

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012424\
 Data File : VW033841.D
 Acq On : 24 Jan 2024 09:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 25 00:52:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 24 02:00:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	217335	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	199052	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	104165	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	85104	50.951	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 101.900%	
7) Chloroethane-d5	1.529	69	64304	48.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 97.220%	
11) 1,1-Dichloroethene-d2	2.060	65	37274	51.852	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 103.700%	
21) 2-Butanone-d5	3.783	46	81918	71.501	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 71.500%	
24) Chloroform-d	4.246	84	137638	46.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 92.160%	
26) 1,2-Dichloroethane-d4	4.937	65	90698	46.999	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 94.000%	
32) Benzene-d6	4.957	84	264067	46.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 93.320%	
36) 1,2-Dichloropropane-d6	5.986	67	79187	42.511	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 85.020%	
41) Toluene-d8	7.240	98	246649	48.375	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 96.740%	
43) trans-1,3-Dichloroprop...	7.551	79	42641	46.319	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 92.640%	
47) 2-Hexanone-d5	8.021	63	58495	75.706	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 75.710%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	93101	39.151	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 78.300%	
66) 1,2-Dichlorobenzene-d4	11.561	152	93155	47.136	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 94.280%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	82188	45.457	ug/L	99
3) Chloromethane	1.217	50	88624	43.106	ug/L	99
5) Vinyl chloride	1.285	62	92153	46.853	ug/L	100
6) Bromomethane	1.481	94	46237	44.980	ug/L	100
8) Chloroethane	1.545	64	57394	48.936	ug/L	97
9) Trichlorofluoromethane	1.712	101	138862	59.163	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	77645	56.150	ug/L	96
12) 1,1-Dichloroethene	2.069	96	73060	56.013	ug/L	95
13) Acetone	2.111	43	119226	108.841	ug/L	100
14) Carbon disulfide	2.240	76	209822	47.330	ug/L	99
15) Methyl Acetate	2.372	43	73955	41.287	ug/L #	100
16) Methylene chloride	2.446	84	76986	48.382	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	70146	48.144	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	253166	48.312	ug/L	99
19) 1,1-Dichloroethane	3.111	63	140738	47.248	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	78943	48.683	ug/L	95
22) 2-Butanone	3.864	43	114155	85.804	ug/L	99
23) Bromochloromethane	4.143	128	40495	51.405	ug/L	86
25) Chloroform	4.272	83	142004	50.281	ug/L	99

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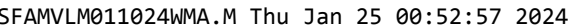
Instrument :
 MSVOA_V
 ClientSampleId :

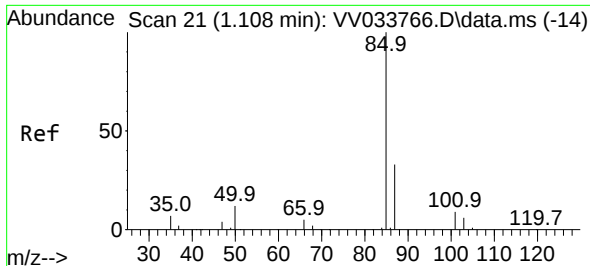
Quant Time: Jan 25 00:52:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 24 02:00:55 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	119277	50.564	ug/L	99
29) Cyclohexane	4.580	56	129025	45.979	ug/L	95
30) 1,1,1-Trichloroethane	4.510	97	130089	54.459	ug/L	98
31) Carbon tetrachloride	4.732	117	117564	57.659	ug/L	98
33) Benzene	5.008	78	294375	50.351	ug/L	100
34) Trichloroethene	5.831	95	78720	50.195	ug/L	98
35) Methylcyclohexane	6.047	83	131014	48.815	ug/L	97
37) 1,2-Dichloropropane	6.092	63	76543	47.577	ug/L	98
38) Bromodichloromethane	6.429	83	107281	50.973	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	128309	47.759	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	198546	83.288	ug/L	97
42) Toluene	7.314	91	313369	50.705	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	120888	48.829	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	71845	49.218	ug/L	98
46) Tetrachloroethene	7.902	164	62083	53.971	ug/L	97
48) 2-Hexanone	8.072	43	163973	86.325	ug/L	98
49) Dibromochloromethane	8.175	129	78117	51.382	ug/L	100
50) 1,2-Dibromoethane	8.281	107	74935	48.576	ug/L	98
51) Chlorobenzene	8.812	112	200486	50.927	ug/L	98
52) Ethylbenzene	8.944	91	355316	49.638	ug/L	100
53) m,p-Xylene	9.072	106	134973	51.074	ug/L	96
54) o-Xylene	9.477	106	132265	50.555	ug/L	99
55) Styrene	9.493	104	226936	50.241	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	103368	44.496	ug/L	99
59) Bromoform	9.664	173	54855	49.549	ug/L	96
60) Isopropylbenzene	9.866	105	364997	51.790	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	81445	44.056	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	308221	50.971	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	304794	50.587	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	163396	51.327	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	164236	51.452	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	159884	51.401	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	22808	42.754	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	126412	53.737	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	114758	53.747	ug/L	98
71) Naphthalene	13.439	128	245032	43.918	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	106188	53.283	ug/L	99

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

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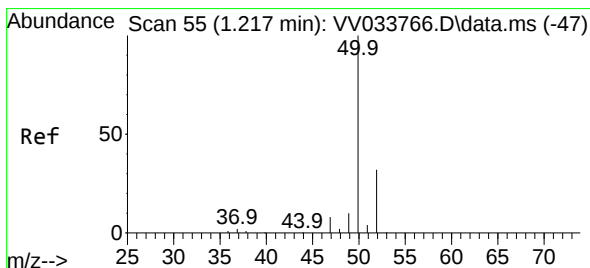
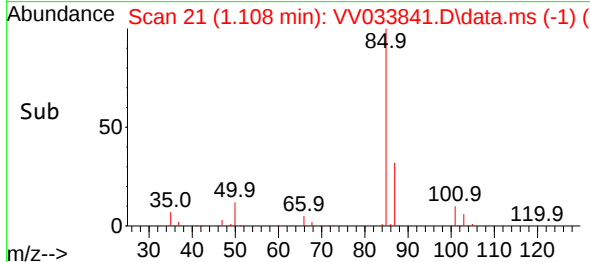
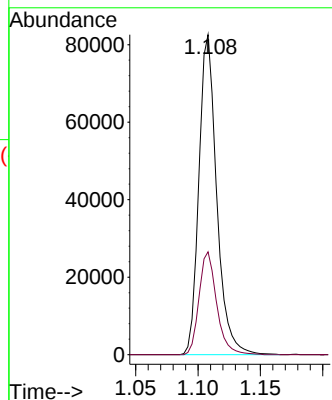
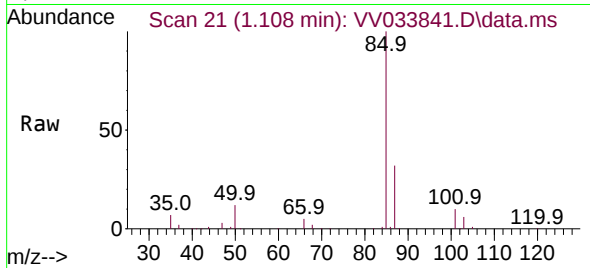




#2
 Dichlorodifluoromethane
 Concen: 45.457 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV033841.D
 Acq: 24 Jan 2024 09:02

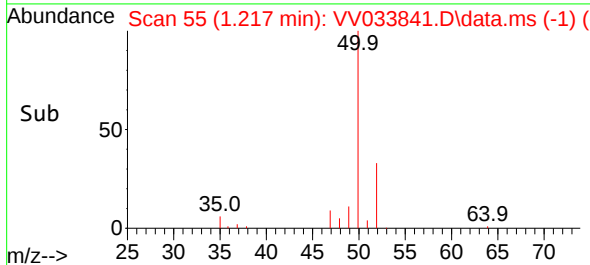
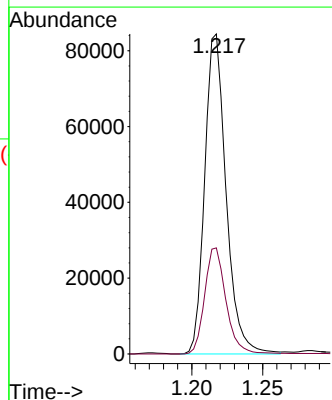
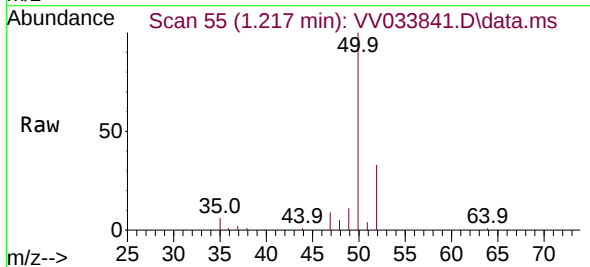
Instrument :
 MSVOA_V
 ClientSampleId :

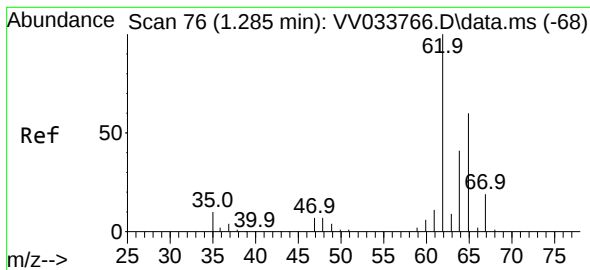
Tgt Ion: 85 Resp: 82188
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.8 38.6



#3
 Chloromethane
 Concen: 43.106 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV033841.D
 Acq: 24 Jan 2024 09:02

Tgt Ion: 50 Resp: 88624
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.8 42.4

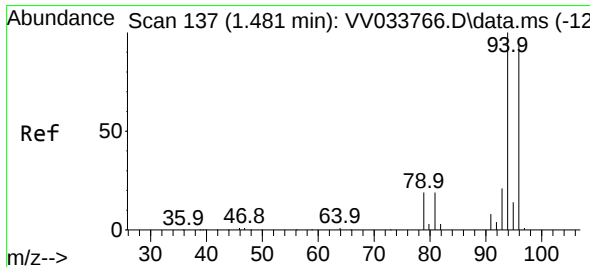
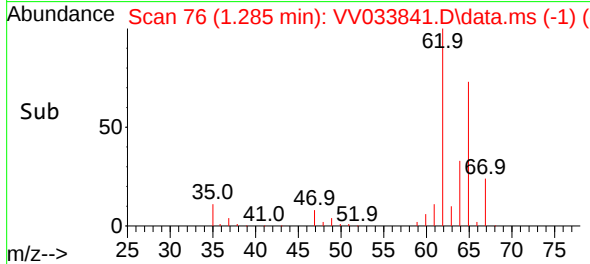
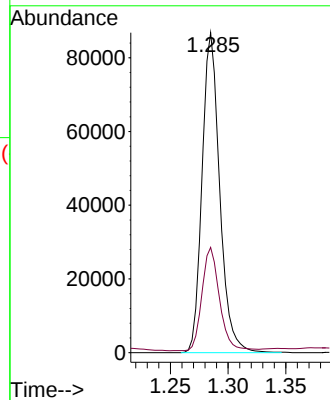
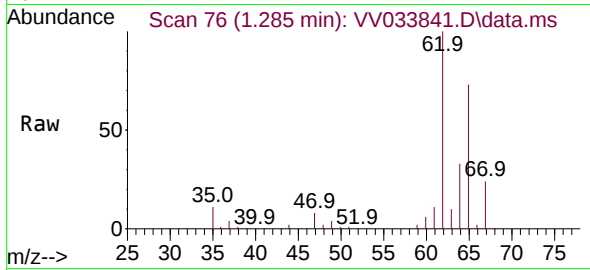




#5
 Vinyl chloride
 Concen: 46.853 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033841.D
 Acq: 24 Jan 2024 09:02

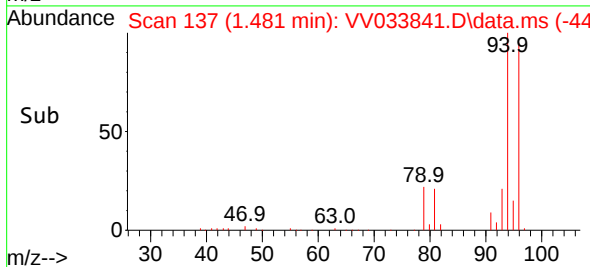
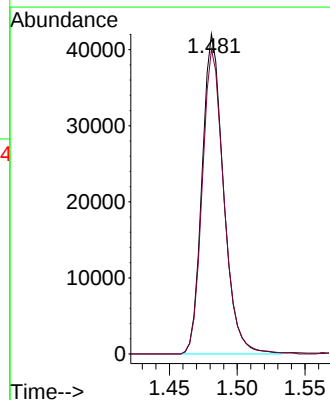
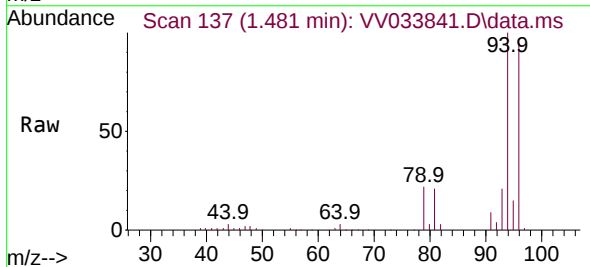
Instrument :
 MSVOA_V
 ClientSampleId :

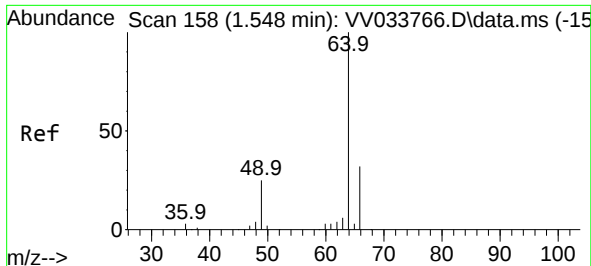
Tgt Ion: 62 Resp: 92153
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.2 43.0



#6
 Bromomethane
 Concen: 44.980 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. 0.000 min
 Lab File: VV033841.D
 Acq: 24 Jan 2024 09:02

Tgt Ion: 94 Resp: 46237
 Ion Ratio Lower Upper
 94 100
 96 95.2 66.4 123.2





#8

Chloroethane

Concen: 48.936 ug/L

RT: 1.545 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

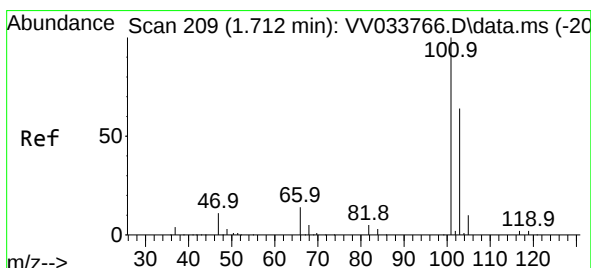
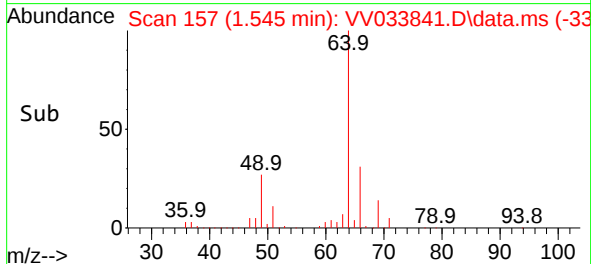
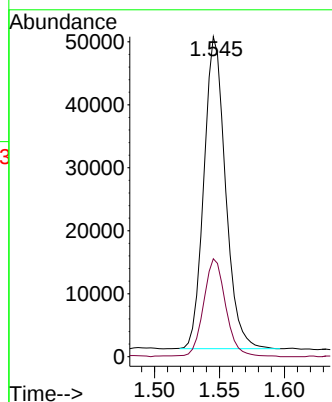
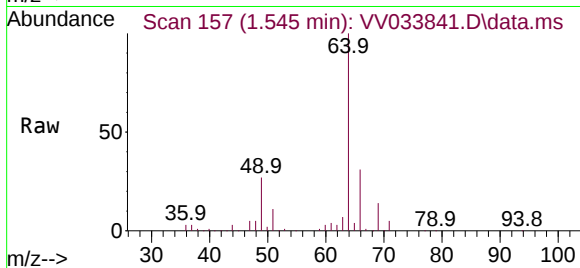
ClientSampleId :

