

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071323\
 Data File : VW031692.D
 Acq On : 13 Jul 2023 13:00
 Operator : SY/MD
 Sample : VSTD0.560
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5260

Quant Time: Jul 14 05:40:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 14 05:39:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	175153	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	185013	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	86178	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	8028	0.518	ug/L	0.00
7) Chloroethane-d5	1.532	69	6935	0.493	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	4480	0.563	ug/L	0.00
20) 2-Butanone-d5	4.053	46	461	0.116	ug/L	0.23
24) Chloroform-d	4.259	84	8843	0.268	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.963	65	8240	0.488	ug/L	0.01
32) Benzene-d6	4.973	84	22030	0.417	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.002	67	9395	0.480	ug/L	0.00
41) Toluene-d8	7.252	98	18424	0.380	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	2084	0.337	ug/L	0.00
46) 2-Hexanone-d5	8.043	63	8425	2.934	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	5979	0.416	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.570	152	7296	0.486	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	10202	0.536	ug/L	97
3) Chloromethane	1.217	50	10728	0.544	ug/L	94
5) Vinyl chloride	1.281	62	9816	0.521	ug/L	95
6) Bromomethane	1.487	94	6414	0.557	ug/L	83
8) Chloroethane	1.548	64	5257	0.481	ug/L	91
9) Trichlorofluoromethane	1.712	101	14140	0.520	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	7992	0.535	ug/L	97
12) 1,1-Dichloroethene	2.072	96	7247	0.530	ug/L #	80
13) Acetone	2.127	43	16301	6.558	ug/L	99
14) Carbon disulfide	2.240	76	22394	0.528	ug/L	99
15) Methyl Acetate	2.391	43	2333	0.433	ug/L #	75
16) Methylene chloride	2.452	84	13510	0.744	ug/L	96
17) Methyl tert-butyl Ether	2.712	73	11553	0.460	ug/L	95
18) trans-1,2-Dichloroethene	2.696	96	5717	0.484	ug/L	90
19) 1,1-Dichloroethane	3.114	63	13574	0.525	ug/L #	90
21) 2-Butanone	4.011	43	543	0.165	ug/L	98
22) cis-1,2-Dichloroethene	3.876	96	184	0.016	ug/L	94
23) Bromochloromethane	4.178	128	826	0.140	ug/L	83
25) Chloroform	4.281	83	13158	0.518	ug/L	92
27) 1,2-Dichloroethane	5.063	62	8091	0.506	ug/L #	76
29) 1,1,1-Trichloroethane	4.522	97	11997	0.537	ug/L #	85
30) Cyclohexane	4.584	56	6772	0.417	ug/L #	92
31) Carbon tetrachloride	4.738	117	10635	0.539	ug/L	97
33) Benzene	5.024	78	21272	0.453	ug/L	100
34) Trichloroethene	5.847	95	6393	0.479	ug/L	92
35) Methylcyclohexane	6.059	83	7729	0.464	ug/L	94
37) 1,2-Dichloropropane	6.104	63	5943	0.441	ug/L #	97
38) Bromodichloromethane	6.445	83	8690	0.485	ug/L	98
39) cis-1,3-Dichloropropene	6.973	75	5548	0.342	ug/L	85
40) 4-Methyl-2-pentanone	7.172	43	25801	3.578	ug/L #	95
42) Toluene	7.329	91	14076	0.313	ug/L	94
44) trans-1,3-Dichloropropene	7.596	75	5507	0.376	ug/L #	81

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071323\
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 ALS Vial : 2 Sample Multiplier: 1

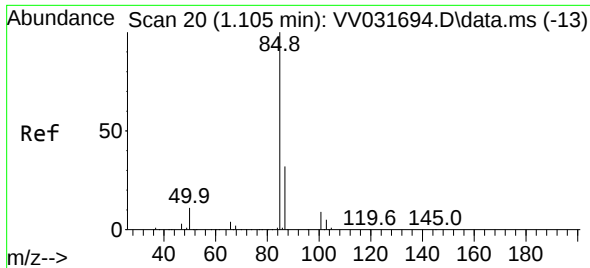
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5260

Quant Time: Jul 14 05:40:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 14 05:39:57 2023
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.780	97	5143	0.513	ug/L #	66
47) Tetrachloroethene	7.911	164	4464	0.485	ug/L	91
48) 2-Hexanone	8.095	43	14354	2.652	ug/L #	94
49) Dibromochloromethane	8.175	129	1262	0.117	ug/L	95
50) 1,2-Dibromoethane	8.297	107	4613	0.492	ug/L #	92
51) Chlorobenzene	8.821	112	13484	0.450	ug/L	95
52) Ethylbenzene	8.953	91	16365	0.364	ug/L	98
53) m,p-Xylene	9.085	106	5884	0.354	ug/L	100
54) o-Xylene	9.487	106	5062	0.328	ug/L	71
55) Styrene	9.516	104	10478	0.360	ug/L	81
57) 1,1,2,2-Tetrachloroethane	10.188	83	4668	0.440	ug/L #	92
59) Bromoform	9.673	173	3078	0.535	ug/L #	84
60) Isopropylbenzene	9.873	105	16454	0.431	ug/L	96
61) 1,2,3-Trichloropropane	10.220	75	3684	0.481	ug/L #	74
62) 1,3,5-Trimethylbenzene	10.484	105	13295	0.432	ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	12582	0.409	ug/L	97
64) 1,3-Dichlorobenzene	11.130	146	9697	0.471	ug/L	88
65) 1,4-Dichlorobenzene	11.217	146	10672	0.490	ug/L	94
67) 1,2-Dichlorobenzene	11.587	146	9730	0.493	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.377	75	413	0.262	ug/L #	76
69) 1,3,5-Trichlorobenzene	12.590	180	8242	0.548	ug/L #	87
70) 1,2,4-trichlorobenzene	13.207	180	5948	0.499	ug/L	88
71) Naphthalene	13.451	128	8651	0.450	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	4907	0.446	ug/L	84

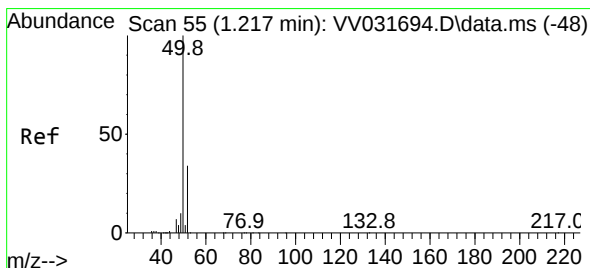
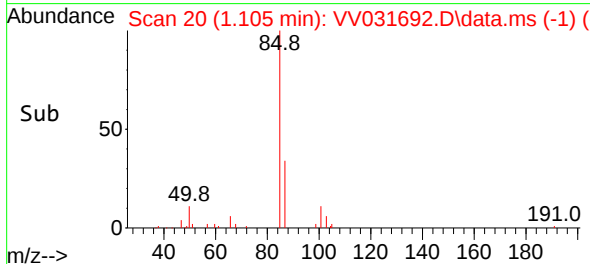
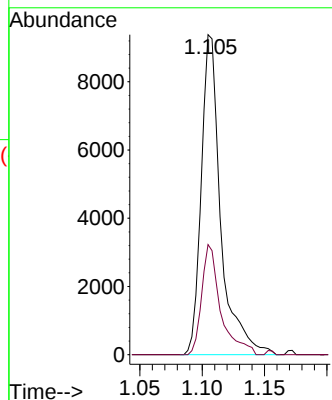
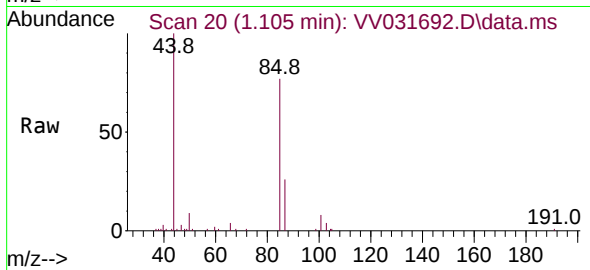
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.536 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031692.D
 Acq: 13 Jul 2023 13:00

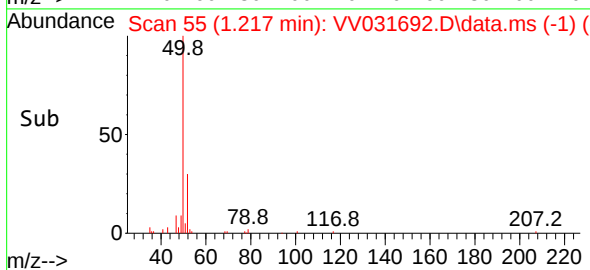
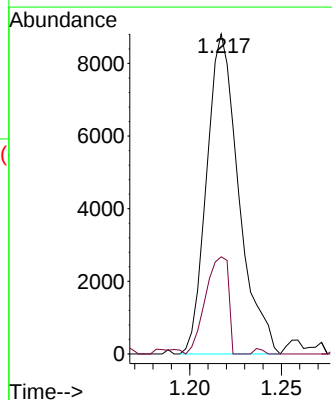
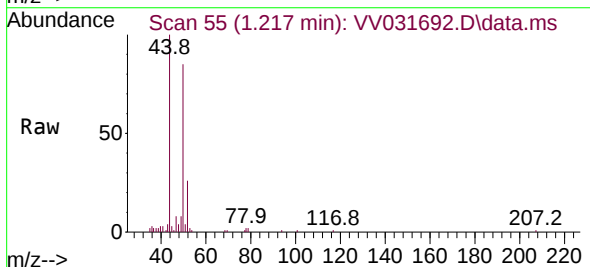
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5260

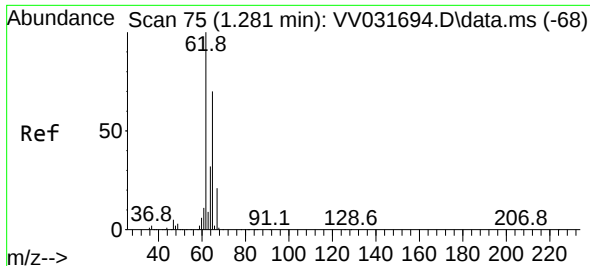
Tgt Ion: 85 Resp: 10202
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.5 38.3



#3
 Chloromethane
 Concen: 0.544 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031692.D
 Acq: 13 Jul 2023 13:00

Tgt Ion: 50 Resp: 10728
 Ion Ratio Lower Upper
 50 100
 52 30.4 23.5 43.7

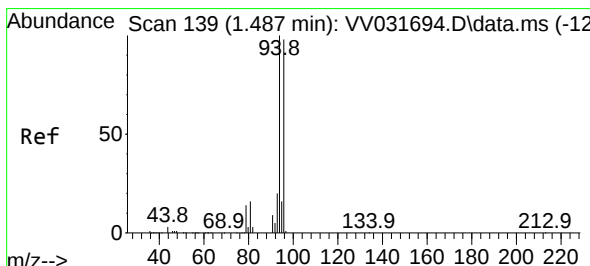
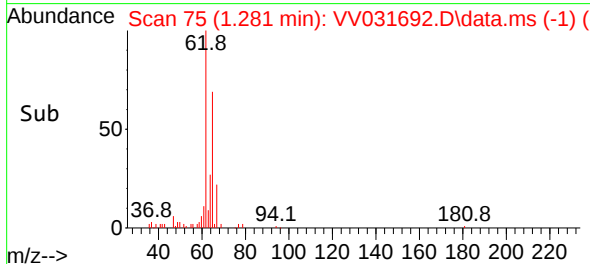
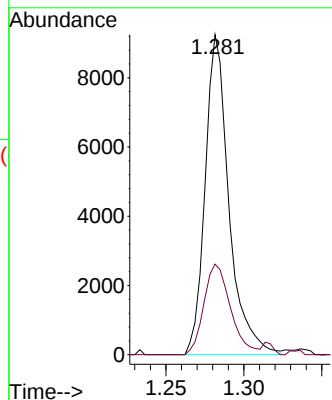
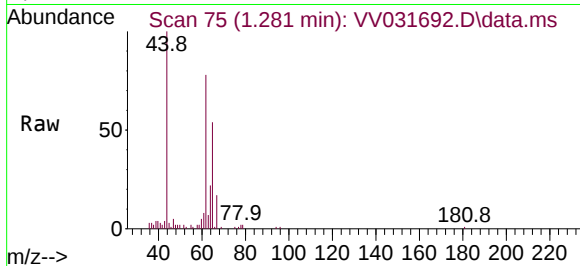




#5
 Vinyl chloride
 Concen: 0.521 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV031692.D
 Acq: 13 Jul 2023 13:00

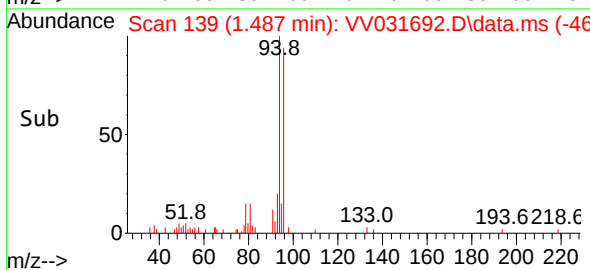
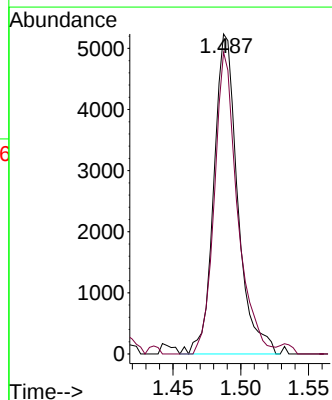
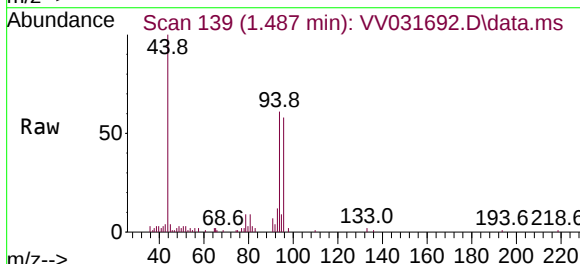
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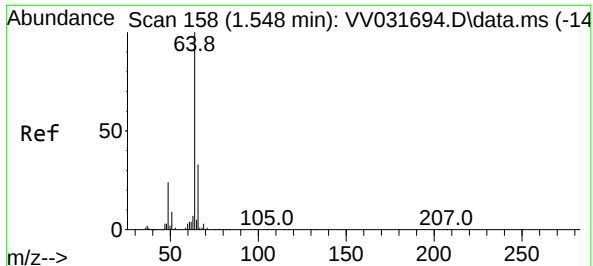
Tgt Ion: 62 Resp: 9816
 Ion Ratio Lower Upper
 62 100
 64 97.6 71.7 133.1



#6
 Bromomethane
 Concen: 0.557 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV031692.D
 Acq: 13 Jul 2023 13:00

Tgt Ion: 94 Resp: 6414
 Ion Ratio Lower Upper
 94 100
 96 82.2 69.4 128.8

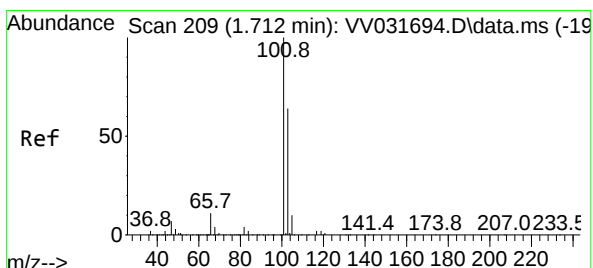
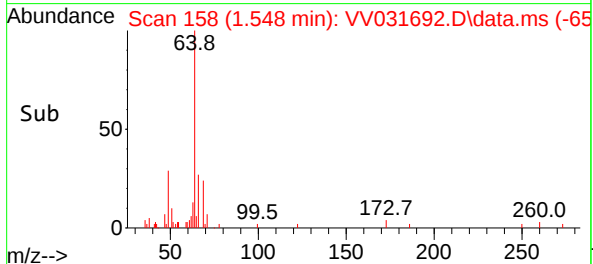
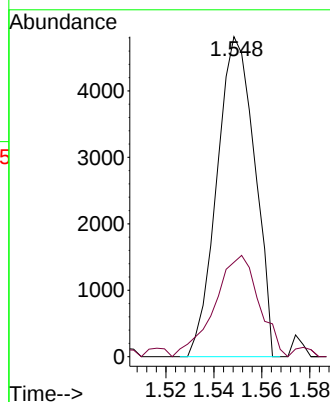
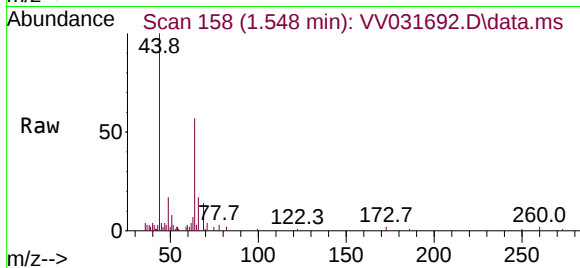




