

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012524\
 Data File : VW033862.D
 Acq On : 25 Jan 2024 10:45
 Operator : SY/MD
 Sample : VSTD020
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 25 20:56:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 25 20:53:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	95946	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	88381	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	44726	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	160280	27.663	ug/L	0.00
7) Chloroethane-d5	1.532	69	142079	27.627	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	76241	28.800	ug/L	0.00
20) 2-Butanone-d5	3.809	46	301534	229.075	ug/L	-0.02
24) Chloroform-d	4.249	84	297381	24.648	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	139832	25.476	ug/L	0.00
32) Benzene-d6	4.960	84	573495	25.097	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	163737	22.245	ug/L	0.00
41) Toluene-d8	7.243	98	527935	25.666	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	63642	24.472	ug/L	0.00
46) 2-Hexanone-d5	8.024	63	235377	233.859	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	96376	22.197	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	176591	24.240	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	179094	20.459	ug/L	99
3) Chloromethane	1.214	50	185565	18.078	ug/L	98
5) Vinyl chloride	1.282	62	190456	19.271	ug/L	92
6) Bromomethane	1.491	94	103722	21.037	ug/L	99
8) Chloroethane	1.552	64	117282	19.446	ug/L	99
9) Trichlorofluoromethane	1.716	101	276981	22.402	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	144545	21.193	ug/L	100
12) 1,1-Dichloroethene	2.069	96	140689	20.644	ug/L	95
13) Acetone	2.150	43	181707	174.886	ug/L #	34
14) Carbon disulfide	2.240	76	448687	18.308	ug/L	100
15) Methyl Acetate	2.388	43	46620	19.395	ug/L	100
16) Methylene chloride	2.446	84	130110	16.745	ug/L	97
17) Methyl tert-butyl Ether	2.706	73	296181	19.481	ug/L	99
18) trans-1,2-Dichloroethene	2.693	96	137808	18.311	ug/L	95
19) 1,1-Dichloroethane	3.111	63	261431	17.679	ug/L	97
21) 2-Butanone	3.889	43	275867	192.466	ug/L #	51
22) cis-1,2-Dichloroethene	3.812	96	148946	18.765	ug/L	95
23) Bromochloromethane	4.150	128	58018	19.976	ug/L	94
25) Chloroform	4.275	83	260811	18.963	ug/L	95
27) 1,2-Dichloroethane	5.040	62	154413	19.529	ug/L	99
29) 1,1,1-Trichloroethane	4.513	97	246470	19.766	ug/L	99
30) Cyclohexane	4.584	56	231370	16.040	ug/L	99
31) Carbon tetrachloride	4.735	117	215883	20.149	ug/L	99
33) Benzene	5.008	78	542107	17.757	ug/L	100
34) Trichloroethene	5.831	95	149199	18.181	ug/L	98
35) Methylcyclohexane	6.050	83	240273	17.469	ug/L	99
37) 1,2-Dichloropropane	6.092	63	130470	17.144	ug/L	99
38) Bromodichloromethane	6.433	83	176237	18.836	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	213049	19.514	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	643763	182.008	ug/L	98
42) Toluene	7.313	91	583110	18.023	ug/L	97
44) trans-1,3-Dichloropropene	7.580	75	167127	18.977	ug/L	100

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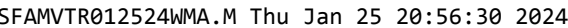
Quant Time: Jan 25 20:56:21 2024
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 25 20:53:39 2024
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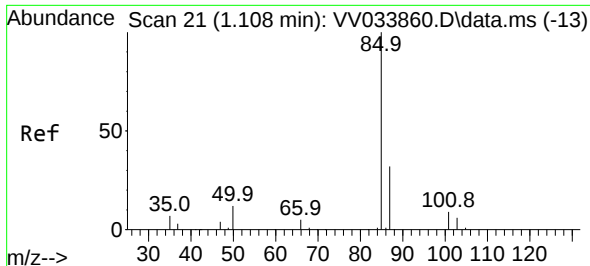
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.770	97	81009	18.907	ug/L	98
47) Tetrachloroethene	7.905	164	117185	19.556	ug/L	98
48) 2-Hexanone	8.076	43	459899	177.110	ug/L	100
49) Dibromochloromethane	8.175	129	99406	18.693	ug/L	99
50) 1,2-Dibromoethane	8.281	107	74924	18.922	ug/L	97
51) Chlorobenzene	8.812	112	367090	18.364	ug/L	100
52) Ethylbenzene	8.944	91	671063	17.870	ug/L	100
53) m,p-Xylene	9.072	106	251330	18.101	ug/L	99
54) o-Xylene	9.477	106	245508	18.217	ug/L	99
55) Styrene	9.493	104	405058	18.739	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	86634	18.380	ug/L	97
59) Bromoform	9.664	173	53646	20.056	ug/L	100
60) Isopropylbenzene	9.866	105	677010	19.207	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	62660	17.842	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	575561	19.084	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	568211	18.783	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	298049	19.251	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	290265	19.062	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	255609	18.890	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.365	75	15933	20.655	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	240793	19.920	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	195048	19.484	ug/L	99
71) Naphthalene	13.439	128	264049	15.652	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	158532	19.470	ug/L	98

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

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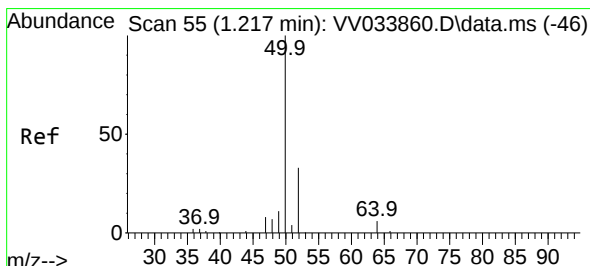
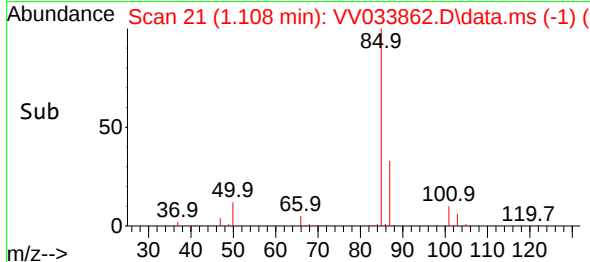
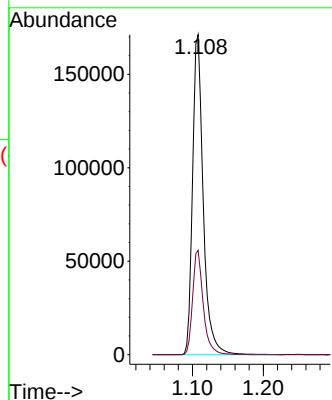
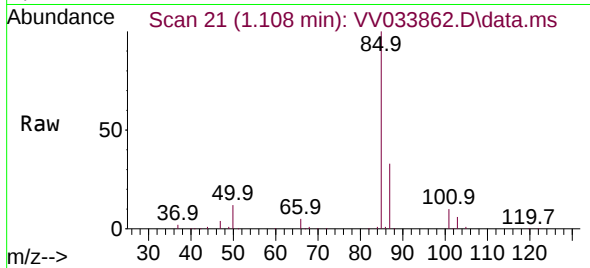




#2
 Dichlorodifluoromethane
 Concen: 20.459 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV033862.D
 Acq: 25 Jan 2024 10:45

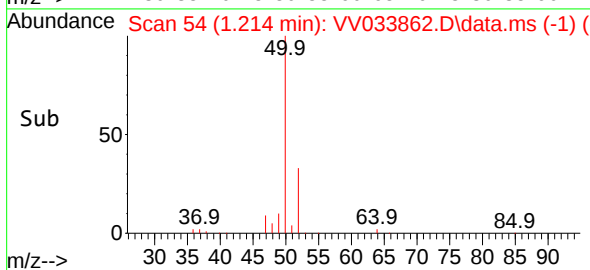
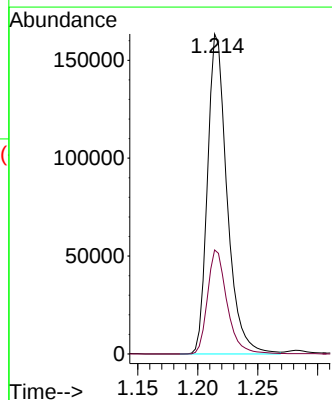
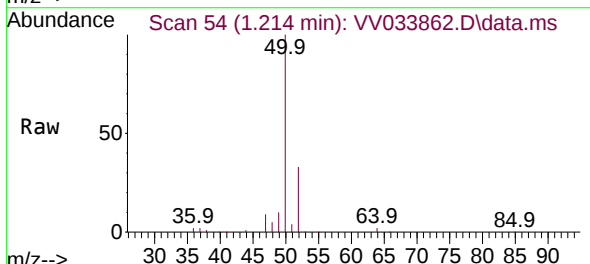
Instrument :
 MSVOA_V
 ClientSampleId :

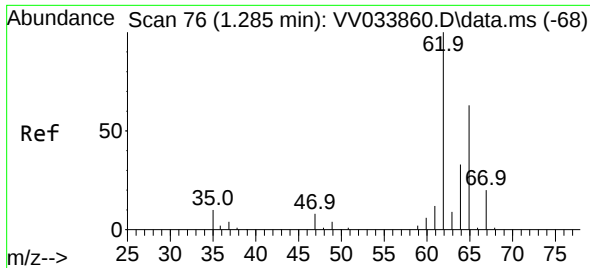
Tgt Ion: 85 Resp: 179094
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.2 39.4



#3
 Chloromethane
 Concen: 18.078 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV033862.D
 Acq: 25 Jan 2024 10:45

Tgt Ion: 50 Resp: 185565
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.4 43.4

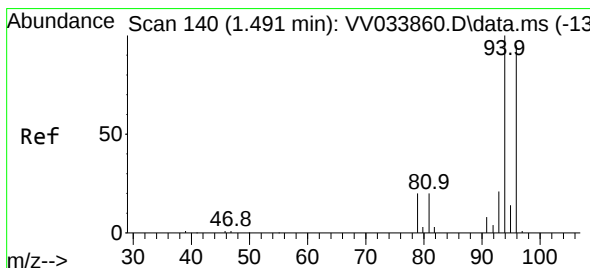
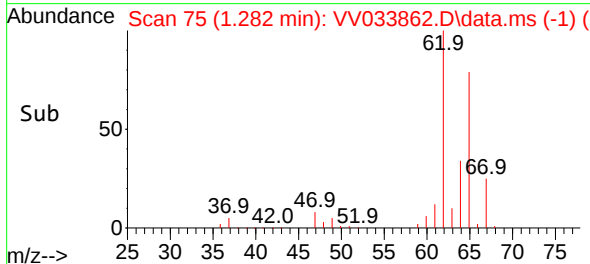
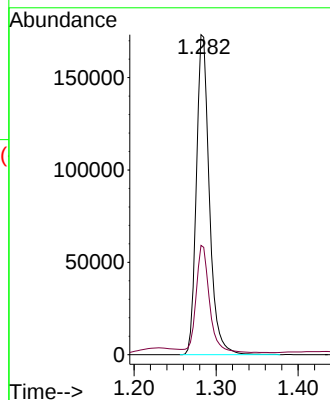
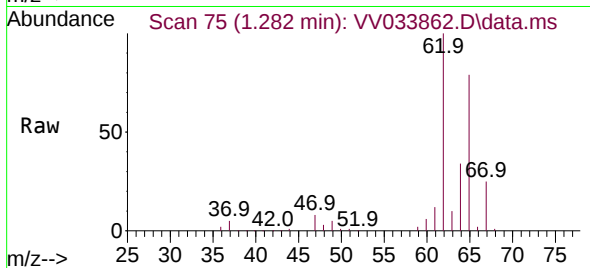




#5
 Vinyl chloride
 Concen: 19.271 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV033862.D
 Acq: 25 Jan 2024 10:45

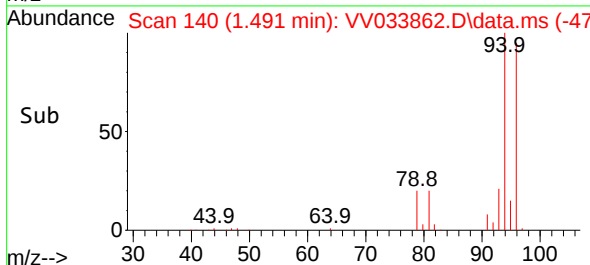
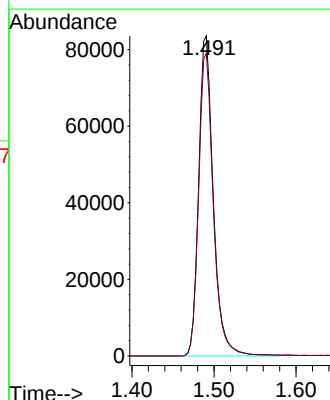
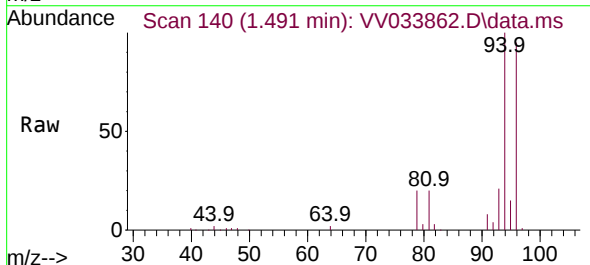
Instrument :
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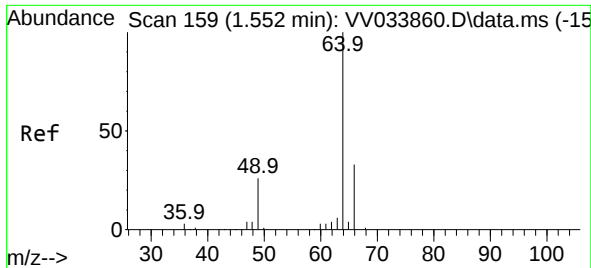
Tgt Ion: 62 Resp: 190456
 Ion Ratio Lower Upper
 62 100
 64 34.2 27.2 50.4



#6
 Bromomethane
 Concen: 21.037 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV033862.D
 Acq: 25 Jan 2024 10:45

Tgt Ion: 94 Resp: 103722
 Ion Ratio Lower Upper
 94 100
 96 94.6 66.6 123.8

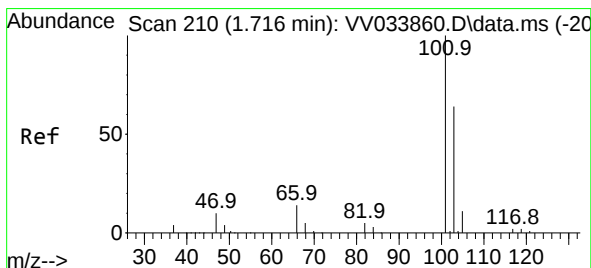
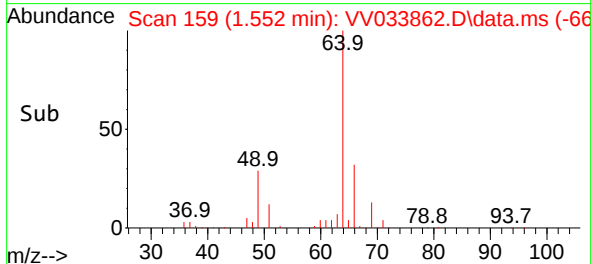
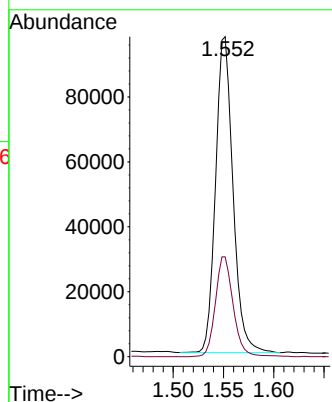
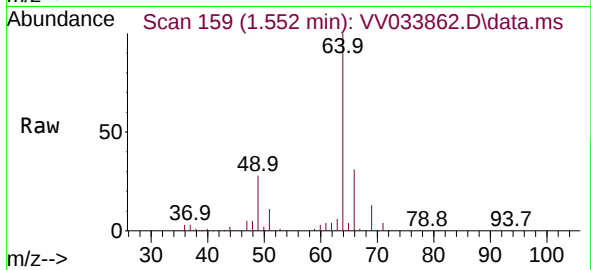




