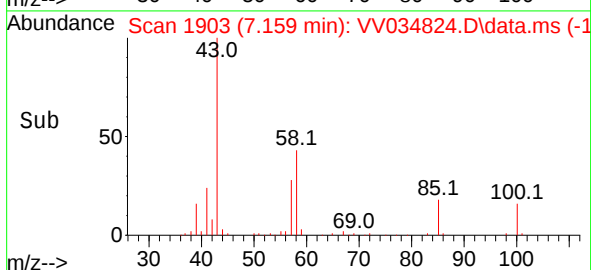
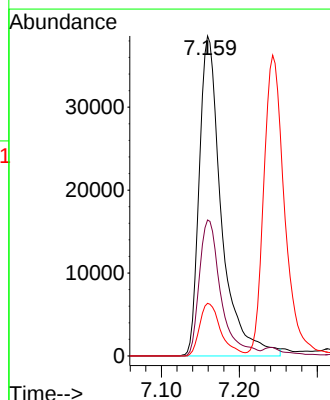
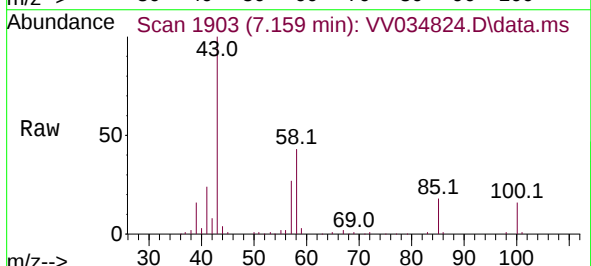
Instrument :
MSVOA_V
ClientSampleId :

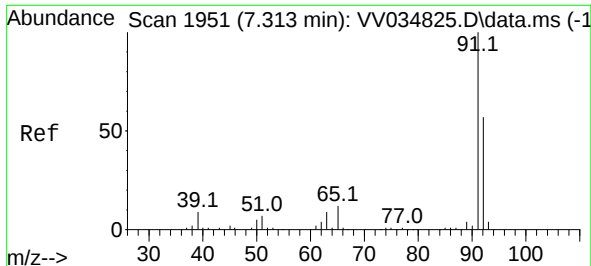
Tgt Ion: 75 Resp: 47808
Ion Ratio Lower Upper
75 100
77 31.3 21.9 40.7



#40
4-Methyl-2-pentanone
Concen: 17.493 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Tgt Ion: 43 Resp: 76363
Ion Ratio Lower Upper
43 100
58 41.4 33.8 50.8
100 15.7 13.0 19.4





#42

Toluene

Concen: 9.976 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

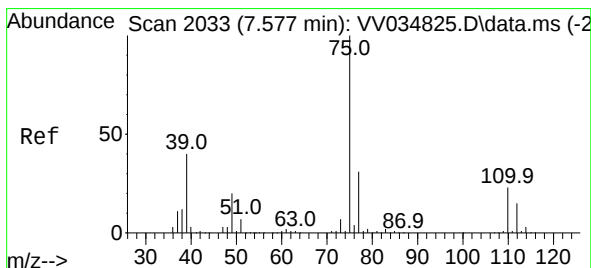
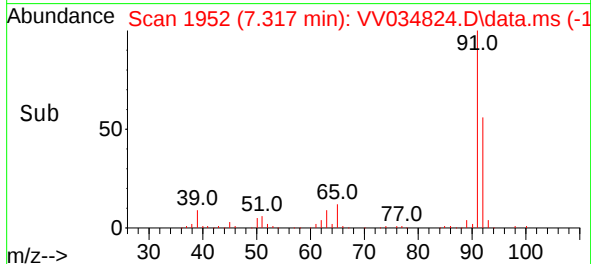
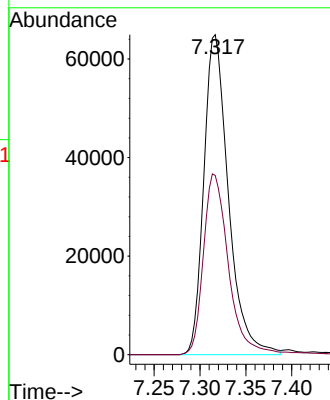
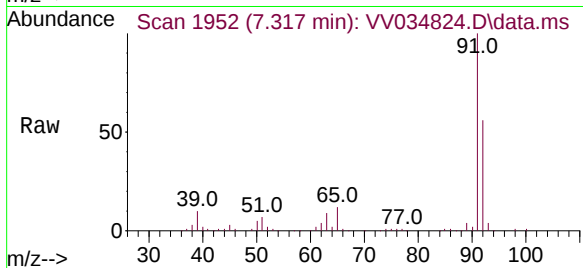
ClientSampleId :

Tgt Ion: 91 Resp: 121192

Ion Ratio Lower Upper

91 100

92 56.0 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 9.081 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.006 min

Lab File: VV034824.D

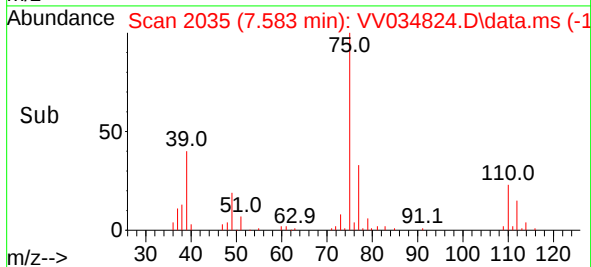
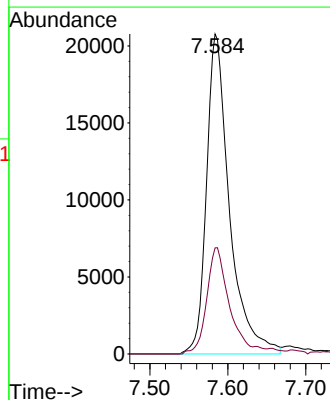
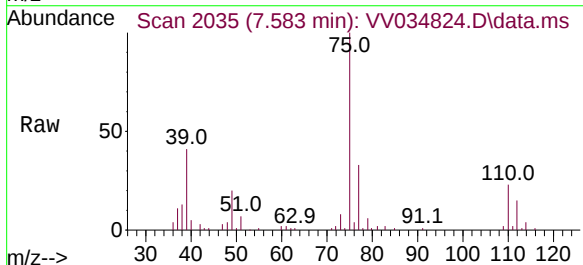
Acq: 26 Mar 2024 13:06

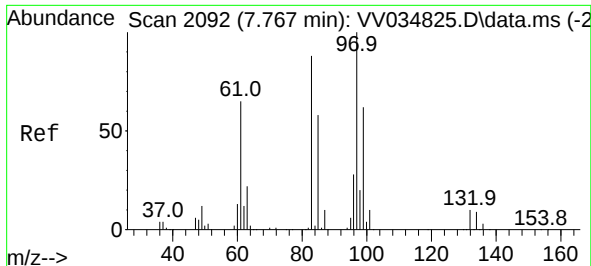
Tgt Ion: 75 Resp: 42578

Ion Ratio Lower Upper

75 100

77 33.1 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 10.551 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 30840