#8
Chloroethane
Concen: 0.481 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

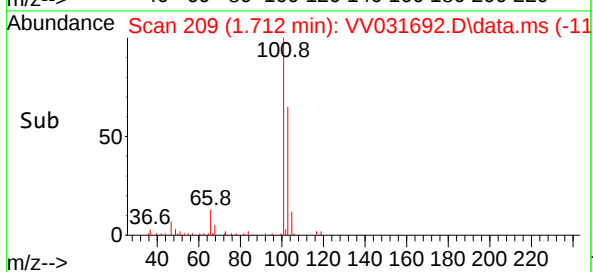
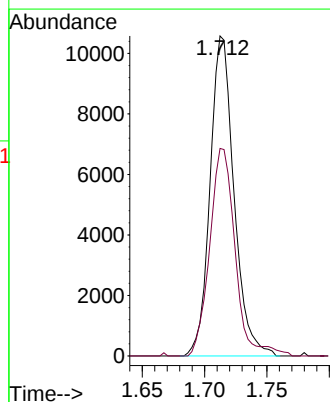
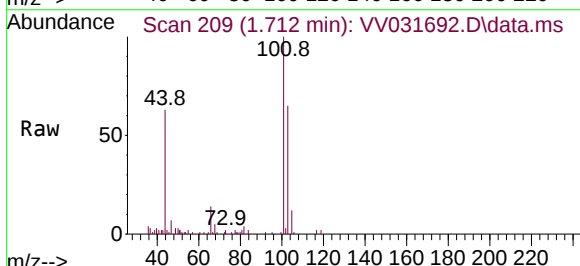
Instrument :
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ClientSampleId :
VSTD0.5260

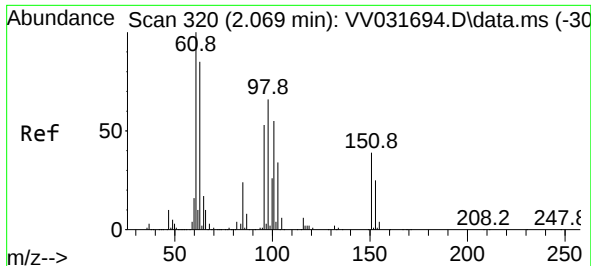
Tgt Ion: 64 Resp: 5257
Ion Ratio Lower Upper
64 100
66 27.9 23.0 42.6



#9
Trichlorofluoromethane
Concen: 0.520 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion: 101 Resp: 14140
Ion Ratio Lower Upper
101 100
103 68.9 51.0 76.6

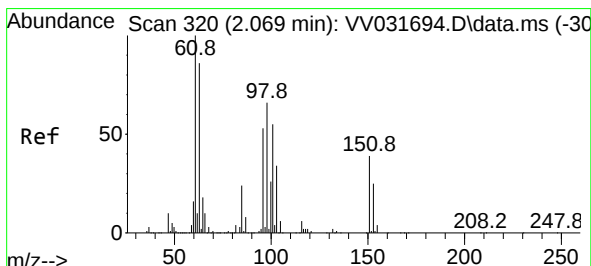
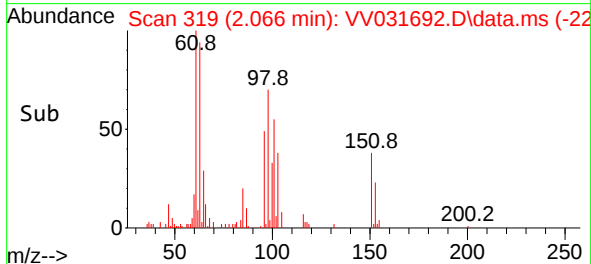
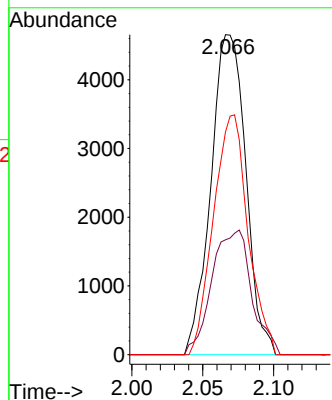
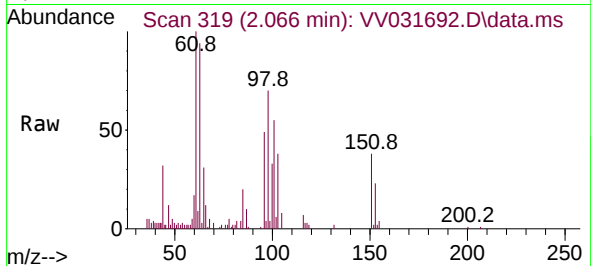




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.535 ug/L
RT: 2.066 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

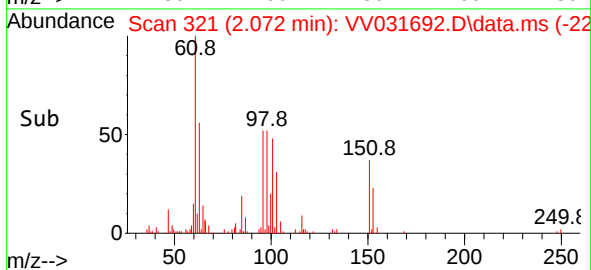
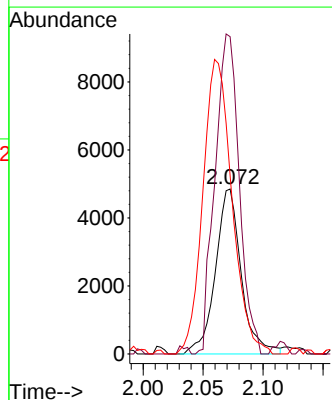
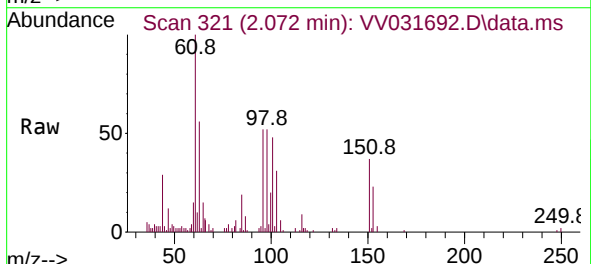
Instrument :
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ClientSampleId :
VSTD0.5260

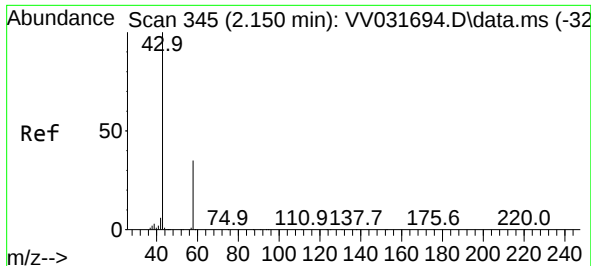
Tgt Ion:101 Resp: 7992
Ion Ratio Lower Upper
101 100
85 44.2 36.2 54.2
151 74.0 56.6 84.8



#12
1,1-Dichloroethene
Concen: 0.530 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion: 96 Resp: 7247
Ion Ratio Lower Upper
96 100
61 192.4 131.3 243.9
63 108.2 112.6 209.2#





#13

Acetone

Concen: 6.558 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.023 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

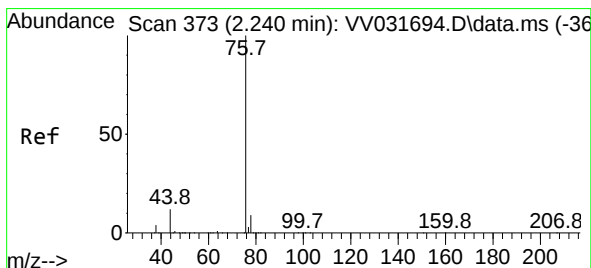
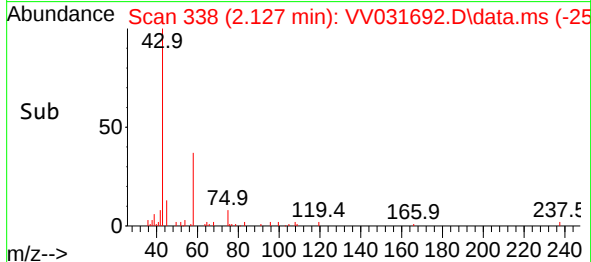
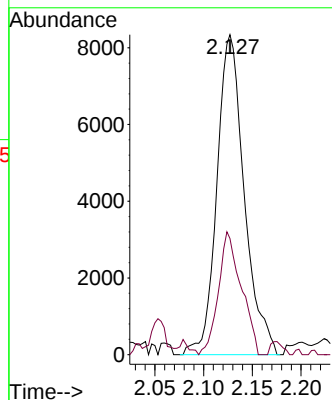
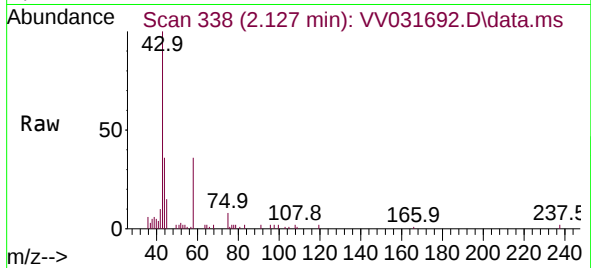
VSTD0.5260

Tgt Ion: 43 Resp: 16301

Ion Ratio Lower Upper

43 100

58 32.0 0.0 64.6



#14

Carbon disulfide

Concen: 0.528 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV031692.D

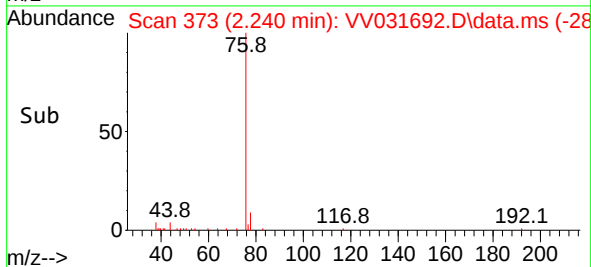
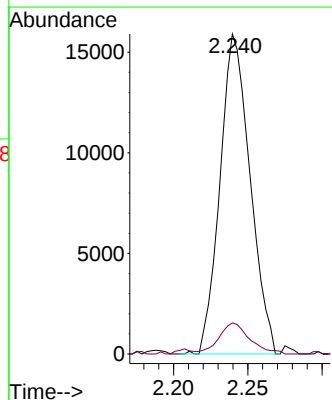
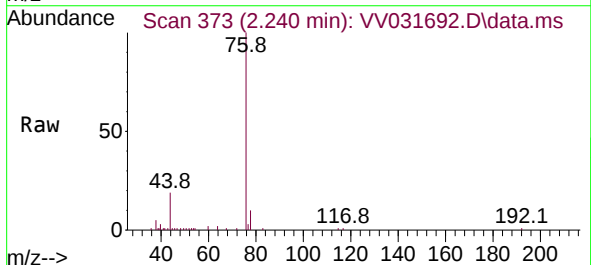
Acq: 13 Jul 2023 13:00

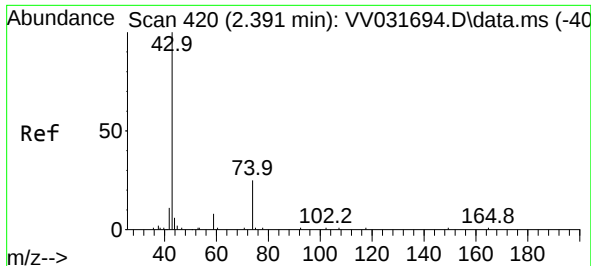
Tgt Ion: 76 Resp: 22394

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2

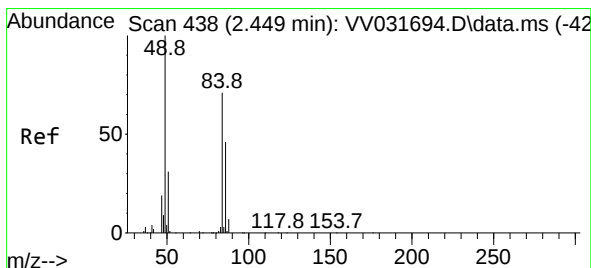
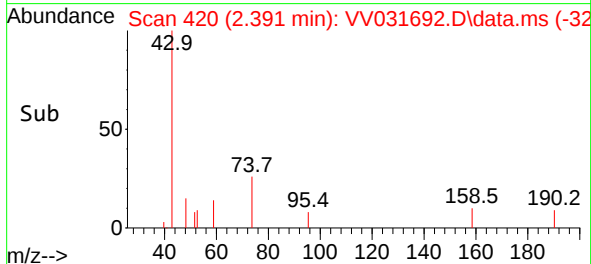
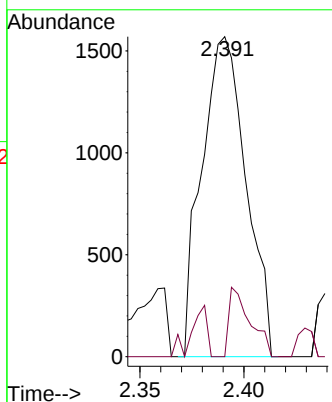
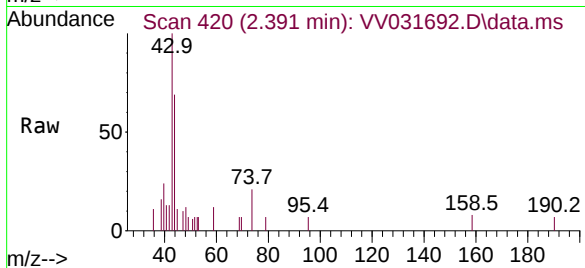




#15
Methyl Acetate
Concen: 0.433 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

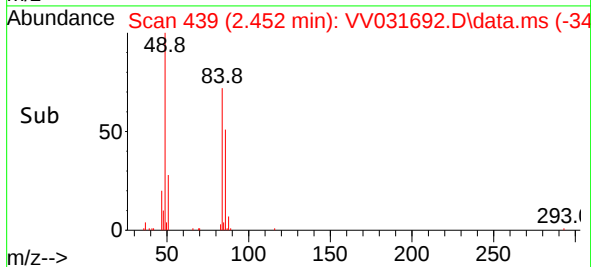
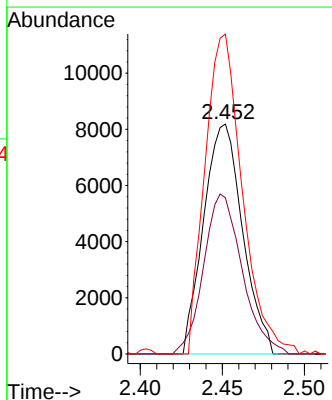
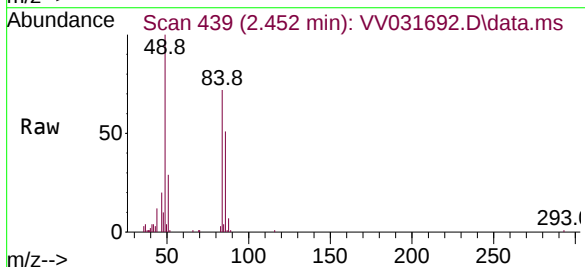
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ClientSampleId :
VSTD0.5260

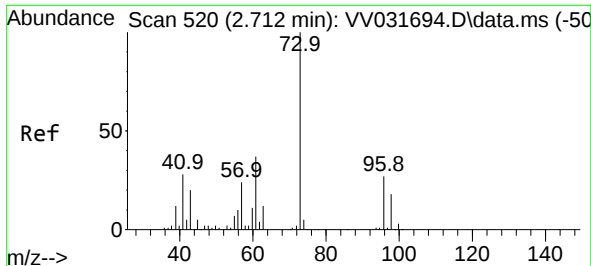
Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
74 10.4 18.0 27.0#



#16
Methylene chloride
Concen: 0.744 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion: 84 Resp: 13510
Ion Ratio Lower Upper
84 100
86 67.9 46.3 86.1
49 139.2 101.8 189.0