Tgt Ion: 64 Resp: 57394

Ion Ratio Lower Upper

64 100

66 30.6 22.5 41.9



#9

Trichlorofluoromethane

Concen: 59.163 ug/L

RT: 1.712 min Scan# 209

Delta R.T. 0.000 min

Lab File: VV033841.D

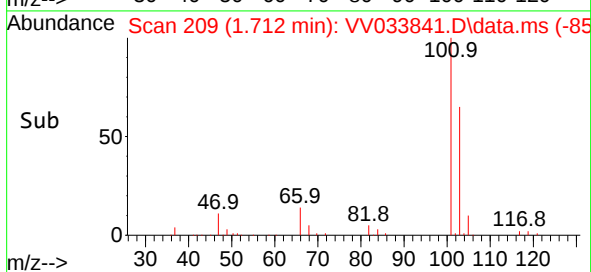
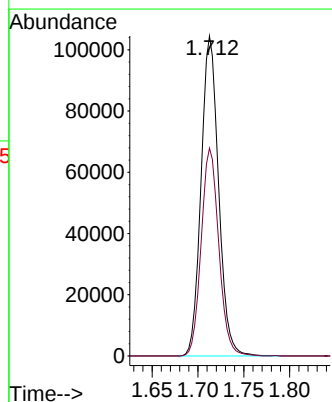
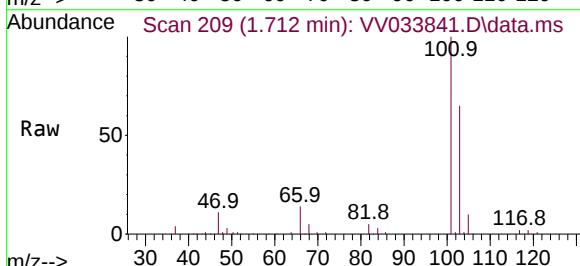
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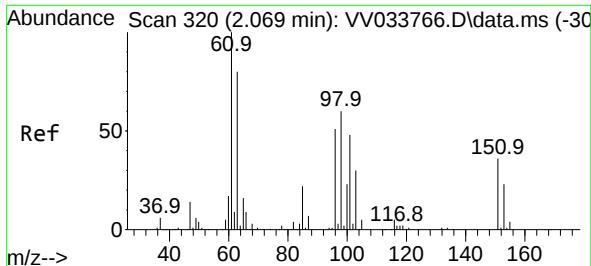
Tgt Ion:101 Resp: 138862

Ion Ratio Lower Upper

101 100

103 65.2 51.3 76.9





#10

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

Concen: 56.150 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033841.D

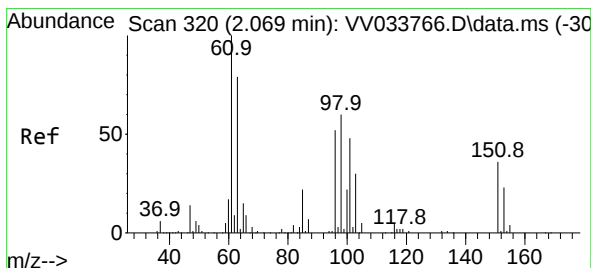
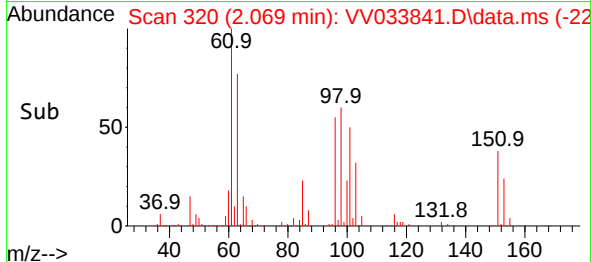
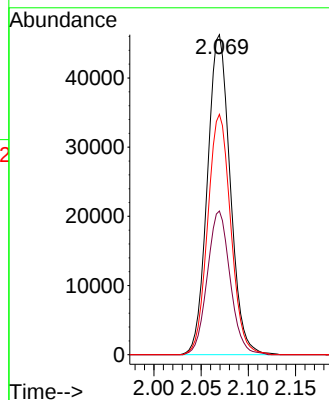
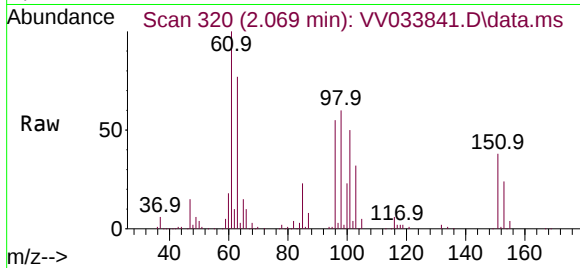
Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	101	Resp:	77645
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.2	54.4
151	75.8	56.5	84.7



#12

1,1-Dichloroethene

Concen: 56.013 ug/L

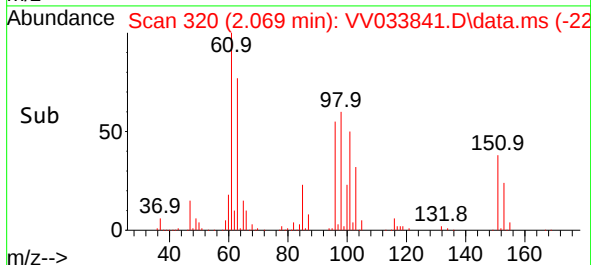
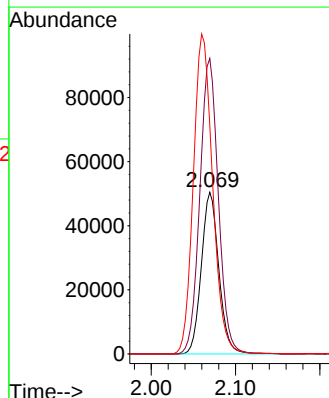
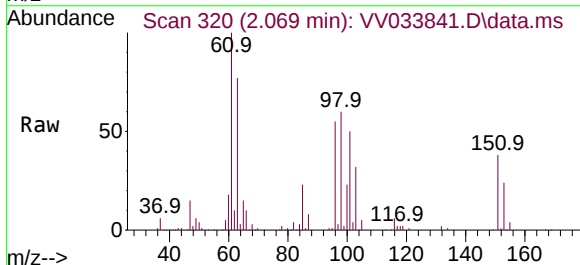
RT: 2.069 min Scan# 320

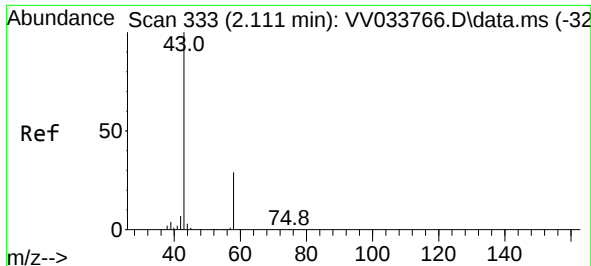
Delta R.T. 0.000 min

Lab File: VV033841.D

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Tgt Ion:	96	Resp:	73060
Ion Ratio	Lower	Upper	
96	100		
61	182.8	134.0	248.8
63	141.4	103.4	192.0





#13

Acetone

Concen: 108.841 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

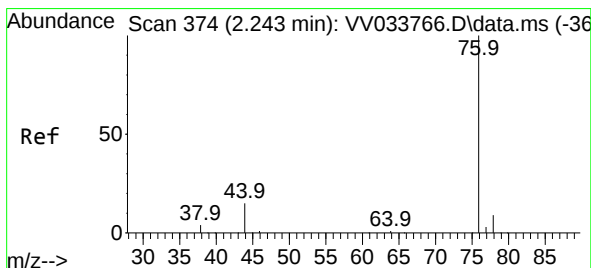
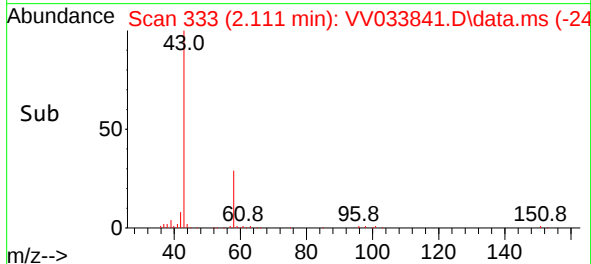
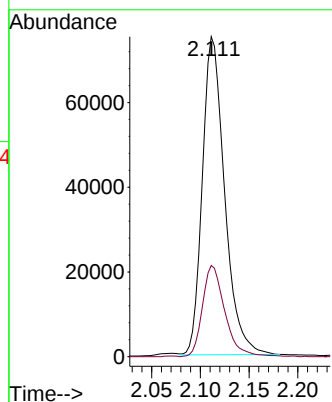
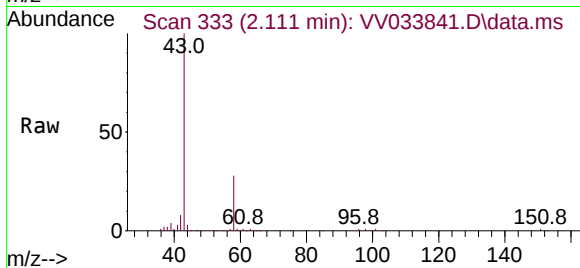
ClientSampleId :

Tgt Ion: 43 Resp: 119226

Ion Ratio Lower Upper

43 100

58 28.8 0.0 57.2



#14

Carbon disulfide

Concen: 47.330 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033841.D

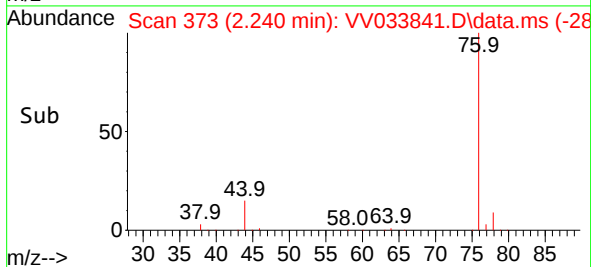
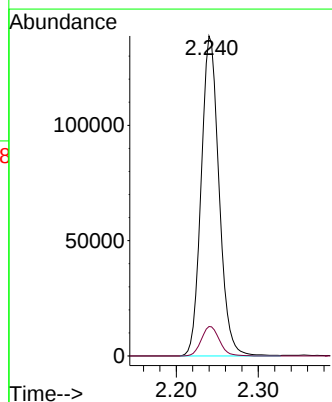
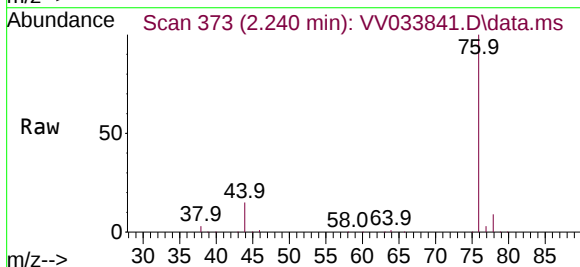
Acq: 24 Jan 2024 09:02

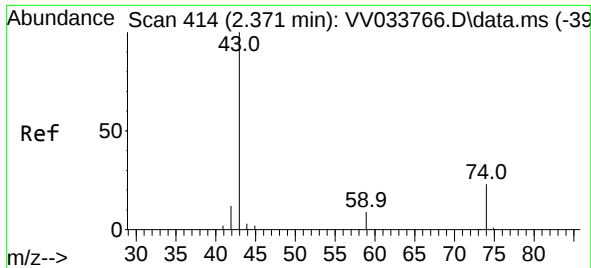
Tgt Ion: 76 Resp: 209822

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

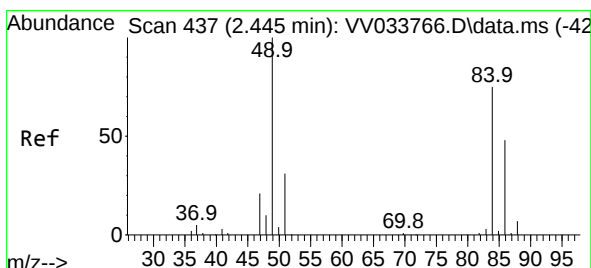
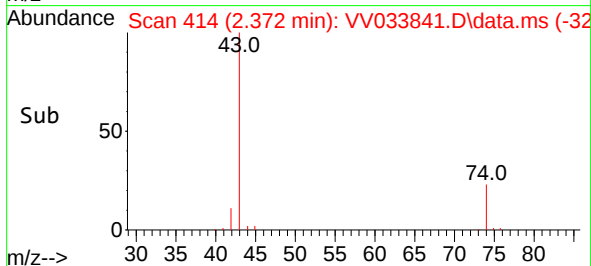
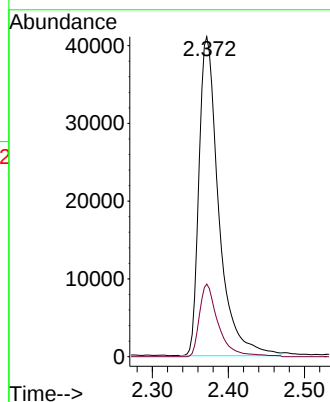
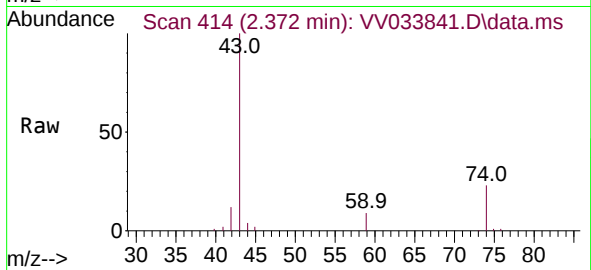




#15
Methyl Acetate
Concen: 41.287 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

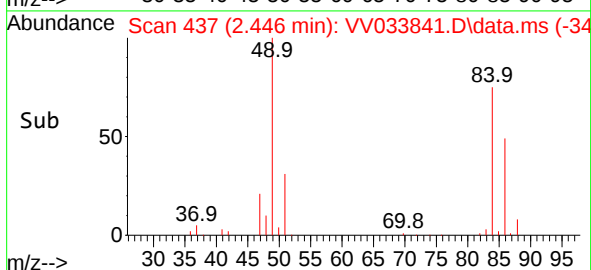
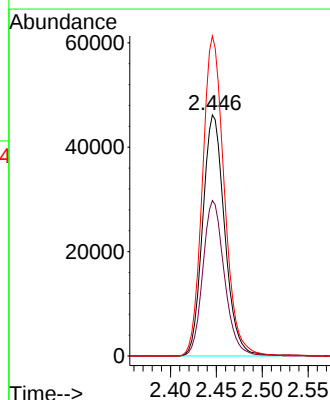
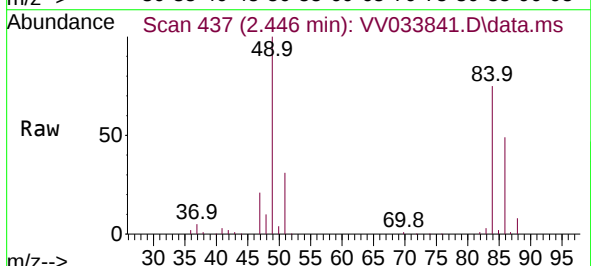
Instrument :
MSVOA_V
ClientSampleId :

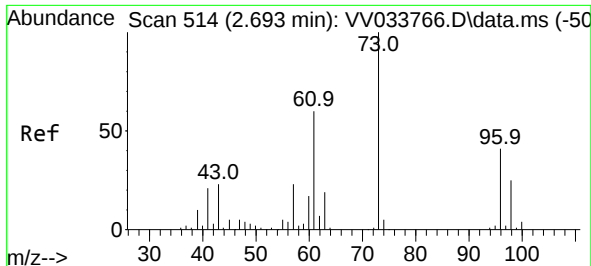
Tgt Ion: 43 Resp: 73955
Ion Ratio Lower Upper
43 100
74 21.8 0.0 0.0#



#16
Methylene chloride
Concen: 48.382 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Tgt Ion: 84 Resp: 76986
Ion Ratio Lower Upper
84 100
86 64.4 43.9 81.5
49 132.7 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 48.144 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

