

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012324\
 Data File : VW033839.D
 Acq On : 23 Jan 2024 19:09
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 24 02:06:52 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	214179	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	201033	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	103690	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	64393	39.119	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.240%
7) Chloroethane-d5	1.529	69	56651	43.459	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.920%
11) 1,1-Dichloroethene-d2	2.059	65	30995	43.753	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.500%
21) 2-Butanone-d5	3.780	46	88945	78.779	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.780%
24) Chloroform-d	4.249	84	132452	45.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	4.940	65	86303	45.380	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.760%
32) Benzene-d6	4.960	84	248556	43.490	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.980%
36) 1,2-Dichloropropane-d6	5.989	67	76558	40.695	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.400%
41) Toluene-d8	7.243	98	228842	44.440	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.880%
43) trans-1,3-Dichloroprop...	7.551	79	39710	42.710	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.420%
47) 2-Hexanone-d5	8.021	63	63439	81.296	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.300%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	98232	40.901	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.800%
66) 1,2-Dichlorobenzene-d4	11.561	152	91345	46.432	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	70425	39.525	ug/L	100
3) Chloromethane	1.217	50	80933	39.945	ug/L	100
5) Vinyl chloride	1.285	62	82513	42.570	ug/L	98
6) Bromomethane	1.484	94	42696	42.147	ug/L	99
8) Chloroethane	1.548	64	52896	45.766	ug/L	98
9) Trichlorofluoromethane	1.715	101	123413	53.356	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	69015	50.645	ug/L	97
12) 1,1-Dichloroethene	2.072	96	65148	50.683	ug/L	89
13) Acetone	2.111	43	91770	85.011	ug/L	99
14) Carbon disulfide	2.243	76	188908	43.240	ug/L	100
15) Methyl Acetate	2.371	43	71374	40.433	ug/L #	100
16) Methylene chloride	2.449	84	69981	44.628	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	63388	44.147	ug/L	93
18) Methyl tert-butyl Ether	2.703	73	235369	45.578	ug/L	98
19) 1,1-Dichloroethane	3.111	63	127259	43.352	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	73317	45.879	ug/L	95
22) 2-Butanone	3.863	43	96326	73.470	ug/L	99
23) Bromochloromethane	4.149	128	37011	47.674	ug/L #	80
25) Chloroform	4.275	83	129797	46.636	ug/L	98

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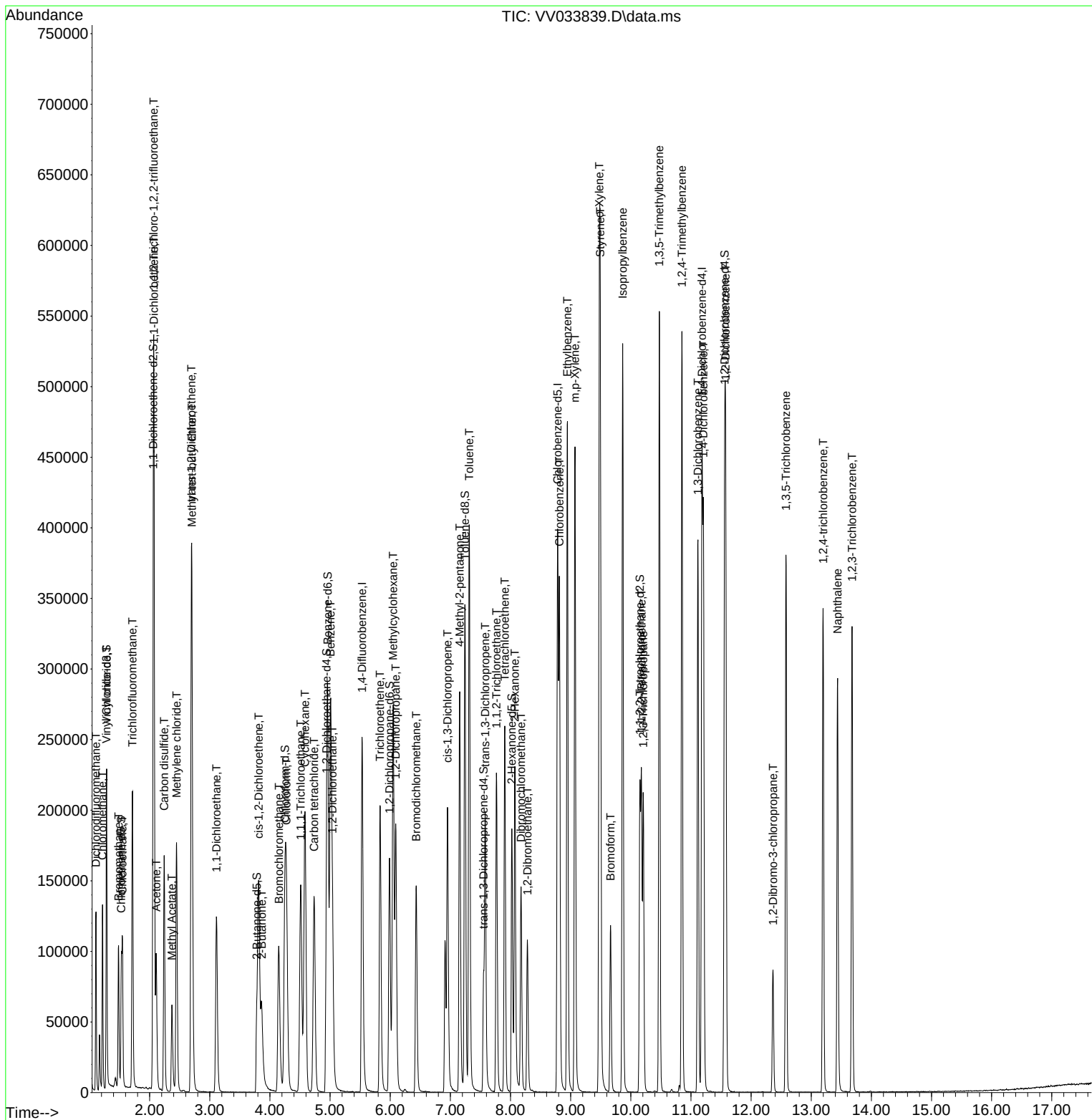
Instrument :
 MSVOA_V
 ClientSampleId :

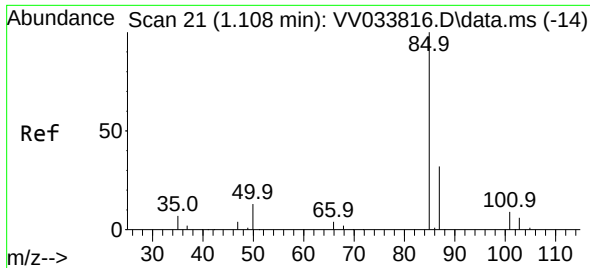
Quant Time: Jan 24 02:06:52 2024
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 24 02:00:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	108784	46.796	ug/L	99
29) Cyclohexane	4.583	56	115731	40.835	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	120232	49.837	ug/L	98
31) Carbon tetrachloride	4.735	117	106496	51.716	ug/L	98
33) Benzene	5.008	78	267323	45.273	ug/L	100
34) Trichloroethene	5.831	95	70180	44.308	ug/L	97
35) Methylcyclohexane	6.050	83	114941	42.404	ug/L	96
37) 1,2-Dichloropropane	6.091	63	70649	43.481	ug/L #	97
38) Bromodichloromethane	6.432	83	99051	46.599	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	110954	40.892	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	187627	77.932	ug/L	96
42) Toluene	7.313	91	286088	45.835	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	112001	44.793	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	68214	46.270	ug/L	98
46) Tetrachloroethene	7.905	164	54627	47.021	ug/L	97
48) 2-Hexanone	8.072	43	146627	76.432	ug/L	99
49) Dibromochloromethane	8.175	129	70709	46.051	ug/L	99
50) 1,2-Dibromoethane	8.281	107	69755	44.773	ug/L	99
51) Chlorobenzene	8.815	112	183872	46.246	ug/L	97
52) Ethylbenzene	8.947	91	326664	45.185	ug/L	99
53) m,p-Xylene	9.072	106	121889	45.669	ug/L	100
54) o-Xylene	9.477	106	120181	45.484	ug/L	100
55) Styrene	9.493	104	207519	45.490	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	99043	42.214	ug/L	99
59) Bromoform	9.664	173	50606	45.920	ug/L	98
60) Isopropylbenzene	9.866	105	330992	47.180	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	79619	43.266	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	281767	46.810	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	282465	47.096	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	149410	47.149	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	147089	46.292	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	146981	47.469	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	21593	40.662	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	110594	47.228	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	98108	46.160	ug/L	99
71) Naphthalene	13.438	128	222571	40.075	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	94353	47.561	ug/L	99

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

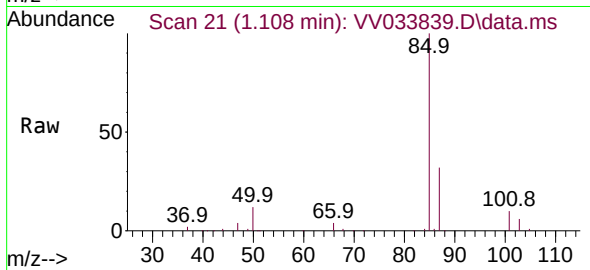
Quant Time: Jan 24 02:06:52 2024
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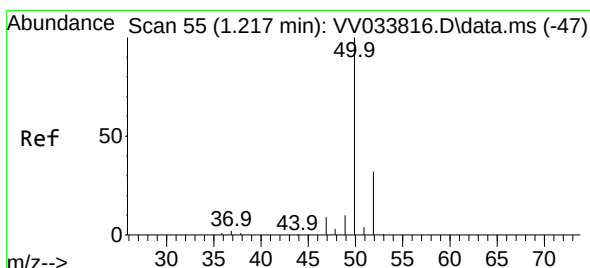
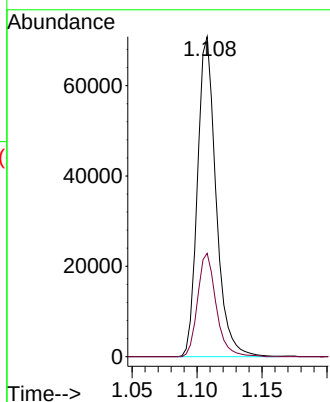
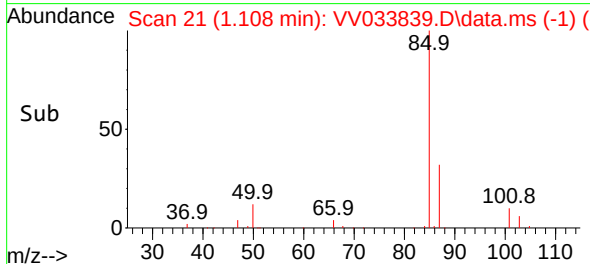


#2
 Dichlorodifluoromethane
 Concen: 39.525 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV033839.D
 Acq: 23 Jan 2024 19:09

Instrument :
 MSVOA_V
 ClientSampleId :

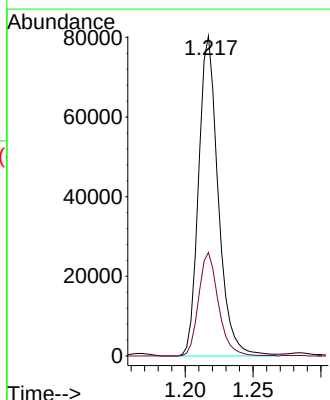
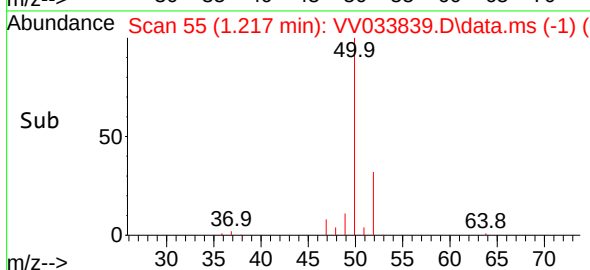
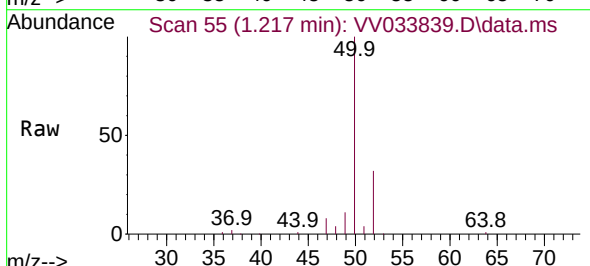


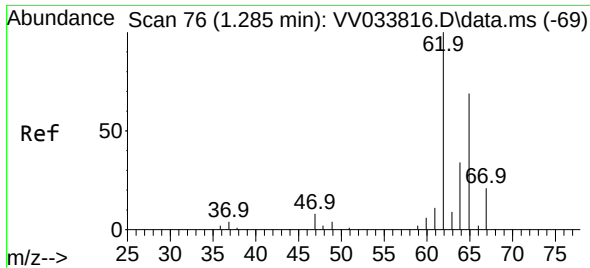
Tgt Ion: 85 Resp: 70425
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.8 38.6



#3
 Chloromethane
 Concen: 39.945 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV033839.D
 Acq: 23 Jan 2024 19:09

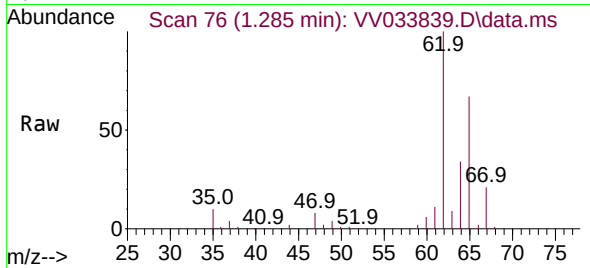
Tgt Ion: 50 Resp: 80933
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.8 42.4



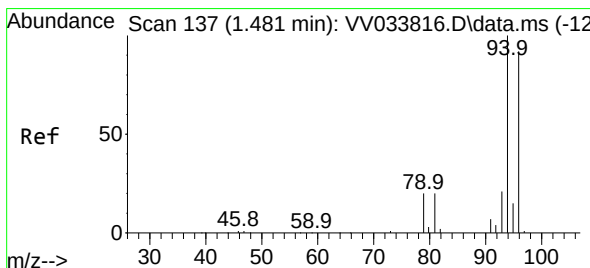
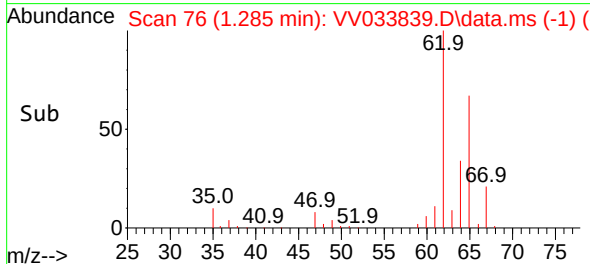
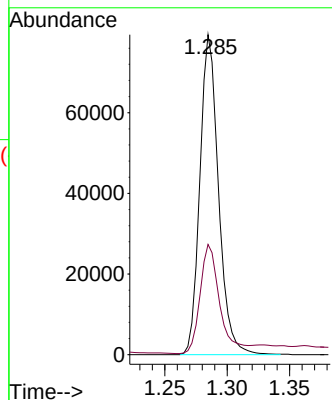


#5
 Vinyl chloride
 Concen: 42.570 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033839.D
 Acq: 23 Jan 2024 19:09

Instrument :
 MSVOA_V
 ClientSampleId :

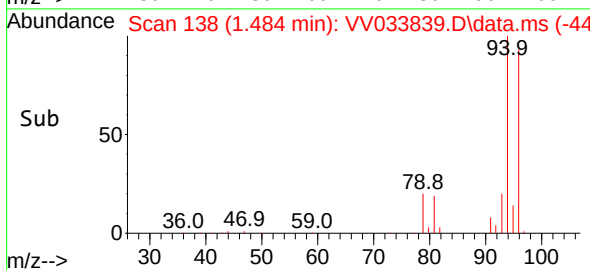
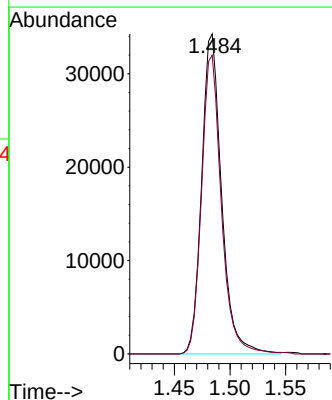
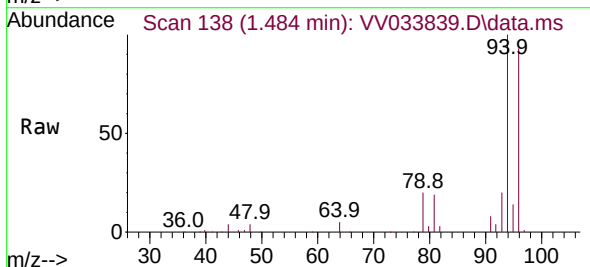


