

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110423\
 Data File : VW032837.D
 Acq On : 03 Nov 2023 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 04 00:53:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 02 01:08:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	402706	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	402970	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	225043	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	134872	35.212	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.420%
7) Chloroethane-d5	1.532	69	119921	37.435	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.860%
11) 1,1-Dichloroethene-d2	2.063	65	58969	37.273	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.540%
21) 2-Butanone-d5	3.786	46	129553	77.979	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.980%
24) Chloroform-d	4.249	84	266374	43.570	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.140%
26) 1,2-Dichloroethane-d4	4.940	65	163193	42.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.900%
32) Benzene-d6	4.960	84	532001	51.347	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.700%
36) 1,2-Dichloropropane-d6	5.989	67	153222	48.677	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.360%
41) Toluene-d8	7.243	98	496664	48.683	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.360%
43) trans-1,3-Dichloroprop...	7.551	79	79732	48.636	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.280%
47) 2-Hexanone-d5	8.027	63	98624	85.824	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.820%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	217952	45.629	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.260%
66) 1,2-Dichlorobenzene-d4	11.561	152	205737	47.441	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	145121	40.955	ug/L	100
3) Chloromethane	1.217	50	139142	40.589	ug/L	98
5) Vinyl chloride	1.285	62	147346	40.310	ug/L	100
6) Bromomethane	1.490	94	113767	44.605	ug/L	98
8) Chloroethane	1.552	64	102257	41.555	ug/L	98
9) Trichlorofluoromethane	1.716	101	250303	42.969	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	152162	43.171	ug/L	100
12) 1,1-Dichloroethene	2.072	96	129038	42.842	ug/L	87
13) Acetone	2.117	43	190178	68.387	ug/L	99
14) Carbon disulfide	2.243	76	298630	41.534	ug/L	100
15) Methyl Acetate	2.375	43	113428	40.228	ug/L	99
16) Methylene chloride	2.449	84	140454	35.156	ug/L	100
17) trans-1,2-Dichloroethene	2.696	96	126879	44.135	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	394389	46.454	ug/L	99
19) 1,1-Dichloroethane	3.114	63	241758	44.128	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	144930	45.648	ug/L	98
22) 2-Butanone	3.867	43	174700	74.077	ug/L	95
23) Bromochloromethane	4.150	128	77354	43.652	ug/L	96
25) Chloroform	4.275	83	276645	44.304	ug/L	98

