

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033274.D
 Acq On : 13 Dec 2023 13:11
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV221

Quant Time: Dec 13 23:24:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 23:17:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	162341	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	153724	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	81665	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	53356	5.127	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 102.600%	
7) Chloroethane-d5	1.532	69	38404	4.962	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 99.200%	
11) 1,1-Dichloroethene-d2	2.056	65	20968	5.062	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 101.200%	
20) 2-Butanone-d5	3.825	46	64436	52.320	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	= 104.640%	
24) Chloroform-d	4.246	84	108684	5.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 100.200%	
26) 1,2-Dichloroethane-d4	4.941	65	48260	5.116	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 102.400%	
32) Benzene-d6	4.957	84	207521	5.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 104.400%	
36) 1,2-Dichloropropane-d6	5.986	67	48325	5.339	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 106.800%	
41) Toluene-d8	7.243	98	204405	5.275	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 105.600%	
43) trans-1,3-Dichloroprop...	7.555	79	21721	5.260	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 105.200%	
46) 2-Hexanone-d5	8.027	63	64214	55.704	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 111.400%	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	31949	5.219	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 104.400%	
66) 1,2-Dichlorobenzene-d4	11.561	152	77326	5.376	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 107.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	99339	4.905	ug/L	98
3) Chloromethane	1.214	50	56915	4.915	ug/L	99
5) Vinyl chloride	1.282	62	58826	5.020	ug/L	100
6) Bromomethane	1.487	94	39275	5.113	ug/L	100
8) Chloroethane	1.548	64	31069	4.595	ug/L	99
9) Trichlorofluoromethane	1.712	101	103532	4.815	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	48648	4.893	ug/L	99
12) 1,1-Dichloroethene	2.066	96	45670	4.914	ug/L	97
13) Acetone	2.381	43	9699	11.127	ug/L	87
14) Carbon disulfide	2.237	76	151330	5.000	ug/L	100
15) Methyl Acetate	2.381	43	11059	4.787	ug/L	95
16) Methylene chloride	2.446	84	53559	5.003	ug/L	98
17) Methyl tert-butyl Ether	2.703	73	101200	5.287	ug/L	99
18) trans-1,2-Dichloroethene	2.690	96	56142	4.989	ug/L	96
19) 1,1-Dichloroethane	3.108	63	86261	4.885	ug/L	98
21) 2-Butanone	3.896	43	59500	46.856	ug/L	89
22) cis-1,2-Dichloroethene	3.812	96	59366	5.106	ug/L	95
23) Bromochloromethane	4.143	128	24923	4.964	ug/L	99
25) Chloroform	4.272	83	101469	4.873	ug/L	99

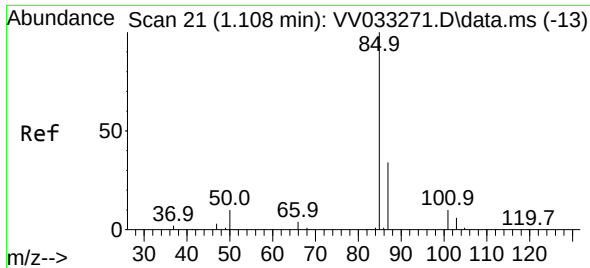
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
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Quant Time: Dec 13 23:24:30 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 23:17:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	56977	4.986	ug/L	98
29) 1,1,1-Trichloroethane	4.507	97	104290	4.893	ug/L	98
30) Cyclohexane	4.577	56	69397	5.102	ug/L	99
31) Carbon tetrachloride	4.732	117	99144	4.979	ug/L	98
33) Benzene	5.008	78	209951	5.097	ug/L	100
34) Trichloroethene	5.831	95	60677	5.052	ug/L	99
35) Methylcyclohexane	6.047	83	88524	4.977	ug/L	98
37) 1,2-Dichloropropane	6.092	63	41525	5.012	ug/L	100
38) Bromodichloromethane	6.429	83	68065	5.119	ug/L	96
39) cis-1,3-Dichloropropene	6.953	75	71179	5.290	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	163873	55.898	ug/L	98
42) Toluene	7.314	91	239749	5.081	ug/L	96
44) trans-1,3-Dichloropropene	7.584	75	59406	5.297	ug/L	97
45) 1,1,2-Trichloroethane	7.770	97	33544	5.257	ug/L	96
47) Tetrachloroethene	7.902	164	55565	4.887	ug/L	96
48) 2-Hexanone	8.079	43	120885	57.212	ug/L	99
49) Dibromochloromethane	8.175	129	45351	5.067	ug/L	98
50) 1,2-Dibromoethane	8.281	107	30393	5.130	ug/L	96
51) Chlorobenzene	8.812	112	158538	4.906	ug/L	99
52) Ethylbenzene	8.947	91	266419	5.040	ug/L	99
53) m,p-Xylene	9.072	106	108681	4.996	ug/L	98
54) o-Xylene	9.477	106	103252	5.011	ug/L	95
55) Styrene	9.497	104	172704	5.109	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	30933	4.975	ug/L	99
59) Bromoform	9.667	173	26904	5.363	ug/L	98
60) Isopropylbenzene	9.866	105	286513	5.296	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	23598	5.452	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	233319	5.273	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	231692	5.294	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	140612	5.107	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	139234	5.083	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	122804	5.188	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	5249	5.185	ug/L	99
69) 1,3,5-Trichlorobenzene	12.583	180	111366	5.067	ug/L	98
70) 1,2,4-trichlorobenzene	13.198	180	86829	5.128	ug/L	97
71) Naphthalene	13.442	128	123847	6.314	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	74219	5.461	ug/L	98

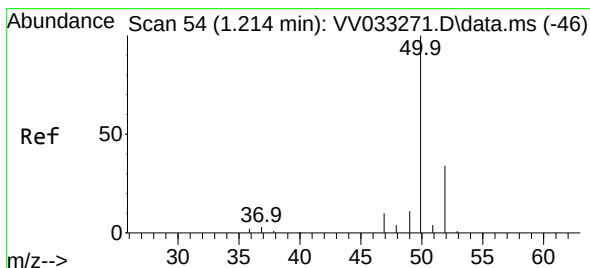
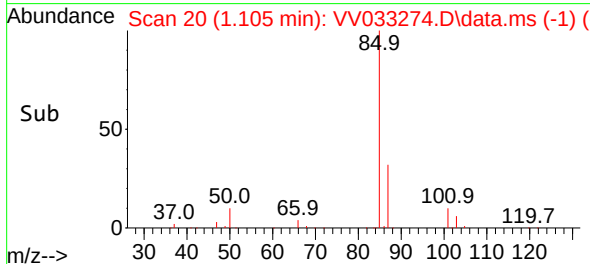
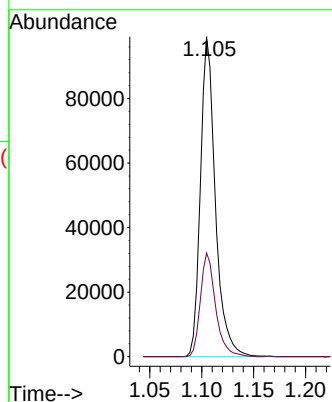
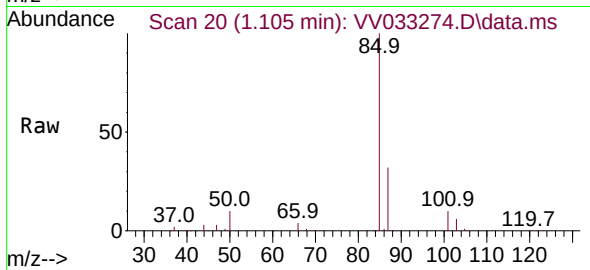
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.905 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033274.D
 Acq: 13 Dec 2023 13:11

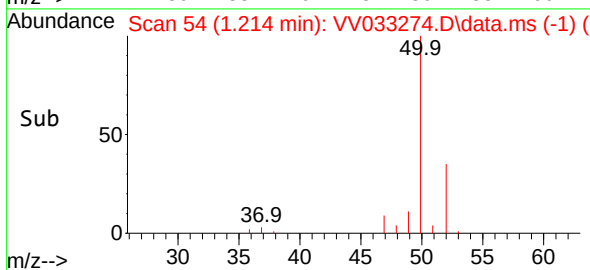
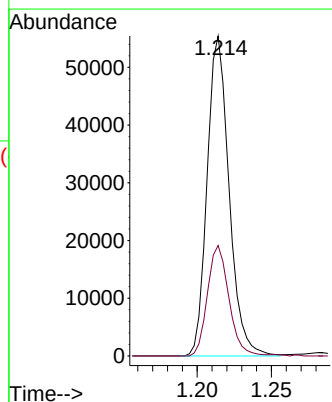
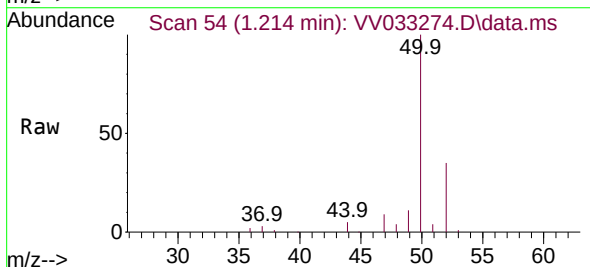
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV221

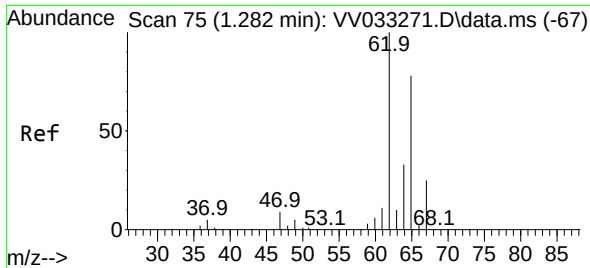
Tgt Ion: 85 Resp: 99339
 Ion Ratio Lower Upper
 85 100
 87 32.9 27.4 41.2



#3
 Chloromethane
 Concen: 4.915 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033274.D
 Acq: 13 Dec 2023 13:11

Tgt Ion: 50 Resp: 56915
 Ion Ratio Lower Upper
 50 100
 52 34.5 23.8 44.2

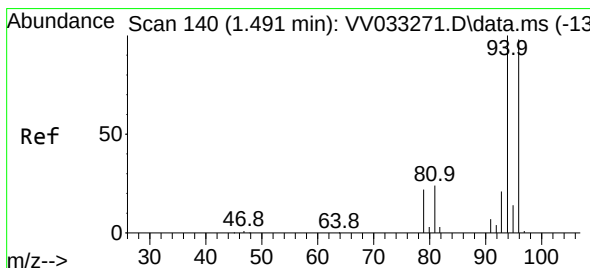
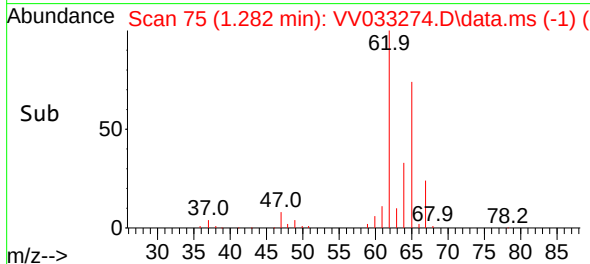
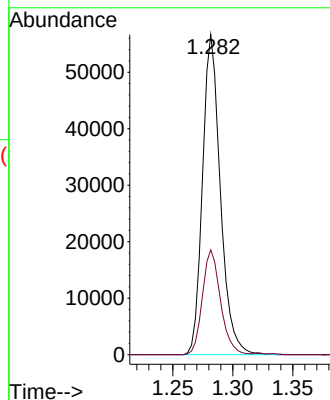
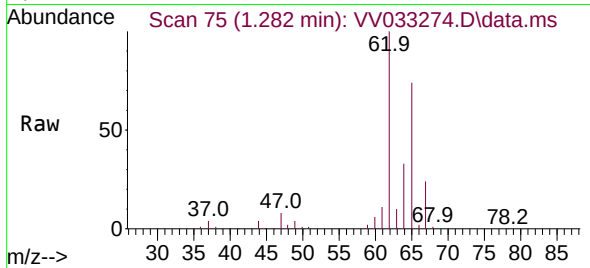




#5
 Vinyl chloride
 Concen: 5.020 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV033274.D
 Acq: 13 Dec 2023 13:11

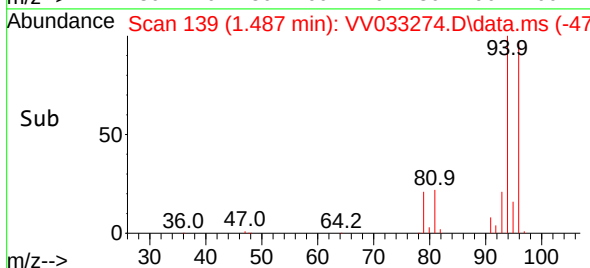
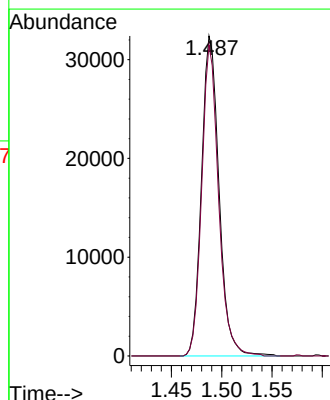
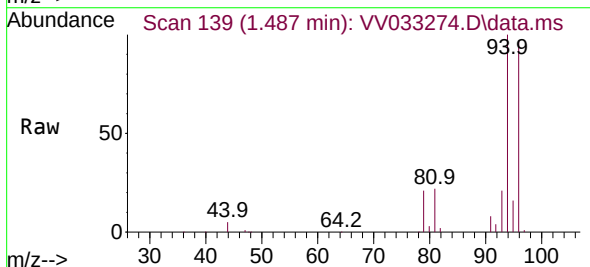
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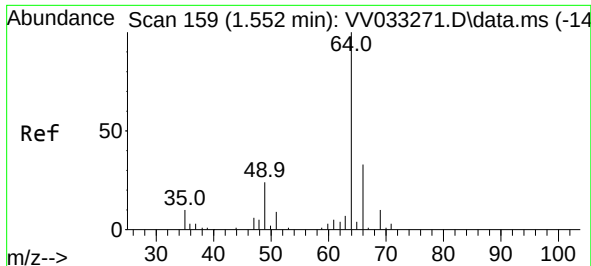
Tgt Ion:	62	Resp:	58826
Ion Ratio	Lower	Upper	
62	100		
64	32.7	23.0	42.8



#6
 Bromomethane
 Concen: 5.113 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV033274.D
 Acq: 13 Dec 2023 13:11

Tgt Ion:	94	Resp:	39275
Ion Ratio	Lower	Upper	
94	100		
96	97.2	68.3	126.8





#8

Chloroethane

Concen: 4.595 ug/L

RT: 1.548 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

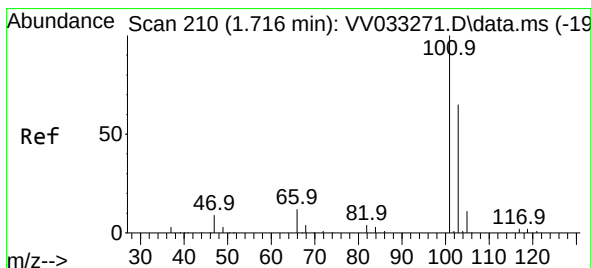
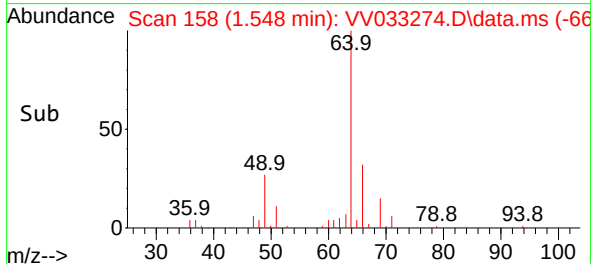
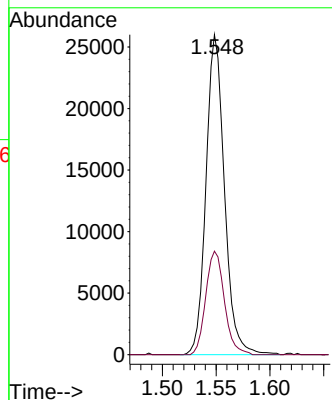
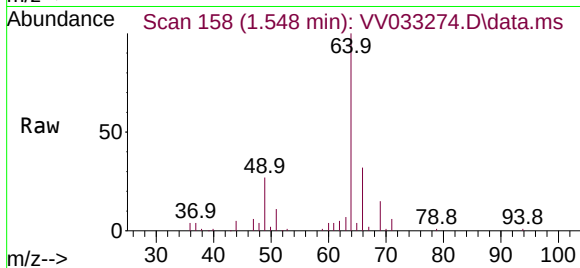
VICV221