#17

Methyl tert-butyl Ether

Concen: 0.460 ug/L

RT: 2.712 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5260

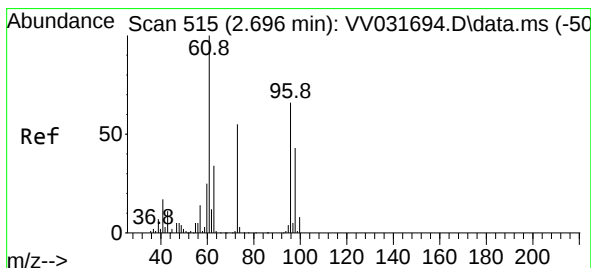
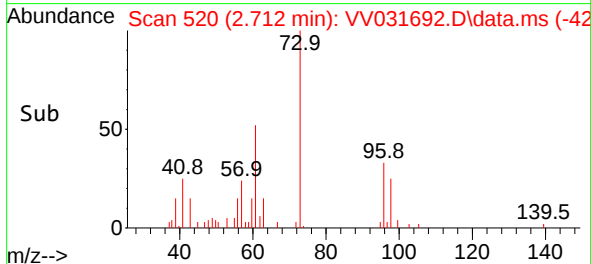
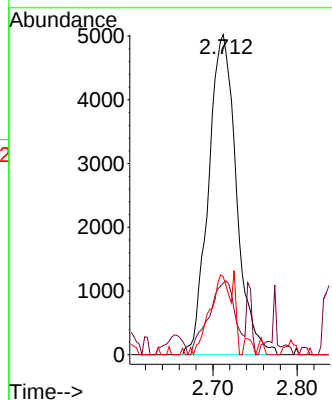
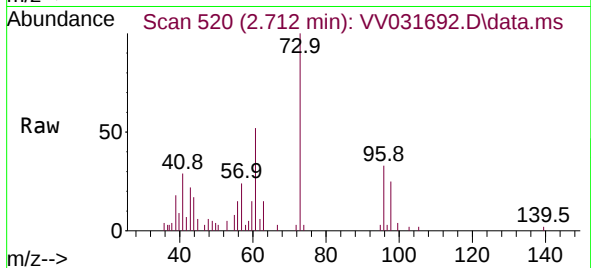
Tgt Ion: 73 Resp: 11553

Ion Ratio Lower Upper

73 100

43 21.4 18.1 27.1

57 20.7 19.6 29.4



#18

trans-1,2-Dichloroethene

Concen: 0.484 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

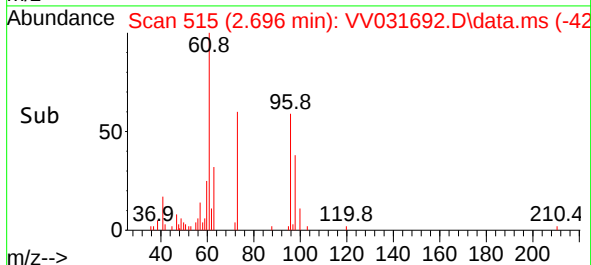
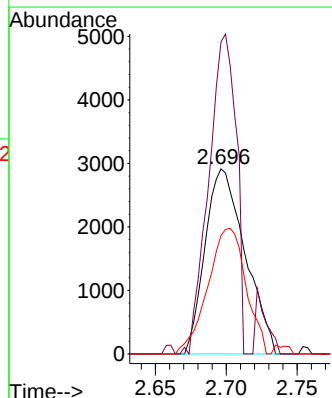
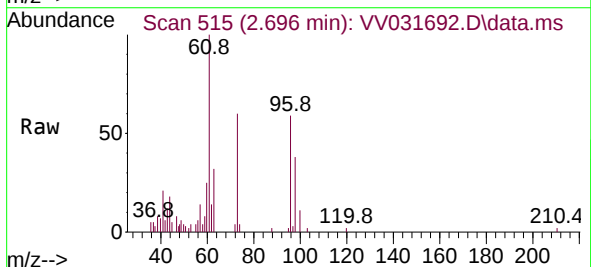
Tgt Ion: 96 Resp: 5717

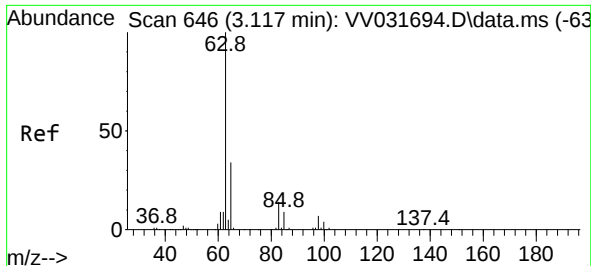
Ion Ratio Lower Upper

96 100

61 168.5 105.5 195.9

98 64.0 45.4 84.2

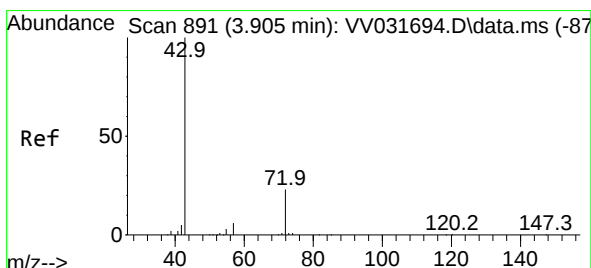
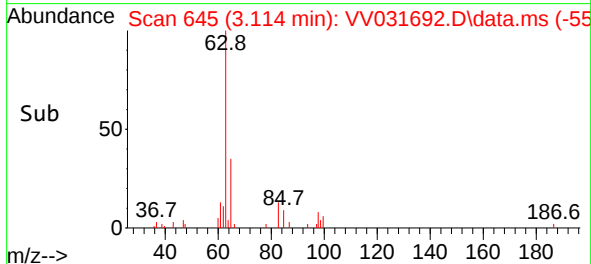
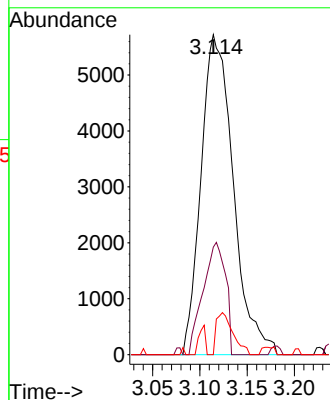
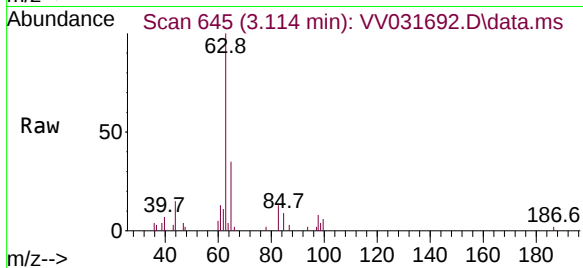




#19
1,1-Dichloroethane
Concen: 0.525 ug/L
RT: 3.114 min Scan# 646
Delta R.T. -0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

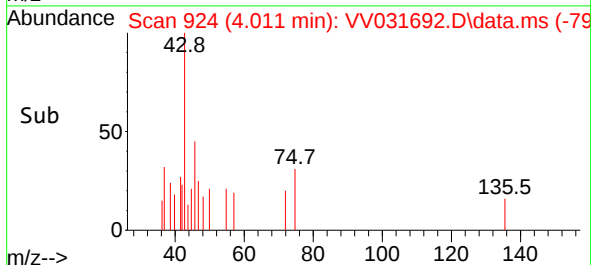
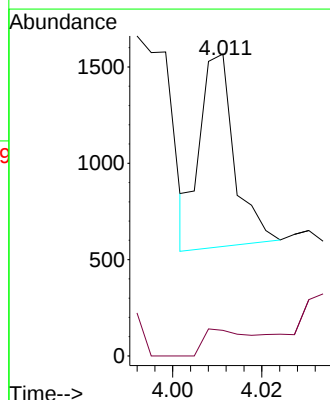
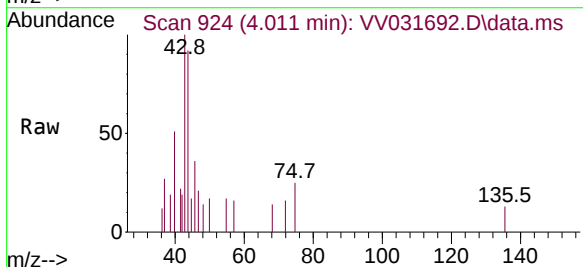
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

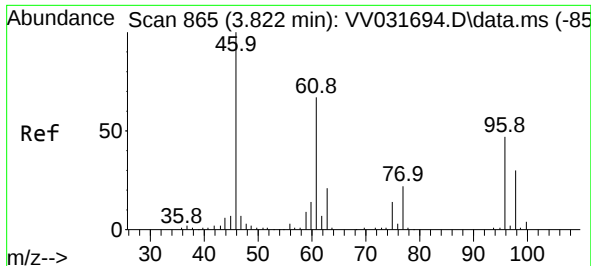
Tgt Ion: 63 Resp: 13574
Ion Ratio Lower Upper
63 100
65 33.6 23.4 43.6
83 0.0 9.4 17.4#



#21
2-Butanone
Concen: 0.165 ug/L
RT: 4.011 min Scan# 924
Delta R.T. 0.106 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
72 17.5 9.2 27.4

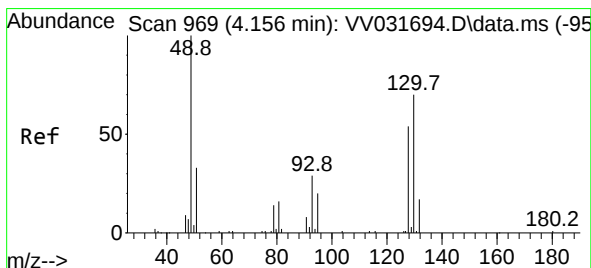
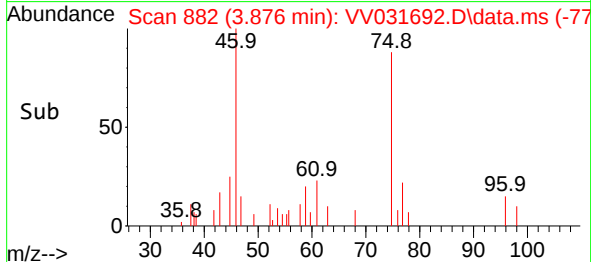
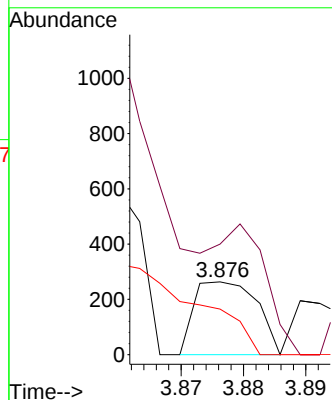
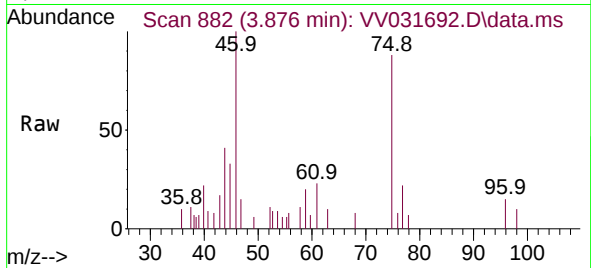




#22
cis-1,2-Dichloroethene
Concen: 0.016 ug/L
RT: 3.876 min Scan# 81
Delta R.T. 0.055 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

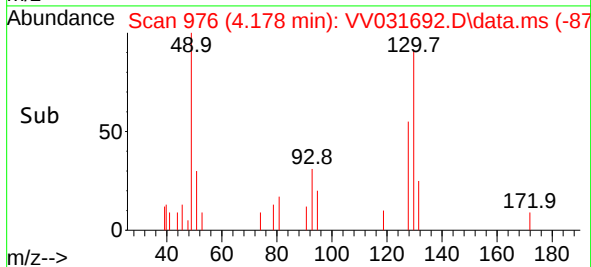
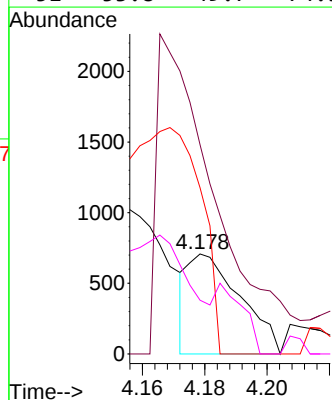
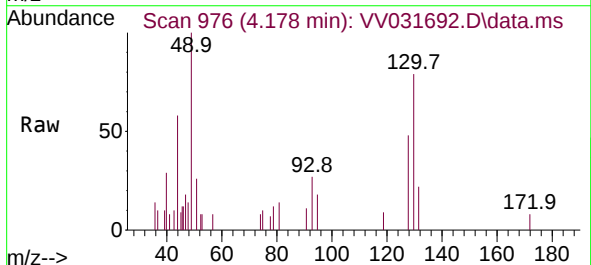
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

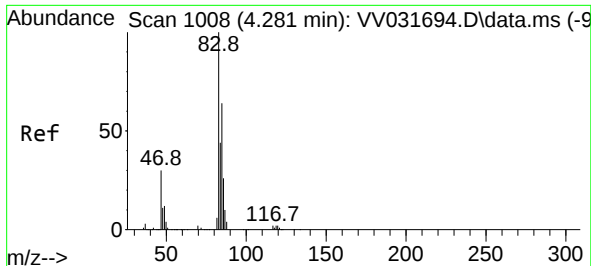
Tgt Ion:	96	Resp:	184
Ion	Ratio	Lower	Upper
96	100		
61	152.1	99.4	184.6
98	62.7	45.1	83.7



#23
Bromochloromethane
Concen: 0.140 ug/L
RT: 4.178 min Scan# 976
Delta R.T. 0.022 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion:	128	Resp:	826
Ion	Ratio	Lower	Upper
128	100		
49	209.2	136.1	252.7
130	166.2	91.3	169.5
51	53.8	49.7	74.5





#25

Chloroform

Concen: 0.518 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.000 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

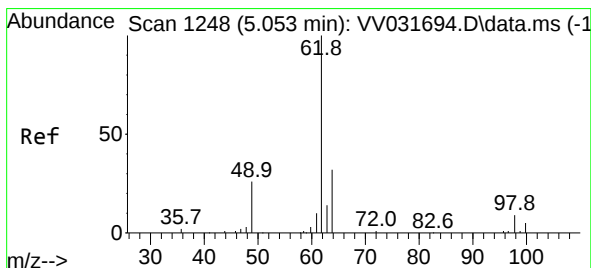
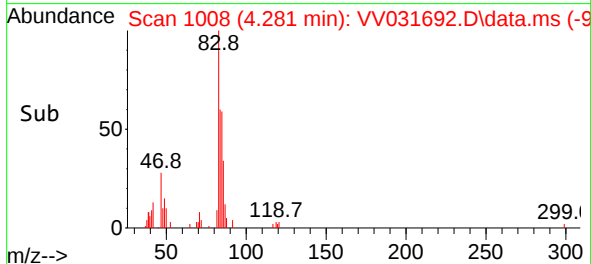
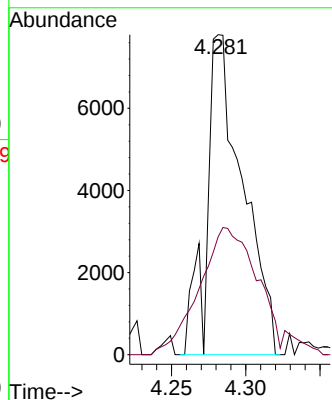
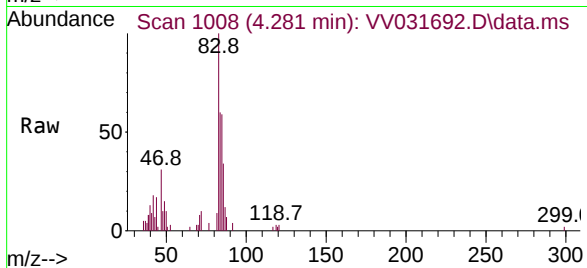
VSTD0.5260