#8
Chloroethane
Concen: 19.446 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

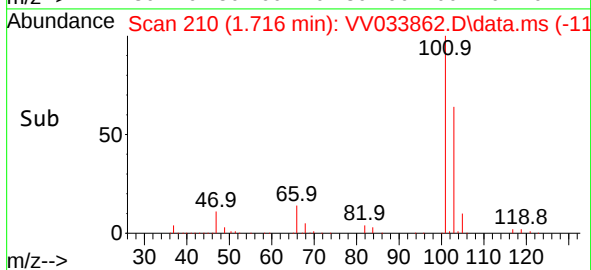
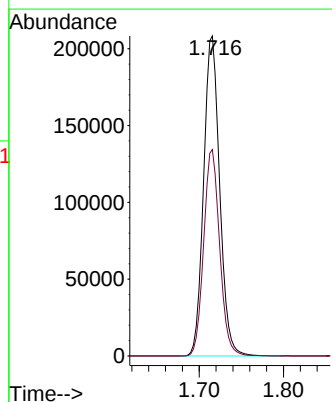
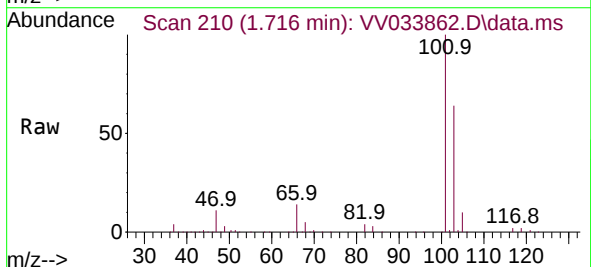
Instrument :
MSVOA_V
ClientSampleId :

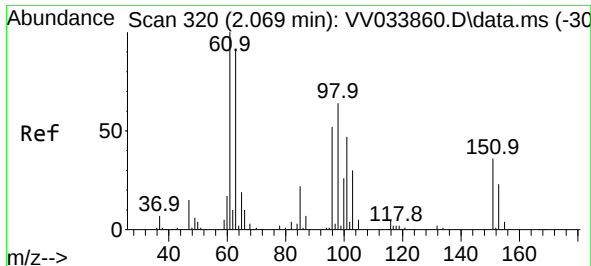
Tgt Ion: 64 Resp: 117282
Ion Ratio Lower Upper
64 100
66 31.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 22.402 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

Tgt Ion:101 Resp: 276981
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4





#10

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

Concen: 21.193 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :

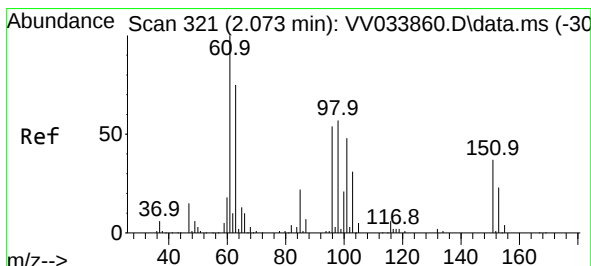
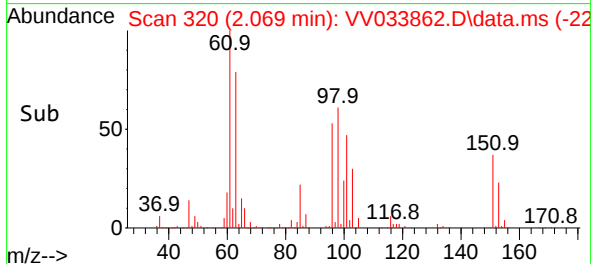
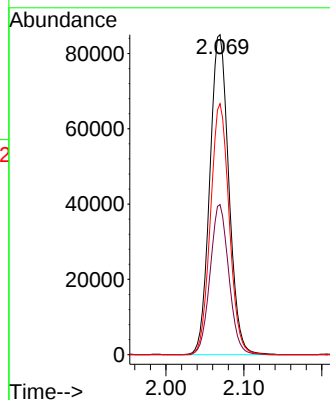
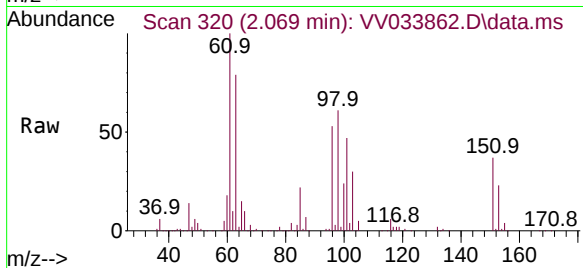
Tgt Ion:101 Resp: 144545

Ion Ratio Lower Upper

101 100

85 46.0 37.1 55.7

151 77.2 61.7 92.5



#12

1,1-Dichloroethene

Concen: 20.644 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

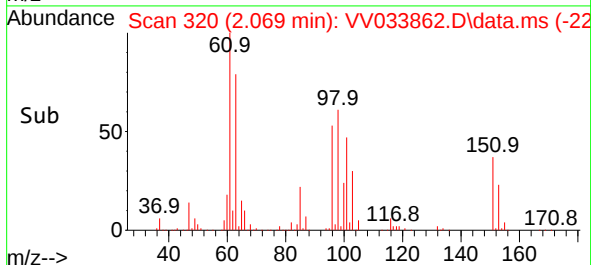
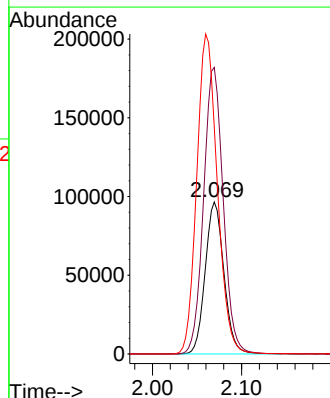
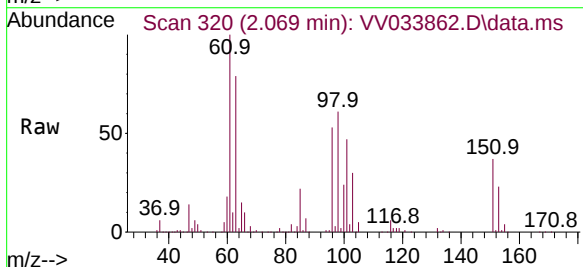
Tgt Ion: 96 Resp: 140689

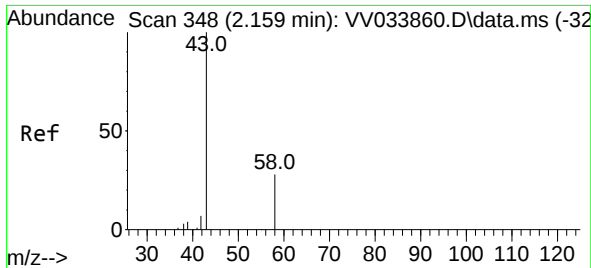
Ion Ratio Lower Upper

96 100

61 188.5 128.8 239.2

63 149.1 97.9 181.9





#13

Acetone

Concen: 174.886 ug/L

RT: 2.150 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

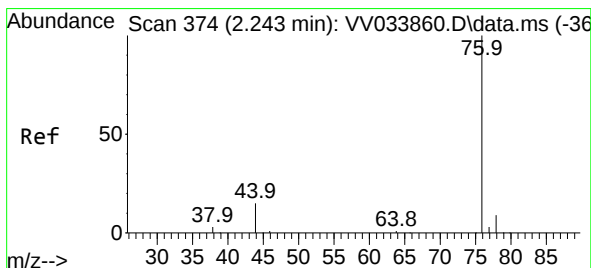
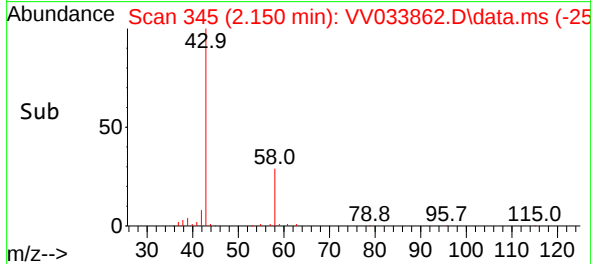
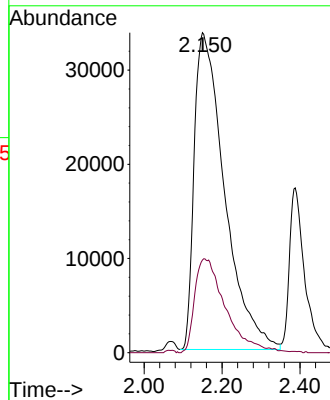
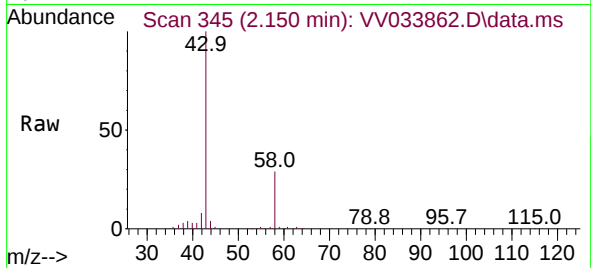
ClientSampleId :

Tgt Ion: 43 Resp: 181707

Ion Ratio Lower Upper

43 100

58 29.7 0.0 13.8#



#14

Carbon disulfide

Concen: 18.308 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033862.D

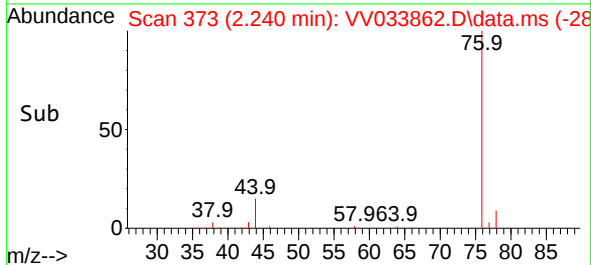
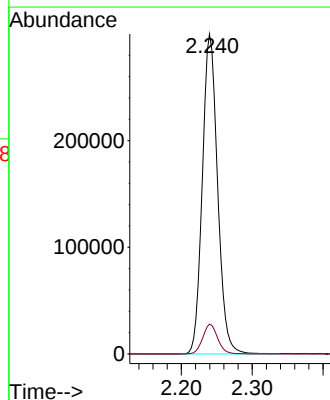
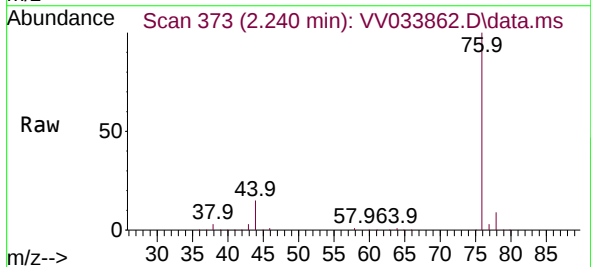
Acq: 25 Jan 2024 10:45

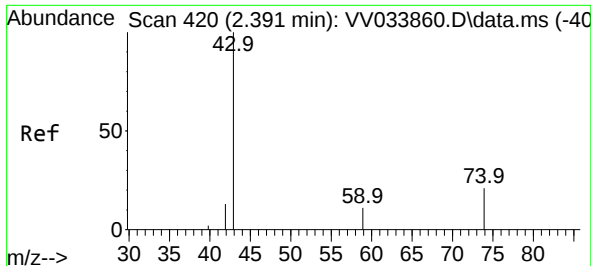
Tgt Ion: 76 Resp: 448687

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

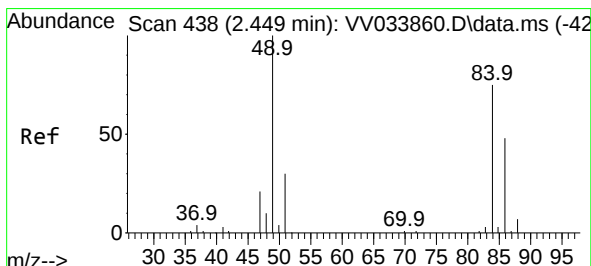
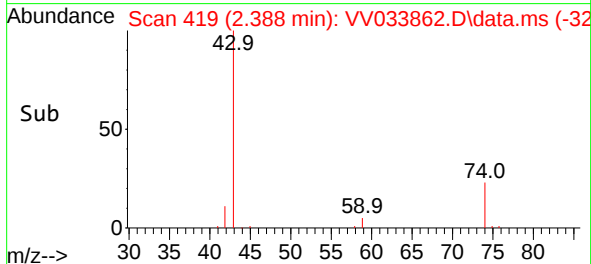
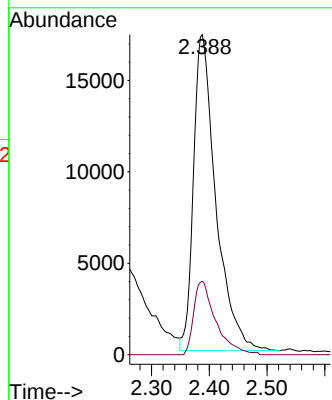
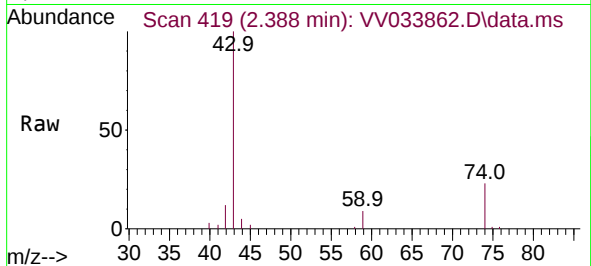




#15
Methyl Acetate
Concen: 19.395 ug/L
RT: 2.388 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

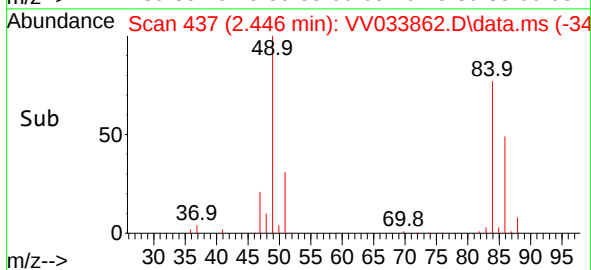
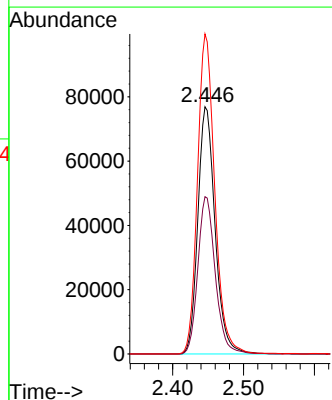
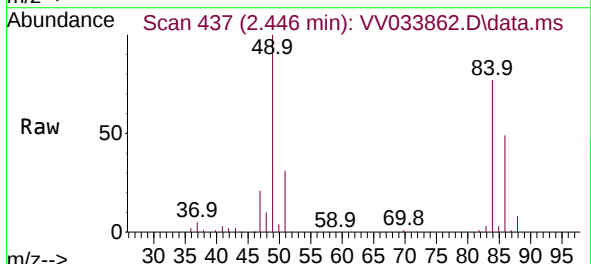
Instrument :
MSVOA_V
ClientSampleId :

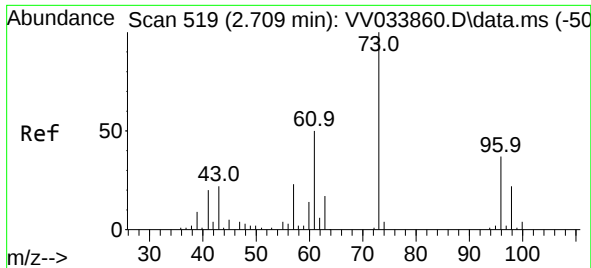
Tgt Ion: 43 Resp: 46620
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4



#16
Methylene chloride
Concen: 16.745 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

Tgt Ion: 84 Resp: 130110
Ion Ratio Lower Upper
84 100
86 63.6 44.7 83.1
49 129.4 93.7 173.9