Tgt Ion: 64 Resp: 31069

Ion Ratio Lower Upper

64 100

66 32.3 22.9 42.5



#9

Trichlorofluoromethane

Concen: 4.815 ug/L

RT: 1.712 min Scan# 209

Delta R.T. -0.003 min

Lab File: VV033274.D

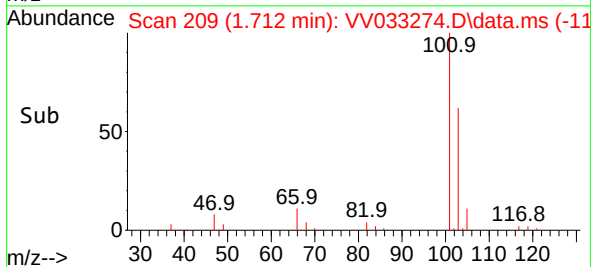
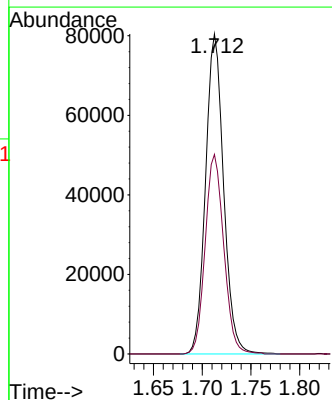
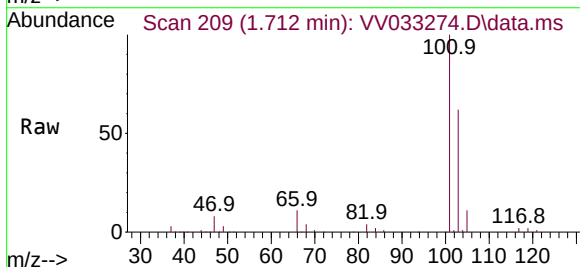
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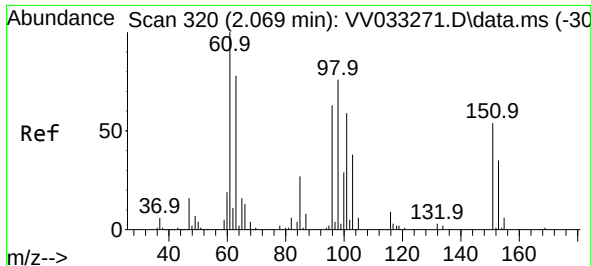
Tgt Ion:101 Resp: 103532

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.8

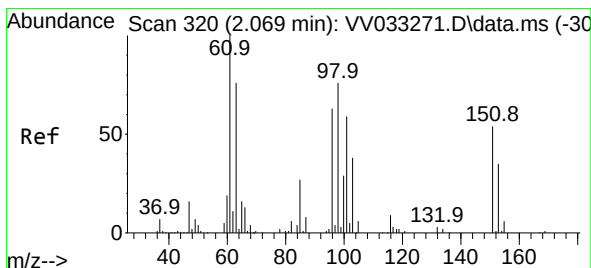
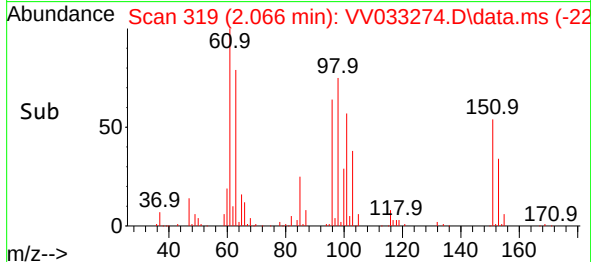
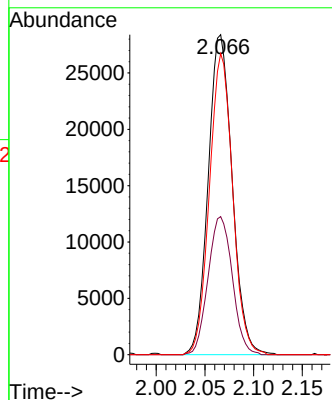
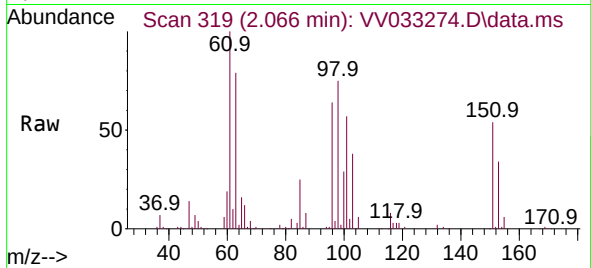




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.893 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV033274.D
 Acq: 13 Dec 2023 13:11

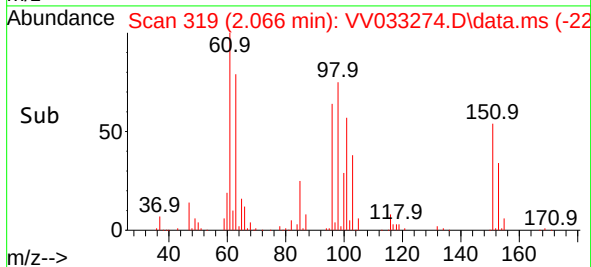
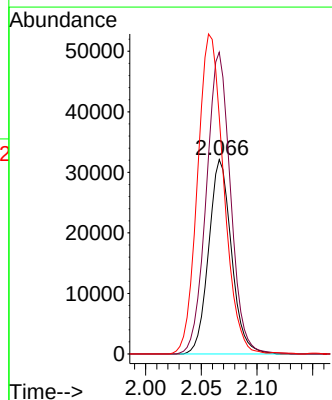
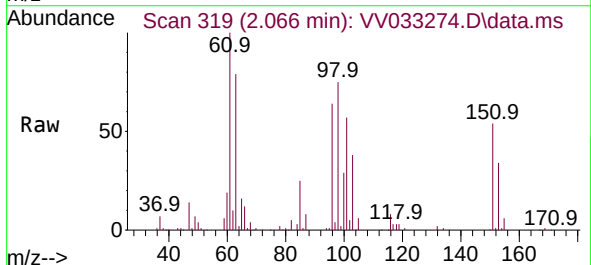
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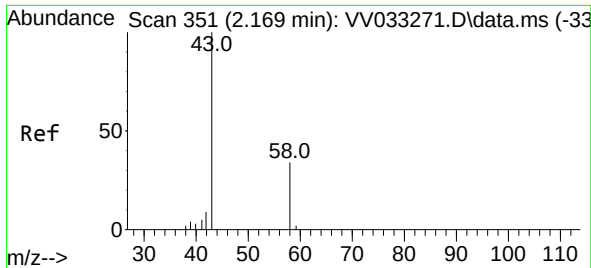
Tgt Ion:101 Resp: 48648
 Ion Ratio Lower Upper
 101 100
 85 43.6 36.2 54.2
 151 91.0 72.8 109.2



#12
 1,1-Dichloroethene
 Concen: 4.914 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV033274.D
 Acq: 13 Dec 2023 13:11

Tgt Ion: 96 Resp: 45670
 Ion Ratio Lower Upper
 96 100
 61 155.2 111.6 207.2
 63 122.1 87.1 161.7





#13

Acetone

Concen: 11.127 ug/L

RT: 2.381 min Scan# 417

Delta R.T. 0.212 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

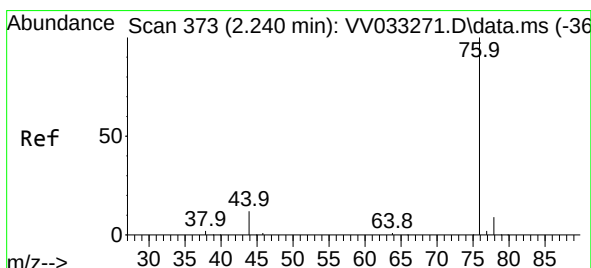
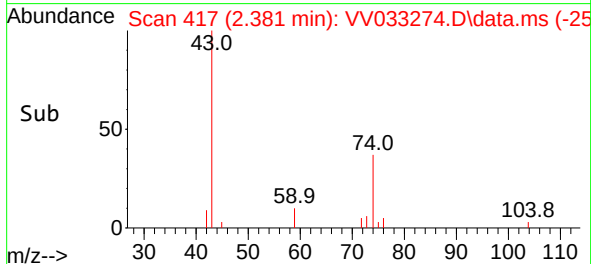
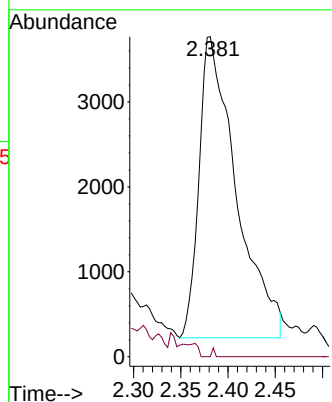
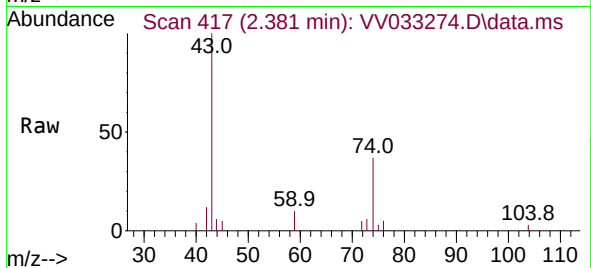
VICV221

Tgt Ion: 43 Resp: 9699

Ion Ratio Lower Upper

43 100

58 9.5 0.0 30.2



#14

Carbon disulfide

Concen: 5.000 ug/L

RT: 2.237 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV033274.D

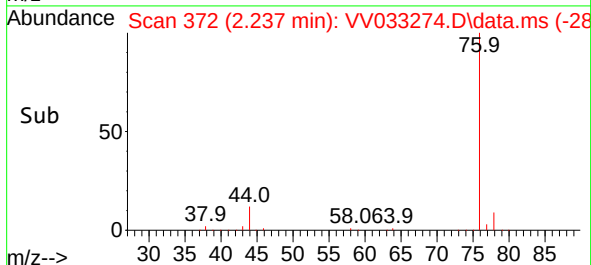
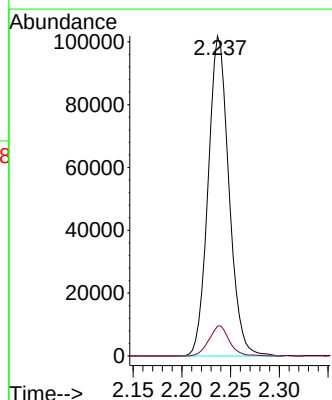
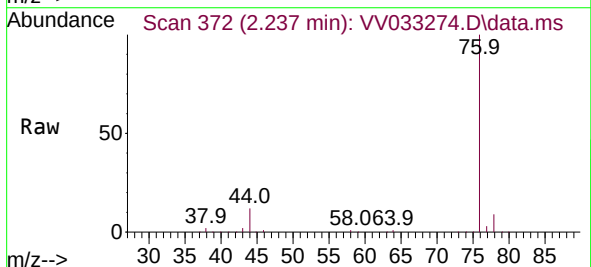
Acq: 13 Dec 2023 13:11

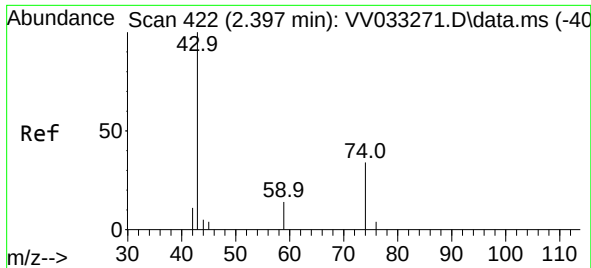
Tgt Ion: 76 Resp: 151330

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

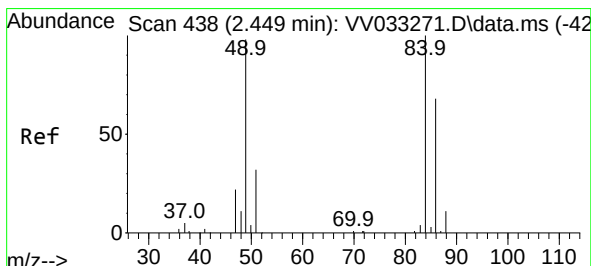
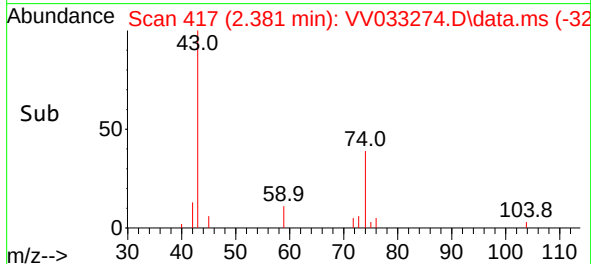
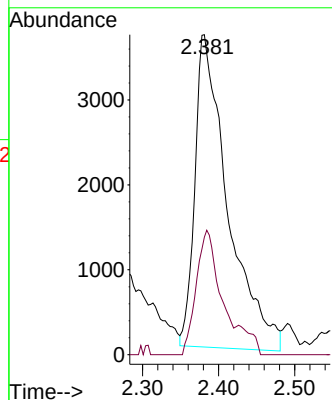
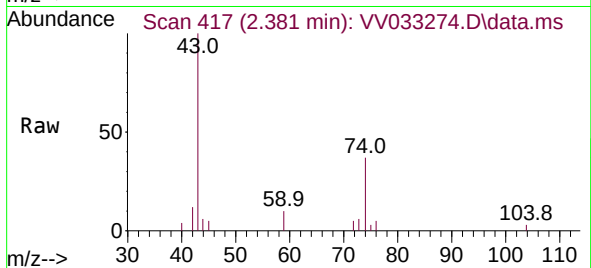




#15
Methyl Acetate
Concen: 4.787 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.016 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

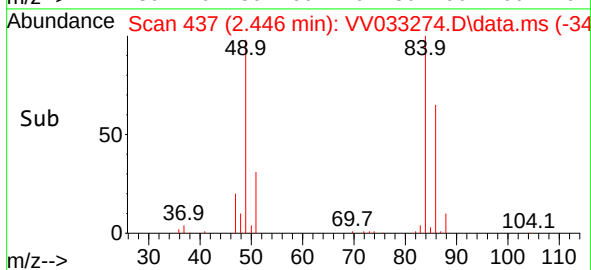
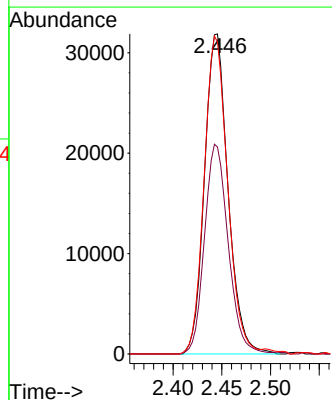
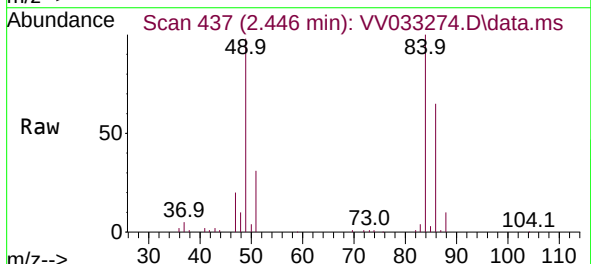
Instrument :
MSVOA_V
ClientSampleId :
VICV221

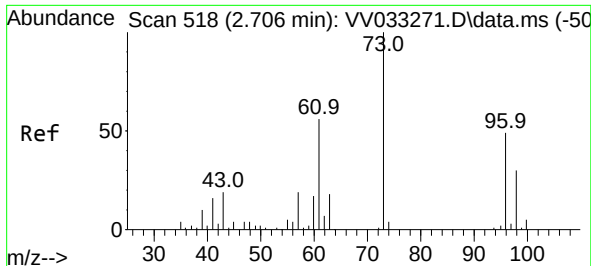
Tgt Ion: 43 Resp: 11059
Ion Ratio Lower Upper
43 100
74 28.8 21.0 31.6



#16
Methylene chloride
Concen: 5.003 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

Tgt Ion: 84 Resp: 53559
Ion Ratio Lower Upper
84 100
86 64.6 47.5 88.1
49 97.5 68.9 127.9