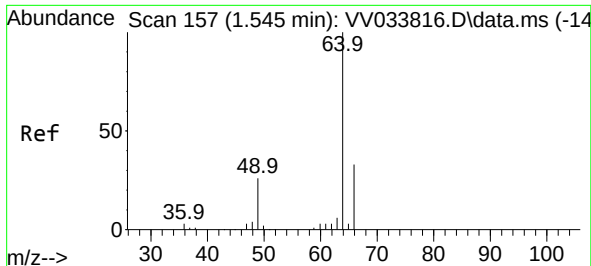
Tgt Ion: 62 Resp: 82513
 Ion Ratio Lower Upper
 62 100
 64 34.4 23.2 43.0



#6
 Bromomethane
 Concen: 42.147 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.003 min
 Lab File: VV033839.D
 Acq: 23 Jan 2024 19:09

Tgt Ion: 94 Resp: 42696
 Ion Ratio Lower Upper
 94 100
 96 93.3 66.4 123.2





#8

Chloroethane

Concen: 45.766 ug/L

RT: 1.548 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

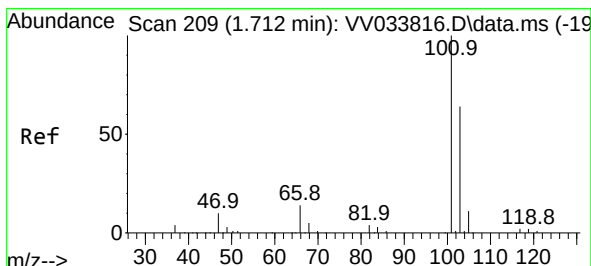
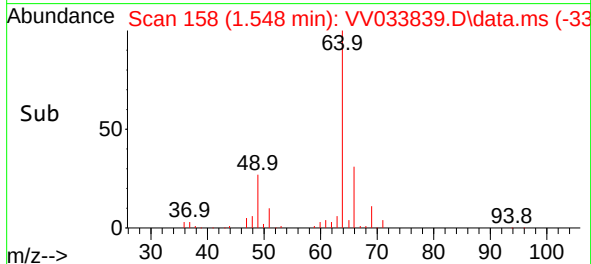
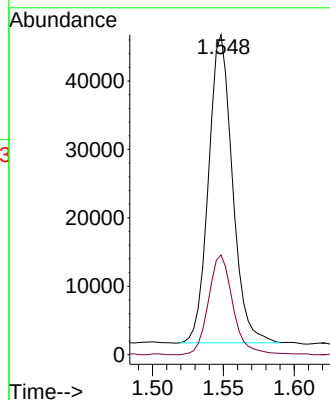
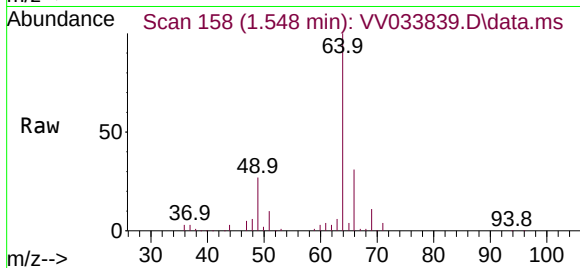
ClientSampleId :

Tgt Ion: 64 Resp: 52896

Ion Ratio Lower Upper

64 100

66 31.2 22.5 41.9



#9

Trichlorofluoromethane

Concen: 53.356 ug/L

RT: 1.715 min Scan# 210

Delta R.T. 0.003 min

Lab File: VV033839.D

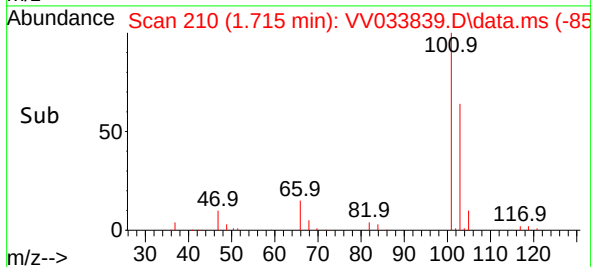
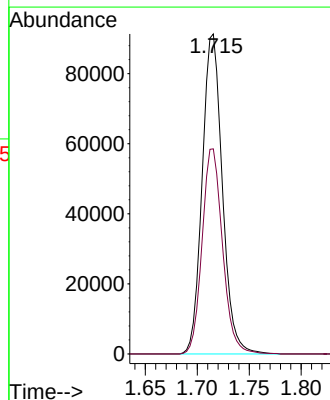
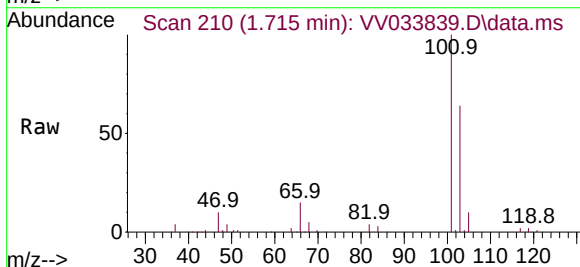
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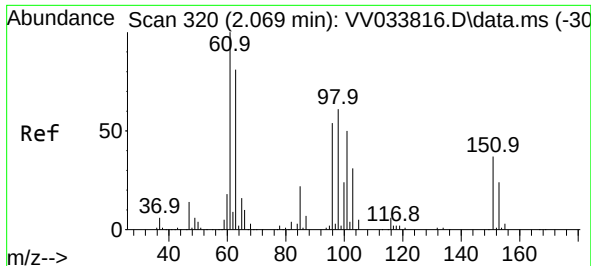
Tgt Ion:101 Resp: 123413

Ion Ratio Lower Upper

101 100

103 65.0 51.3 76.9





#10

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

Concen: 50.645 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

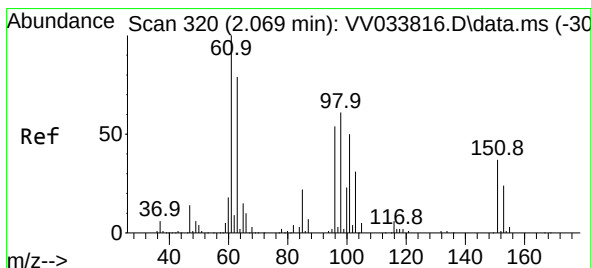
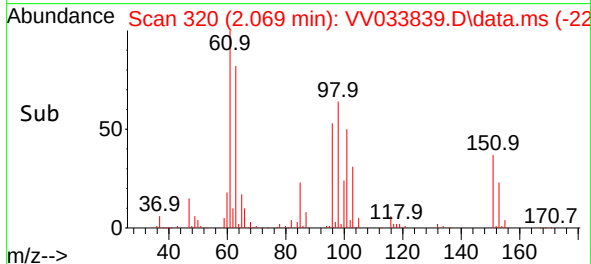
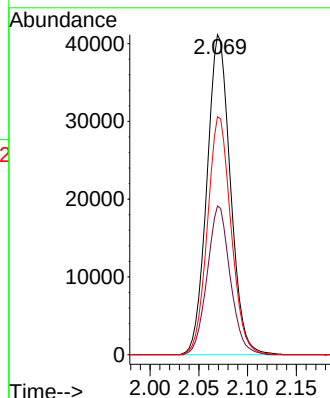
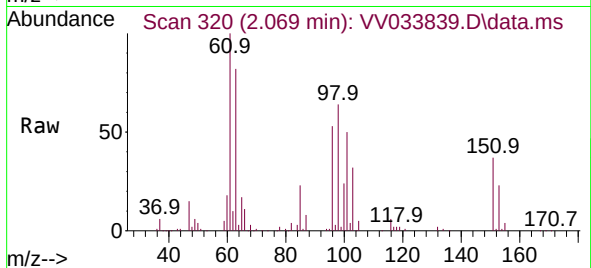
Tgt Ion:101 Resp: 69015

Ion Ratio Lower Upper

101 100

85 45.5 36.2 54.4

151 74.8 56.5 84.7



#12

1,1-Dichloroethene

Concen: 50.683 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

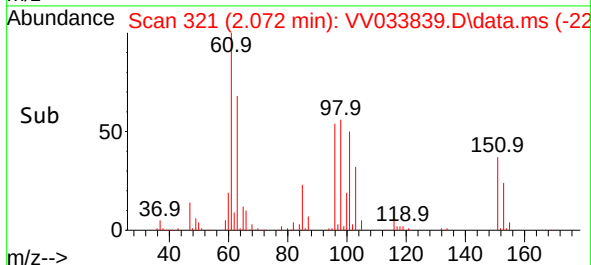
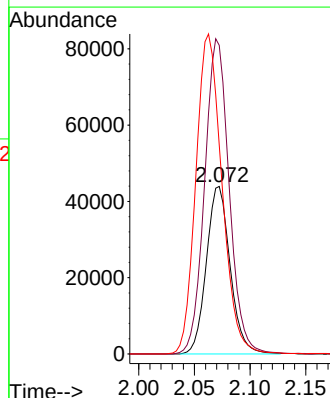
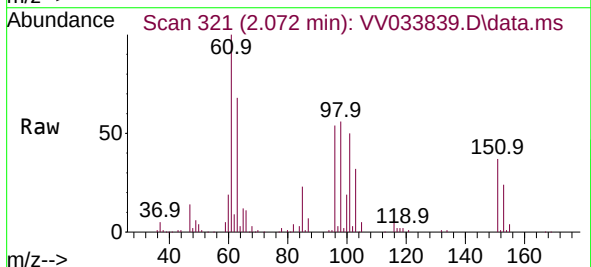
Tgt Ion: 96 Resp: 65148

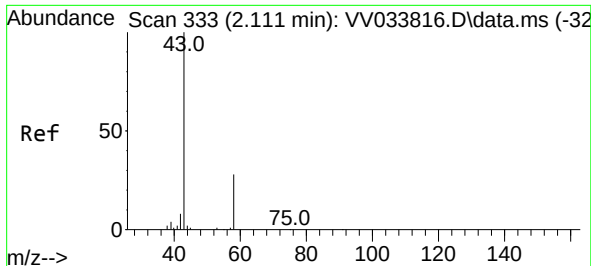
Ion Ratio Lower Upper

96 100

61 184.3 134.0 248.8

63 124.7 103.4 192.0





#13

Acetone

Concen: 85.011 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

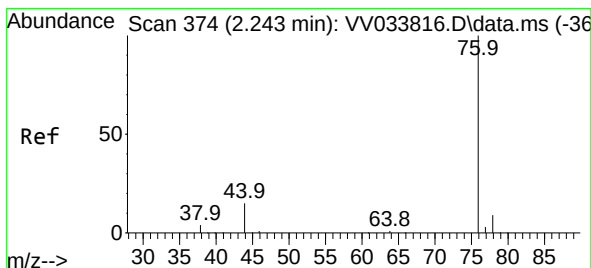
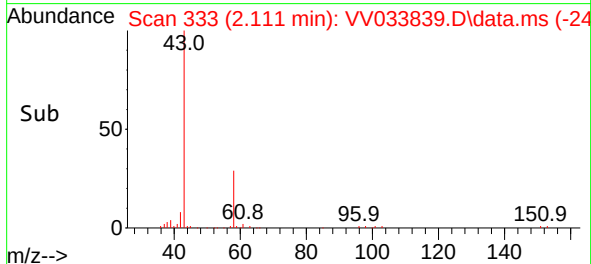
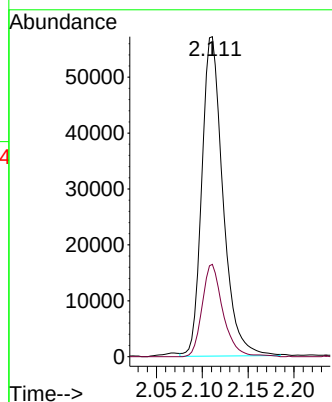
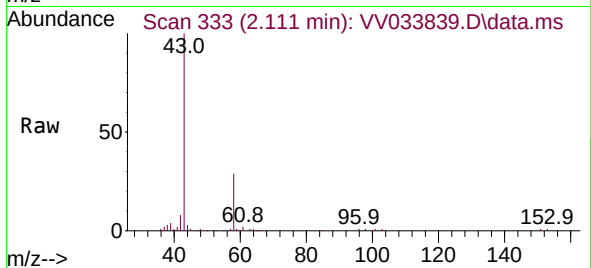
ClientSampleId :

Tgt Ion: 43 Resp: 91770

Ion Ratio Lower Upper

43 100

58 28.1 0.0 57.2



#14

Carbon disulfide

Concen: 43.240 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV033839.D

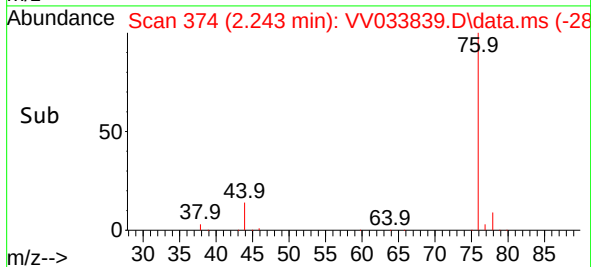
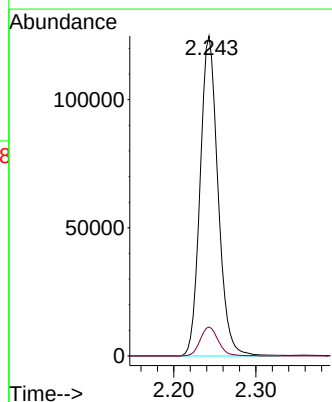
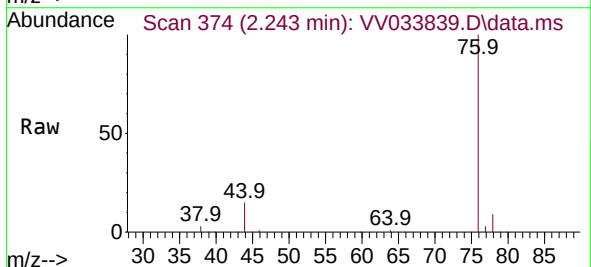
Acq: 23 Jan 2024 19:09

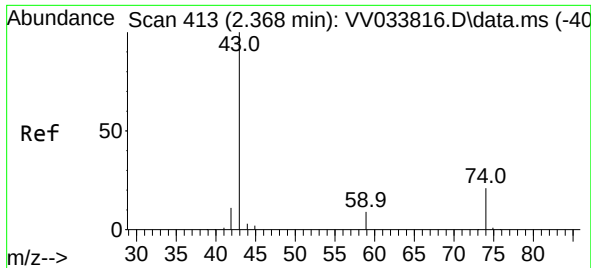
Tgt Ion: 76 Resp: 188908

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

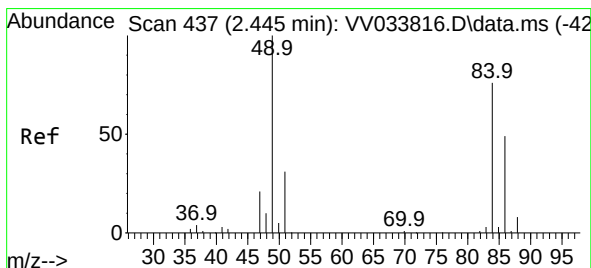
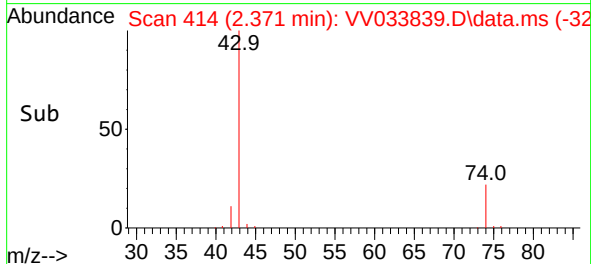
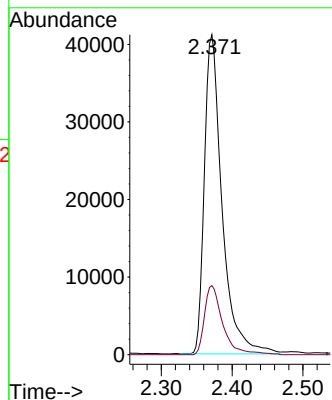
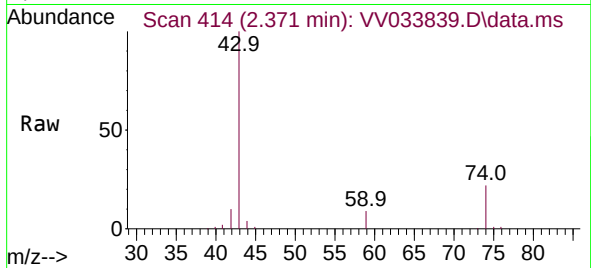