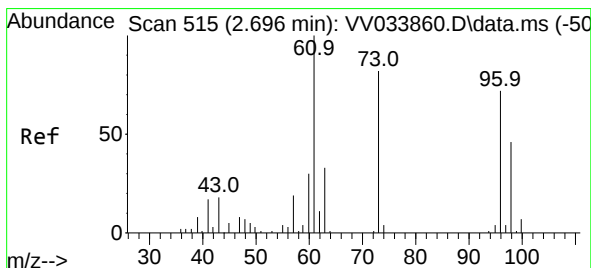
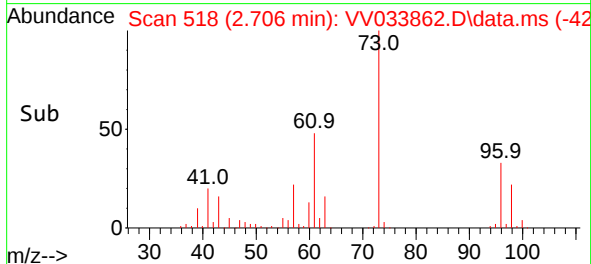
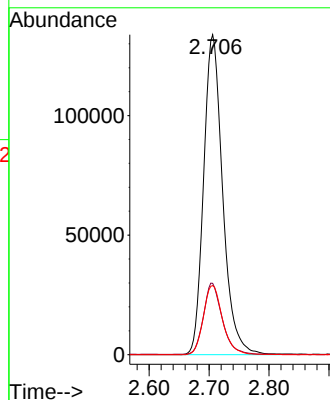
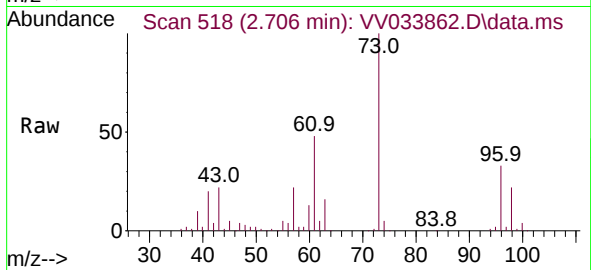




#17
Methyl tert-butyl Ether
Concen: 19.481 ug/L
RT: 2.706 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

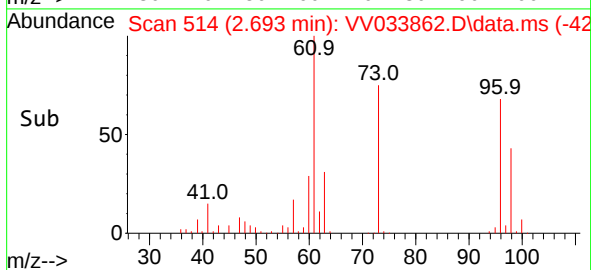
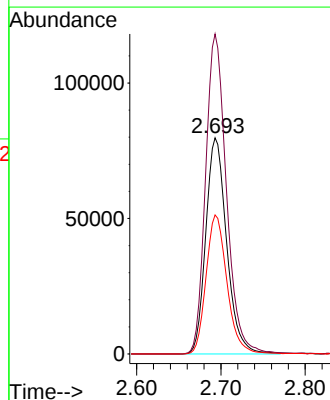
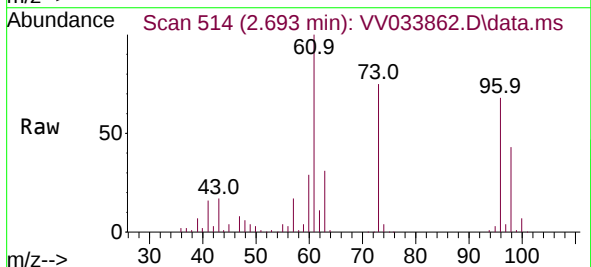
Instrument :
MSVOA_V
ClientSampleId :

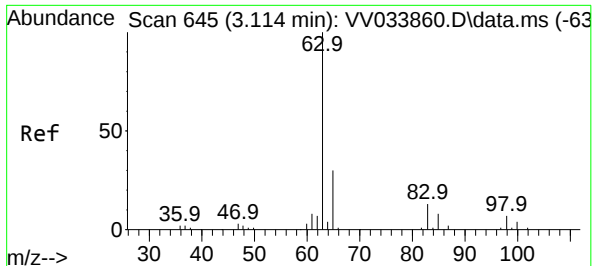
Tgt Ion: 73 Resp: 296181
Ion Ratio Lower Upper
73 100
43 21.9 17.7 26.5
57 21.8 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 18.311 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

Tgt Ion: 96 Resp: 137808
Ion Ratio Lower Upper
96 100
61 148.1 97.6 181.4
98 64.4 44.4 82.5





#19

1,1-Dichloroethane

Concen: 17.679 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :

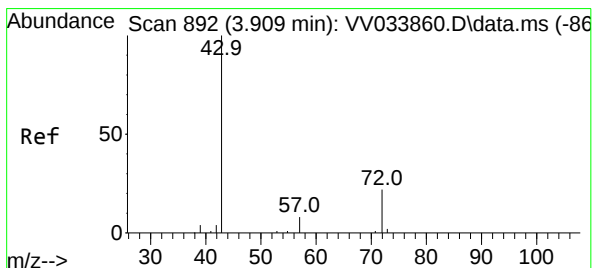
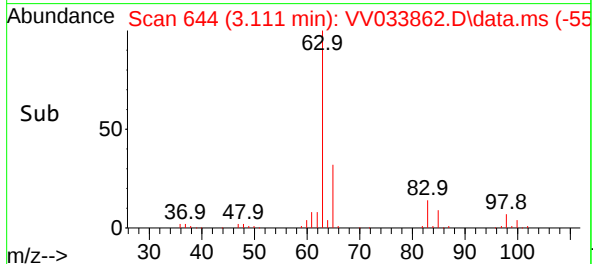
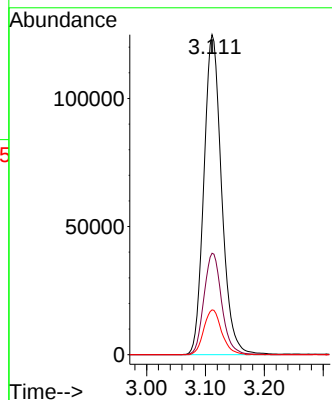
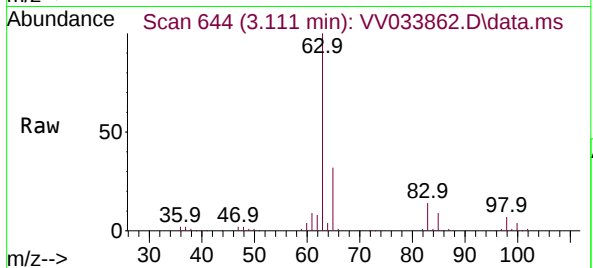
Tgt Ion: 63 Resp: 261431

Ion Ratio Lower Upper

63 100

65 31.7 20.8 38.6

83 14.0 9.4 17.4



#21

2-Butanone

Concen: 192.466 ug/L

RT: 3.889 min Scan# 886

Delta R.T. -0.019 min

Lab File: VV033862.D

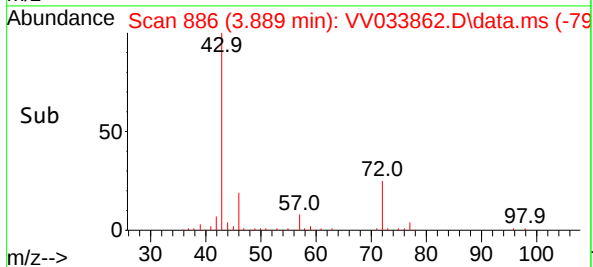
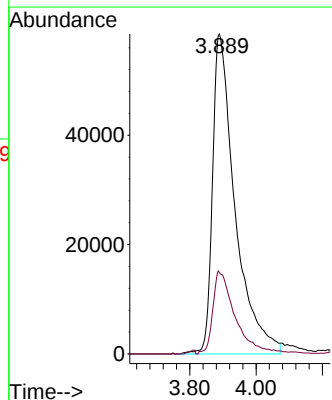
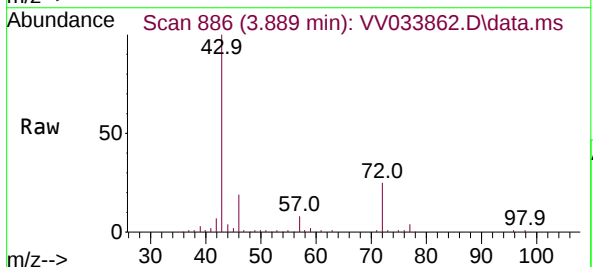
Acq: 25 Jan 2024 10:45

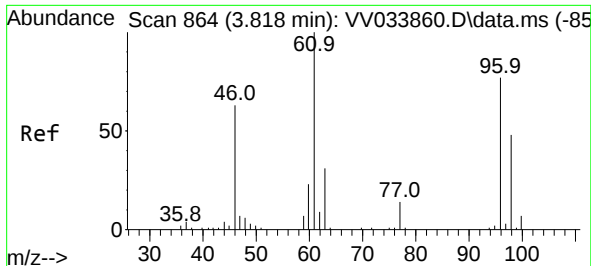
Tgt Ion: 43 Resp: 275867

Ion Ratio Lower Upper

43 100

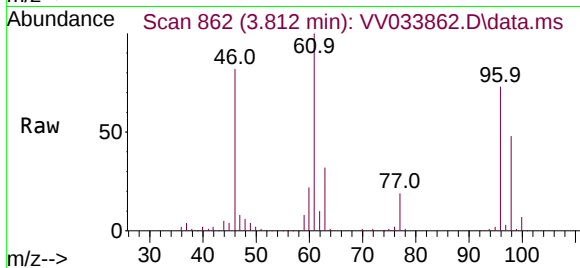
72 25.1 4.0 11.9#



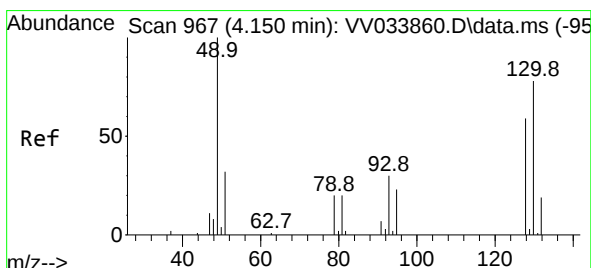
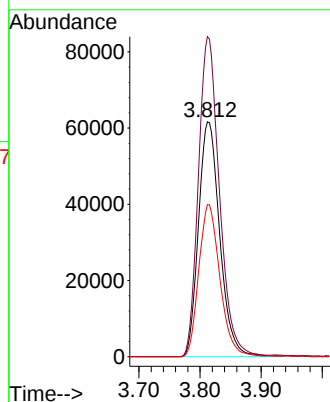
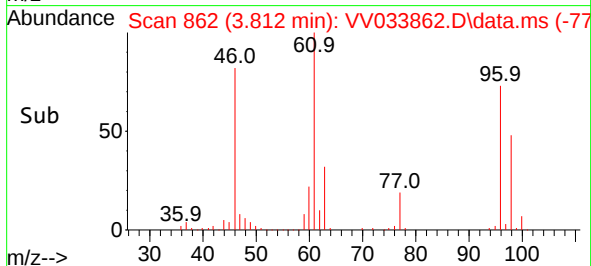


#22
 cis-1,2-Dichloroethene
 Concen: 18.765 ug/L
 RT: 3.812 min Scan# 864
 Delta R.T. -0.006 min
 Lab File: VV033862.D
 Acq: 25 Jan 2024 10:45

Instrument :
 MSVOA_V
 ClientSampleId :

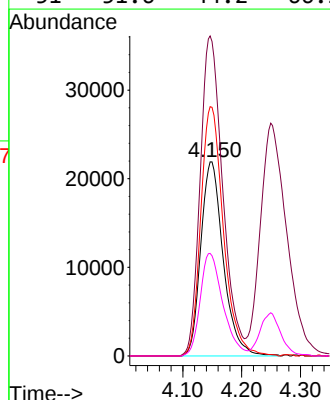
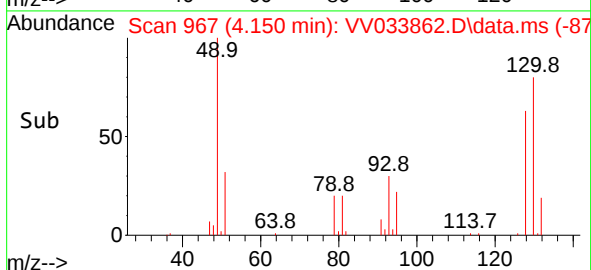
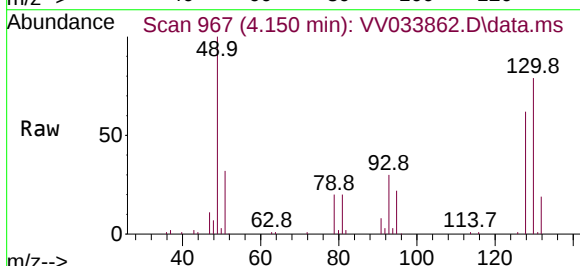


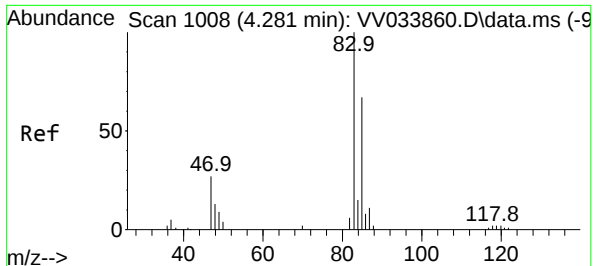
Tgt Ion: 96 Resp: 148946
 Ion Ratio Lower Upper
 96 100
 61 136.2 90.3 167.7
 98 64.7 43.2 80.2



#23
 Bromochloromethane
 Concen: 19.976 ug/L
 RT: 4.150 min Scan# 967
 Delta R.T. -0.000 min
 Lab File: VV033862.D
 Acq: 25 Jan 2024 10:45

Tgt Ion: 128 Resp: 58018
 Ion Ratio Lower Upper
 128 100
 49 162.0 120.5 223.7
 130 128.1 93.4 173.4
 51 51.6 44.2 66.2





#25

Chloroform

Concen: 18.963 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.006 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

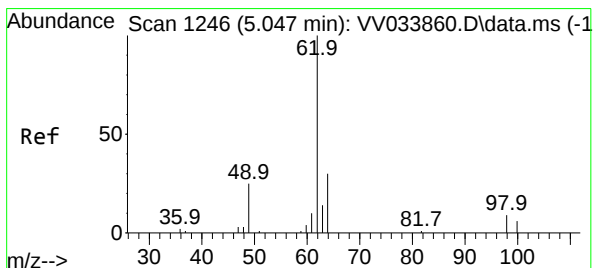
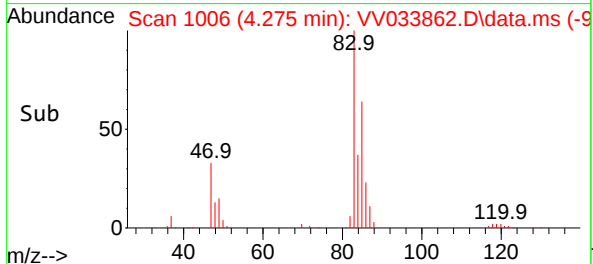
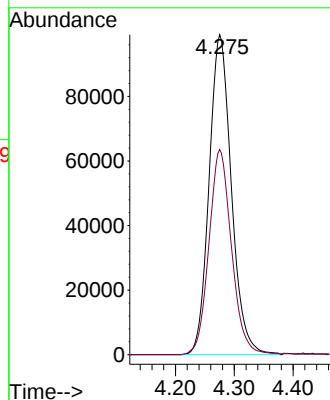
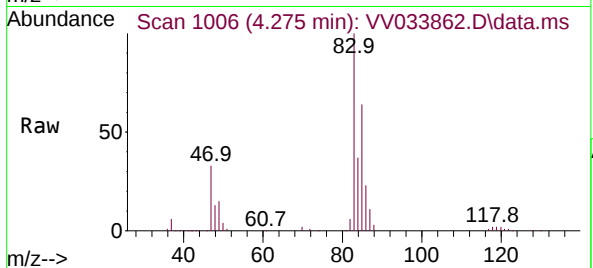
ClientSampleId :