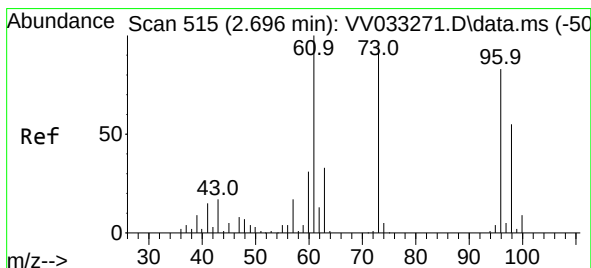
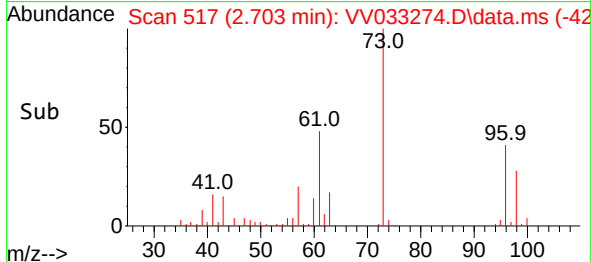
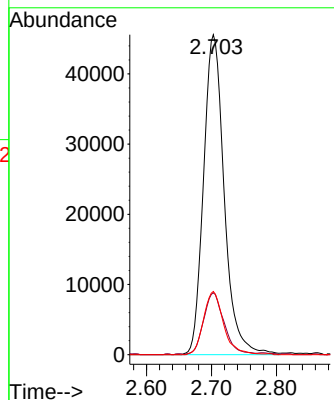
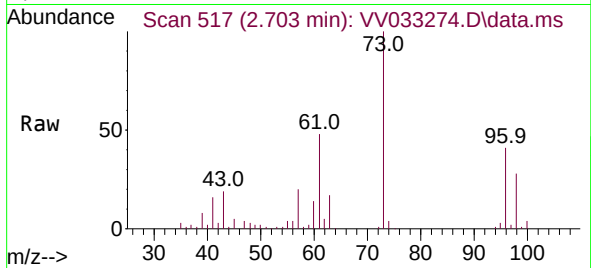




#17
Methyl tert-butyl Ether
Concen: 5.287 ug/L
RT: 2.703 min Scan# 518
Delta R.T. -0.003 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

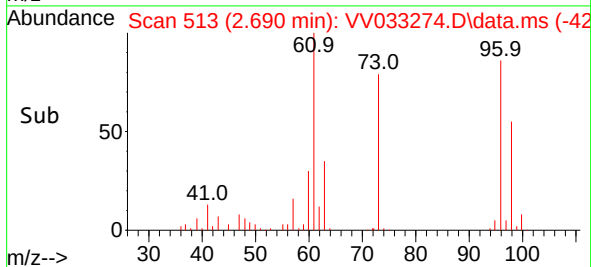
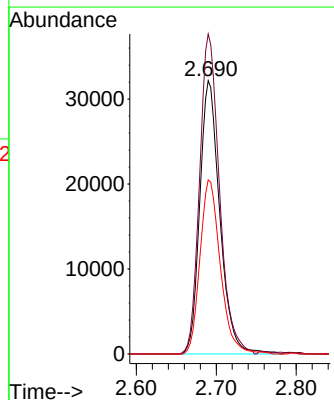
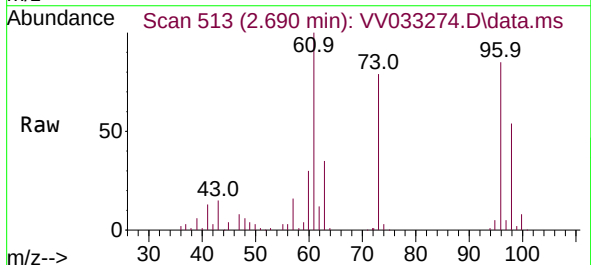
Instrument :
MSVOA_V
ClientSampleId :
VICV221

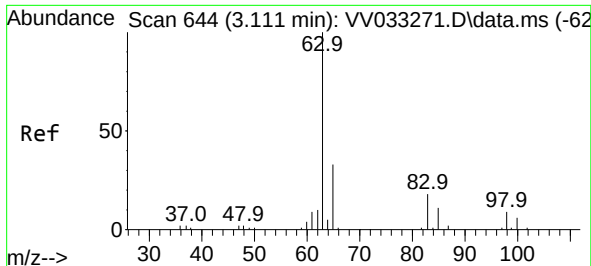
Tgt Ion: 73 Resp: 101200
Ion Ratio Lower Upper
73 100
43 19.2 16.0 24.0
57 19.1 15.6 23.4



#18
trans-1,2-Dichloroethene
Concen: 4.989 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.006 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

Tgt Ion: 96 Resp: 56142
Ion Ratio Lower Upper
96 100
61 117.1 84.6 157.2
98 63.7 46.7 86.7





#19

1,1-Dichloroethane

Concen: 4.885 ug/L

RT: 3.108 min Scan# 644

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV221

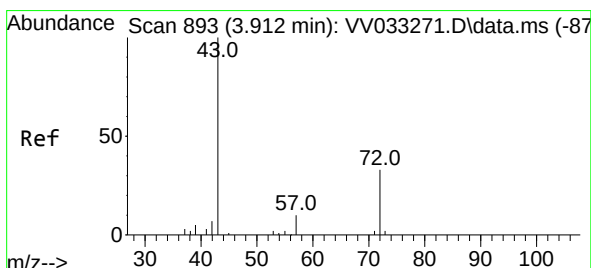
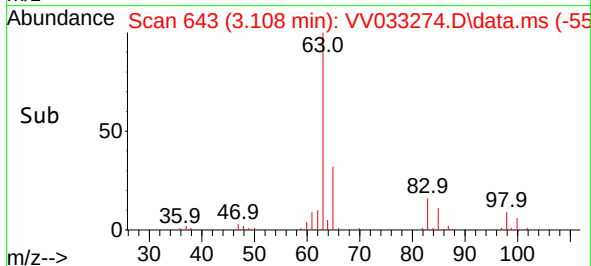
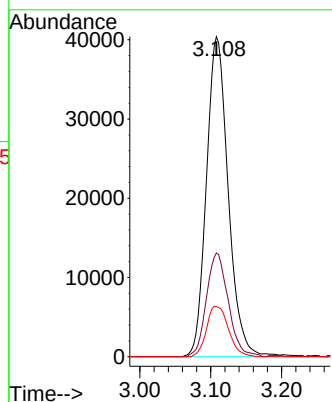
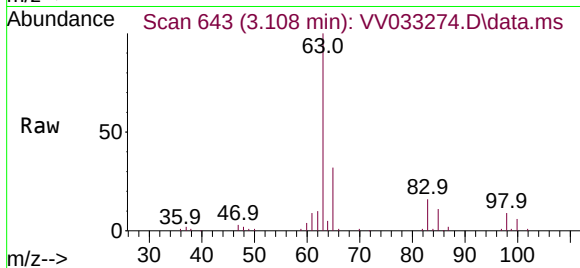
Tgt Ion: 63 Resp: 86261

Ion Ratio Lower Upper

63 100

65 32.4 22.9 42.5

83 15.6 12.6 23.4



#21

2-Butanone

Concen: 46.856 ug/L

RT: 3.896 min Scan# 888

Delta R.T. -0.016 min

Lab File: VV033274.D

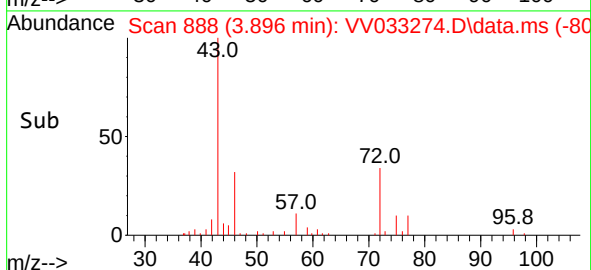
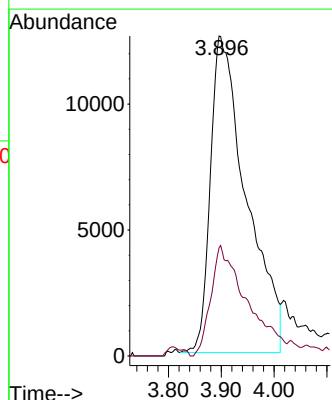
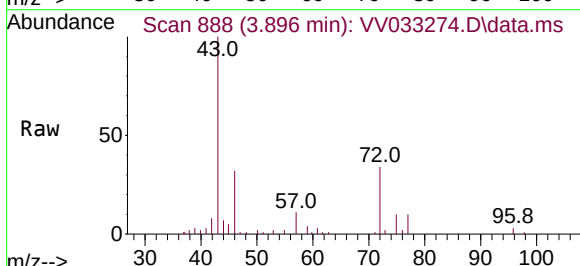
Acq: 13 Dec 2023 13:11

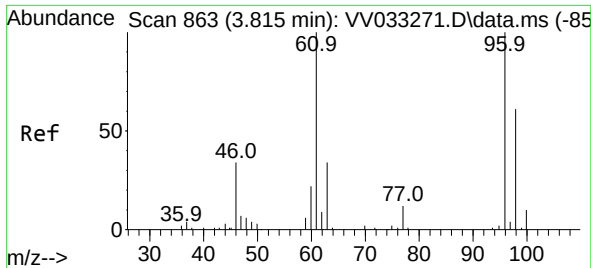
Tgt Ion: 43 Resp: 59500

Ion Ratio Lower Upper

43 100

72 35.2 14.8 44.3

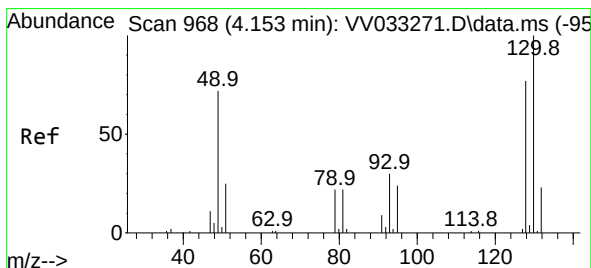
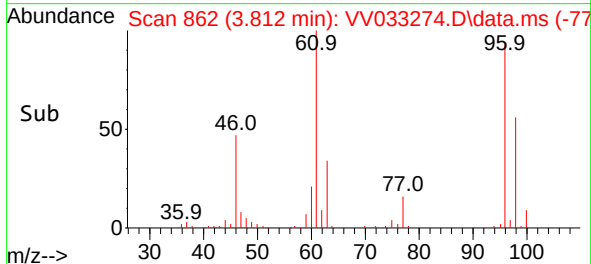
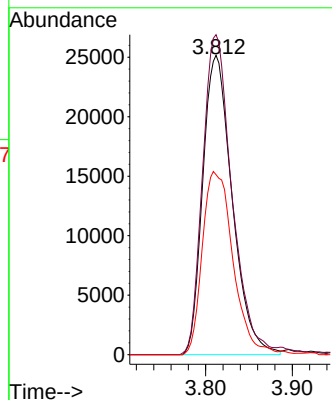
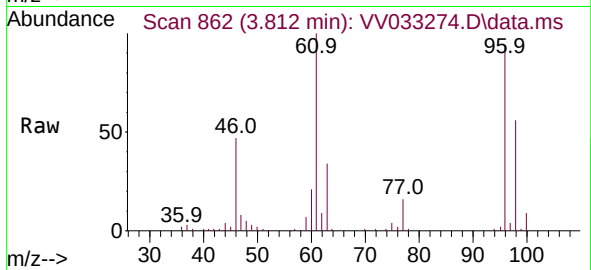




#22
cis-1,2-Dichloroethene
Concen: 5.106 ug/L
RT: 3.812 min Scan# 862
Delta R.T. -0.003 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

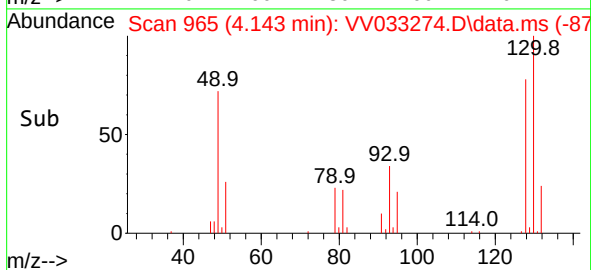
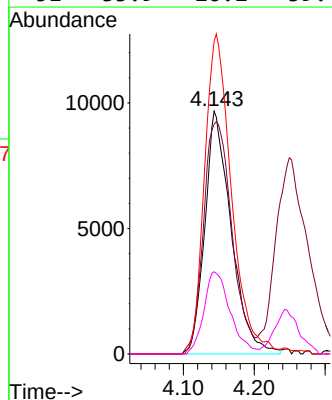
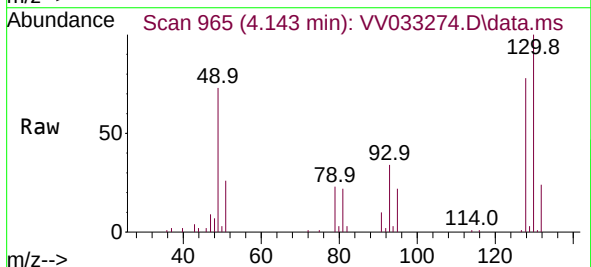
Instrument :
MSVOA_V
ClientSampleId :
VICV221

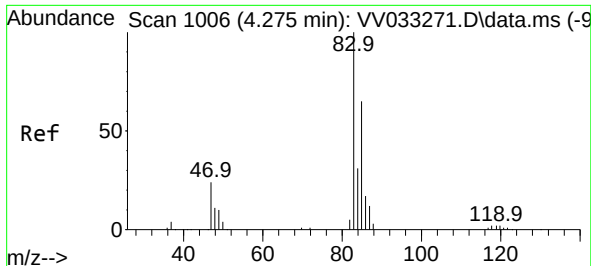
Tgt Ion: 96 Resp: 59366
Ion Ratio Lower Upper
96 100
61 106.9 69.9 129.9
98 60.1 42.4 78.8



#23
Bromochloromethane
Concen: 4.964 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.010 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

Tgt Ion: 128 Resp: 24923
Ion Ratio Lower Upper
128 100
49 94.6 65.8 122.2
130 128.8 91.1 169.3
51 33.9 26.2 39.4





#25

Chloroform

Concen: 4.873 ug/L

RT: 4.272 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

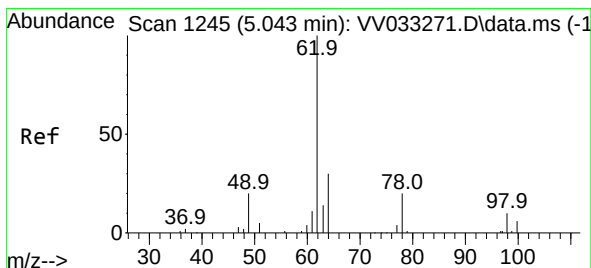
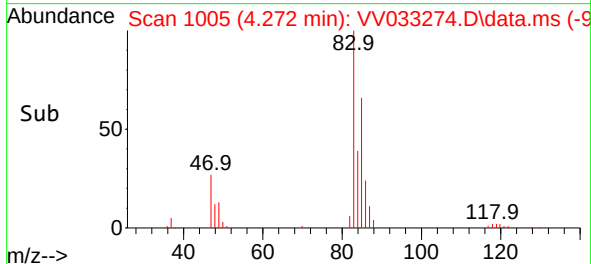
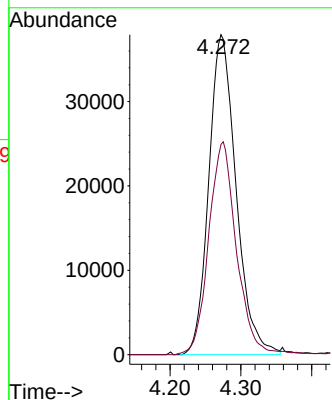
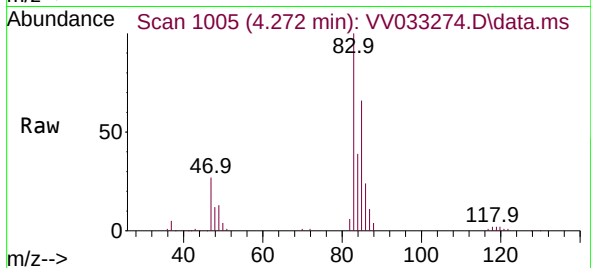
VICV221

Tgt Ion: 83 Resp: 101469

Ion Ratio Lower Upper

83 100

85 65.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 4.986 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.003 min