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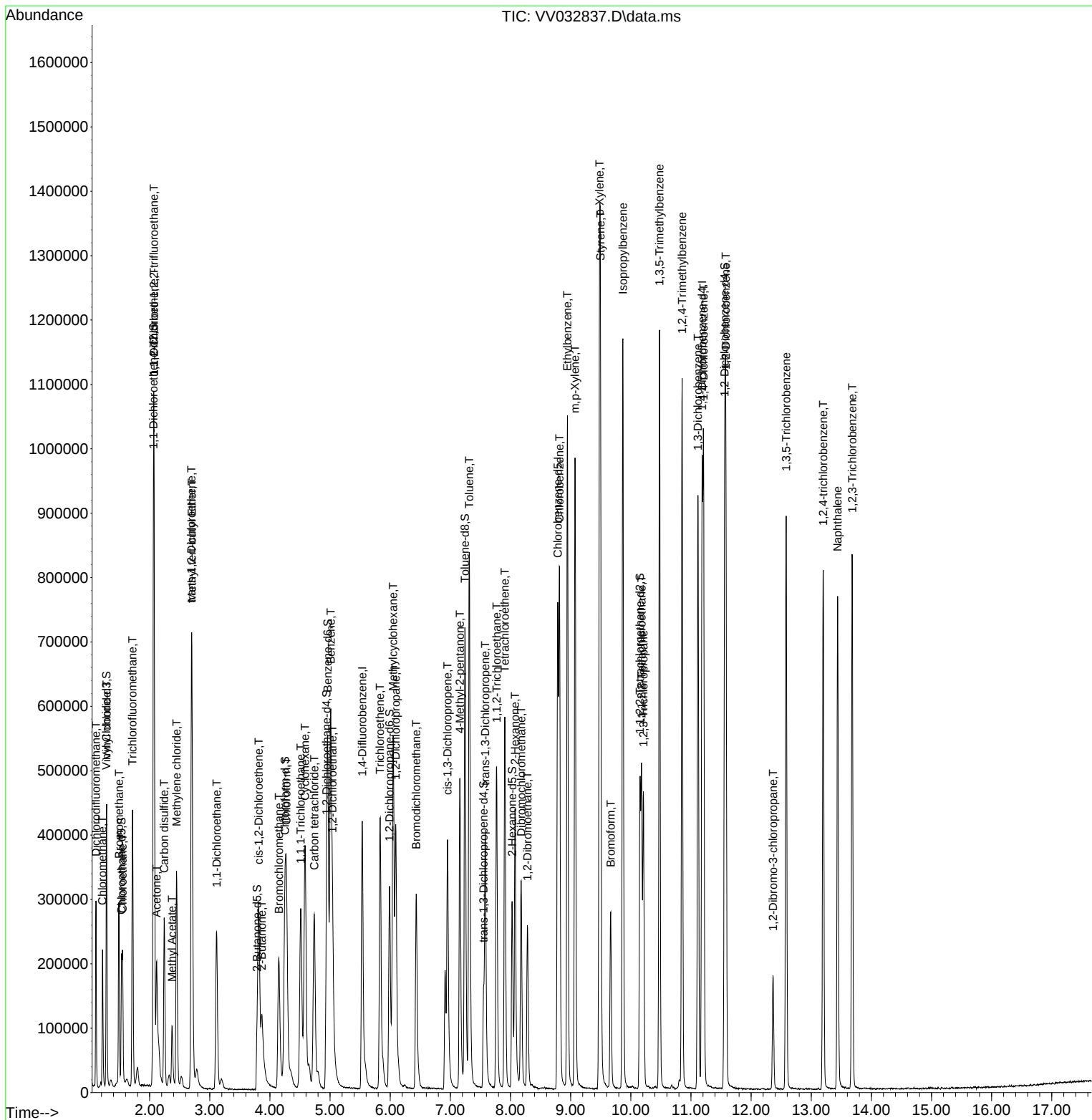
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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 02 01:08:52 2023
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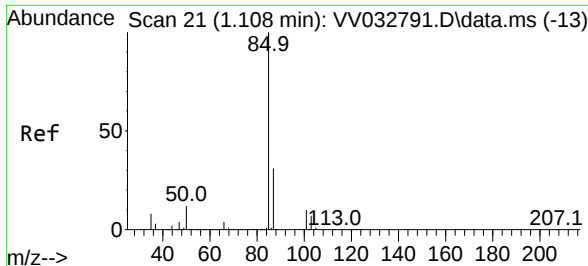
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.040	62	219728	48.828	ug/L	99
29) Cyclohexane	4.584	56	184024	50.812	ug/L #	93
30) 1,1,1-Trichloroethane	4.513	97	236717	49.031	ug/L	99
31) Carbon tetrachloride	4.738	117	210713	49.391	ug/L	99
33) Benzene	5.011	78	544539	50.961	ug/L	100
34) Trichloroethene	5.831	95	159577	53.648	ug/L	98
35) Methylcyclohexane	6.050	83	239834	51.529	ug/L	99
37) 1,2-Dichloropropane	6.092	63	151628	53.458	ug/L	99
38) Bromodichloromethane	6.432	83	216350	48.620	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	239944	56.388	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	318305	94.693	ug/L	99
42) Toluene	7.317	91	645397	53.037	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	226545	51.833	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	160539	49.345	ug/L	98
46) Tetrachloroethene	7.905	164	131020	48.818	ug/L	97
48) 2-Hexanone	8.075	43	266094	88.228	ug/L	98
49) Dibromochloromethane	8.178	129	168756	49.615	ug/L	100
50) 1,2-Dibromoethane	8.281	107	166191	50.141	ug/L	98
51) Chlorobenzene	8.815	112	431356	50.071	ug/L	99
52) Ethylbenzene	8.947	91	708427	52.776	ug/L	99
53) m,p-Xylene	9.072	106	271908	53.224	ug/L	99
54) o-Xylene	9.480	106	263538	53.248	ug/L	100
55) Styrene	9.497	104	482074	55.892	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	226243	46.432	ug/L	99
59) Bromoform	9.667	173	119697	47.439	ug/L	99
60) Isopropylbenzene	9.870	105	729091	53.423	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	170814	45.442	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	587370	54.692	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	569445	55.430	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	367124	51.636	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	380527	50.724	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	363065	50.020	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	39833	40.717	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	263834	51.402	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	236292	53.232	ug/L	99
71) Naphthalene	13.439	128	586867	52.943	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	239288	53.992	ug/L	99

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

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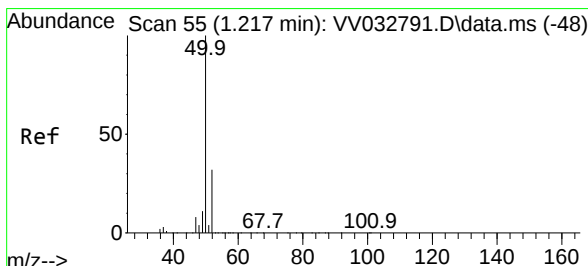
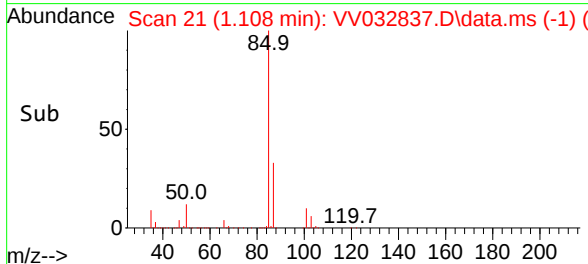
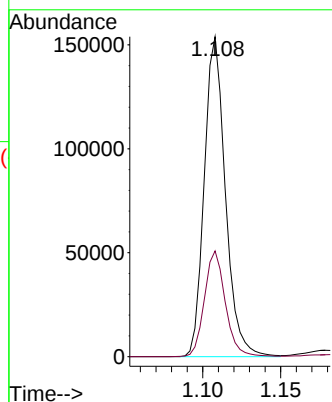
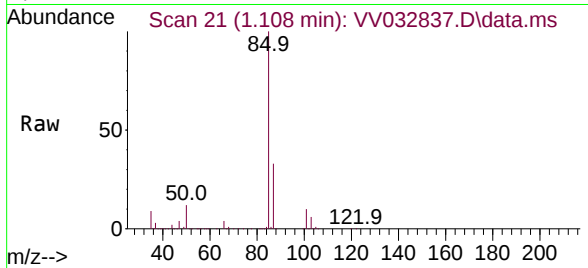