Tgt Ion: 83 Resp: 260811

Ion Ratio Lower Upper

83 100

85 64.1 47.5 88.1



#27

1,2-Dichloroethane

Concen: 19.529 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.006 min

Lab File: VV033862.D

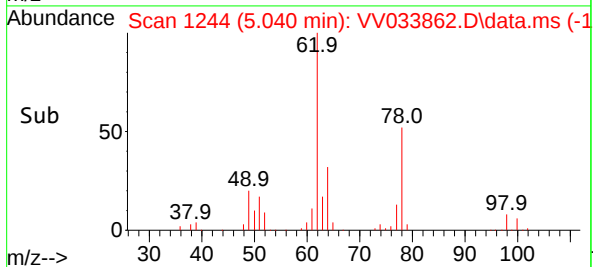
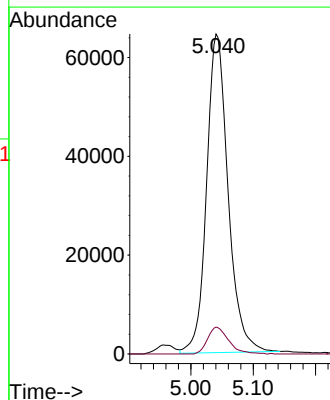
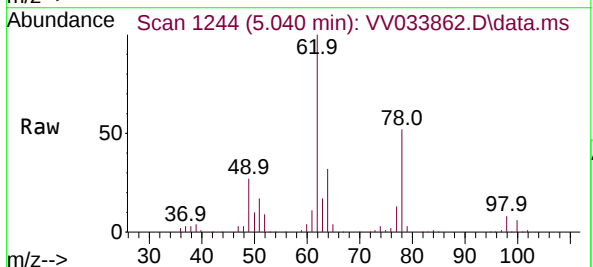
Acq: 25 Jan 2024 10:45

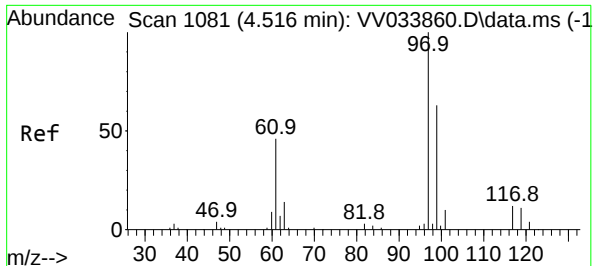
Tgt Ion: 62 Resp: 154413

Ion Ratio Lower Upper

62 100

98 8.4 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 19.766 ug/L

RT: 4.513 min Scan# 1081

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :

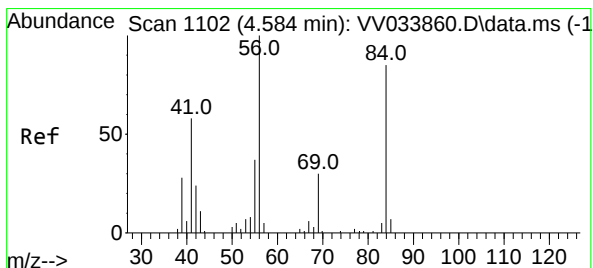
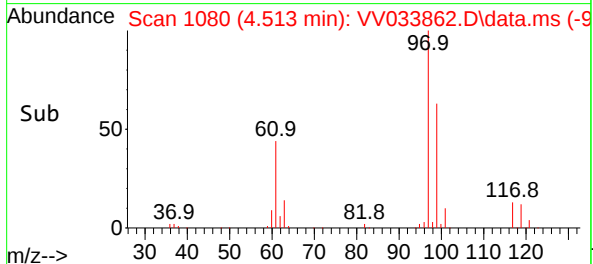
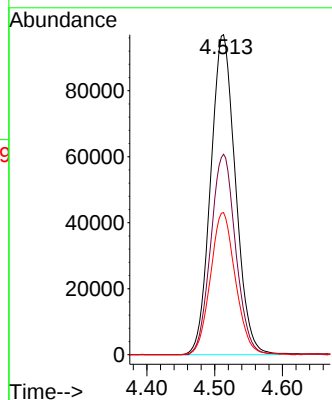
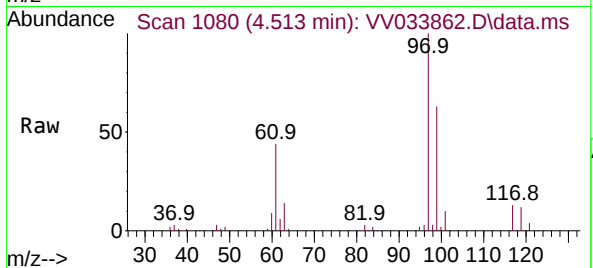
Tgt Ion: 97 Resp: 246470

Ion Ratio Lower Upper

97 100

99 63.1 50.6 75.8

61 44.9 36.8 55.2



#30

Cyclohexane

Concen: 16.040 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

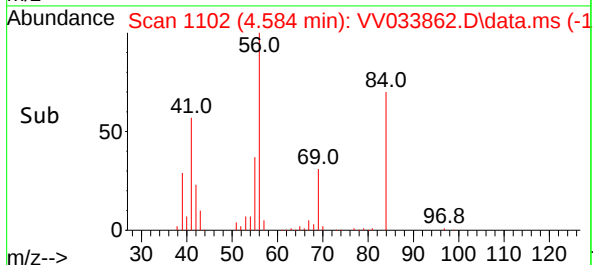
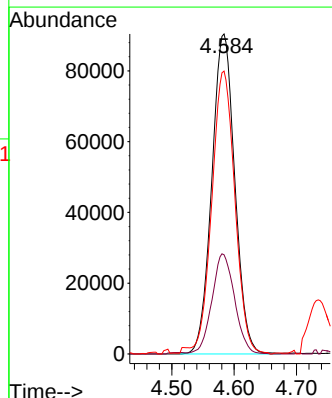
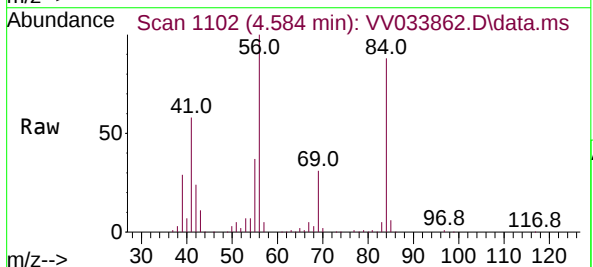
Tgt Ion: 56 Resp: 231370

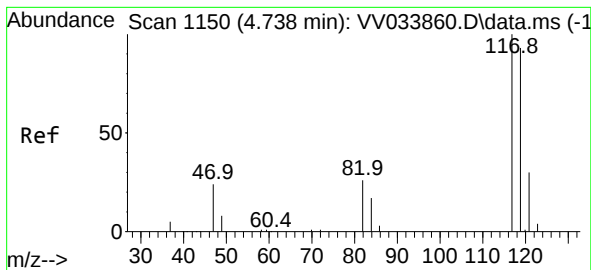
Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.2

84 88.7 70.0 105.0





#31

Carbon tetrachloride

Concen: 20.149 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

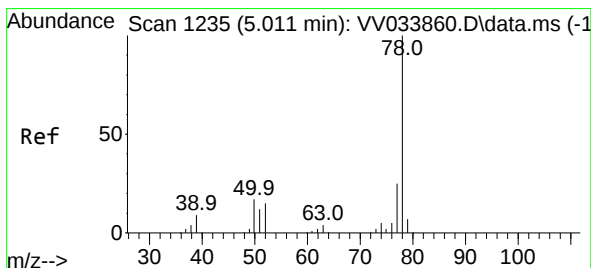
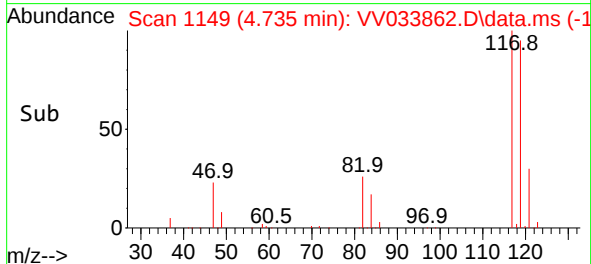
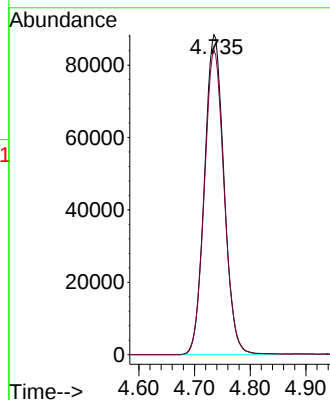
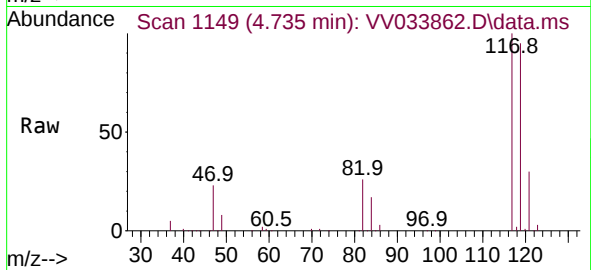
ClientSampleId :

Tgt Ion:117 Resp: 215883

Ion Ratio Lower Upper

117 100

119 96.3 76.1 114.1



#33

Benzene

Concen: 17.757 ug/L

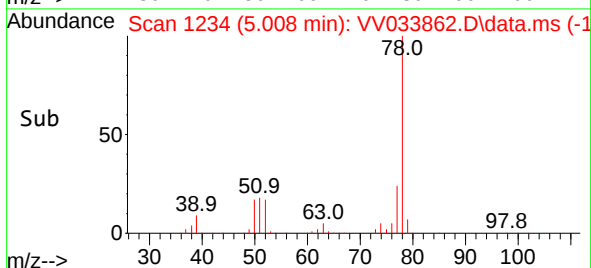
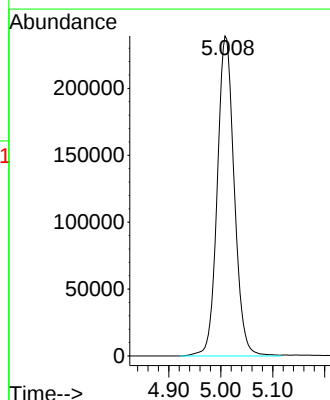
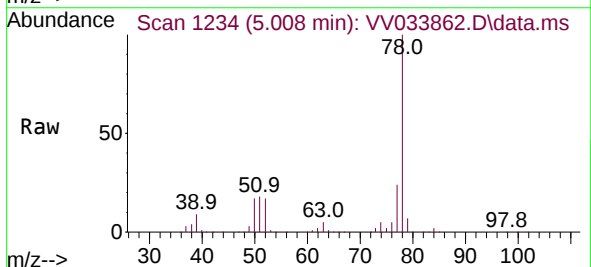
RT: 5.008 min Scan# 1234

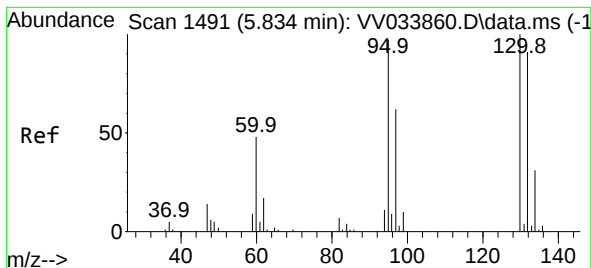
Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Tgt Ion: 78 Resp: 542107





#34

Trichloroethene

Concen: 18.181 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 149199

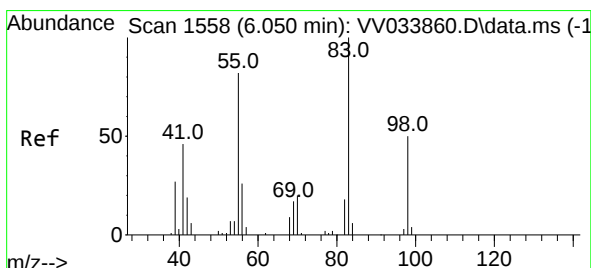
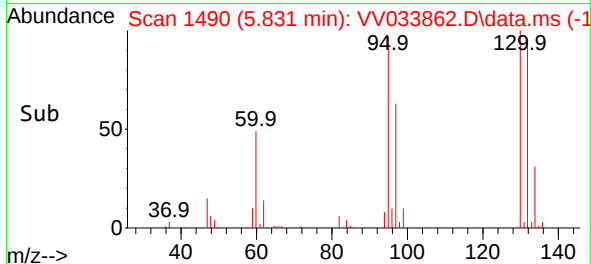
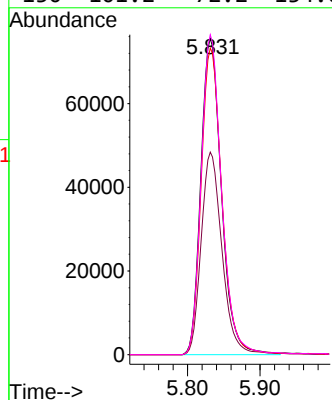
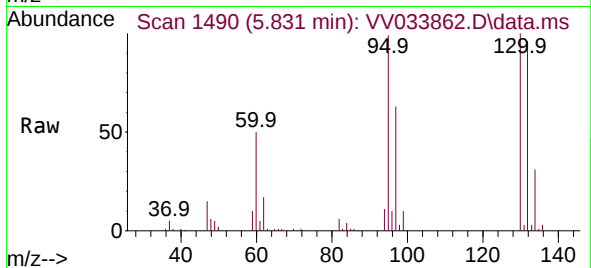
Ion Ratio Lower Upper

95 100

97 64.1 45.1 83.7

132 97.0 66.0 122.6

130 101.2 72.2 134.0



#35

Methylcyclohexane

Concen: 17.469 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

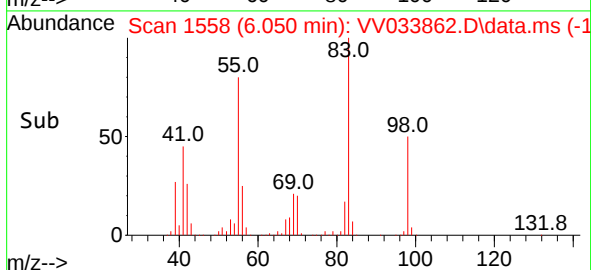
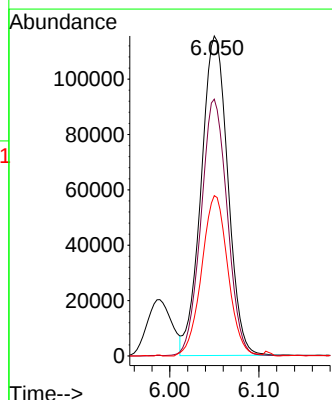
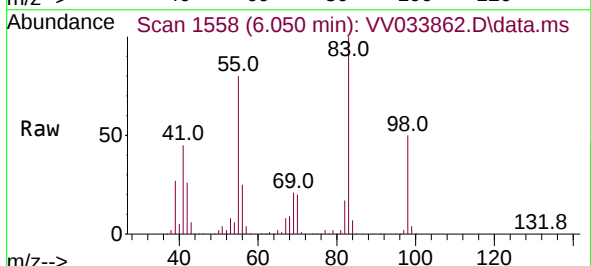
Tgt Ion: 83 Resp: 240273