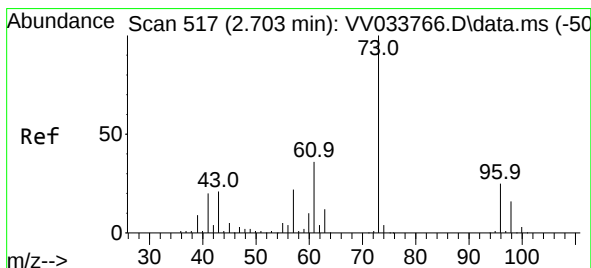
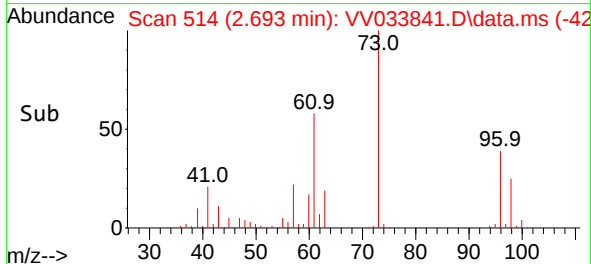
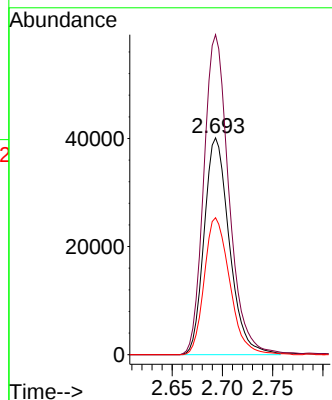
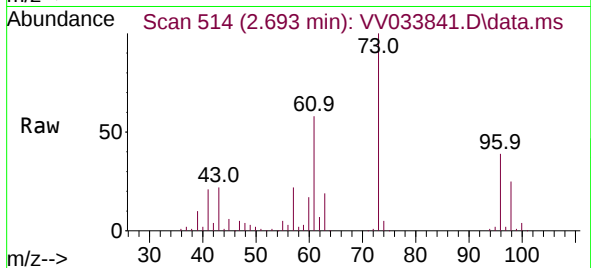
Tgt Ion: 96 Resp: 70146

Ion Ratio Lower Upper

96 100

61 147.6 108.4 201.4

98 63.2 43.8 81.4



#18

Methyl tert-butyl Ether

Concen: 48.312 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

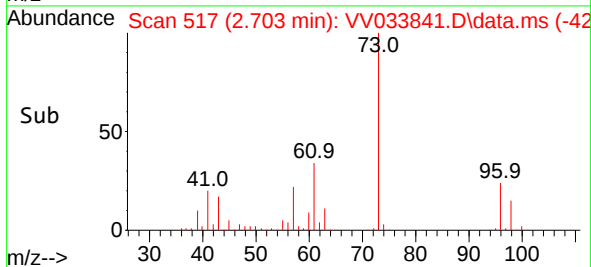
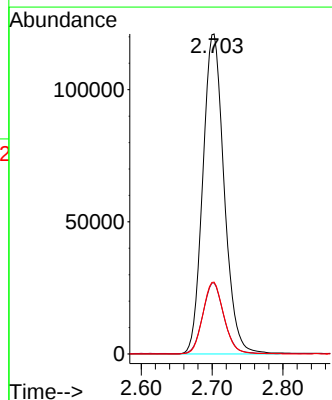
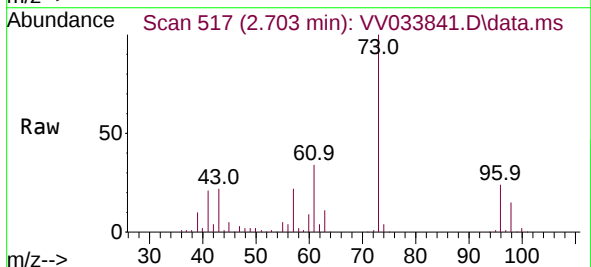
Tgt Ion: 73 Resp: 253166

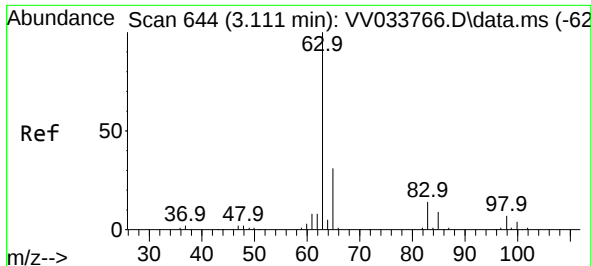
Ion Ratio Lower Upper

73 100

43 21.8 17.4 26.2

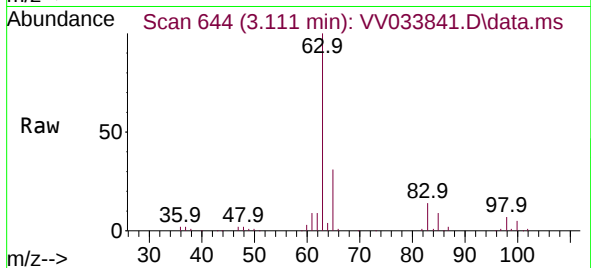
57 22.1 18.6 27.8



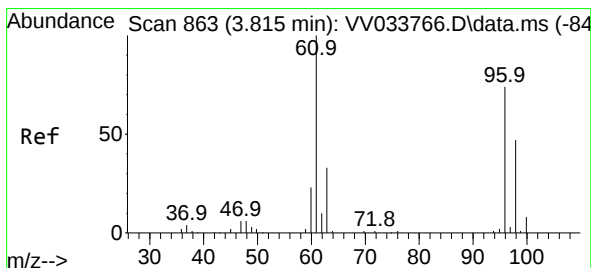
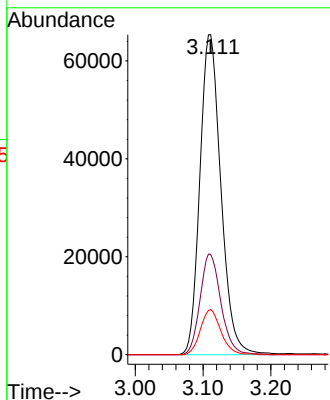
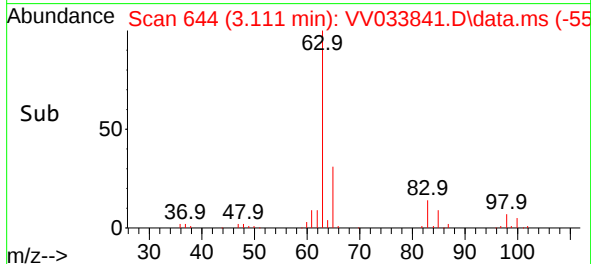


#19
1,1-Dichloroethane
Concen: 47.248 ug/L
RT: 3.111 min Scan# 64
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

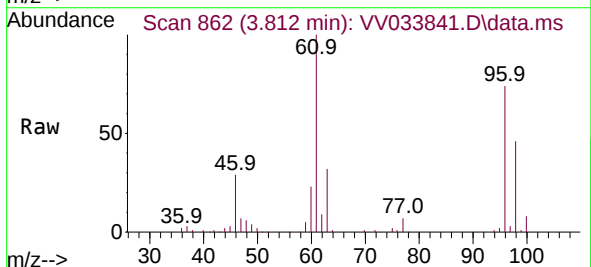
Instrument :
MSVOA_V
ClientSampleId :



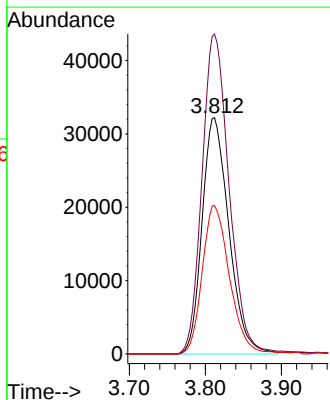
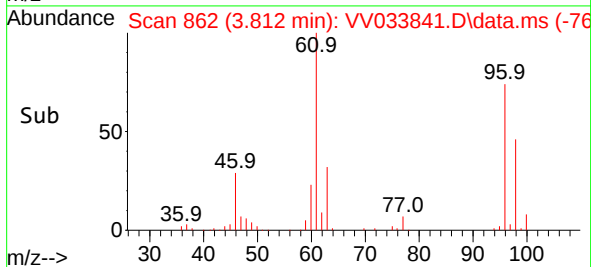
Tgt Ion: 63 Resp: 140738
Ion Ratio Lower Upper
63 100
65 31.4 22.4 41.6
83 14.1 8.9 16.5

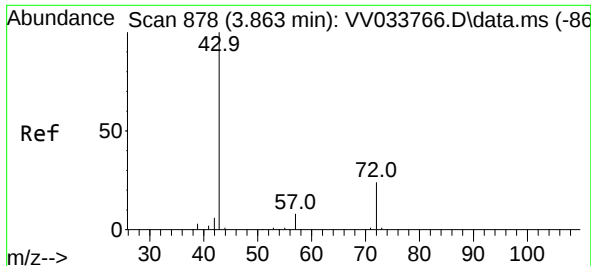


#20
cis-1,2-Dichloroethene
Concen: 48.683 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02



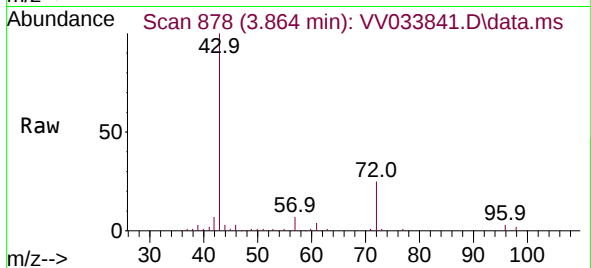
Tgt Ion: 96 Resp: 78943
Ion Ratio Lower Upper
96 100
61 135.4 100.6 186.8
98 62.9 44.6 82.8



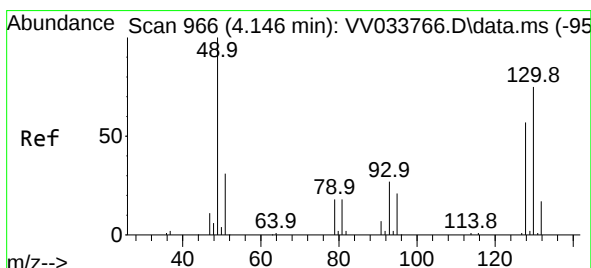
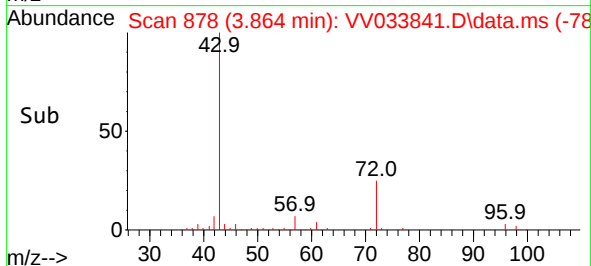
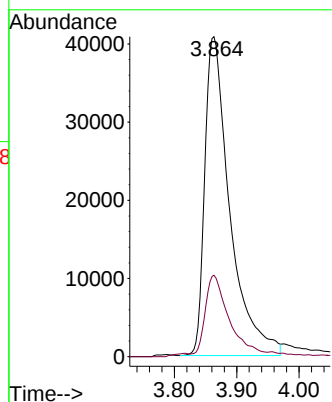


#22
2-Butanone
Concen: 85.804 ug/L
RT: 3.864 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Instrument :
MSVOA_V
ClientSampleId :

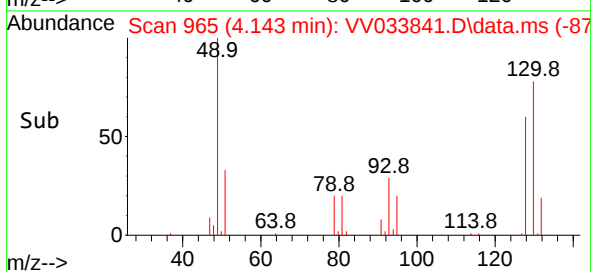
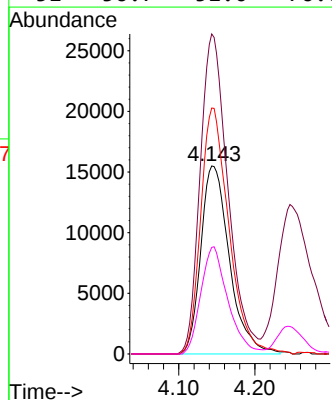
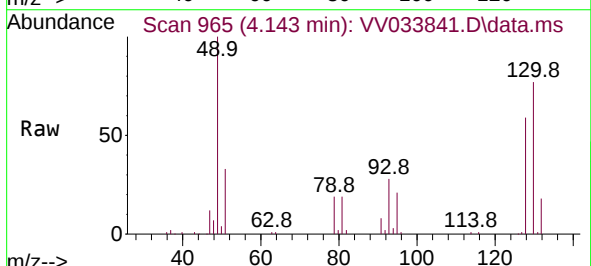


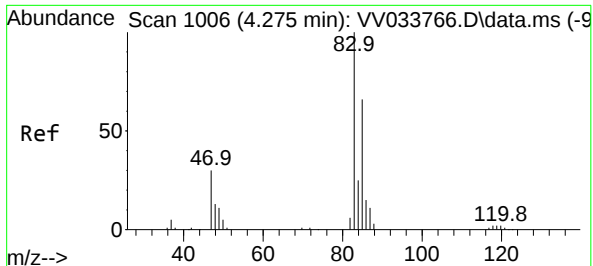
Tgt Ion: 43 Resp: 114155
Ion Ratio Lower Upper
43 100
72 23.1 11.9 35.5



#23
Bromochloromethane
Concen: 51.405 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.003 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Tgt Ion:128 Resp: 40495
Ion Ratio Lower Upper
128 100
49 170.2 143.9 267.2
130 130.9 90.6 168.2
51 56.7 51.0 76.6





#25

Chloroform

Concen: 50.281 ug/L

RT: 4.272 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

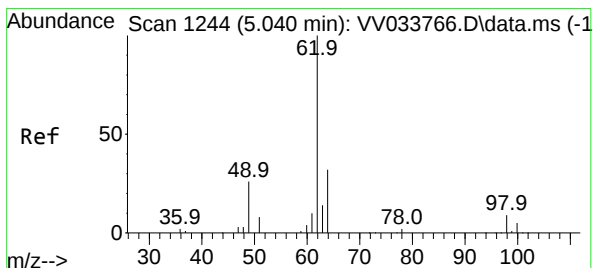
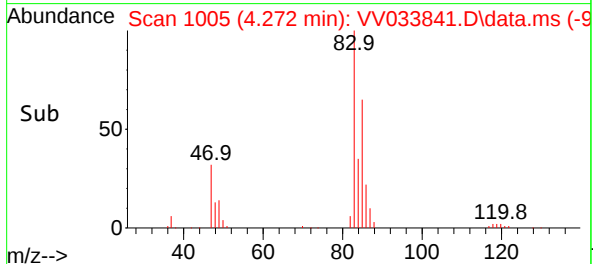
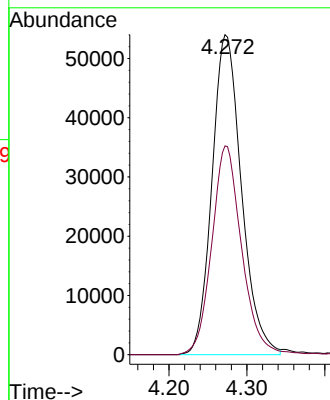
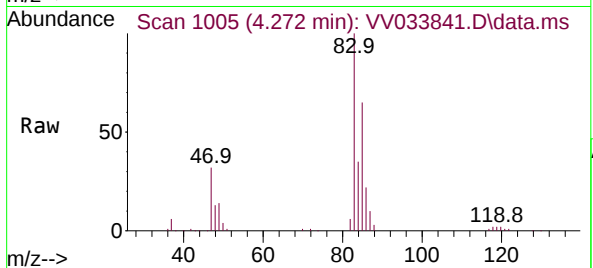
ClientSampleId :