#15
Methyl Acetate
Concen: 40.433 ug/L
RT: 2.371 min Scan# 413
Delta R.T. 0.003 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

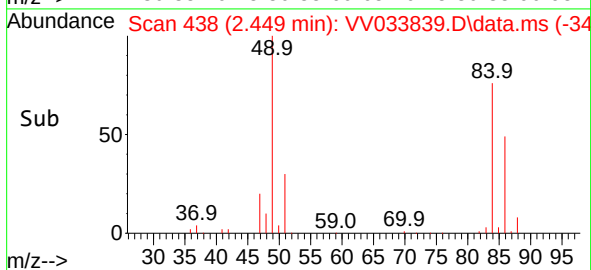
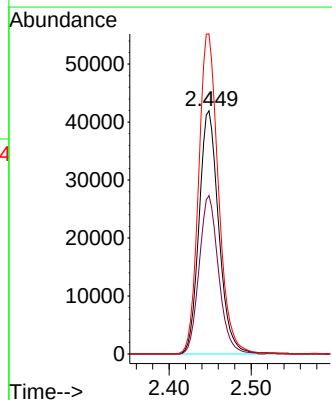
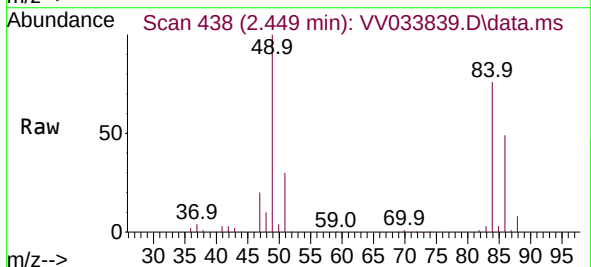
Instrument :
MSVOA_V
ClientSampleId :

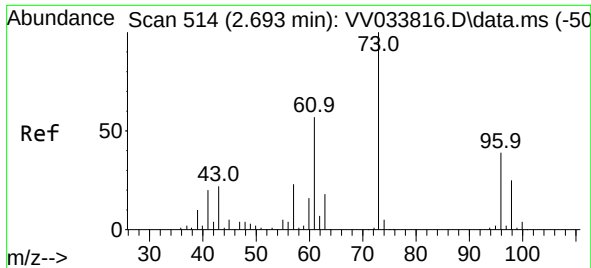
Tgt Ion: 43 Resp: 71374
Ion Ratio Lower Upper
43 100
74 22.3 0.0 0.0#



#16
Methylene chloride
Concen: 44.628 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion: 84 Resp: 69981
Ion Ratio Lower Upper
84 100
86 65.1 43.9 81.5
49 131.6 98.3 182.5

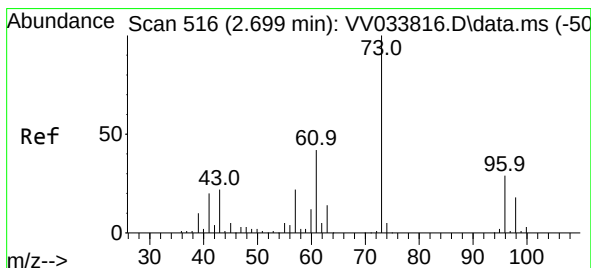
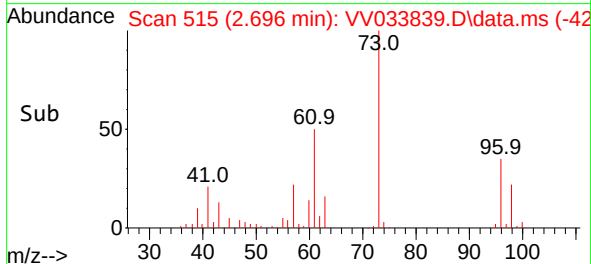
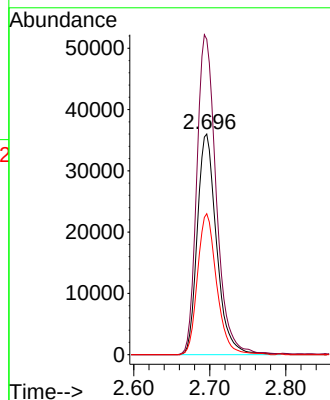
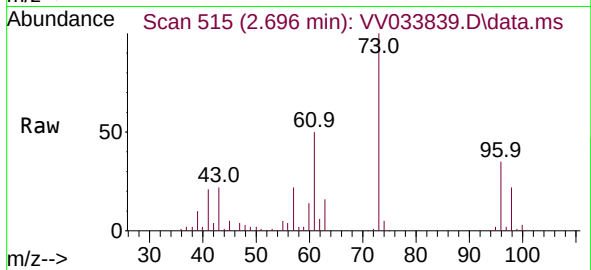




#17
trans-1,2-Dichloroethene
Concen: 44.147 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

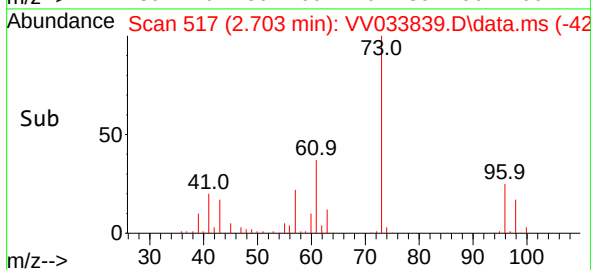
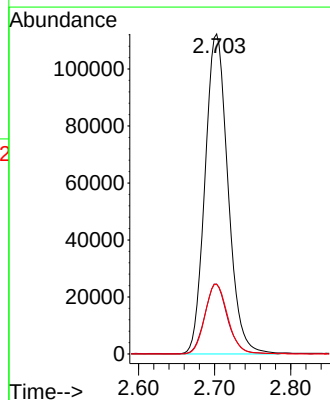
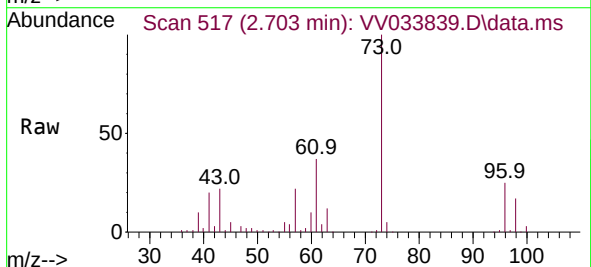
Instrument :
MSVOA_V
ClientSampleId :

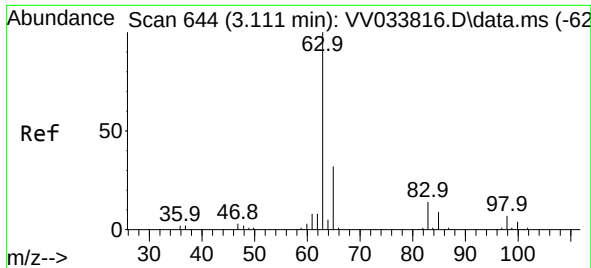
Tgt Ion: 96 Resp: 63388
Ion Ratio Lower Upper
96 100
61 142.9 108.4 201.4
98 63.9 43.8 81.4



#18
Methyl tert-butyl Ether
Concen: 45.578 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion: 73 Resp: 235369
Ion Ratio Lower Upper
73 100
43 21.3 17.4 26.2
57 21.7 18.6 27.8

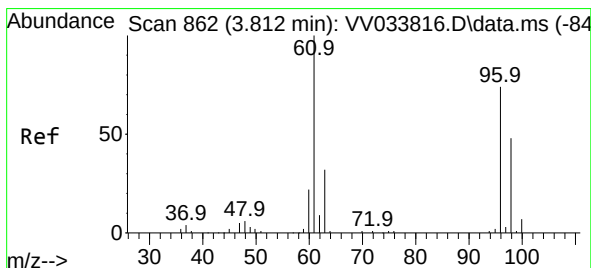
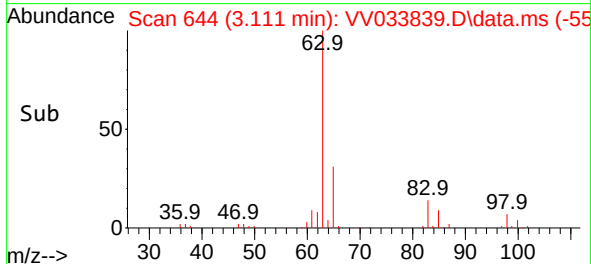
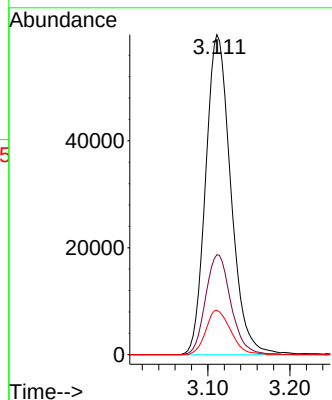
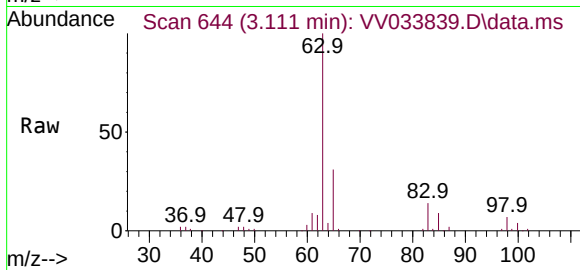




#19
 1,1-Dichloroethane
 Concen: 43.352 ug/L
 RT: 3.111 min Scan# 644
 Delta R.T. -0.000 min
 Lab File: VV033839.D
 Acq: 23 Jan 2024 19:09

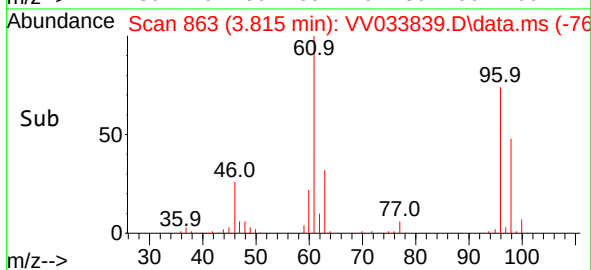
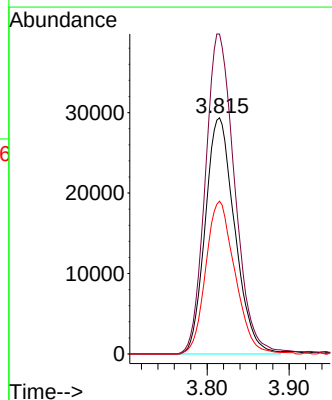
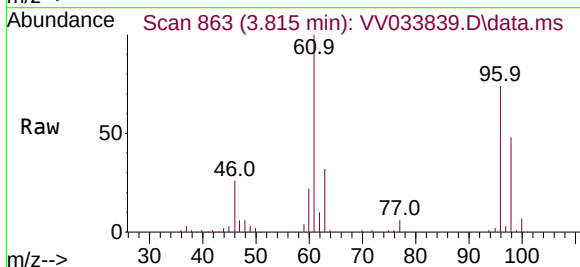
Instrument :
 MSVOA_V
 ClientSampleId :

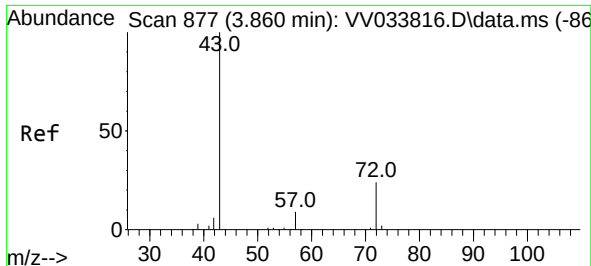
Tgt Ion: 63 Resp: 127259
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.4 41.6
 83 13.9 8.9 16.5



#20
 cis-1,2-Dichloroethene
 Concen: 45.879 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. 0.003 min
 Lab File: VV033839.D
 Acq: 23 Jan 2024 19:09

Tgt Ion: 96 Resp: 73317
 Ion Ratio Lower Upper
 96 100
 61 135.4 100.6 186.8
 98 64.7 44.6 82.8

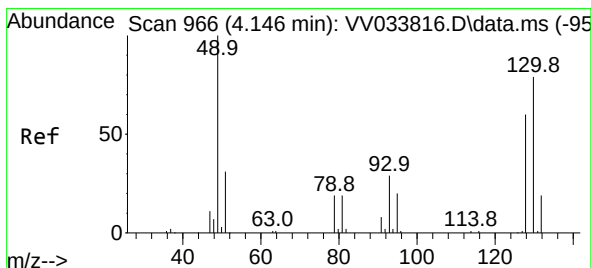
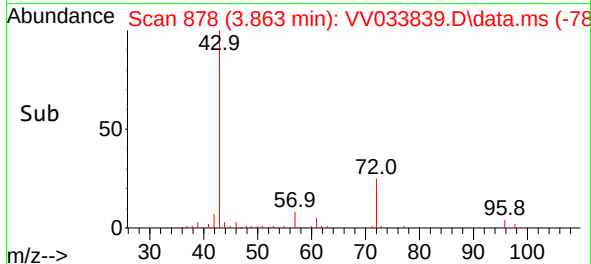
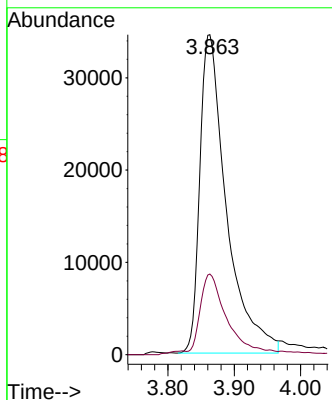
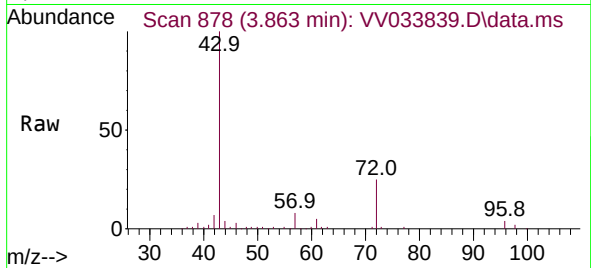




#22
2-Butanone
Concen: 73.470 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

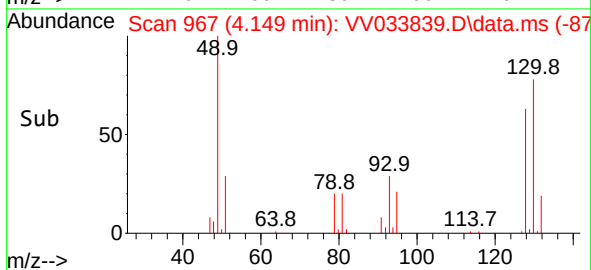
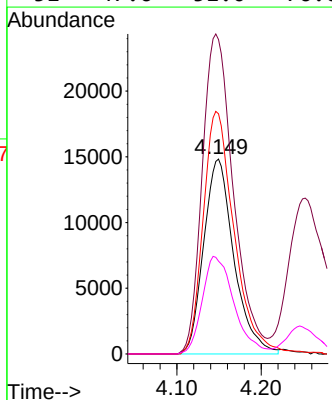
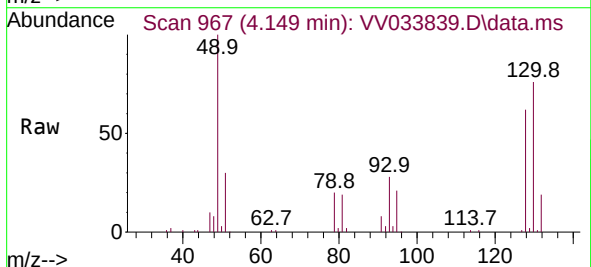
Instrument :
MSVOA_V
ClientSampleId :

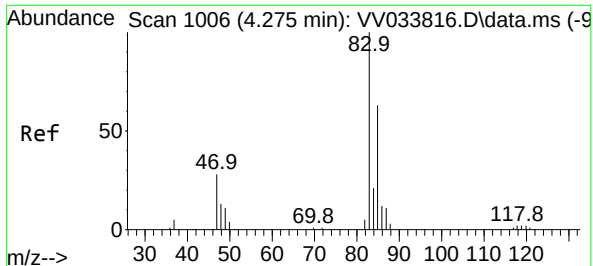
Tgt Ion: 43 Resp: 96326
Ion Ratio Lower Upper
43 100
72 23.1 11.9 35.5