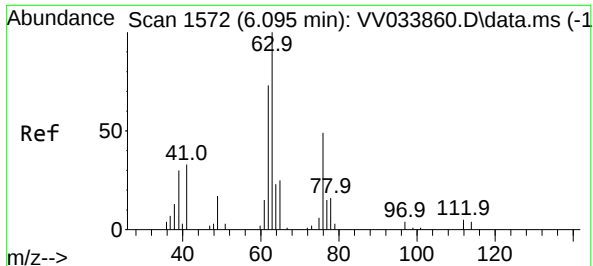
Ion Ratio Lower Upper

83 100

55 78.5 63.5 95.3

98 49.3 39.0 58.4





#37

1,2-Dichloropropane

Concen: 17.144 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

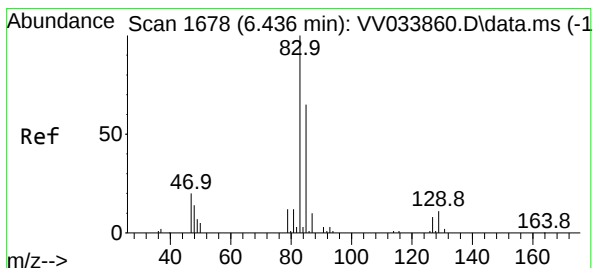
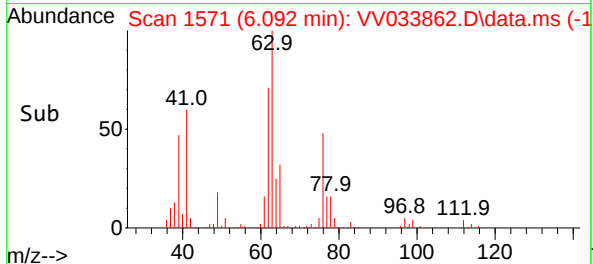
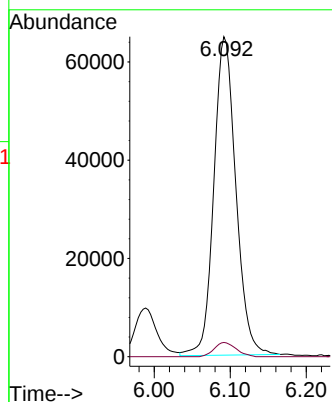
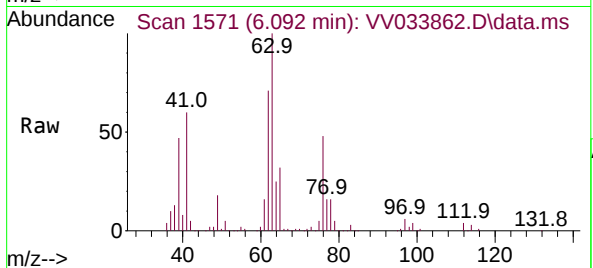
ClientSampleId :

Tgt Ion: 63 Resp: 130470

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



#38

Bromodichloromethane

Concen: 18.836 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

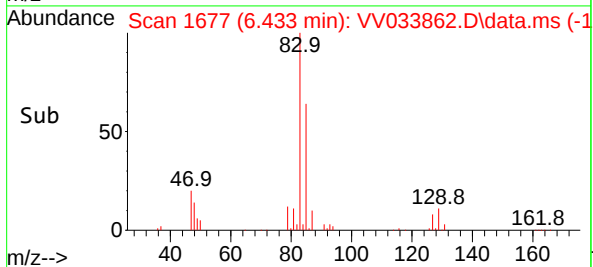
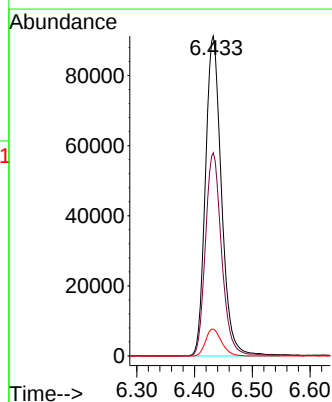
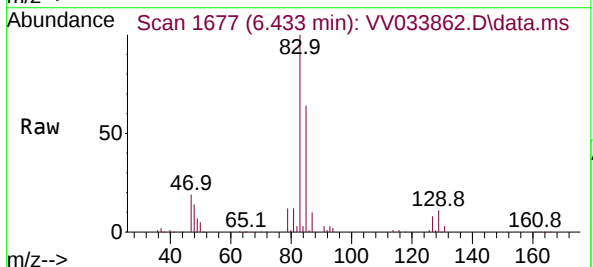
Tgt Ion: 83 Resp: 176237

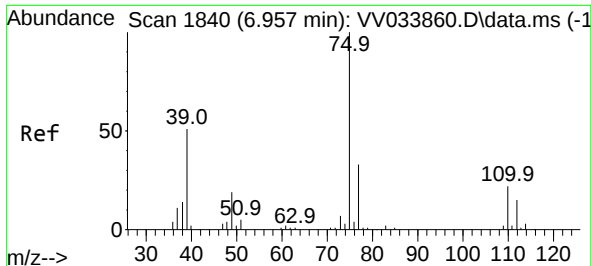
Ion Ratio Lower Upper

83 100

85 63.5 45.4 84.2

127 8.4 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 19.514 ug/L

RT: 6.953 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

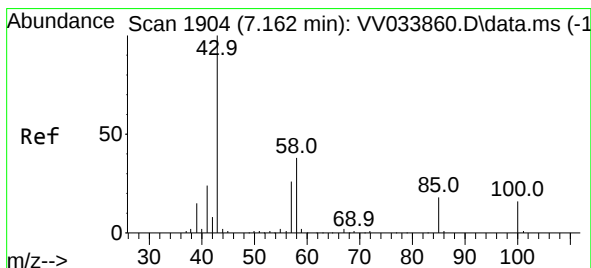
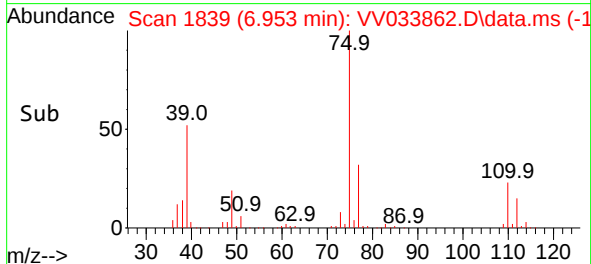
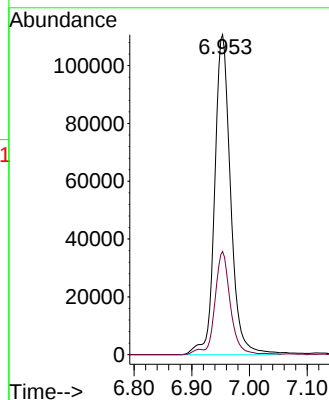
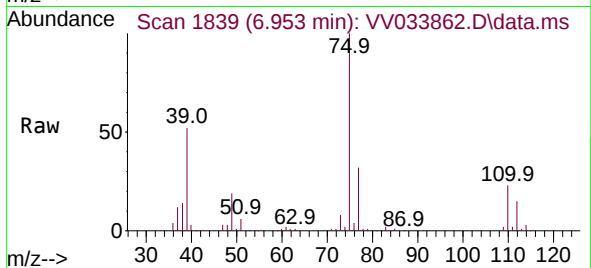
ClientSampleId :

Tgt Ion: 75 Resp: 213049

Ion Ratio Lower Upper

75 100

77 32.2 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 182.008 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

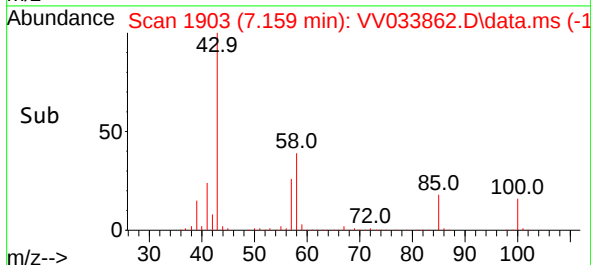
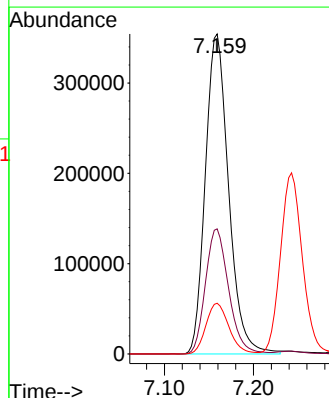
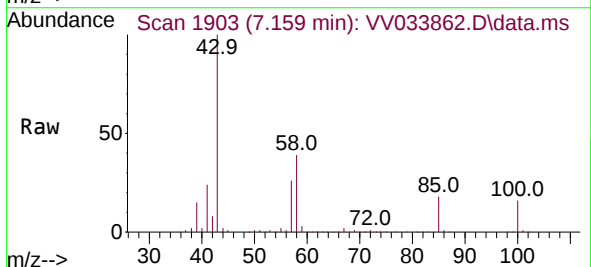
Tgt Ion: 43 Resp: 643763

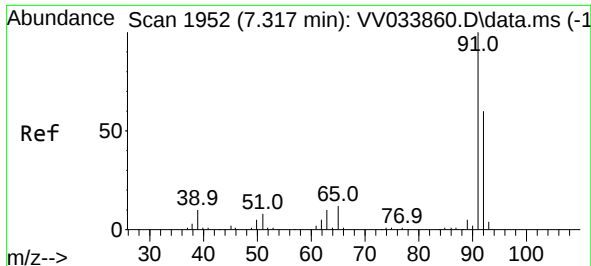
Ion Ratio Lower Upper

43 100

58 39.0 30.2 45.2

100 15.7 12.1 18.1





#42

Toluene

Concen: 18.023 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

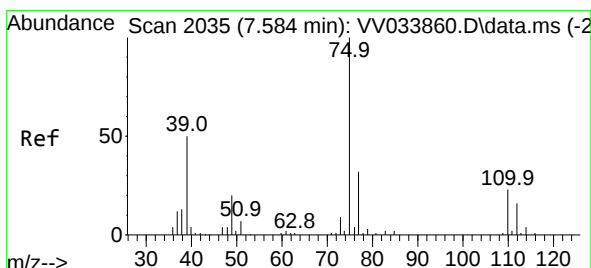
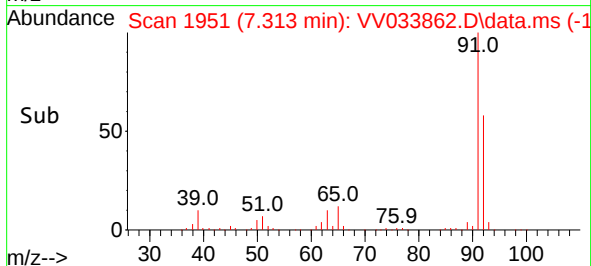
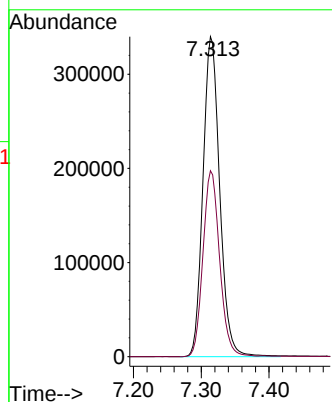
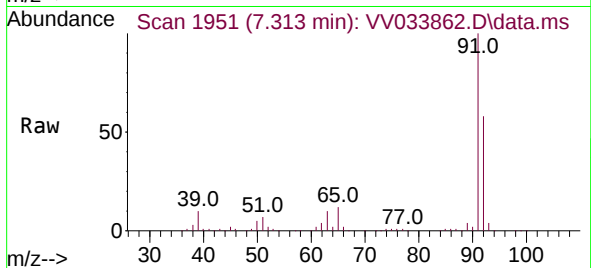
ClientSampleId :

Tgt Ion: 91 Resp: 583110

Ion Ratio Lower Upper

91 100

92 58.1 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 18.977 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.003 min

Lab File: VV033862.D

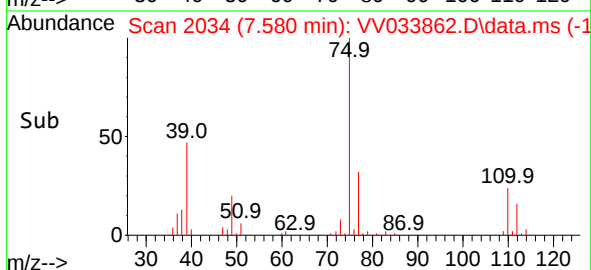
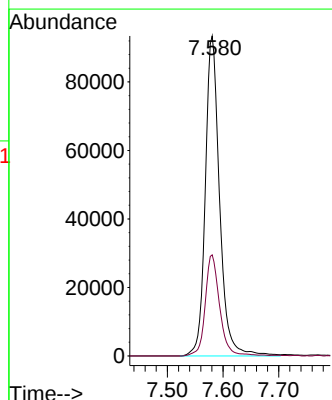
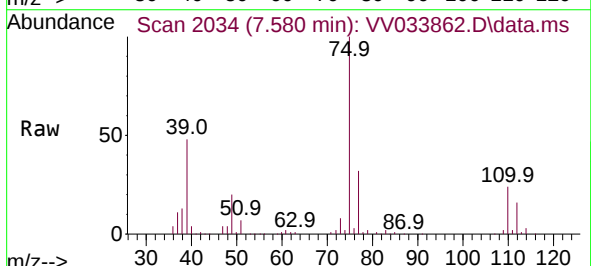
Acq: 25 Jan 2024 10:45

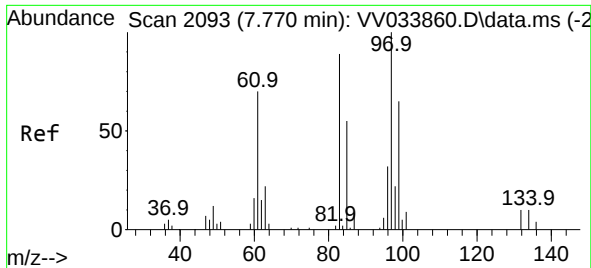
Tgt Ion: 75 Resp: 167127

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2

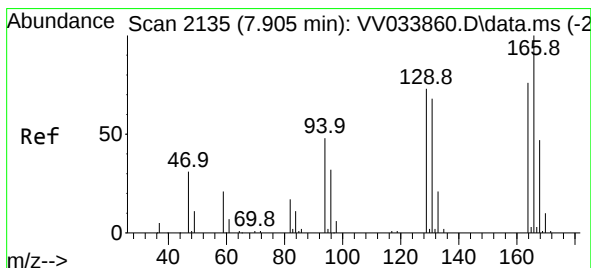
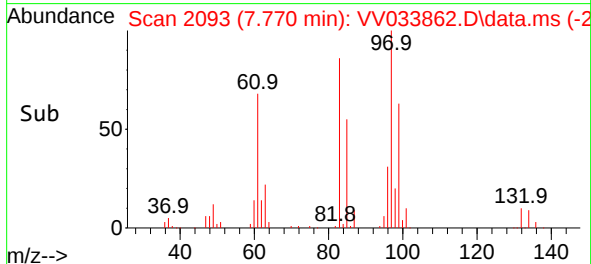
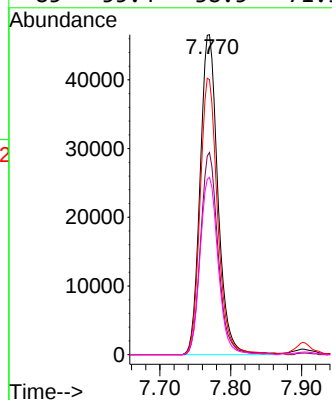
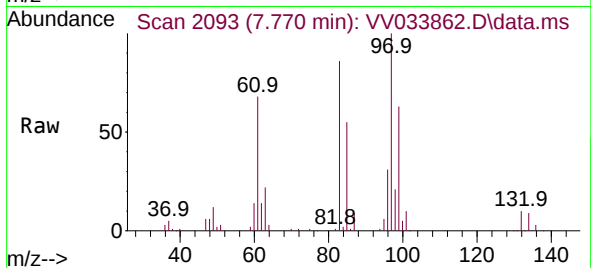




#45
1,1,2-Trichloroethane
Concen: 18.907 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

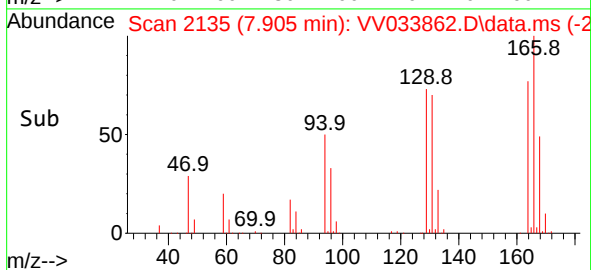
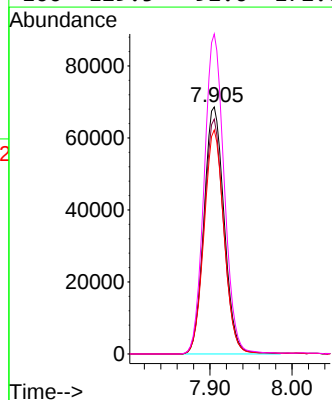
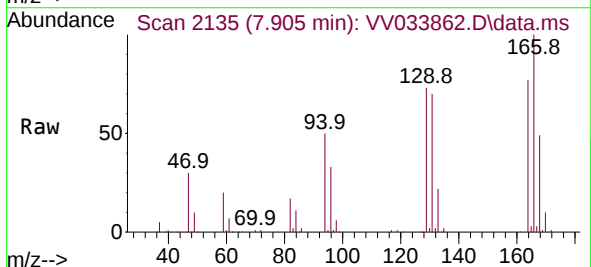
Instrument :
MSVOA_V
ClientSampleId :