#2
 Dichlorodifluoromethane
 Concen: 40.955 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV032837.D
 Acq: 03 Nov 2023 09:00

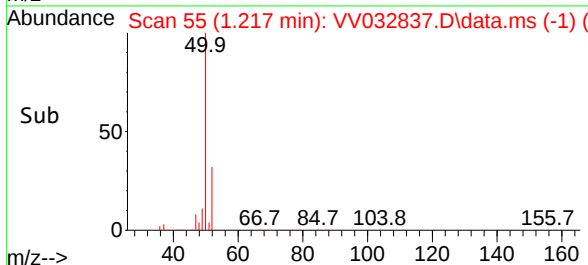
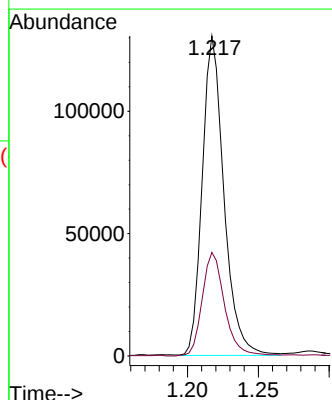
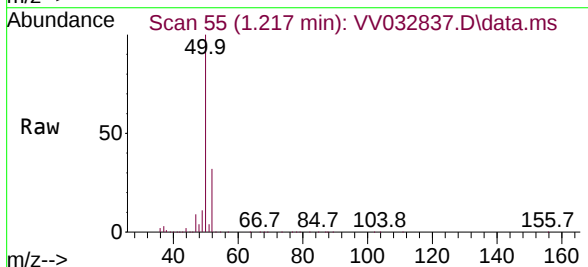
Instrument :
 MSVOA_V
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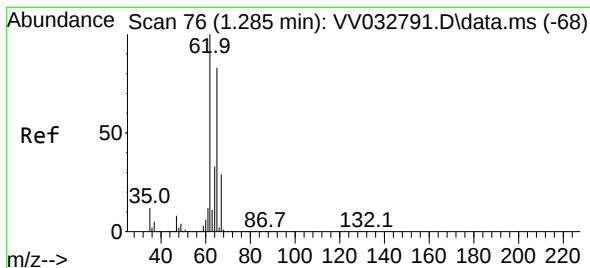
Tgt Ion: 85 Resp: 145121
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.2 39.4



#3
 Chloromethane
 Concen: 40.589 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032837.D
 Acq: 03 Nov 2023 09:00

Tgt Ion: 50 Resp: 139142
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.5 43.7





#5

Vinyl chloride

Concen: 40.310 ug/L

RT: 1.285 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Instrument :

MSVOA_V

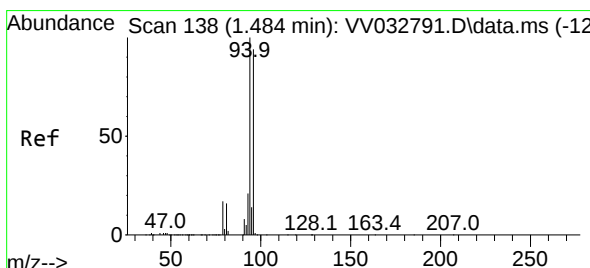
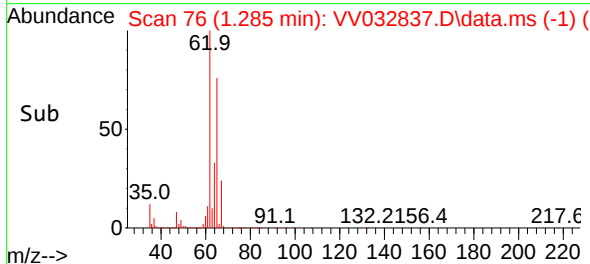
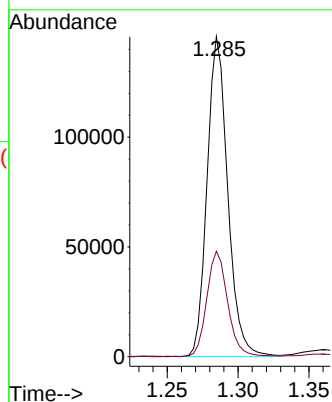
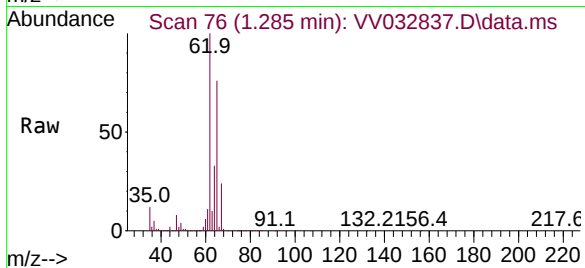
ClientSampleId :