#23
Bromochloromethane
Concen: 47.674 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion:128 Resp: 37011
Ion Ratio Lower Upper
128 100
49 161.3 143.9 267.2
130 123.2 90.6 168.2
51 47.6 51.0 76.6#





#25

Chloroform

Concen: 46.636 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

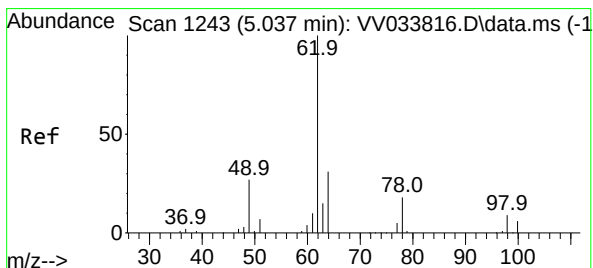
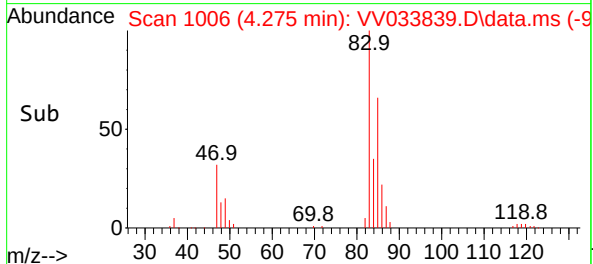
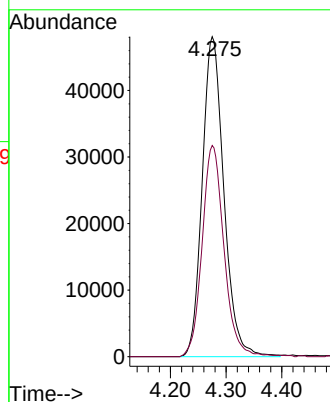
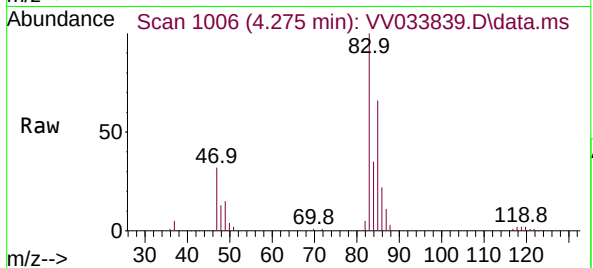
ClientSampleId :

Tgt Ion: 83 Resp: 129797

Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.9



#27

1,2-Dichloroethane

Concen: 46.796 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033839.D

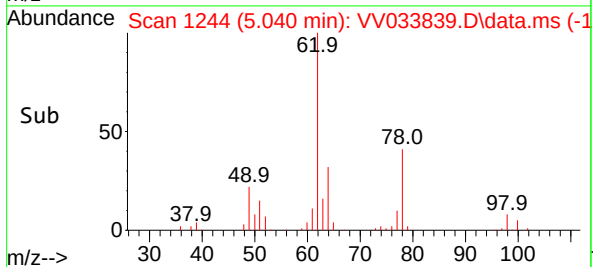
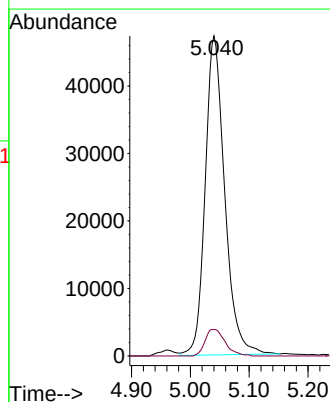
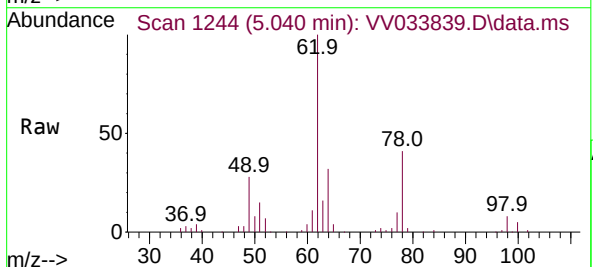
Acq: 23 Jan 2024 19:09

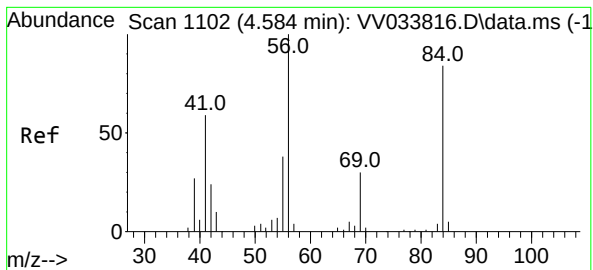
Tgt Ion: 62 Resp: 108784

Ion Ratio Lower Upper

62 100

98 8.2 6.8 10.2





#29

Cyclohexane

Concen: 40.835 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

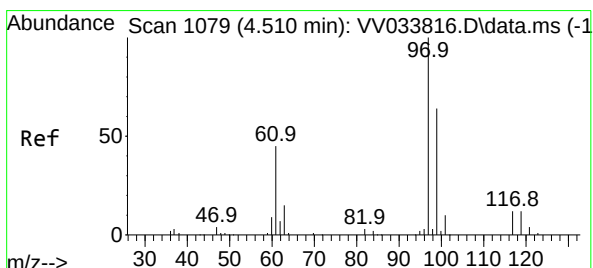
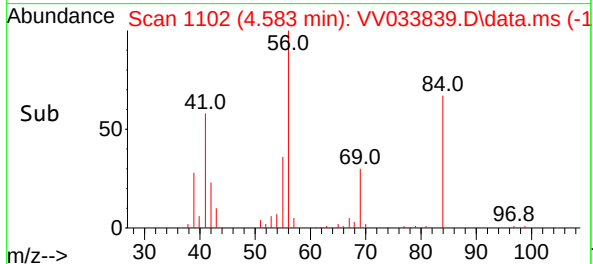
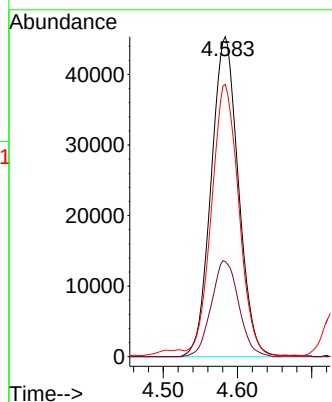
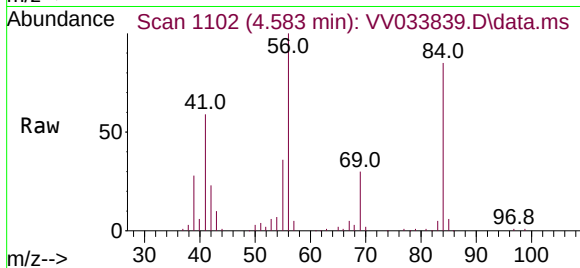
Tgt Ion: 56 Resp: 115731

Ion Ratio Lower Upper

56 100

69 30.2 23.8 35.6

84 85.5 63.8 95.6



#30

1,1,1-Trichloroethane

Concen: 49.837 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

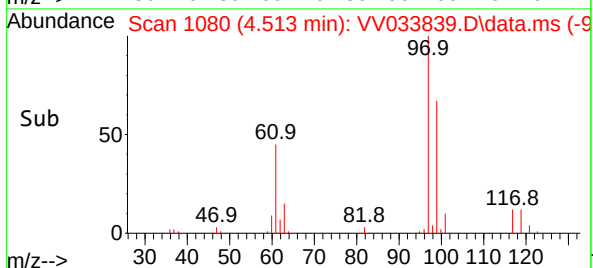
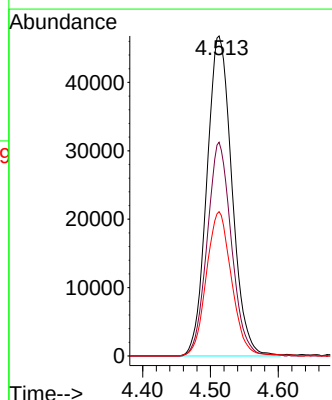
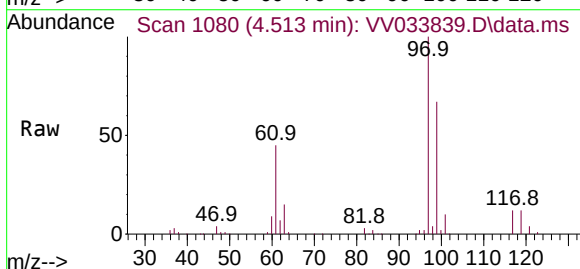
Tgt Ion: 97 Resp: 120232

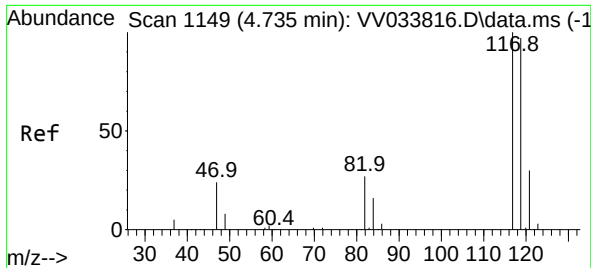
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 45.1 38.2 57.2

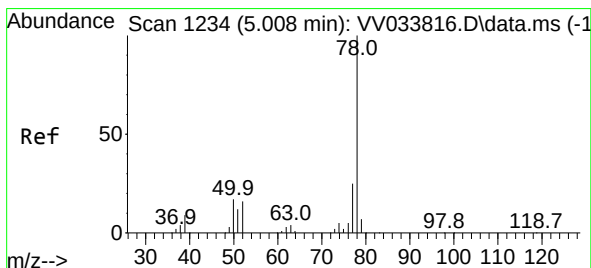
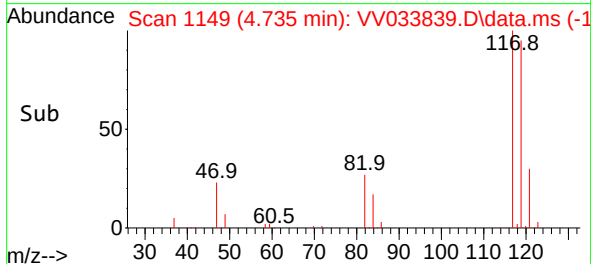
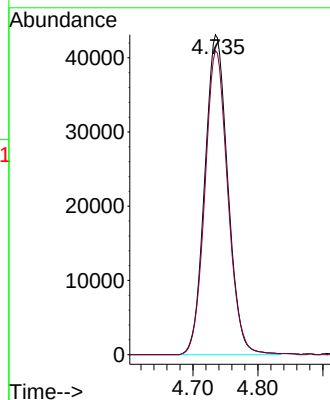
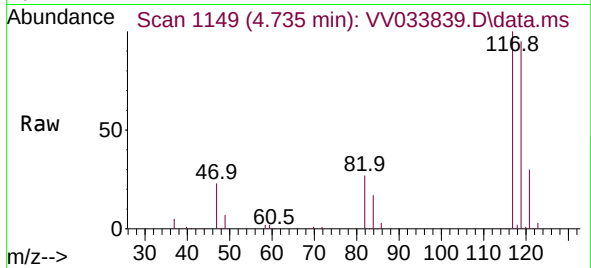




#31
Carbon tetrachloride
Concen: 51.716 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

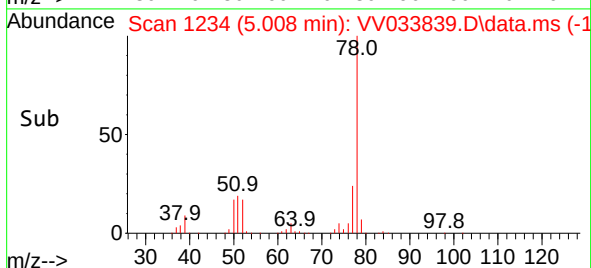
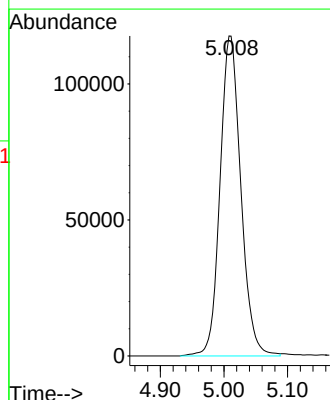
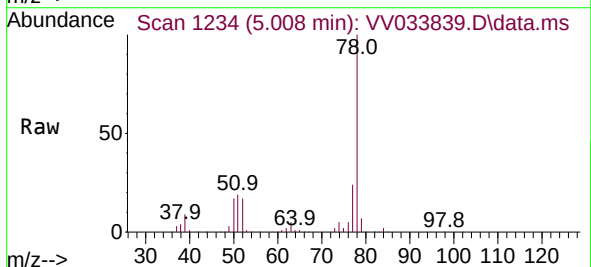
Instrument :
MSVOA_V
ClientSampleId :

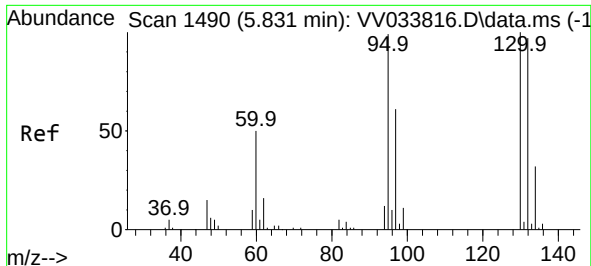
Tgt Ion:117 Resp: 106496
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.4



#33
Benzene
Concen: 45.273 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion: 78 Resp: 267323

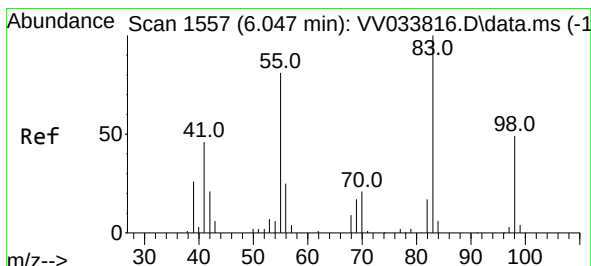
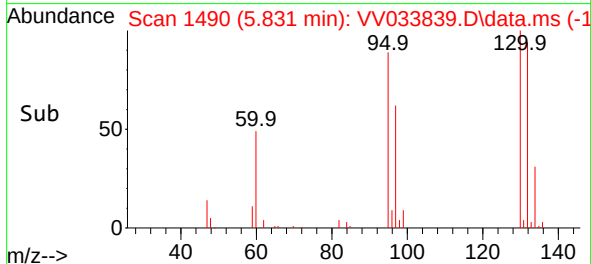
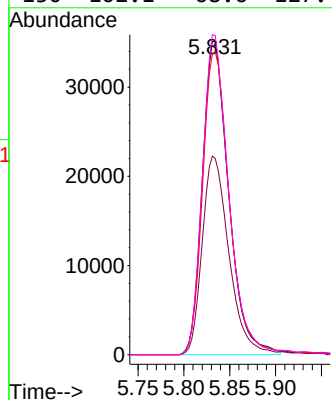
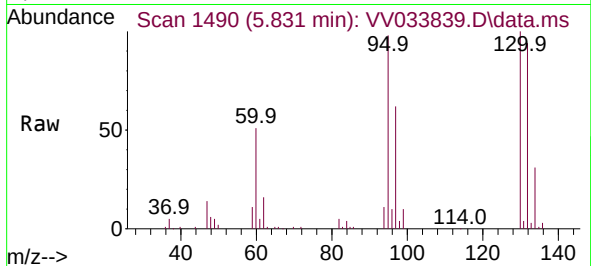




#34
Trichloroethene
Concen: 44.308 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

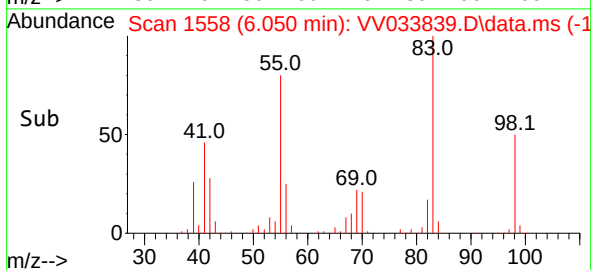
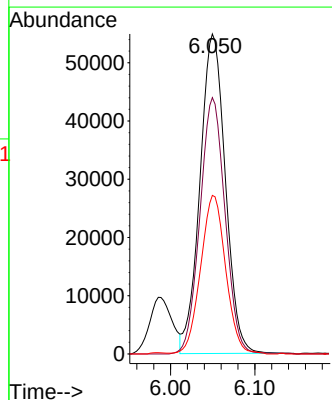
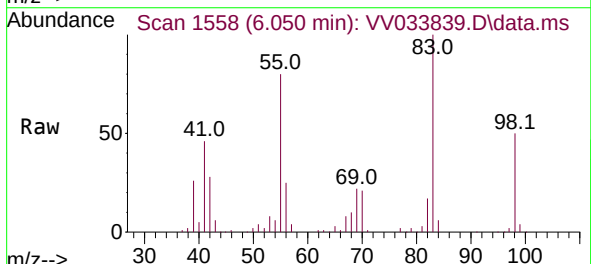
Instrument :
MSVOA_V
ClientSampleId :

