

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091423\
 Data File : VV032106.D
 Acq On : 14 Sep 2023 22:34
 Operator : SY/MD
 Sample : 04439-05MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 15 08:07:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	240750	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	231130	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	124697	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	52457	34.816	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.640%
7) Chloroethane-d5	1.529	69	48596	36.793	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.580%
11) 1,1-Dichloroethene-d2	2.059	65	23816	33.757	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.520%
21) 2-Butanone-d5	3.789	46	130224	109.892	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.890%
24) Chloroform-d	4.252	84	137553	41.768	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.540%
26) 1,2-Dichloroethane-d4	4.944	65	84889	38.842	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.680%
32) Benzene-d6	4.963	84	252180	39.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.980%
36) 1,2-Dichloropropane-d6	5.992	67	88506	43.600	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.200%
41) Toluene-d8	7.246	98	224487	38.630	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.260%#
43) trans-1,3-Dichloroprop...	7.554	79	41554	39.494	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.980%
47) 2-Hexanone-d5	8.027	63	85300	137.099	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	137.100%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	138958	52.973	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.940%
66) 1,2-Dichlorobenzene-d4	11.564	152	96719	42.548	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	59126	40.342	ug/L	98
3) Chloromethane	1.214	50	69765	46.681	ug/L	97
5) Vinyl chloride	1.281	62	71100	44.548	ug/L	99
6) Bromomethane	1.481	94	42404	45.123	ug/L	99
8) Chloroethane	1.545	64	49654	46.812	ug/L	97
9) Trichlorofluoromethane	1.712	101	105422	45.312	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	65859	46.882	ug/L	98
12) 1,1-Dichloroethene	2.069	96	58313	46.215	ug/L	81
13) Acetone	2.111	43	85912	81.454	ug/L	100
14) Carbon disulfide	2.240	76	125054	43.496	ug/L	99
15) Methyl Acetate	2.375	43	93417	49.661	ug/L	99
16) Methylene chloride	2.445	84	81158	50.053	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	66076	47.766	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	281365	48.127	ug/L	98
19) 1,1-Dichloroethane	3.114	63	155312	50.099	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	87790	50.585	ug/L	95
22) 2-Butanone	3.870	43	141606	101.463	ug/L	95
23) Bromochloromethane	4.149	128	43462	51.618	ug/L	97
25) Chloroform	4.278	83	158298	49.111	ug/L	99

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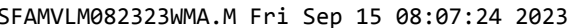
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 ClientSampleId :

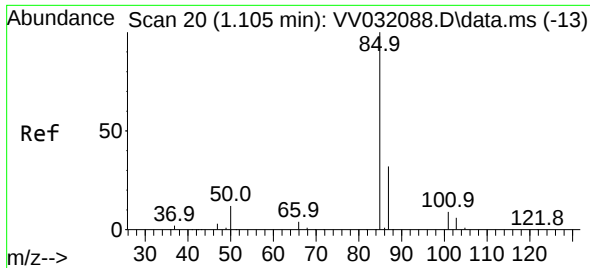
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	117219	46.161	ug/L	96
29) Cyclohexane	4.587	56	109184	45.370	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	128430	47.638	ug/L	98
31) Carbon tetrachloride	4.738	117	103760	45.325	ug/L	99
33) Benzene	5.011	78	315053	50.731	ug/L	100
34) Trichloroethene	5.837	95	83289	43.852	ug/L	98
35) Methylcyclohexane	6.053	83	102212	40.460	ug/L	94
37) 1,2-Dichloropropane	6.095	63	91221	51.822	ug/L	100
38) Bromodichloromethane	6.435	83	124991	50.025	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	145426	47.518	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	308444	110.399	ug/L	99
42) Toluene	7.316	91	334565	48.974	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	133376	45.358	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	95252	53.561	ug/L	99
46) Tetrachloroethene	7.908	164	57105	47.884	ug/L	99
48) 2-Hexanone	8.079	43	230452	108.010	ug/L	99
49) Dibromochloromethane	8.181	129	92151	50.426	ug/L	99
50) 1,2-Dibromoethane	8.284	107	95552	51.299	ug/L	100
51) Chlorobenzene	8.818	112	226610	49.922	ug/L	98
52) Ethylbenzene	8.950	91	388945	48.064	ug/L	99
53) m,p-Xylene	9.075	106	142530	47.437	ug/L	96
54) o-Xylene	9.480	106	145147	48.572	ug/L	99
55) Styrene	9.500	104	256543	48.563	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	158522	62.968	ug/L	98
59) Bromoform	9.667	173	67631	52.302	ug/L	99
60) Isopropylbenzene	9.869	105	398322	47.692	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	122016	51.792	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	321751	45.791	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	325541	46.055	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	185247	49.491	ug/L	97
65) 1,4-Dichlorobenzene	11.213	146	188268	49.465	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	188324	50.774	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	33037	46.686	ug/L	90
69) 1,3,5-Trichlorobenzene	12.586	180	128679	47.158	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	125004	47.725	ug/L	98
71) Naphthalene	13.442	128	442124	52.833	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	128668	51.266	ug/L	98

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

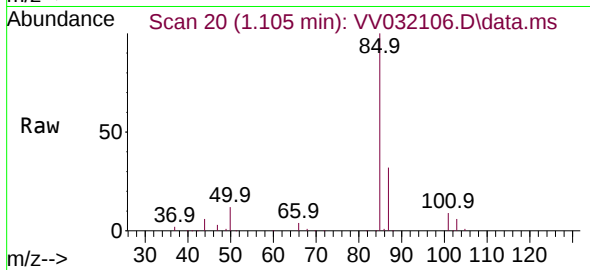
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Quant Title : VOC Analysis
QLast Update : Fri Sep 15 08:00:54 2023
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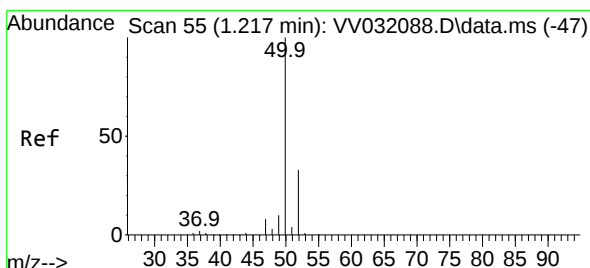
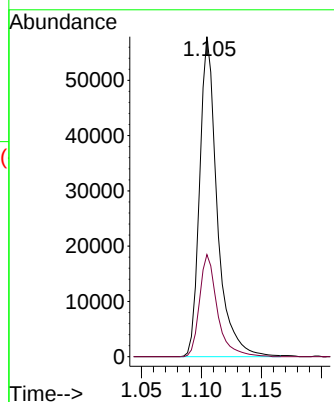
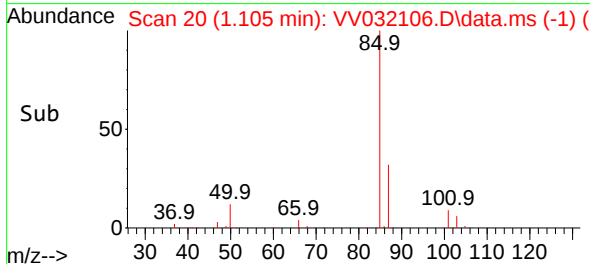


#2
 Dichlorodifluoromethane
 Concen: 40.342 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032106.D
 Acq: 14 Sep 2023 22:34

Instrument :
 MSVOA_V
 ClientSampleId :

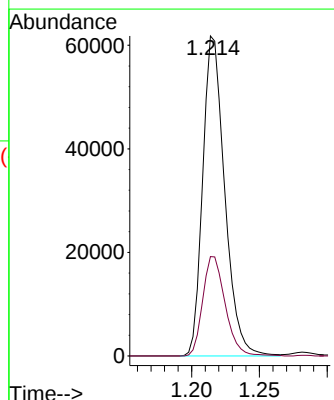
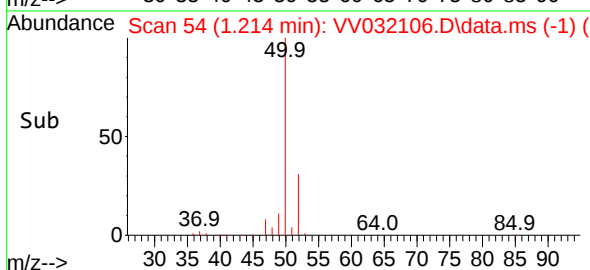
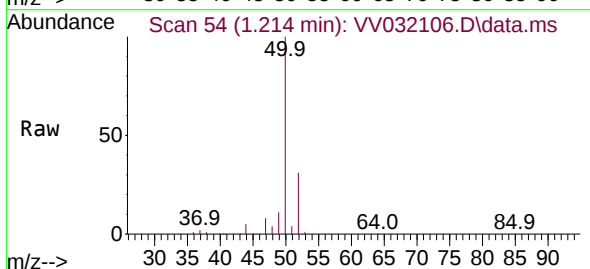


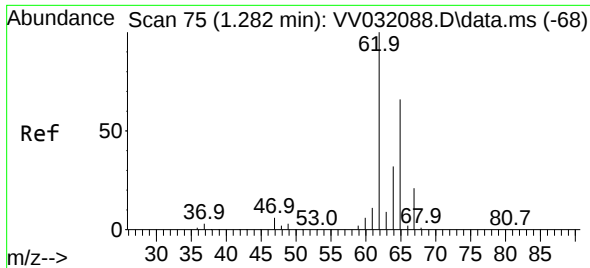
Tgt Ion: 85 Resp: 59126
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.8 40.2



#3
 Chloromethane
 Concen: 46.681 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.004 min
 Lab File: VV032106.D
 Acq: 14 Sep 2023 22:34

Tgt Ion: 50 Resp: 69765
 Ion Ratio Lower Upper
 50 100
 52 31.1 23.0 42.6

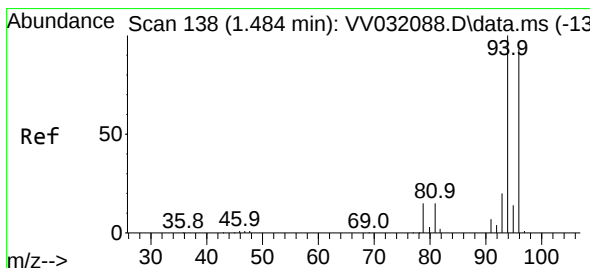
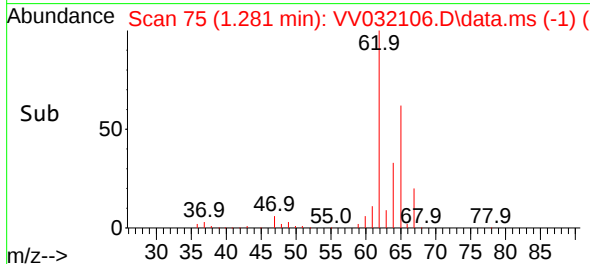
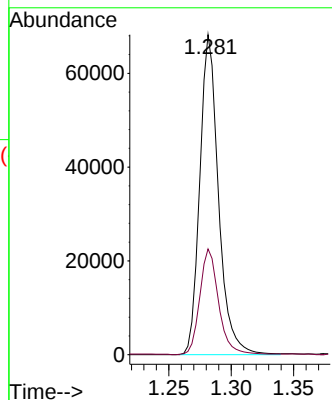
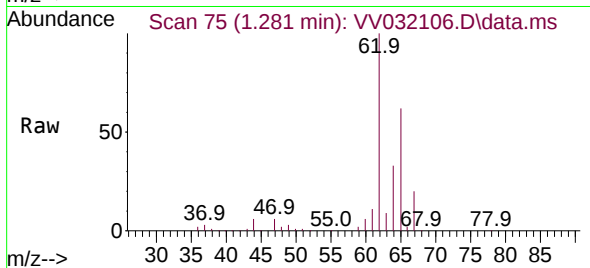




#5
 Vinyl chloride
 Concen: 44.548 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV032106.D
 Acq: 14 Sep 2023 22:34

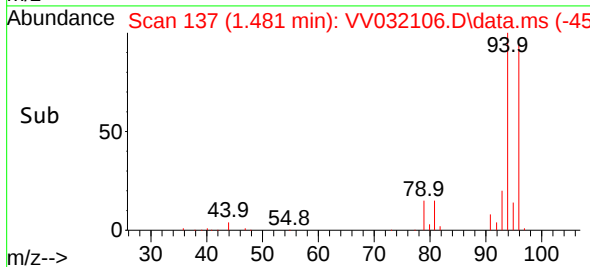
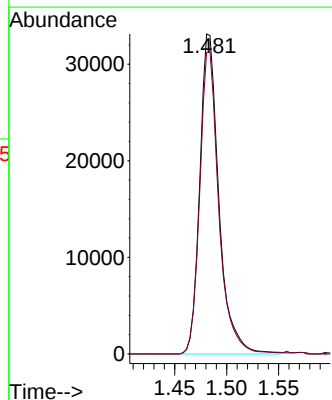
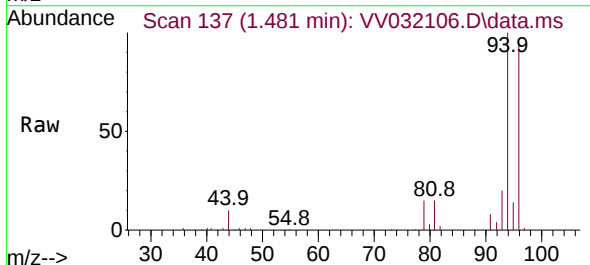
Instrument :
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 ClientSampleId :

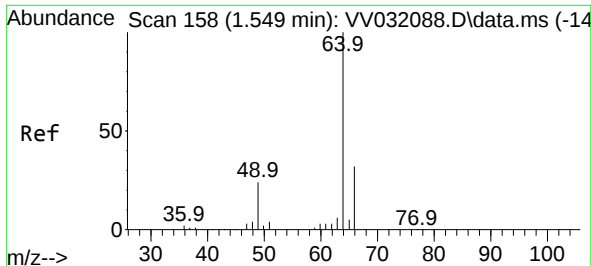
Tgt Ion: 62 Resp: 71100
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.6 43.8



#6
 Bromomethane
 Concen: 45.123 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.004 min
 Lab File: VV032106.D
 Acq: 14 Sep 2023 22:34

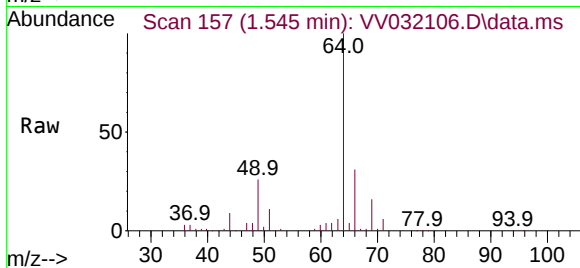
Tgt Ion: 94 Resp: 42404
 Ion Ratio Lower Upper
 94 100
 96 94.1 66.4 123.4



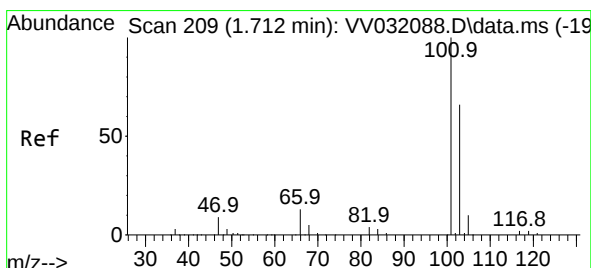
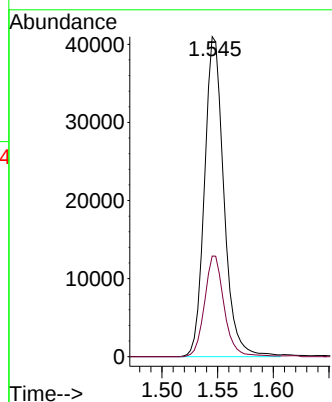
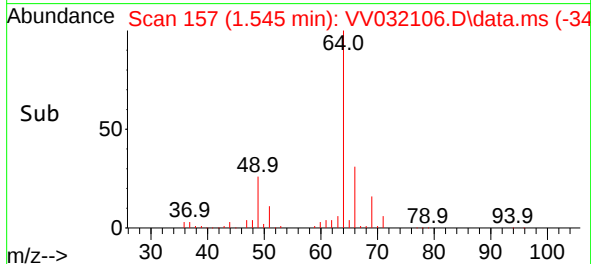