Tgt Ion: 83 Resp: 142004

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.9



#27

1,2-Dichloroethane

Concen: 50.564 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV033841.D

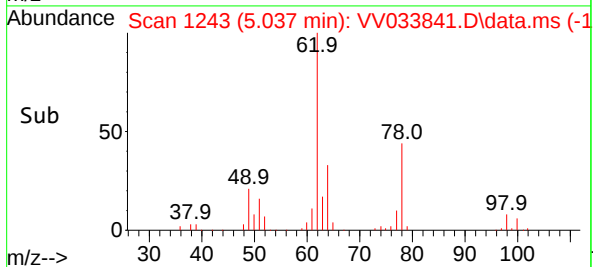
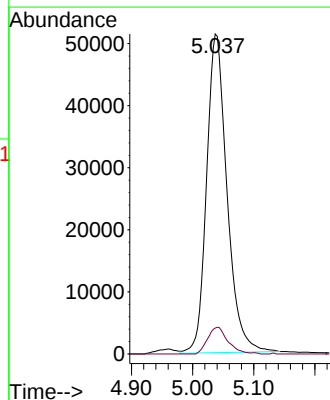
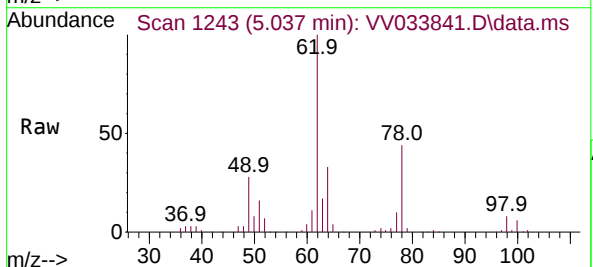
Acq: 24 Jan 2024 09:02

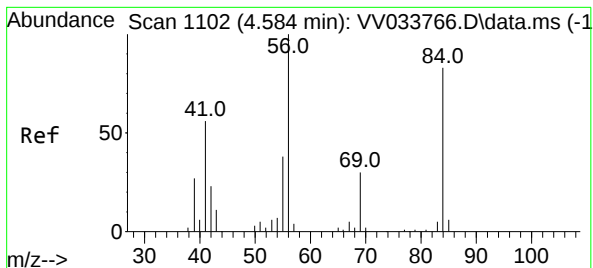
Tgt Ion: 62 Resp: 119277

Ion Ratio Lower Upper

62 100

98 8.1 6.8 10.2





#29

Cyclohexane

Concen: 45.979 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

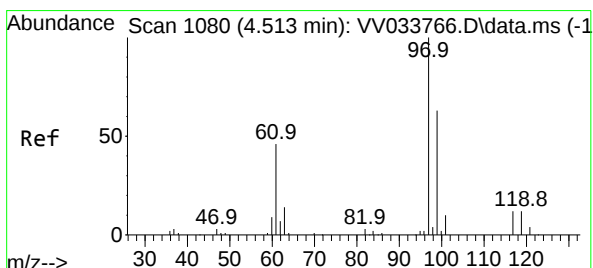
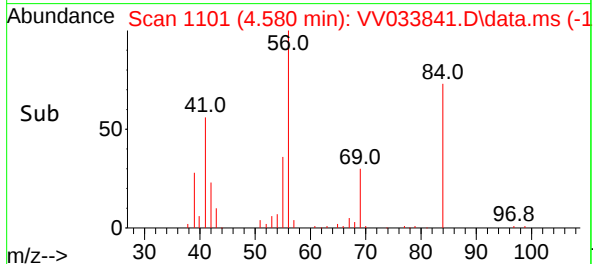
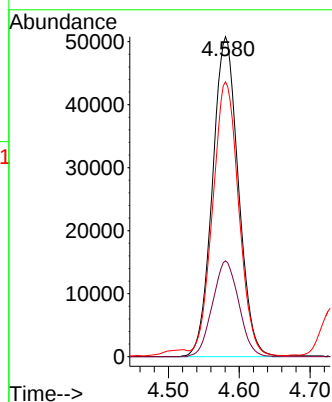
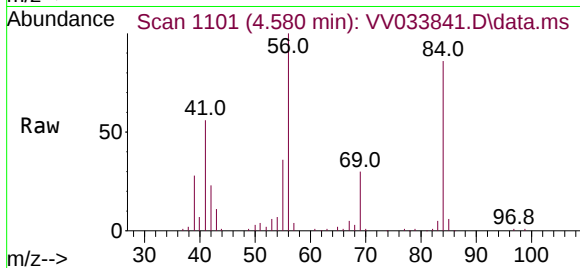
Tgt Ion: 56 Resp: 129025

Ion Ratio Lower Upper

56 100

69 30.3 23.8 35.6

84 85.8 63.8 95.6



#30

1,1,1-Trichloroethane

Concen: 54.459 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

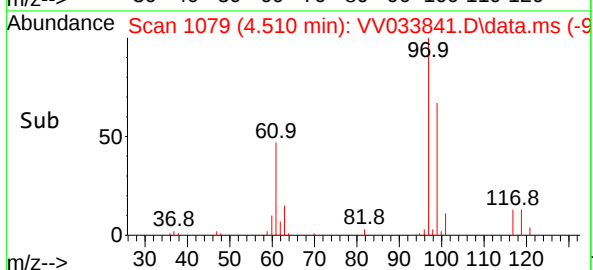
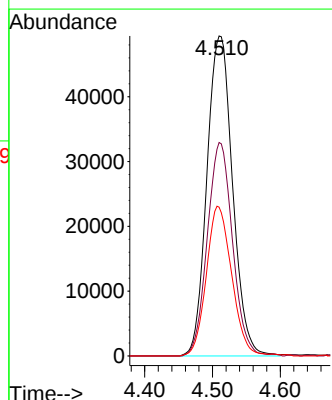
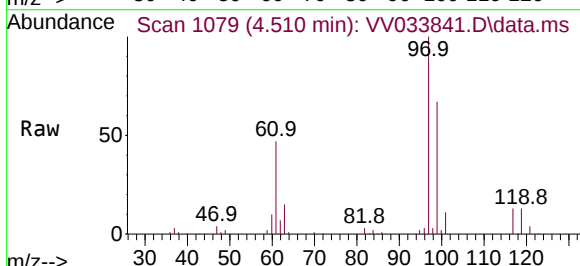
Tgt Ion: 97 Resp: 130089

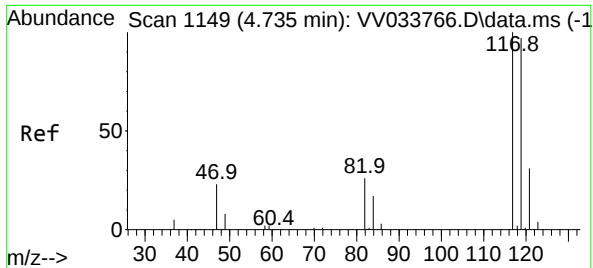
Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.0

61 46.0 38.2 57.2

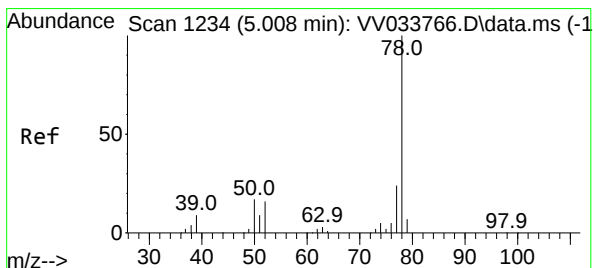
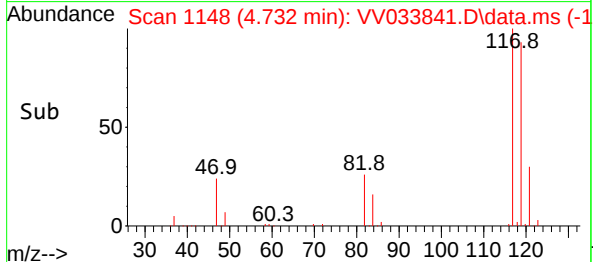
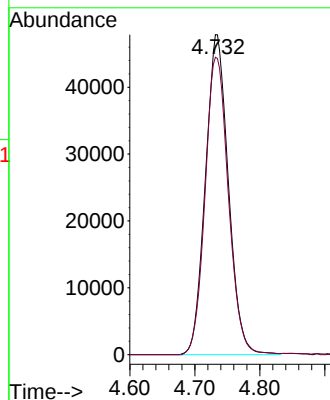
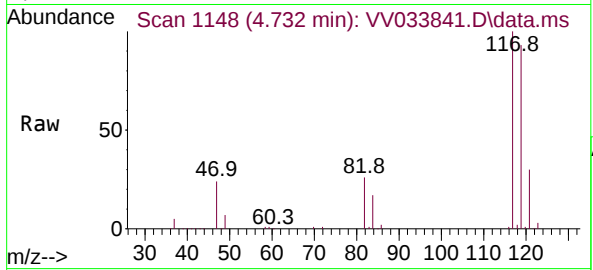




#31
Carbon tetrachloride
Concen: 57.659 ug/L
RT: 4.732 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

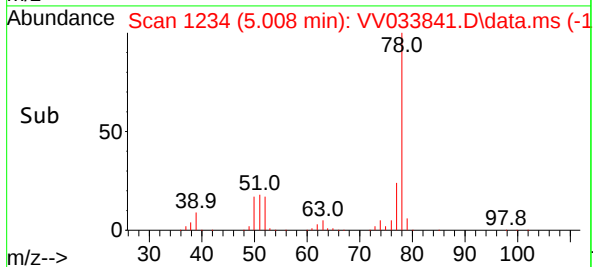
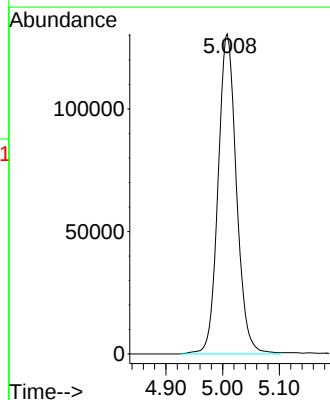
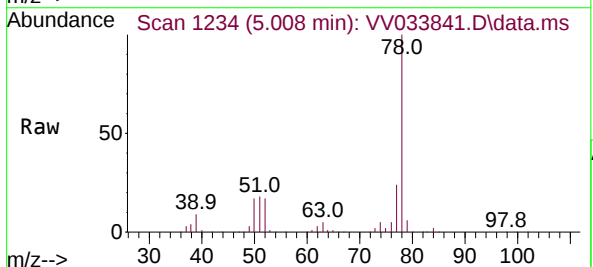
Instrument :
MSVOA_V
ClientSampleId :

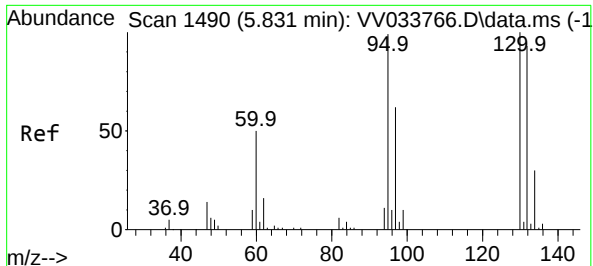
Tgt Ion:117 Resp: 117564
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.4



#33
Benzene
Concen: 50.351 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

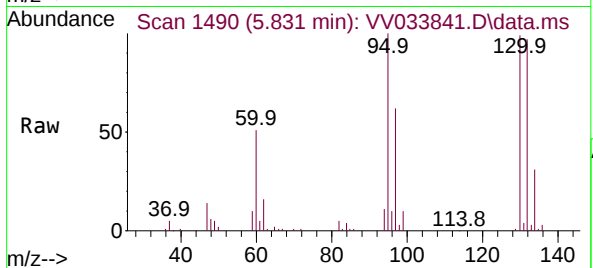
Tgt Ion: 78 Resp: 294375



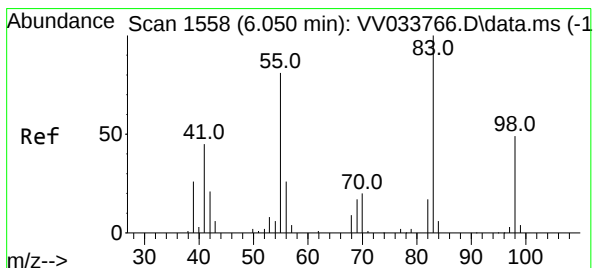
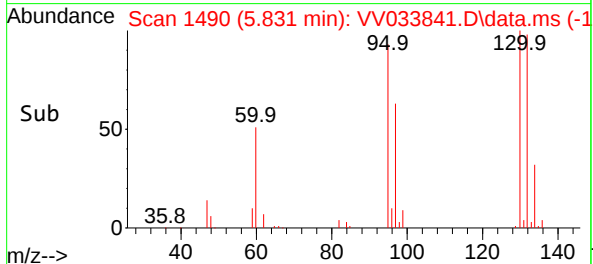
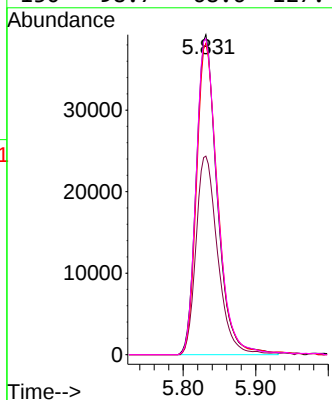


#34
Trichloroethene
Concen: 50.195 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Instrument :
MSVOA_V
ClientSampleId :

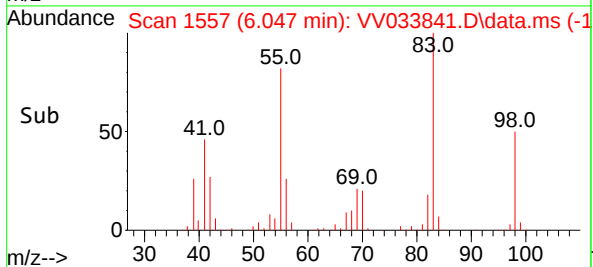
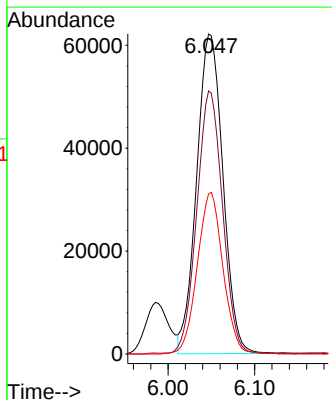
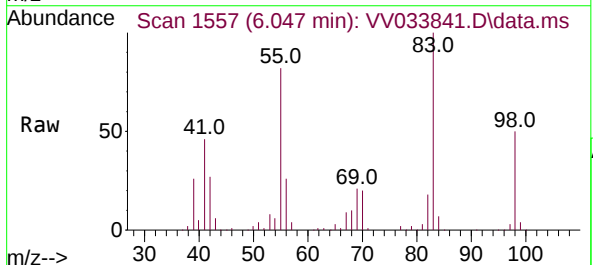


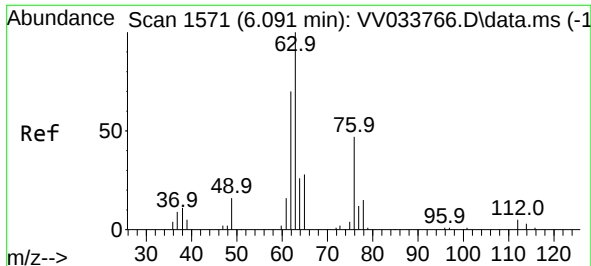
Tgt Ion: 95 Resp: 78720
Ion Ratio Lower Upper
95 100
97 62.1 44.4 82.4
132 97.2 65.5 121.7
130 98.7 68.6 127.4



#35
Methylcyclohexane
Concen: 48.815 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Tgt Ion: 83 Resp: 131014
Ion Ratio Lower Upper
83 100
55 80.8 67.1 100.7
98 49.4 37.7 56.5