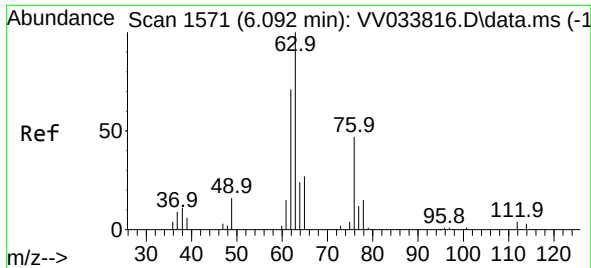
Tgt Ion: 95 Resp: 70180
Ion Ratio Lower Upper
95 100
97 63.4 44.4 82.4
132 96.0 65.5 121.7
130 102.1 68.6 127.4



#35
Methylcyclohexane
Concen: 42.404 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion: 83 Resp: 114941
Ion Ratio Lower Upper
83 100
55 79.4 67.1 100.7
98 49.1 37.7 56.5

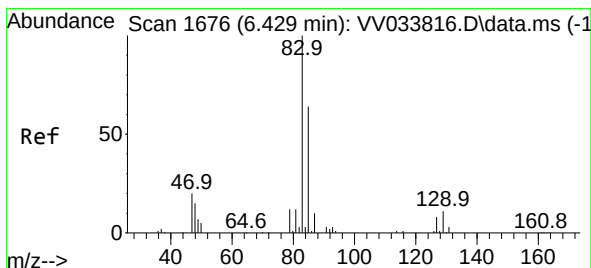
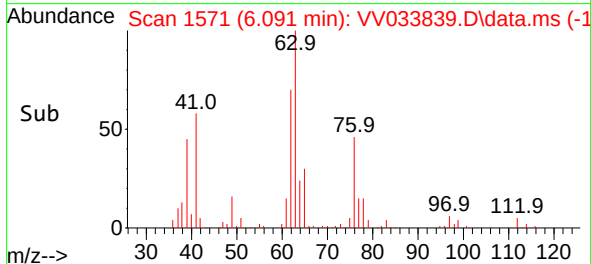
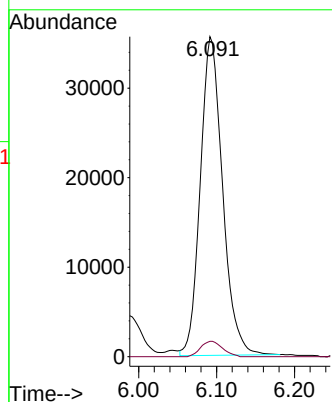
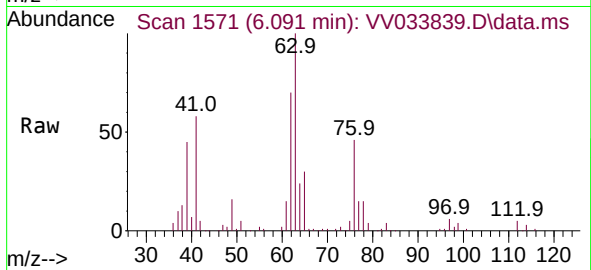




#37
1,2-Dichloropropane
Concen: 43.481 ug/L
RT: 6.091 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

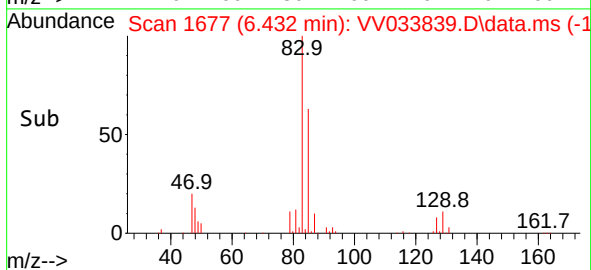
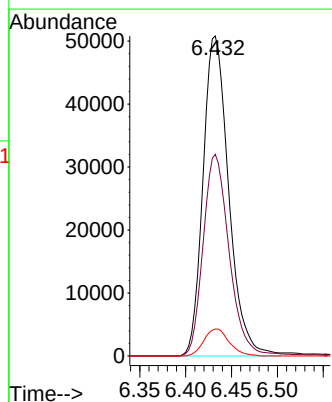
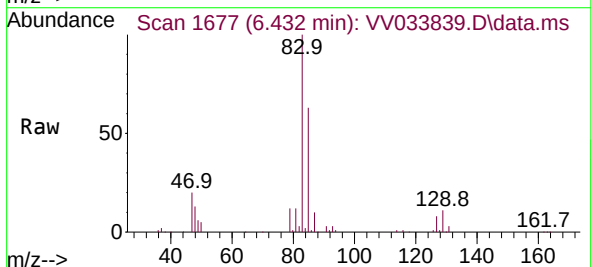
Instrument :
MSVOA_V
ClientSampleId :

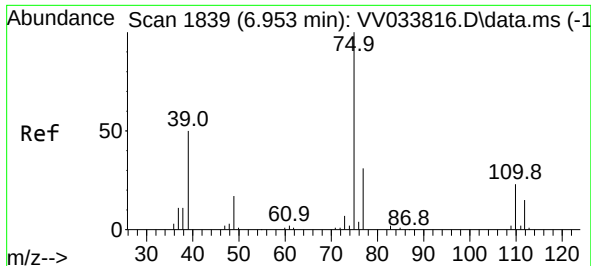
Tgt Ion: 63 Resp: 70649
Ion Ratio Lower Upper
63 100
112 4.8 3.1 4.7#



#38
Bromodichloromethane
Concen: 46.599 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion: 83 Resp: 99051
Ion Ratio Lower Upper
83 100
85 63.0 45.1 83.7
127 8.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 40.892 ug/L

RT: 6.953 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

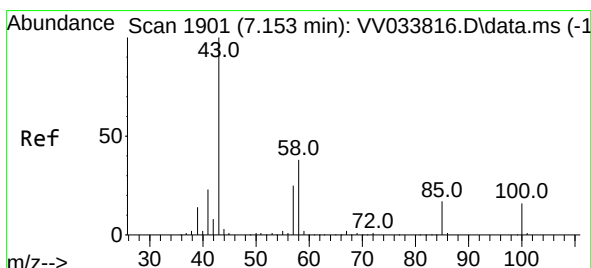
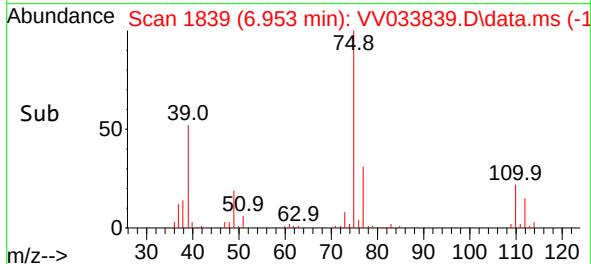
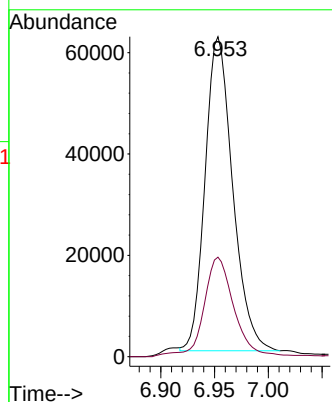
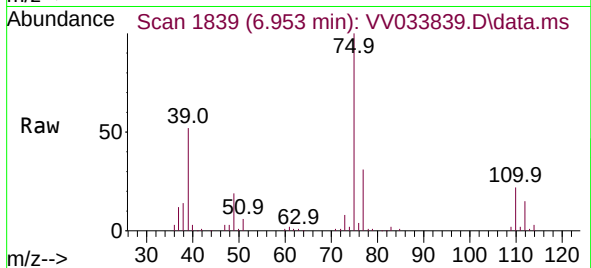
ClientSampleId :

Tgt Ion: 75 Resp: 110954

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 77.932 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

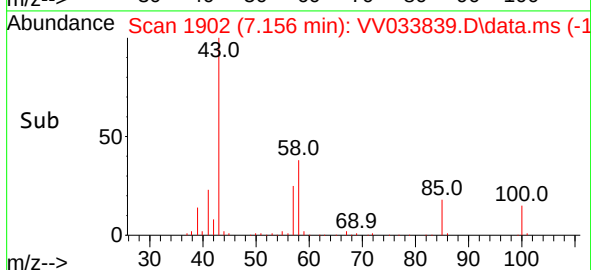
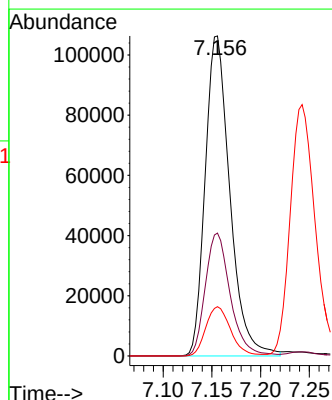
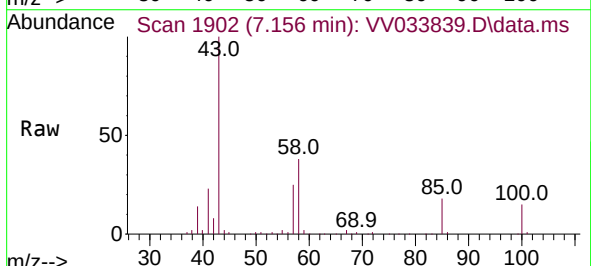
Tgt Ion: 43 Resp: 187627

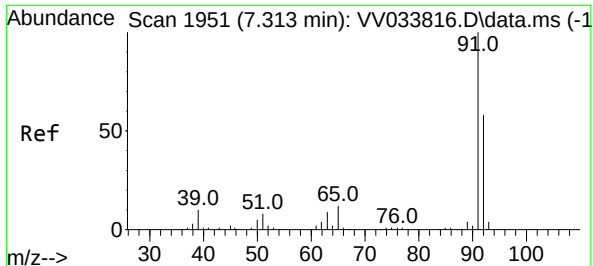
Ion Ratio Lower Upper

43 100

58 38.6 29.6 44.4

100 15.5 10.6 16.0





#42

Toluene

Concen: 45.835 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

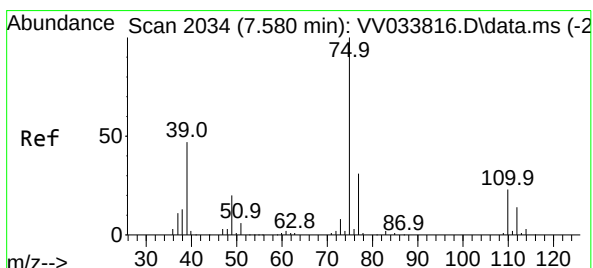
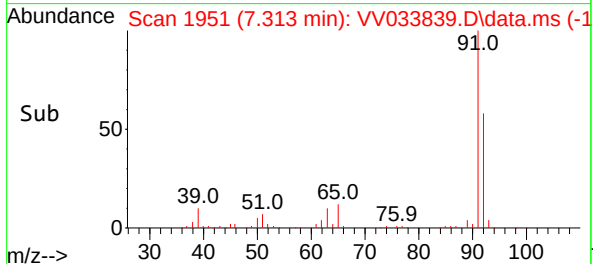
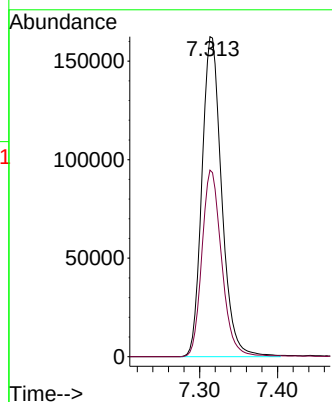
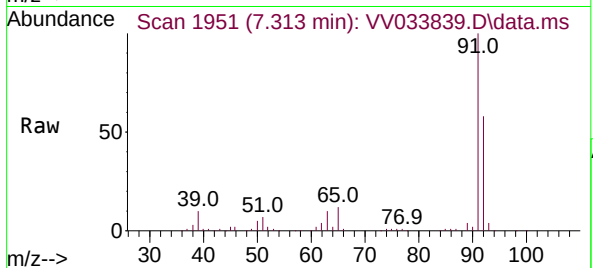
ClientSampleId :

Tgt Ion: 91 Resp: 286088

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 44.793 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV033839.D

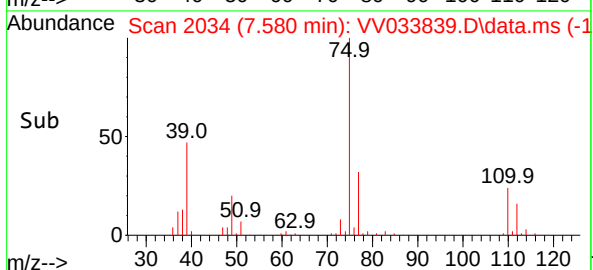
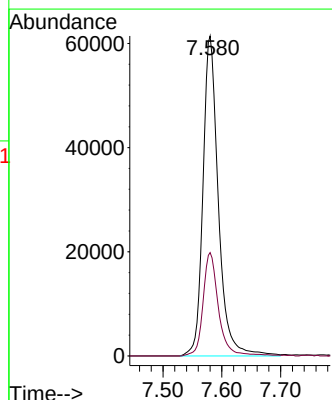
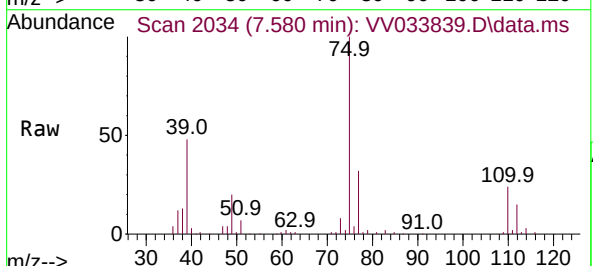
Acq: 23 Jan 2024 19:09

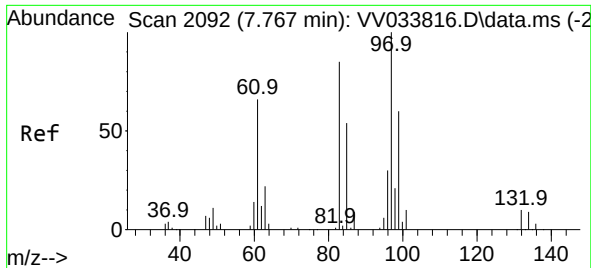
Tgt Ion: 75 Resp: 112001

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.0

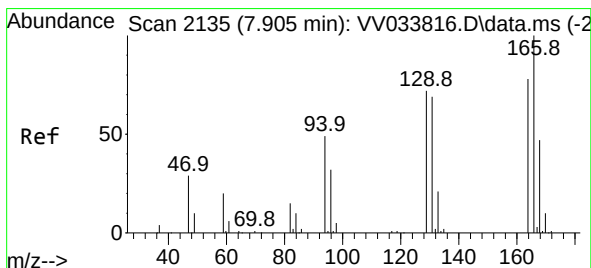
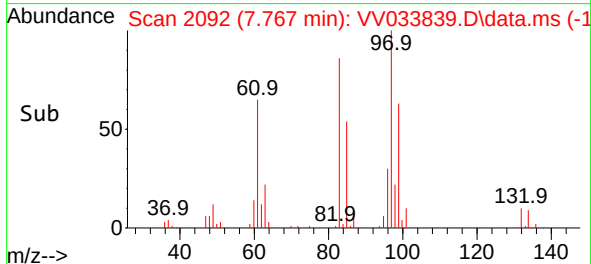
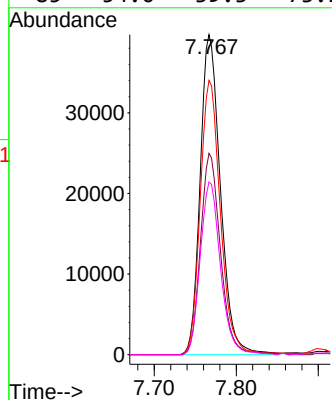
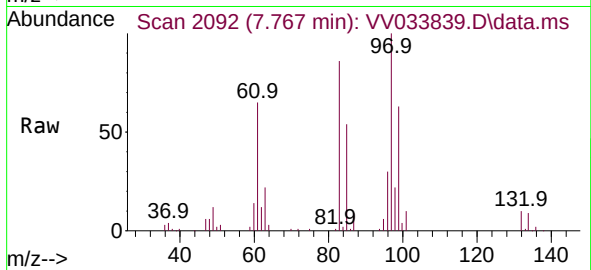