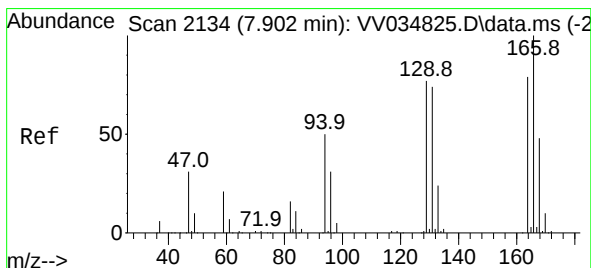
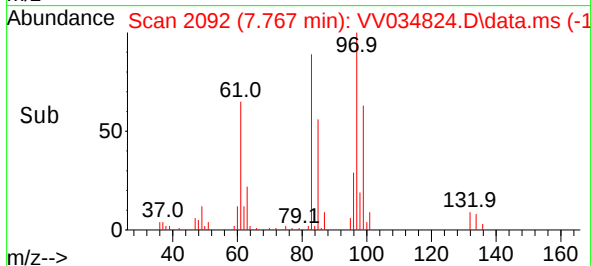
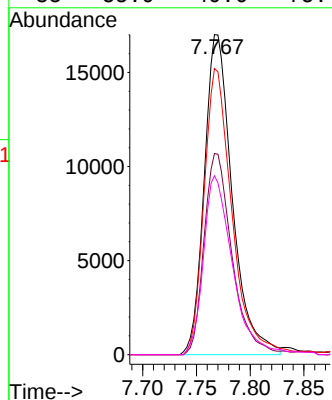
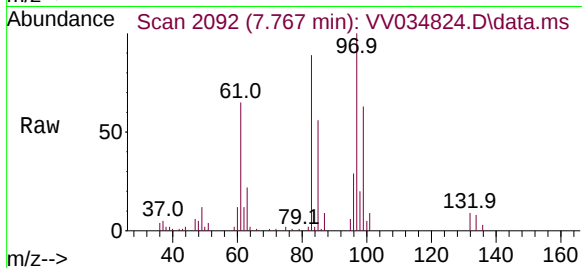
Ion Ratio Lower Upper

97 100

99 62.8 43.3 80.3

83 89.4 61.6 114.4

85 55.9 40.6 75.4



#46

Tetrachloroethene

Concen: 9.712 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Tgt Ion:164 Resp: 23012

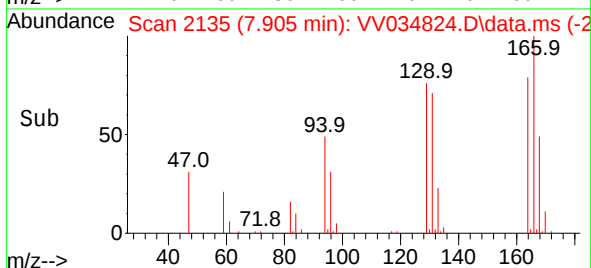
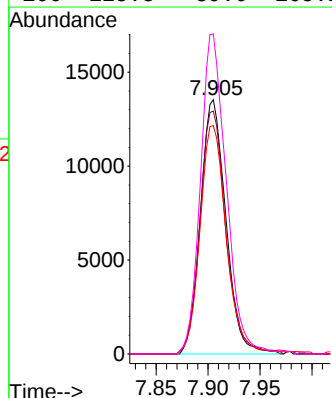
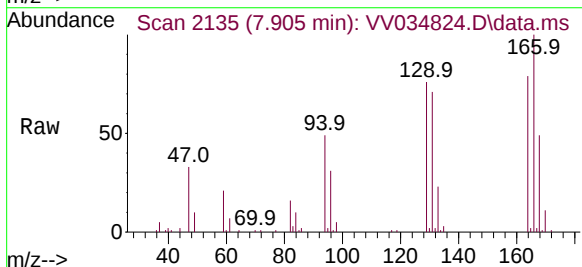
Ion Ratio Lower Upper

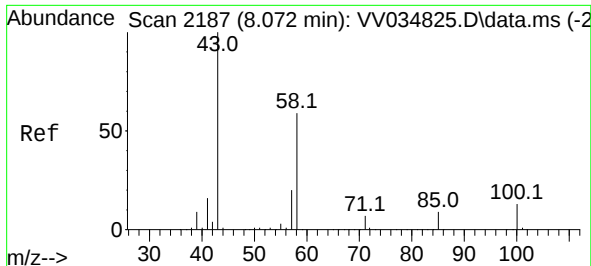
164 100

129 95.5 68.6 127.4

131 89.8 65.7 122.1

166 125.8 89.0 165.2





#48

2-Hexanone

Concen: 17.120 ug/L

RT: 8.079 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 59523

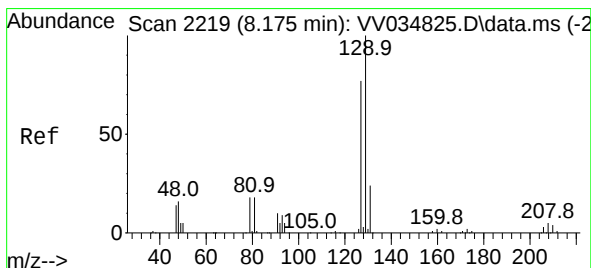
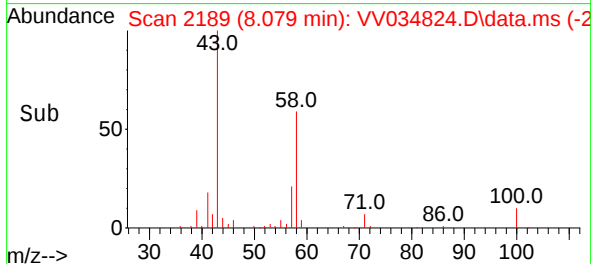
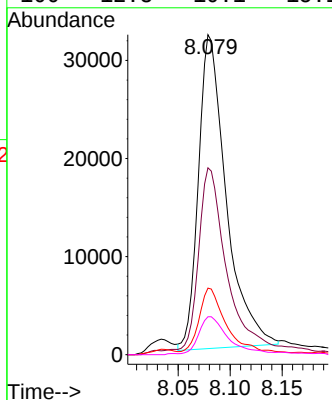
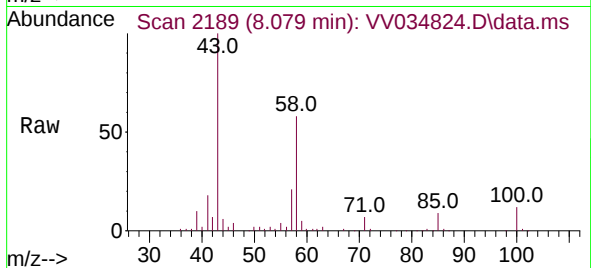
Ion Ratio Lower Upper

43 100

58 57.6 45.4 68.2

57 19.1 16.2 24.4

100 12.3 10.1 15.1



#49

Dibromochloromethane

Concen: 9.319 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV034824.D

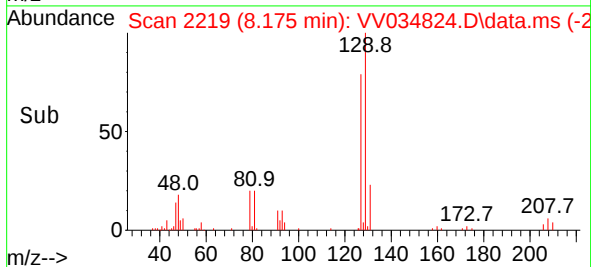
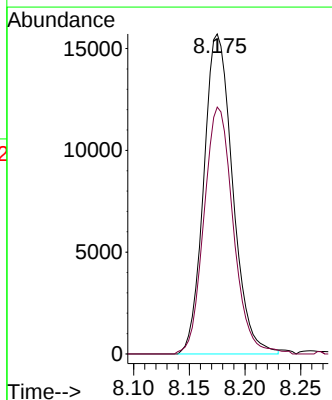
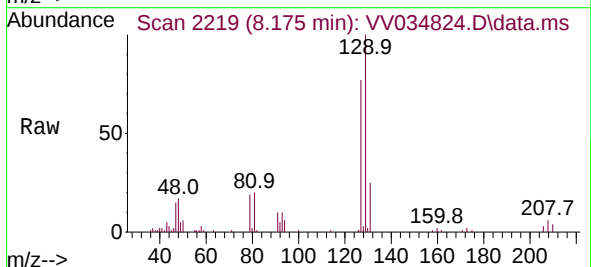
Acq: 26 Mar 2024 13:06