Tgt Ion: 62 Resp: 147346

Ion Ratio Lower Upper

62 100

64 33.0 23.2 43.0



#6

Bromomethane

Concen: 44.605 ug/L

RT: 1.490 min Scan# 140

Delta R.T. 0.006 min

Lab File: VV032837.D

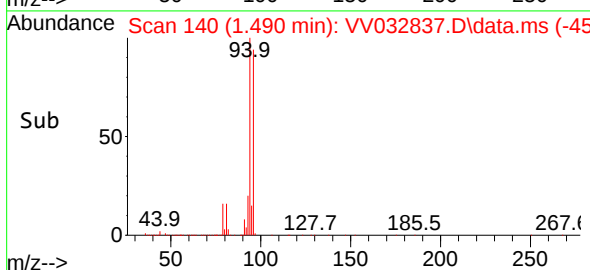
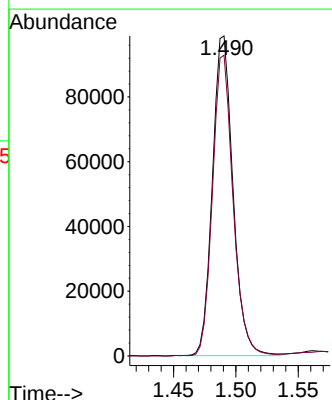
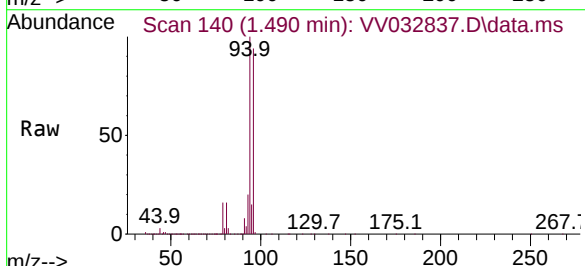
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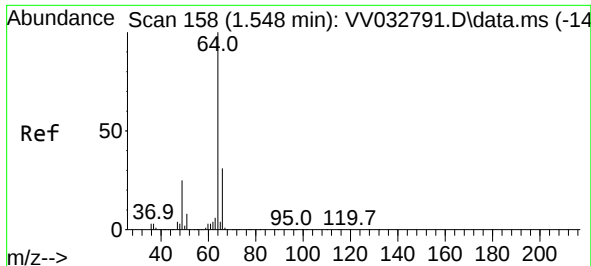
Tgt Ion: 94 Resp: 113767

Ion Ratio Lower Upper

94 100

96 94.0 64.2 119.2

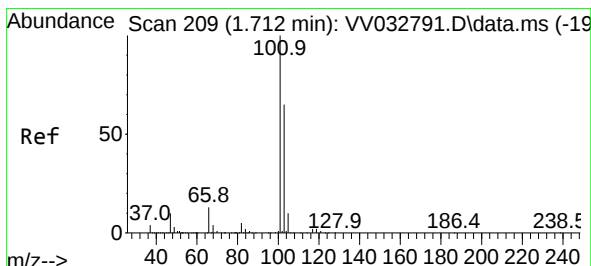
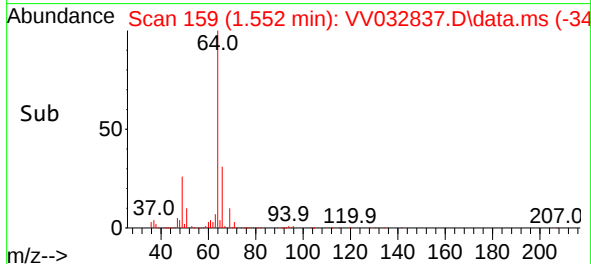
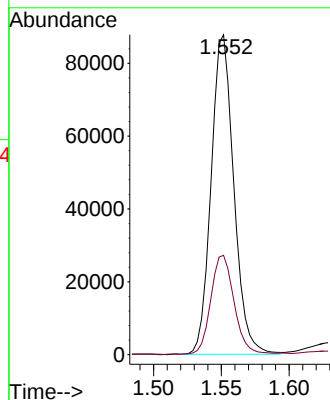
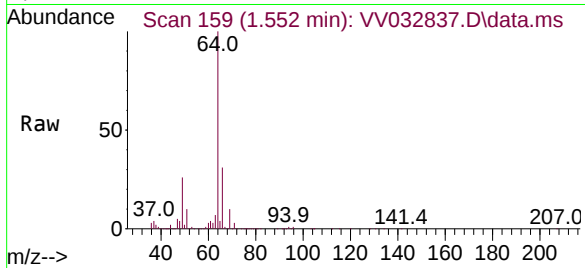