#45
1,1,2-Trichloroethane
Concen: 46.270 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

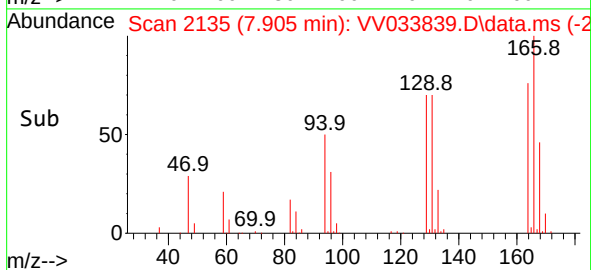
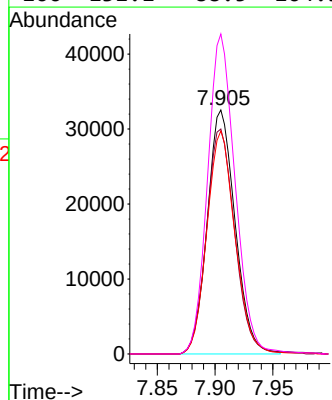
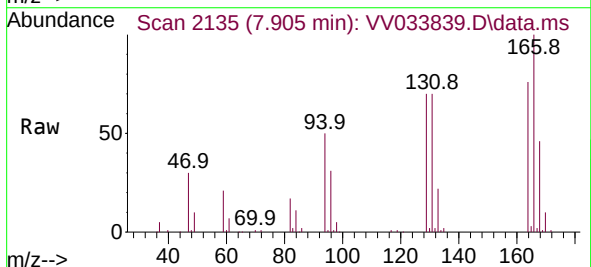
Instrument :
MSVOA_V
ClientSampleId :

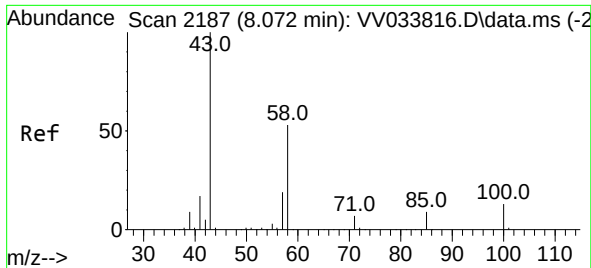
Tgt Ion:	97	Resp:	68214
Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.8	79.6
83	85.7	61.2	113.8
85	54.0	39.3	73.1



#46
Tetrachloroethene
Concen: 47.021 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion:	164	Resp:	54627
Ion	Ratio	Lower	Upper
164	100		
129	92.2	66.1	122.7
131	91.4	65.9	122.5
166	131.1	88.5	164.3

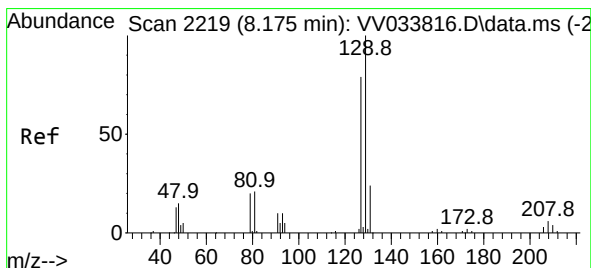
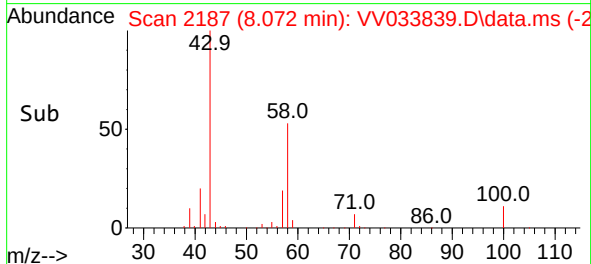
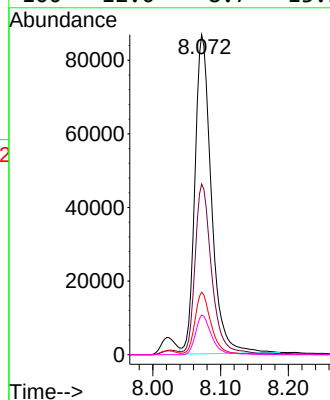
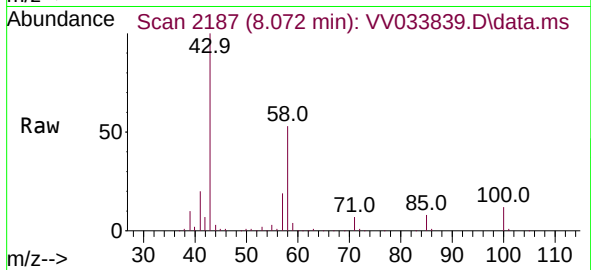




#48
2-Hexanone
Concen: 76.432 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

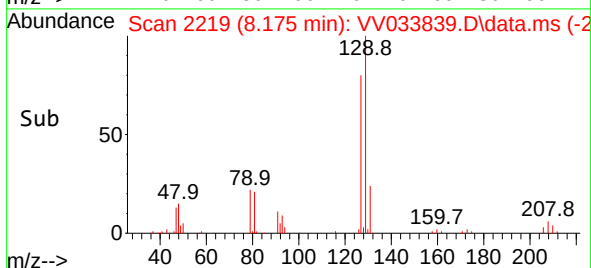
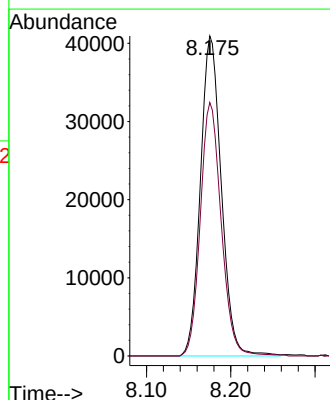
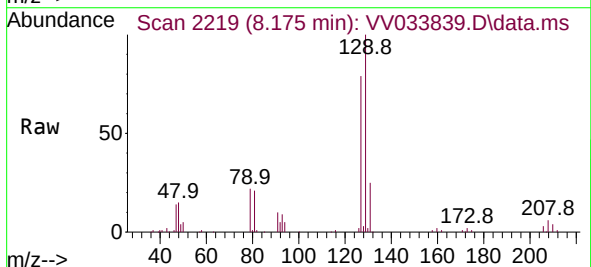
Instrument :
MSVOA_V
ClientSampleId :

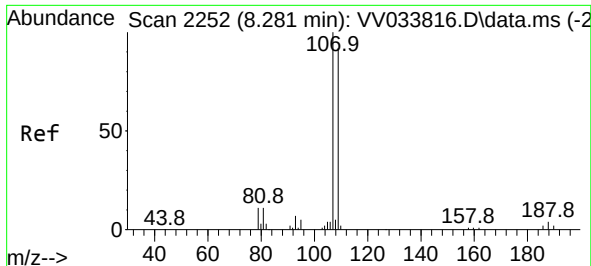
Tgt Ion: 43 Resp: 146627
Ion Ratio Lower Upper
43 100
58 53.0 42.3 63.5
57 18.4 14.2 21.2
100 12.0 8.7 13.1



#49
Dibromochloromethane
Concen: 46.051 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion: 129 Resp: 70709
Ion Ratio Lower Upper
129 100
127 79.2 54.5 101.3





#50

1,2-Dibromoethane

Concen: 44.773 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

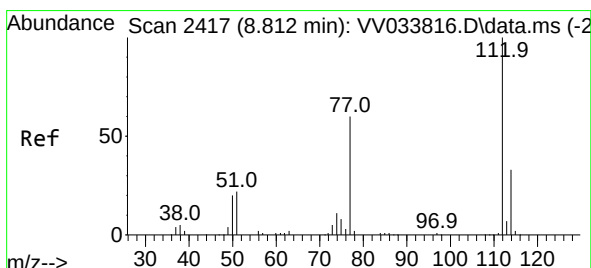
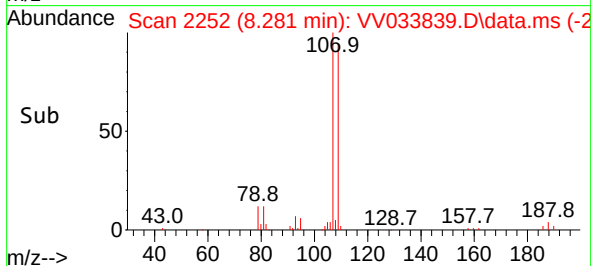
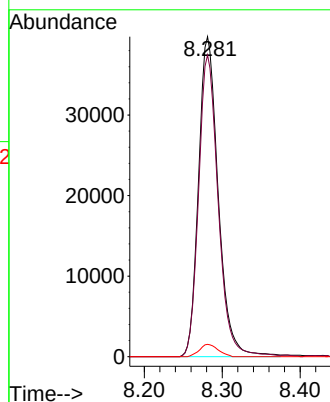
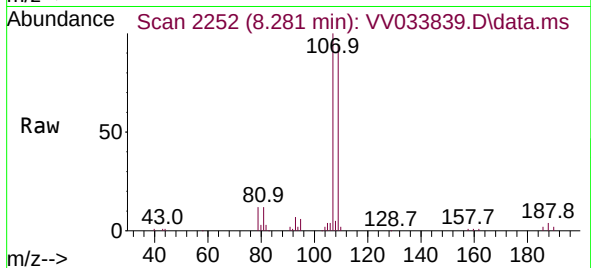
Tgt Ion:107 Resp: 69755

Ion Ratio Lower Upper

107 100

109 94.3 66.4 123.4

188 3.9 2.7 4.1



#51

Chlorobenzene

Concen: 46.246 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

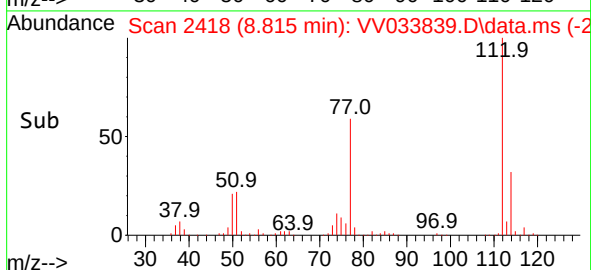
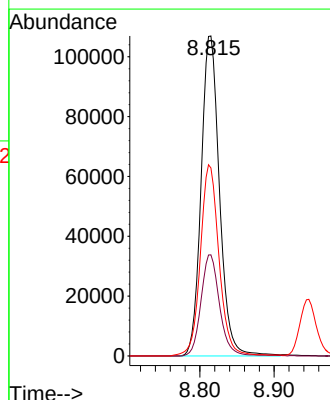
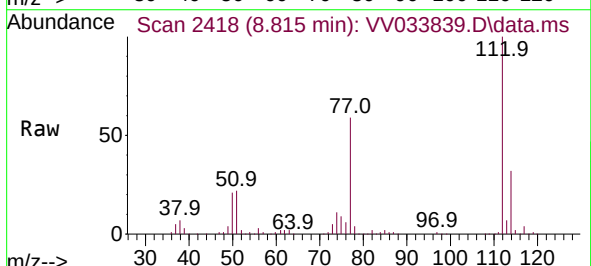
Tgt Ion:112 Resp: 183872

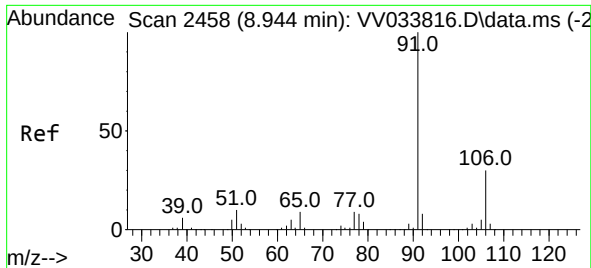
Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.7

77 58.8 49.4 74.0

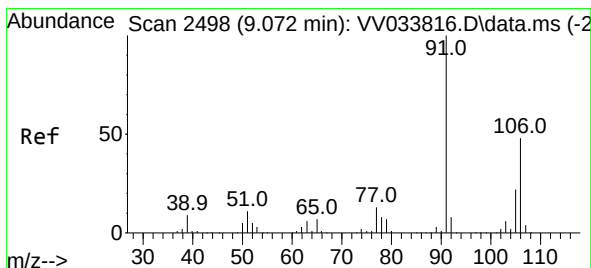
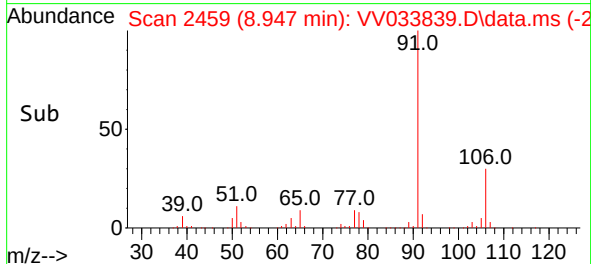
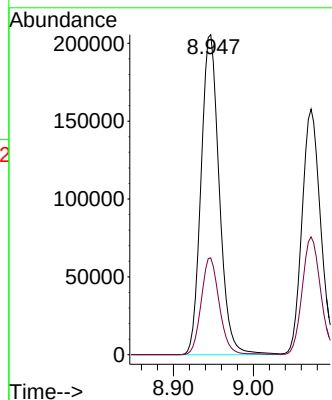
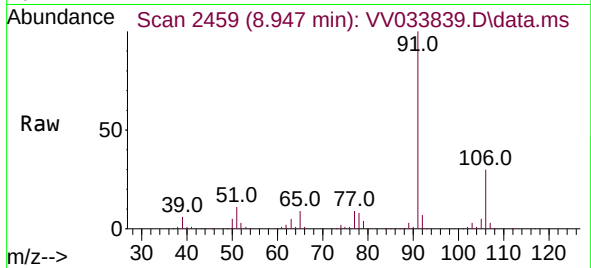




#52
Ethylbenzene
Concen: 45.185 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

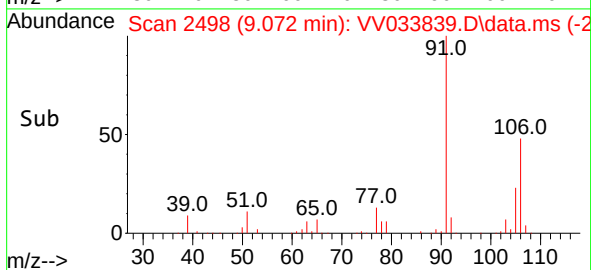
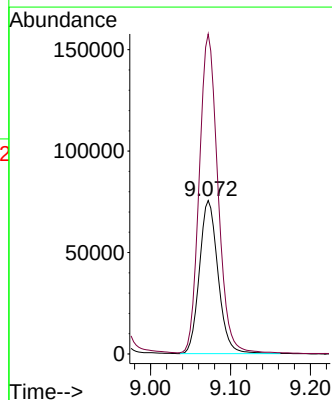
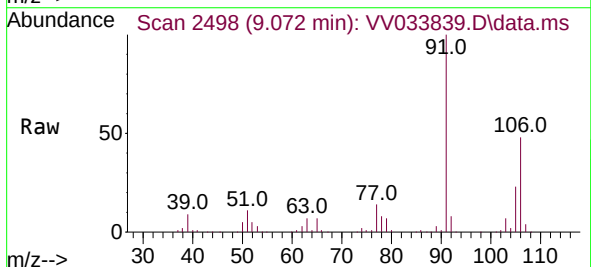
Instrument :
MSVOA_V
ClientSampleId :

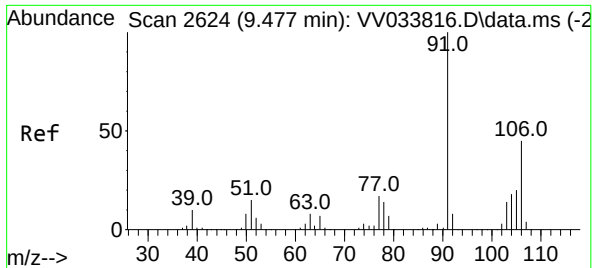
Tgt Ion: 91 Resp: 326664
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 45.669 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion:106 Resp: 121889
Ion Ratio Lower Upper
106 100
91 208.5 146.1 271.3