#8
Chloroethane
Concen: 46.812 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.004 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Instrument :
MSVOA_V
ClientSampleId :

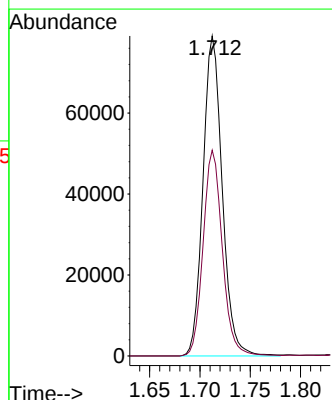
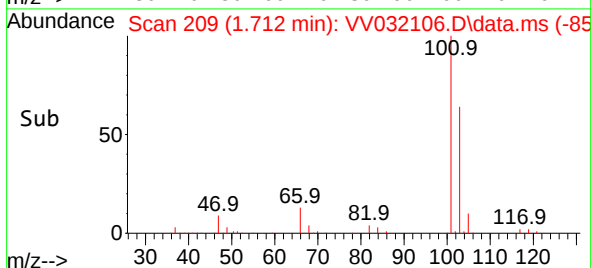
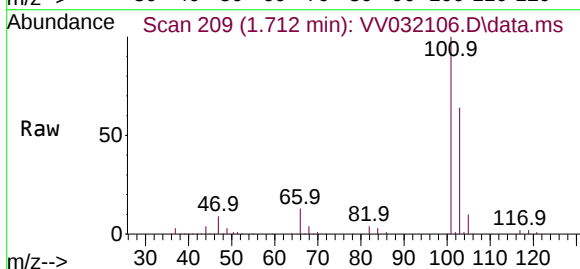


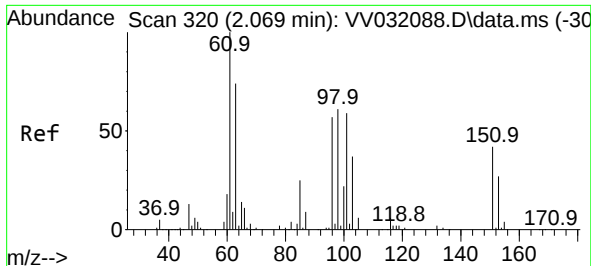
Tgt Ion: 64 Resp: 49654
Ion Ratio Lower Upper
64 100
66 31.5 23.2 43.2



#9
Trichlorofluoromethane
Concen: 45.312 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Tgt Ion:101 Resp: 105422
Ion Ratio Lower Upper
101 100
103 64.2 51.9 77.9





#10

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

Concen: 46.882 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

ClientSampleId :

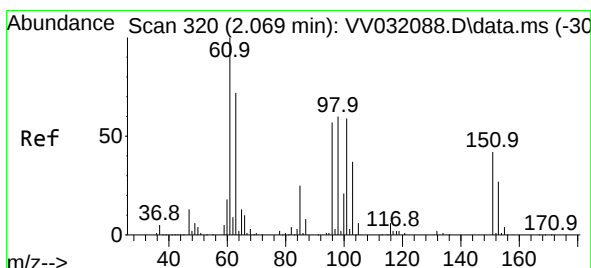
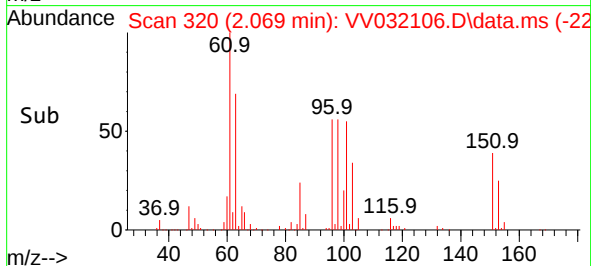
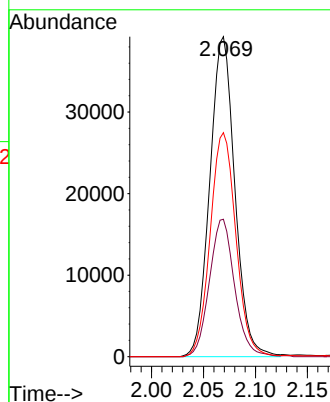
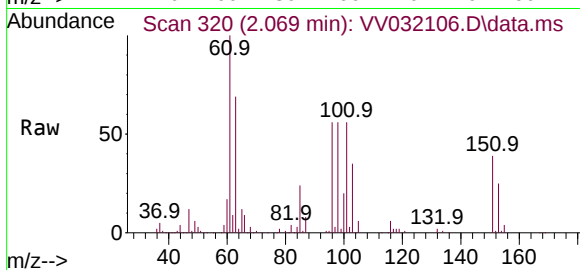
Tgt Ion:101 Resp: 65859

Ion Ratio Lower Upper

101 100

85 43.1 35.8 53.8

151 71.8 56.5 84.7



#12

1,1-Dichloroethene

Concen: 46.215 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

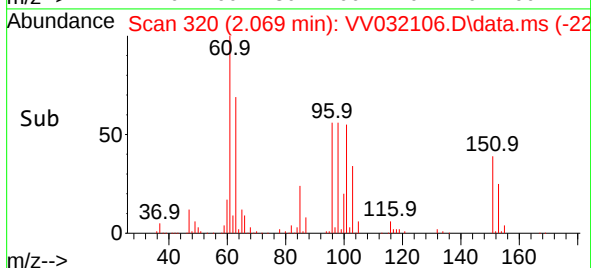
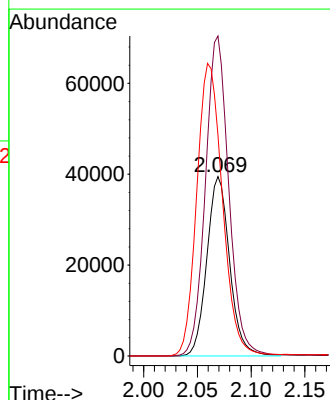
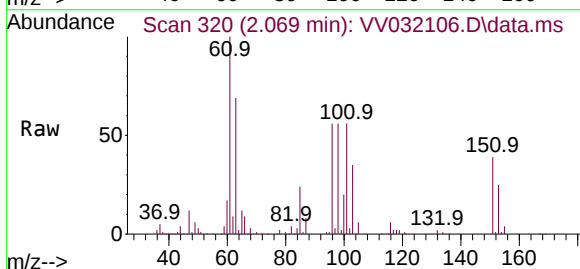
Tgt Ion: 96 Resp: 58313

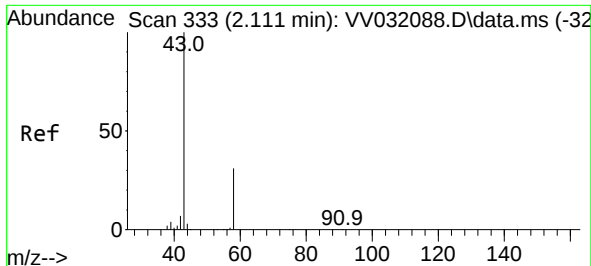
Ion Ratio Lower Upper

96 100

61 178.3 133.8 248.6

63 123.1 115.2 214.0





#13

Acetone

Concen: 81.454 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

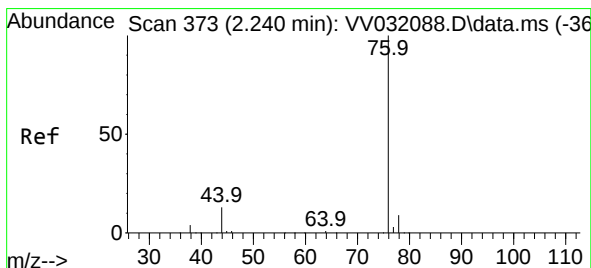
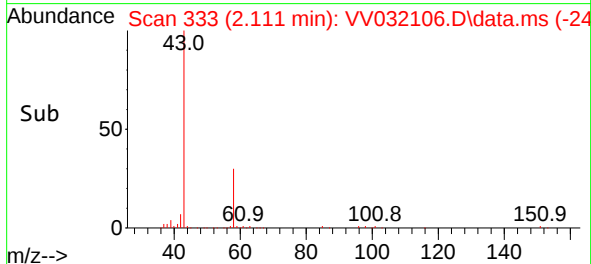
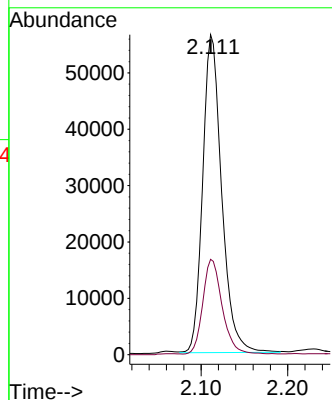
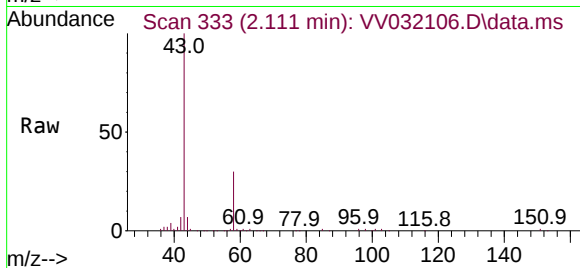
ClientSampleId :

Tgt Ion: 43 Resp: 85912

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.0



#14

Carbon disulfide

Concen: 43.496 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032106.D

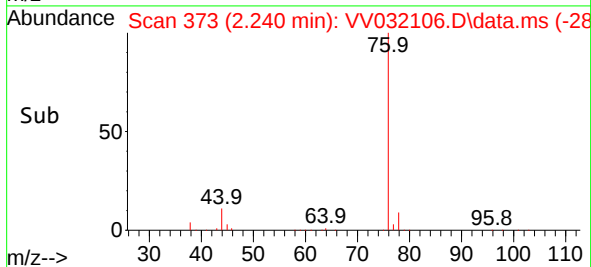
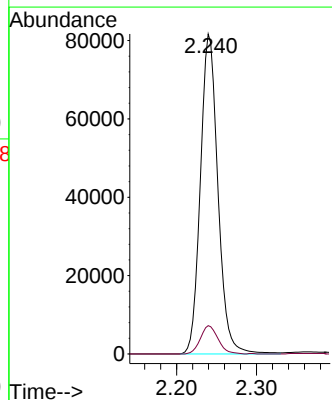
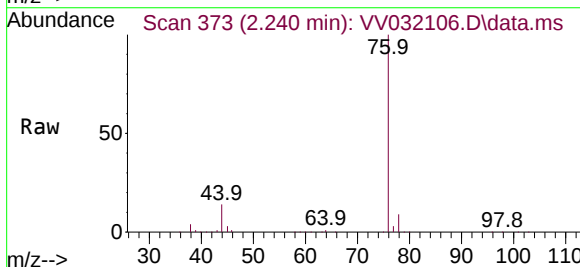
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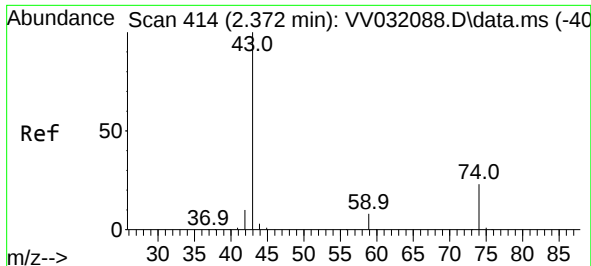
Tgt Ion: 76 Resp: 125054

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

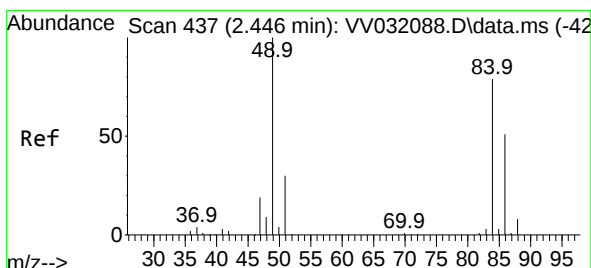
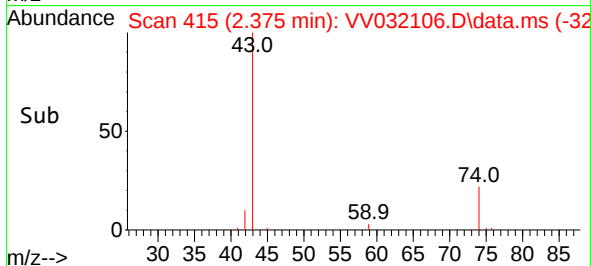
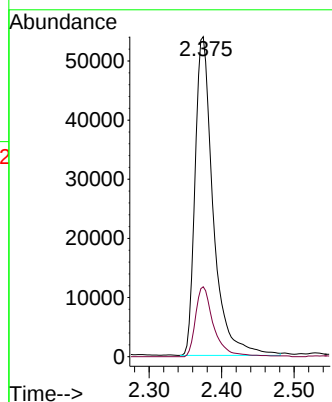
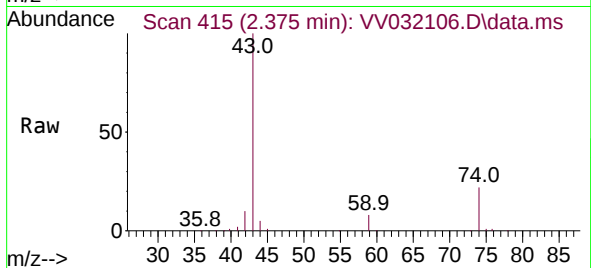




#15
Methyl Acetate
Concen: 49.661 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

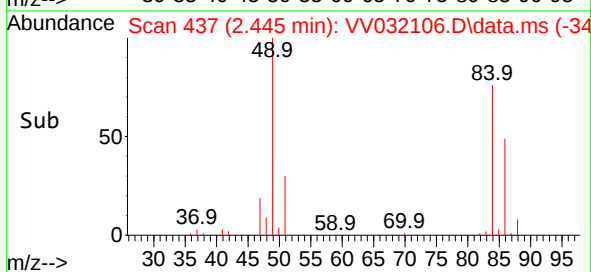
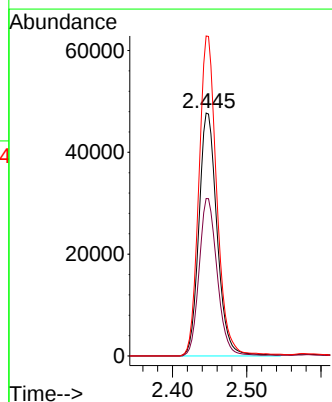
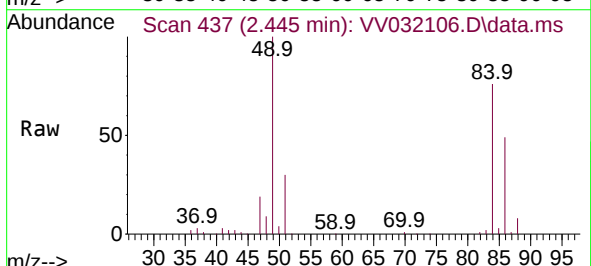
Instrument :
MSVOA_V
ClientSampleId :

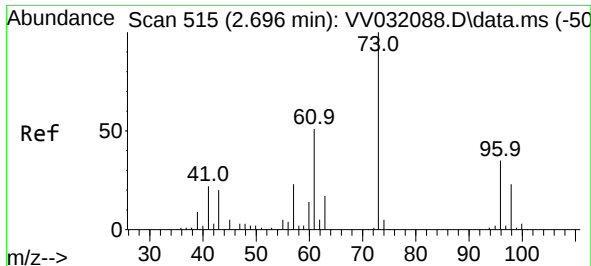
Tgt Ion: 43 Resp: 93417
Ion Ratio Lower Upper
43 100
74 21.8 17.9 26.9



#16
Methylene chloride
Concen: 50.053 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Tgt Ion: 84 Resp: 81158
Ion Ratio Lower Upper
84 100
86 64.8 44.6 82.8
49 131.7 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 47.766 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

ClientSampleId :