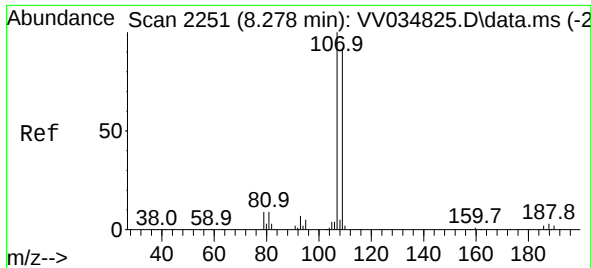
Tgt Ion: 129 Resp: 28397

Ion Ratio Lower Upper

129 100

127 77.1 54.1 100.5

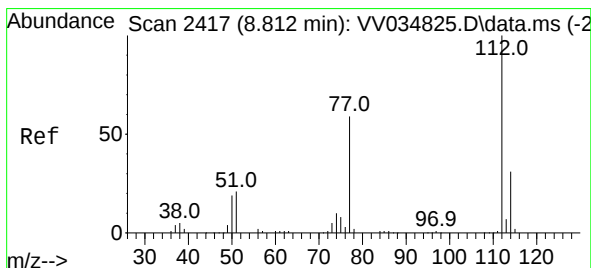
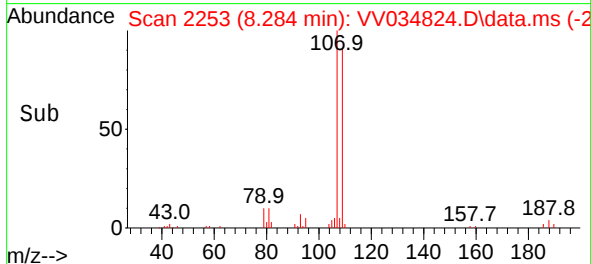
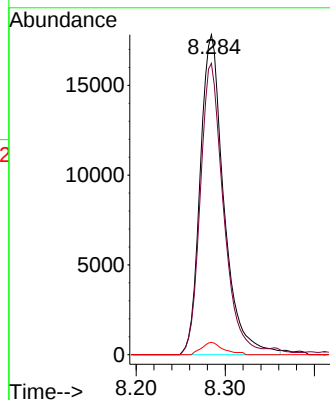
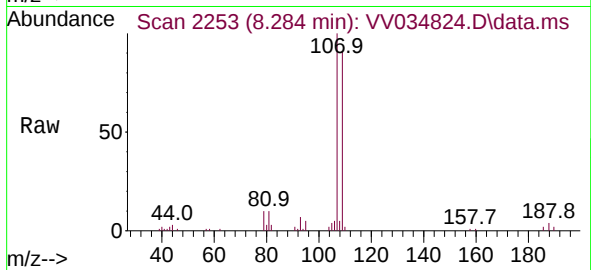




#50
1,2-Dibromoethane
Concen: 10.615 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

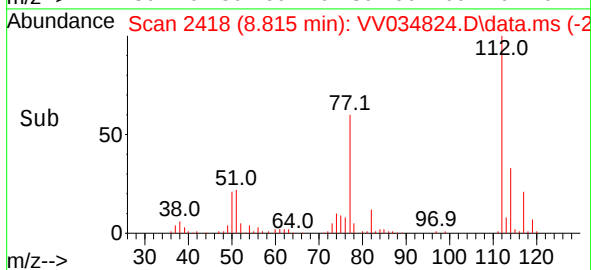
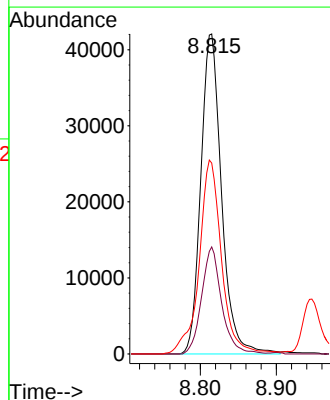
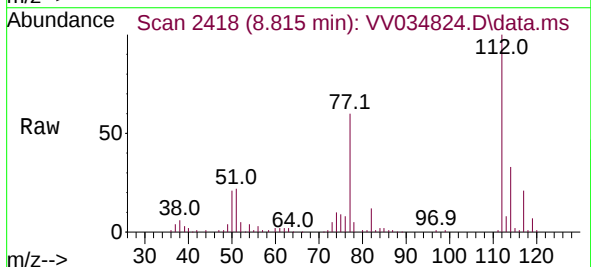
Instrument :
MSVOA_V
ClientSampleId :

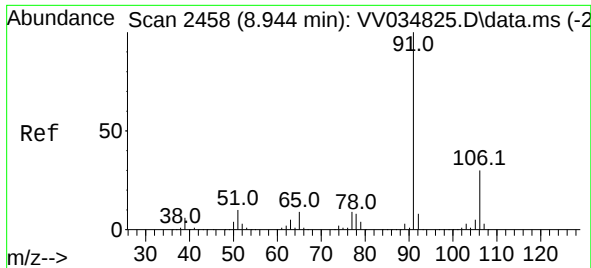
Tgt Ion:	107	Resp:	32968
Ion Ratio	Lower	Upper	
107	100		
109	91.1	64.5	119.9
188	3.8	2.8	4.2



#51
Chlorobenzene
Concen: 10.134 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Tgt Ion:	112	Resp:	79745
Ion Ratio	Lower	Upper	
112	100		
114	33.5	22.0	41.0
77	59.6	47.4	71.2





#52

Ethylbenzene

Concen: 9.934 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

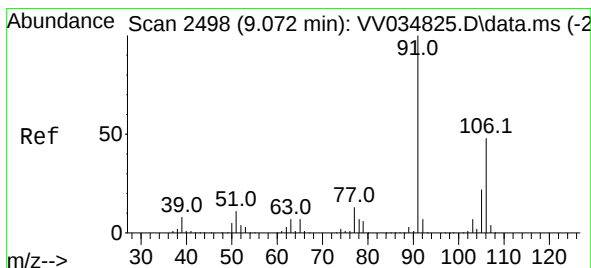
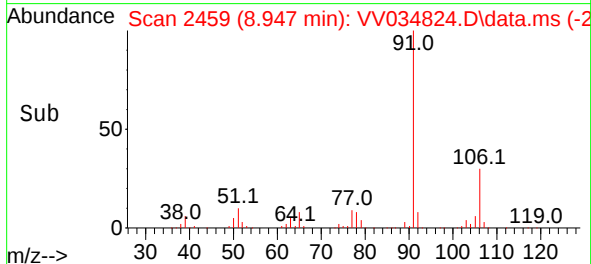
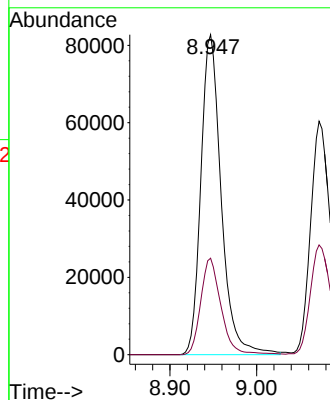
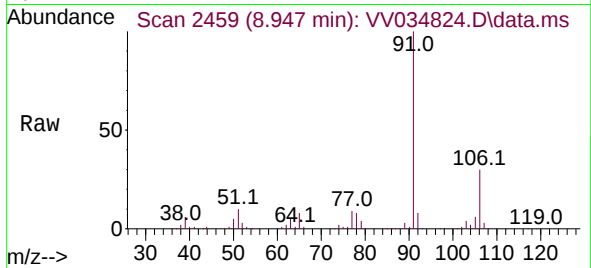
ClientSampleId :