#8
Chloroethane
Concen: 41.555 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

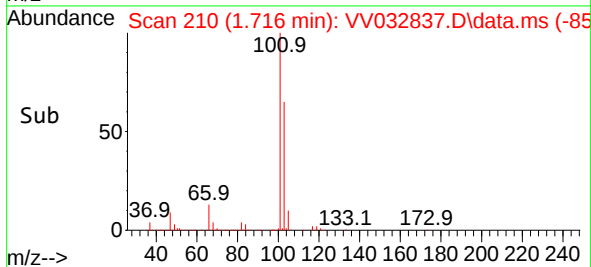
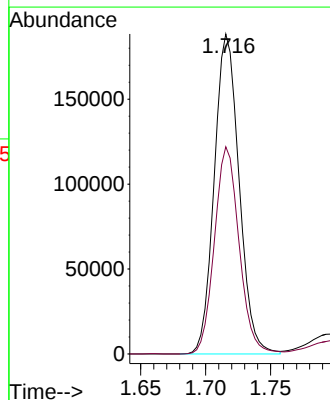
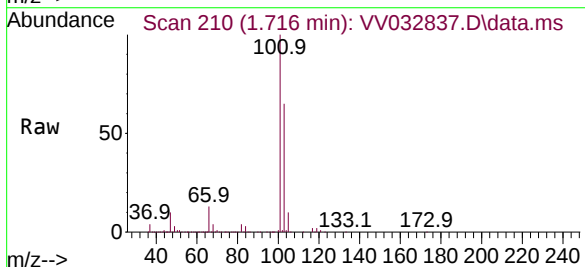
Instrument :
MSVOA_V
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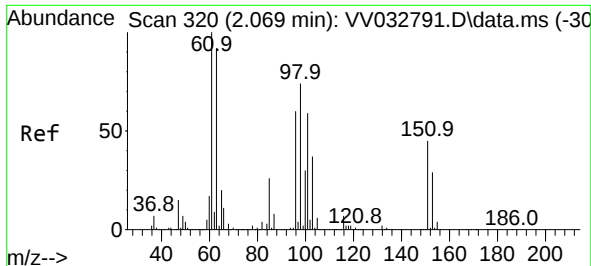
Tgt Ion: 64 Resp: 102257
Ion Ratio Lower Upper
64 100
66 31.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 42.969 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion:101 Resp: 250303
Ion Ratio Lower Upper
101 100
103 64.4 51.7 77.5

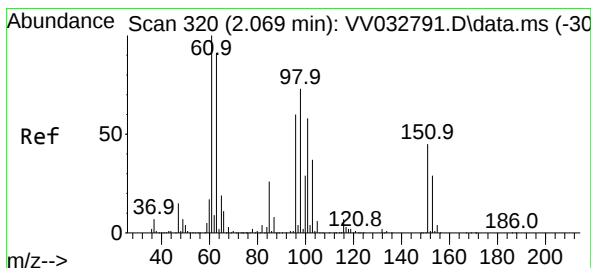
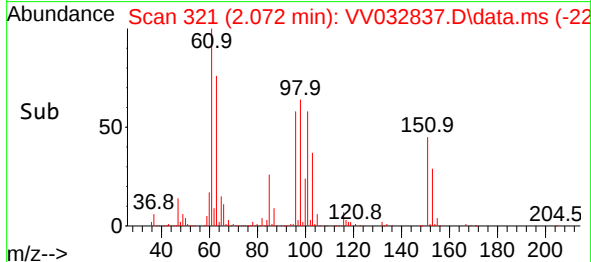
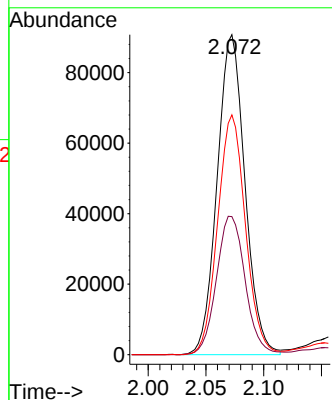
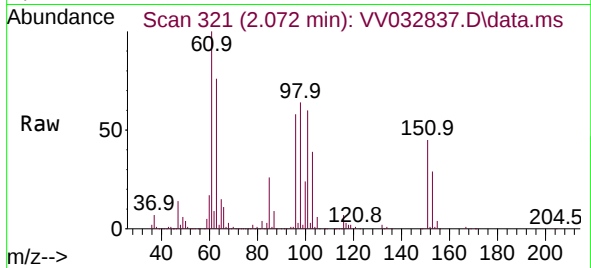




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.171 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV032837.D
 Acq: 03 Nov 2023 09:00