Lab File: VV033274.D

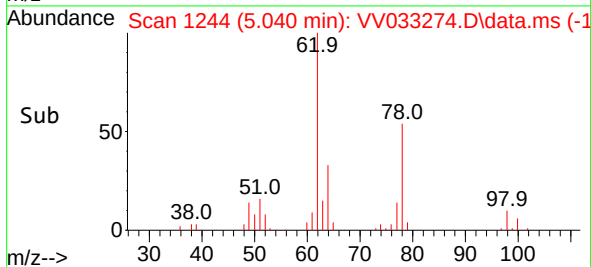
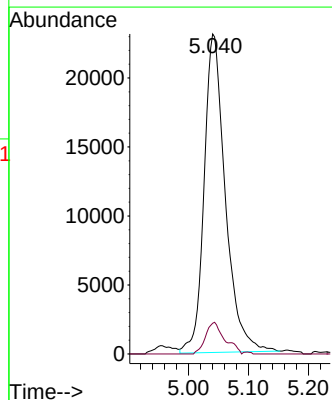
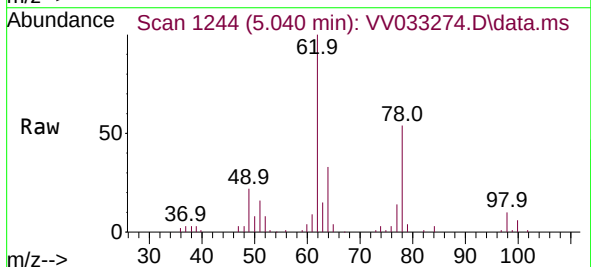
Acq: 13 Dec 2023 13:11

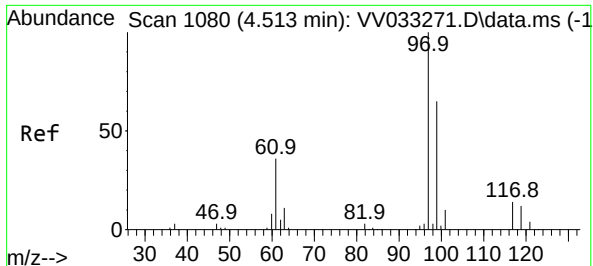
Tgt Ion: 62 Resp: 56977

Ion Ratio Lower Upper

62 100

98 9.6 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.893 ug/L

RT: 4.507 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV221

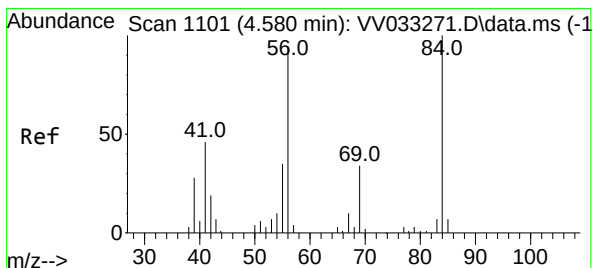
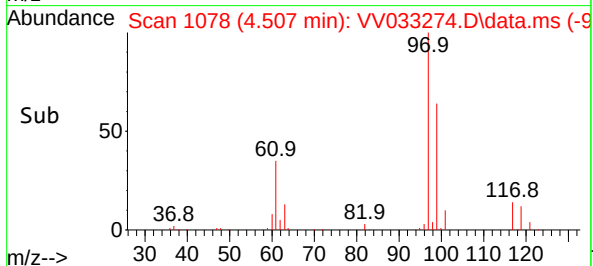
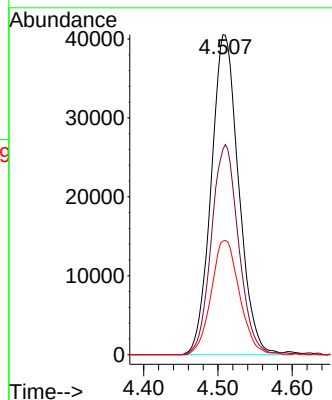
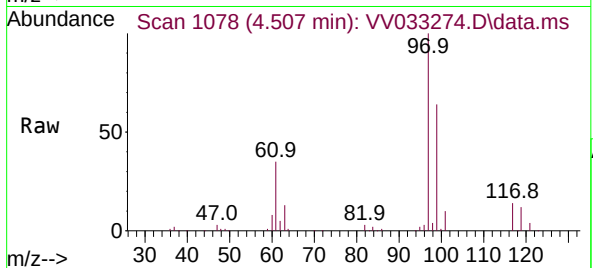
Tgt Ion: 97 Resp: 104290

Ion Ratio Lower Upper

97 100

99 64.9 52.8 79.2

61 36.7 30.3 45.5



#30

Cyclohexane

Concen: 5.102 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

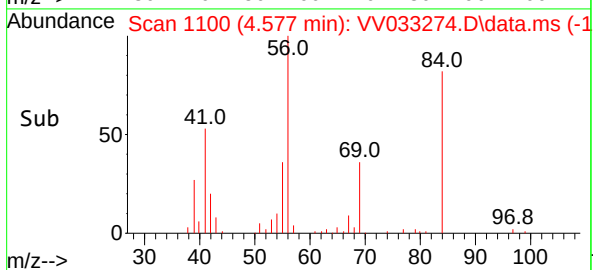
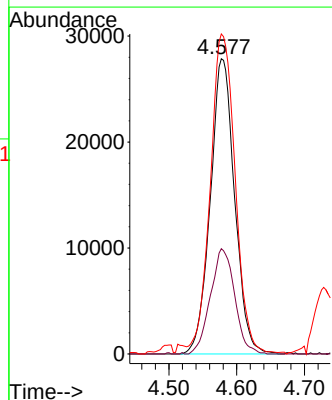
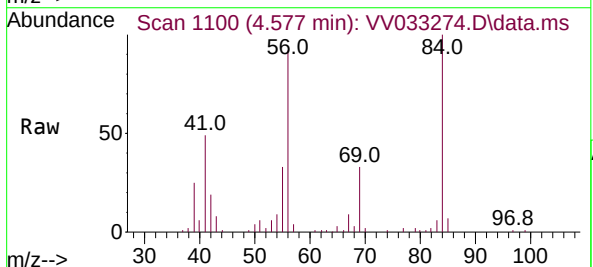
Tgt Ion: 56 Resp: 69397

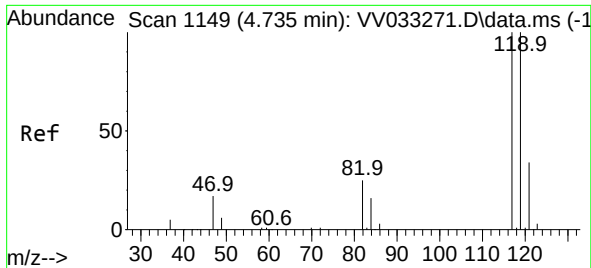
Ion Ratio Lower Upper

56 100

69 35.6 28.8 43.2

84 109.5 86.2 129.4

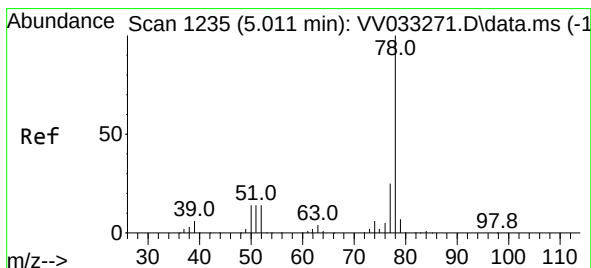
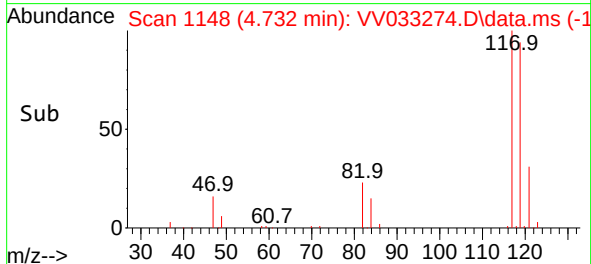
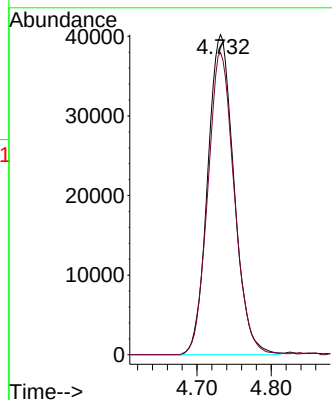
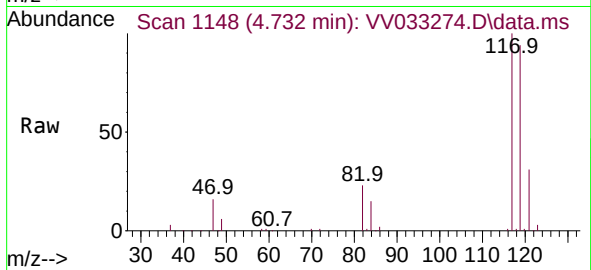




#31
Carbon tetrachloride
Concen: 4.979 ug/L
RT: 4.732 min Scan# 1148
Delta R.T. -0.003 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

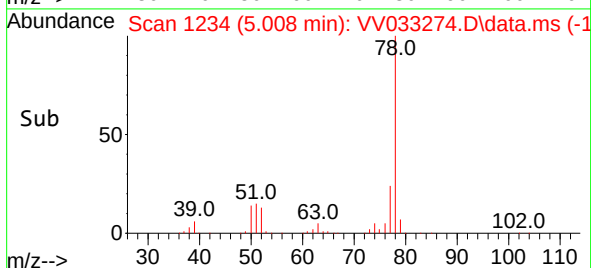
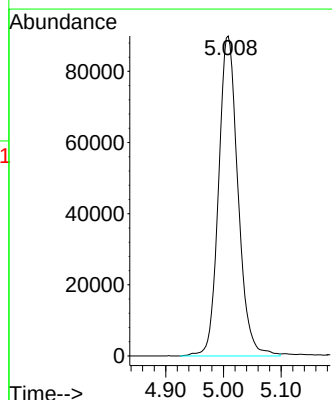
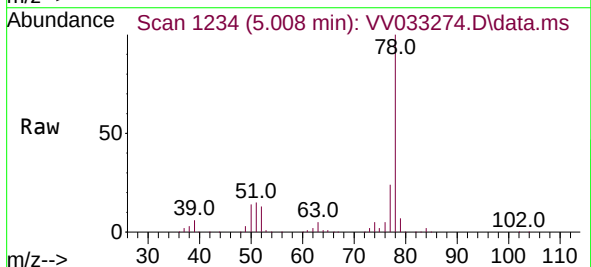
Instrument :
MSVOA_V
ClientSampleId :
VICV221

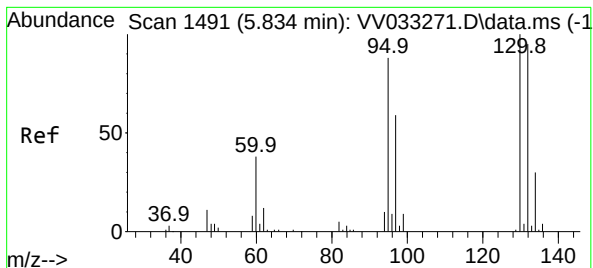
Tgt Ion:117 Resp: 99144
Ion Ratio Lower Upper
117 100
119 94.9 77.8 116.8



#33
Benzene
Concen: 5.097 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

Tgt Ion: 78 Resp: 209951





#34

Trichloroethene

Concen: 5.052 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV221

Tgt Ion: 95 Resp: 60677

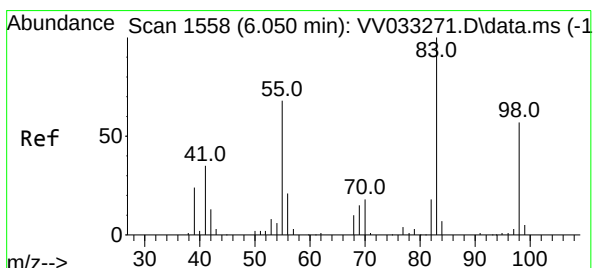
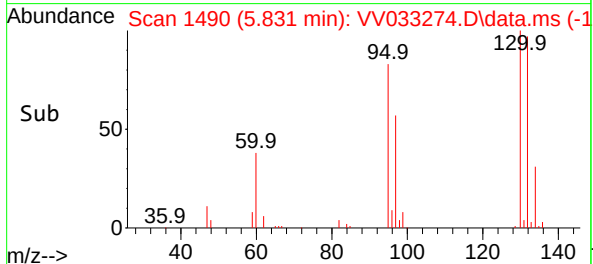
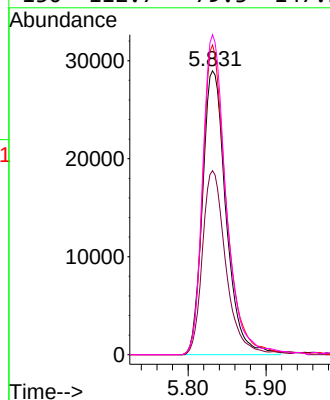
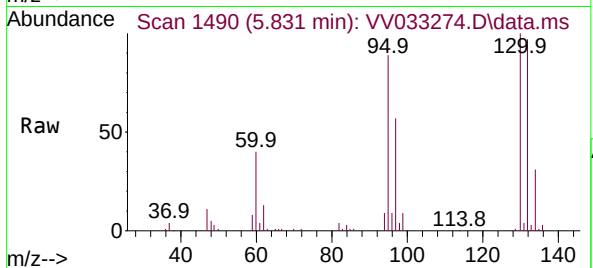
Ion Ratio Lower Upper

95 100

97 64.8 46.5 86.5

132 109.1 75.1 139.5

130 112.7 79.3 147.3



#35

Methylcyclohexane

Concen: 4.977 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

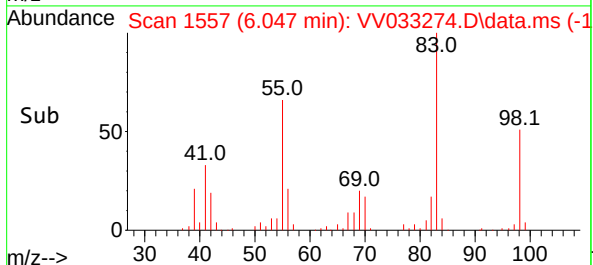
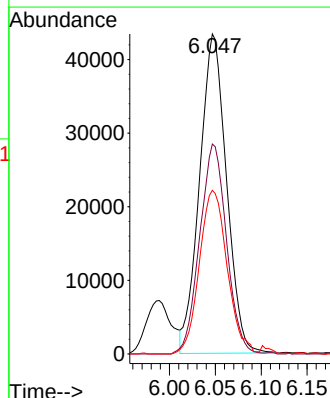
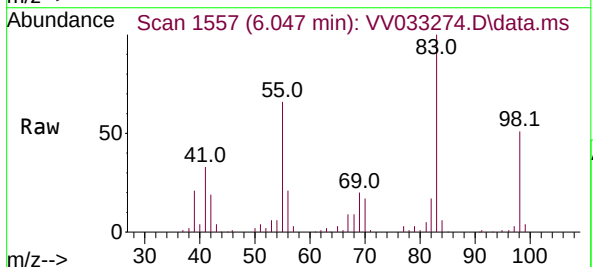
Tgt Ion: 83 Resp: 88524