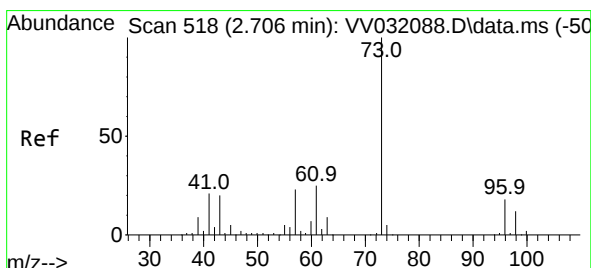
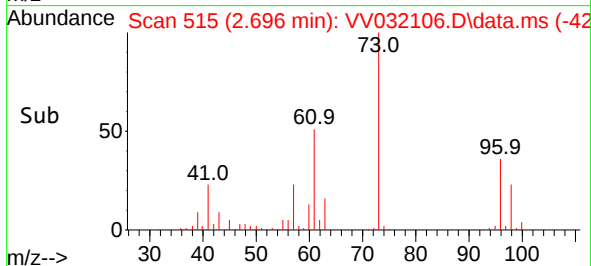
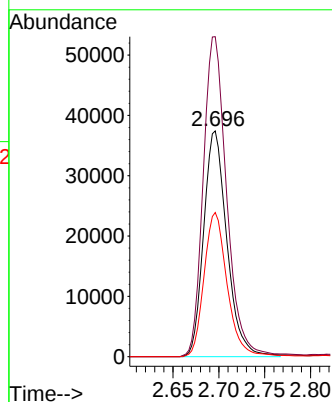
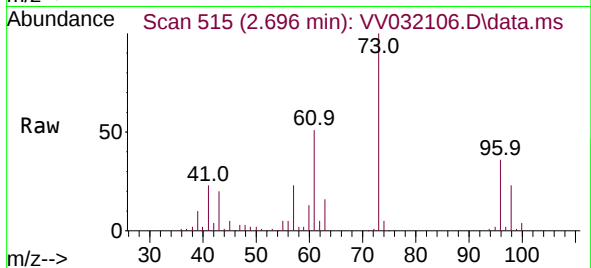
Tgt Ion: 96 Resp: 66076

Ion Ratio Lower Upper

96 100

61 141.8 107.3 199.3

98 63.9 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 48.127 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

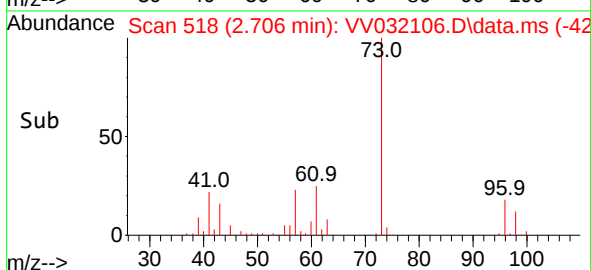
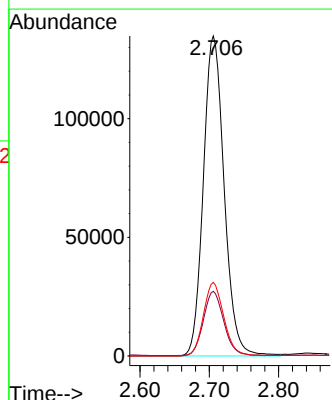
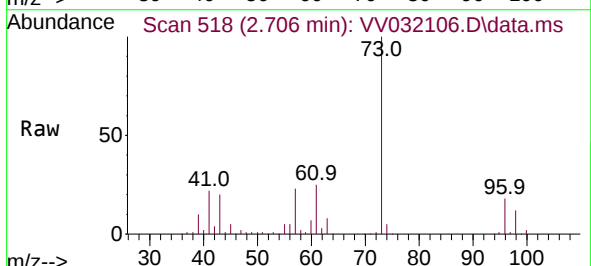
Tgt Ion: 73 Resp: 281365

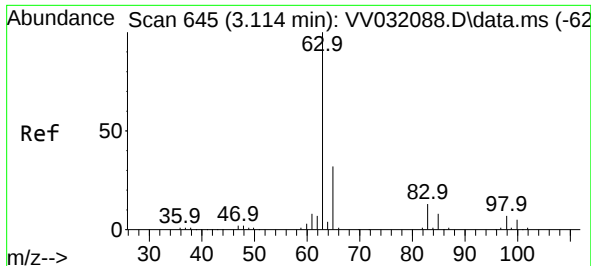
Ion Ratio Lower Upper

73 100

43 19.5 16.6 25.0

57 22.6 17.6 26.4





#19

1,1-Dichloroethane

Concen: 50.099 ug/L

RT: 3.114 min Scan# 645

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

ClientSampleId :

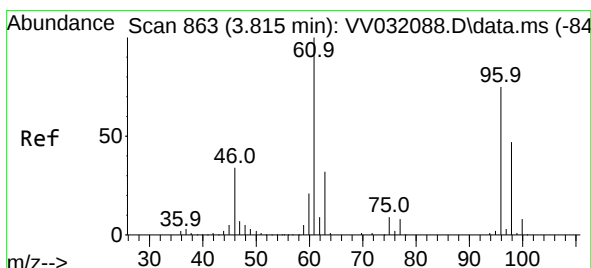
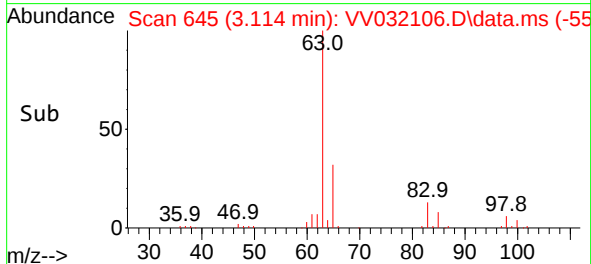
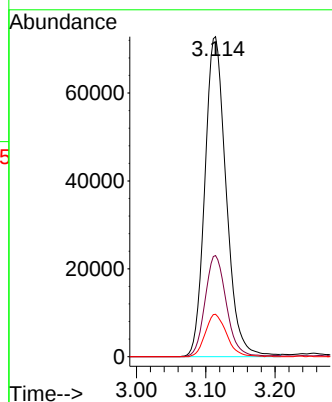
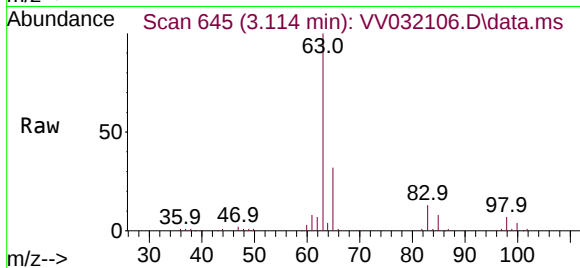
Tgt Ion: 63 Resp: 155312

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 13.2 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 50.585 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

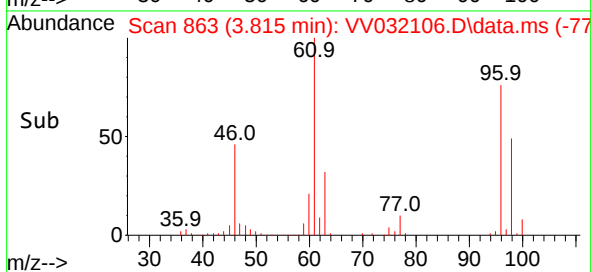
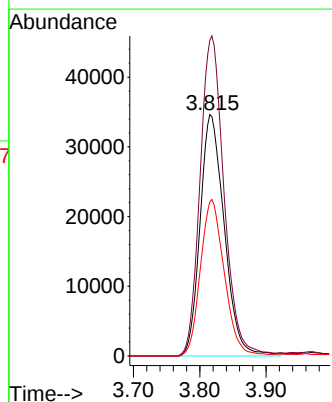
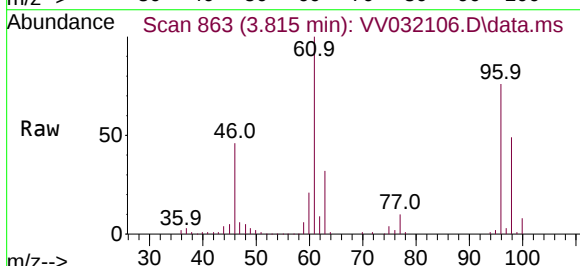
Tgt Ion: 96 Resp: 87790

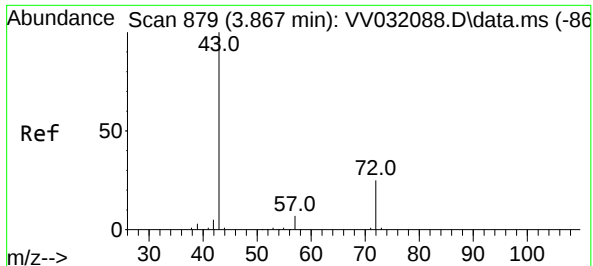
Ion Ratio Lower Upper

96 100

61 130.8 97.3 180.7

98 63.8 45.3 84.1

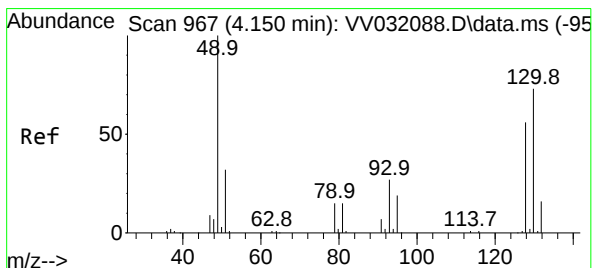
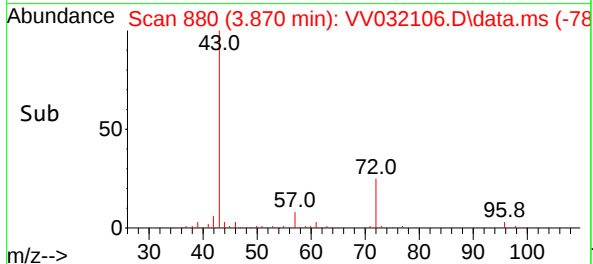
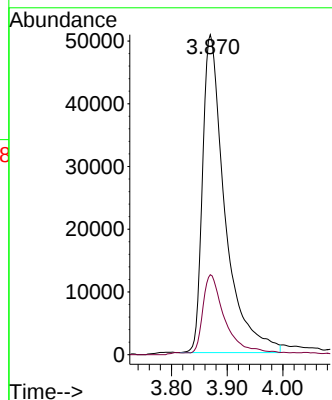
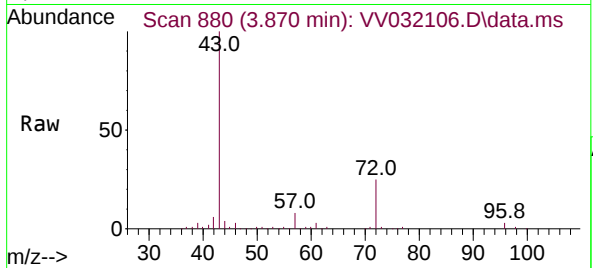




#22
2-Butanone
Concen: 101.463 ug/L
RT: 3.870 min Scan# 879
Delta R.T. 0.003 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

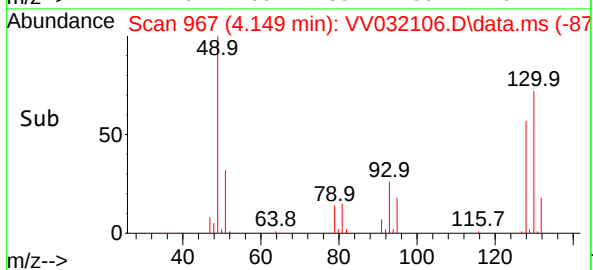
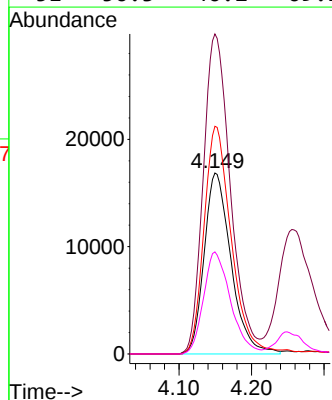
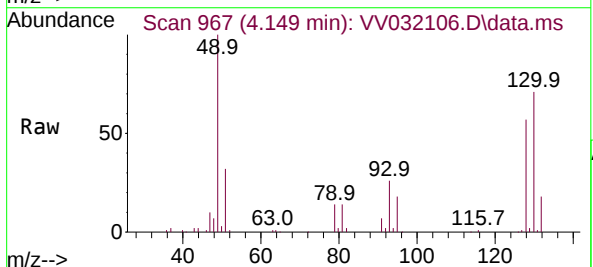
Instrument :
MSVOA_V
ClientSampleId :

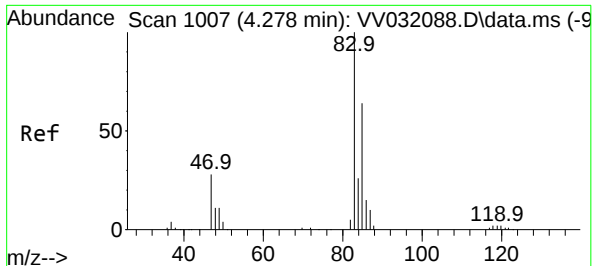
Tgt Ion: 43 Resp: 141606
Ion Ratio Lower Upper
43 100
72 22.6 12.6 37.8



#23
Bromochloromethane
Concen: 51.618 ug/L
RT: 4.149 min Scan# 967
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Tgt Ion:128 Resp: 43462
Ion Ratio Lower Upper
128 100
49 176.8 127.8 237.4
130 125.8 90.1 167.3
51 56.3 46.2 69.2

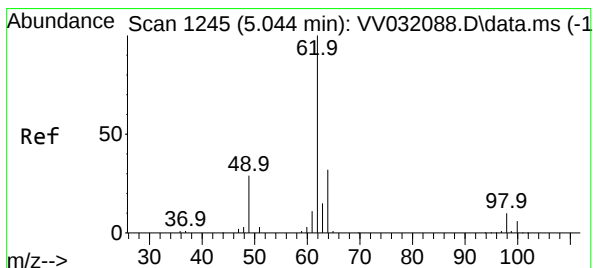
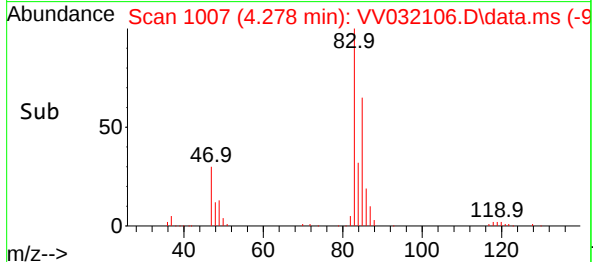
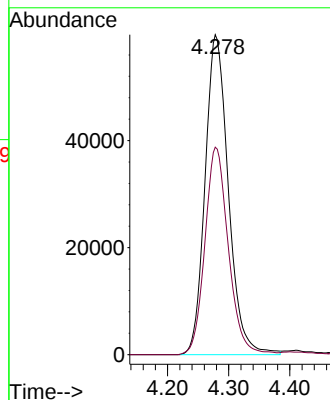
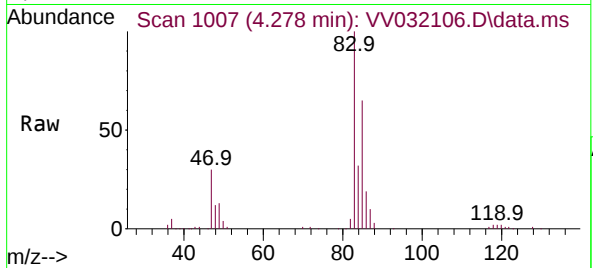




#25
Chloroform
Concen: 49.111 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

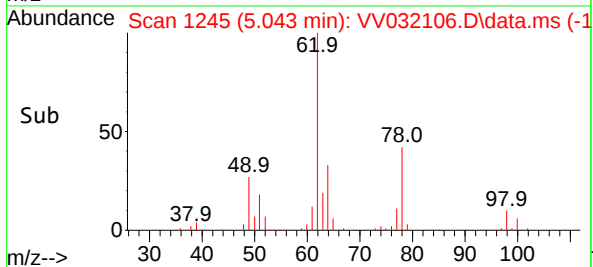
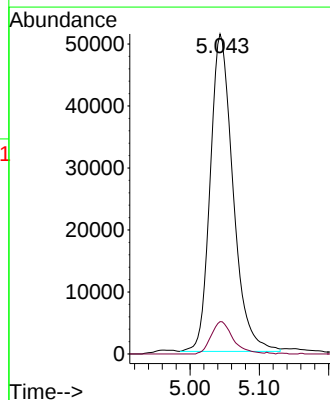
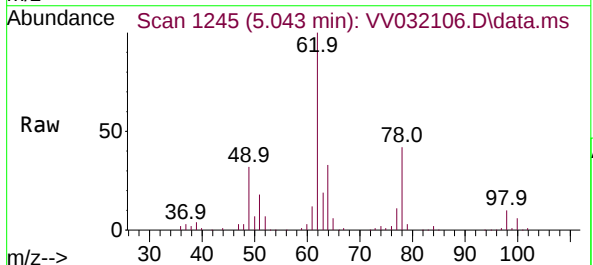
Instrument :
MSVOA_V
ClientSampleId :