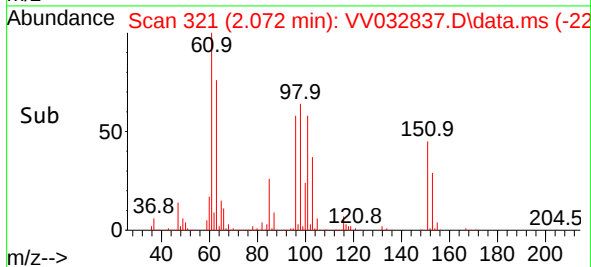
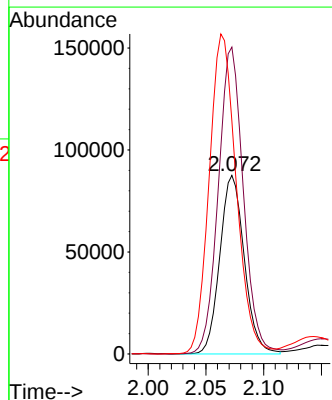
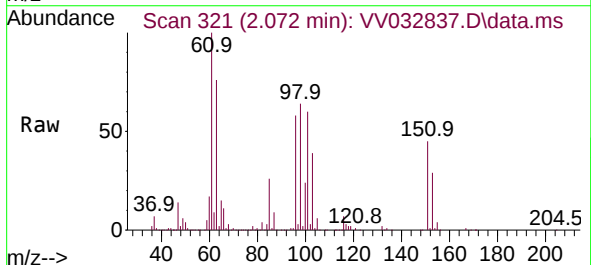
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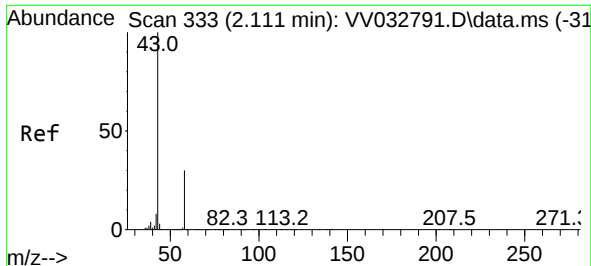
Tgt Ion:101 Resp: 152162
 Ion Ratio Lower Upper
 101 100
 85 44.9 35.6 53.4
 151 74.9 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 42.842 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV032837.D
 Acq: 03 Nov 2023 09:00

Tgt Ion: 96 Resp: 129038
 Ion Ratio Lower Upper
 96 100
 61 171.8 124.2 230.6
 63 130.5 111.8 207.6

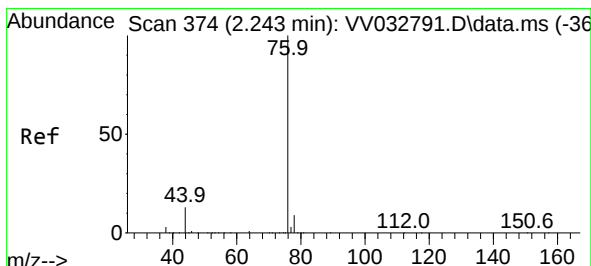
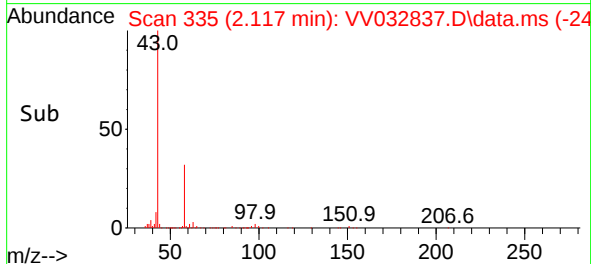
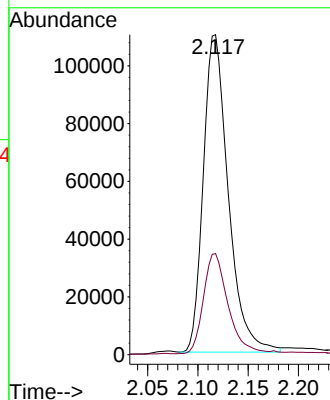
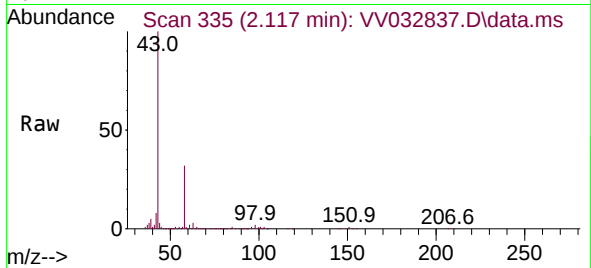




#13
Acetone
Concen: 68.387 ug/L
RT: 2.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