Tgt Ion: 91 Resp: 134702

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.5



#53

m,p-Xylene

Concen: 9.211 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV034824.D

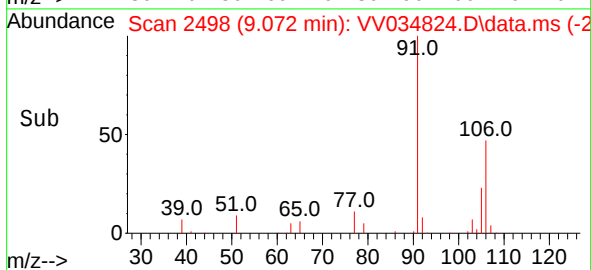
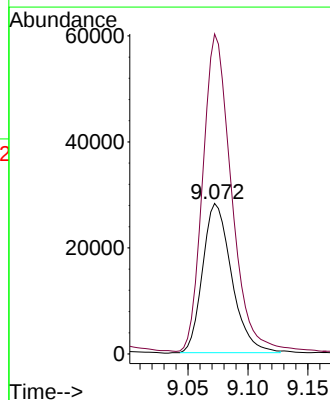
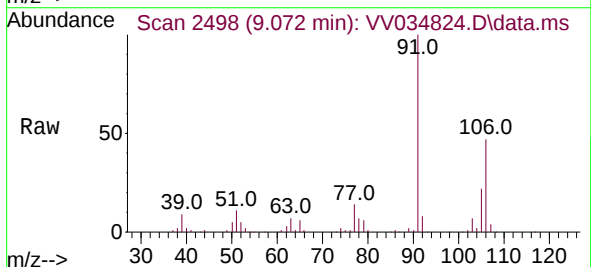
Acq: 26 Mar 2024 13:06

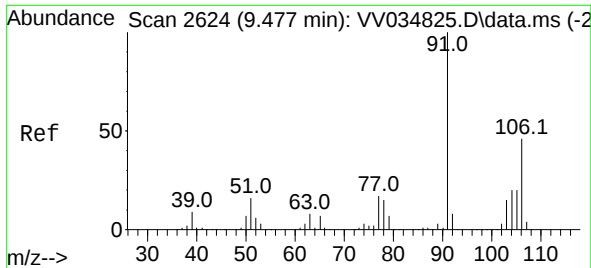
Tgt Ion:106 Resp: 47377

Ion Ratio Lower Upper

106 100

91 212.6 144.8 269.0

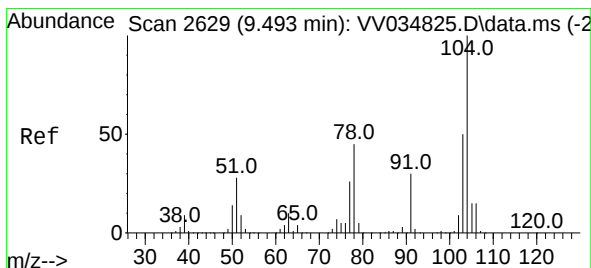
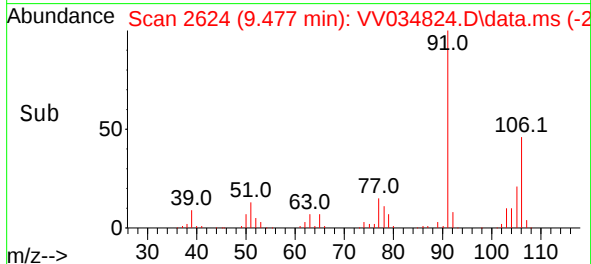
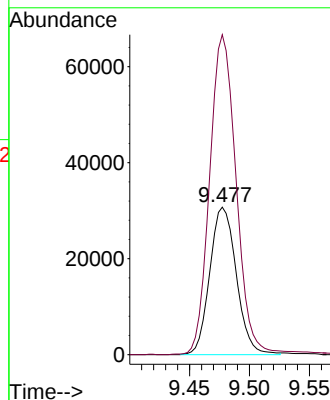
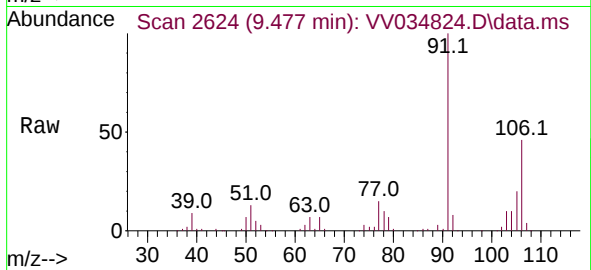




#54
o-Xylene
Concen: 9.394 ug/L
RT: 9.477 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

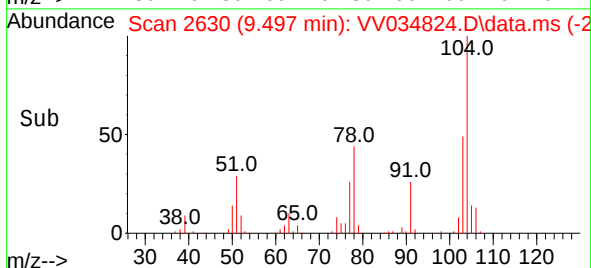
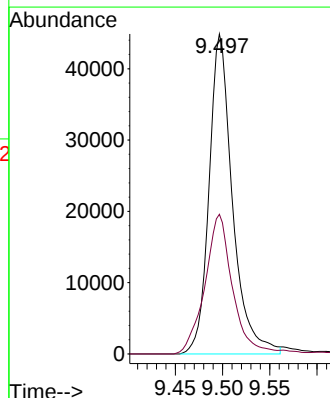
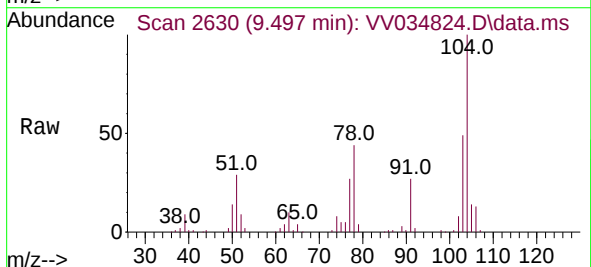
Instrument :
MSVOA_V
ClientSampleId :

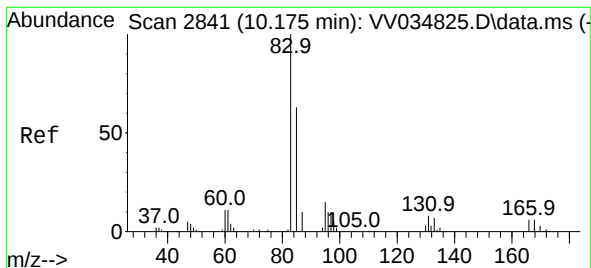
Tgt Ion:106 Resp: 47401
Ion Ratio Lower Upper
106 100
91 216.8 151.3 280.9