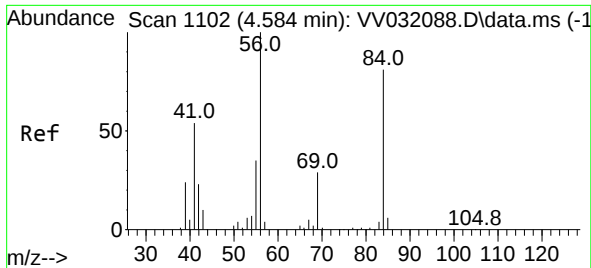
Tgt Ion: 83 Resp: 158298
Ion Ratio Lower Upper
83 100
85 64.9 44.9 83.3



#27
1,2-Dichloroethane
Concen: 46.161 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Tgt Ion: 62 Resp: 117219
Ion Ratio Lower Upper
62 100
98 10.1 7.0 10.4

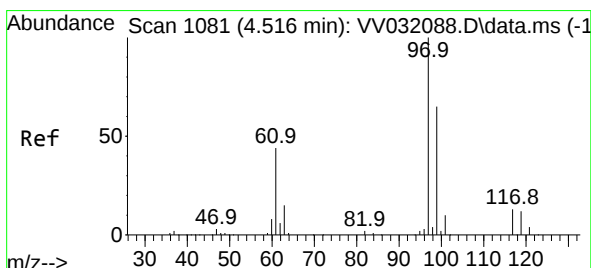
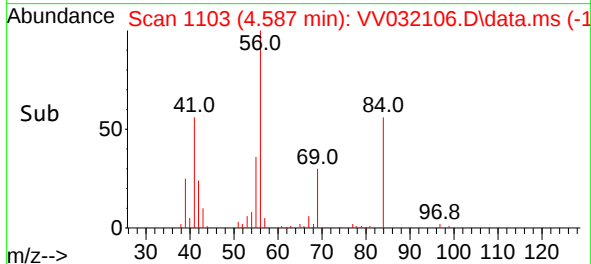
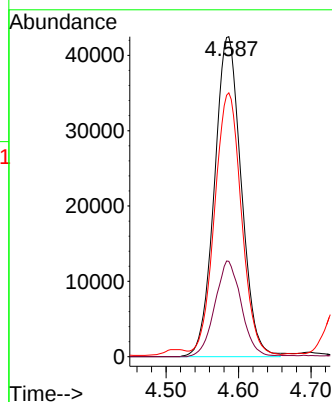
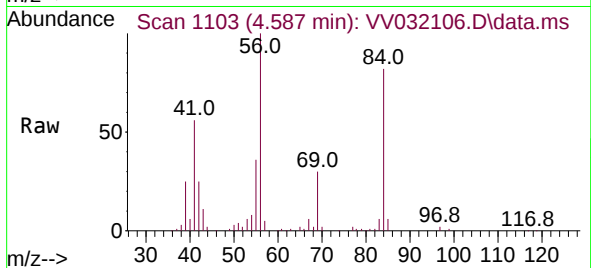




#29
Cyclohexane
Concen: 45.370 ug/L
RT: 4.587 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

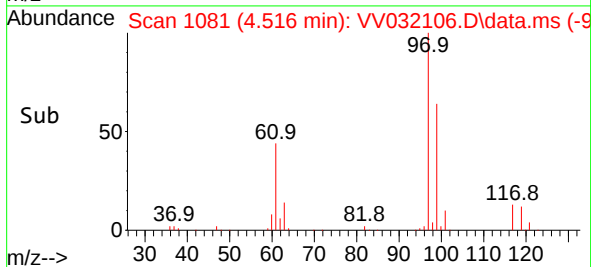
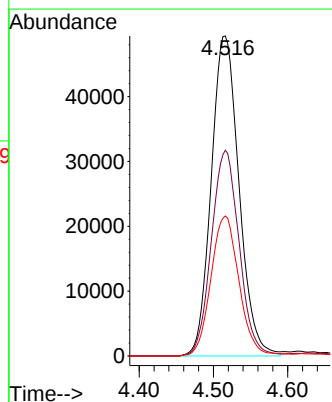
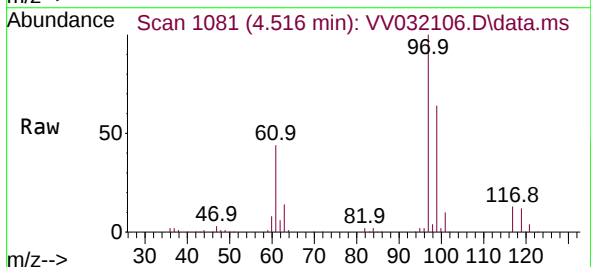
Instrument :
MSVOA_V
ClientSampleId :

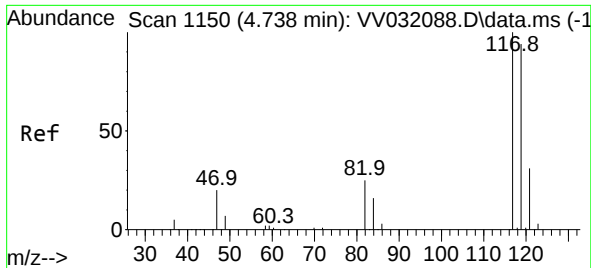
Tgt Ion: 56 Resp: 109184
Ion Ratio Lower Upper
56 100
69 29.4 24.2 36.4
84 81.1 67.5 101.3



#30
1,1,1-Trichloroethane
Concen: 47.638 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Tgt Ion: 97 Resp: 128430
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 43.9 36.5 54.7

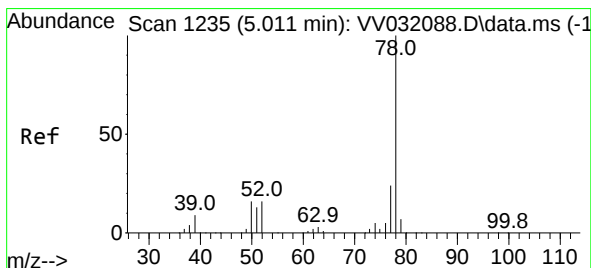
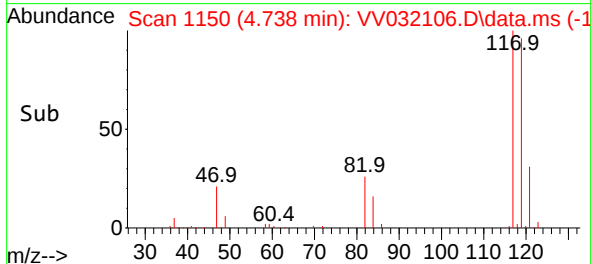
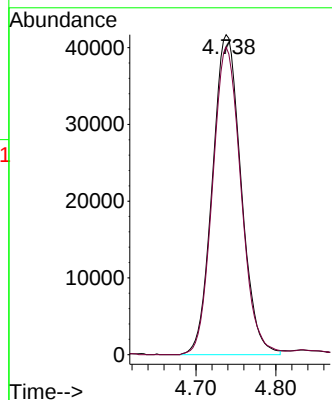
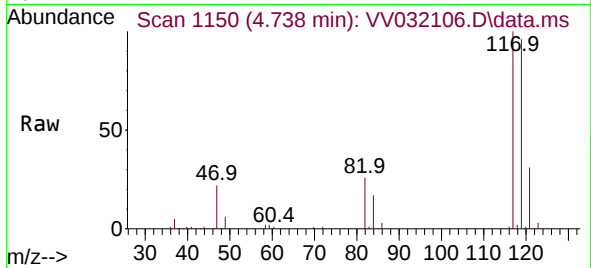




#31
Carbon tetrachloride
Concen: 45.325 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

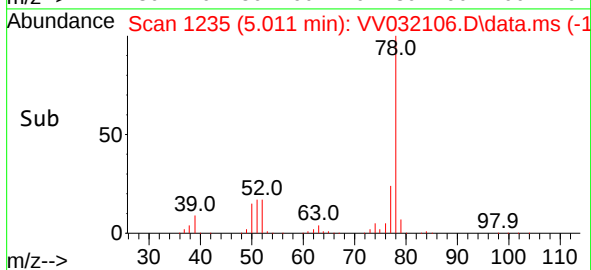
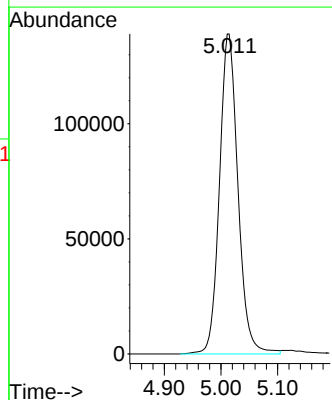
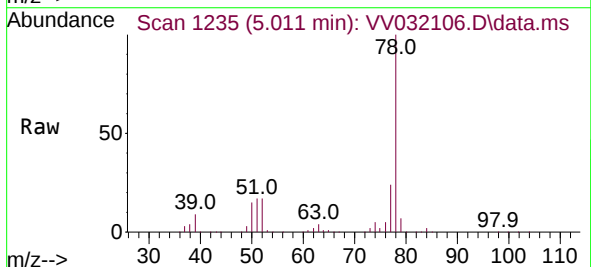
Instrument :
MSVOA_V
ClientSampleId :

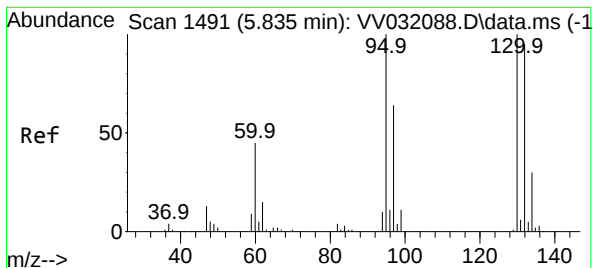
Tgt Ion:117 Resp: 103760
Ion Ratio Lower Upper
117 100
119 95.5 75.4 113.2



#33
Benzene
Concen: 50.731 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Tgt Ion: 78 Resp: 315053





#34

Trichloroethene

Concen: 43.852 ug/L

RT: 5.837 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 83289

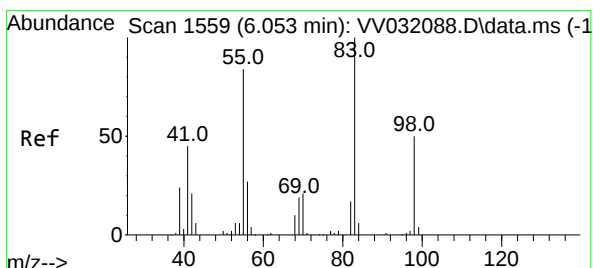
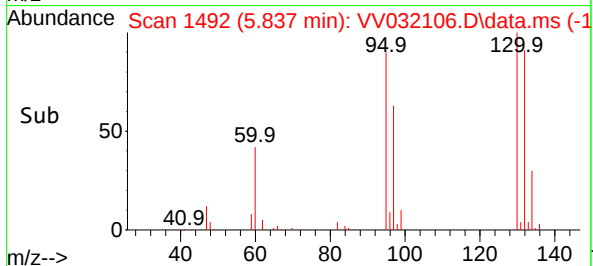
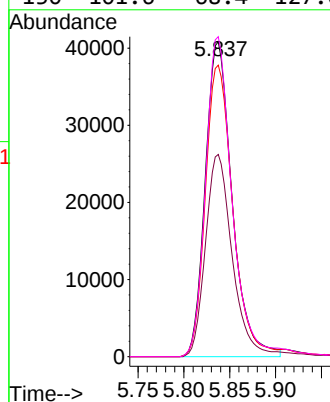
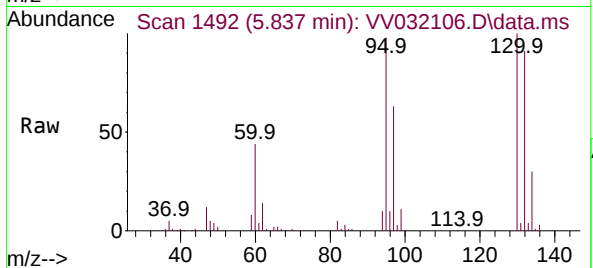
Ion Ratio Lower Upper

95 100

97 64.2 45.4 84.2

132 92.6 65.4 121.4

130 101.6 68.4 127.0



#35

Methylcyclohexane

Concen: 40.460 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

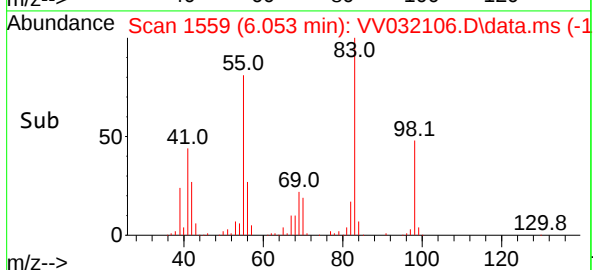
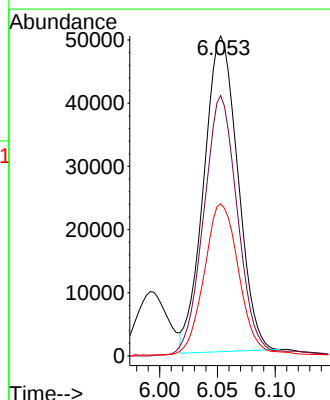
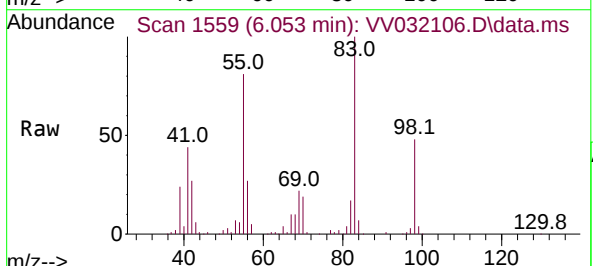
Tgt Ion: 83 Resp: 102212

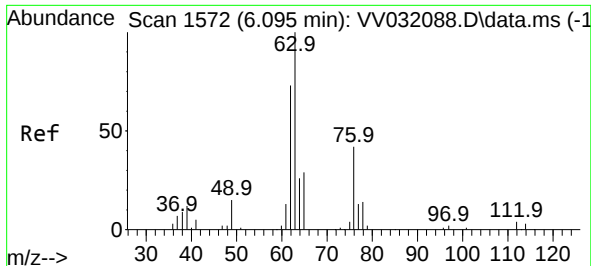
Ion Ratio Lower Upper

83 100

55 83.0 62.2 93.2

98 49.3 36.7 55.1





#37

1,2-Dichloropropane

Concen: 51.822 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

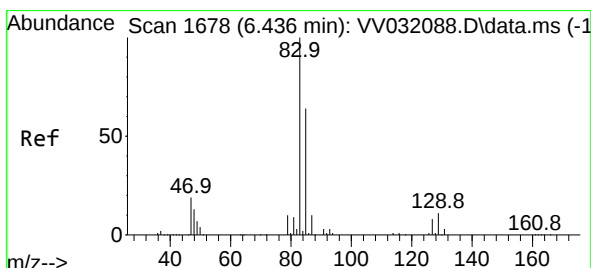
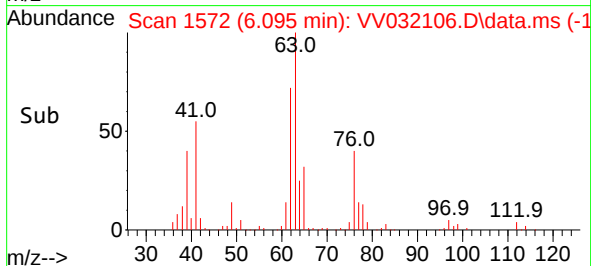
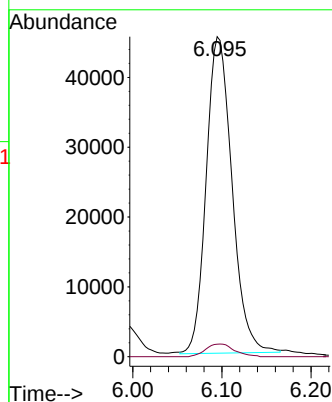
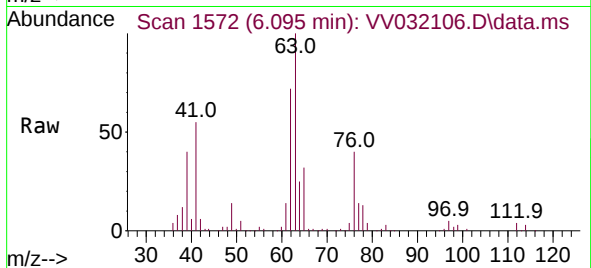
ClientSampleId :