Tgt Ion: 83 Resp: 13158

Ion Ratio Lower Upper

83 100

85 57.7 44.9 83.5



#27

1,2-Dichloroethane

Concen: 0.506 ug/L

RT: 5.063 min Scan# 1251

Delta R.T. 0.010 min

Lab File: VV031692.D

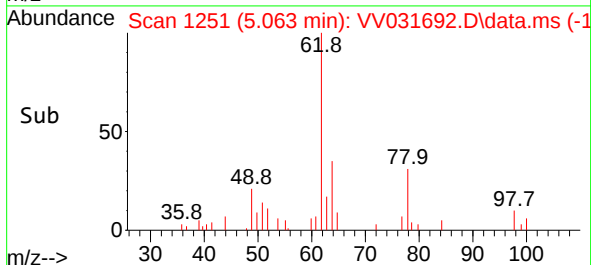
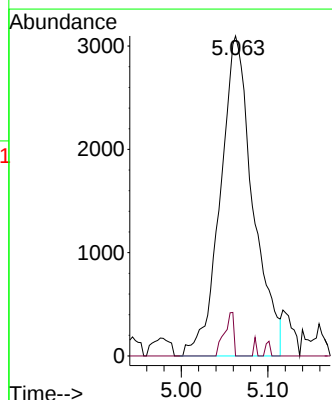
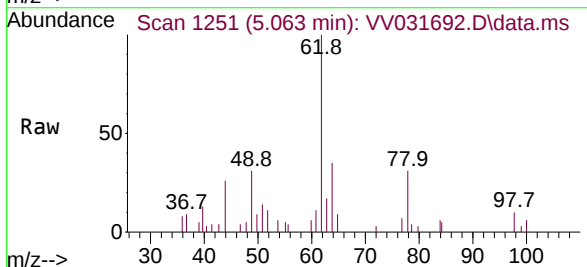
Acq: 13 Jul 2023 13:00

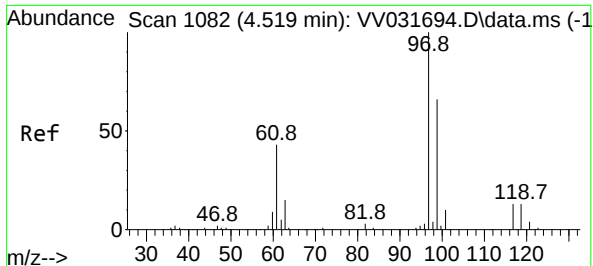
Tgt Ion: 62 Resp: 8091

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#





#29

1,1,1-Trichloroethane

Concen: 0.537 ug/L

RT: 4.522 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5260

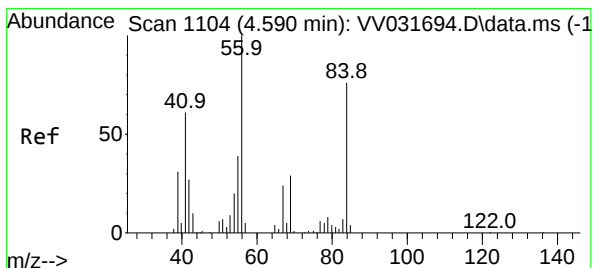
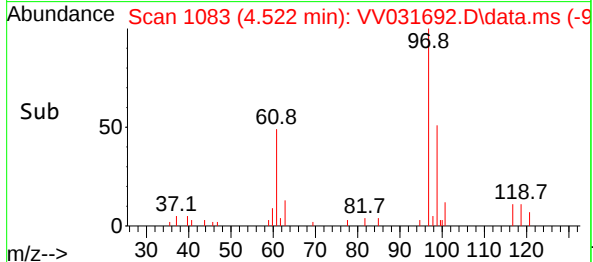
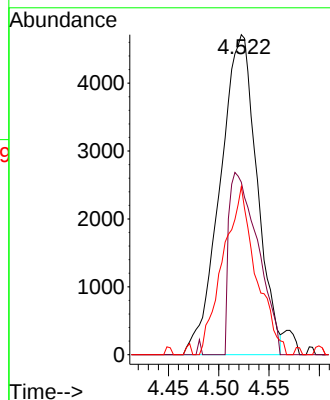
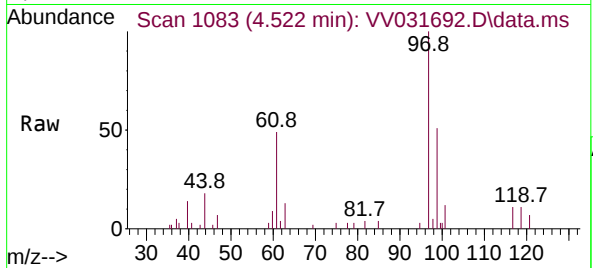
Tgt Ion: 97 Resp: 11997

Ion Ratio Lower Upper

97 100

99 44.5 50.4 75.6#

61 46.9 35.6 53.4



#30

Cyclohexane

Concen: 0.417 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.006 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

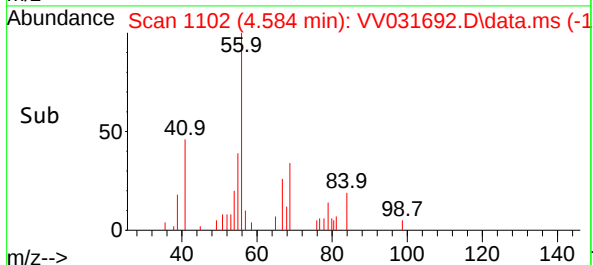
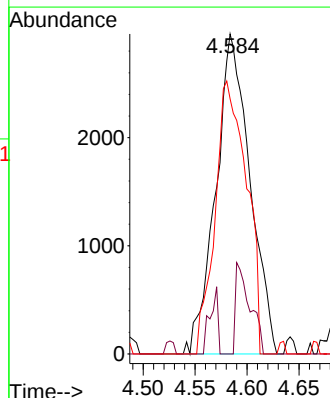
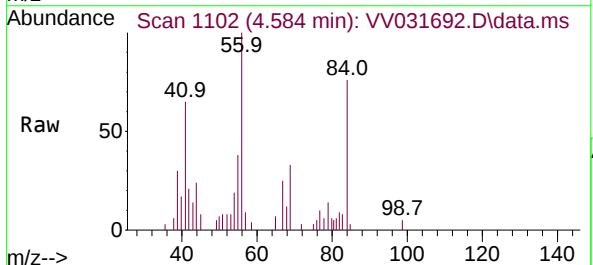
Tgt Ion: 56 Resp: 6772

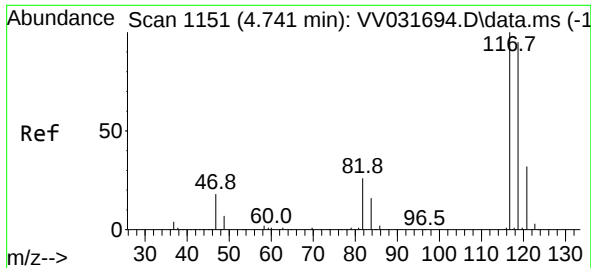
Ion Ratio Lower Upper

56 100

69 12.0 22.9 34.3#

84 78.5 62.7 94.1

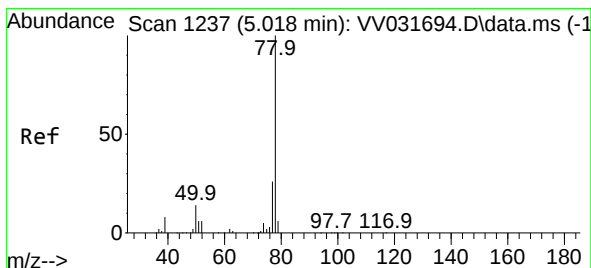
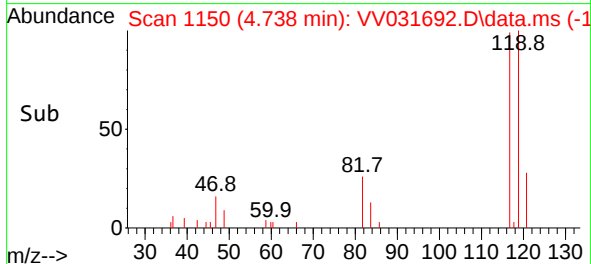
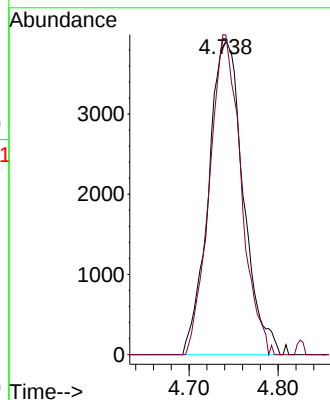
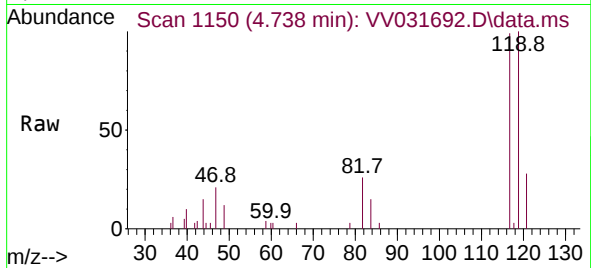




#31
Carbon tetrachloride
Concen: 0.539 ug/L
RT: 4.738 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

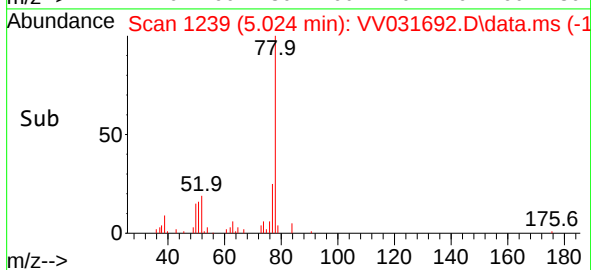
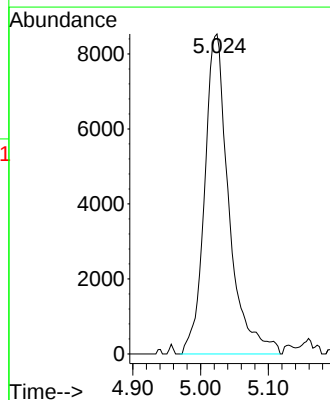
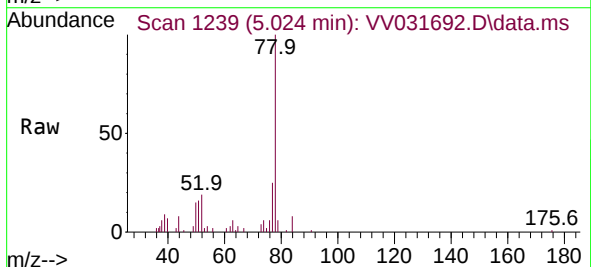
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

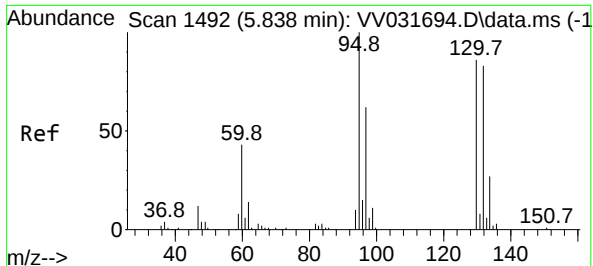
Tgt Ion:117 Resp: 10635
Ion Ratio Lower Upper
117 100
119 92.4 76.1 114.1



#33
Benzene
Concen: 0.453 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion: 78 Resp: 21272



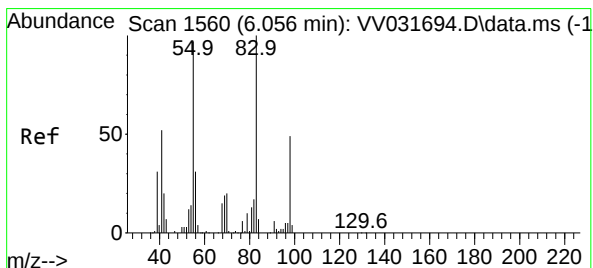
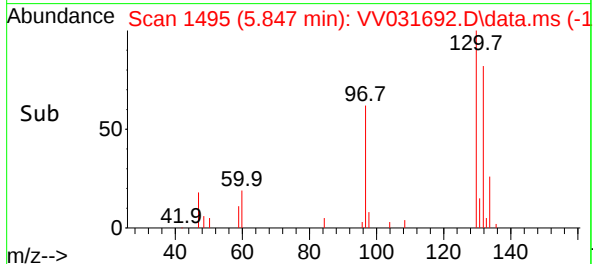
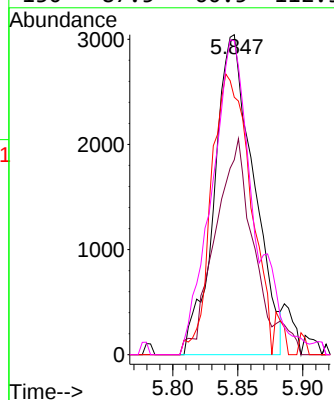
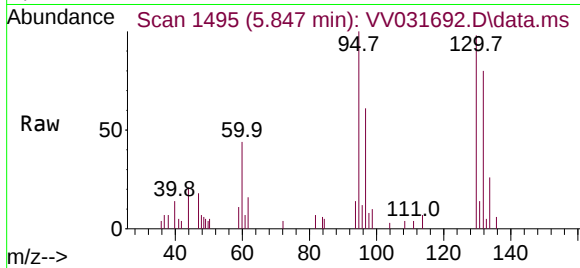


#34
Trichloroethene
Concen: 0.479 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.010 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

Tgt Ion: 95 Resp: 6393

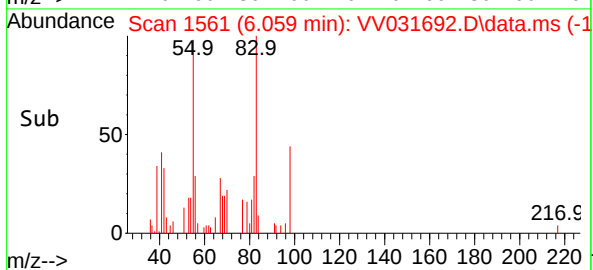
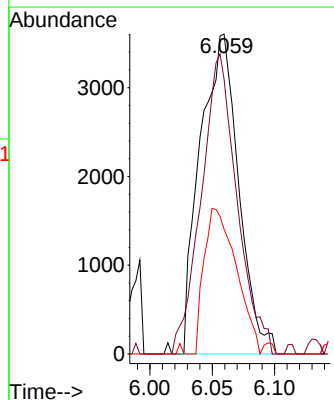
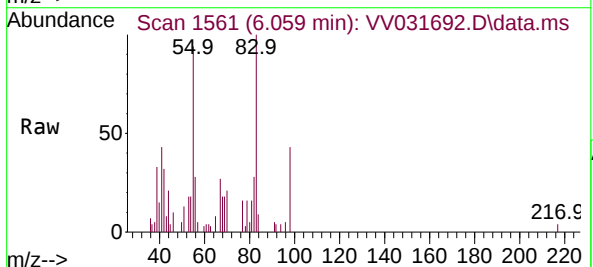
Ion	Ratio	Lower	Upper
95	100		
97	54.3	43.3	80.5
132	71.8	58.3	108.3
130	87.5	60.5	112.5

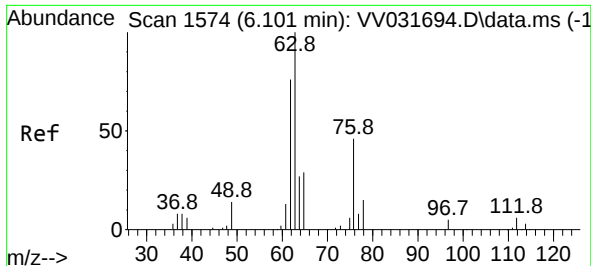


#35
Methylcyclohexane
Concen: 0.464 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion: 83 Resp: 7729