#55
Styrene
Concen: 9.081 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Tgt Ion:104 Resp: 77449
Ion Ratio Lower Upper
104 100
78 43.7 31.5 58.5





#57

1,1,2,2-Tetrachloroethane

Concen: 10.503 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

ClientSampleId :

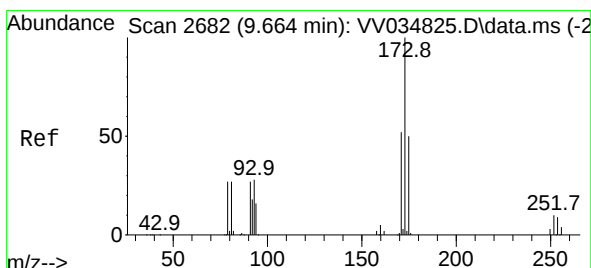
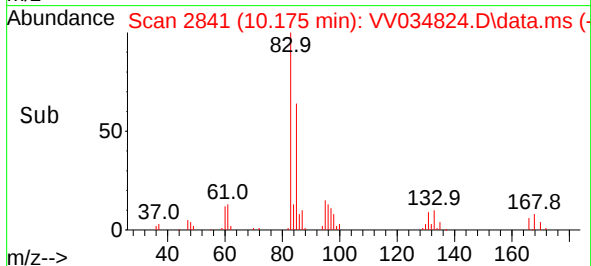
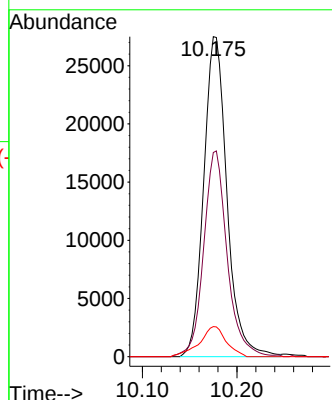
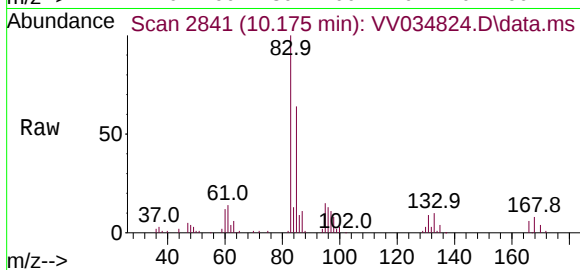
Tgt Ion: 83 Resp: 47099

Ion Ratio Lower Upper

83 100

85 63.8 44.5 82.7

131 9.4 6.9 10.3



#59

Bromoform

Concen: 9.140 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

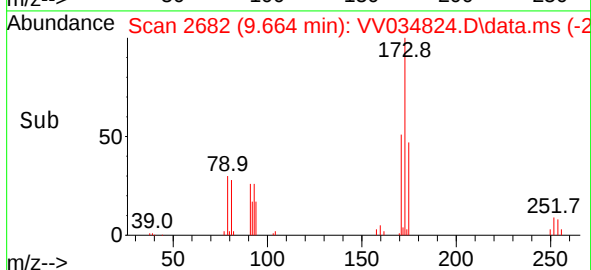
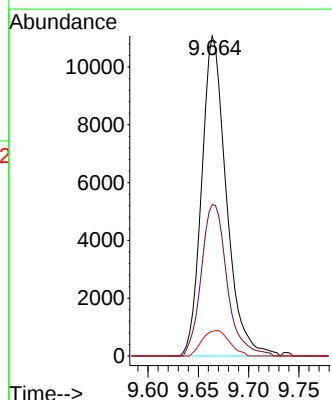
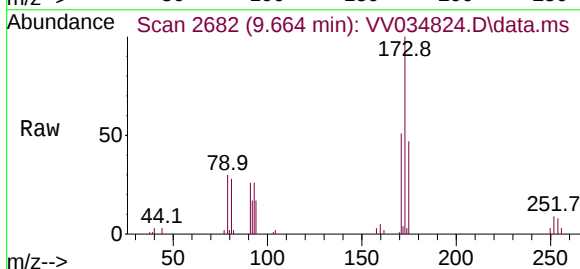
Tgt Ion: 173 Resp: 18851

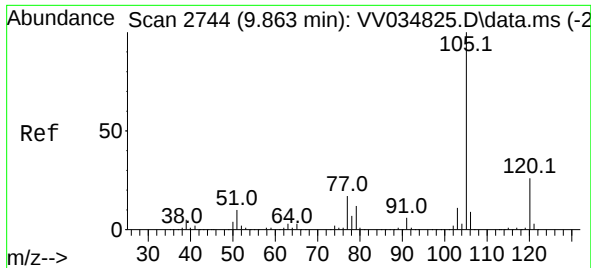
Ion Ratio Lower Upper

173 100

175 49.5 39.3 58.9

254 8.8 7.5 11.3

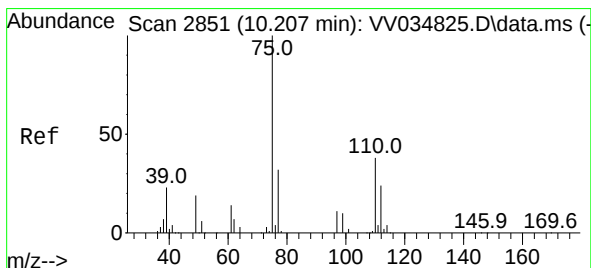
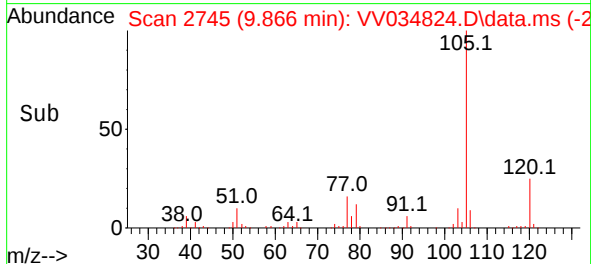
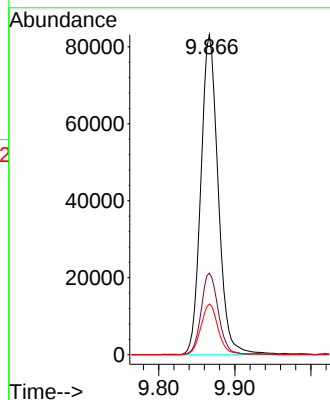
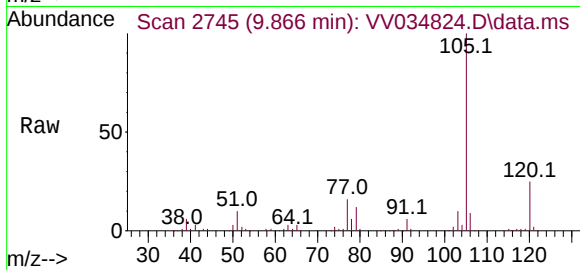




#60
Isopropylbenzene
Concen: 9.984 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