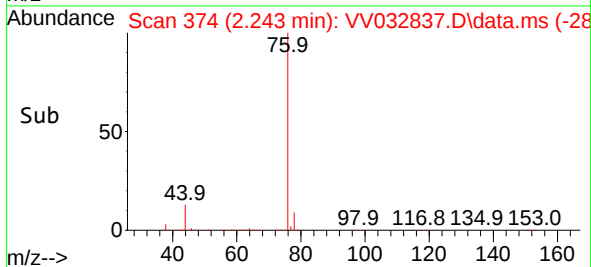
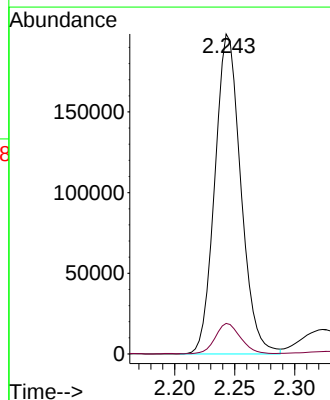
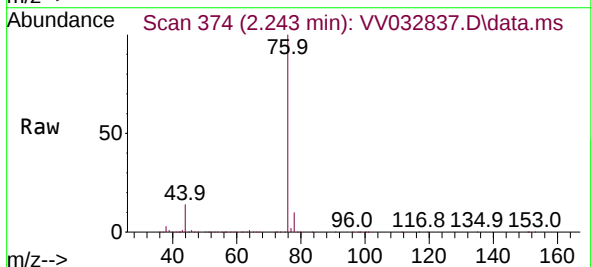
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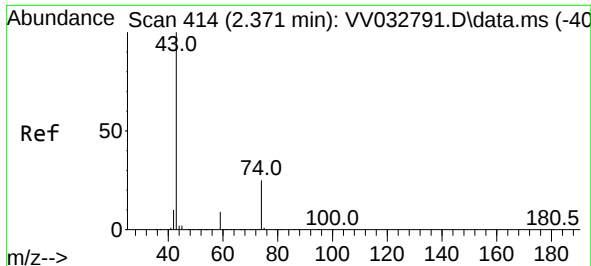
Tgt Ion: 43 Resp: 190178
Ion Ratio Lower Upper
43 100
58 31.0 0.0 61.2



#14
Carbon disulfide
Concen: 41.534 ug/L
RT: 2.243 min Scan# 374
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion: 76 Resp: 298630
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

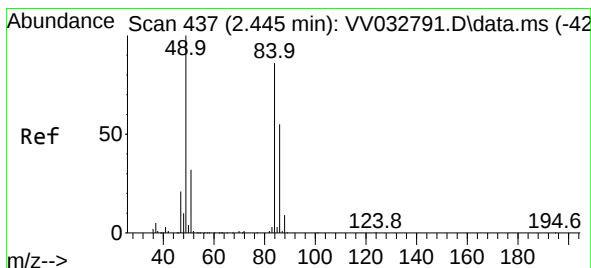
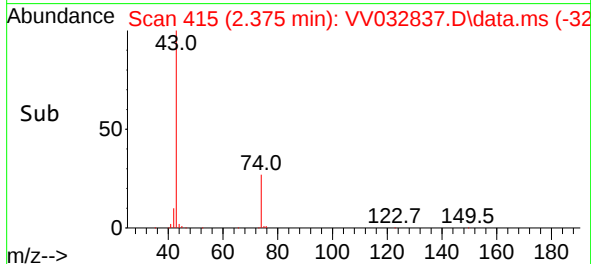
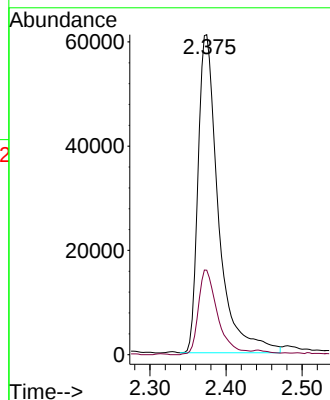
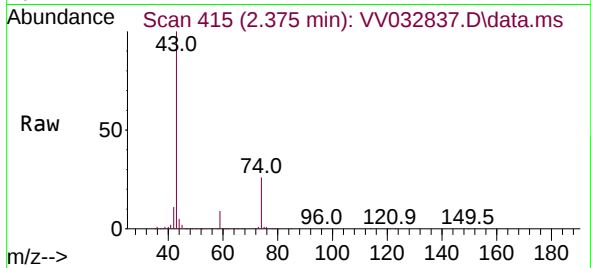




#15
Methyl Acetate
Concen: 40.228 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