Ion	Ratio	Lower	Upper
83	100		
55	87.1	73.8	110.6
98	38.3	35.1	52.7

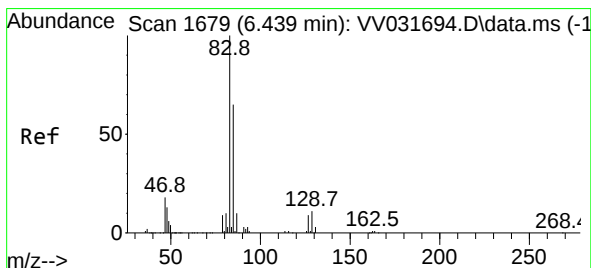
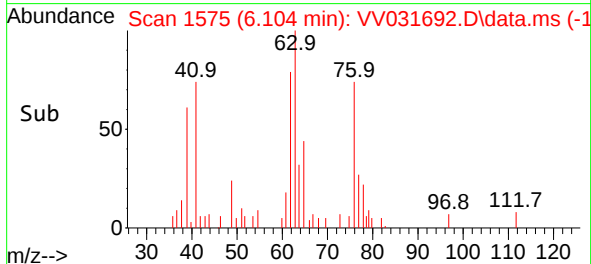
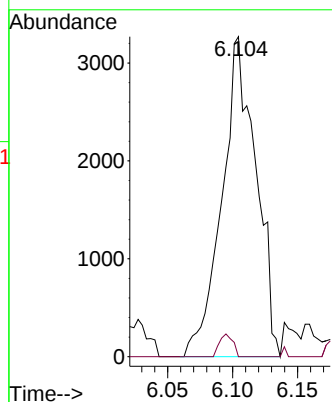
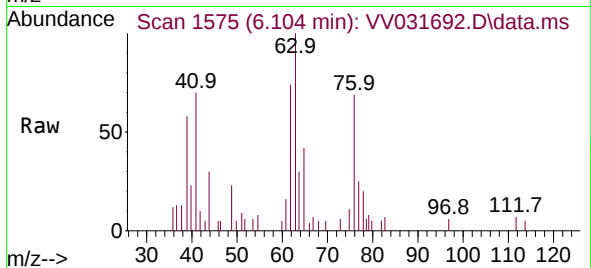




#37
1,2-Dichloropropane
Concen: 0.441 ug/L
RT: 6.104 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

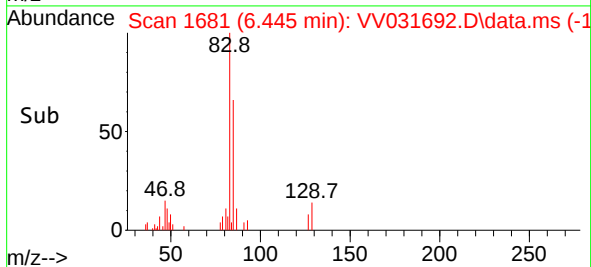
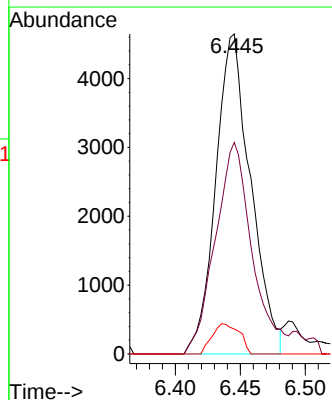
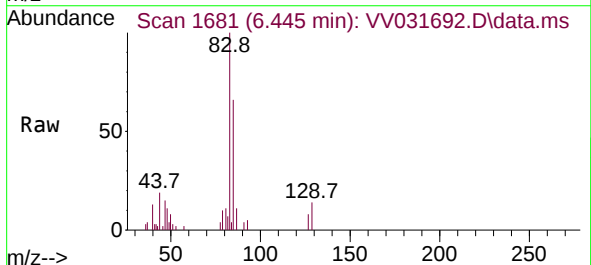
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

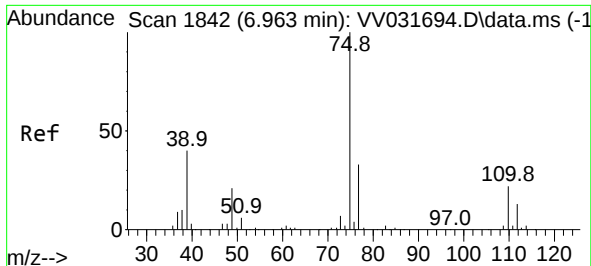
Tgt Ion: 63 Resp: 5943
Ion Ratio Lower Upper
63 100
112 2.8 1.4 2.2#



#38
Bromodichloromethane
Concen: 0.485 ug/L
RT: 6.445 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion: 83 Resp: 8690
Ion Ratio Lower Upper
83 100
85 66.1 45.5 84.5
127 7.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 0.342 ug/L

RT: 6.973 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

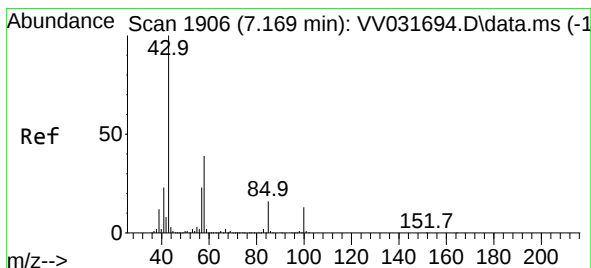
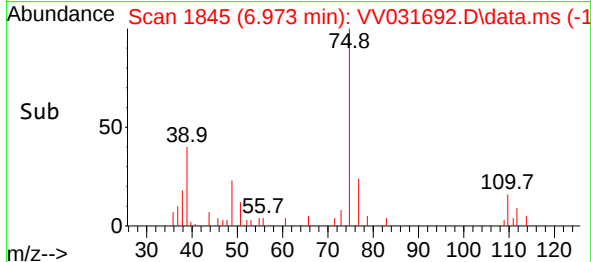
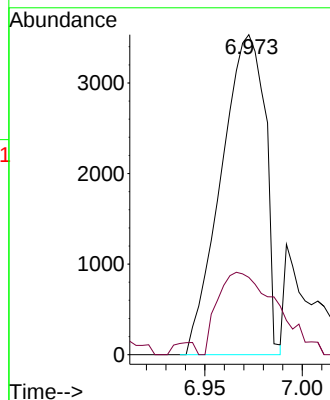
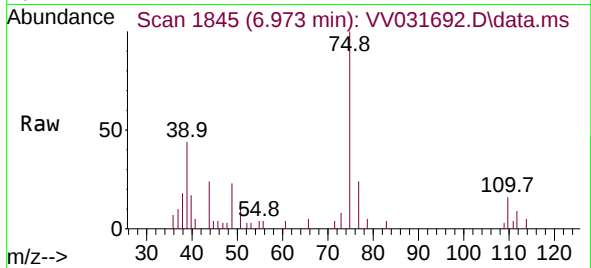
VSTD0.5260

Tgt Ion: 75 Resp: 5548

Ion Ratio Lower Upper

75 100

77 24.2 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 3.578 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.003 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

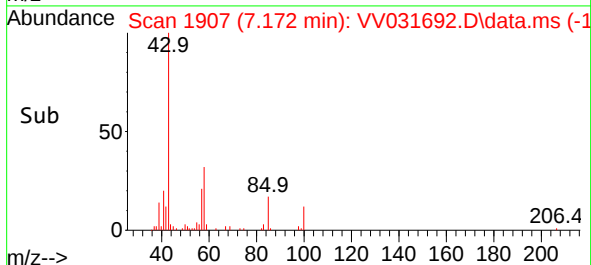
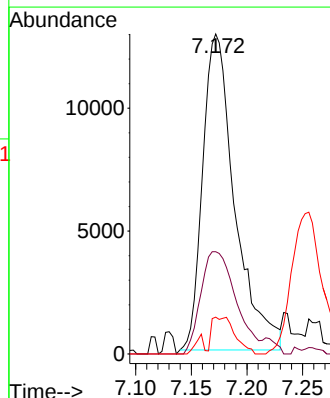
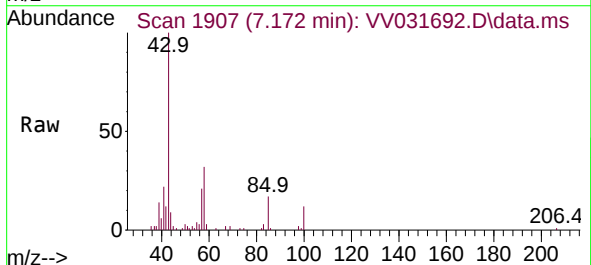
Tgt Ion: 43 Resp: 25801

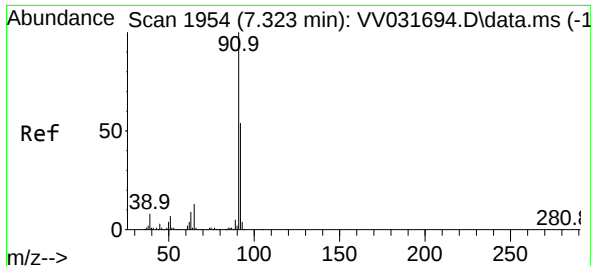
Ion Ratio Lower Upper

43 100

58 35.6 30.3 45.5

100 8.4 9.7 14.5#

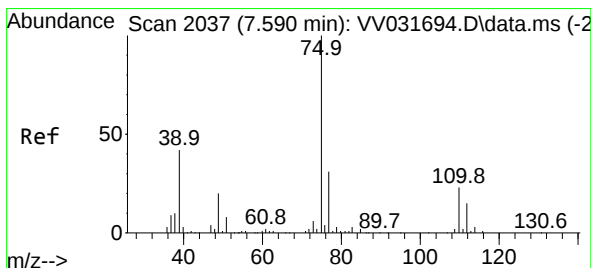
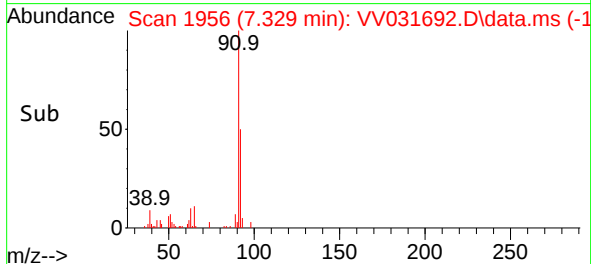
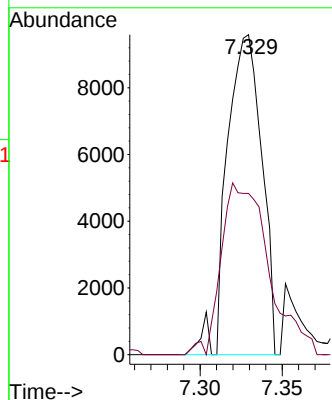
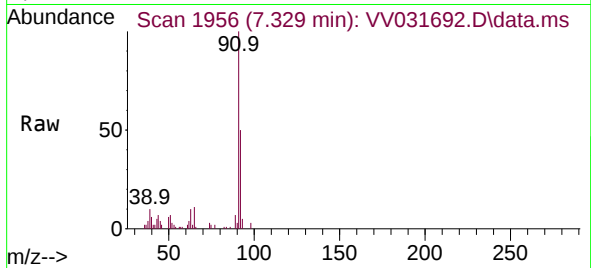




#42
Toluene
Concen: 0.313 ug/L
RT: 7.329 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

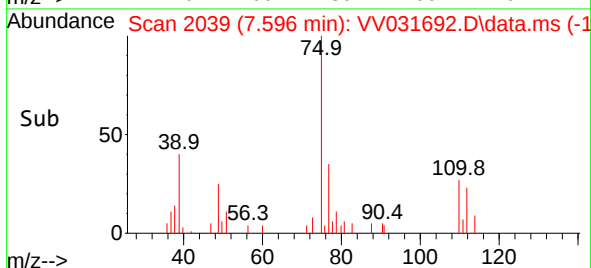
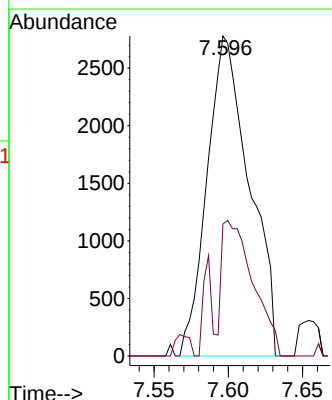
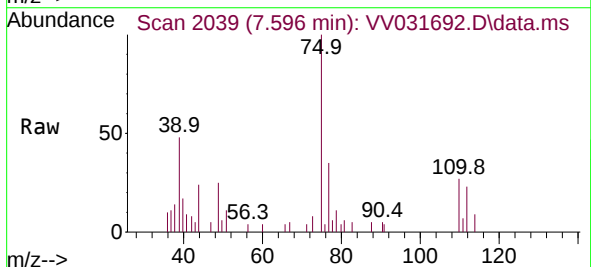
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

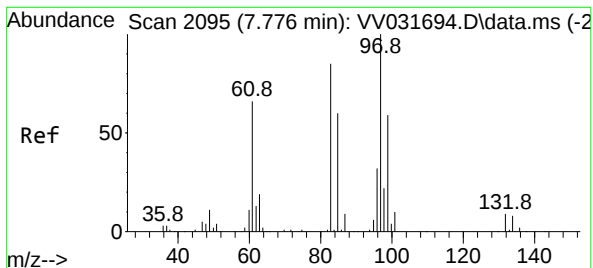
Tgt Ion: 91 Resp: 14076
Ion Ratio Lower Upper
91 100
92 50.4 38.1 70.7



#44
trans-1,3-Dichloropropene
Concen: 0.376 ug/L
RT: 7.596 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion: 75 Resp: 5507
Ion Ratio Lower Upper
75 100
77 41.3 21.7 40.3#





#45

1,1,2-Trichloroethane

Concen: 0.513 ug/L

RT: 7.780 min Scan# 2095

Delta R.T. 0.003 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5260

Tgt Ion: 97 Resp: 5143

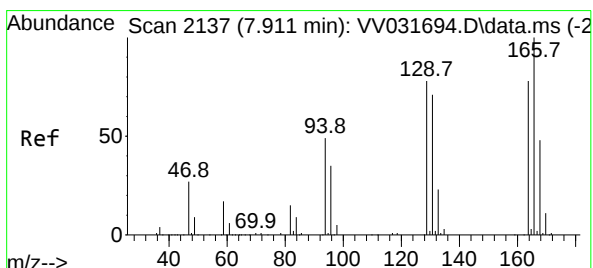
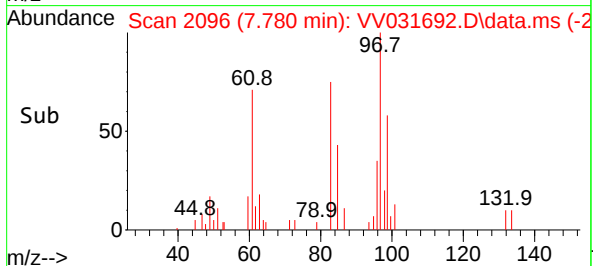
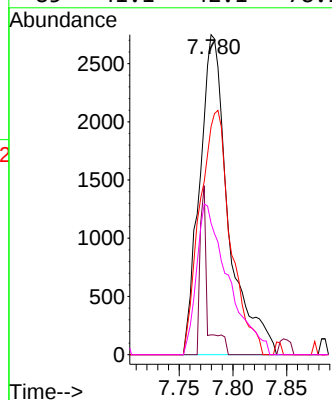
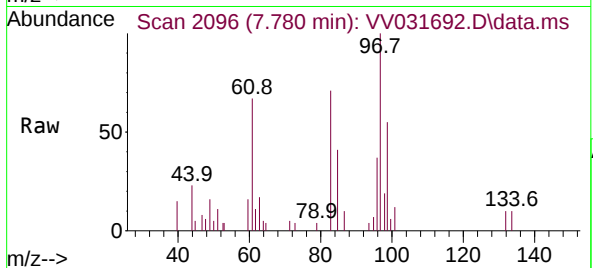
Ion Ratio Lower Upper

97 100

99 6.2 40.9 76.0#

83 71.3 59.7 110.9

85 41.1 42.1 78.1#



#47

Tetrachloroethene

Concen: 0.485 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Tgt Ion: 164 Resp: 4464

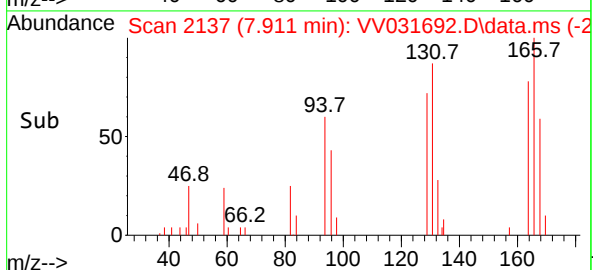
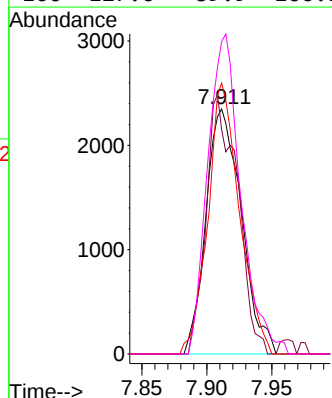
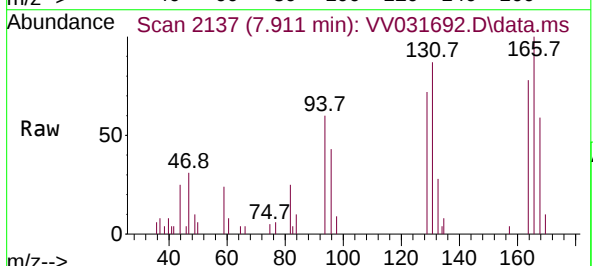
Ion Ratio Lower Upper