#37

1,2-Dichloropropane

Concen: 47.577 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

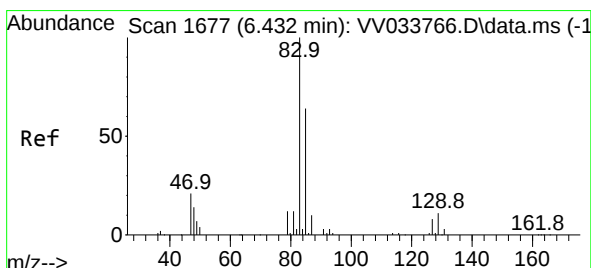
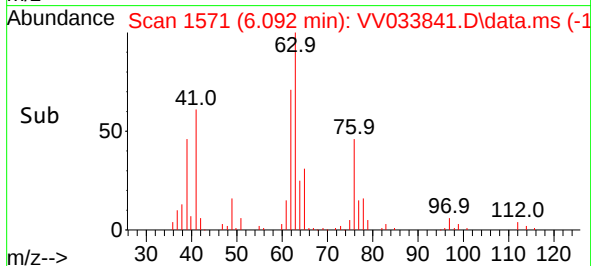
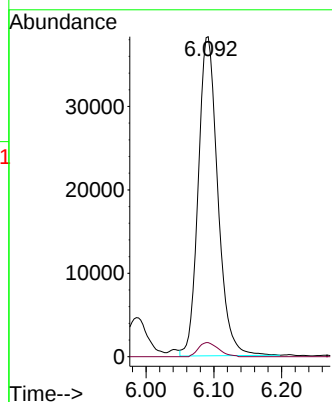
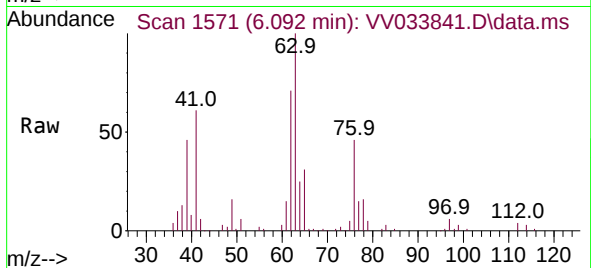
ClientSampleId :

Tgt Ion: 63 Resp: 76543

Ion Ratio Lower Upper

63 100

112 4.6 3.1 4.7



#38

Bromodichloromethane

Concen: 50.973 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

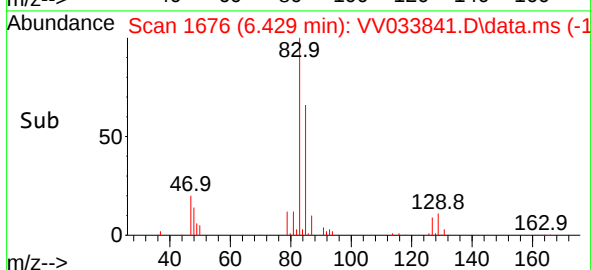
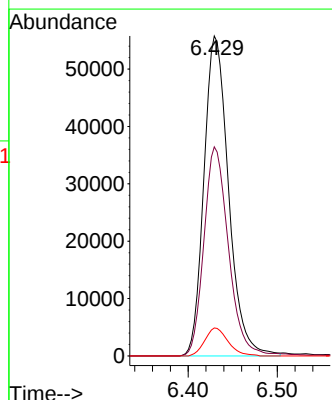
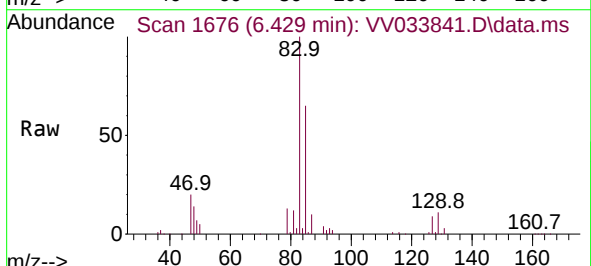
Tgt Ion: 83 Resp: 107281

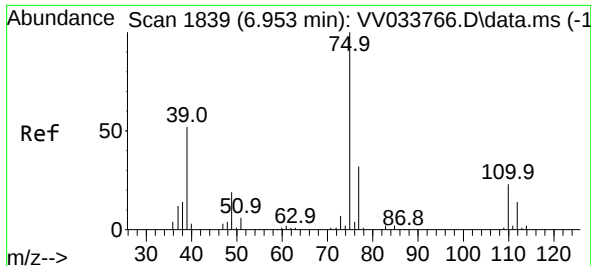
Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7

127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 47.759 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

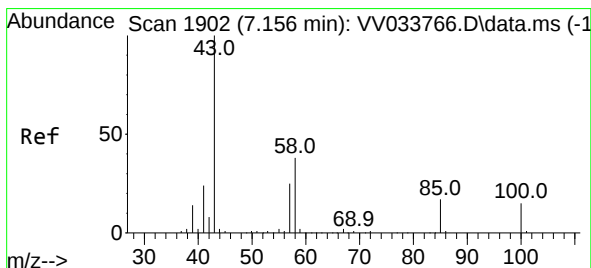
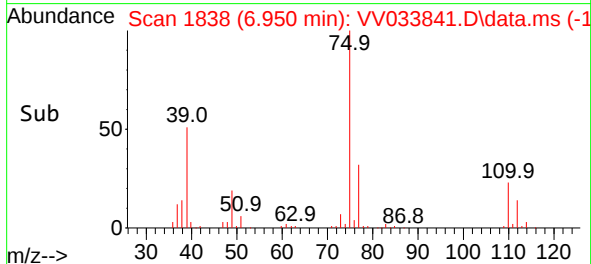
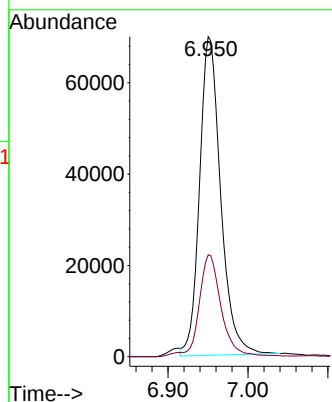
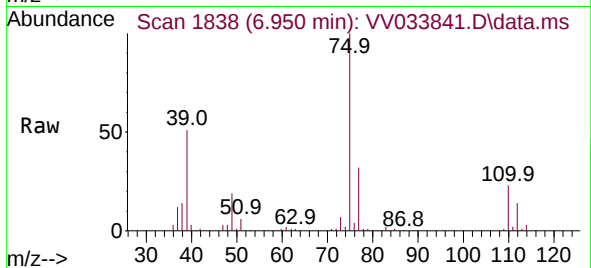
ClientSampleId :

Tgt Ion: 75 Resp: 128309

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 83.288 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

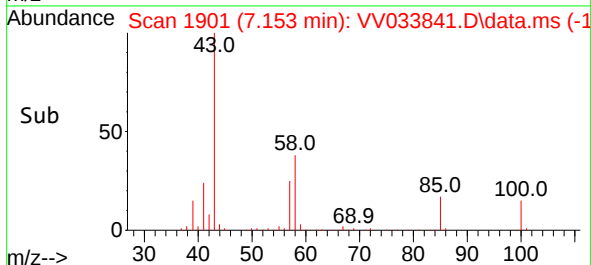
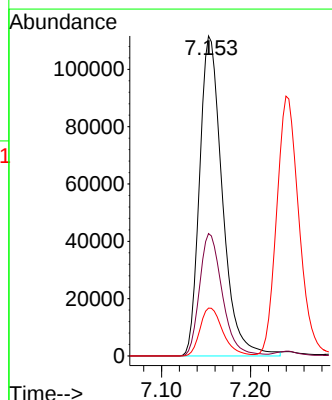
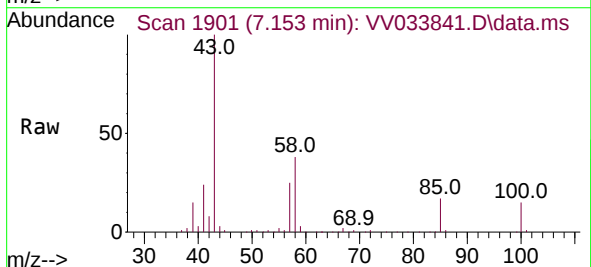
Tgt Ion: 43 Resp: 198546

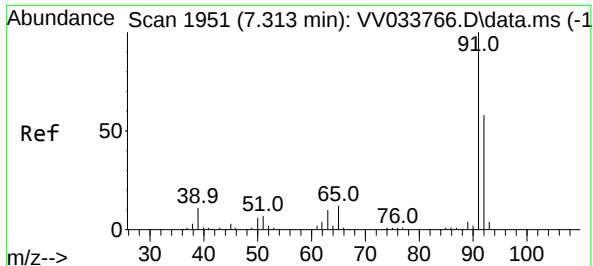
Ion Ratio Lower Upper

43 100

58 38.2 29.6 44.4

100 15.0 10.6 16.0





#42

Toluene

Concen: 50.705 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

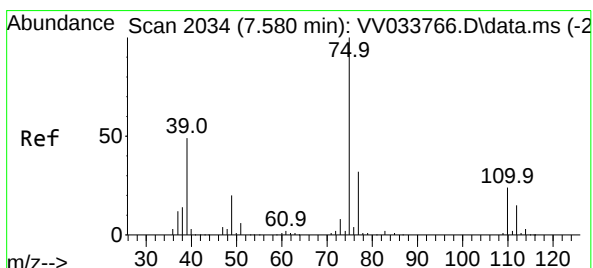
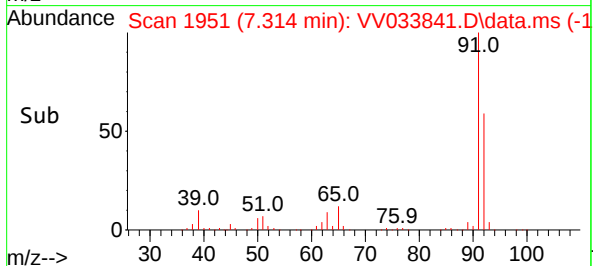
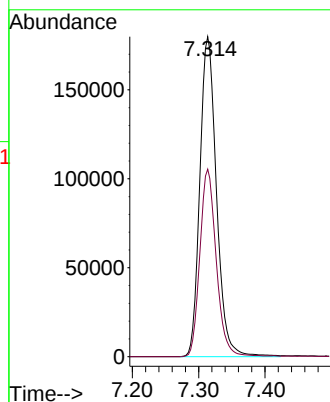
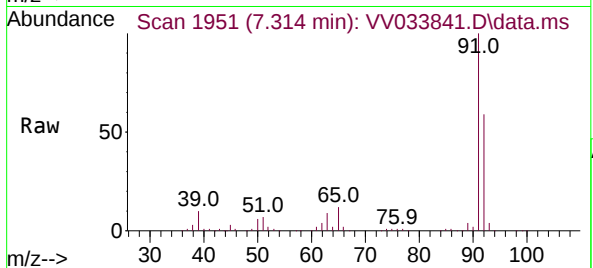
ClientSampleId :

Tgt Ion: 91 Resp: 313369

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 48.829 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV033841.D

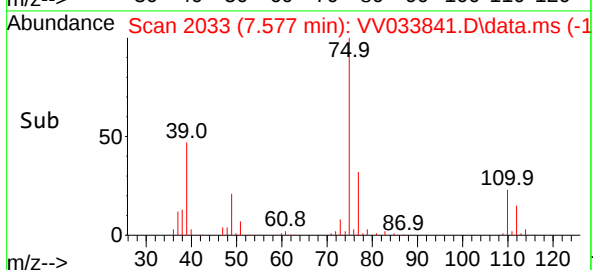
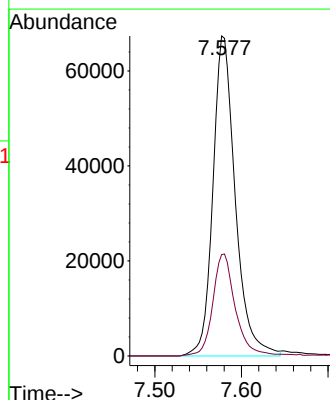
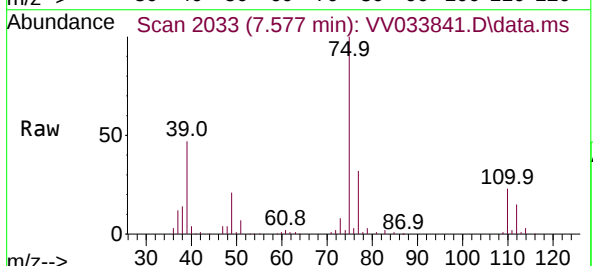
Acq: 24 Jan 2024 09:02

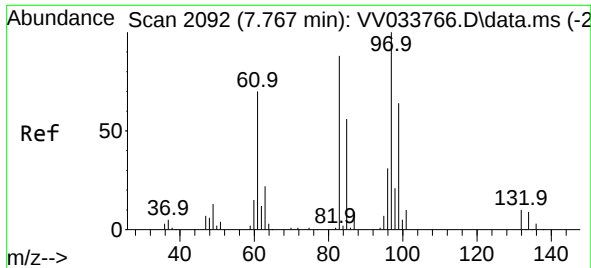
Tgt Ion: 75 Resp: 120888

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.0



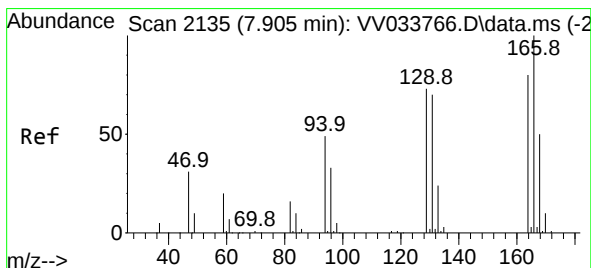
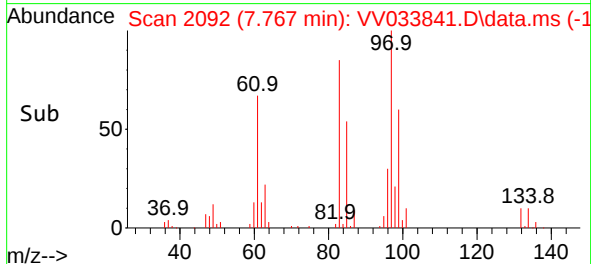
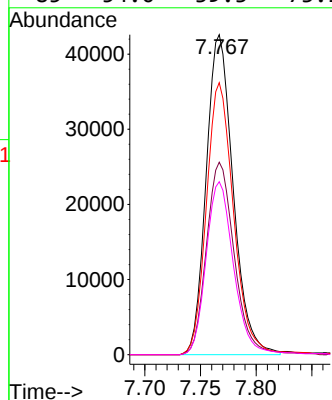
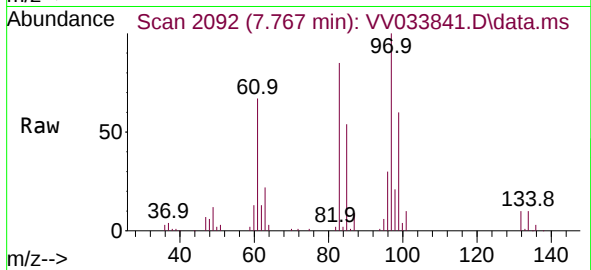


#45
1,1,2-Trichloroethane
Concen: 49.218 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 71845

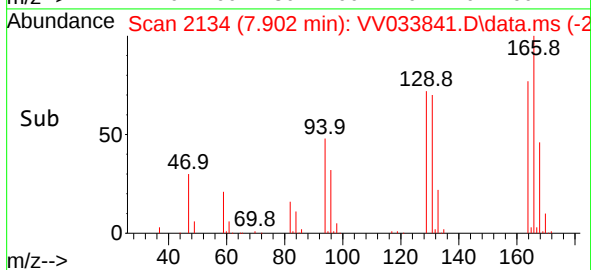
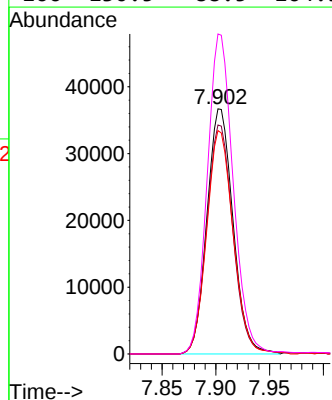
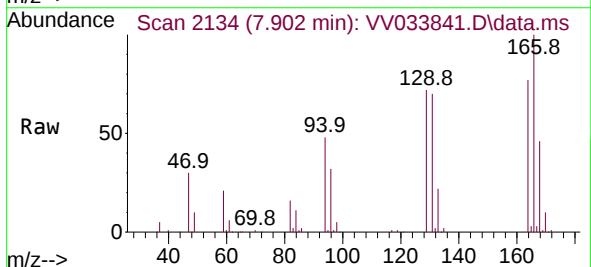
Ion	Ratio	Lower	Upper
97	100		
99	60.1	42.8	79.6
83	85.0	61.2	113.8
85	54.0	39.3	73.1