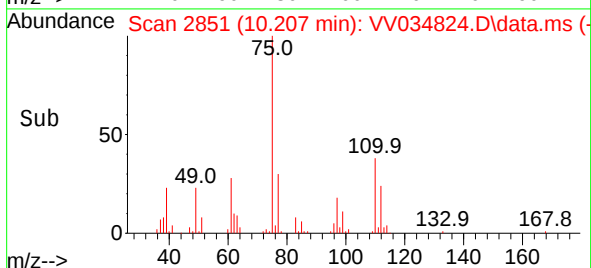
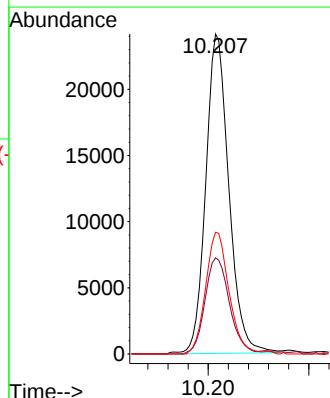
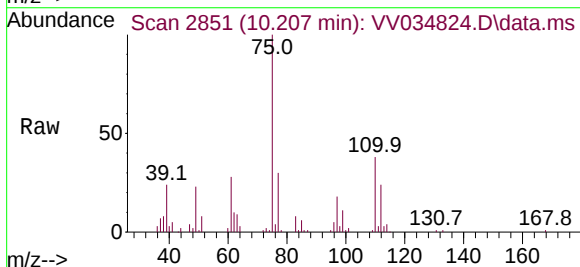
Instrument :
MSVOA_V
ClientSampleId :

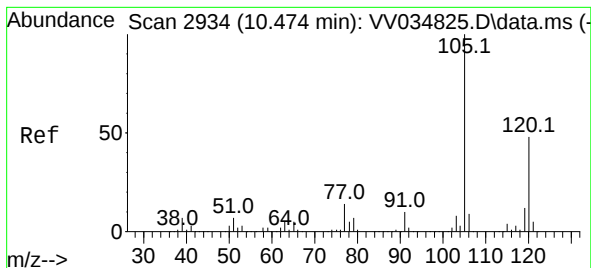
Tgt Ion:105 Resp: 131322
Ion Ratio Lower Upper
105 100
120 25.3 21.0 31.6
77 15.9 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 10.547 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Tgt Ion: 75 Resp: 38405
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0
110 38.5 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 7.628 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

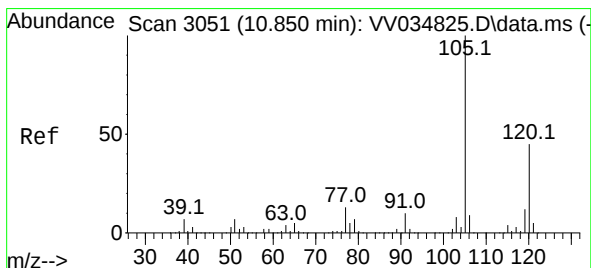
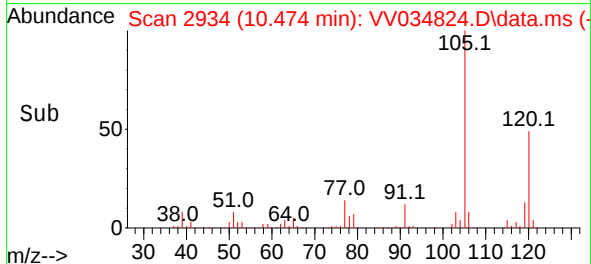
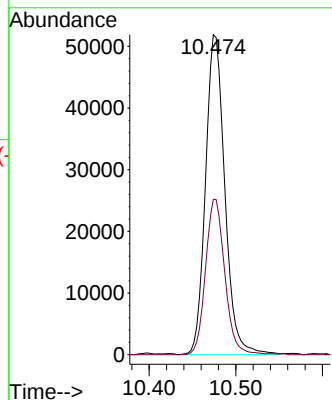
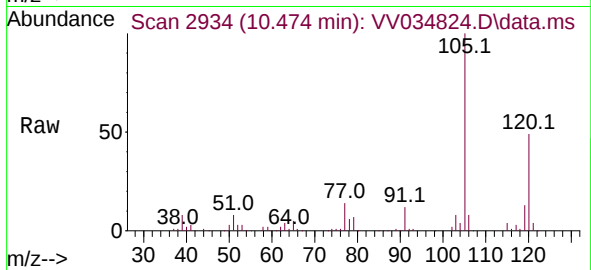
ClientSampleId :

Tgt Ion:105 Resp: 80683

Ion Ratio Lower Upper

105 100

120 48.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 8.909 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034824.D

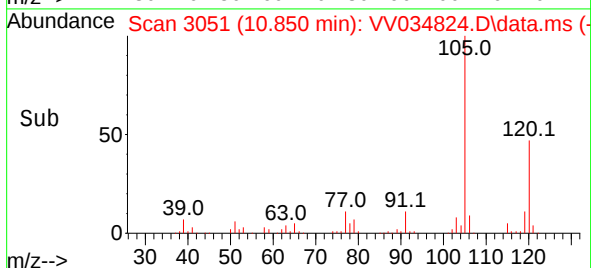
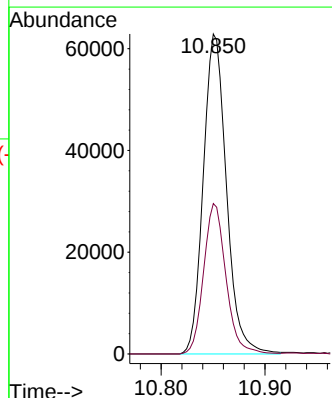
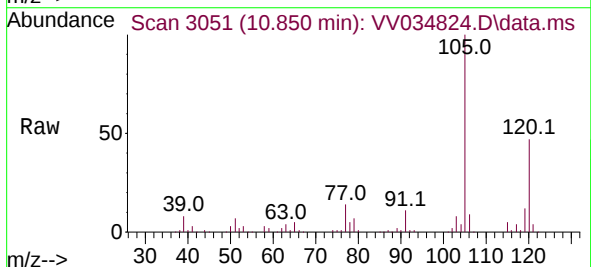
Acq: 26 Mar 2024 13:06

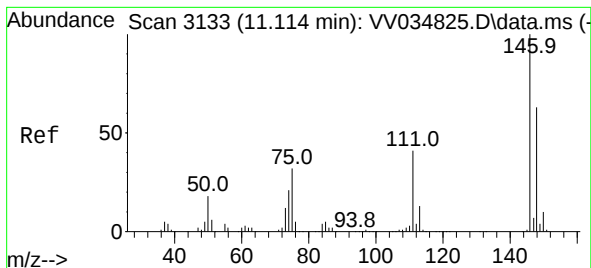
Tgt Ion:105 Resp: 97456

Ion Ratio Lower Upper

105 100

120 45.2 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 10.141 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

ClientSampleId :