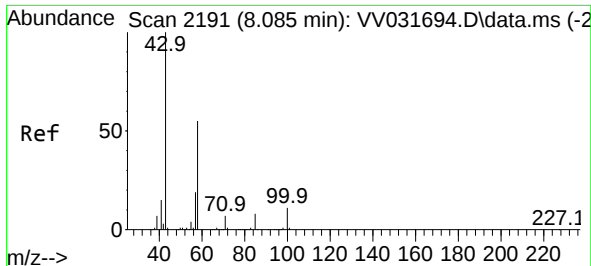
164 100

129 91.7 70.5 130.9

131 110.6 64.0 118.8

166 127.6 89.9 166.9

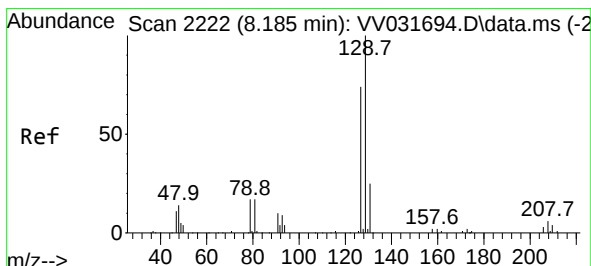
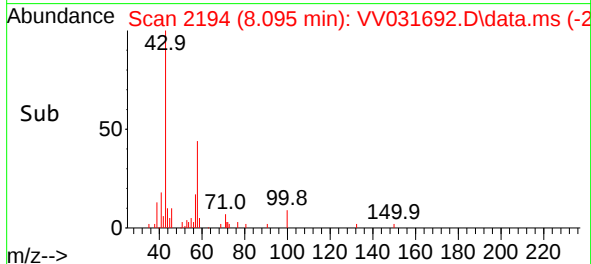
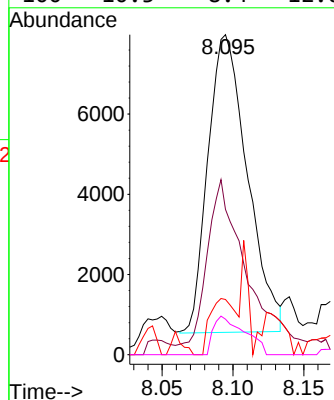
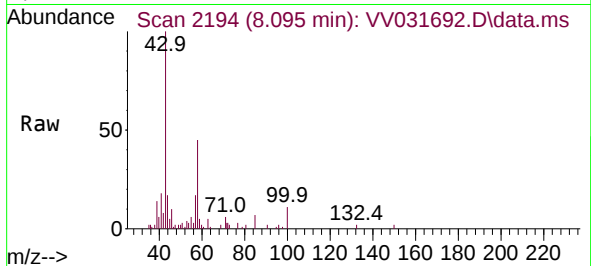




#48
2-Hexanone
Concen: 2.652 ug/L
RT: 8.095 min Scan# 2191
Delta R.T. 0.010 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

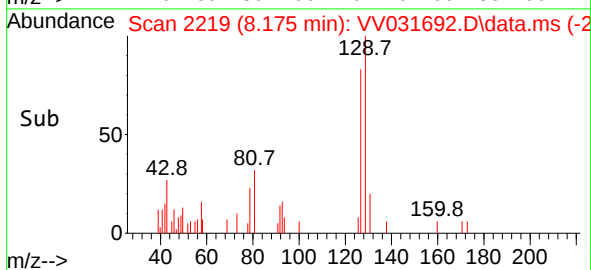
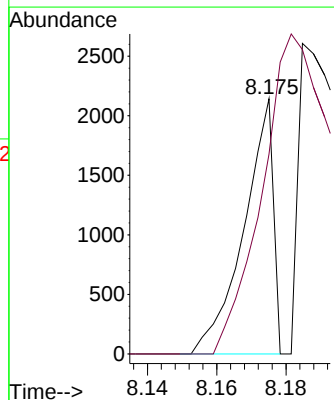
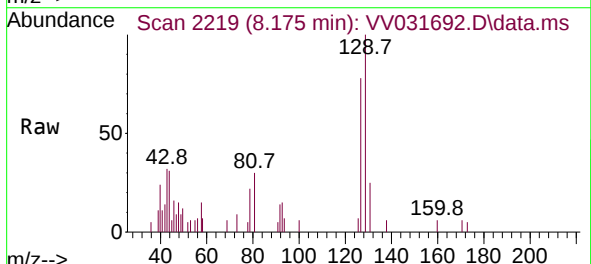
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

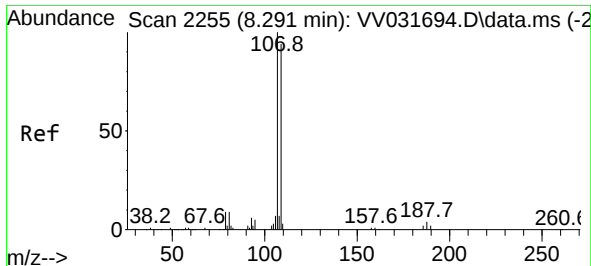
Tgt Ion:	43	Resp:	14354
Ion	Ratio	Lower	Upper
43	100		
58	55.8	42.6	64.0
57	11.2	14.6	21.8
100	10.3	8.4	12.6



#49
Dibromochloromethane
Concen: 0.117 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.010 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion:	129	Resp:	1262
Ion	Ratio	Lower	Upper
129	100		
127	78.3	51.7	96.1





#50

1,2-Dibromoethane

Concen: 0.492 ug/L

RT: 8.297 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5260

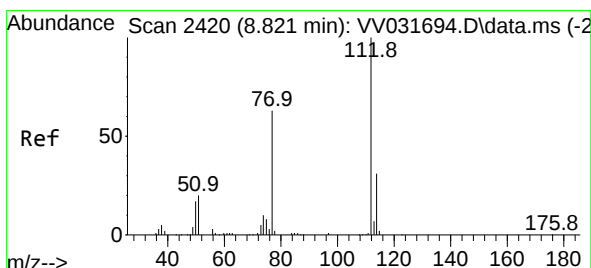
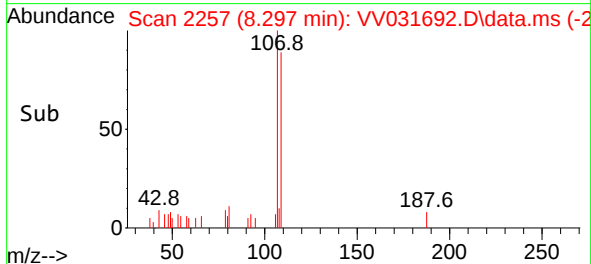
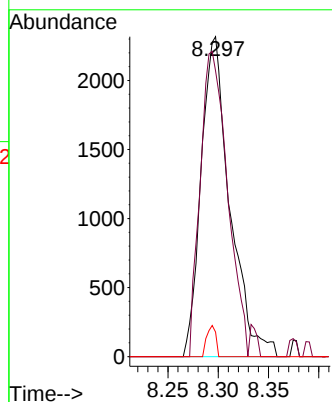
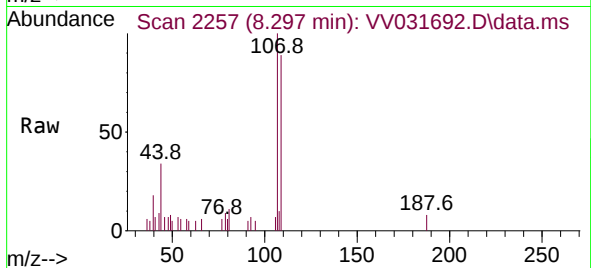
Tgt Ion:107 Resp: 4613

Ion Ratio Lower Upper

107 100

109 89.3 67.6 125.6

188 7.7 3.0 4.6#



#51

Chlorobenzene

Concen: 0.450 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

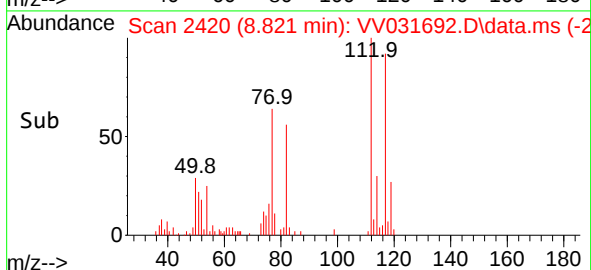
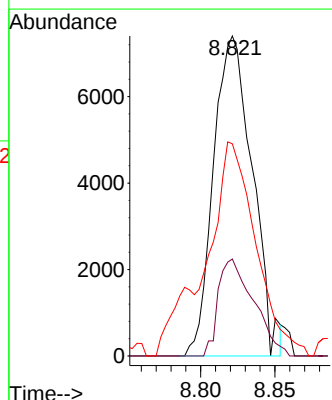
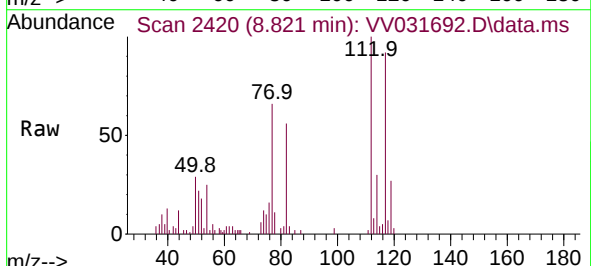
Tgt Ion:112 Resp: 13484

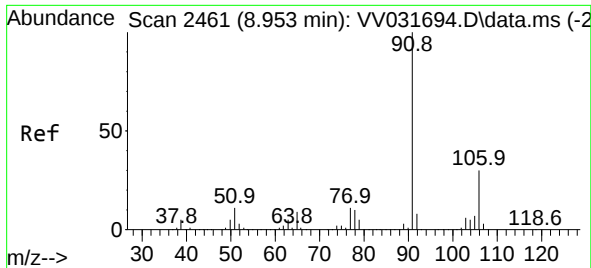
Ion Ratio Lower Upper

112 100

114 28.0 21.6 40.2

77 71.7 54.2 81.4

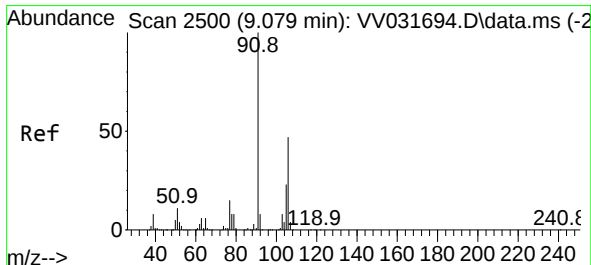
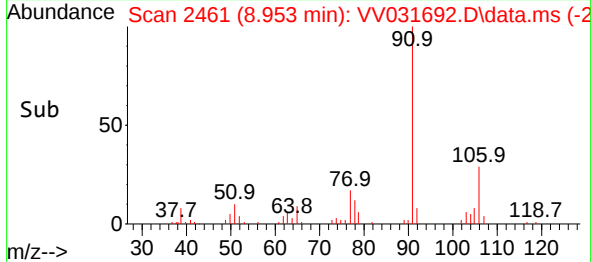
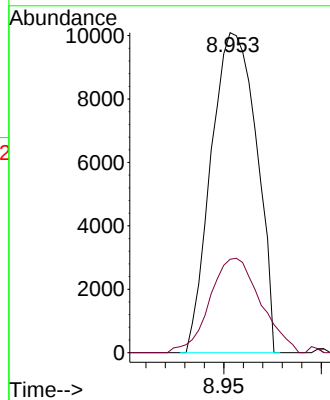
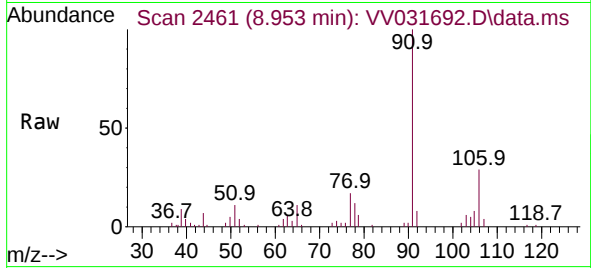




#52
Ethylbenzene
Concen: 0.364 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

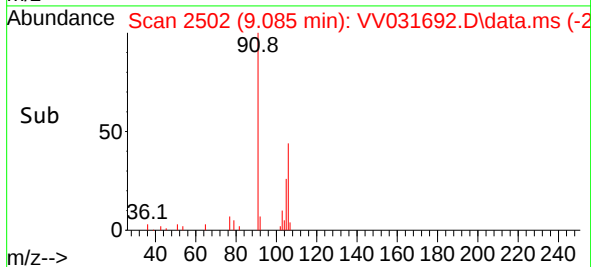
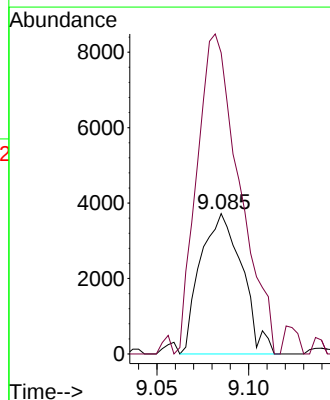
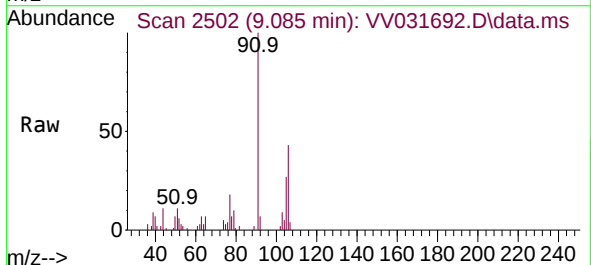
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

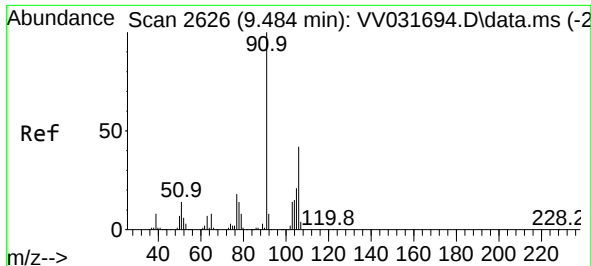
Tgt Ion: 91 Resp: 16365
Ion Ratio Lower Upper
91 100
106 29.2 21.2 39.4



#53
m,p-Xylene
Concen: 0.354 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.006 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion: 106 Resp: 5884
Ion Ratio Lower Upper
106 100
91 214.7 149.9 278.3

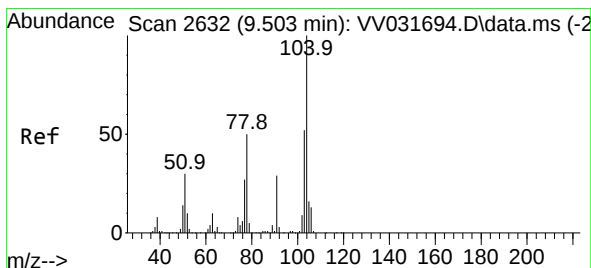
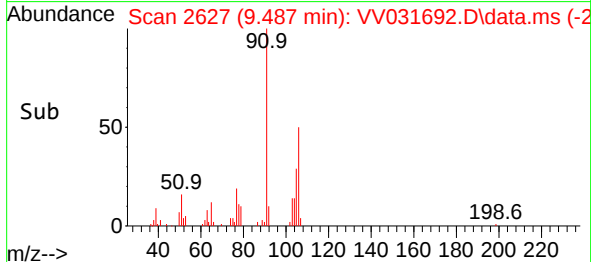
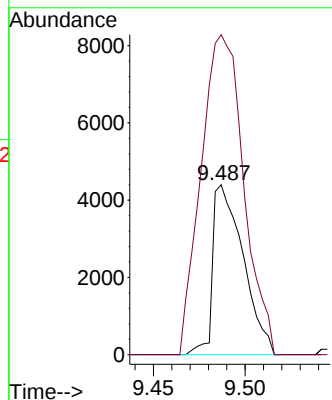
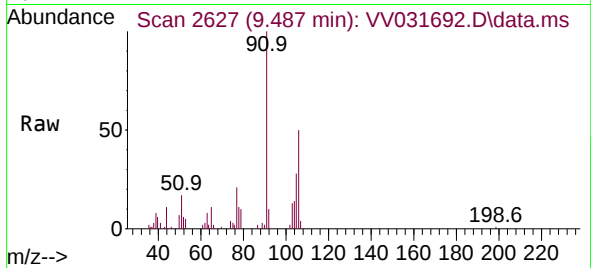