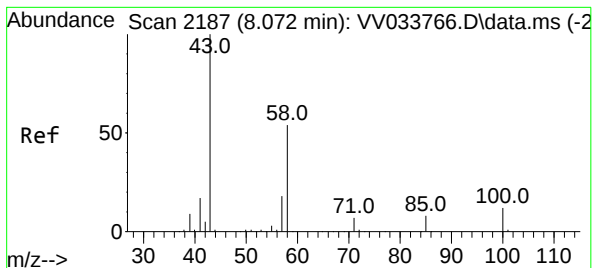


#46
Tetrachloroethene
Concen: 53.971 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.003 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Tgt Ion: 164 Resp: 62083

Ion	Ratio	Lower	Upper
164	100		
129	93.4	66.1	122.7
131	91.1	65.9	122.5
166	130.5	88.5	164.3





#48

2-Hexanone

Concen: 86.325 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

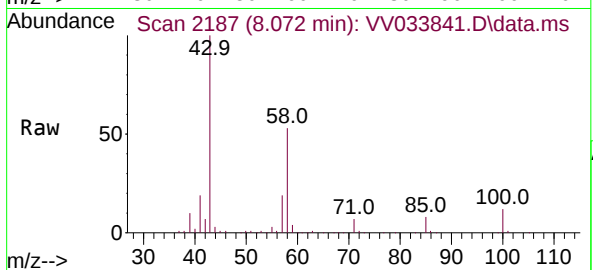
Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 163973

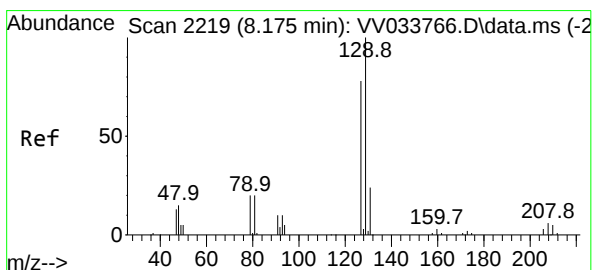
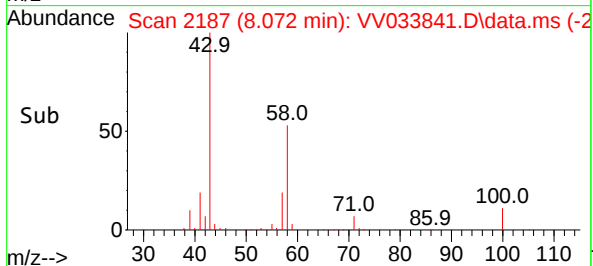
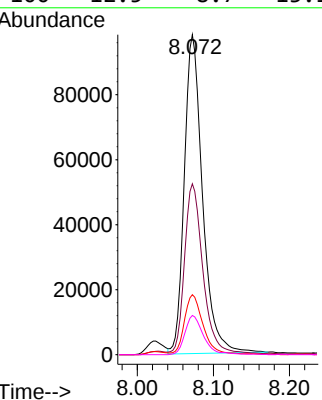
Ion Ratio Lower Upper

43 100

58 54.0 42.3 63.5

57 18.7 14.2 21.2

100 12.5 8.7 13.1



#49

Dibromochloromethane

Concen: 51.382 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV033841.D

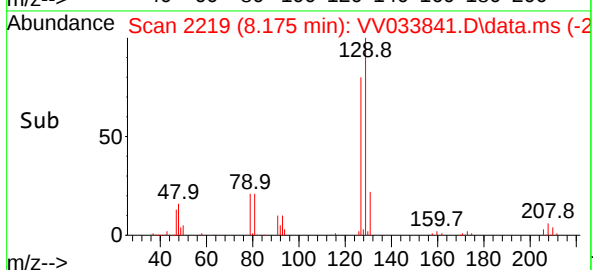
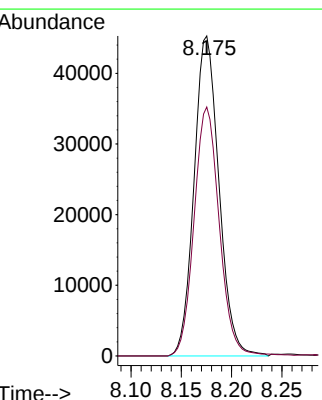
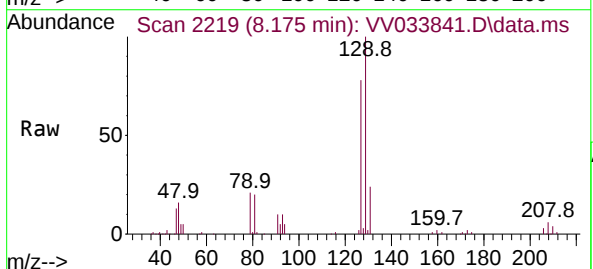
Acq: 24 Jan 2024 09:02

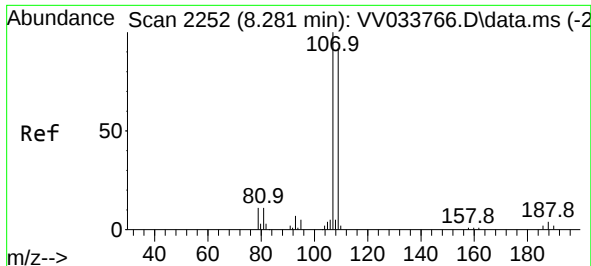
Tgt Ion: 129 Resp: 78117

Ion Ratio Lower Upper

129 100

127 77.8 54.5 101.3





#50

1,2-Dibromoethane

Concen: 48.576 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

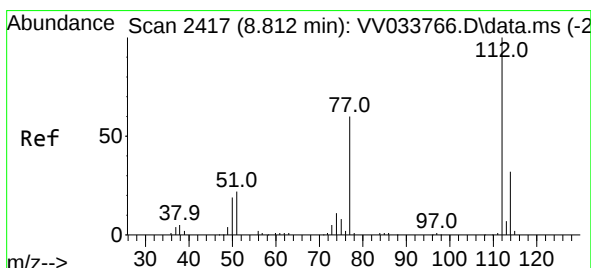
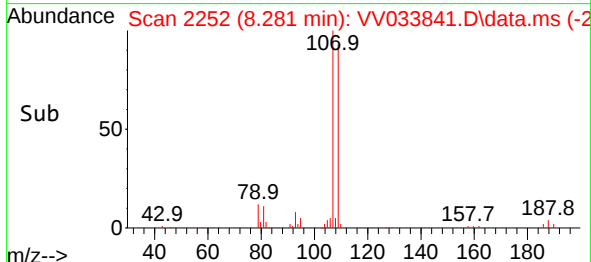
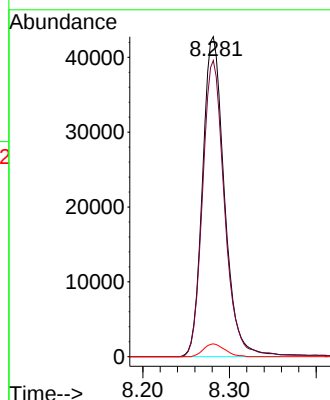
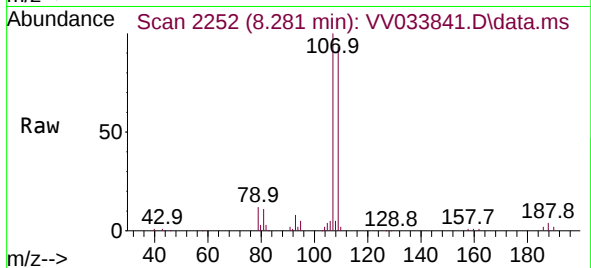
Tgt Ion:107 Resp: 74935

Ion Ratio Lower Upper

107 100

109 92.6 66.4 123.4

188 4.0 2.7 4.1



#51

Chlorobenzene

Concen: 50.927 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

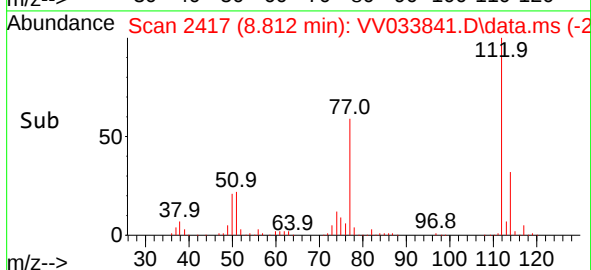
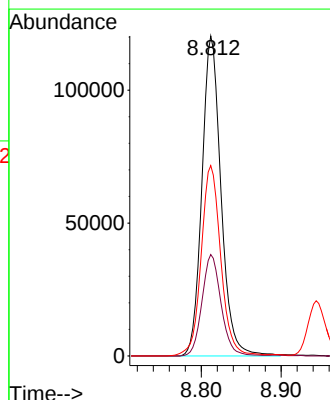
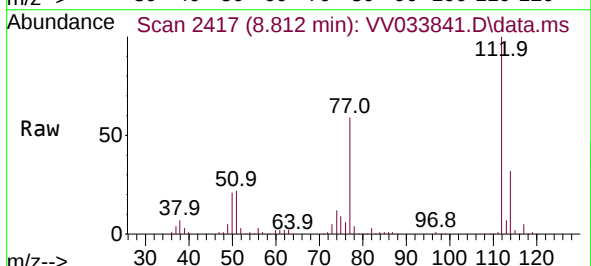
Tgt Ion:112 Resp: 200486

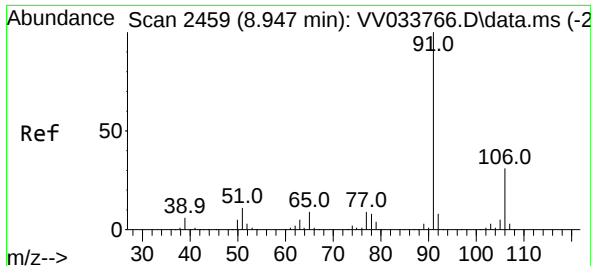
Ion Ratio Lower Upper

112 100

114 31.7 22.5 41.7

77 59.5 49.4 74.0

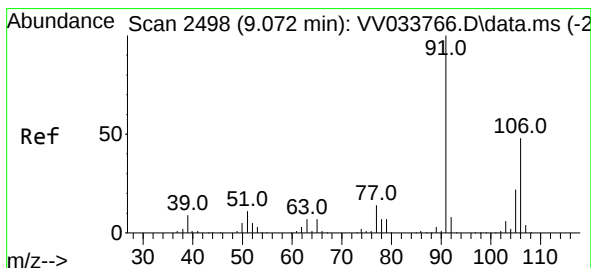
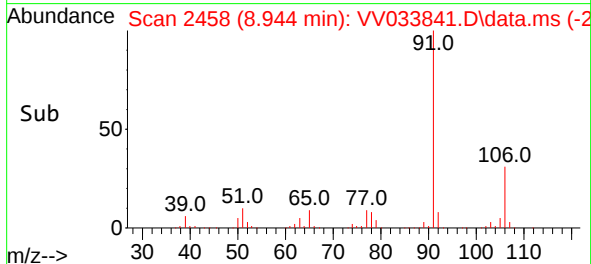
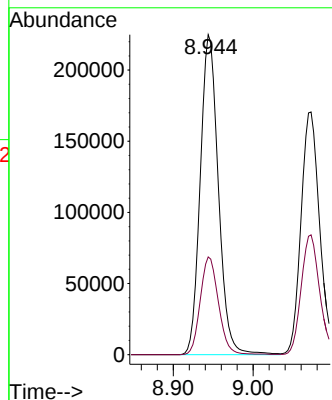
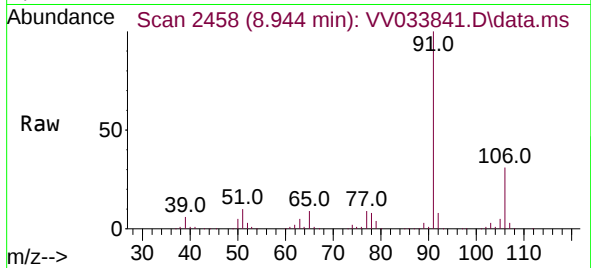




#52
Ethylbenzene
Concen: 49.638 ug/L
RT: 8.944 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

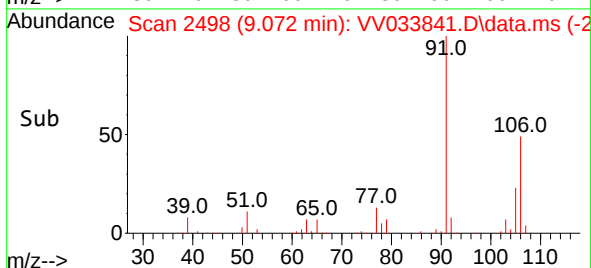
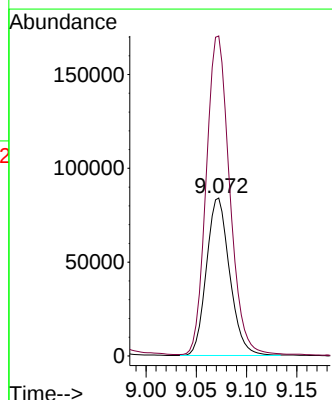
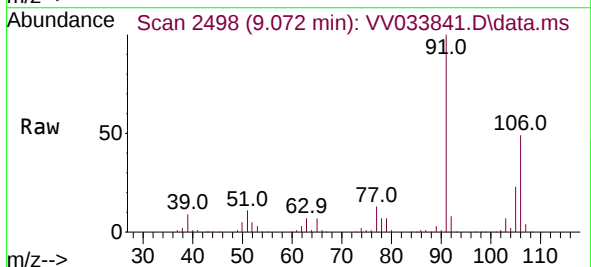
Instrument :
MSVOA_V
ClientSampleId :

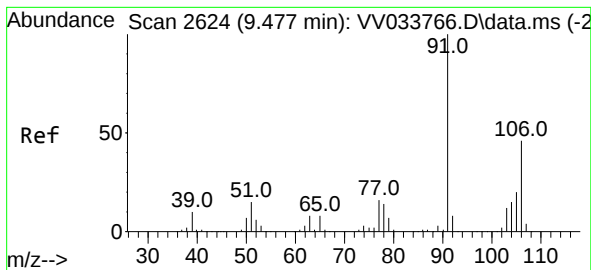
Tgt Ion: 91 Resp: 355316
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#53
m,p-Xylene
Concen: 51.074 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Tgt Ion:106 Resp: 134973
Ion Ratio Lower Upper
106 100
91 202.6 146.1 271.3





#54

o-Xylene

Concen: 50.555 ug/L

RT: 9.477 min Scan# 2624

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

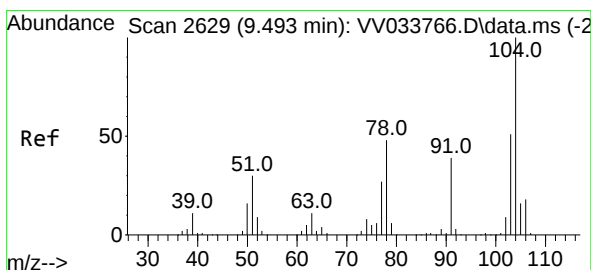
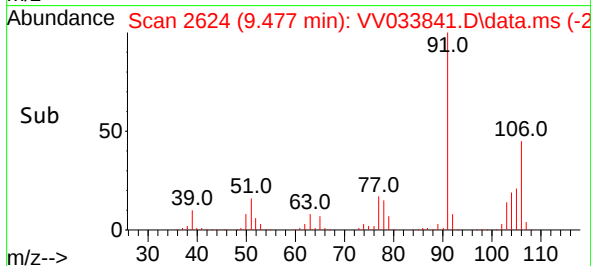
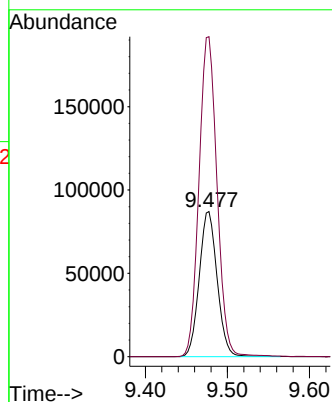
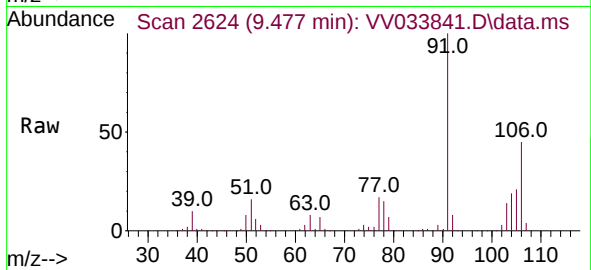
ClientSampleId :