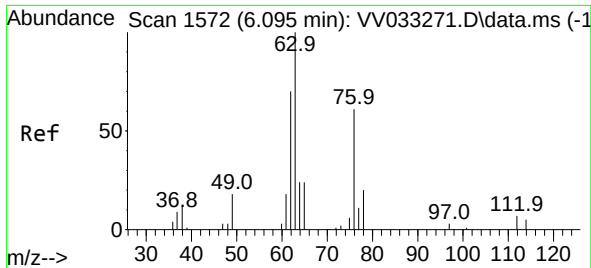
Ion Ratio Lower Upper

83 100

55 65.5 50.7 76.1

98 52.9 42.4 63.6





#37

1,2-Dichloropropane

Concen: 5.012 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

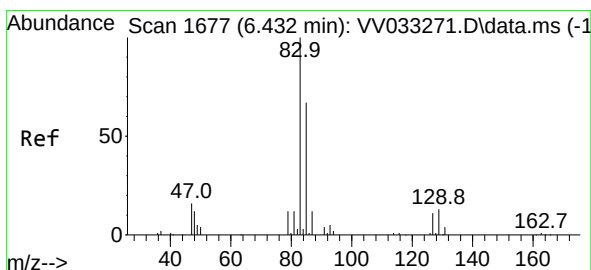
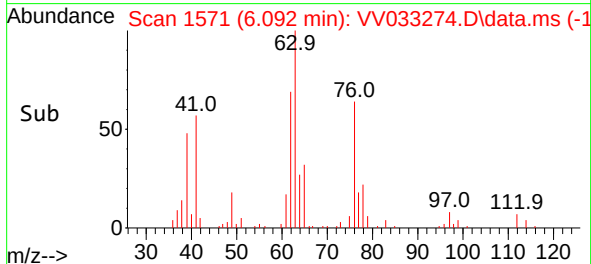
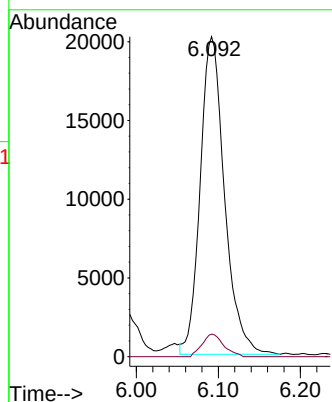
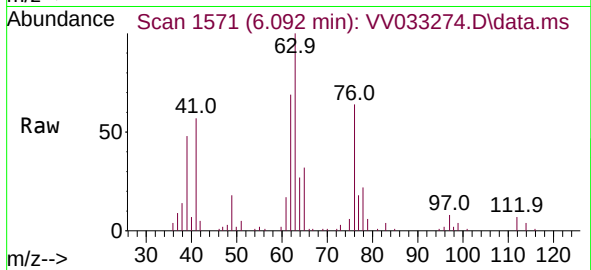
VICV221

Tgt Ion: 63 Resp: 41525

Ion Ratio Lower Upper

63 100

112 6.3 5.0 7.6



#38

Bromodichloromethane

Concen: 5.119 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

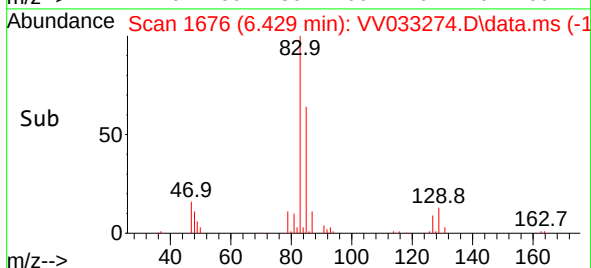
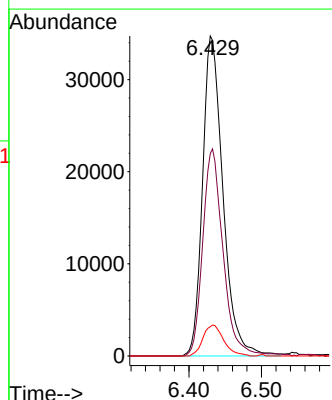
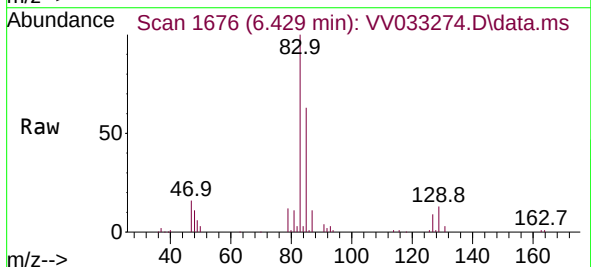
Tgt Ion: 83 Resp: 68065

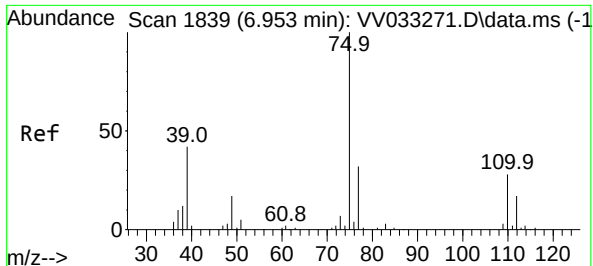
Ion Ratio Lower Upper

83 100

85 63.3 46.6 86.6

127 9.1 8.6 13.0





#39

cis-1,3-Dichloropropene

Concen: 5.290 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

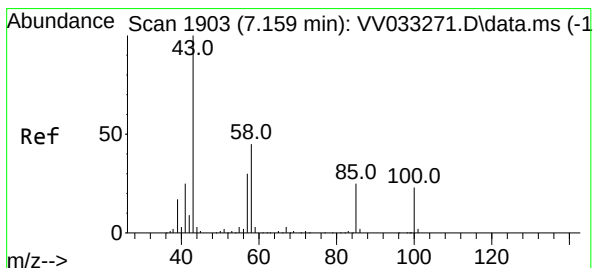
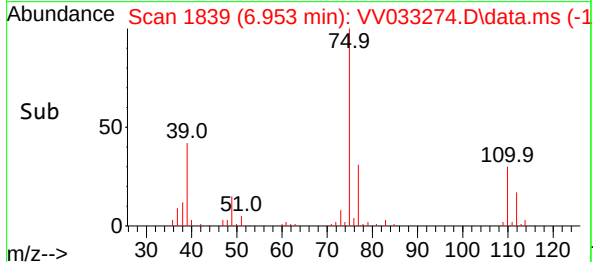
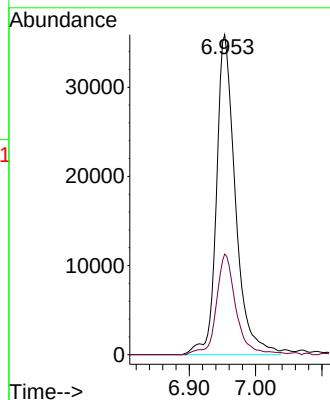
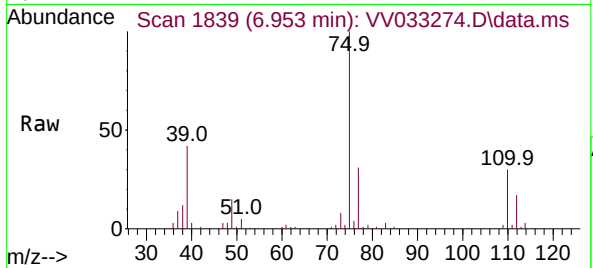
VICV221

Tgt Ion: 75 Resp: 71179

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 55.898 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

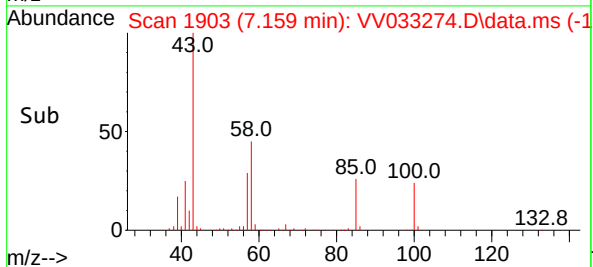
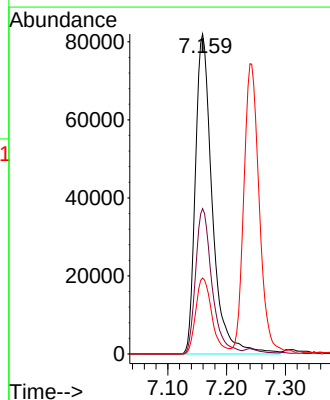
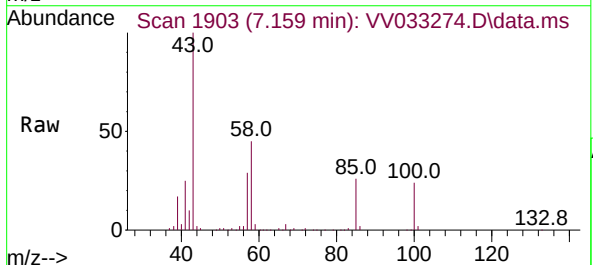
Tgt Ion: 43 Resp: 163873

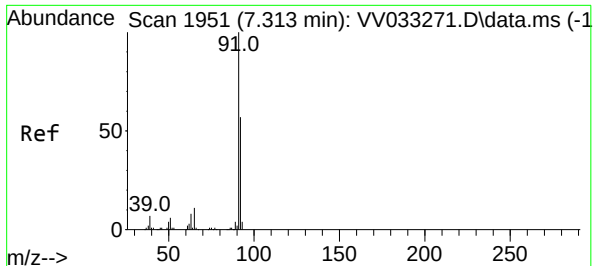
Ion Ratio Lower Upper

43 100

58 44.1 36.2 54.2

100 22.8 18.8 28.2

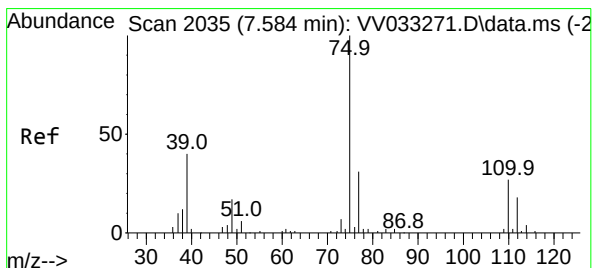
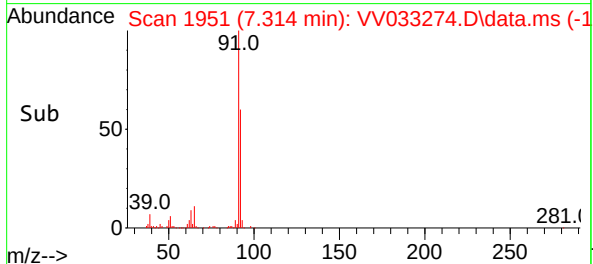
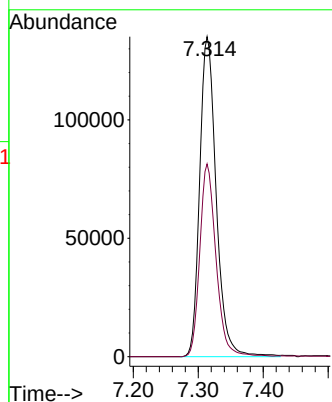
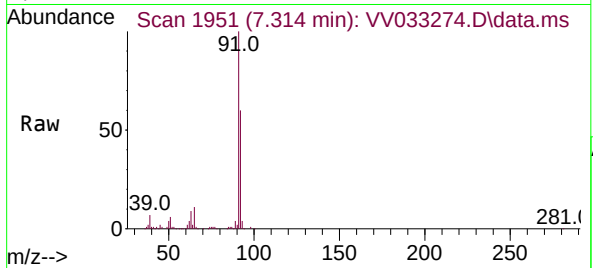




#42
Toluene
Concen: 5.081 ug/L
RT: 7.314 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

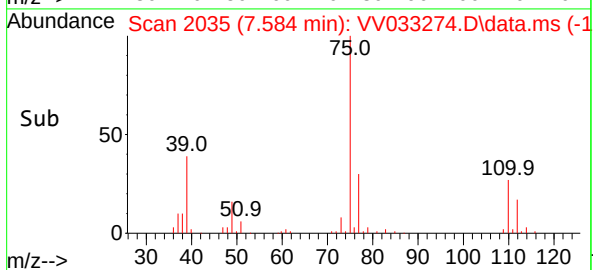
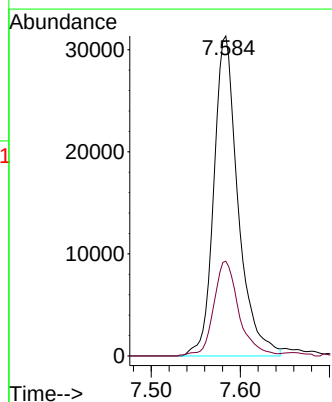
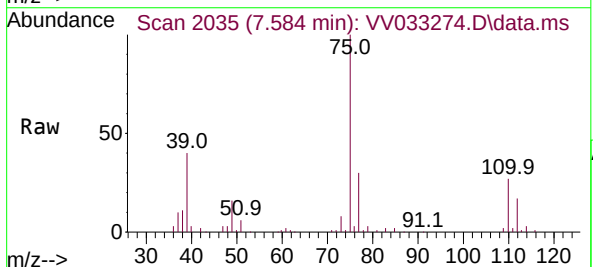
Instrument :
MSVOA_V
ClientSampleId :
VICV221

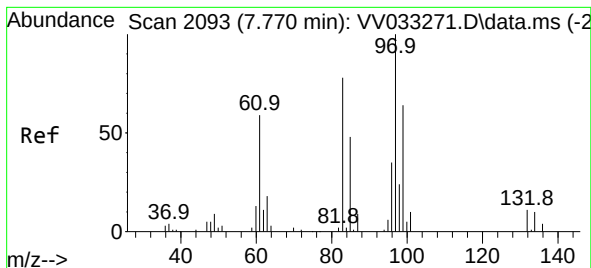
Tgt Ion: 91 Resp: 239749
Ion Ratio Lower Upper
91 100
92 60.3 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 5.297 ug/L
RT: 7.584 min Scan# 2035
Delta R.T. 0.000 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

Tgt Ion: 75 Resp: 59406
Ion Ratio Lower Upper
75 100
77 29.6 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 5.257 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV221

Tgt Ion: 97 Resp: 33544

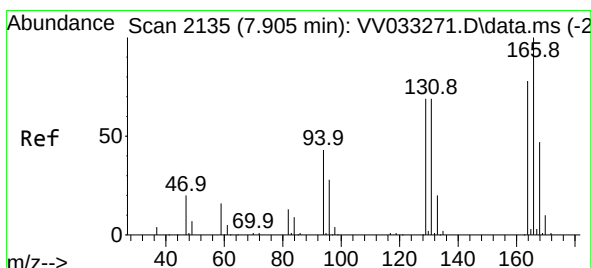
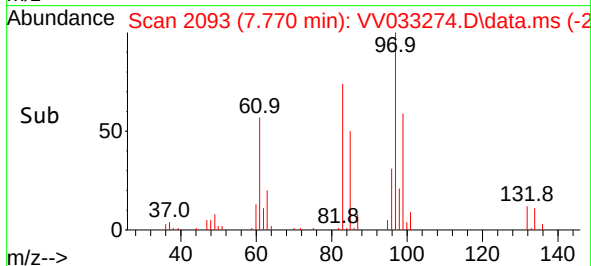
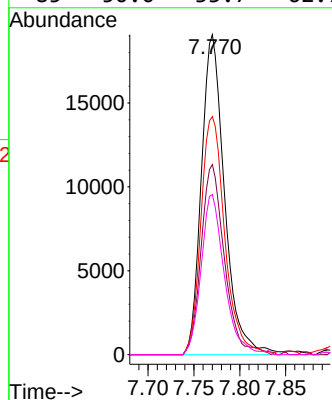
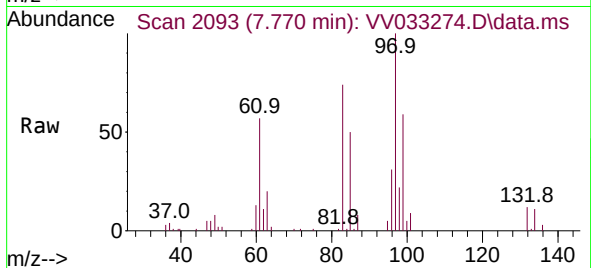
Ion Ratio Lower Upper

97 100

99 59.4 44.5 82.7

83 74.4 54.7 101.5

85 50.0 33.7 62.7



#47

Tetrachloroethene

Concen: 4.887 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Tgt Ion: 164 Resp: 55565

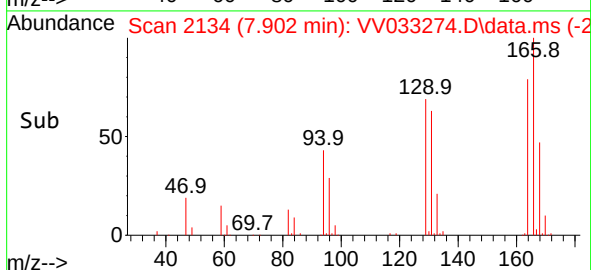
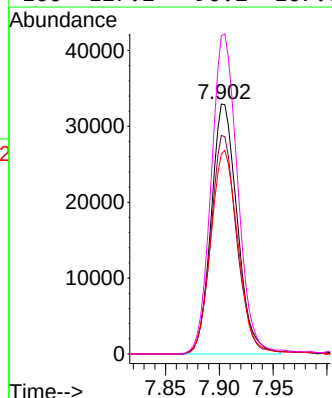
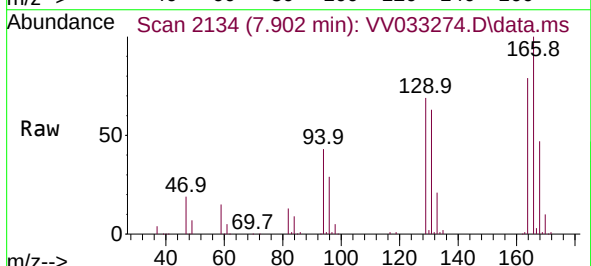
Ion Ratio Lower Upper