#54
o-Xylene
Concen: 0.328 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

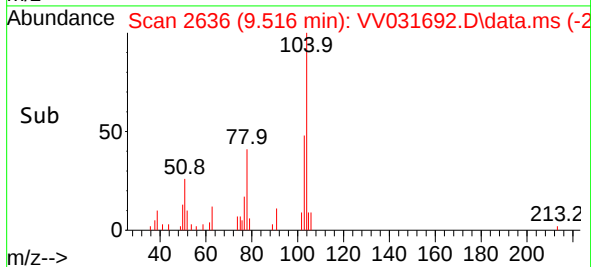
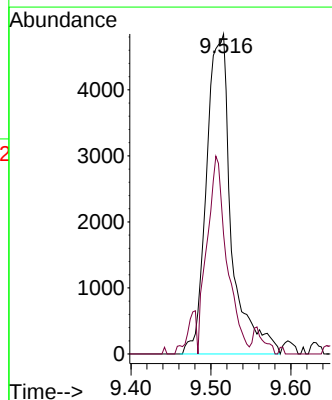
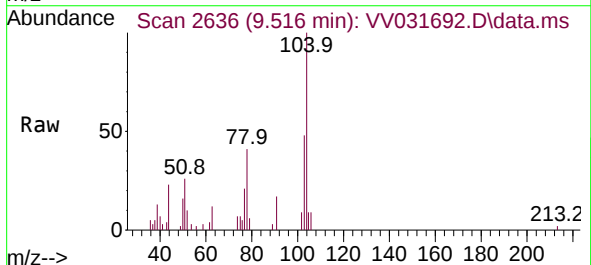
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

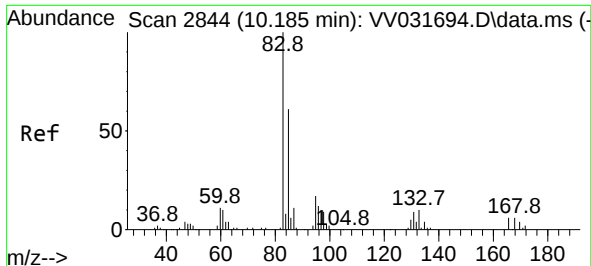
Tgt Ion:106 Resp: 5062
Ion Ratio Lower Upper
106 100
91 188.4 166.7 309.5



#55
Styrene
Concen: 0.360 ug/L
RT: 9.516 min Scan# 2636
Delta R.T. 0.013 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion:104 Resp: 10478
Ion Ratio Lower Upper
104 100
78 37.5 35.3 65.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.440 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5260

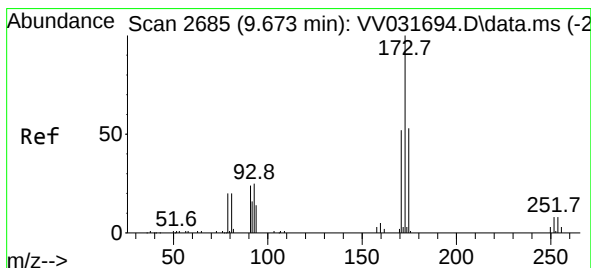
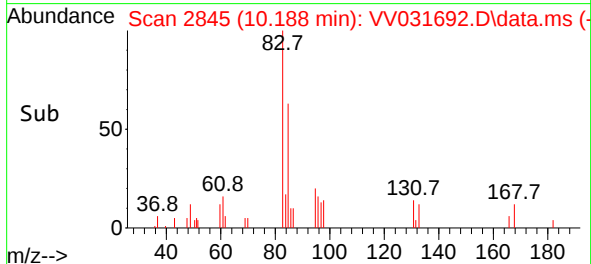
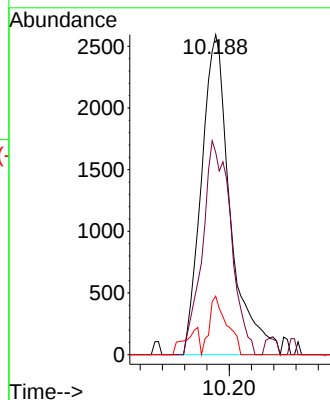
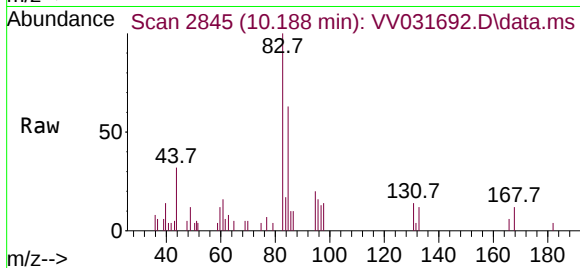
Tgt Ion: 83 Resp: 4668

Ion Ratio Lower Upper

83 100

85 73.7 48.6 90.2

131 18.3 7.0 10.6#



#59

Bromoform

Concen: 0.535 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

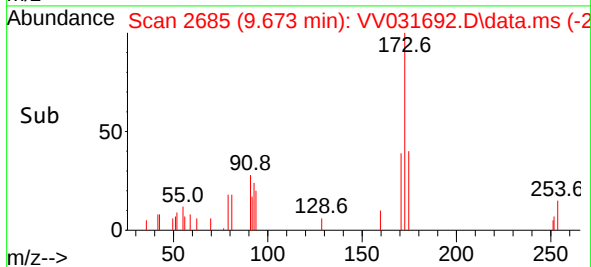
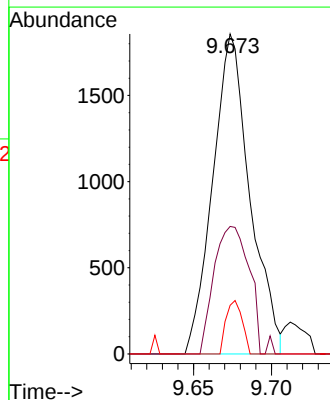
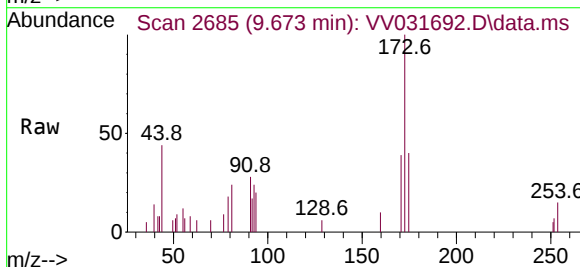
Tgt Ion: 173 Resp: 3078

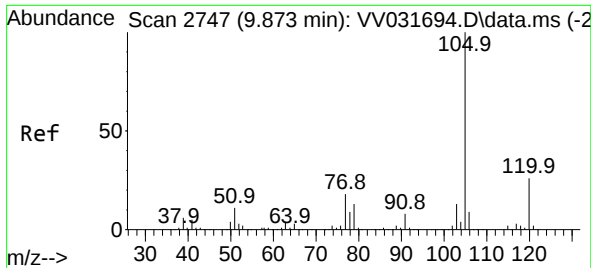
Ion Ratio Lower Upper

173 100

175 37.4 40.2 60.4#

254 7.2 6.4 9.6

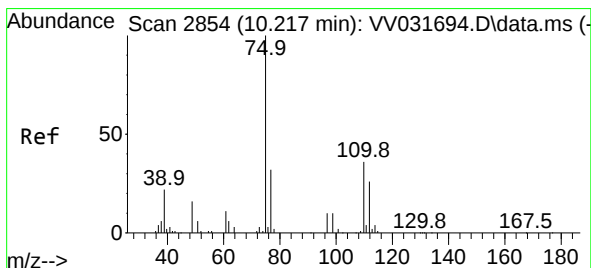
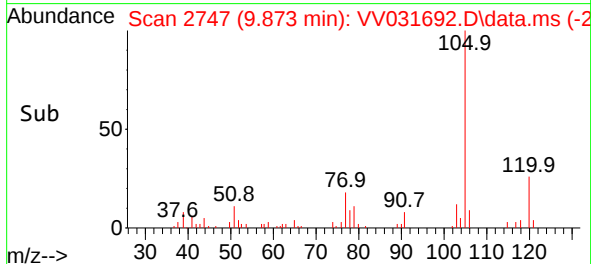
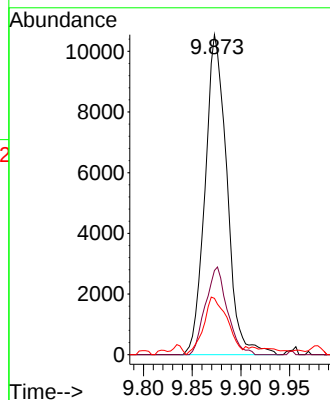
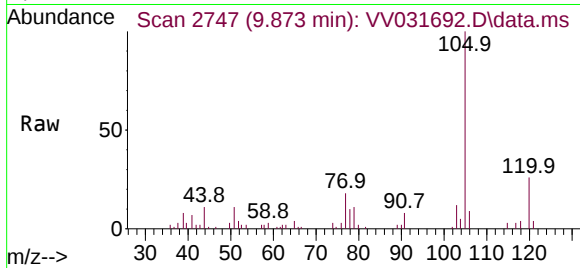




#60
Isopropylbenzene
Concen: 0.431 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

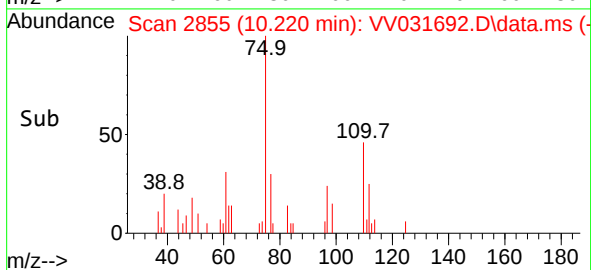
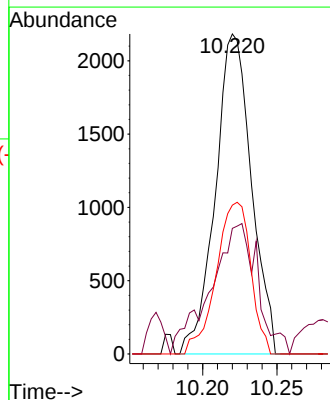
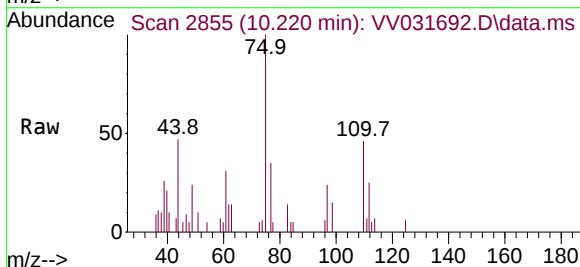
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

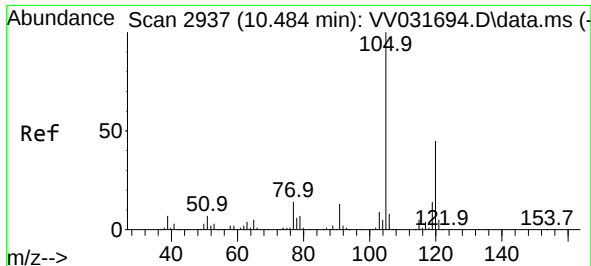
Tgt Ion:105 Resp: 16454
Ion Ratio Lower Upper
105 100
120 27.4 20.0 30.0
77 19.5 14.2 21.4



#61
1,2,3-Trichloropropane
Concen: 0.481 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion: 75 Resp: 3684
Ion Ratio Lower Upper
75 100
77 53.2 25.9 38.9#
110 45.5 28.6 42.8#





#62

1,3,5-Trimethylbenzene

Concen: 0.432 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

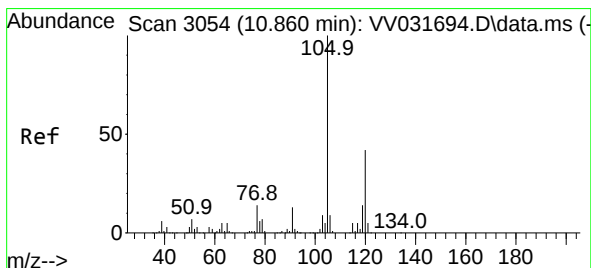
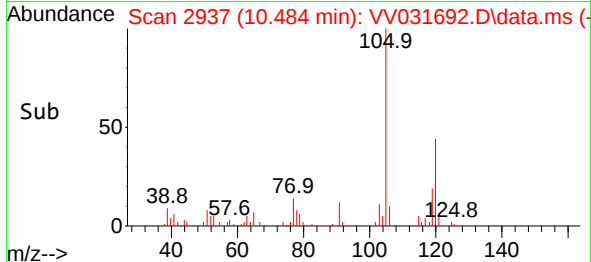
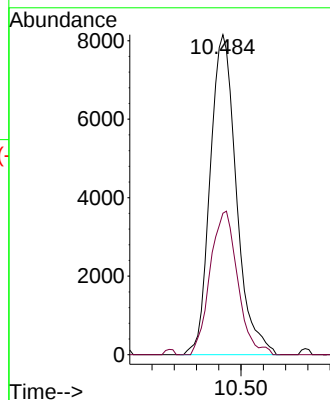
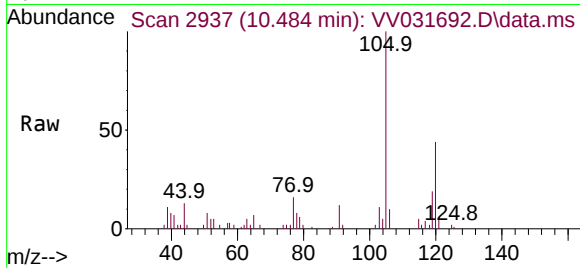
VSTD0.5260

Tgt Ion:105 Resp: 13295

Ion Ratio Lower Upper

105 100

120 47.2 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 0.409 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV031692.D

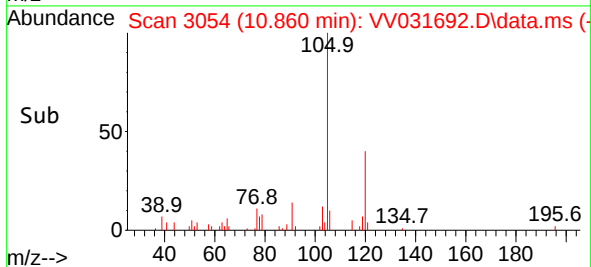
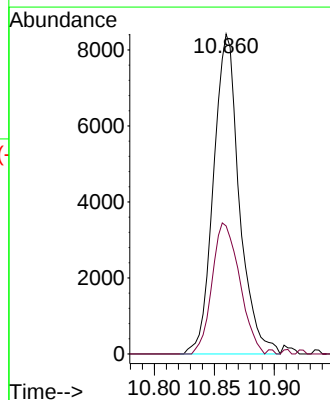
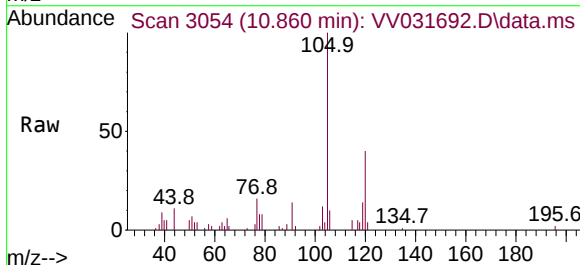
Acq: 13 Jul 2023 13:00