Tgt Ion: 63 Resp: 91221

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 50.025 ug/L

RT: 6.435 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

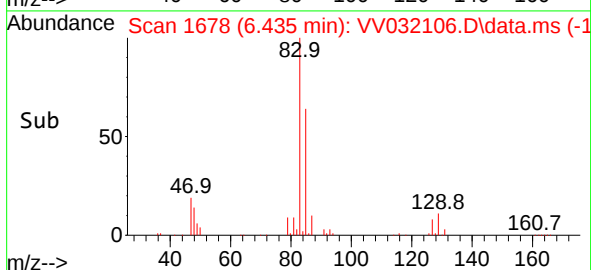
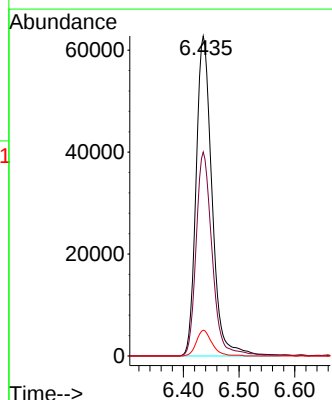
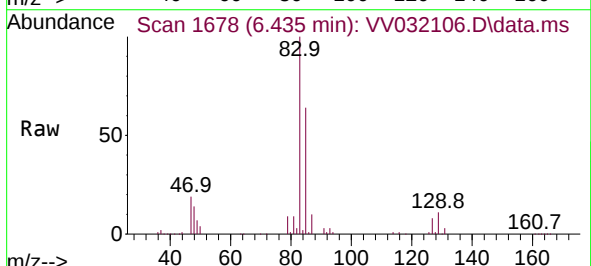
Tgt Ion: 83 Resp: 124991

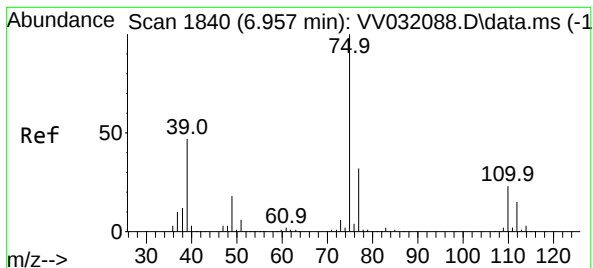
Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0

127 8.1 6.3 9.5

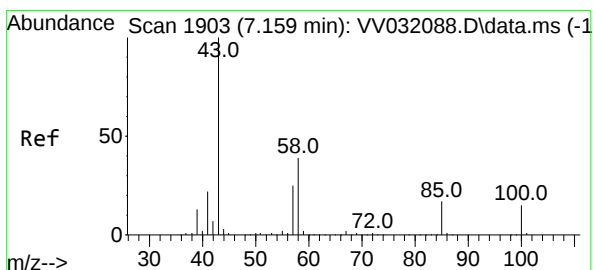
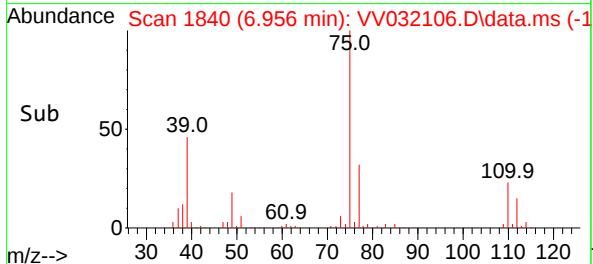
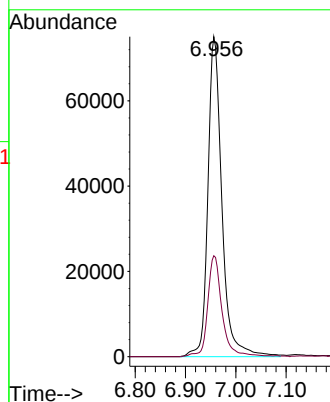
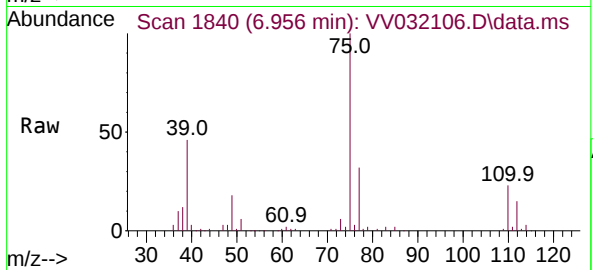




#39
 cis-1,3-Dichloropropene
 Concen: 47.518 ug/L
 RT: 6.956 min Scan# 1840
 Delta R.T. -0.000 min
 Lab File: VV032106.D
 Acq: 14 Sep 2023 22:34

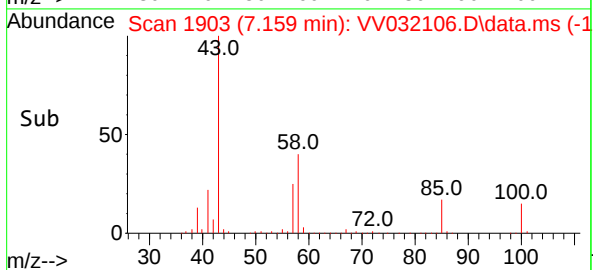
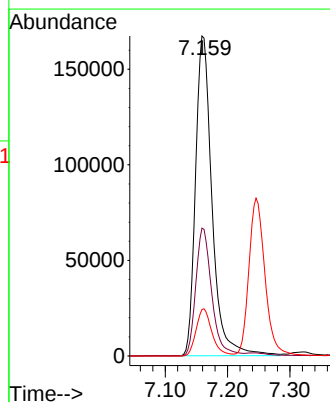
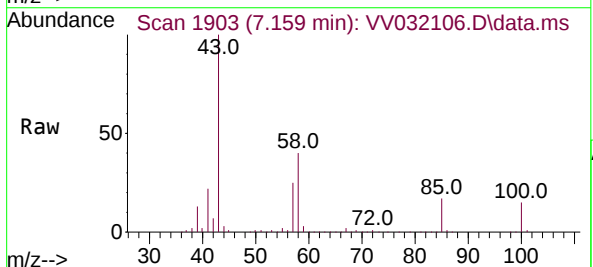
Instrument :
 MSVOA_V
 ClientSampleId :

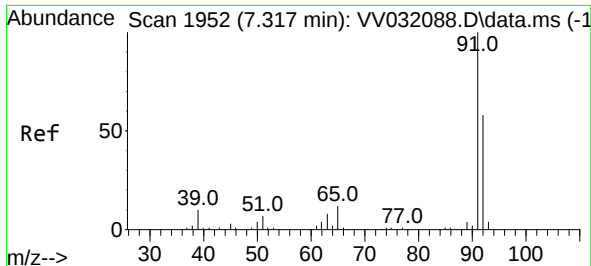
Tgt Ion: 75 Resp: 145426
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 110.399 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VV032106.D
 Acq: 14 Sep 2023 22:34

Tgt Ion: 43 Resp: 308444
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.1 46.7
 100 14.1 11.9 17.9





#42

Toluene

Concen: 48.974 ug/L

RT: 7.316 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

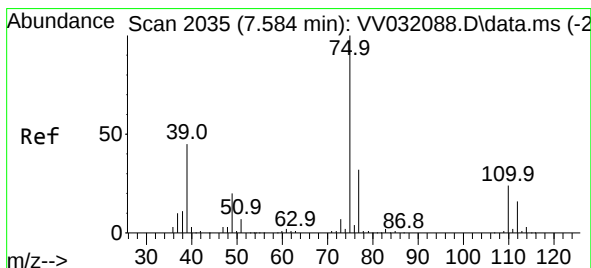
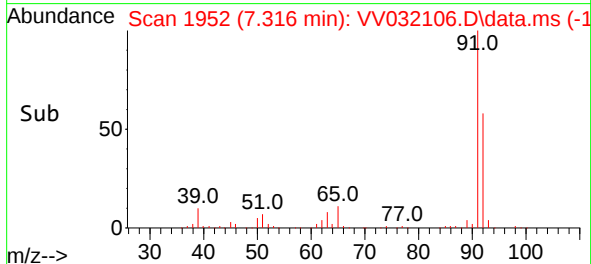
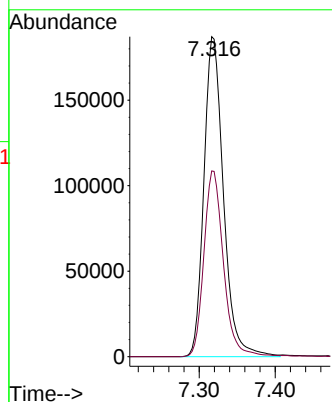
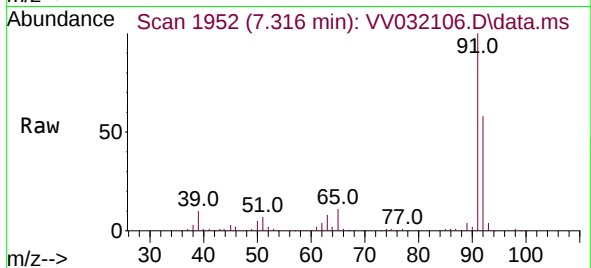
ClientSampleId :

Tgt Ion: 91 Resp: 334565

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 45.358 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV032106.D

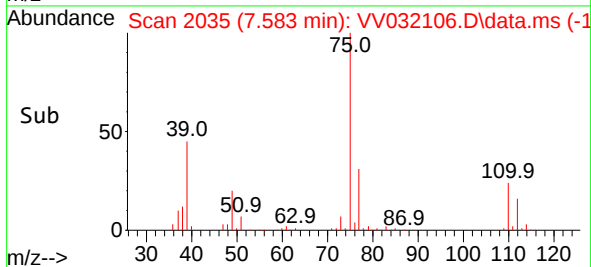
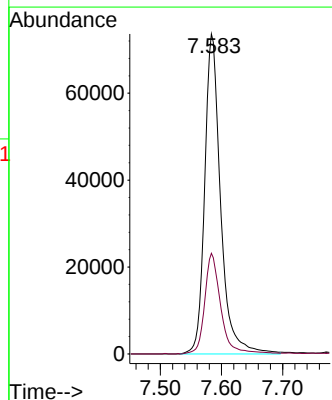
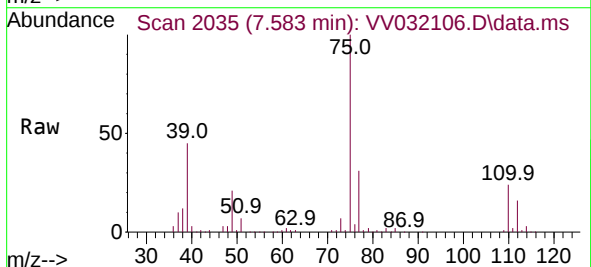
Acq: 14 Sep 2023 22:34

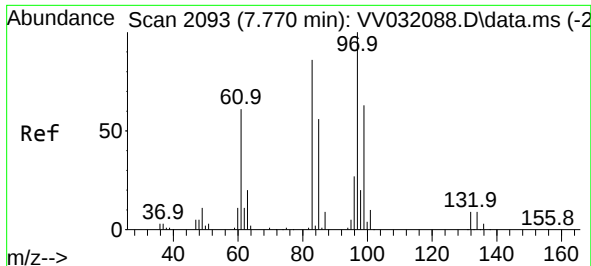
Tgt Ion: 75 Resp: 133376

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9

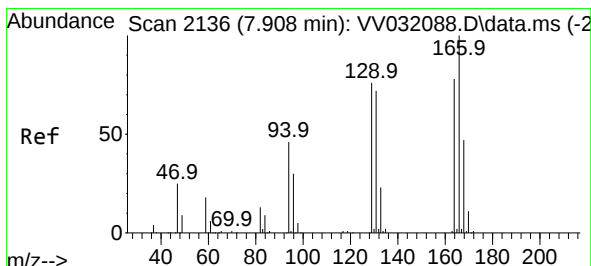
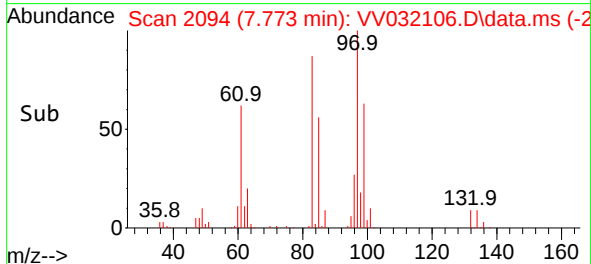
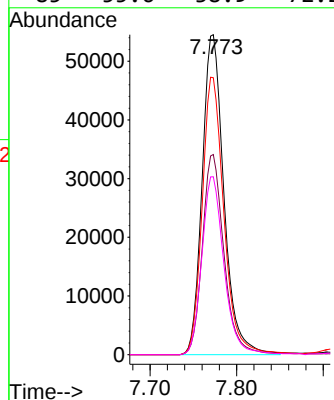
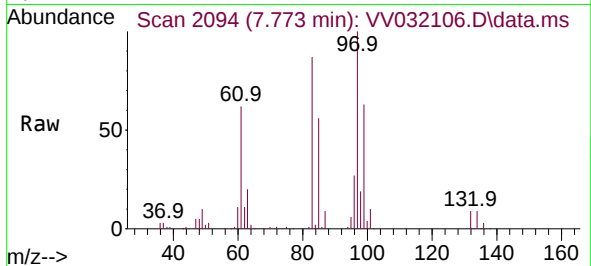




#45
1,1,2-Trichloroethane
Concen: 53.561 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

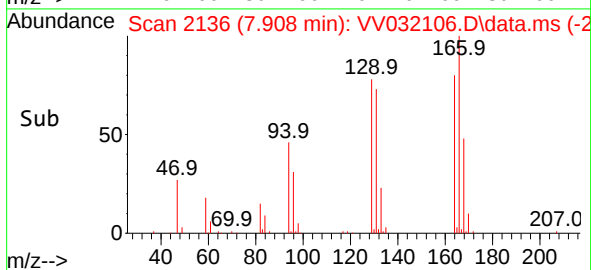
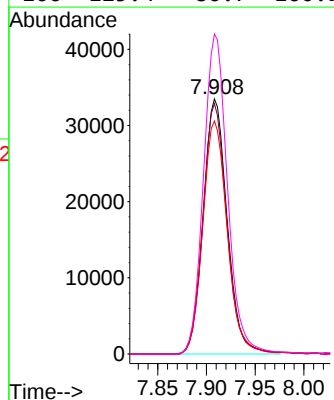
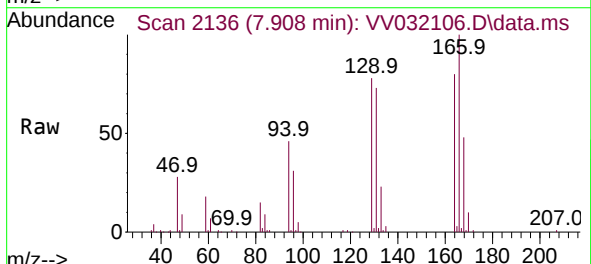
Instrument :
MSVOA_V
ClientSampleId :