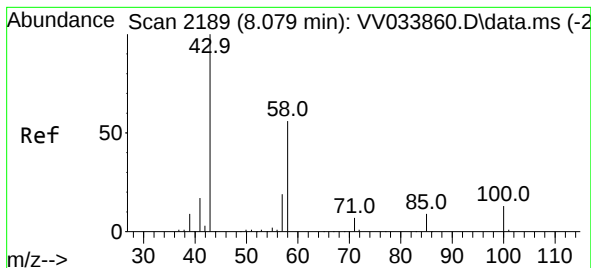
Tgt Ion:	97	Resp:	81009
Ion	Ratio	Lower	Upper
97	100		
99	63.2	45.6	84.6
83	85.9	62.3	115.7
85	55.4	38.5	71.5



#47
Tetrachloroethene
Concen: 19.556 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

Tgt Ion:	164	Resp:	117185
Ion	Ratio	Lower	Upper
164	100		
129	95.1	67.8	125.8
131	90.7	63.0	117.0
166	129.5	92.6	172.0





#48

2-Hexanone

Concen: 177.110 ug/L

RT: 8.076 min Scan# 2189

Delta R.T. -0.003 min

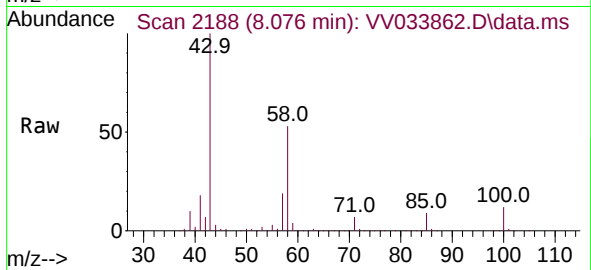
Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 459899

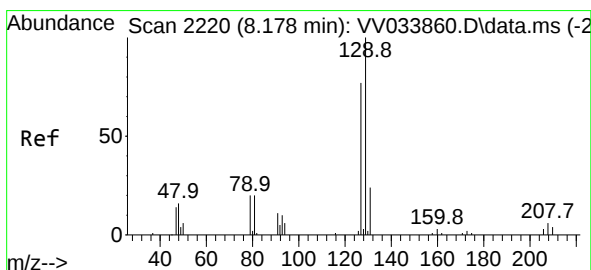
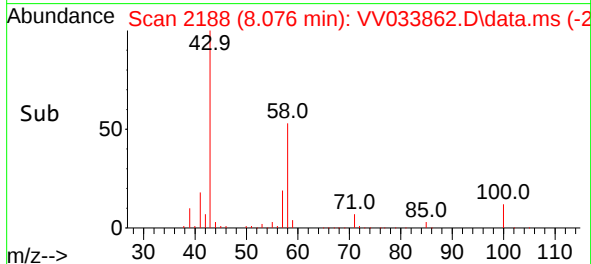
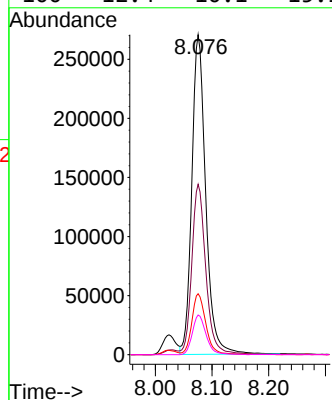
Ion	Ratio	Lower	Upper
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43	100		
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58	53.6	42.6	64.0
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57	19.1	15.5	23.3
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100	12.4	10.1	15.1
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#49

Dibromochloromethane

Concen: 18.693 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.003 min

Lab File: VV033862.D

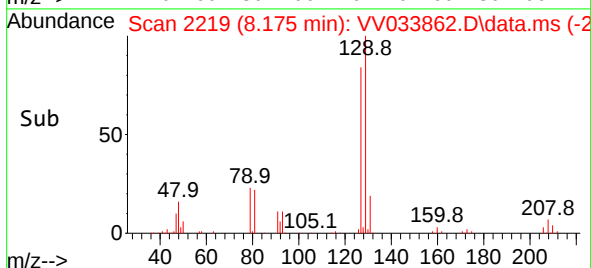
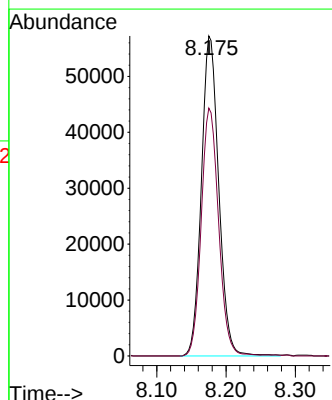
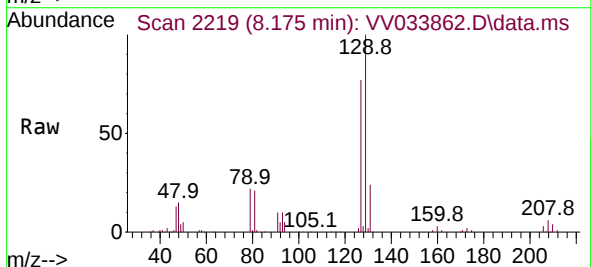
Acq: 25 Jan 2024 10:45

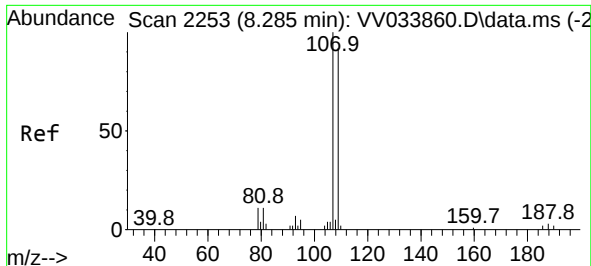
Tgt Ion: 129 Resp: 99406

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

129	100		
-----	-----	--	--

127	77.4	53.5	99.5
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#50

1,2-Dibromoethane

Concen: 18.922 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV033862.D

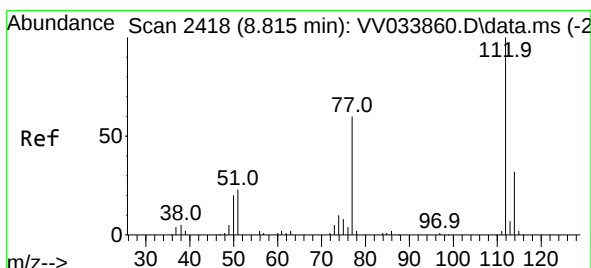
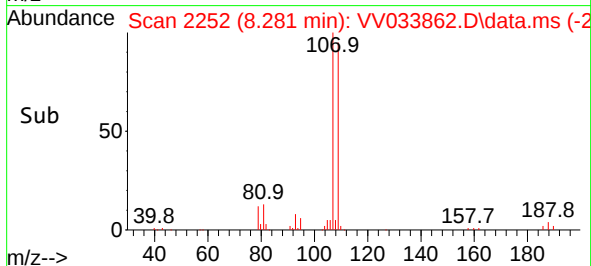
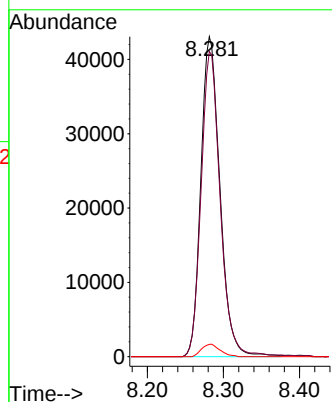
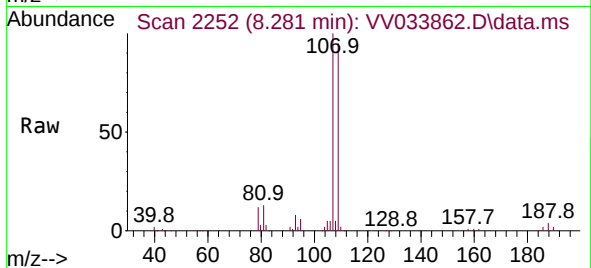
Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	74924
Ion	Ratio	Lower	Upper
107	100		
109	95.4	64.5	119.9
188	3.9	2.6	4.0



#51

Chlorobenzene

Concen: 18.364 ug/L

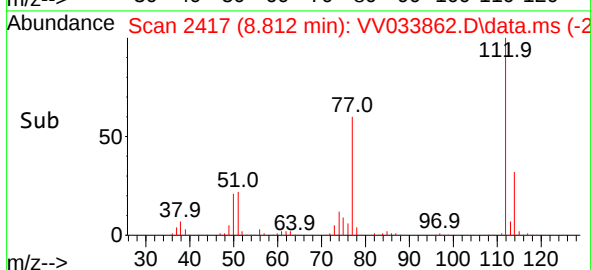
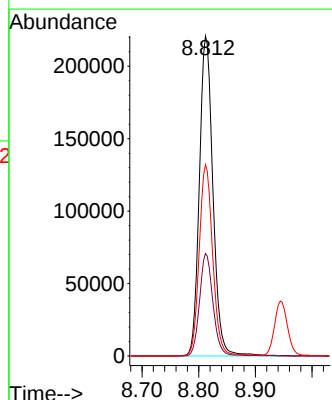
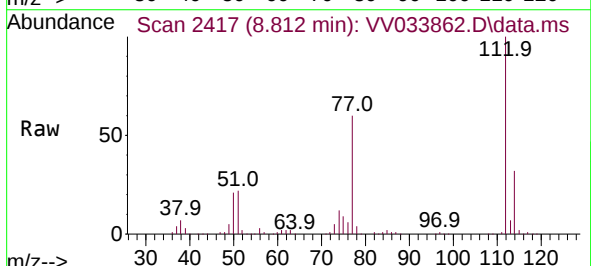
RT: 8.812 min Scan# 2417

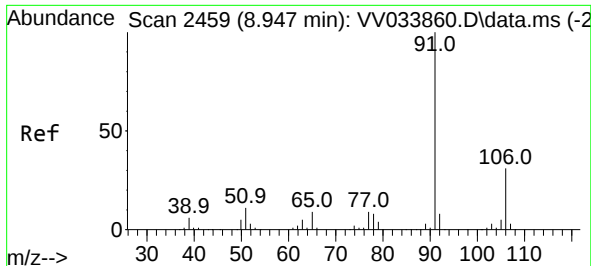
Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Tgt Ion:	112	Resp:	367090
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.5	41.7
77	59.7	48.1	72.1





#52

Ethylbenzene

Concen: 17.870 ug/L

RT: 8.944 min Scan# 2459

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

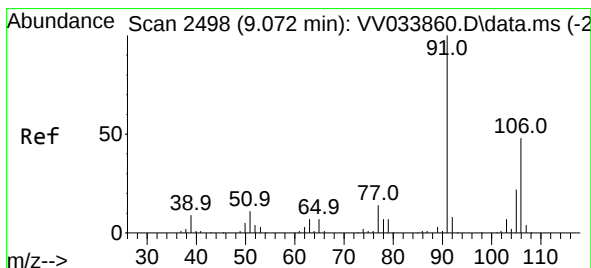
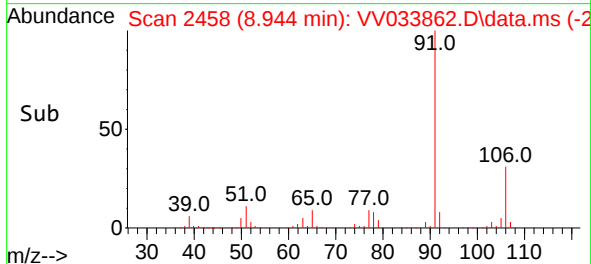
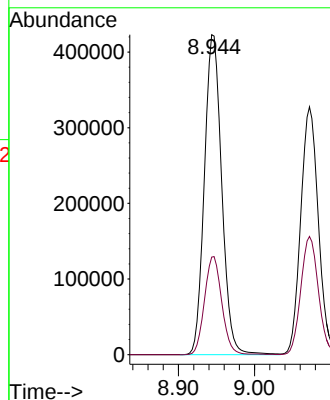
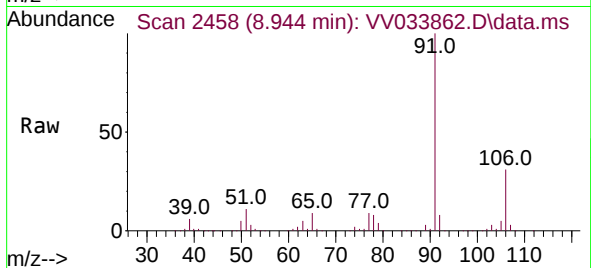
ClientSampleId :

Tgt Ion: 91 Resp: 671063

Ion Ratio Lower Upper

91 100

106 30.5 21.4 39.8



#53

m,p-Xylene

Concen: 18.101 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV033862.D

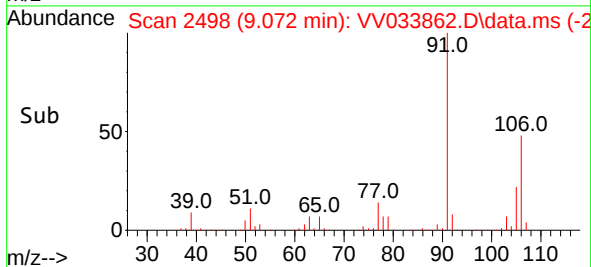
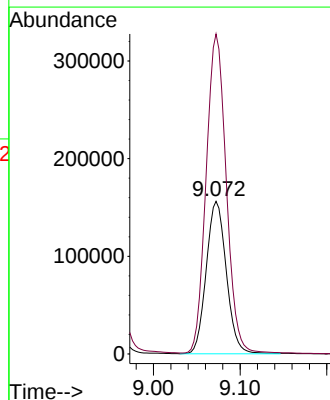
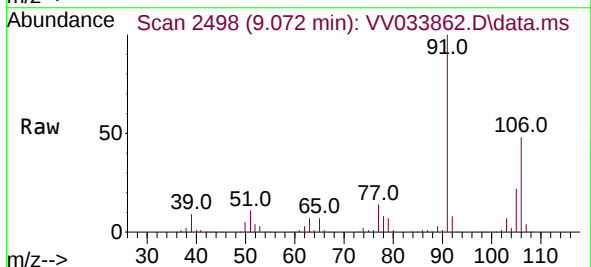
Acq: 25 Jan 2024 10:45

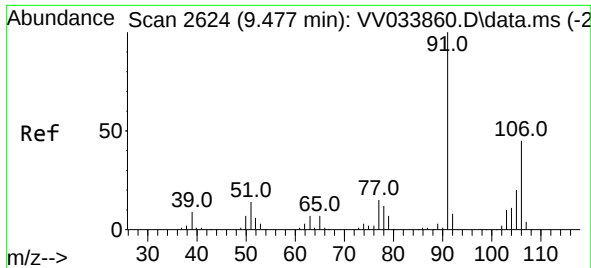
Tgt Ion:106 Resp: 251330

Ion Ratio Lower Upper

106 100

91 209.6 147.5 273.9

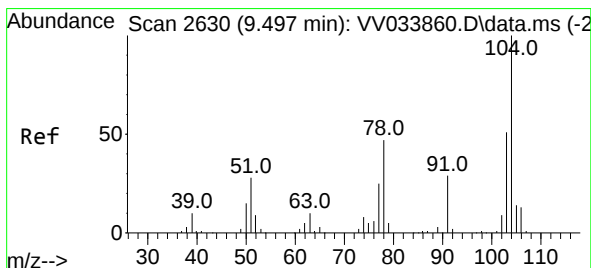
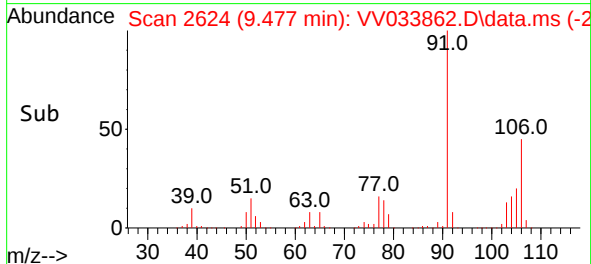
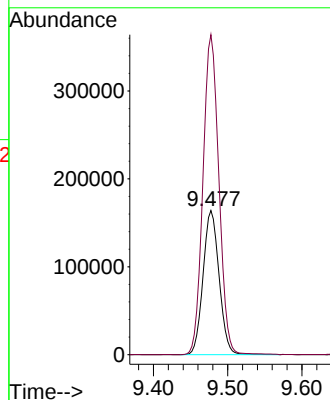
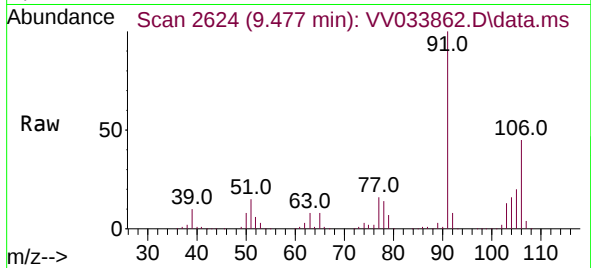