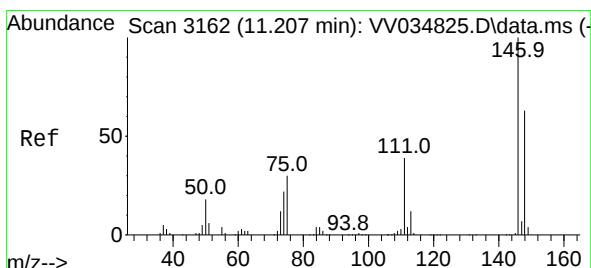
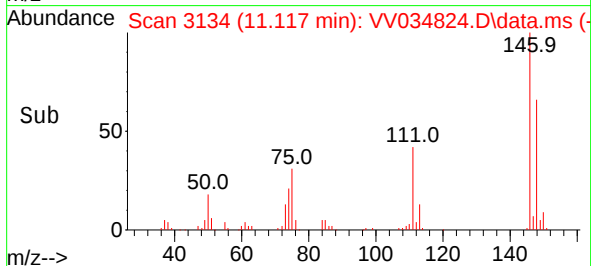
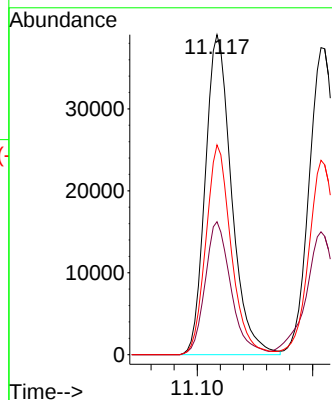
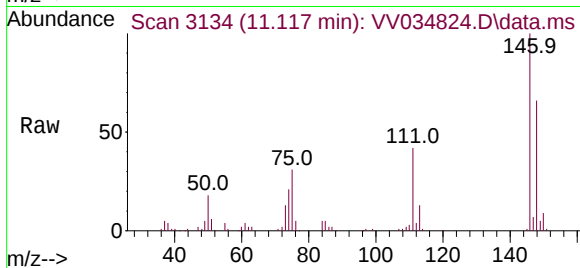
Tgt Ion:146 Resp: 61724

Ion Ratio Lower Upper

146 100

111 41.6 28.7 53.3

148 65.5 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 10.071 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

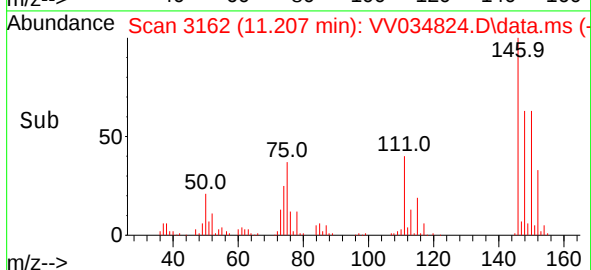
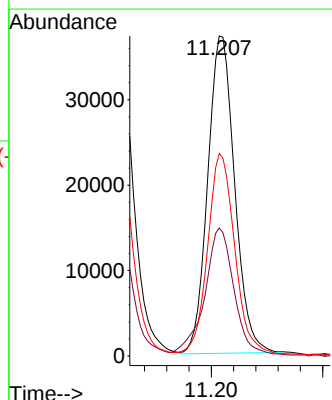
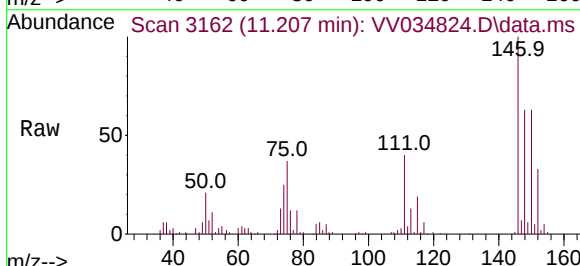
Tgt Ion:146 Resp: 62507

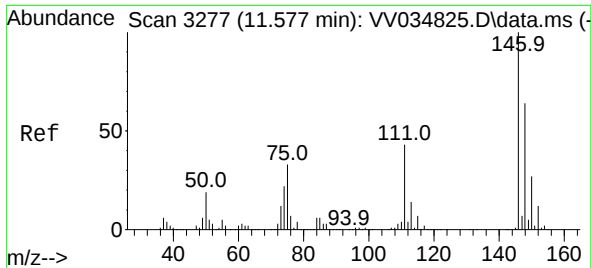
Ion Ratio Lower Upper

146 100

111 40.0 27.4 50.8

148 63.3 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 9.835 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

ClientSampleId :

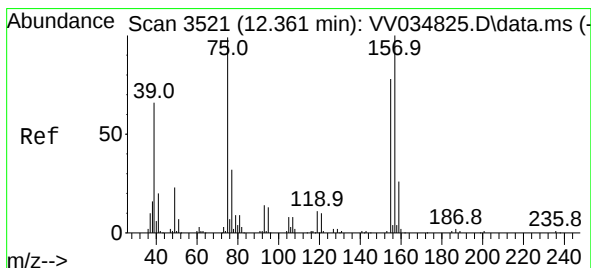
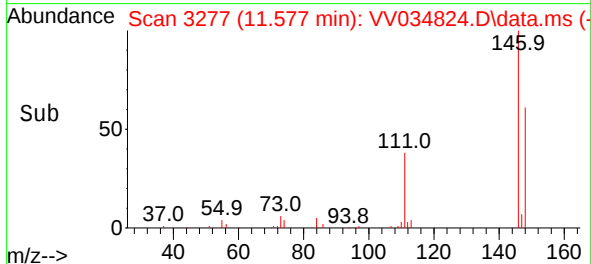
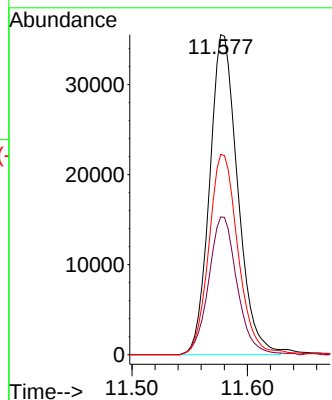
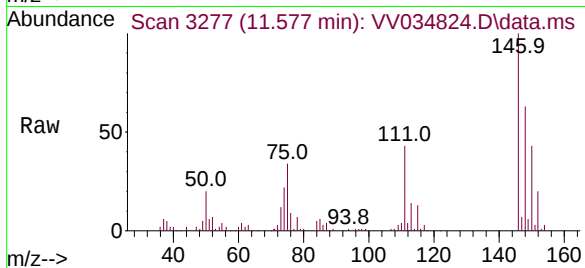
Tgt Ion:146 Resp: 60038

Ion Ratio Lower Upper

146 100

111 43.0 34.6 52.0

148 62.6 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 8.773 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

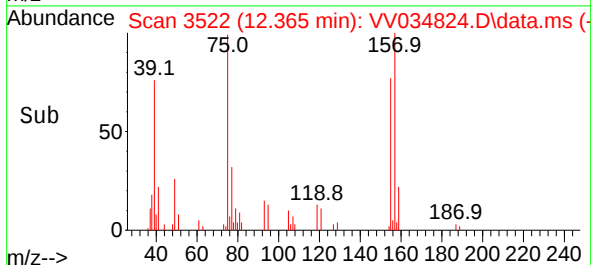
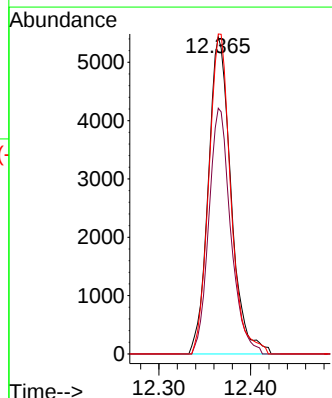
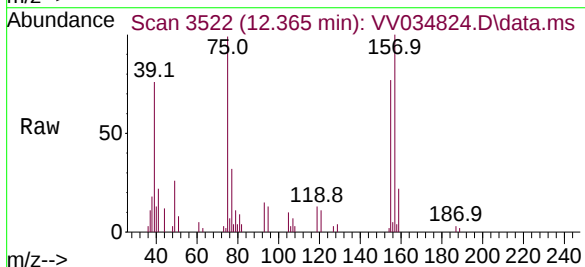
Tgt Ion: 75 Resp: 9350