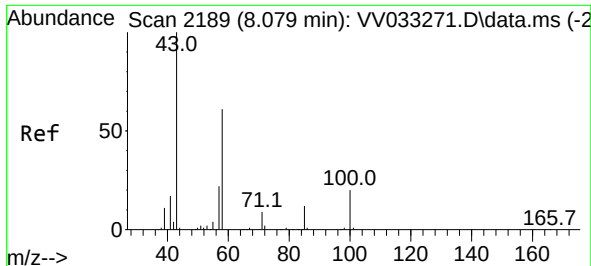
164 100

129 87.5 62.6 116.3

131 80.1 62.6 116.3

166 127.2 90.2 167.6



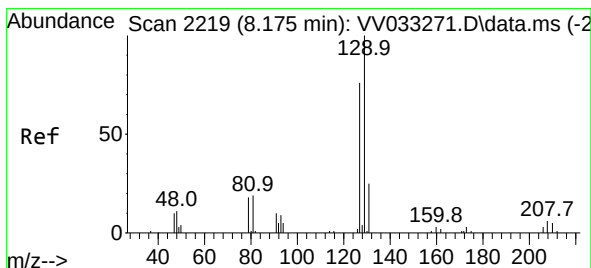
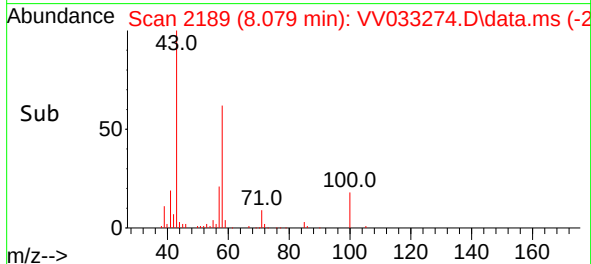
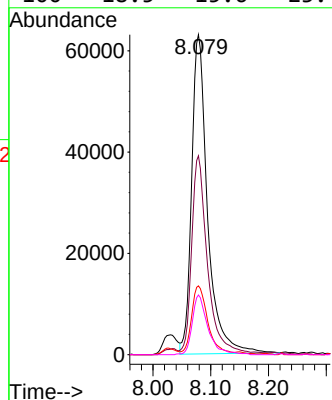
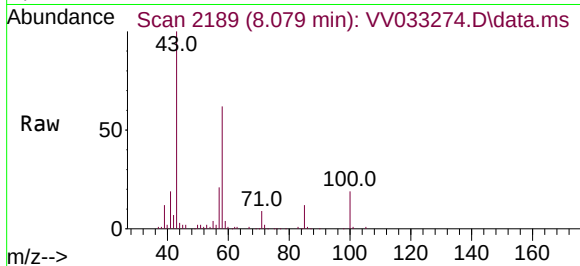


#48
2-Hexanone
Concen: 57.212 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

Instrument :
MSVOA_V
ClientSampleId :
VICV221

Tgt Ion: 43 Resp: 120885

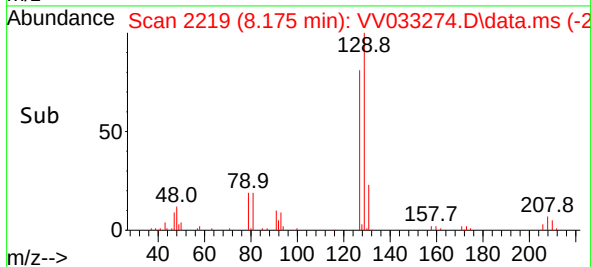
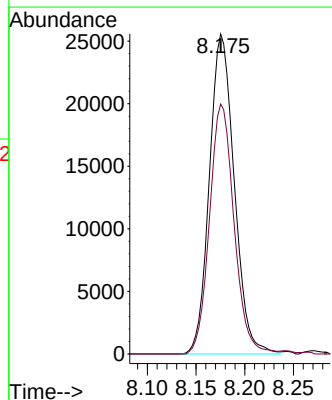
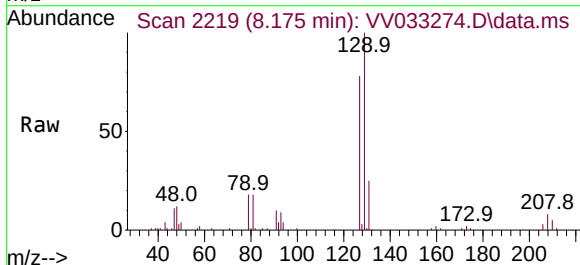
Ion	Ratio	Lower	Upper
43	100		
58	60.3	48.6	72.8
57	21.8	18.1	27.1
100	18.5	15.6	23.4

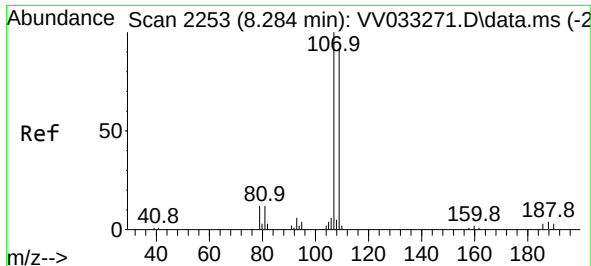


#49
Dibromochloromethane
Concen: 5.067 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

Tgt Ion: 129 Resp: 45351

Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.130 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV221

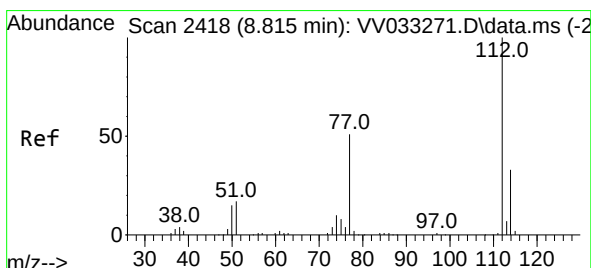
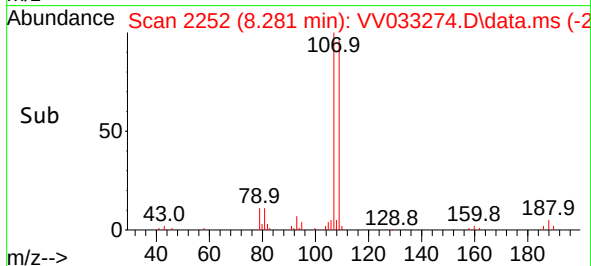
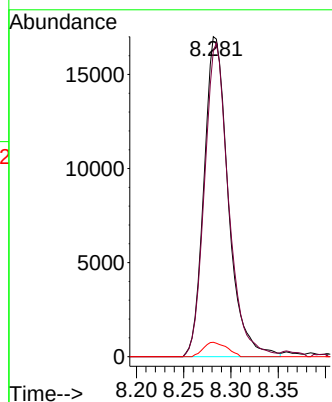
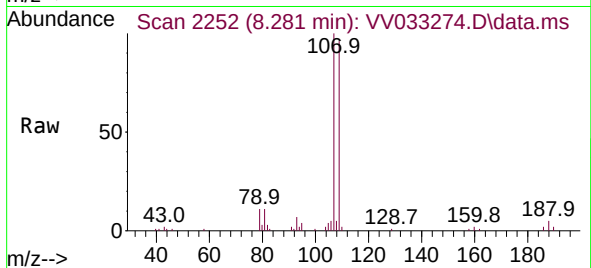
Tgt Ion:107 Resp: 30393

Ion Ratio Lower Upper

107 100

109 95.5 64.2 119.2

188 4.5 3.4 5.2



#51

Chlorobenzene

Concen: 4.906 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

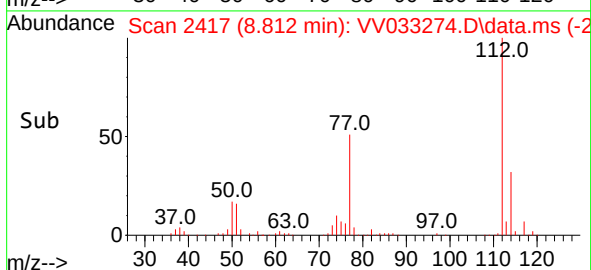
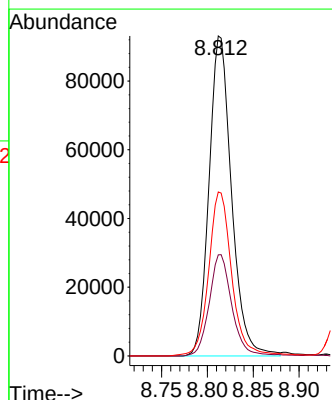
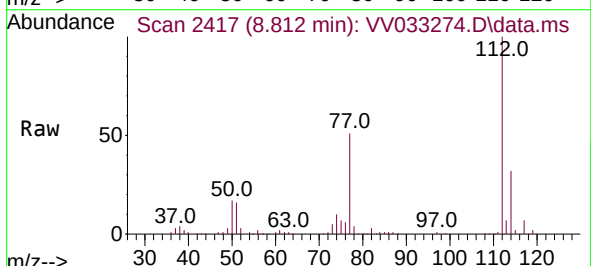
Tgt Ion:112 Resp: 158538

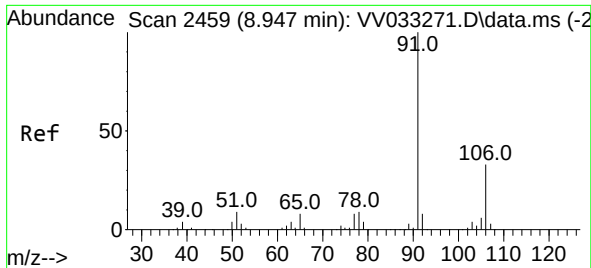
Ion Ratio Lower Upper

112 100

114 31.6 22.8 42.4

77 51.3 41.3 61.9

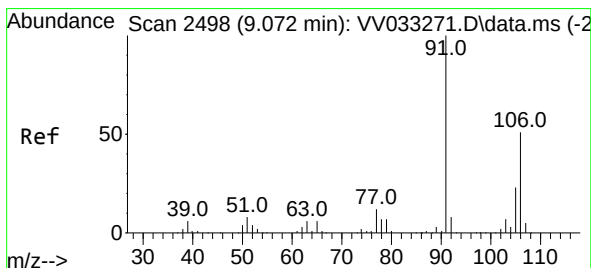
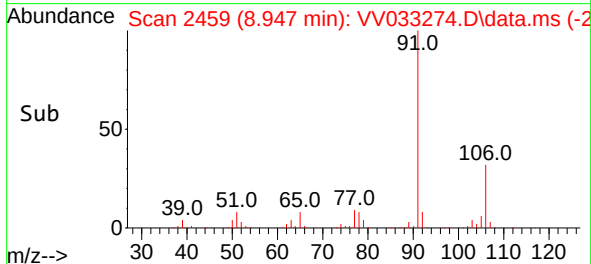
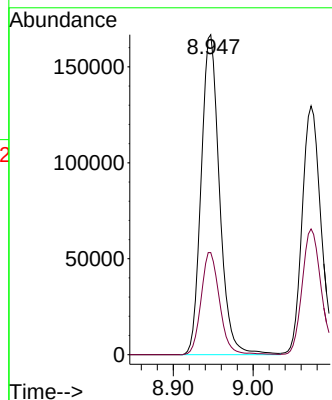
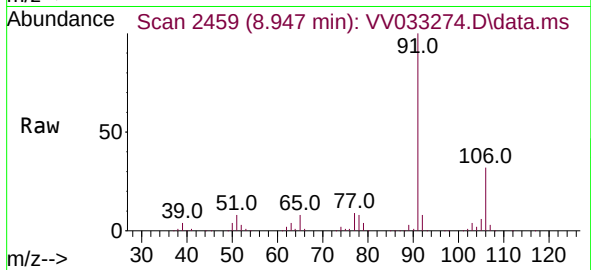




#52
Ethylbenzene
Concen: 5.040 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

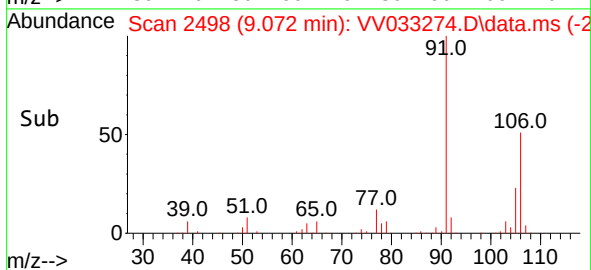
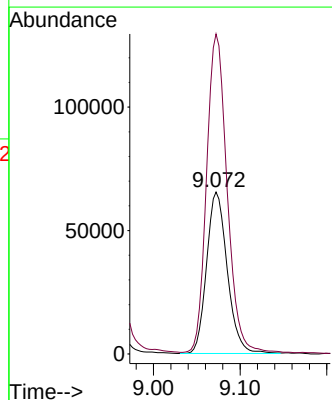
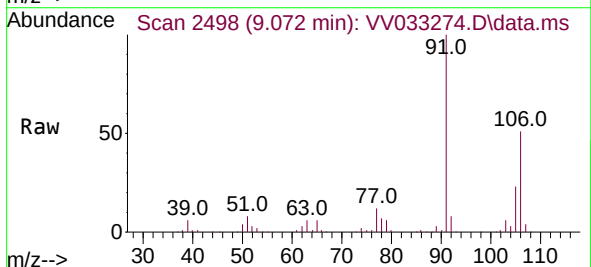
Instrument :
MSVOA_V
ClientSampleId :
VICV221

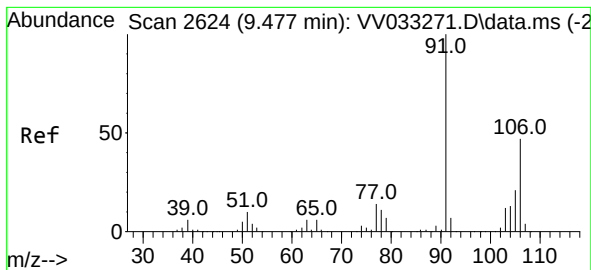
Tgt Ion: 91 Resp: 266419
Ion Ratio Lower Upper
91 100
106 31.9 22.7 42.3



#53
m,p-Xylene
Concen: 4.996 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

Tgt Ion: 106 Resp: 108681
Ion Ratio Lower Upper
106 100
91 197.7 136.8 254.0





#54

o-Xylene

Concen: 5.011 ug/L

RT: 9.477 min Scan# 2624

Delta R.T. 0.000 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

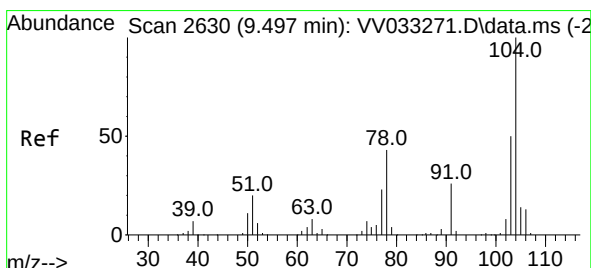
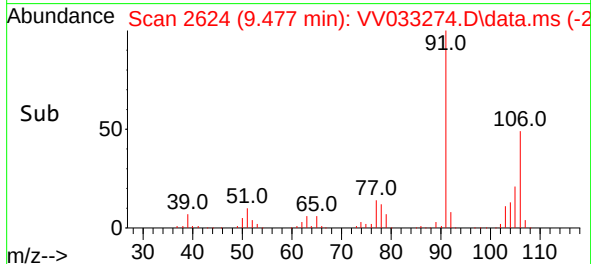
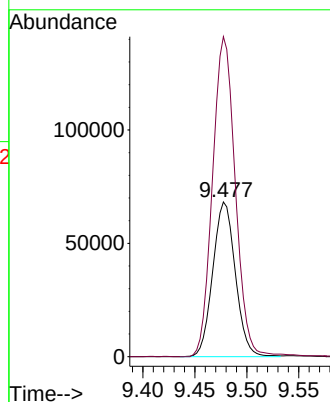
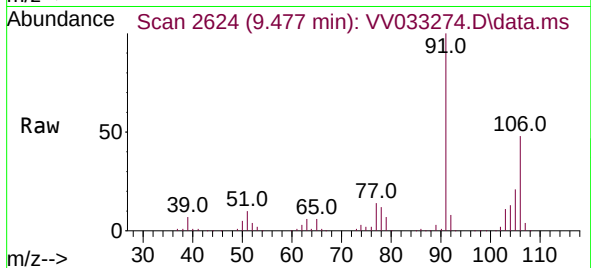
VICV221