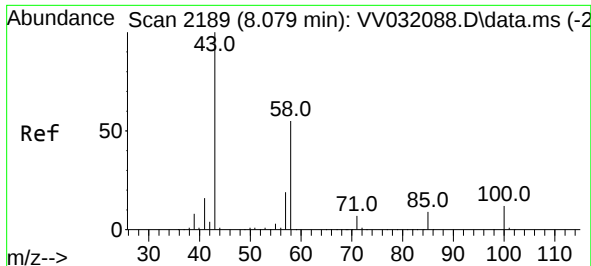
Tgt Ion:	97	Resp:	95252
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.0	79.8
83	86.5	61.2	113.6
85	55.6	38.9	72.2



#46
Tetrachloroethene
Concen: 47.884 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Tgt Ion:	164	Resp:	57105
Ion	Ratio	Lower	Upper
164	100		
129	98.1	68.3	126.9
131	91.3	64.9	120.5
166	125.4	86.7	160.9



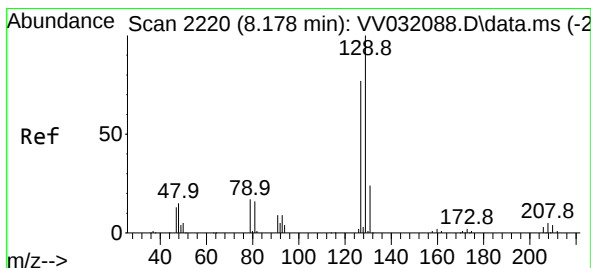
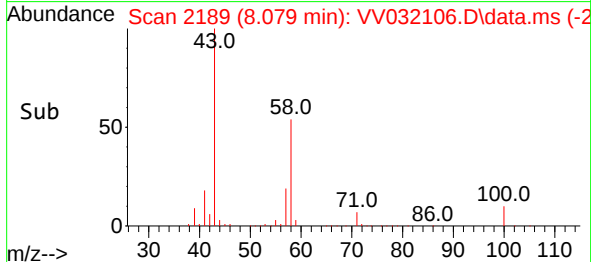
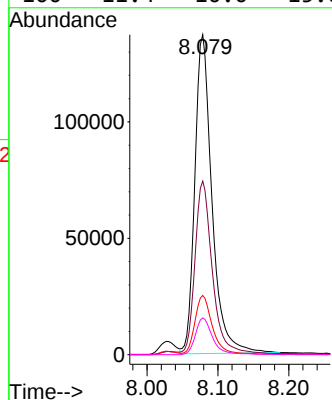
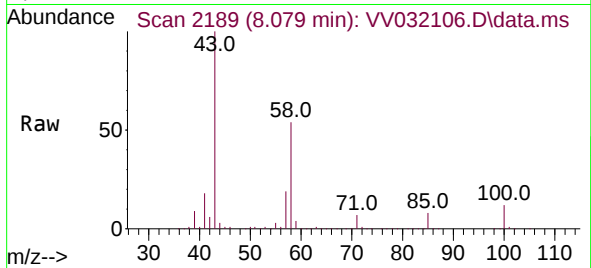


#48
2-Hexanone
Concen: 108.010 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 230452

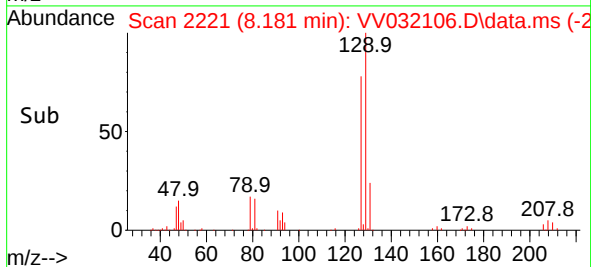
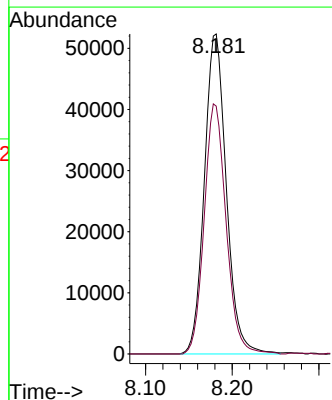
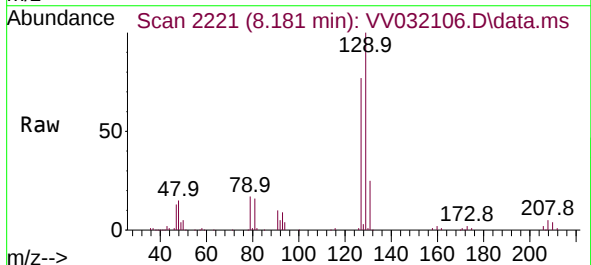
Ion	Ratio	Lower	Upper
43	100		
58	54.7	44.0	66.0
57	18.9	15.9	23.9
100	11.4	10.0	15.0

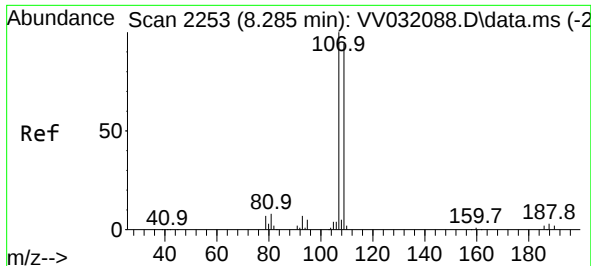


#49
Dibromochloromethane
Concen: 50.426 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Tgt Ion: 129 Resp: 92151

Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.7	101.7





#50

1,2-Dibromoethane

Concen: 51.299 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032106.D

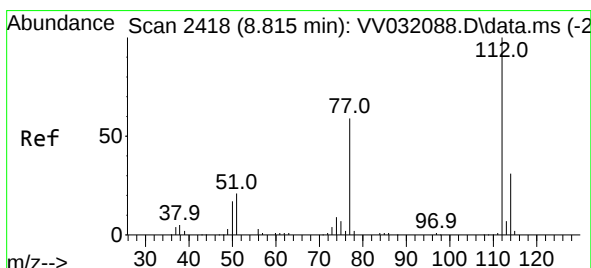
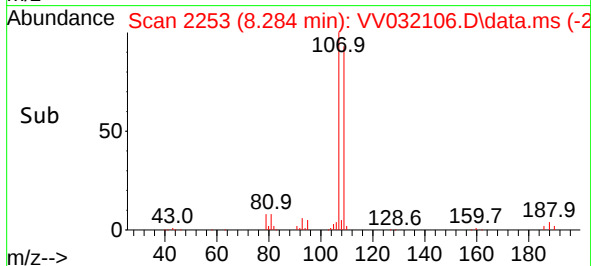
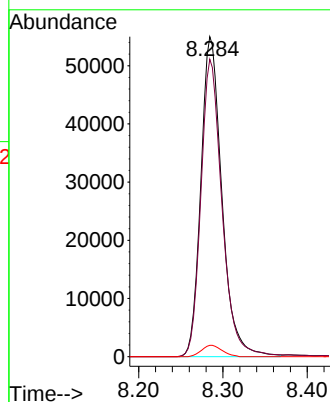
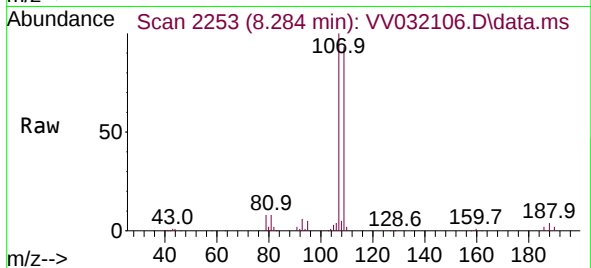
Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	95552
Ion Ratio	Lower	Upper
107	100	
109	92.9	65.4 121.4
188	3.5	2.8 4.2



#51

Chlorobenzene

Concen: 49.922 ug/L

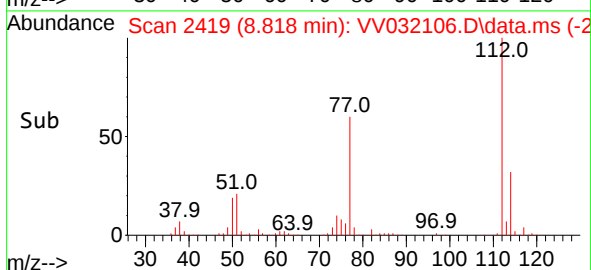
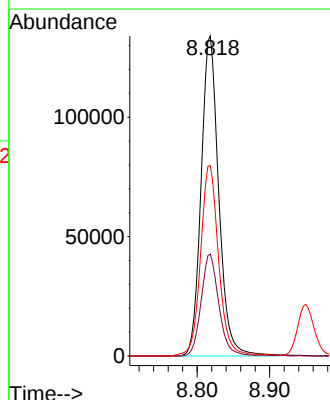
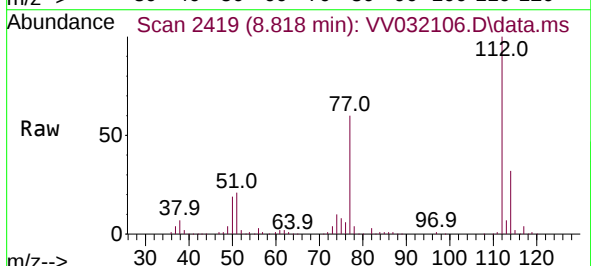
RT: 8.818 min Scan# 2419

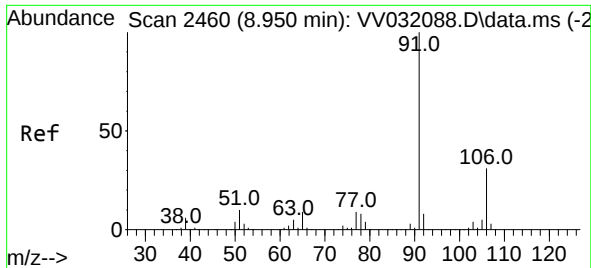
Delta R.T. 0.003 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Tgt Ion:112	Resp:	226610
Ion Ratio	Lower	Upper
112	100	
114	31.9	22.0 40.8
77	59.5	49.4 74.0

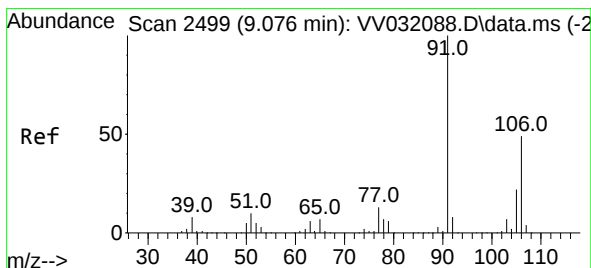
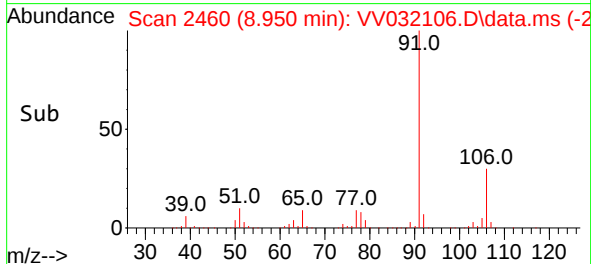
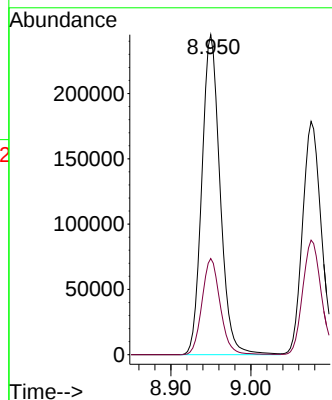
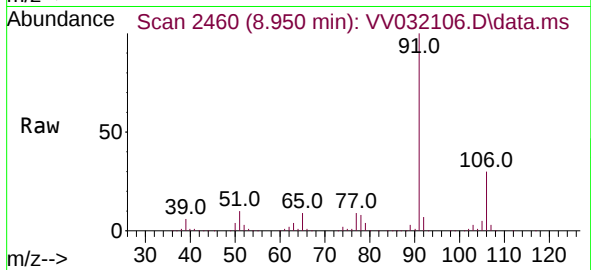




#52
Ethylbenzene
Concen: 48.064 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

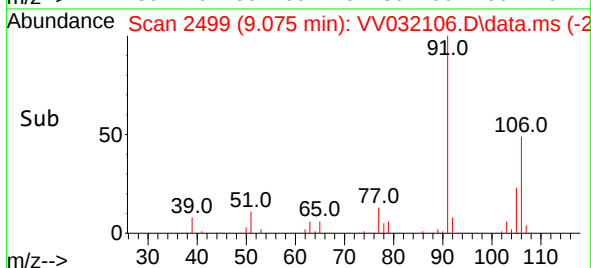
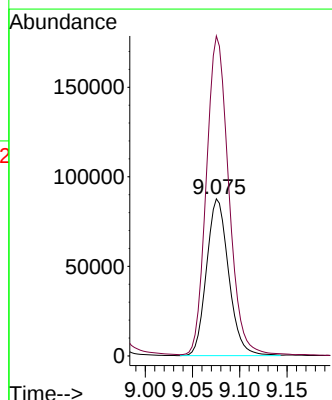
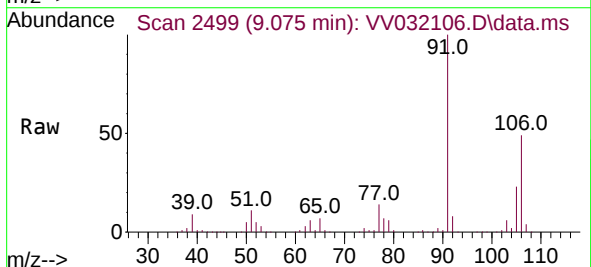
Instrument :
MSVOA_V
ClientSampleId :

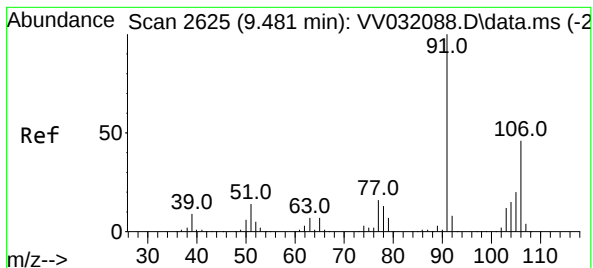
Tgt Ion: 91 Resp: 388945
Ion Ratio Lower Upper
91 100
106 30.0 21.5 39.9



#53
m,p-Xylene
Concen: 47.437 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Tgt Ion: 106 Resp: 142530
Ion Ratio Lower Upper
106 100
91 203.6 147.0 273.0





#54

o-Xylene

Concen: 48.572 ug/L

RT: 9.480 min Scan# 2625

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

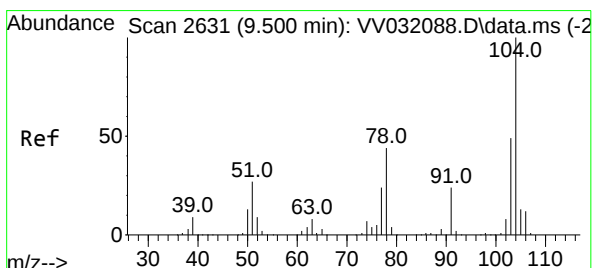
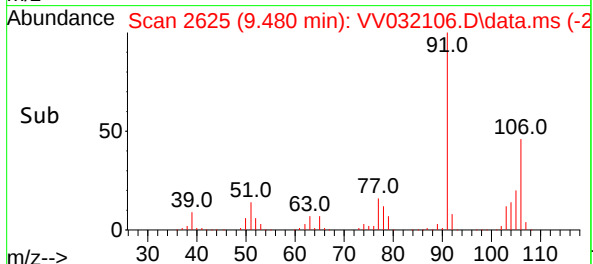
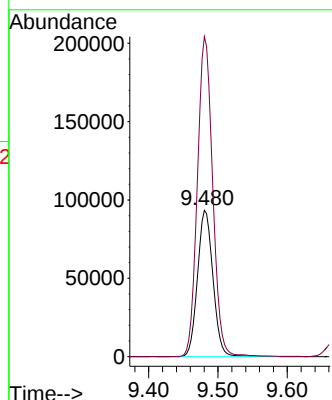
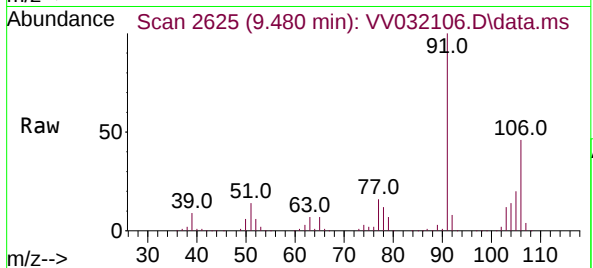
ClientSampleId :