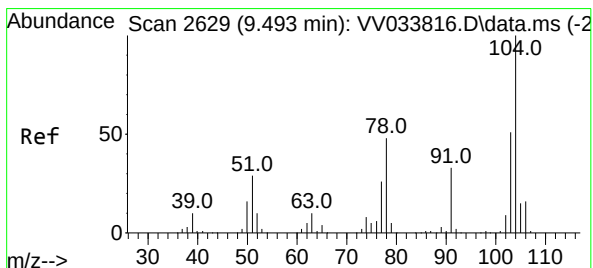
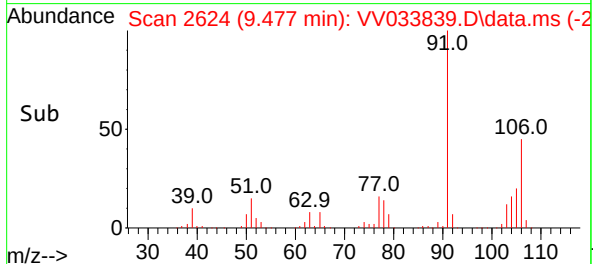
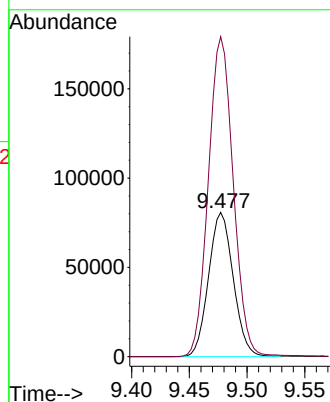
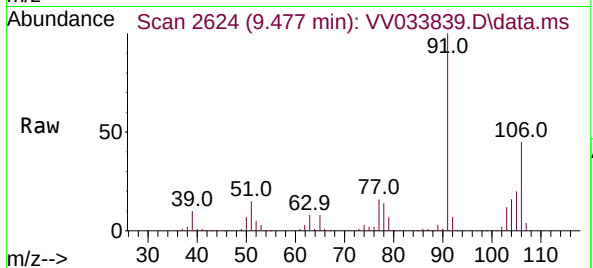




#54
o-Xylene
Concen: 45.484 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

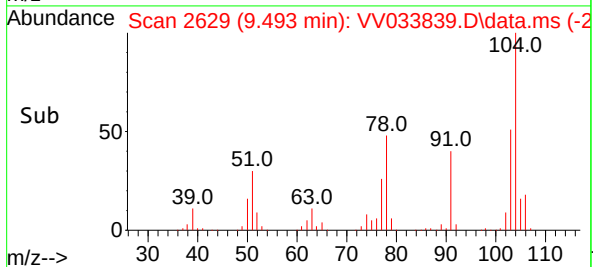
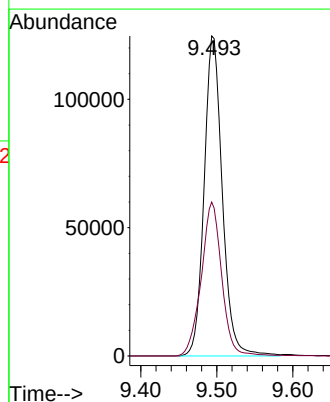
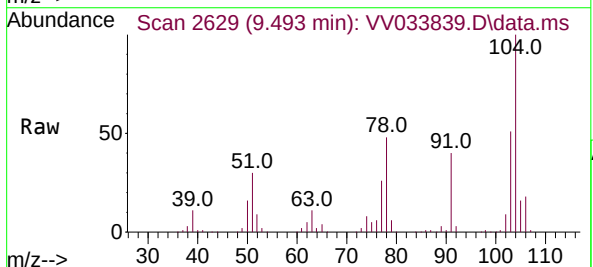
Instrument :
MSVOA_V
ClientSampleId :

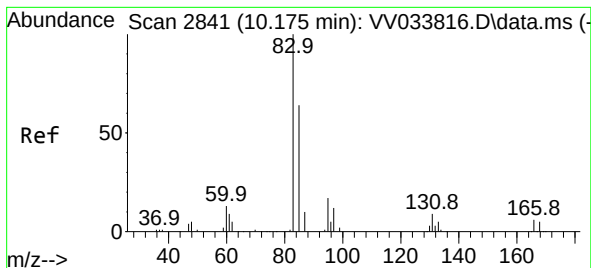
Tgt Ion:106 Resp: 120181
Ion Ratio Lower Upper
106 100
91 221.8 155.2 288.2



#55
Styrene
Concen: 45.490 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion:104 Resp: 207519
Ion Ratio Lower Upper
104 100
78 48.1 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 42.214 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

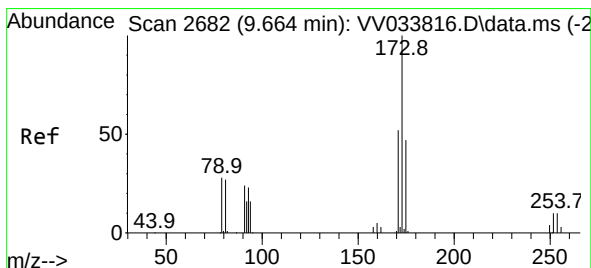
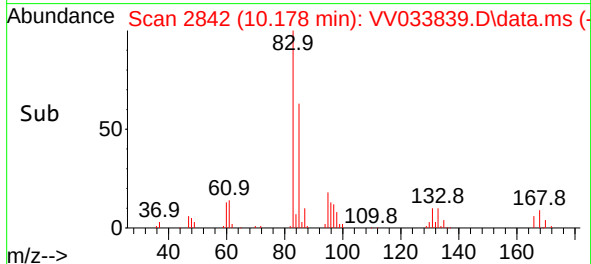
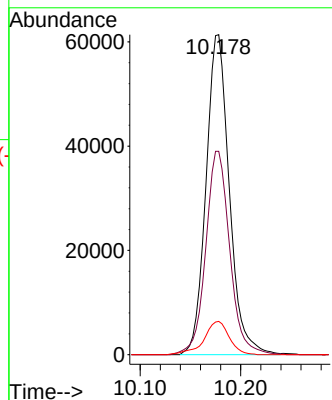
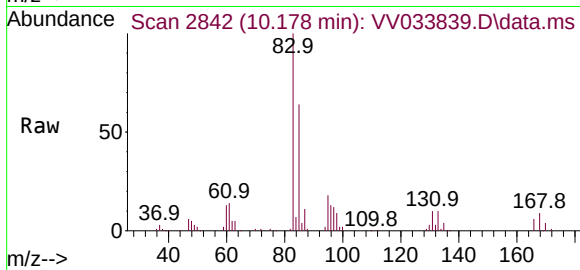
Tgt Ion: 83 Resp: 99043

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.5

131 10.4 7.5 11.3



#59

Bromoform

Concen: 45.920 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

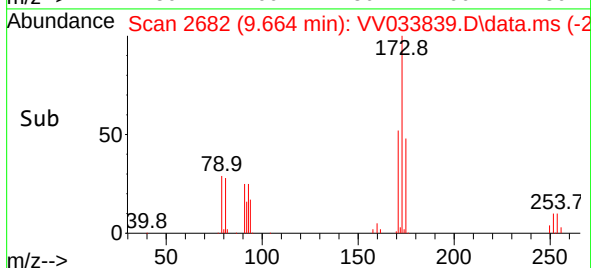
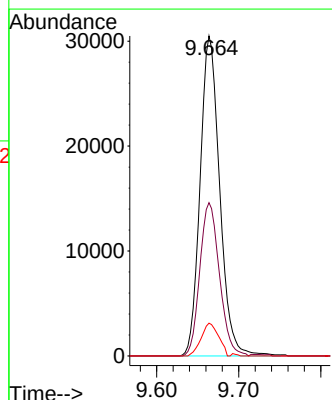
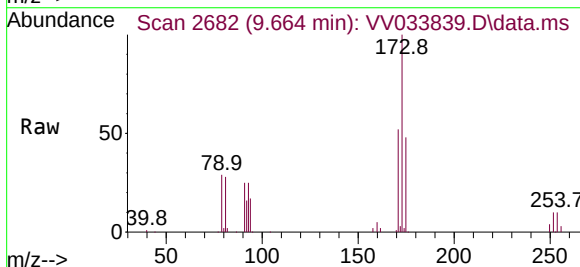
Tgt Ion: 173 Resp: 50606

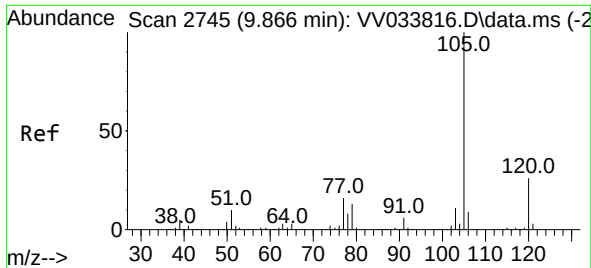
Ion Ratio Lower Upper

173 100

175 47.8 37.2 55.8

254 9.1 7.4 11.0

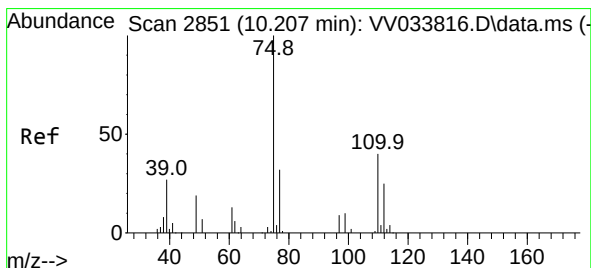
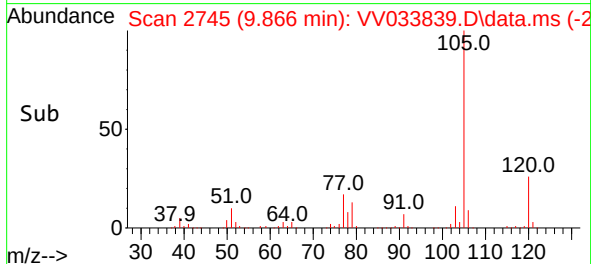
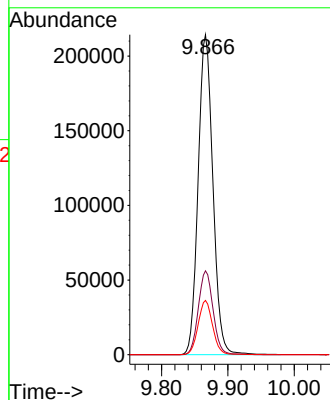
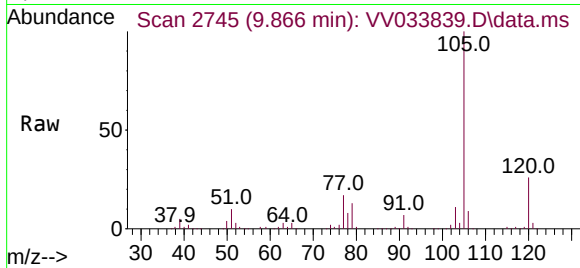




#60
Isopropylbenzene
Concen: 47.180 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

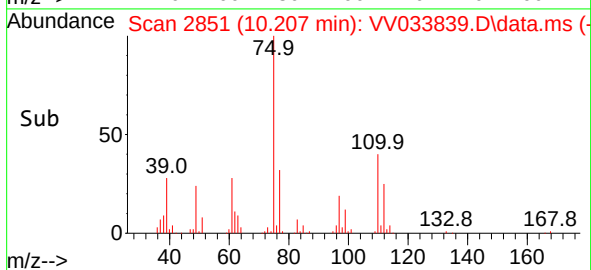
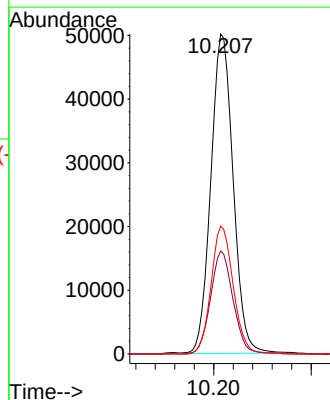
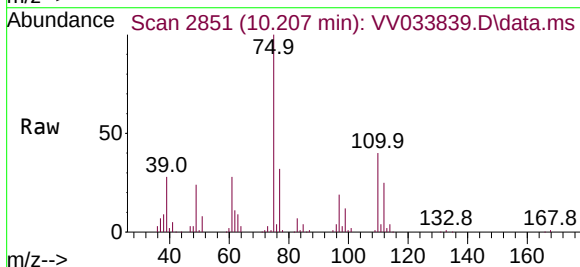
Instrument :
MSVOA_V
ClientSampleId :

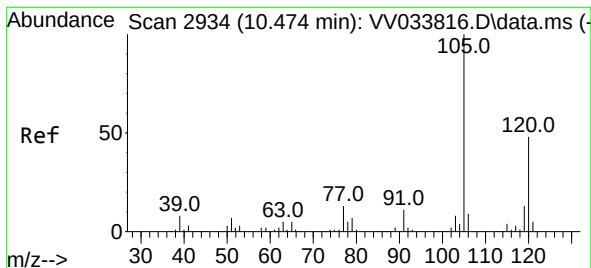
Tgt Ion:105 Resp: 330992
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0
77 16.7 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 43.266 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV033839.D
Acq: 23 Jan 2024 19:09

Tgt Ion: 75 Resp: 79619
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9
110 39.7 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 46.810 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

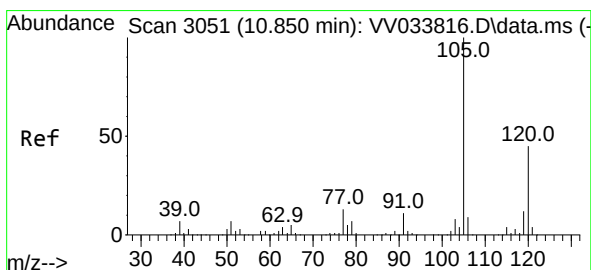
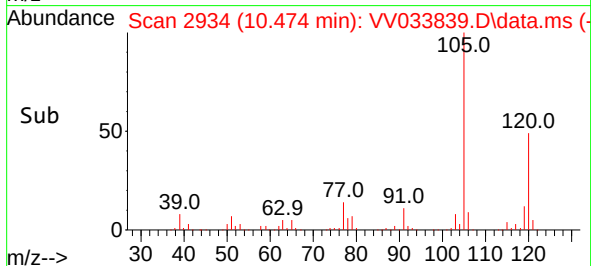
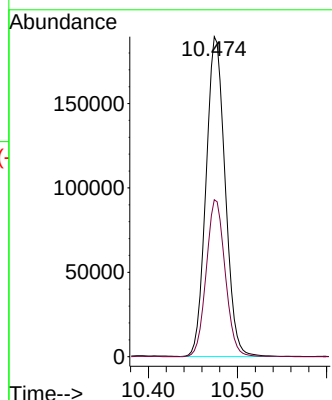
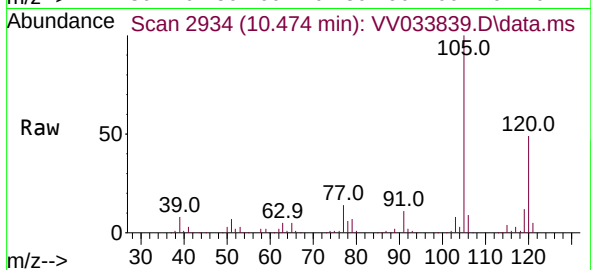
ClientSampleId :

Tgt Ion:105 Resp: 281767

Ion Ratio Lower Upper

105 100

120 48.7 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 47.096 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV033839.D

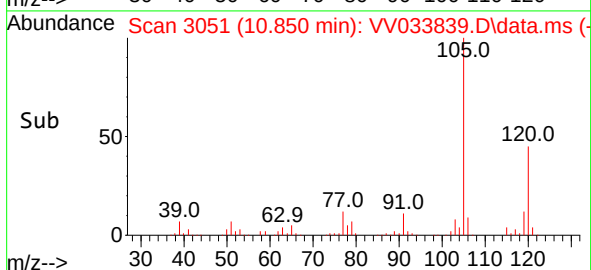
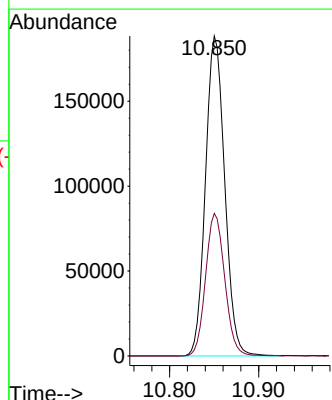
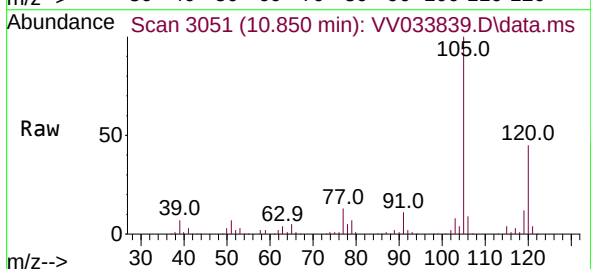
Acq: 23 Jan 2024 19:09