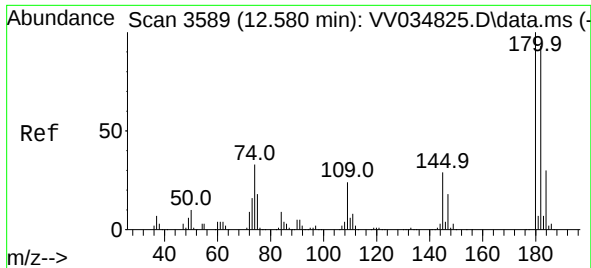
Ion Ratio Lower Upper

75 100

155 77.5 63.0 94.6

157 101.0 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 9.599 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.003 min

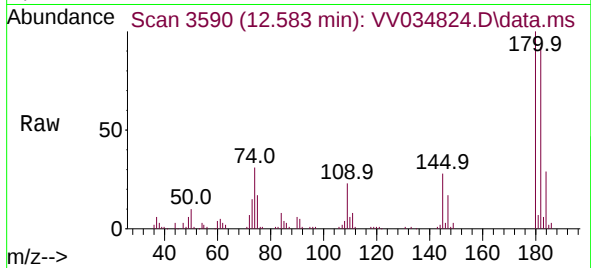
Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 43489

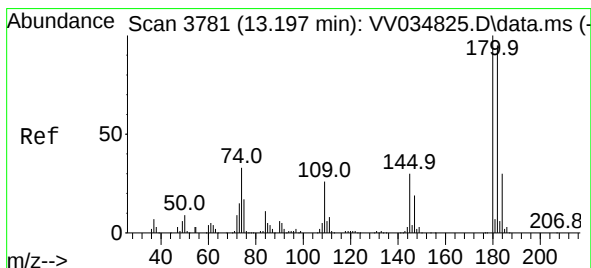
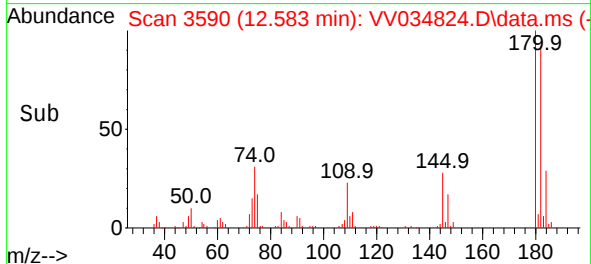
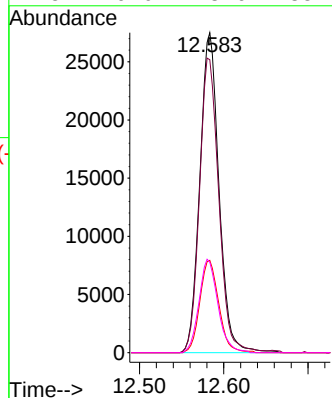
Ion Ratio Lower Upper

180 100

182 92.8 74.7 112.1

184 28.5 24.0 36.0

145 29.0 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 9.176 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034824.D

Acq: 26 Mar 2024 13:06

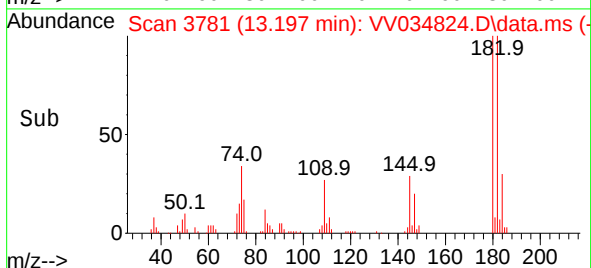
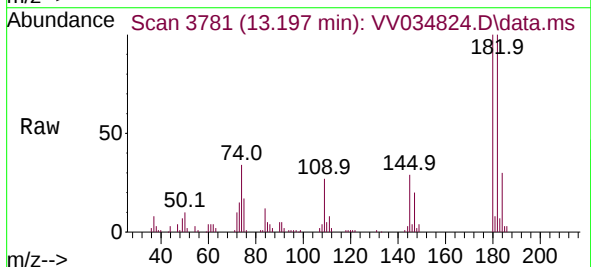
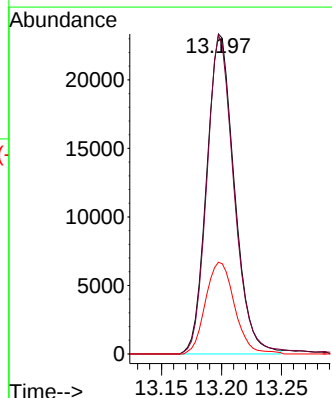
Tgt Ion:180 Resp: 37462

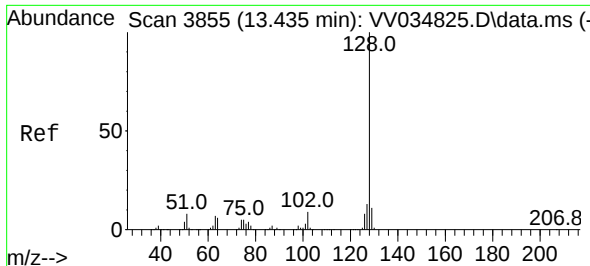
Ion Ratio Lower Upper

180 100

182 97.9 75.6 113.4

145 30.0 24.1 36.1

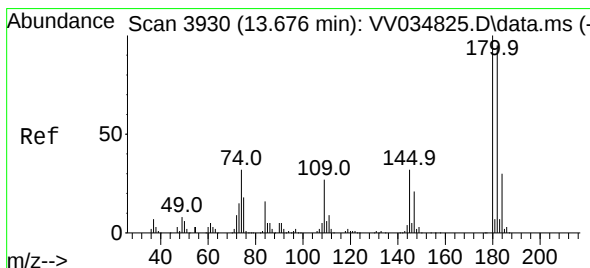
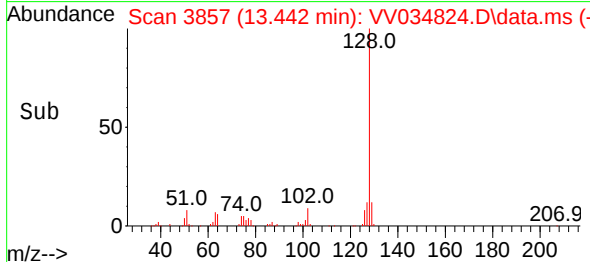
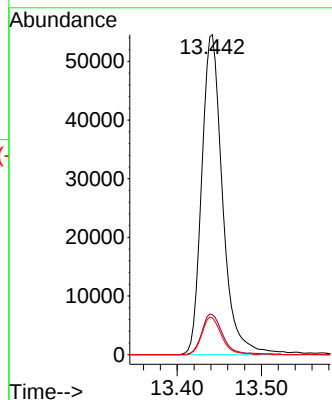
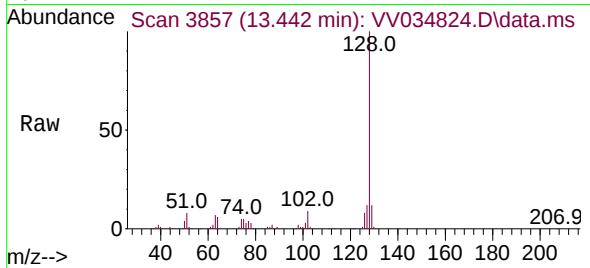




#71
Naphthalene
Concen: 8.713 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.006 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 94027
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 9.338 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.003 min
Lab File: VV034824.D
Acq: 26 Mar 2024 13:06

Tgt Ion:180 Resp: 37134
Ion Ratio Lower Upper
180 100
182 94.5 76.2 114.2
145 32.6 25.8 38.6