Tgt Ion:106 Resp: 103252

Ion Ratio Lower Upper

106 100

91 206.9 149.9 278.5



#55

Styrene

Concen: 5.109 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.000 min

Lab File: VV033274.D

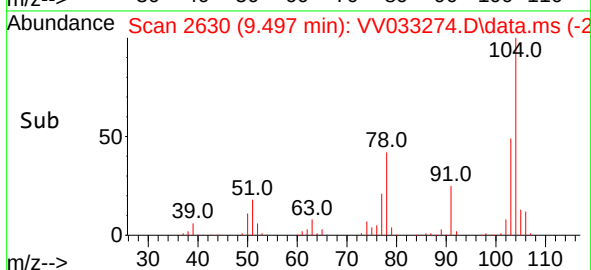
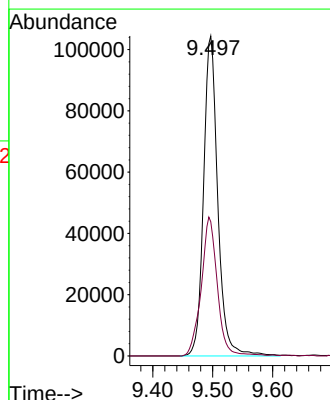
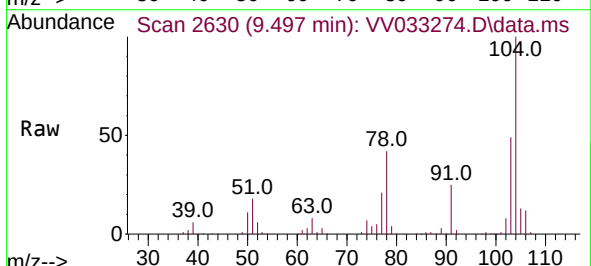
Acq: 13 Dec 2023 13:11

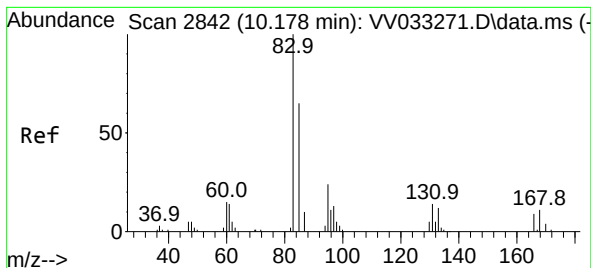
Tgt Ion:104 Resp: 172704

Ion Ratio Lower Upper

104 100

78 42.0 29.9 55.5

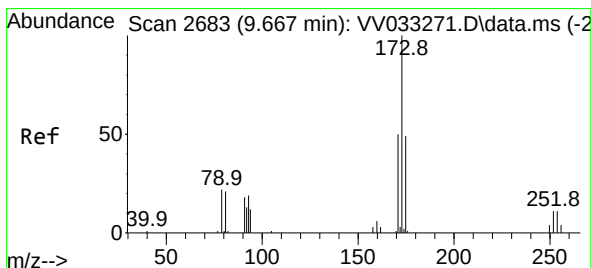
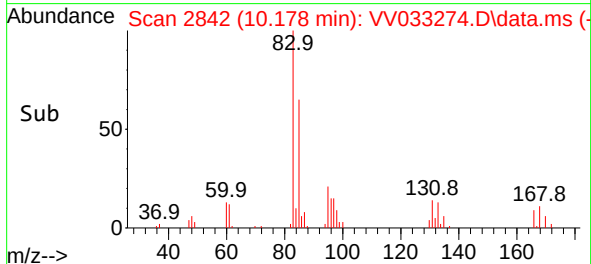
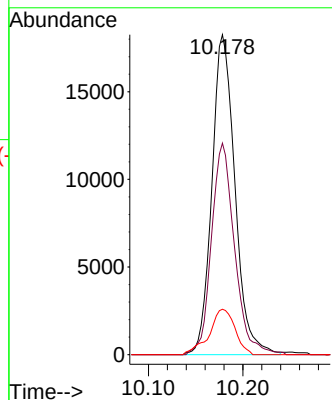
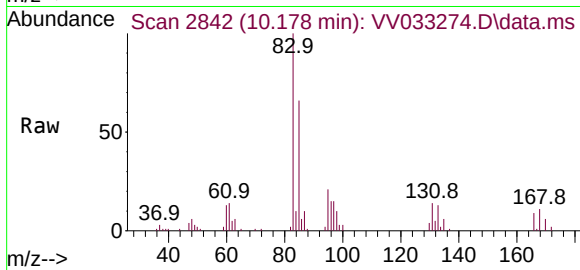




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.975 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: VV033274.D
 Acq: 13 Dec 2023 13:11

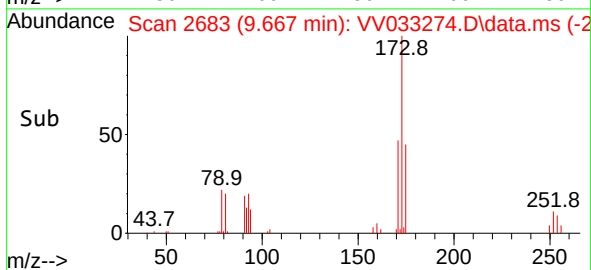
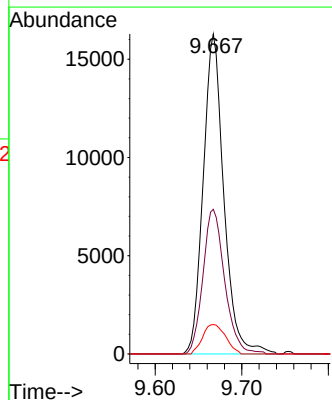
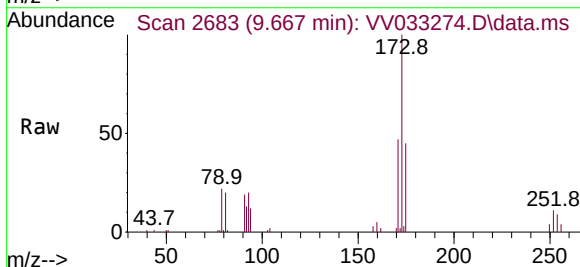
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV221

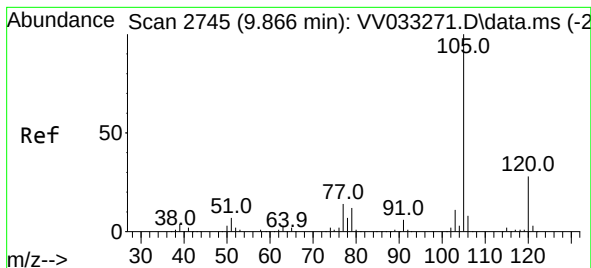
Tgt Ion: 83 Resp: 30933
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.4 84.4
 131 14.2 11.5 17.3



#59
 Bromoform
 Concen: 5.363 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. 0.000 min
 Lab File: VV033274.D
 Acq: 13 Dec 2023 13:11

Tgt Ion: 173 Resp: 26904
 Ion Ratio Lower Upper
 173 100
 175 47.6 37.0 55.4
 254 10.2 8.5 12.7





#60

Isopropylbenzene

Concen: 5.296 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV221

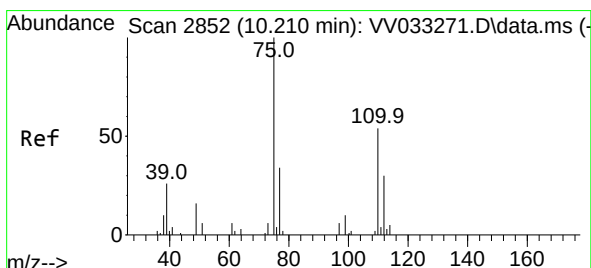
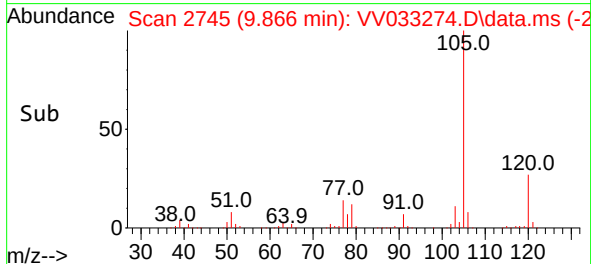
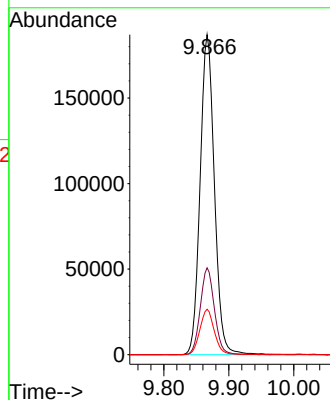
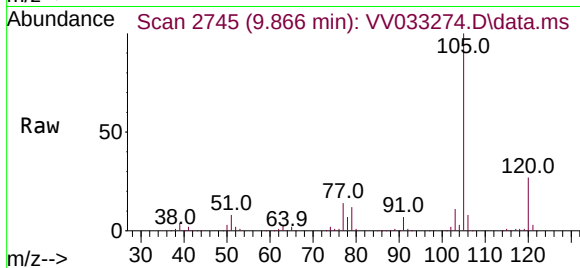
Tgt Ion:105 Resp: 286513

Ion Ratio Lower Upper

105 100

120 26.8 22.2 33.4

77 14.4 11.6 17.4



#61

1,2,3-Trichloropropane

Concen: 5.452 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. 0.000 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

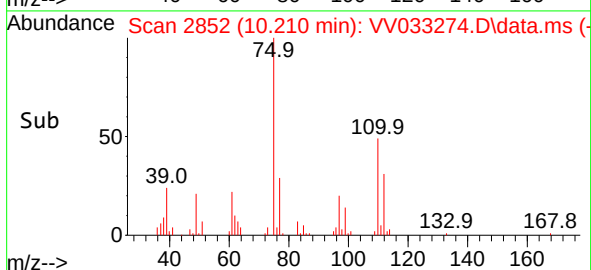
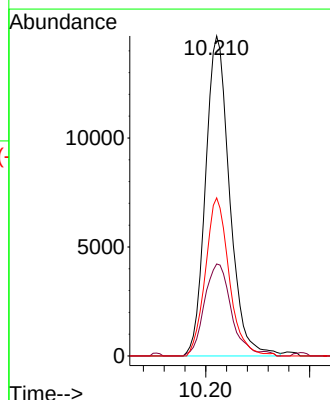
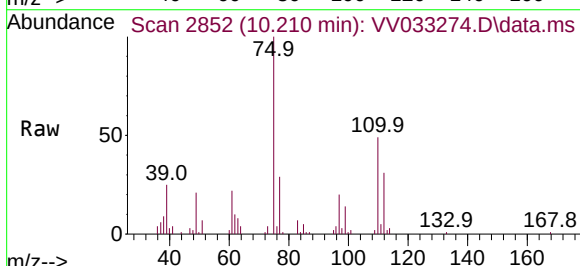
Tgt Ion: 75 Resp: 23598

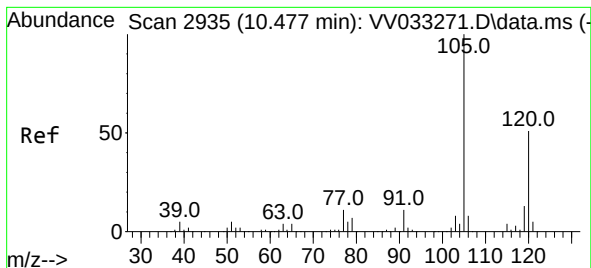
Ion Ratio Lower Upper

75 100

77 31.9 27.4 41.2

110 48.8 39.4 59.2





#62

1,3,5-Trimethylbenzene

Concen: 5.273 ug/L

RT: 10.474 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

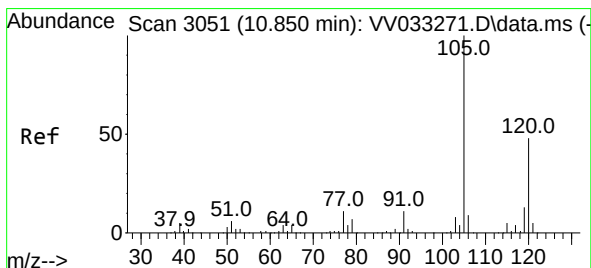
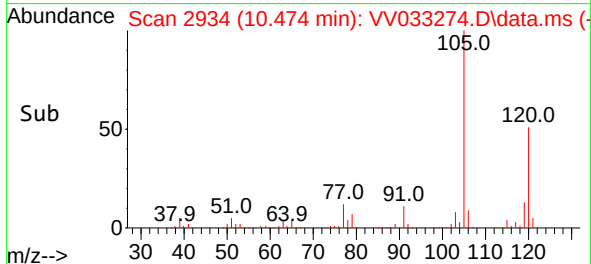
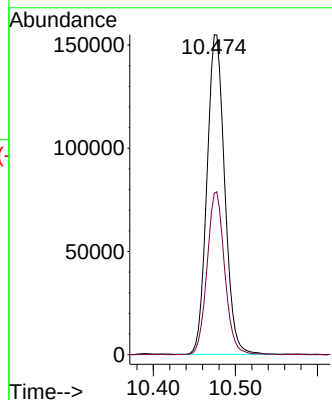
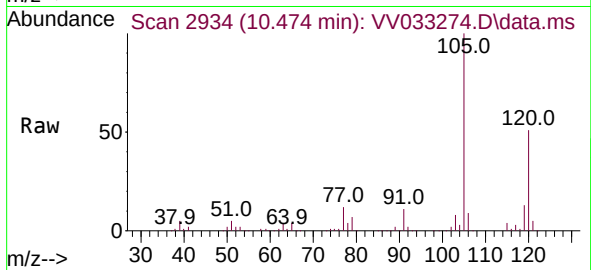
VICV221

Tgt Ion:105 Resp: 233319

Ion Ratio Lower Upper

105 100

120 50.7 41.7 62.5



#63

1,2,4-Trimethylbenzene

Concen: 5.294 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033274.D

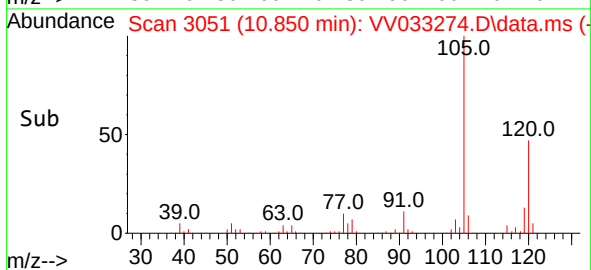
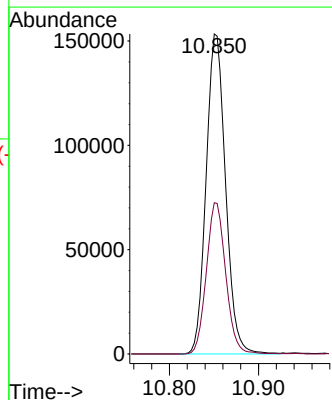
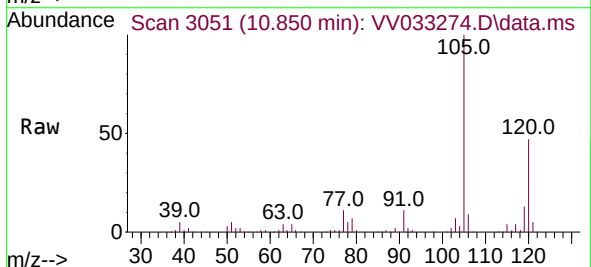
Acq: 13 Dec 2023 13:11