#54
o-Xylene
Concen: 18.217 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

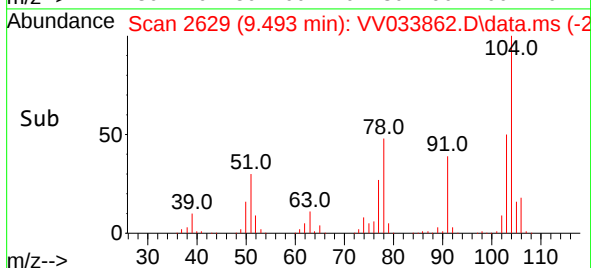
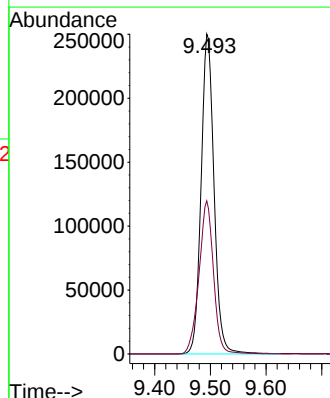
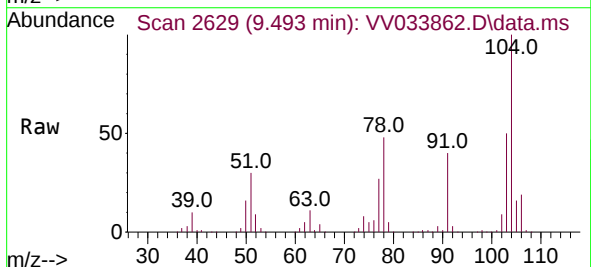
Instrument :
MSVOA_V
ClientSampleId :

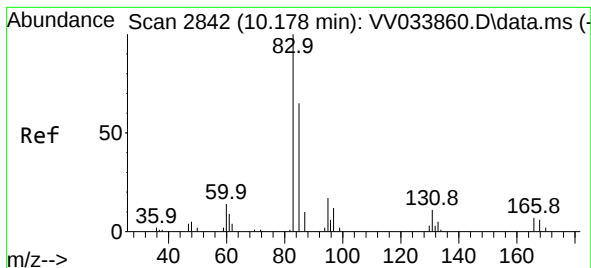
Tgt Ion:106 Resp: 245508
Ion Ratio Lower Upper
106 100
91 222.0 156.2 290.0



#55
Styrene
Concen: 18.739 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.003 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

Tgt Ion:104 Resp: 405058
Ion Ratio Lower Upper
104 100
78 47.9 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 18.380 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :

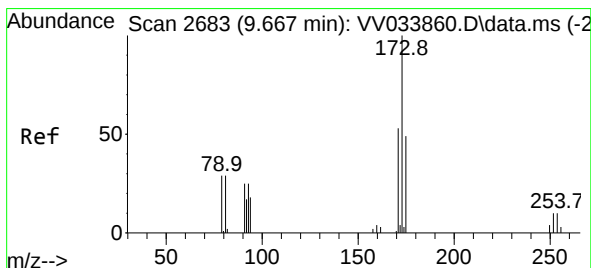
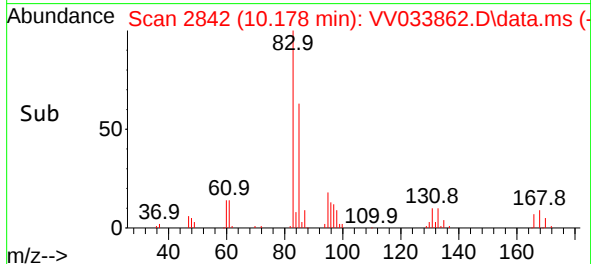
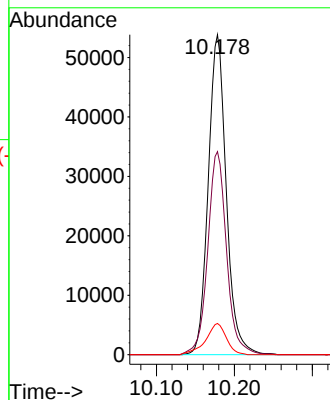
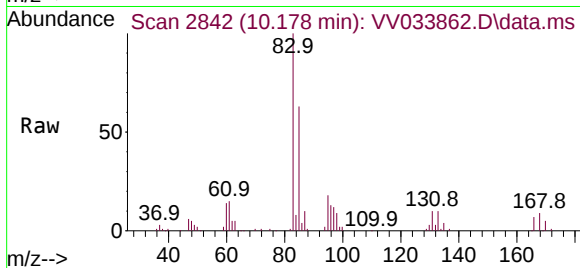
Tgt Ion: 83 Resp: 86634

Ion Ratio Lower Upper

83 100

85 63.5 46.5 86.3

131 9.7 8.4 12.6



#59

Bromoform

Concen: 20.056 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

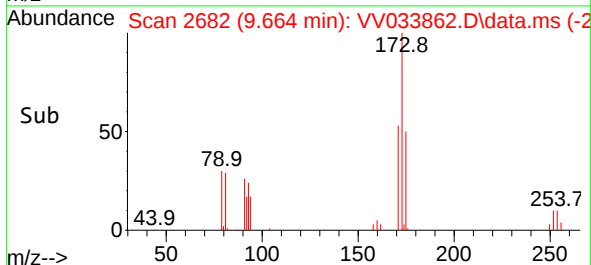
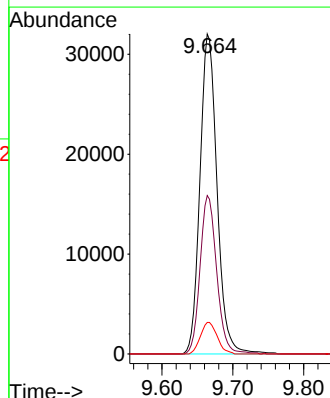
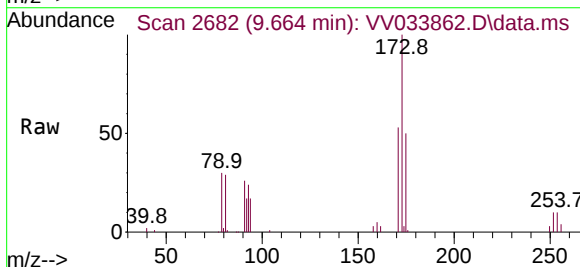
Tgt Ion: 173 Resp: 53646

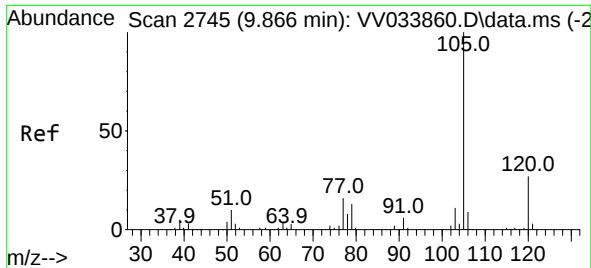
Ion Ratio Lower Upper

173 100

175 48.1 38.6 57.8

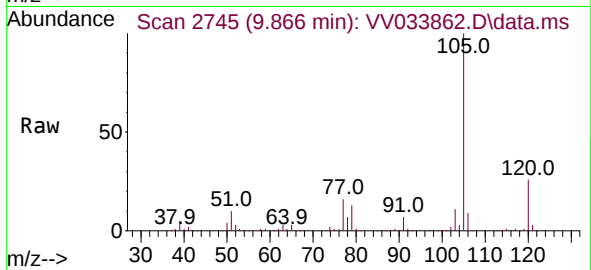
254 9.7 7.2 10.8



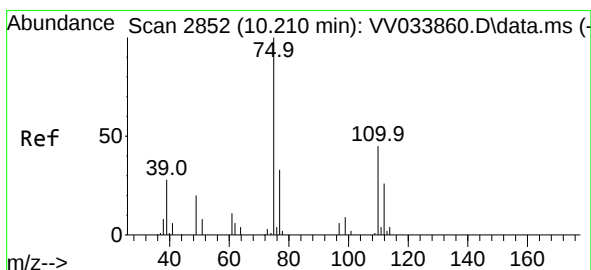
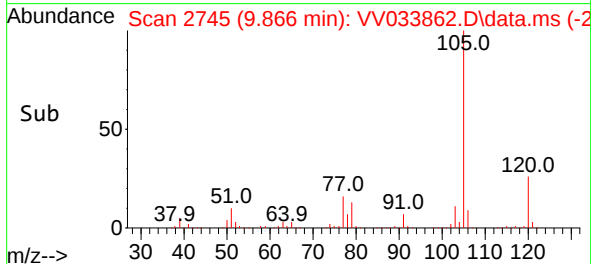
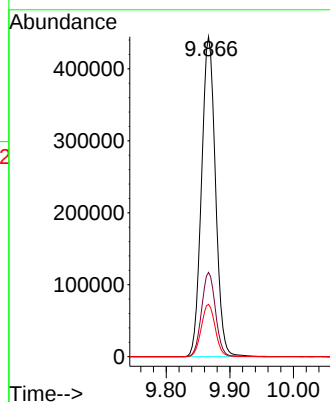


#60
Isopropylbenzene
Concen: 19.207 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

Instrument :
MSVOA_V
ClientSampleId :

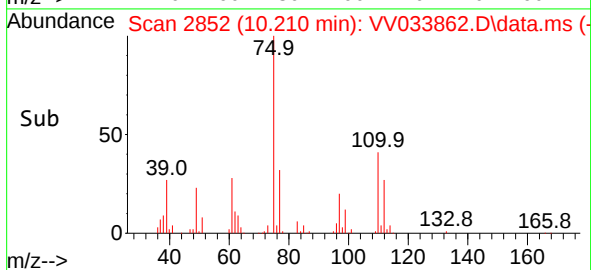
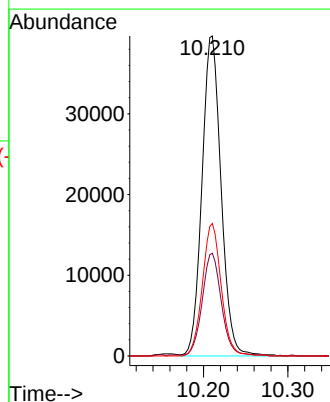
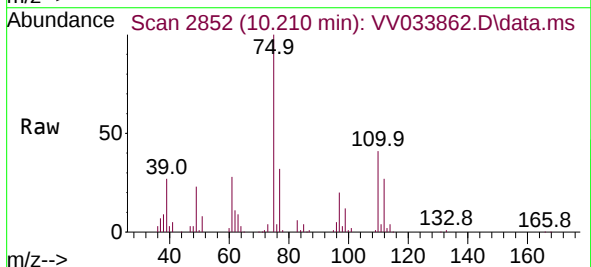


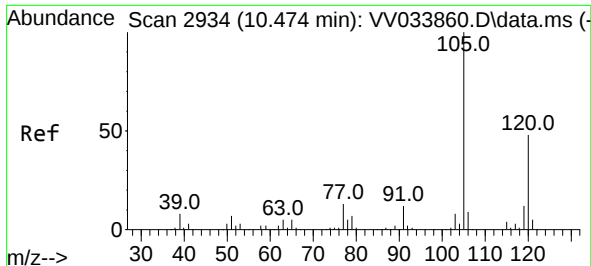
Tgt Ion:105 Resp: 677010
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 17.842 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

Tgt Ion: 75 Resp: 62660
Ion Ratio Lower Upper
75 100
77 32.6 26.9 40.3
110 40.8 33.3 49.9

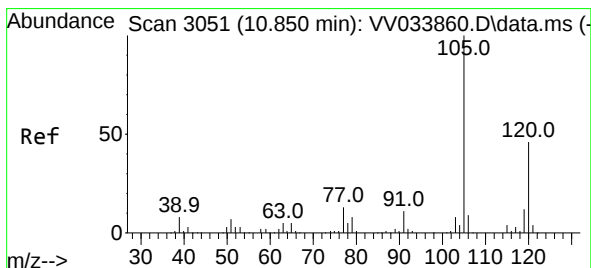
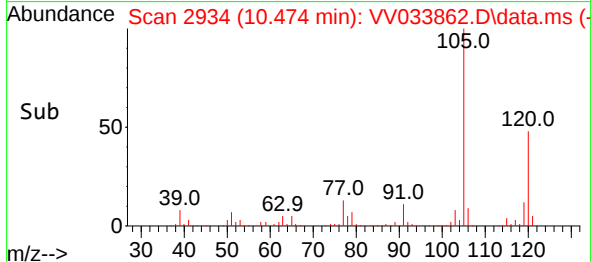
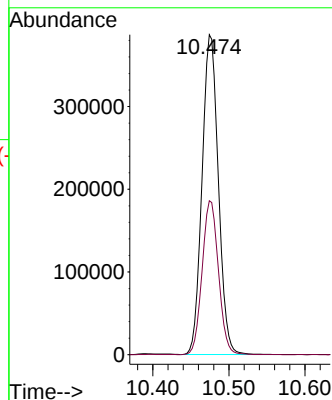
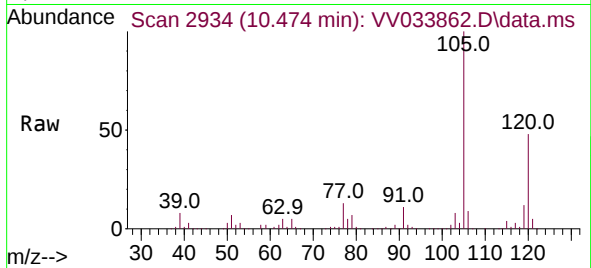




#62
1,3,5-Trimethylbenzene
Concen: 19.084 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. -0.000 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

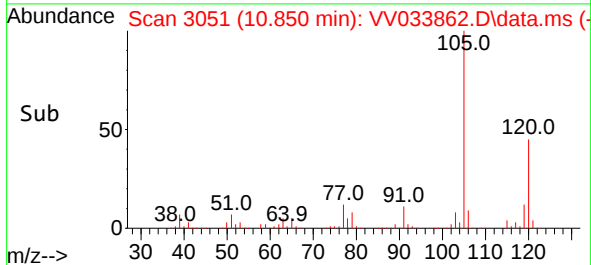
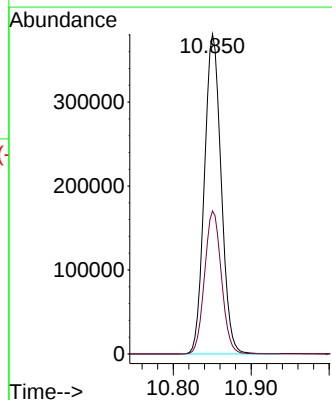
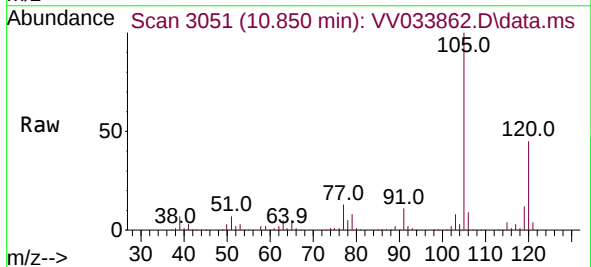
Instrument :
MSVOA_V
ClientSampleId :