Tgt Ion:106 Resp: 145147

Ion Ratio Lower Upper

106 100

91 218.5 154.3 286.5



#55

Styrene

Concen: 48.563 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. -0.000 min

Lab File: VV032106.D

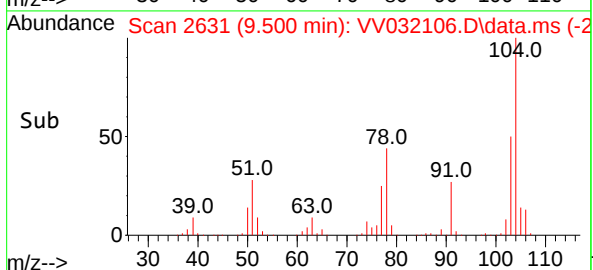
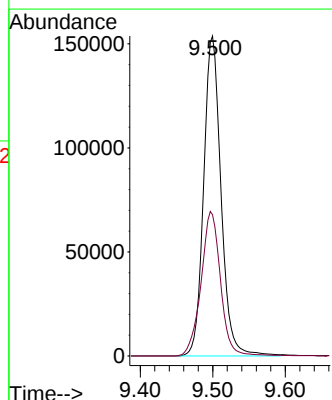
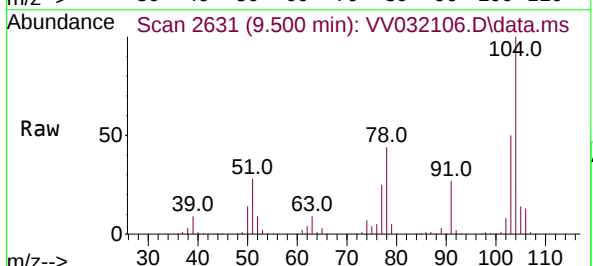
Acq: 14 Sep 2023 22:34

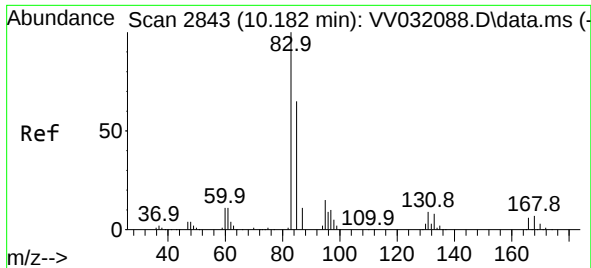
Tgt Ion:104 Resp: 256543

Ion Ratio Lower Upper

104 100

78 44.1 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 62.968 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

ClientSampleId :

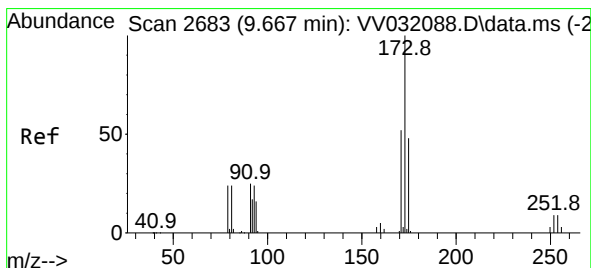
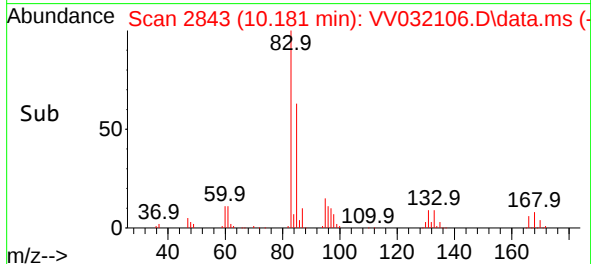
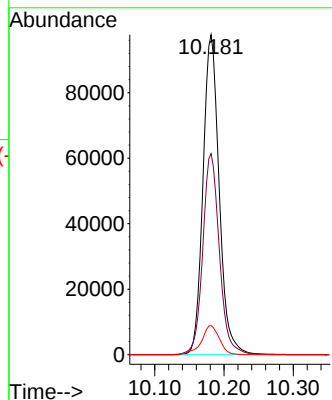
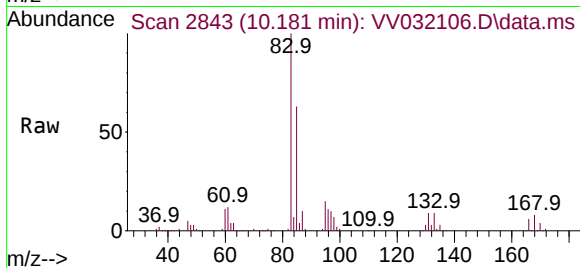
Tgt Ion: 83 Resp: 158522

Ion Ratio Lower Upper

83 100

85 62.9 45.1 83.9

131 9.1 7.4 11.2



#59

Bromoform

Concen: 52.302 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

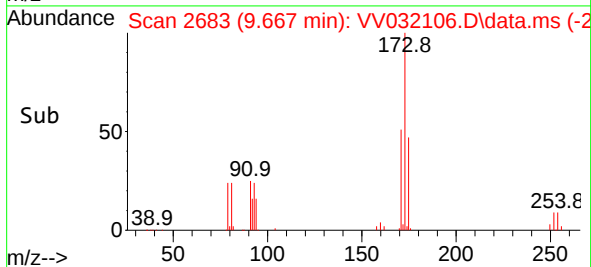
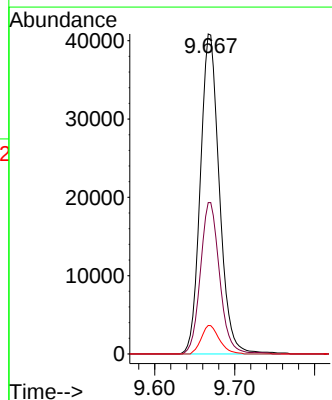
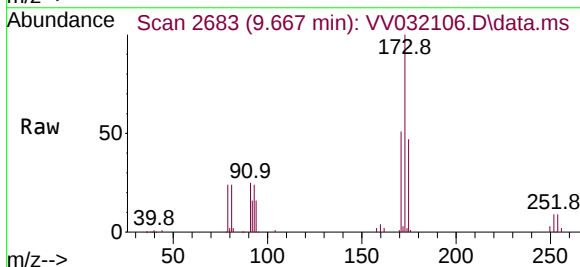
Tgt Ion: 173 Resp: 67631

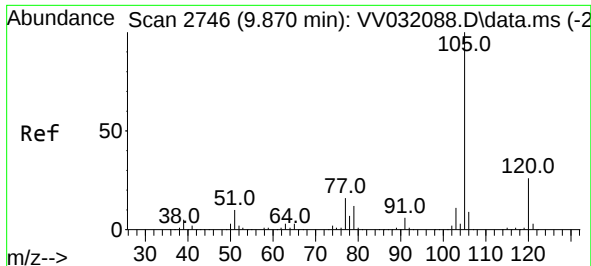
Ion Ratio Lower Upper

173 100

175 47.4 38.3 57.5

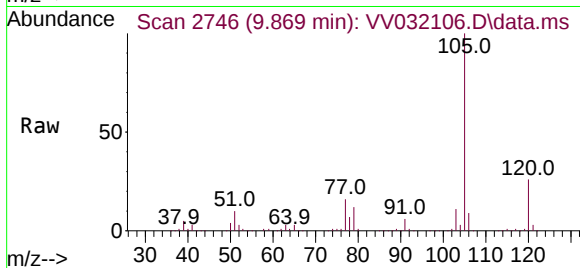
254 8.5 6.9 10.3



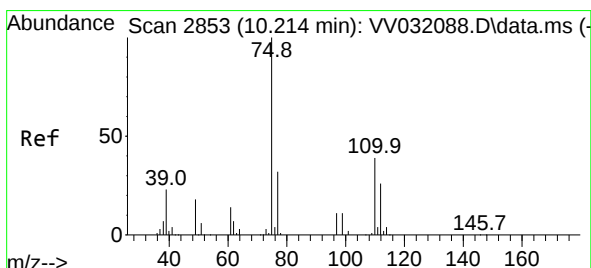
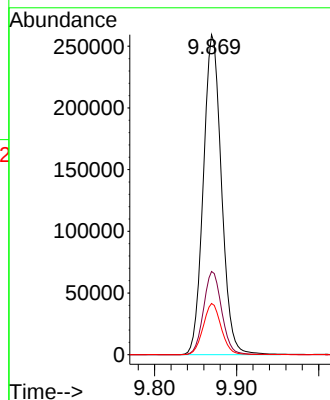
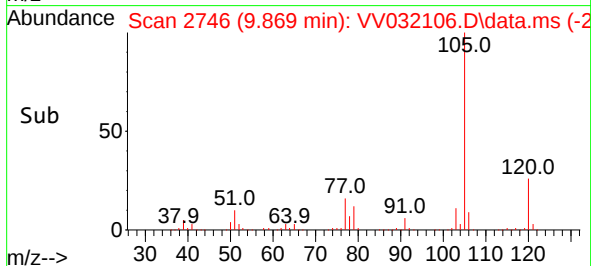


#60
Isopropylbenzene
Concen: 47.692 ug/L
RT: 9.869 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

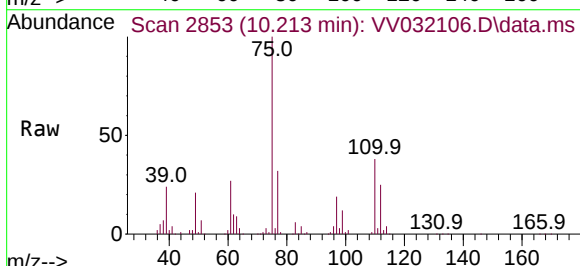
Instrument :
MSVOA_V
ClientSampleId :



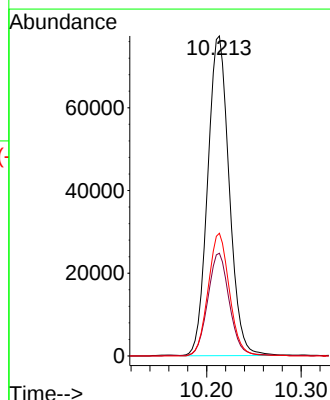
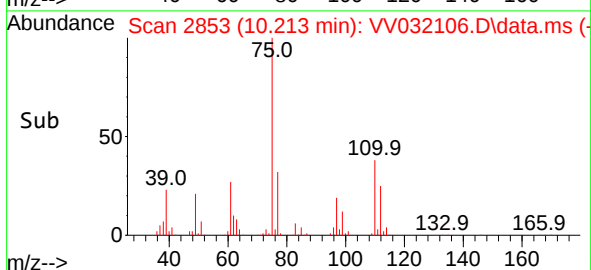
Tgt Ion:105 Resp: 398322
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 15.9 12.8 19.2

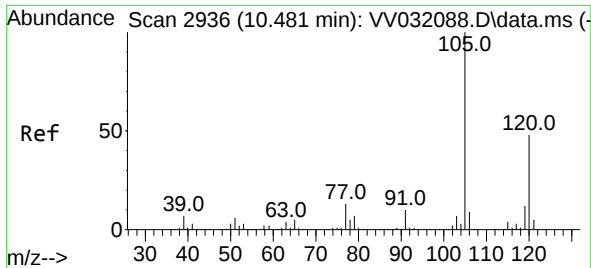


#61
1,2,3-Trichloropropane
Concen: 51.792 ug/L
RT: 10.213 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34



Tgt Ion: 75 Resp: 122016
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5
110 38.2 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 45.791 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

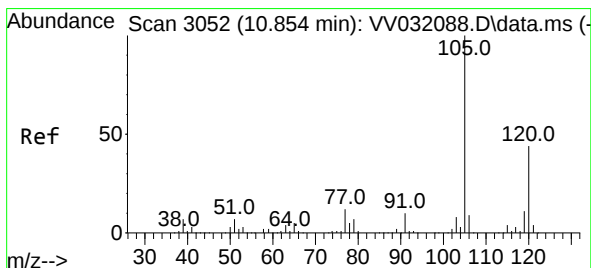
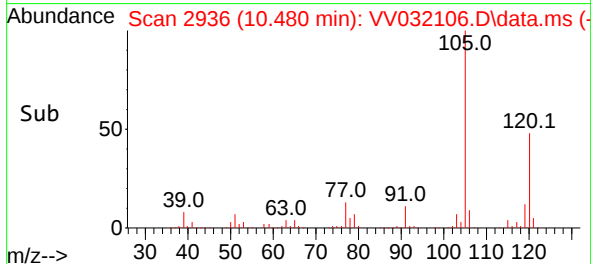
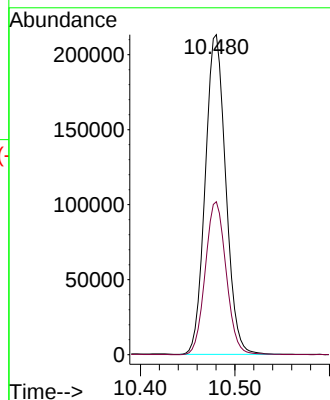
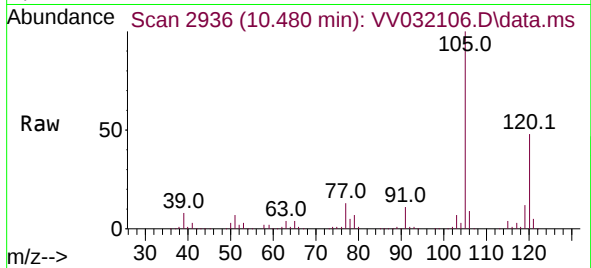
ClientSampleId :

Tgt Ion:105 Resp: 321751

Ion Ratio Lower Upper

105 100

120 48.8 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 46.055 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV032106.D

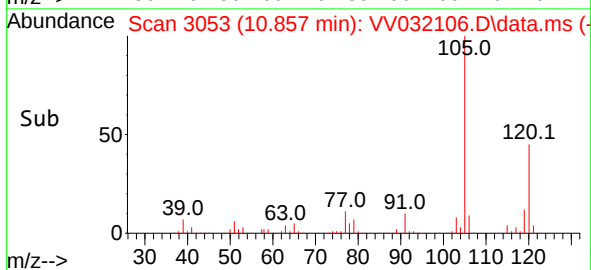
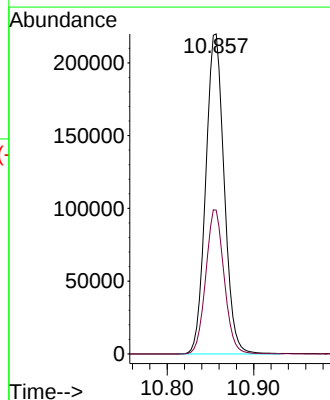
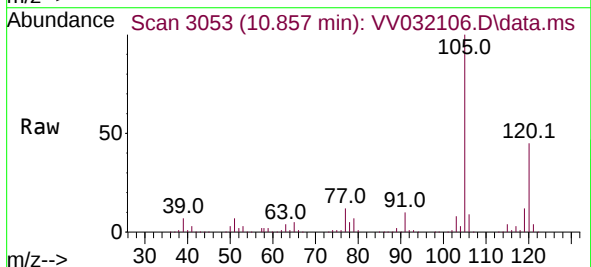
Acq: 14 Sep 2023 22:34