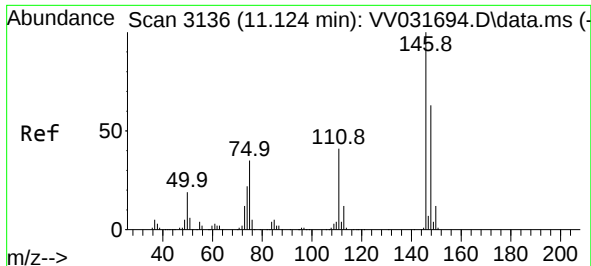
Tgt Ion:105 Resp: 12582

Ion Ratio Lower Upper

105 100

120 43.7 33.4 50.0

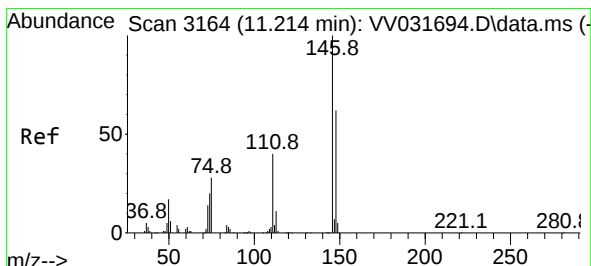
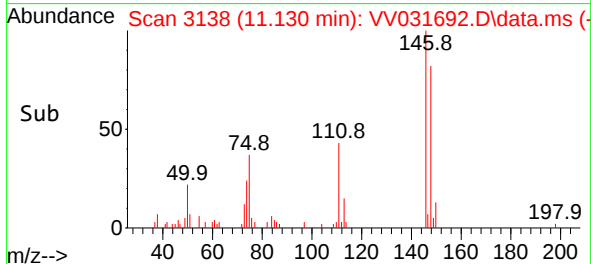
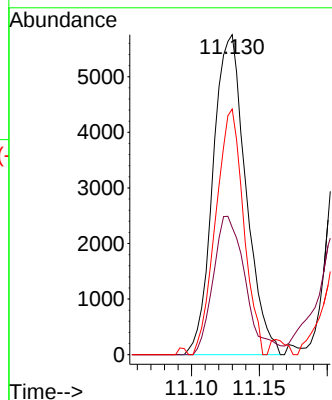
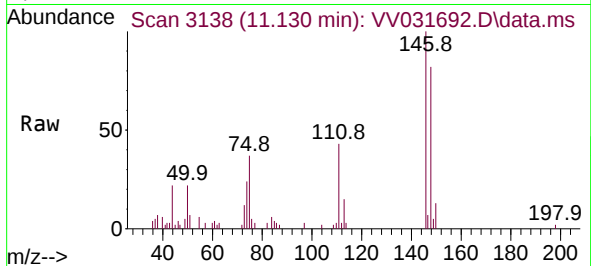




#64
1,3-Dichlorobenzene
Concen: 0.471 ug/L
RT: 11.130 min Scan# 3136
Delta R.T. 0.006 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

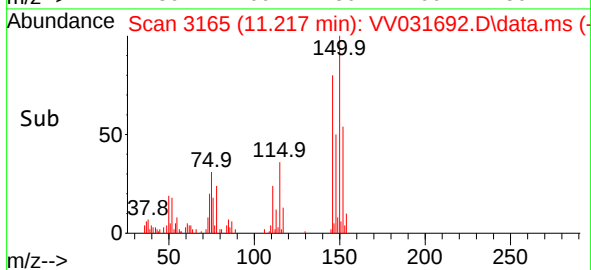
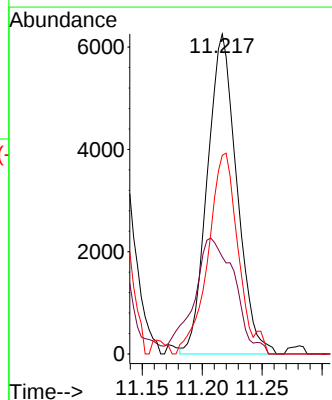
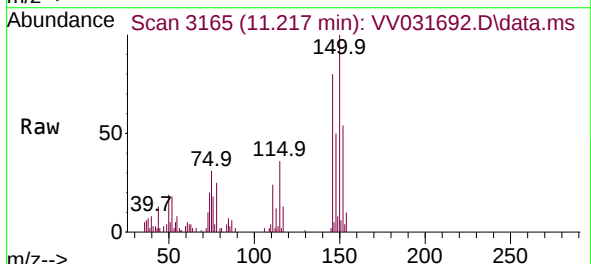
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

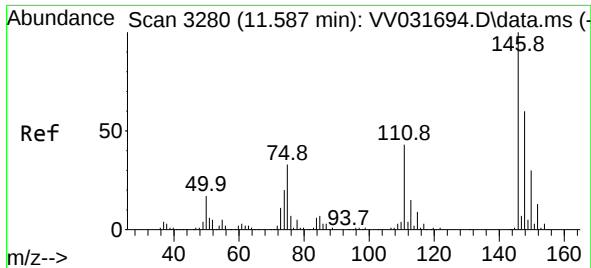
Tgt Ion:146 Resp: 9697
Ion Ratio Lower Upper
146 100
111 39.7 28.8 53.4
148 76.8 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 0.490 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion:146 Resp: 10672
Ion Ratio Lower Upper
146 100
111 30.3 28.2 52.4
148 62.1 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 0.493 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5260

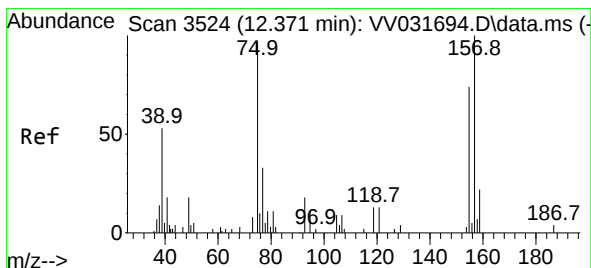
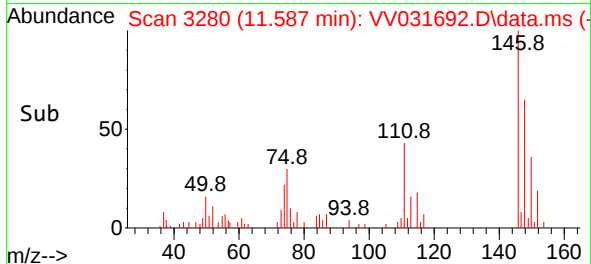
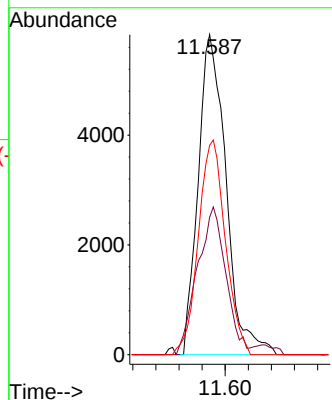
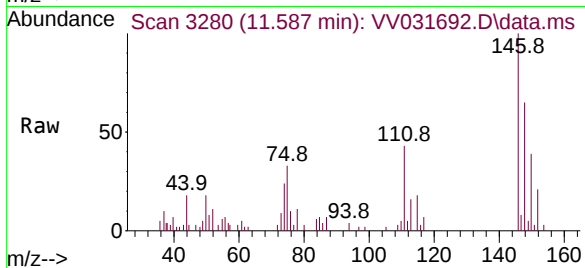
Tgt Ion:146 Resp: 9730

Ion Ratio Lower Upper

146 100

111 43.0 34.2 51.4

148 65.4 48.1 72.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.262 ug/L

RT: 12.377 min Scan# 3526

Delta R.T. 0.006 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

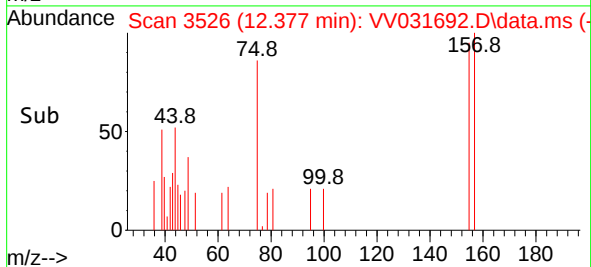
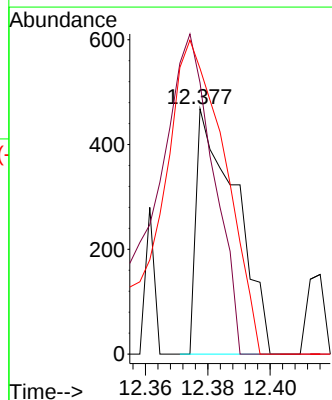
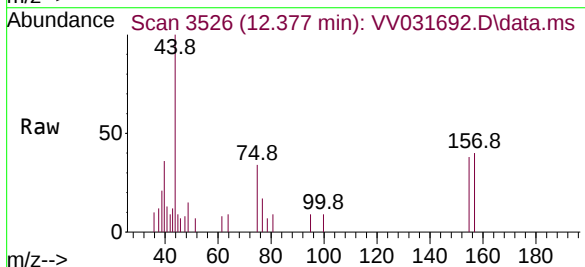
Tgt Ion: 75 Resp: 413

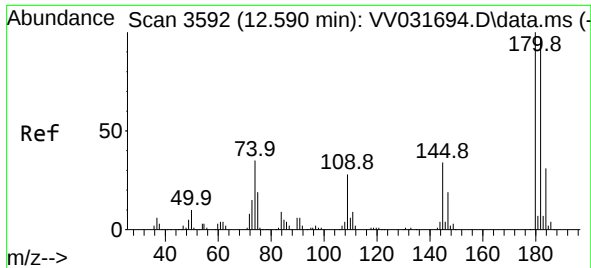
Ion Ratio Lower Upper

75 100

155 110.7 61.4 92.0#

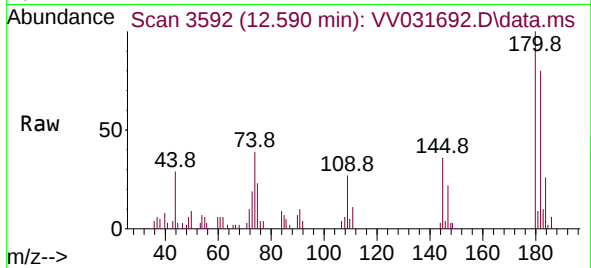
157 116.5 82.8 124.2



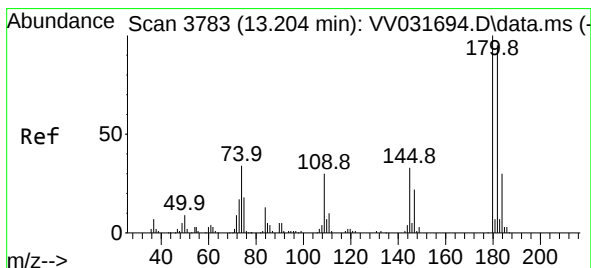
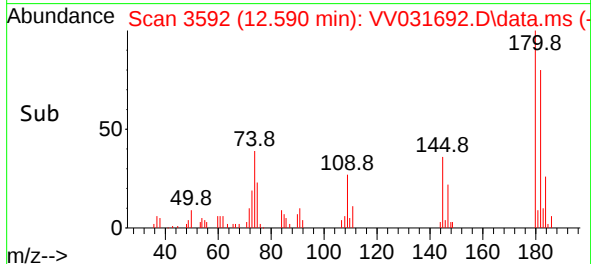
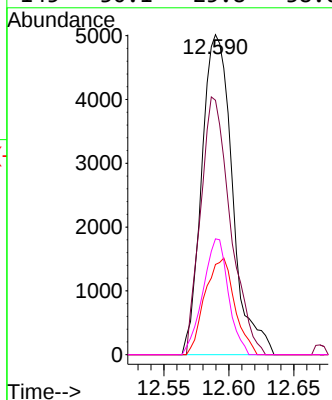


#69
1,3,5-Trichlorobenzene
Concen: 0.548 ug/L
RT: 12.590 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5260

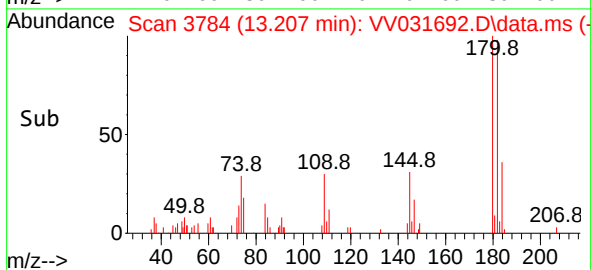
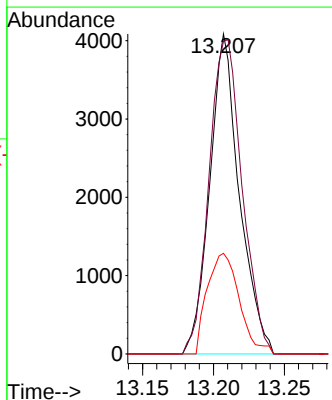
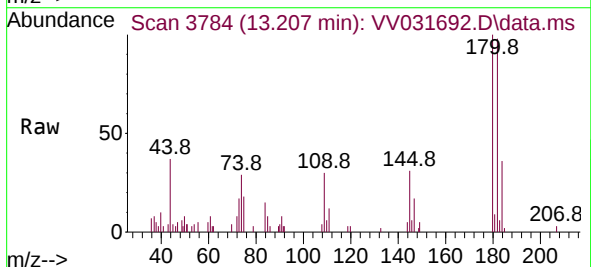


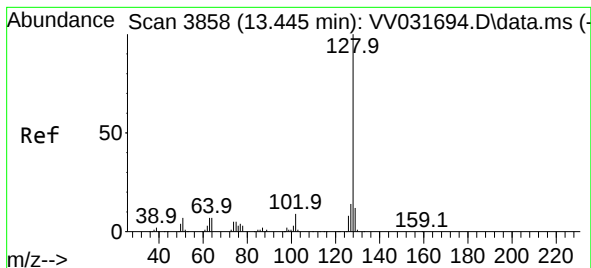
Tgt Ion:180 Resp: 8242
Ion Ratio Lower Upper
180 100
182 78.2 78.3 117.5#
184 29.1 24.5 36.7
145 30.1 25.8 38.6



#70
1,2,4-trichlorobenzene
Concen: 0.499 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.003 min
Lab File: VV031692.D
Acq: 13 Jul 2023 13:00

Tgt Ion:180 Resp: 5948
Ion Ratio Lower Upper
180 100
182 109.8 76.0 114.0
145 34.0 26.2 39.4





#71

Naphthalene

Concen: 0.450 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.006 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5260

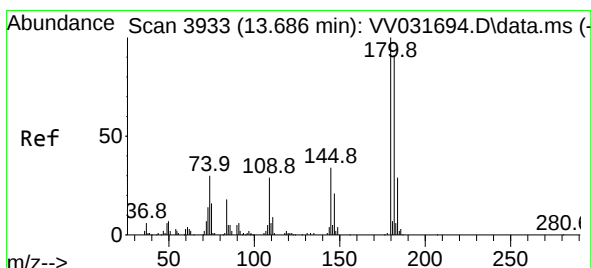
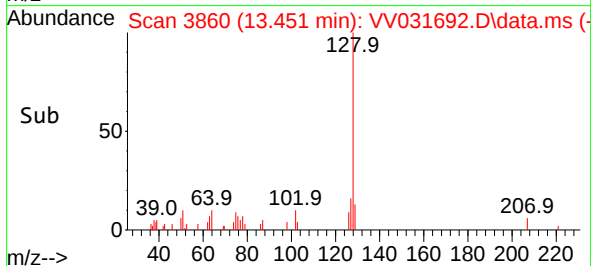
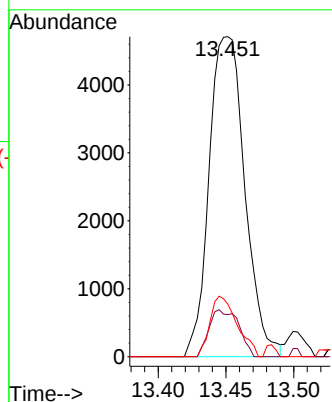
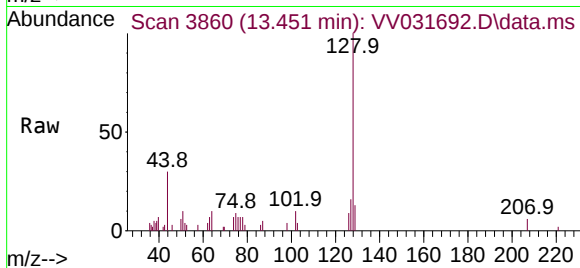
Tgt Ion:128 Resp: 8651

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

127 14.3 11.6 17.4



#72

1,2,3-Trichlorobenzene

Concen: 0.446 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031692.D

Acq: 13 Jul 2023 13:00

Tgt Ion:180 Resp: 4907

Ion Ratio Lower Upper

180 100

182 111.4 74.6 111.8

145 39.3 27.4 41.0