Tgt Ion:106 Resp: 132265

Ion Ratio Lower Upper

106 100

91 220.5 155.2 288.2



#55

Styrene

Concen: 50.241 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV033841.D

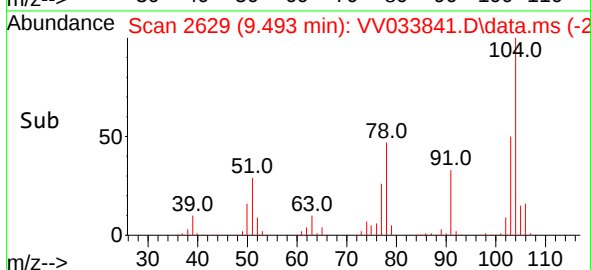
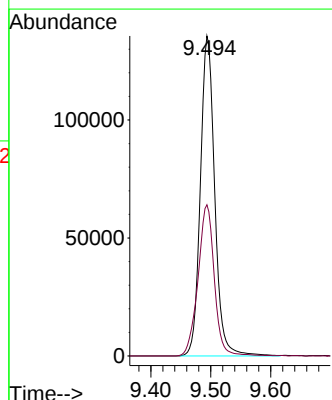
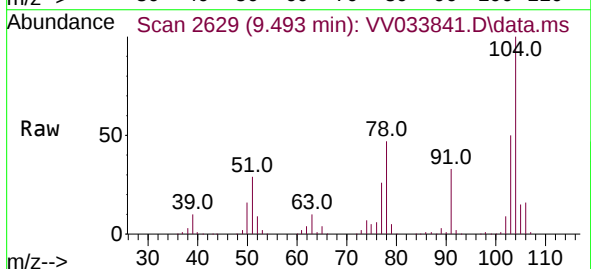
Acq: 24 Jan 2024 09:02

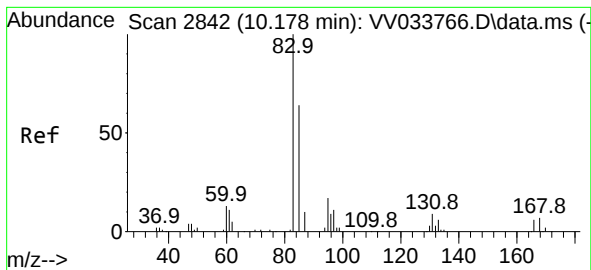
Tgt Ion:104 Resp: 226936

Ion Ratio Lower Upper

104 100

78 47.3 33.0 61.4

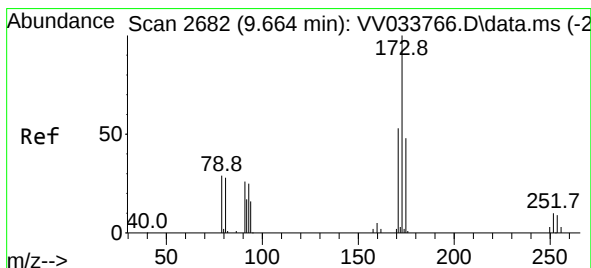
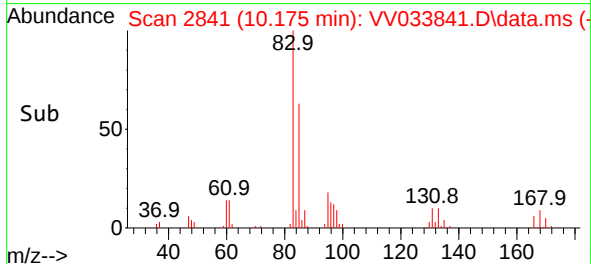
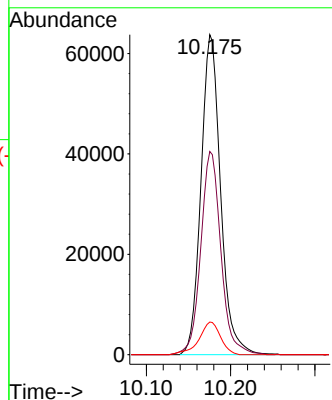
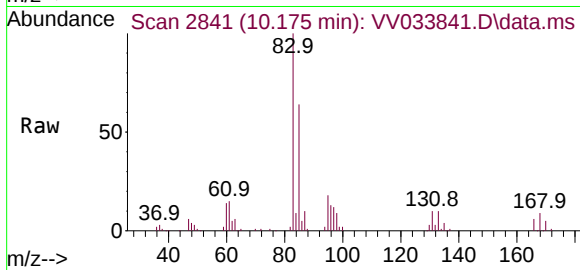




#57
1,1,2,2-Tetrachloroethane
Concen: 44.496 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

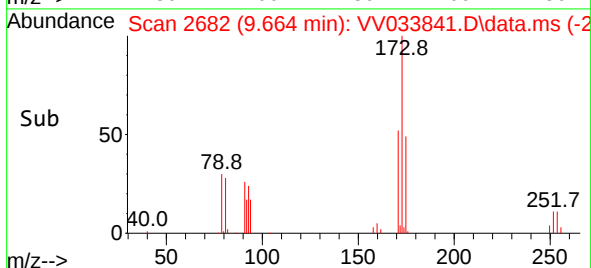
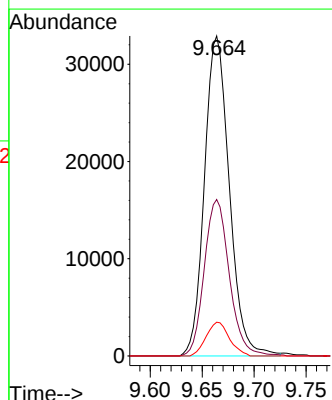
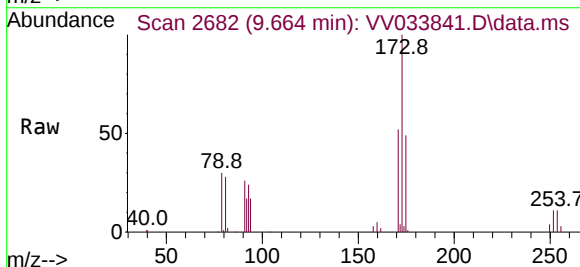
Instrument :
MSVOA_V
ClientSampleId :

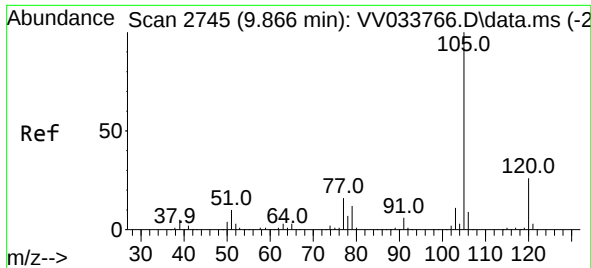
Tgt Ion: 83 Resp: 103368
Ion Ratio Lower Upper
83 100
85 63.5 44.9 83.5
131 10.2 7.5 11.3



#59
Bromoform
Concen: 49.549 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Tgt Ion: 173 Resp: 54855
Ion Ratio Lower Upper
173 100
175 49.3 37.2 55.8
254 9.8 7.4 11.0

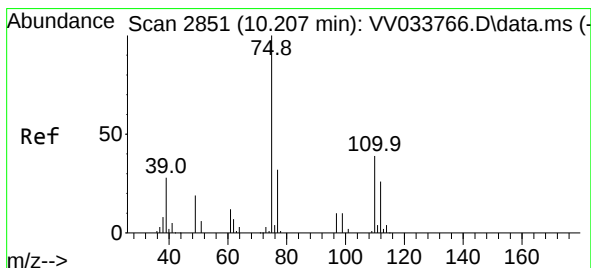
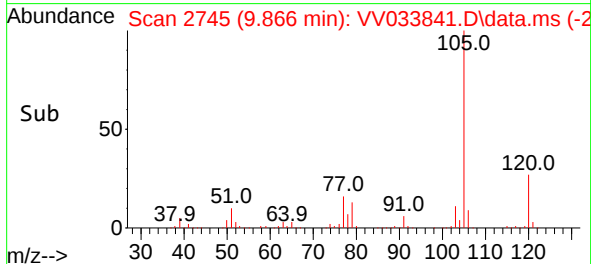
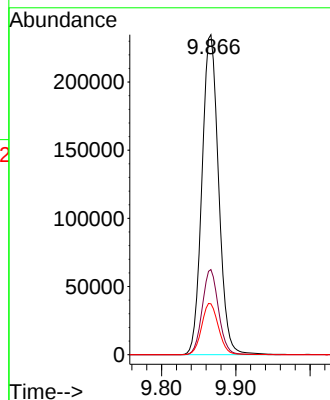
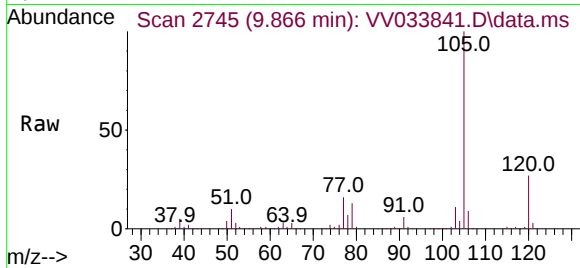




#60
Isopropylbenzene
Concen: 51.790 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

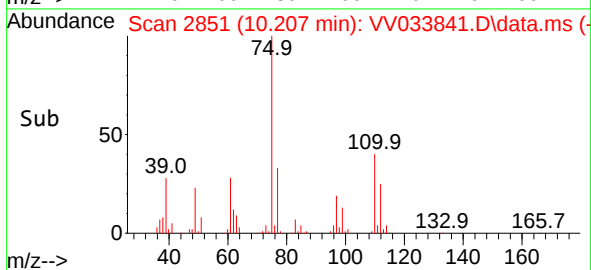
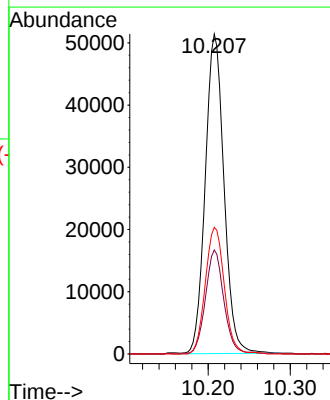
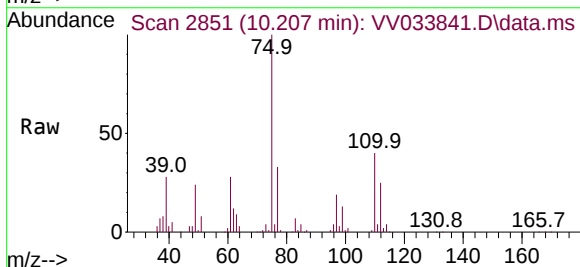
Instrument :
MSVOA_V
ClientSampleId :

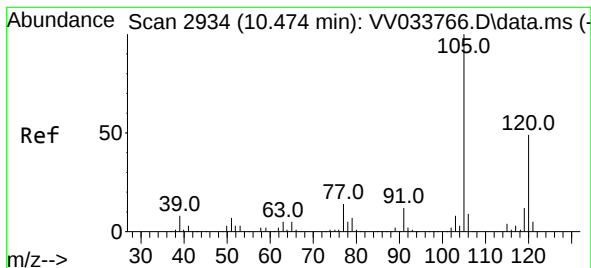
Tgt Ion:105 Resp: 364997
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.2 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 44.056 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Tgt Ion: 75 Resp: 81445
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
110 39.9 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 50.971 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

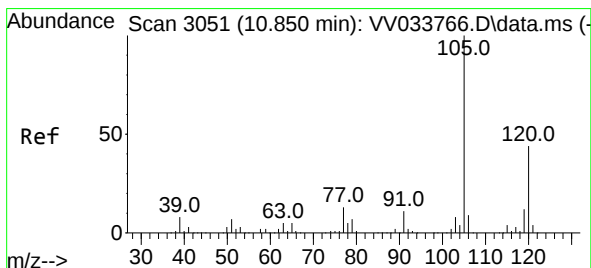
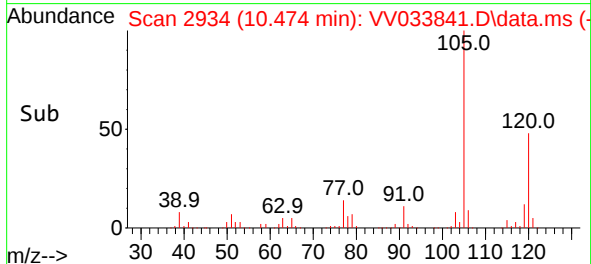
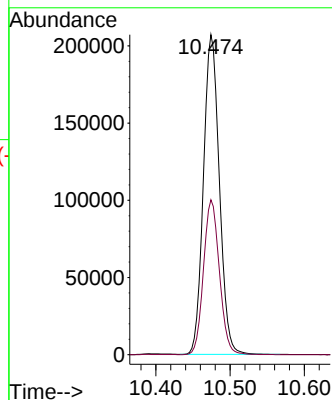
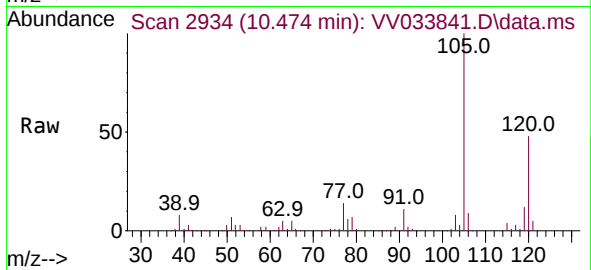
ClientSampleId :

Tgt Ion:105 Resp: 308221

Ion Ratio Lower Upper

105 100

120 48.4 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 50.587 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033841.D

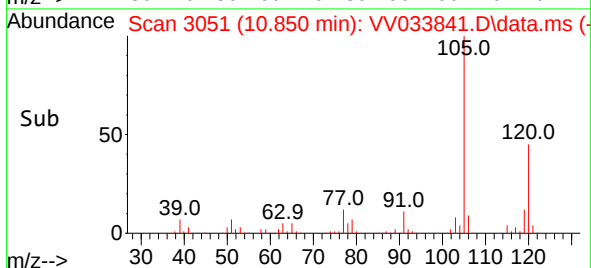
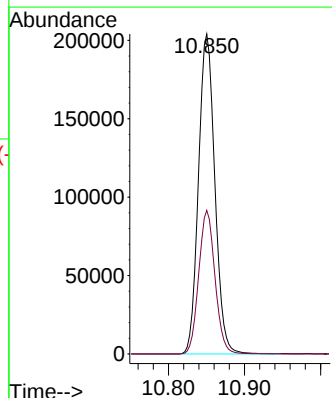
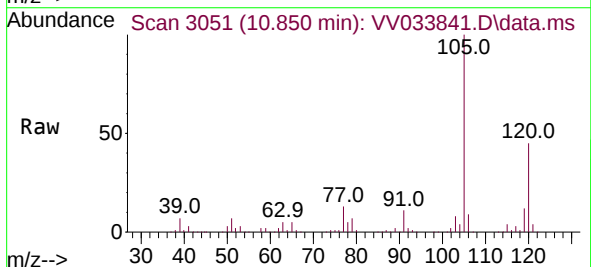
Acq: 24 Jan 2024 09:02