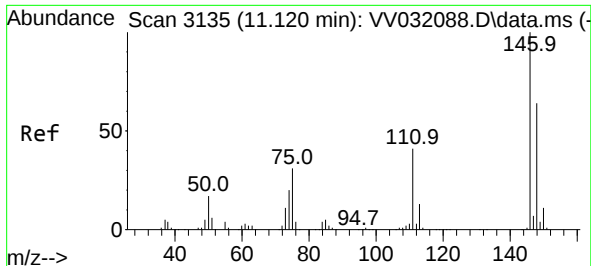
Tgt Ion:105 Resp: 325541

Ion Ratio Lower Upper

105 100

120 44.9 35.9 53.9

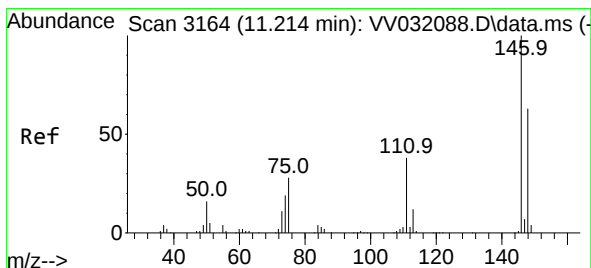
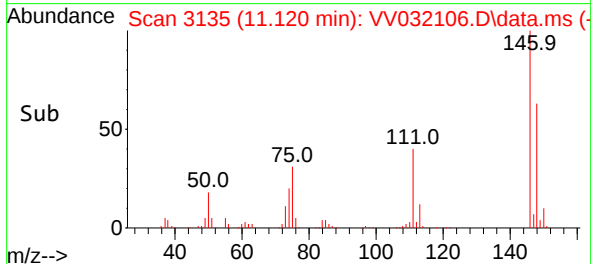
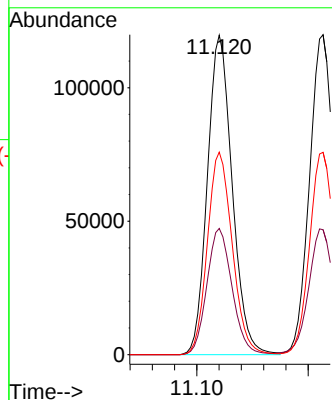
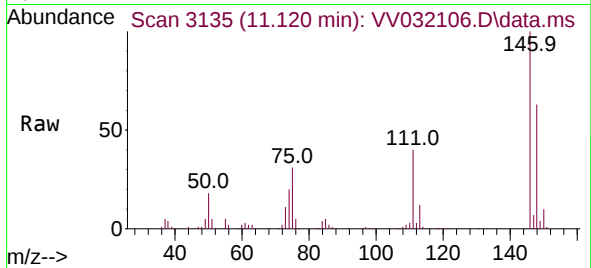




#64
 1,3-Dichlorobenzene
 Concen: 49.491 ug/L
 RT: 11.120 min Scan# 3135
 Delta R.T. -0.000 min
 Lab File: VV032106.D
 Acq: 14 Sep 2023 22:34

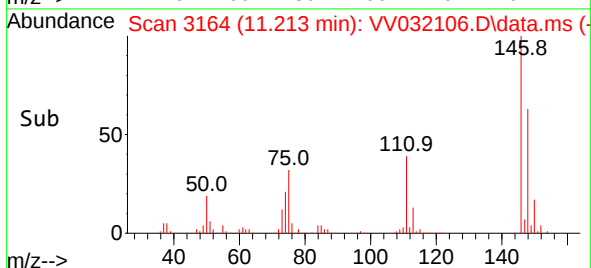
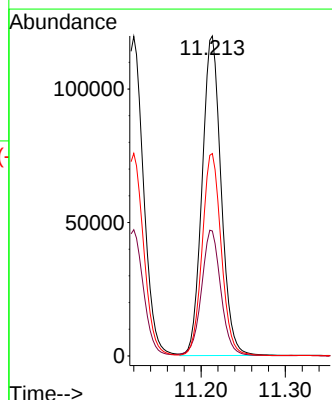
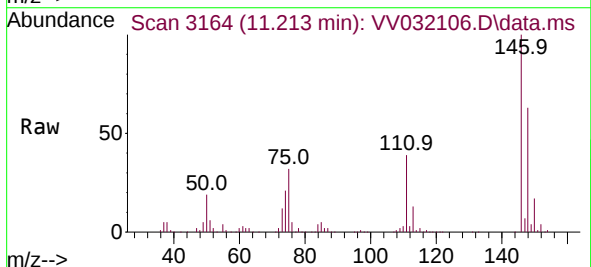
Instrument :
 MSVOA_V
 ClientSampleId :

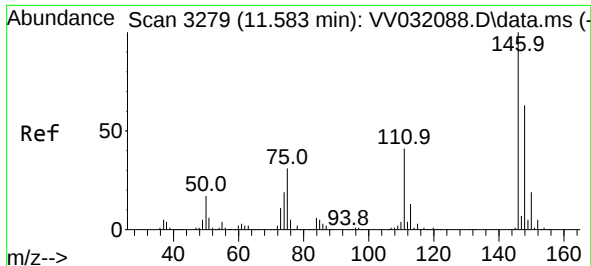
Tgt Ion:146 Resp: 185247
 Ion Ratio Lower Upper
 146 100
 111 39.5 30.2 56.0
 148 63.4 44.1 81.9



#65
 1,4-Dichlorobenzene
 Concen: 49.465 ug/L
 RT: 11.213 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VV032106.D
 Acq: 14 Sep 2023 22:34

Tgt Ion:146 Resp: 188268
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.5 52.9
 148 63.2 44.2 82.2

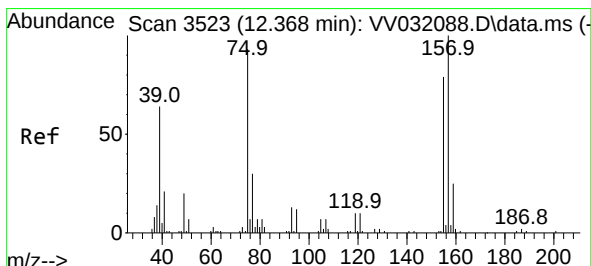
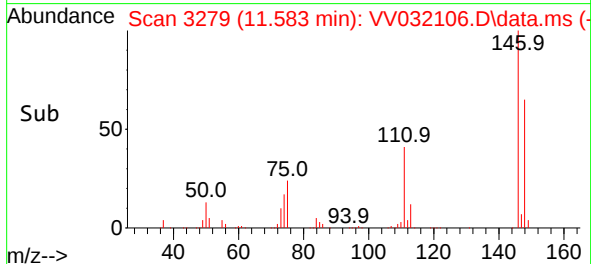
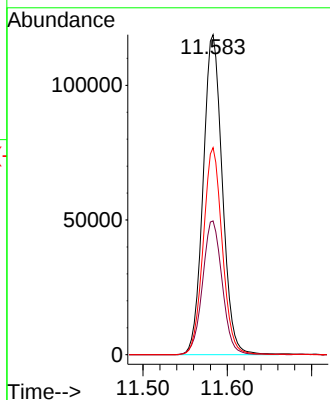
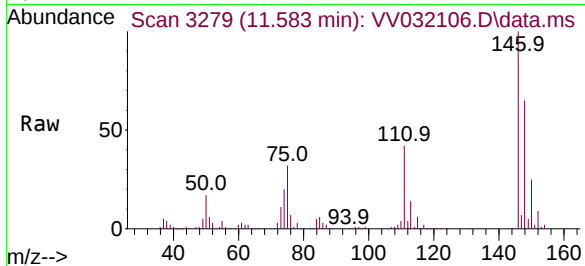




#67
1,2-Dichlorobenzene
Concen: 50.774 ug/L
RT: 11.583 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

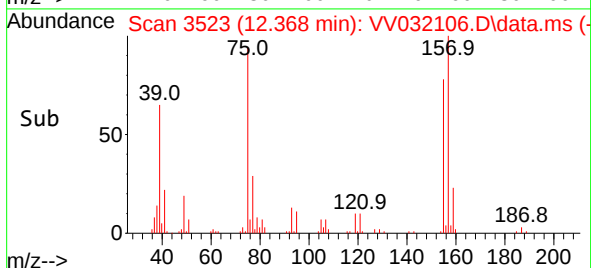
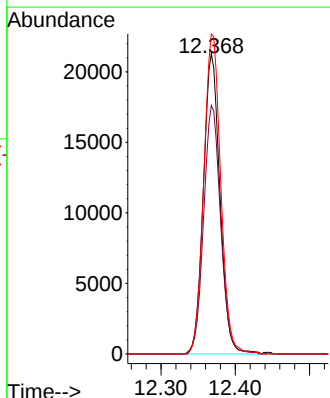
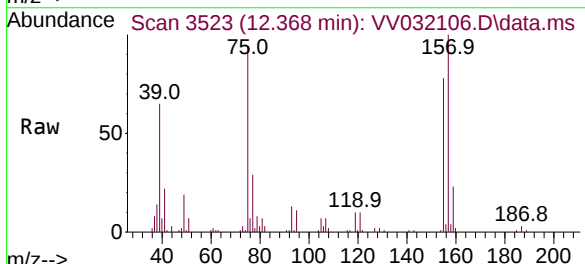
Instrument :
MSVOA_V
ClientSampleId :

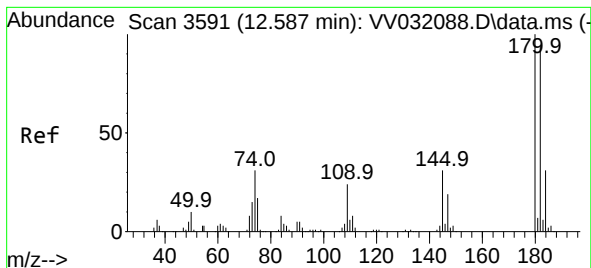
Tgt Ion:146 Resp: 188324
Ion Ratio Lower Upper
146 100
111 41.8 35.8 53.6
148 64.7 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 46.686 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. -0.000 min
Lab File: VV032106.D
Acq: 14 Sep 2023 22:34

Tgt Ion: 75 Resp: 33037
Ion Ratio Lower Upper
75 100
155 82.8 60.1 90.1
157 106.6 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 47.158 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

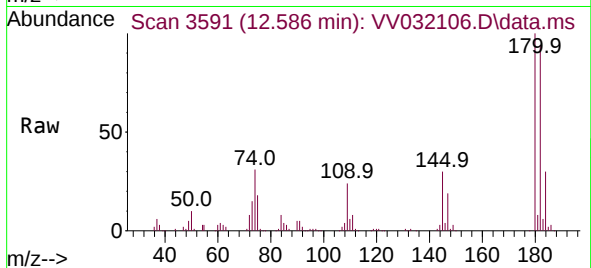
Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 128679

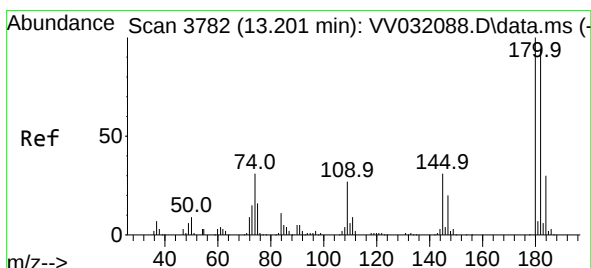
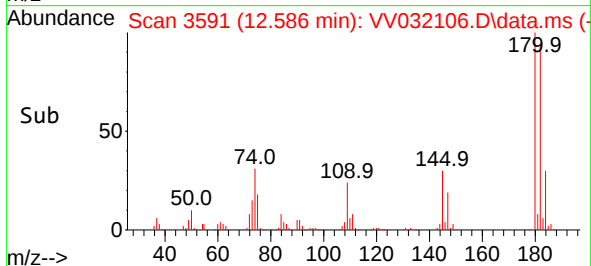
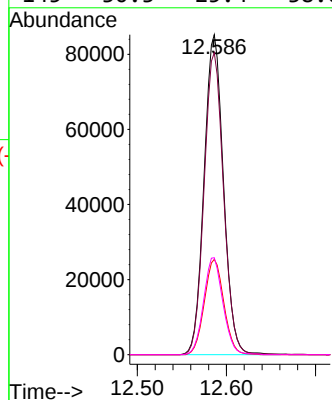
Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.2

184 29.9 23.7 35.5

145 30.3 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 47.725 ug/L

RT: 13.200 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

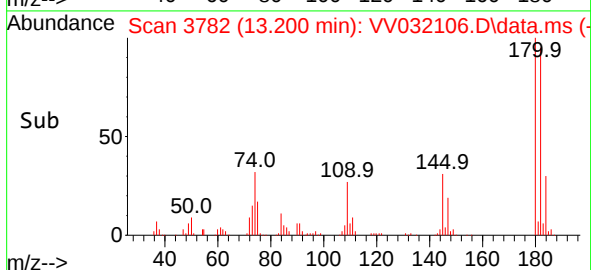
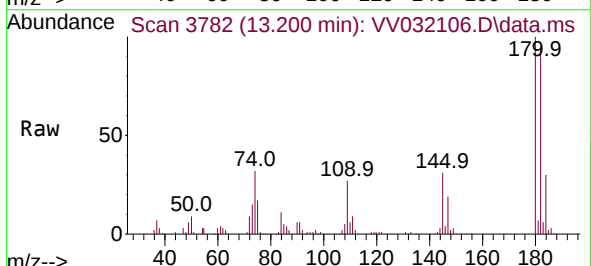
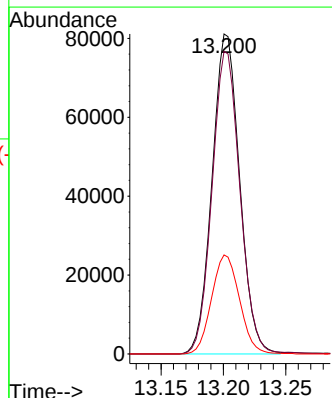
Tgt Ion:180 Resp: 125004

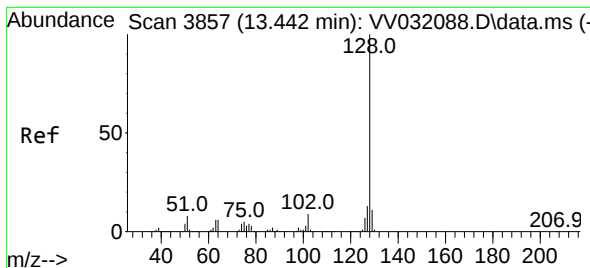
Ion Ratio Lower Upper

180 100

182 95.6 75.4 113.2

145 31.3 26.0 39.0





#71

Naphthalene

Concen: 52.833 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Instrument :

MSVOA_V

ClientSampleId :

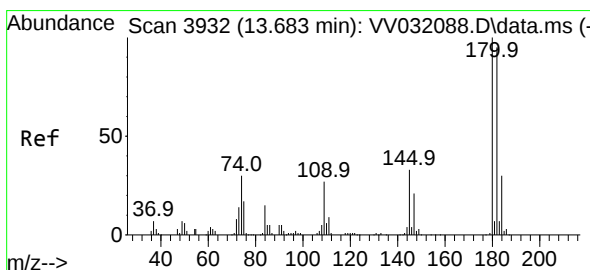
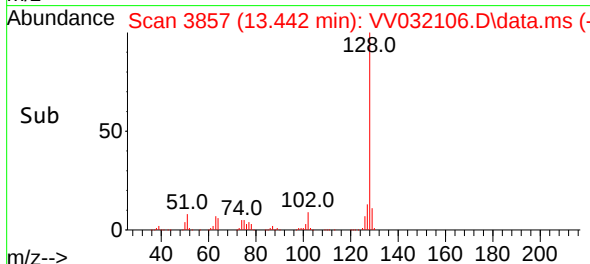
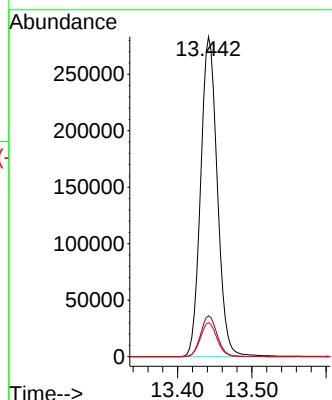
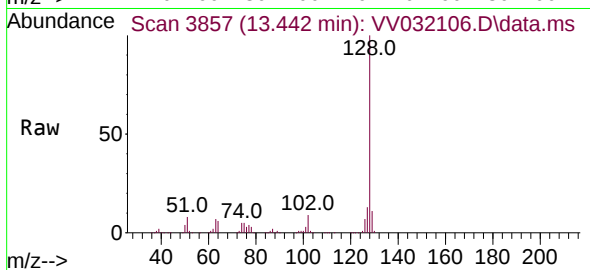
Tgt Ion:128 Resp: 442124

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 10.5 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 51.266 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032106.D

Acq: 14 Sep 2023 22:34

Tgt Ion:180 Resp: 128668

Ion Ratio Lower Upper

180 100

182 94.5 76.7 115.1

145 33.1 27.7 41.5