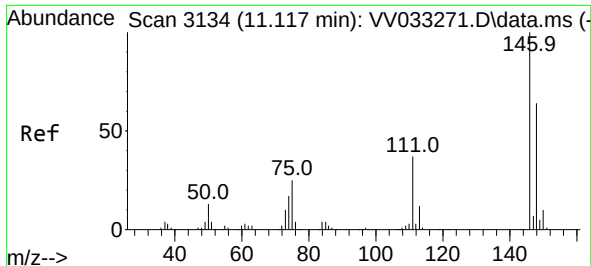
Tgt Ion:105 Resp: 231692

Ion Ratio Lower Upper

105 100

120 47.1 38.1 57.1

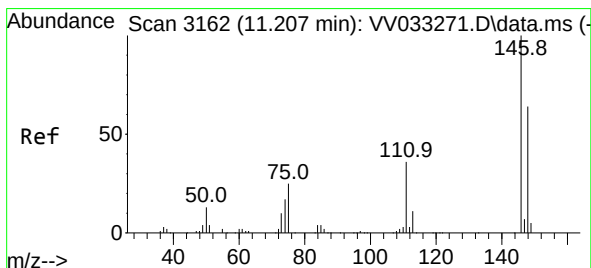
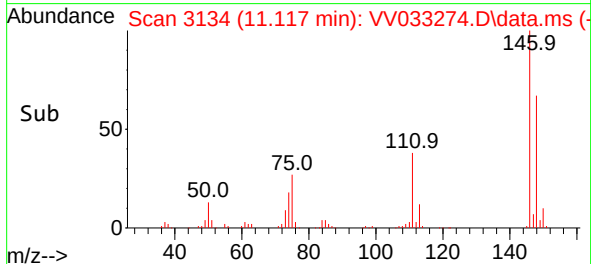
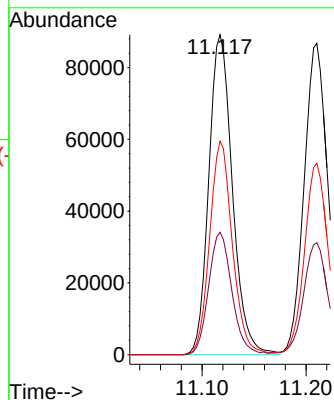
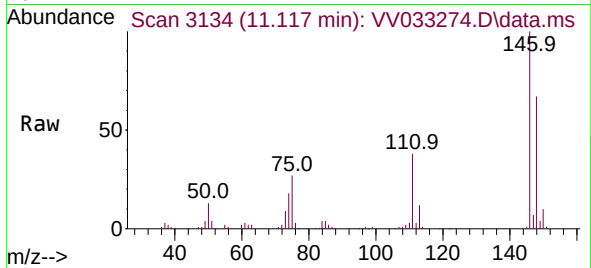




#64
1,3-Dichlorobenzene
Concen: 5.107 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

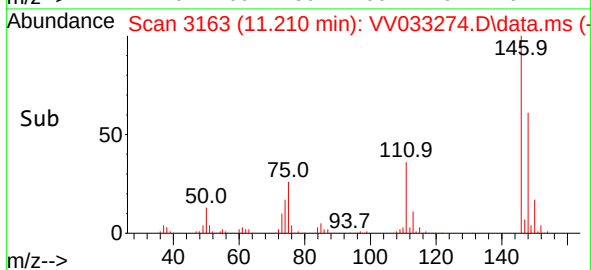
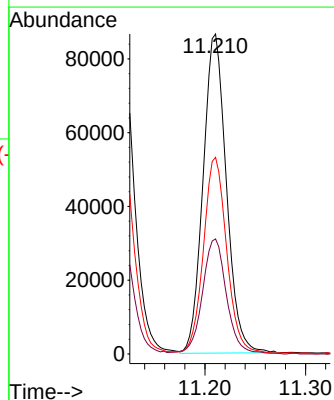
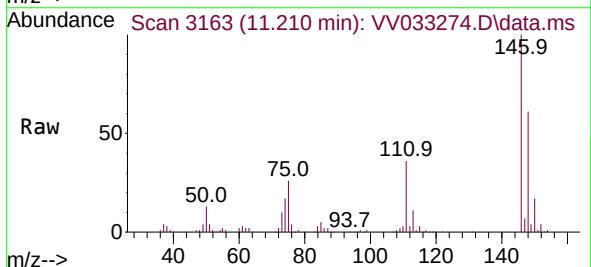
Instrument :
MSVOA_V
ClientSampleId :
VICV221

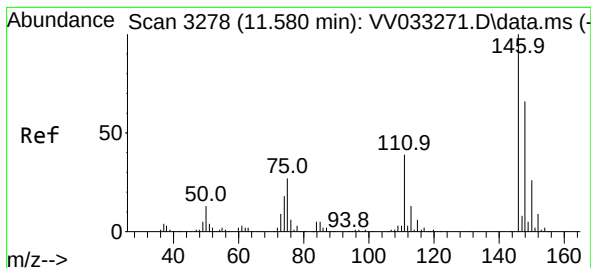
Tgt Ion:146 Resp: 140612
Ion Ratio Lower Upper
146 100
111 38.3 26.0 48.2
148 66.7 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.083 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

Tgt Ion:146 Resp: 139234
Ion Ratio Lower Upper
146 100
111 36.0 25.6 47.4
148 61.5 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.188 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV221

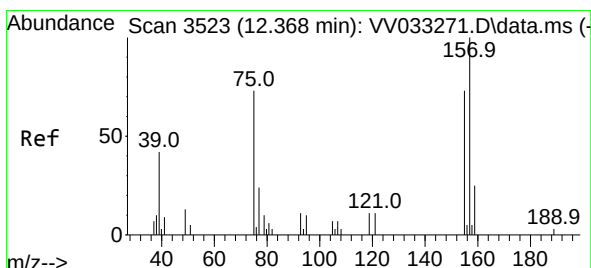
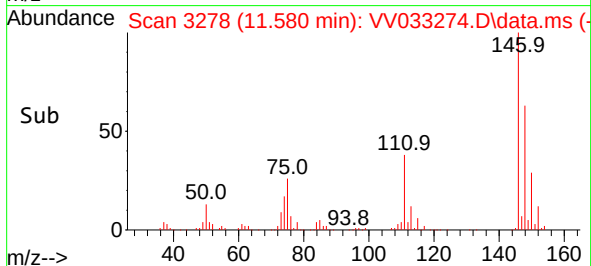
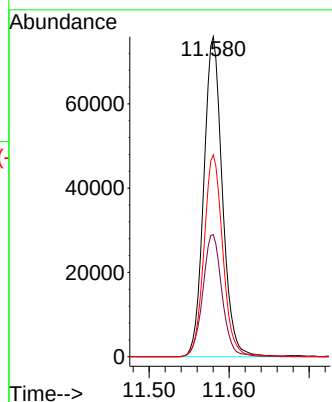
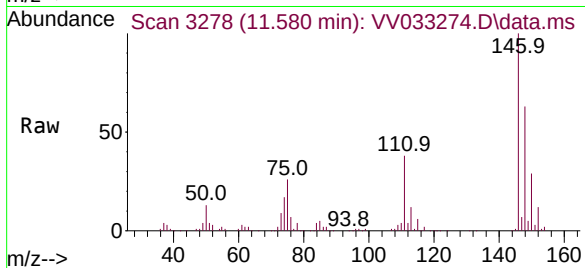
Tgt Ion:146 Resp: 122804

Ion Ratio Lower Upper

146 100

111 38.2 31.0 46.4

148 63.1 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.185 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

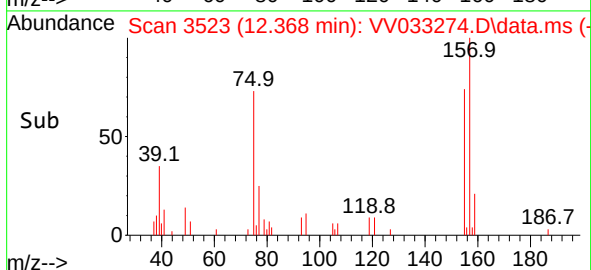
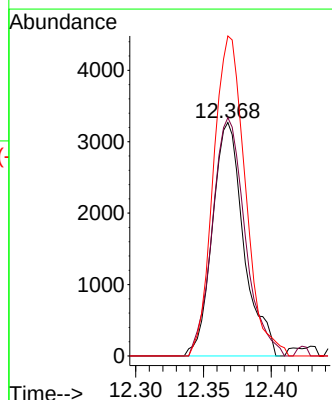
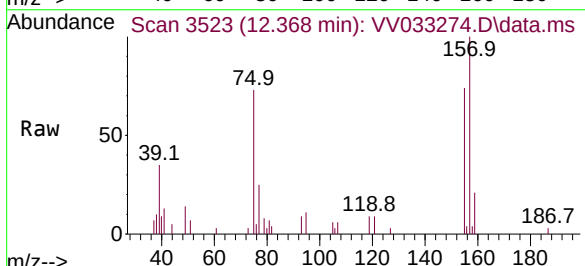
Tgt Ion: 75 Resp: 5249

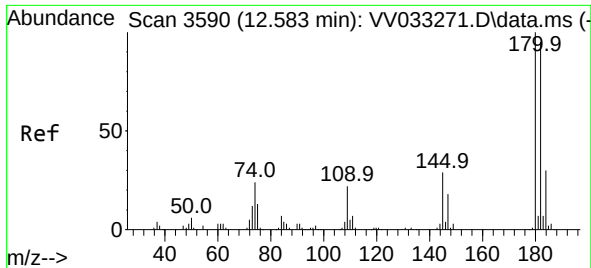
Ion Ratio Lower Upper

75 100

155 102.1 79.8 119.8

157 137.1 110.2 165.2

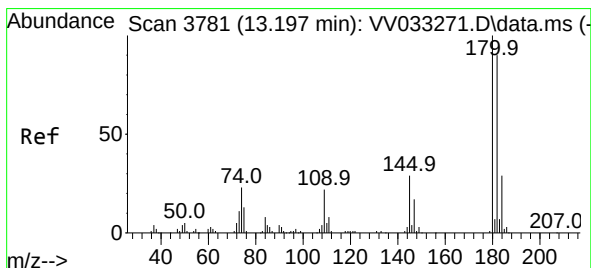
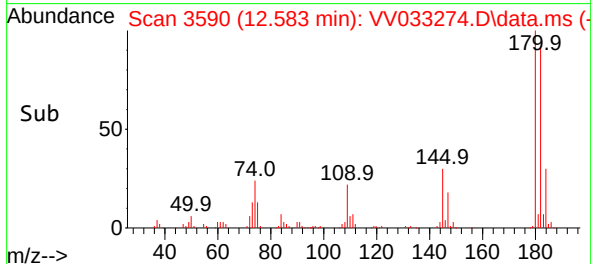
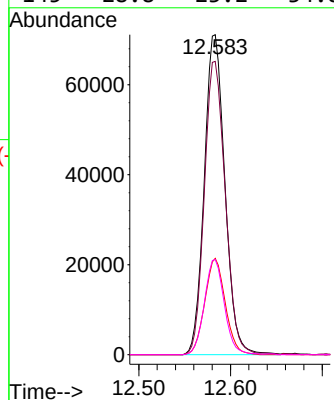
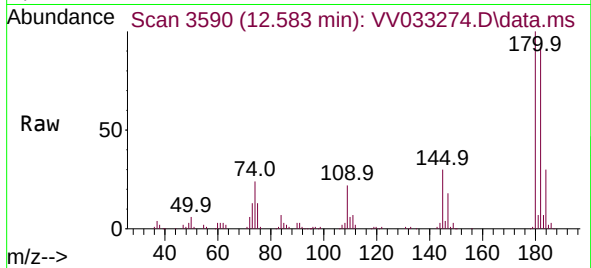




#69
1,3,5-Trichlorobenzene
Concen: 5.067 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.000 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

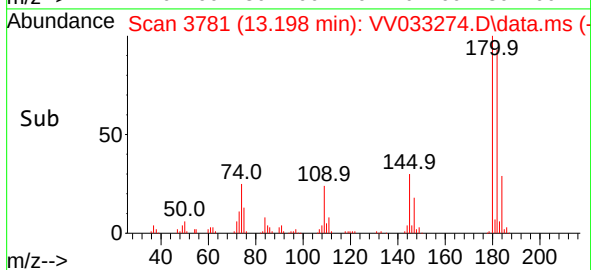
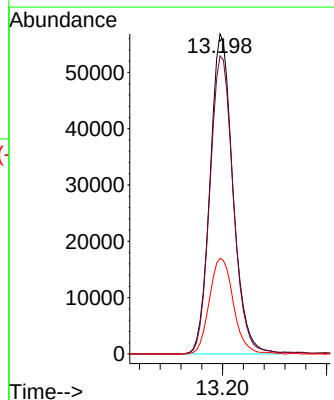
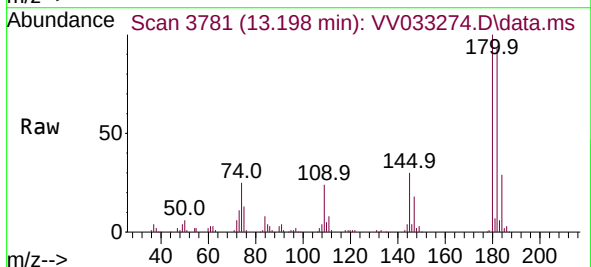
Instrument :
MSVOA_V
ClientSampleId :
VICV221

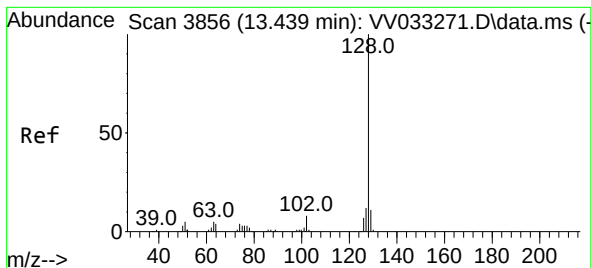
Tgt Ion:180	Resp:	111366
Ion Ratio	Lower	Upper
180	100	
182	92.6	76.1 114.1
184	29.8	24.5 36.7
145	28.8	23.2 34.8



#70
1,2,4-trichlorobenzene
Concen: 5.128 ug/L
RT: 13.198 min Scan# 3781
Delta R.T. 0.000 min
Lab File: VV033274.D
Acq: 13 Dec 2023 13:11

Tgt Ion:180	Resp:	86829
Ion Ratio	Lower	Upper
180	100	
182	95.3	74.2 111.4
145	31.4	22.6 34.0





#71

Naphthalene

Concen: 6.314 ug/L

RT: 13.442 min Scan# 3856

Delta R.T. 0.003 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV221

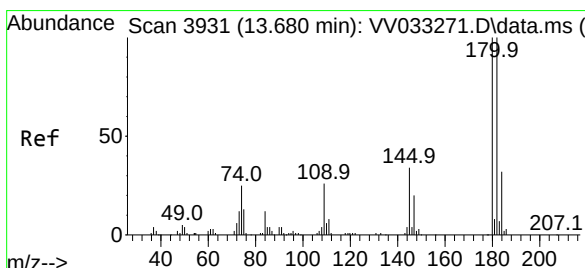
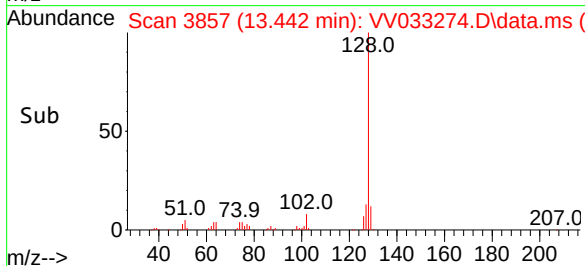
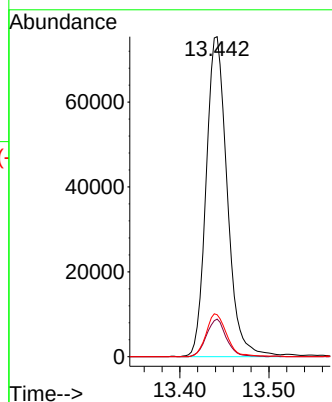
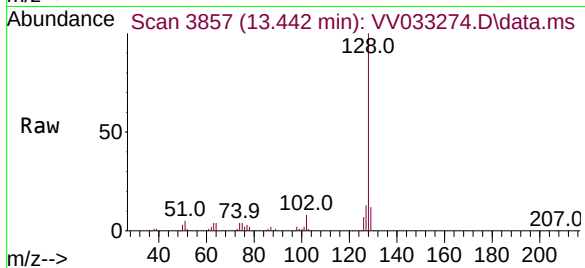
Tgt Ion:128 Resp: 123847

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.1 10.1 15.1



#72

1,2,3-Trichlorobenzene

Concen: 5.461 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033274.D

Acq: 13 Dec 2023 13:11

Tgt Ion:180 Resp: 74219

Ion Ratio Lower Upper

180 100

182 98.2 78.8 118.2

145 30.1 26.6 40.0