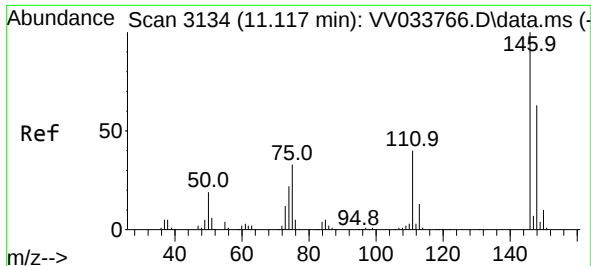
Tgt Ion:105 Resp: 304794

Ion Ratio Lower Upper

105 100

120 44.6 35.4 53.0

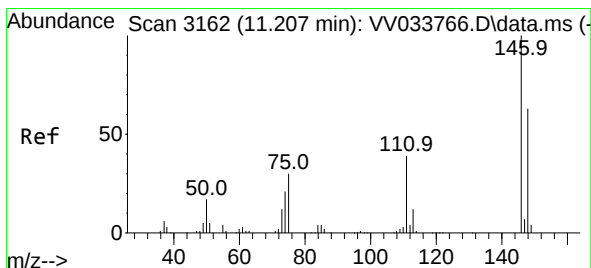
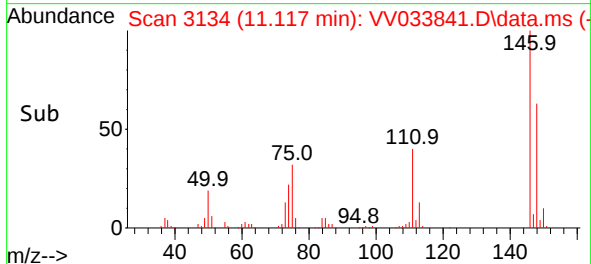
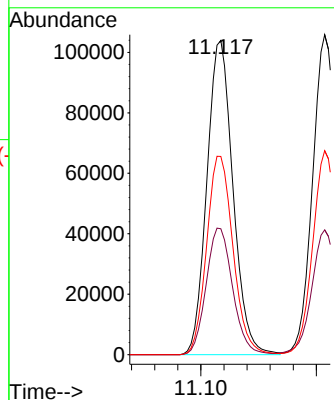
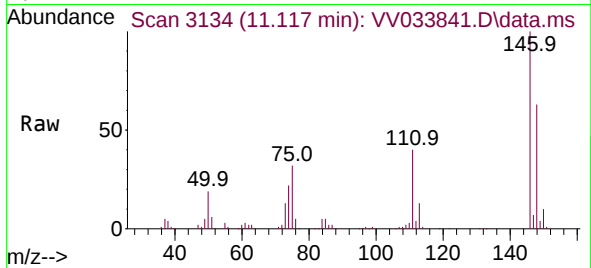




#64
1,3-Dichlorobenzene
Concen: 51.327 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

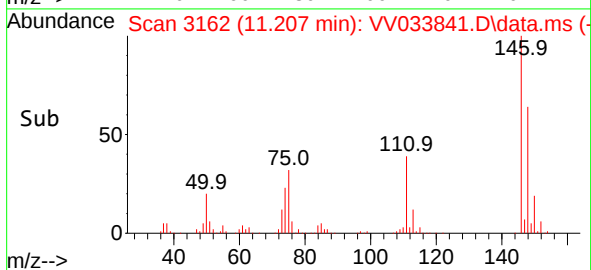
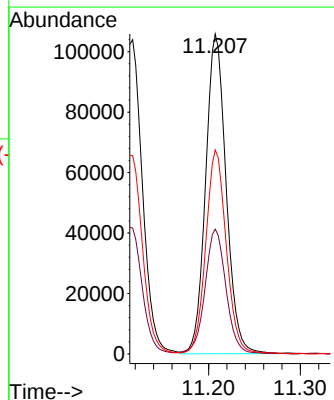
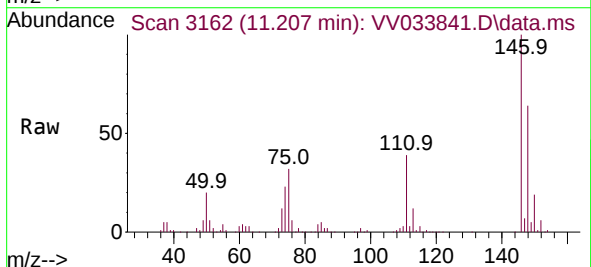
Instrument :
MSVOA_V
ClientSampleId :

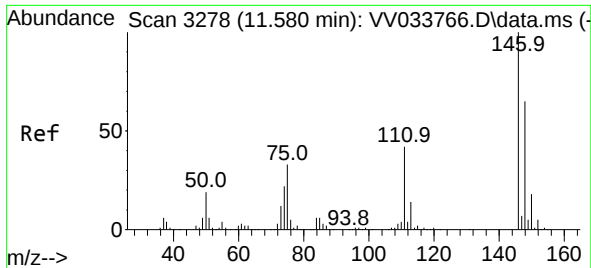
Tgt Ion:146 Resp: 163396
Ion Ratio Lower Upper
146 100
111 40.1 29.0 53.8
148 63.1 43.9 81.5



#65
1,4-Dichlorobenzene
Concen: 51.452 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV033841.D
Acq: 24 Jan 2024 09:02

Tgt Ion:146 Resp: 164236
Ion Ratio Lower Upper
146 100
111 39.0 27.7 51.5
148 63.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 51.401 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

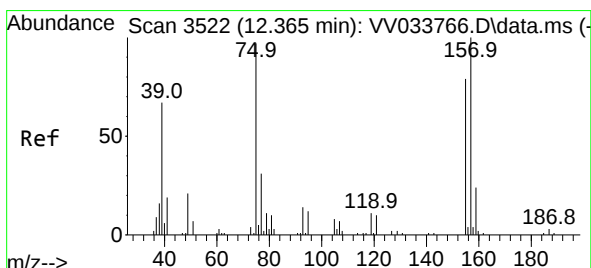
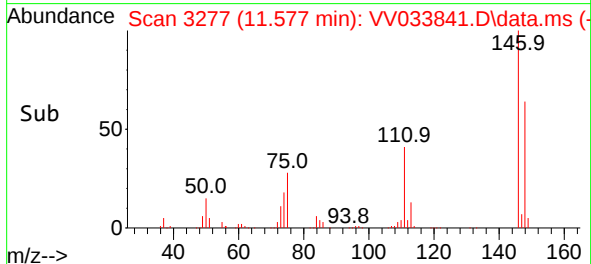
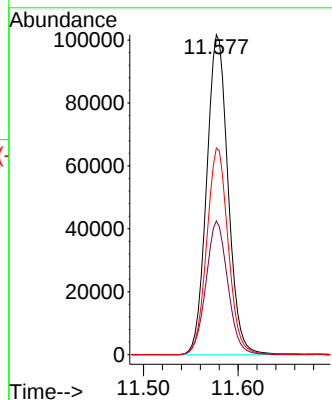
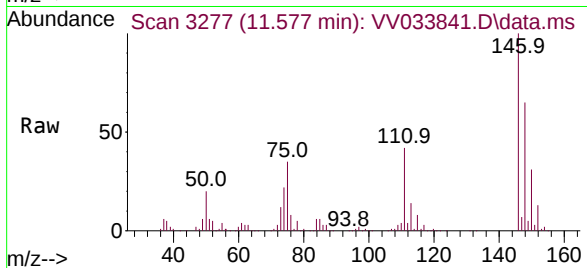
Tgt Ion:146 Resp: 159884

Ion Ratio Lower Upper

146 100

111 41.8 35.4 53.0

148 64.6 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 42.754 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

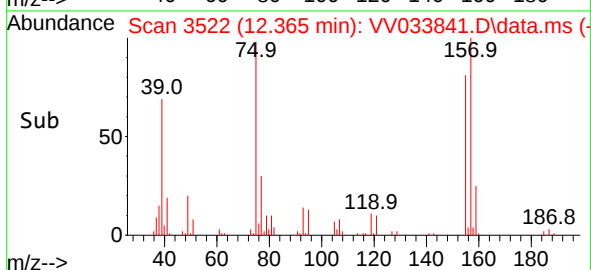
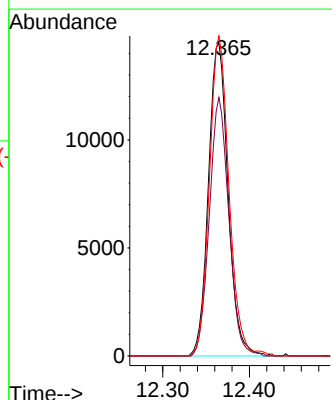
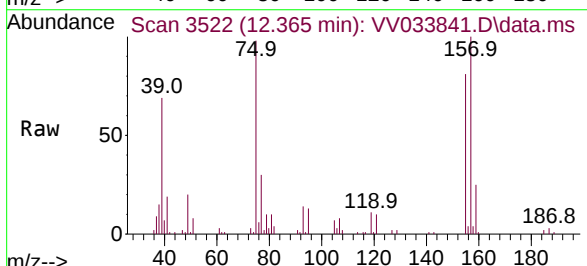
Tgt Ion: 75 Resp: 22808

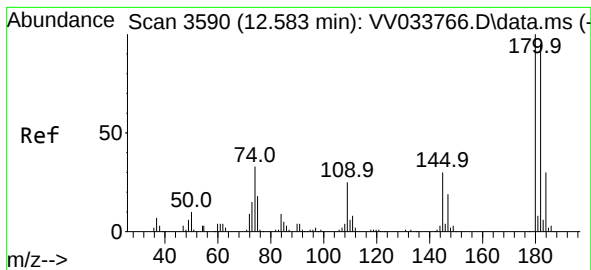
Ion Ratio Lower Upper

75 100

155 82.6 61.6 92.4

157 102.3 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 53.737 ug/L

RT: 12.580 min Scan# 3590

Delta R.T. 0.000 min

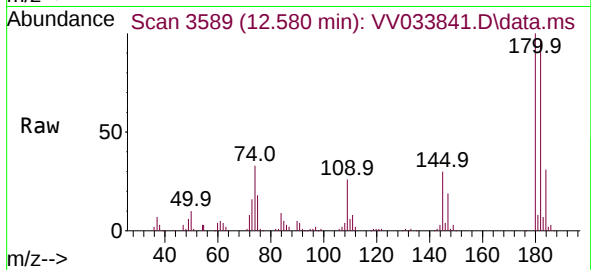
Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 126412

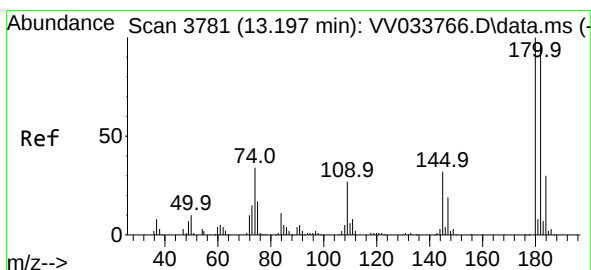
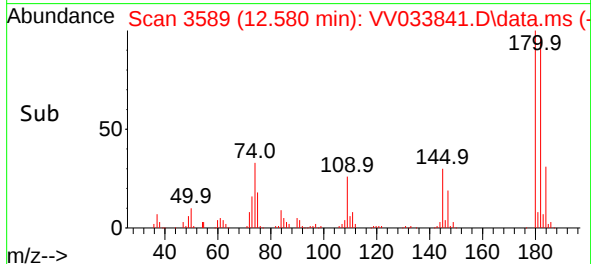
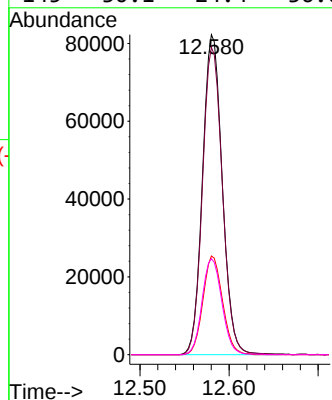
Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.2

184 30.6 23.9 35.9

145 30.1 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 53.747 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

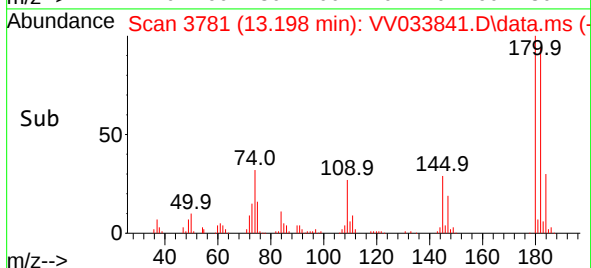
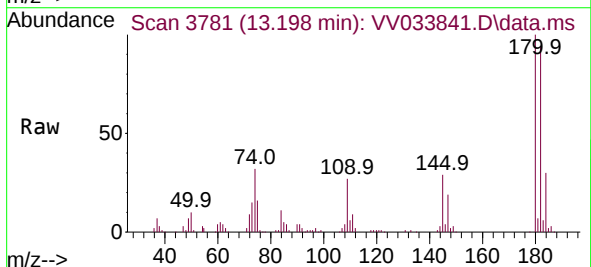
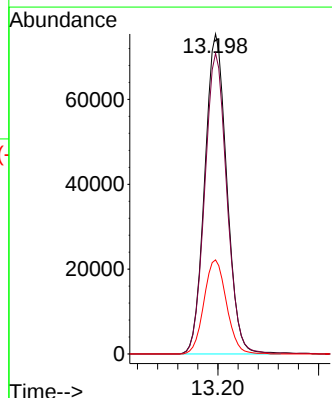
Tgt Ion:180 Resp: 114758

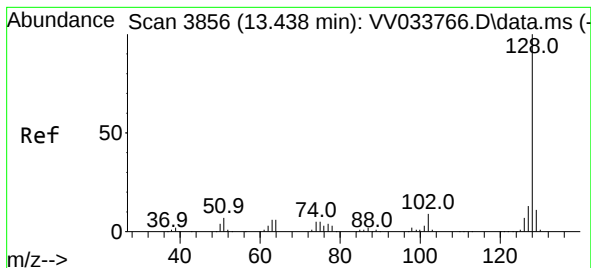
Ion Ratio Lower Upper

180 100

182 94.3 76.3 114.5

145 30.0 25.4 38.0





#71

Naphthalene

Concen: 43.918 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

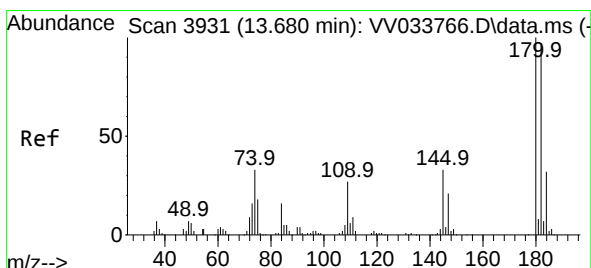
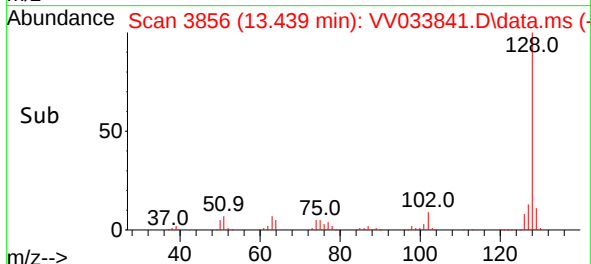
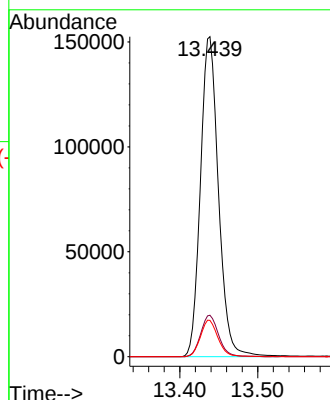
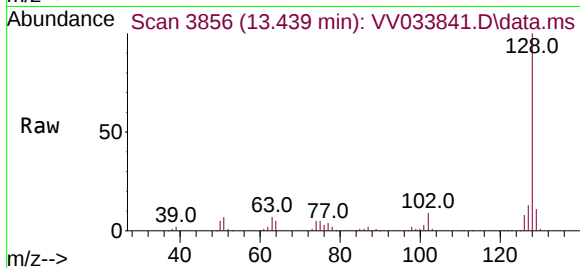
Tgt Ion:128 Resp: 245032

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 53.283 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033841.D

Acq: 24 Jan 2024 09:02

Tgt Ion:180 Resp: 106188

Ion Ratio Lower Upper

180 100

182 96.6 76.0 114.0

145 32.5 26.3 39.5