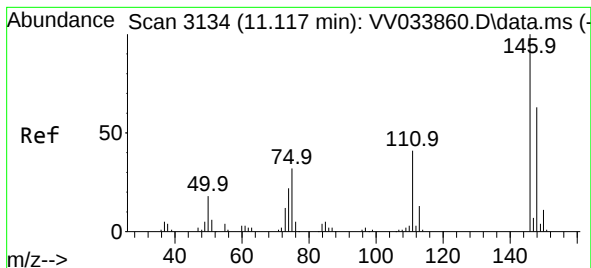
Tgt Ion:105 Resp: 575561
Ion Ratio Lower Upper
105 100
120 48.2 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 18.783 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

Tgt Ion:105 Resp: 568211
Ion Ratio Lower Upper
105 100
120 44.9 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 19.251 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :

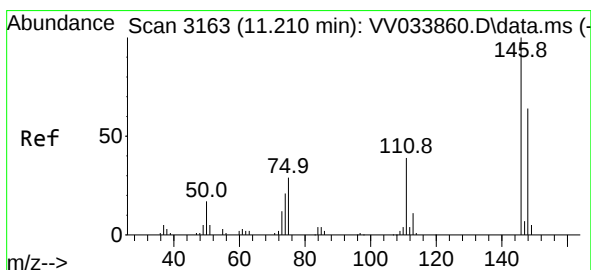
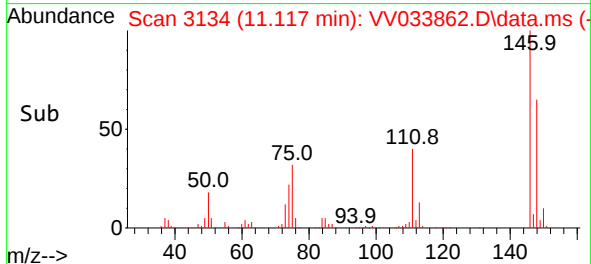
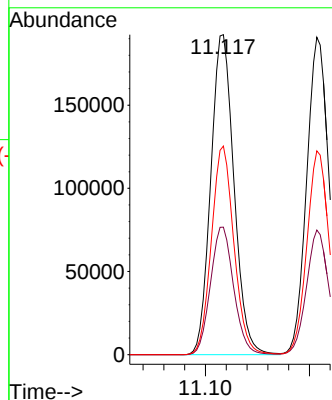
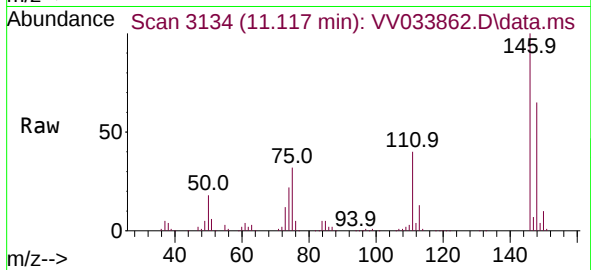
Tgt Ion:146 Resp: 298049

Ion Ratio Lower Upper

146 100

111 39.8 28.5 52.9

148 65.2 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 19.062 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

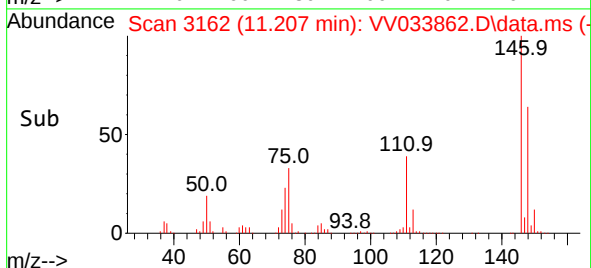
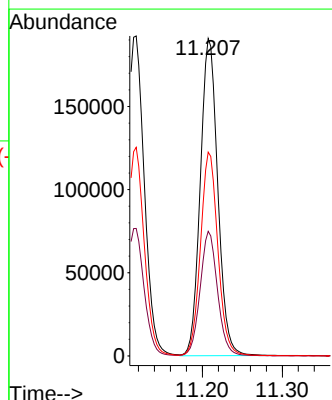
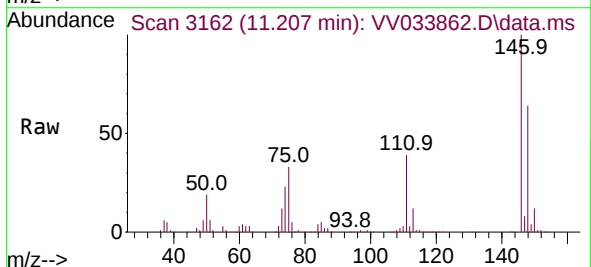
Tgt Ion:146 Resp: 290265

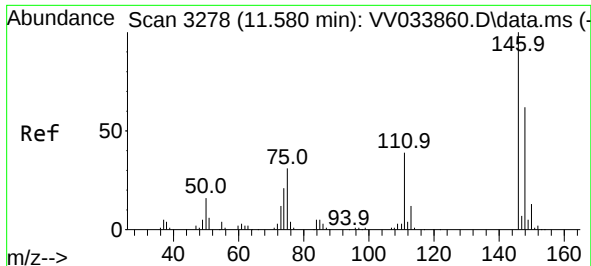
Ion Ratio Lower Upper

146 100

111 39.3 27.6 51.4

148 64.2 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 18.890 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :

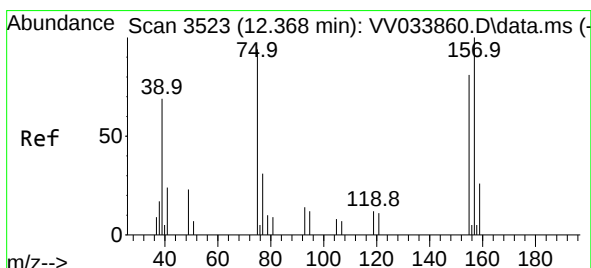
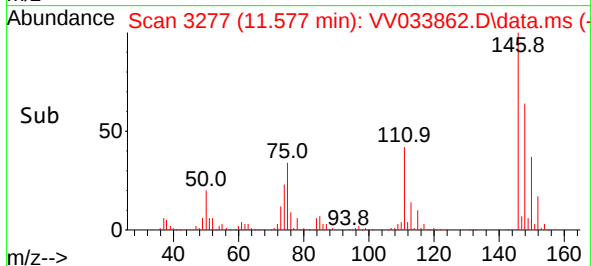
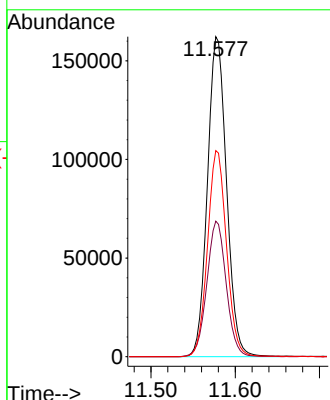
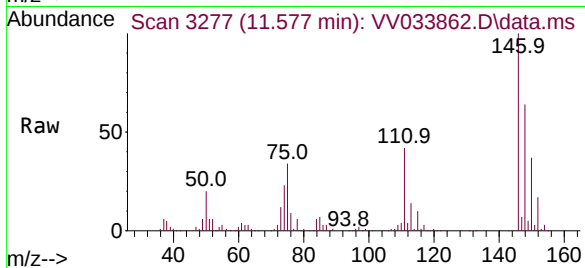
Tgt Ion:146 Resp: 255609

Ion Ratio Lower Upper

146 100

111 42.4 31.2 46.8

148 64.4 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 20.655 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.003 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

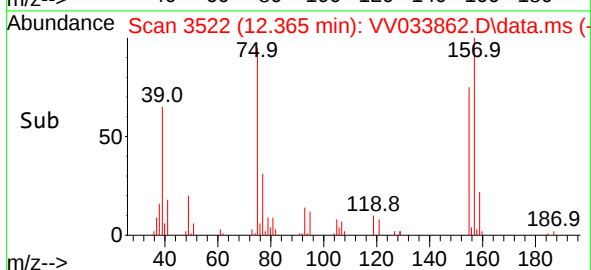
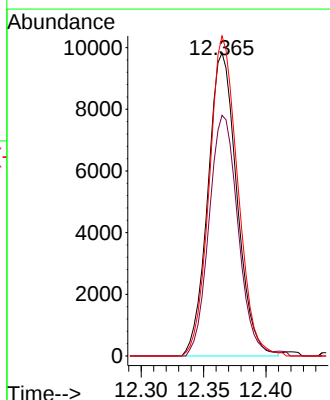
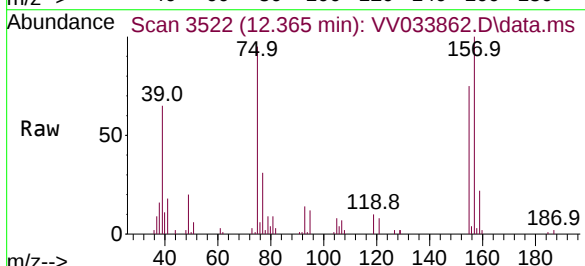
Tgt Ion: 75 Resp: 15933

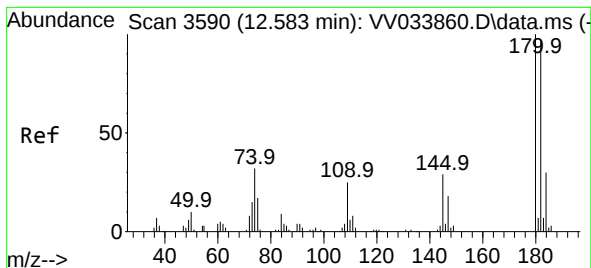
Ion Ratio Lower Upper

75 100

155 79.5 68.9 103.3

157 105.6 84.6 127.0





#69

1,3,5-Trichlorobenzene

Concen: 19.920 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

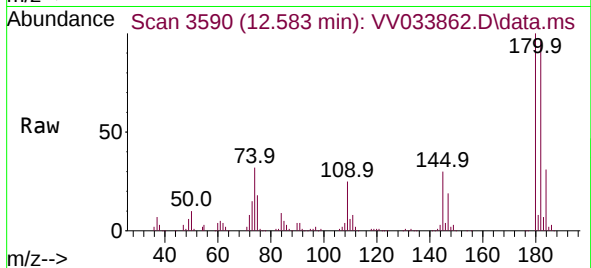
Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 240793

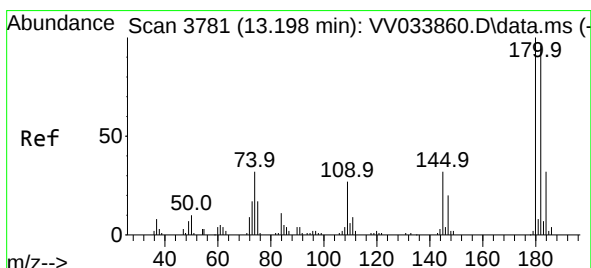
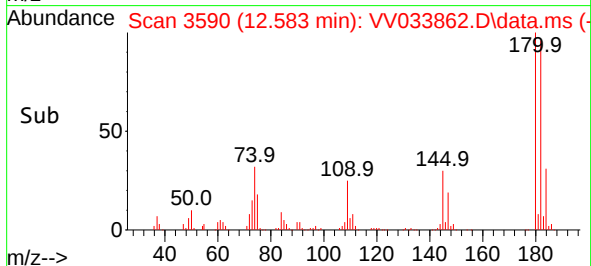
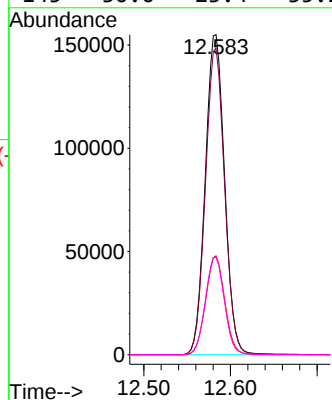
Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

184 30.3 23.8 35.6

145 30.0 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 19.484 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033862.D

Acq: 25 Jan 2024 10:45

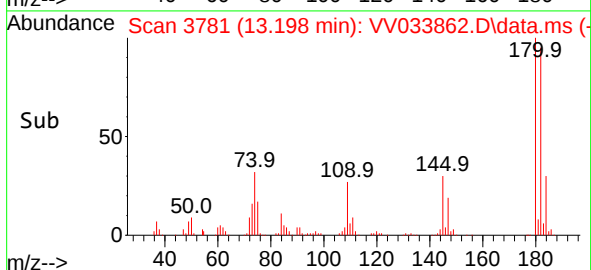
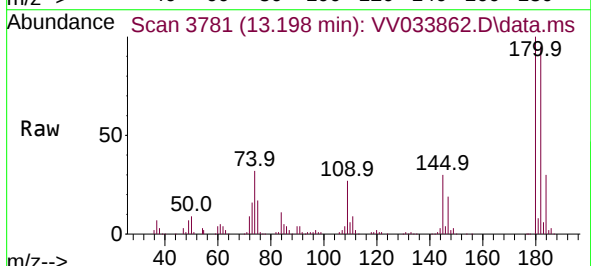
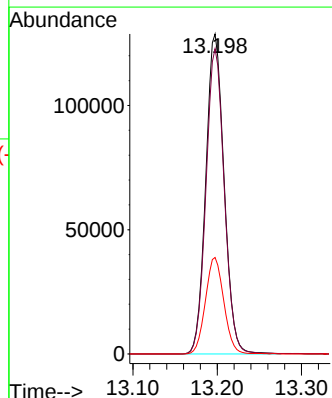
Tgt Ion:180 Resp: 195048

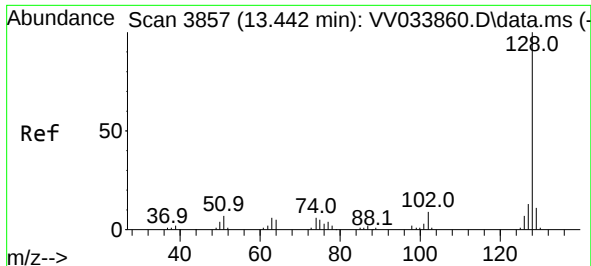
Ion Ratio Lower Upper

180 100

182 95.2 76.8 115.2

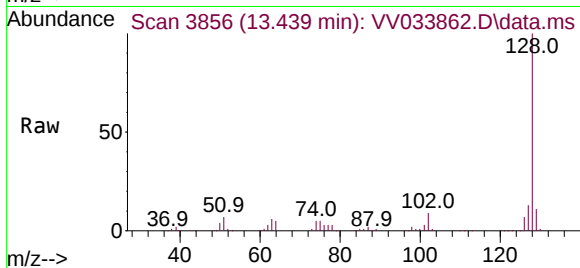
145 30.3 24.8 37.2



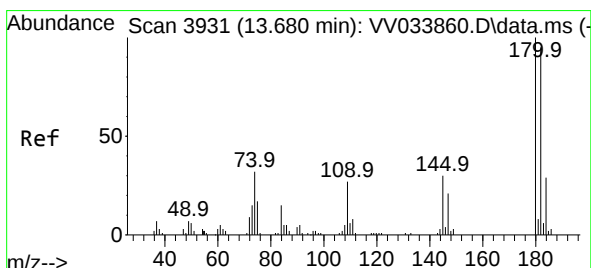
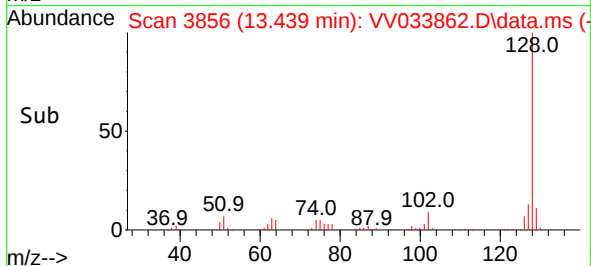
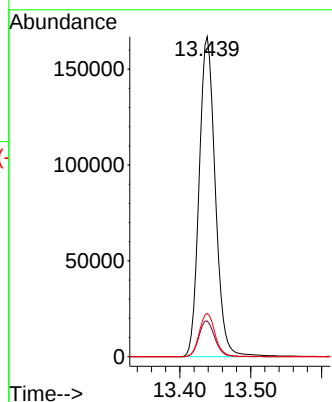


#71
Naphthalene
Concen: 15.652 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. -0.003 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 264049
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.3 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 19.470 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV033862.D
Acq: 25 Jan 2024 10:45

Tgt Ion:180 Resp: 158532
Ion Ratio Lower Upper
180 100
182 96.0 75.0 112.6
145 32.1 25.2 37.8