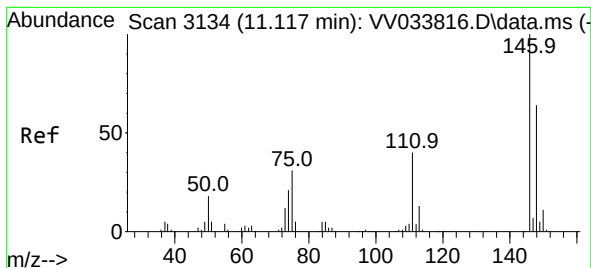
Tgt Ion:105 Resp: 282465

Ion Ratio Lower Upper

105 100

120 44.5 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 47.149 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

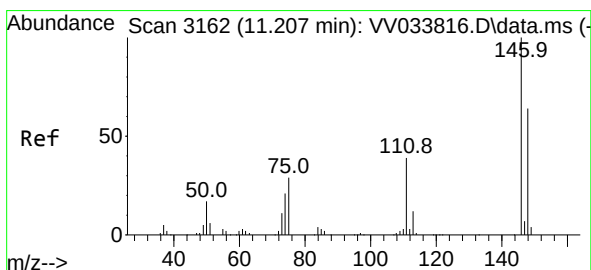
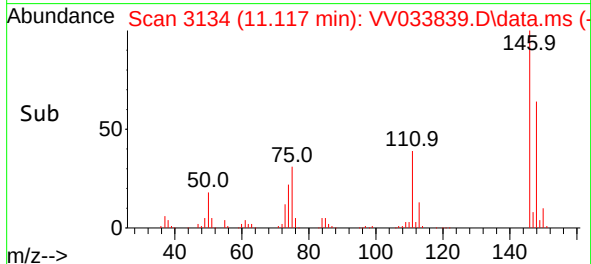
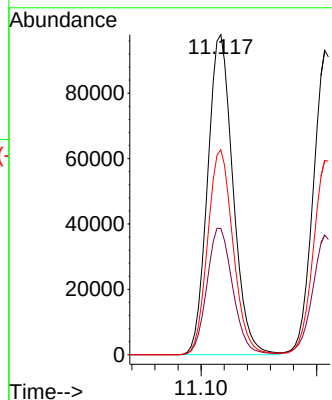
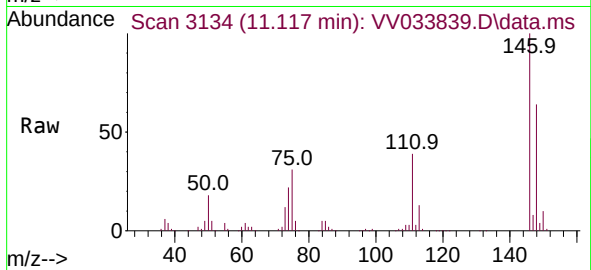
Tgt Ion:146 Resp: 149410

Ion Ratio Lower Upper

146 100

111 39.4 29.0 53.8

148 64.0 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 46.292 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

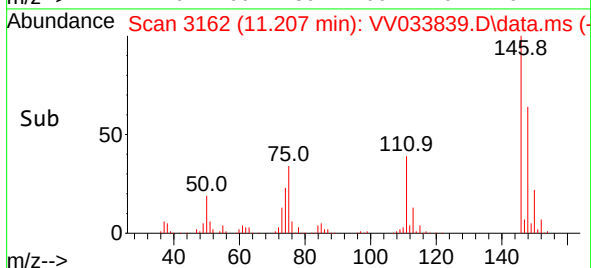
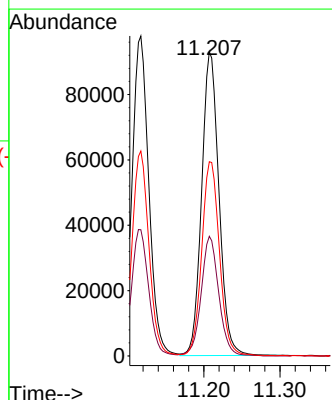
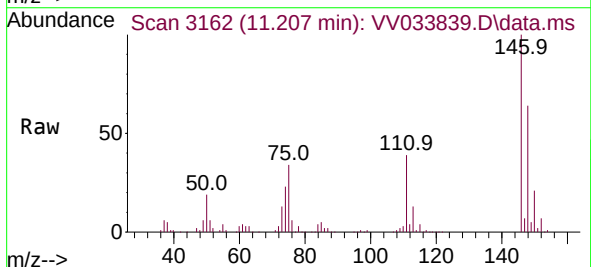
Tgt Ion:146 Resp: 147089

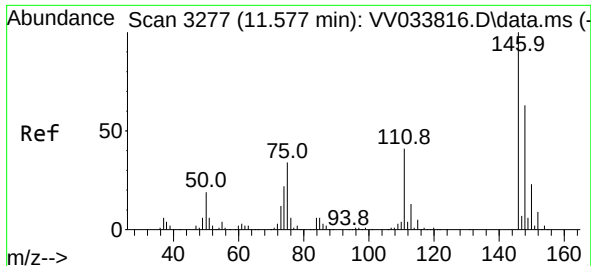
Ion Ratio Lower Upper

146 100

111 39.3 27.7 51.5

148 63.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 47.469 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

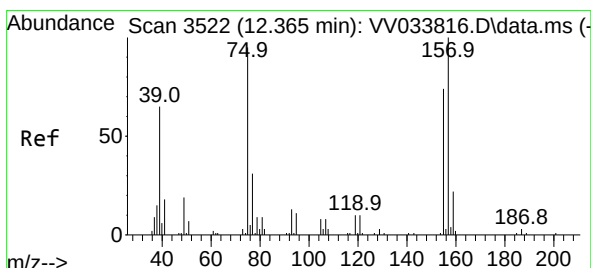
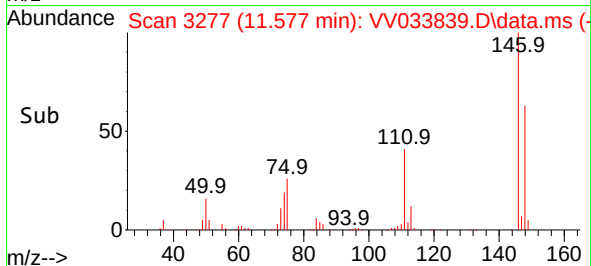
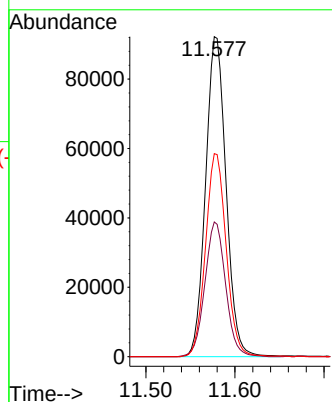
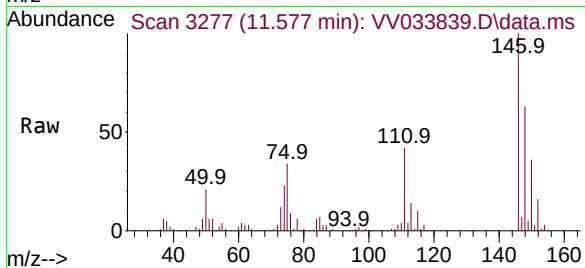
Tgt Ion:146 Resp: 146981

Ion Ratio Lower Upper

146 100

111 42.1 35.4 53.0

148 63.5 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 40.662 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

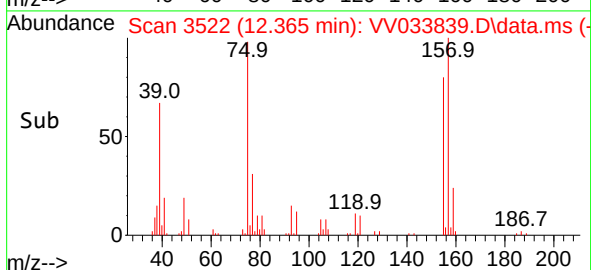
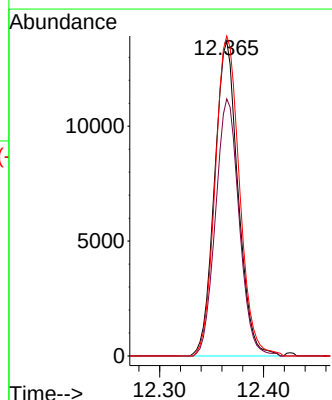
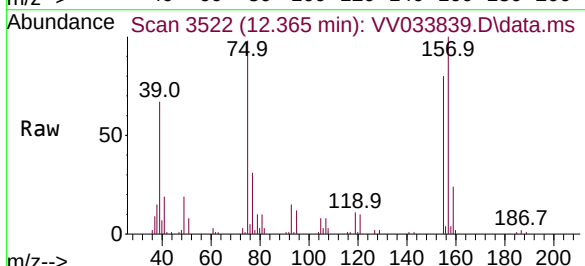
Tgt Ion: 75 Resp: 21593

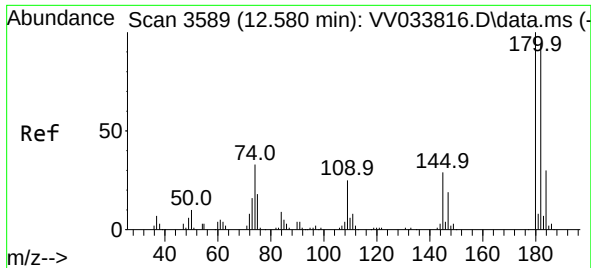
Ion Ratio Lower Upper

75 100

155 81.7 61.6 92.4

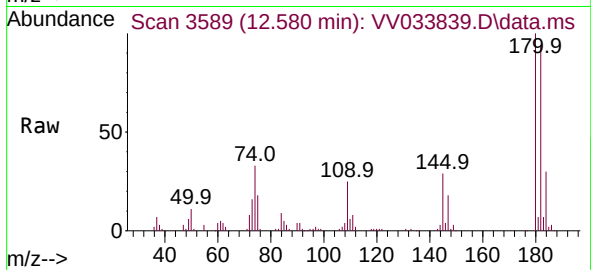
157 101.6 79.2 118.8



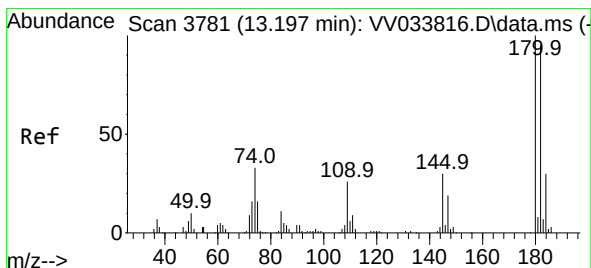
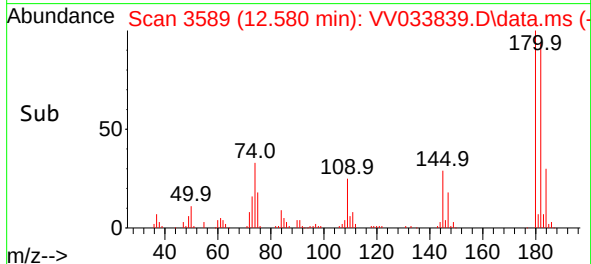
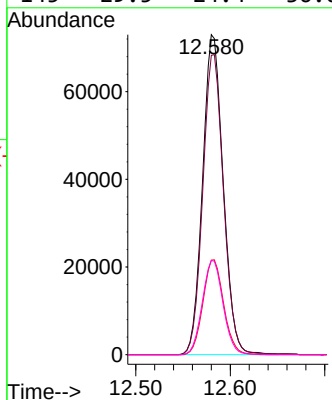


#69
 1,3,5-Trichlorobenzene
 Concen: 47.228 ug/L
 RT: 12.580 min Scan# 3589
 Delta R.T. -0.000 min
 Lab File: VV033839.D
 Acq: 23 Jan 2024 19:09

Instrument :
 MSVOA_V
 ClientSampleId :

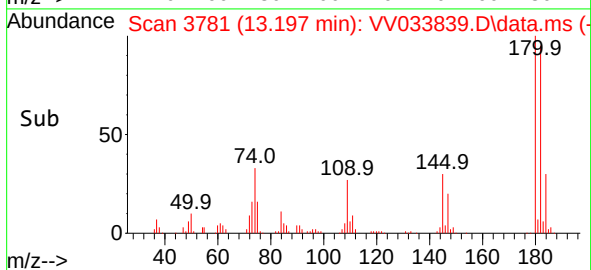
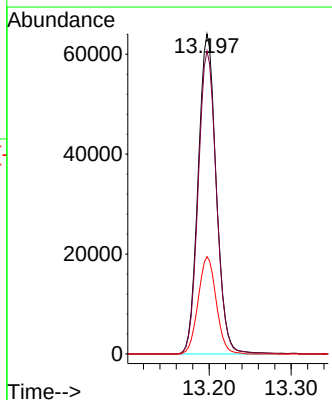
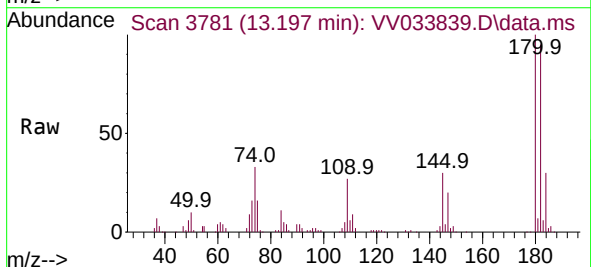


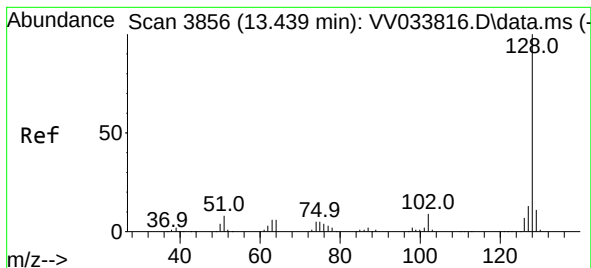
Tgt Ion:180 Resp: 110594
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.2 114.2
 184 29.7 23.9 35.9
 145 29.5 24.4 36.6



#70
 1,2,4-trichlorobenzene
 Concen: 46.160 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. -0.000 min
 Lab File: VV033839.D
 Acq: 23 Jan 2024 19:09

Tgt Ion:180 Resp: 98108
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.3 114.5
 145 30.4 25.4 38.0





#71

Naphthalene

Concen: 40.075 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

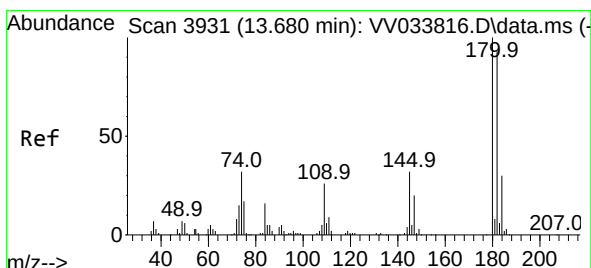
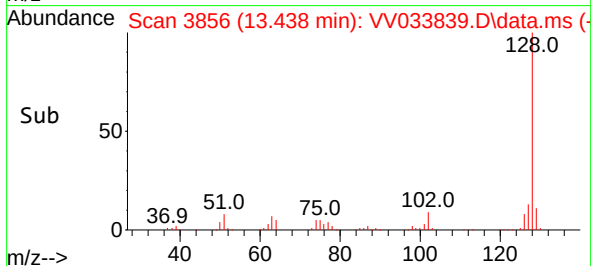
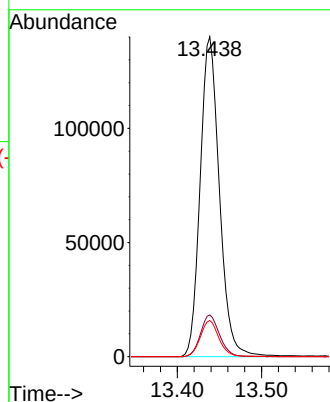
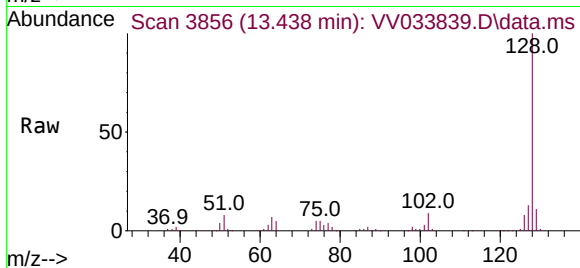
Tgt Ion:128 Resp: 222571

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 47.561 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033839.D

Acq: 23 Jan 2024 19:09

Tgt Ion:180 Resp: 94353

Ion Ratio Lower Upper

180 100

182 94.9 76.0 114.0

145 31.8 26.3 39.5