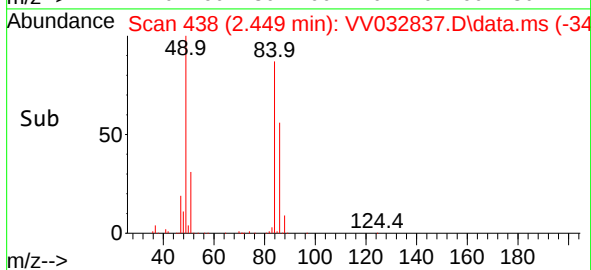
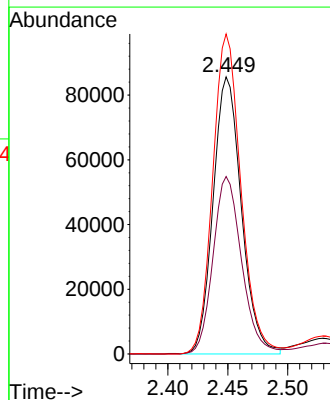
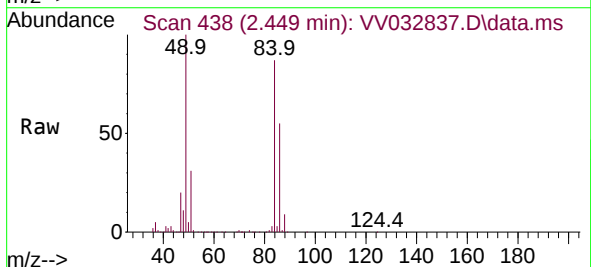
Instrument :
MSVOA_V
ClientSampleId :

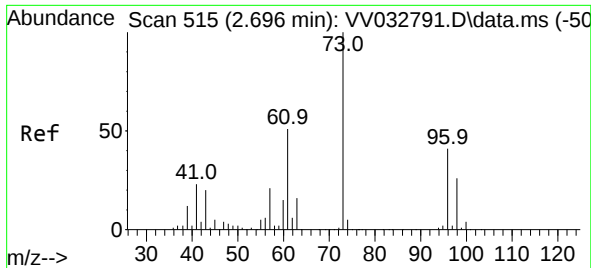
Tgt Ion: 43 Resp: 113428
Ion Ratio Lower Upper
43 100
74 25.2 20.6 30.8



#16
Methylene chloride
Concen: 35.156 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion: 84 Resp: 140454
Ion Ratio Lower Upper
84 100
86 64.1 45.0 83.6
49 115.5 81.2 150.8

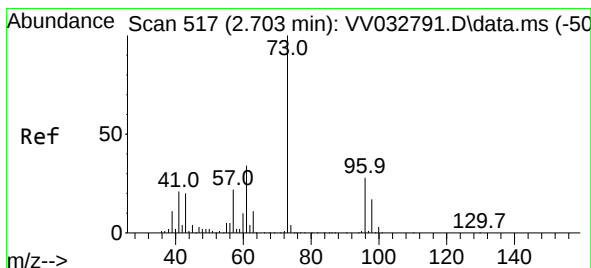
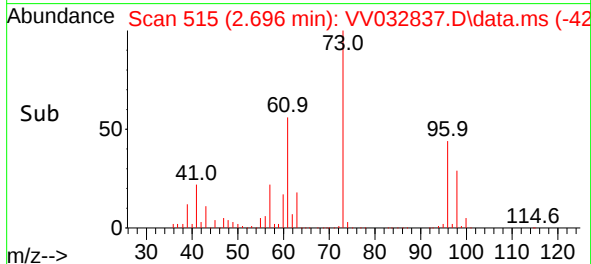
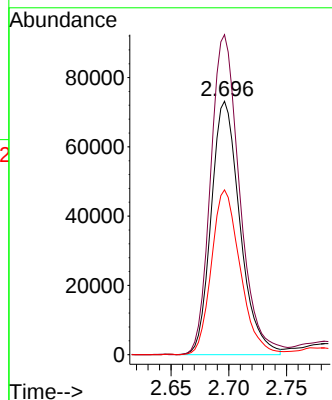
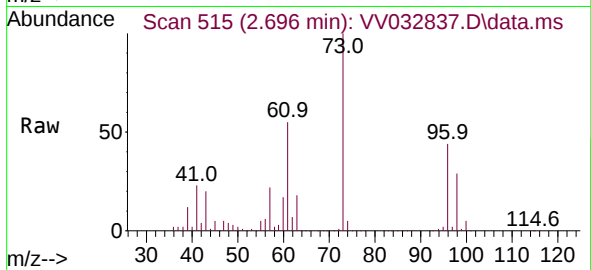




#17
trans-1,2-Dichloroethene
Concen: 44.135 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

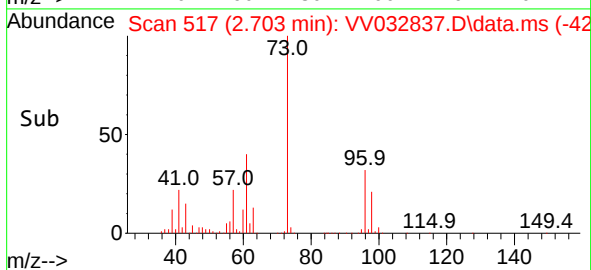
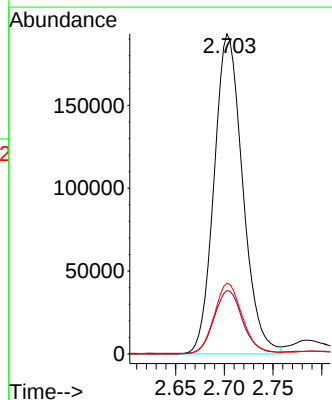
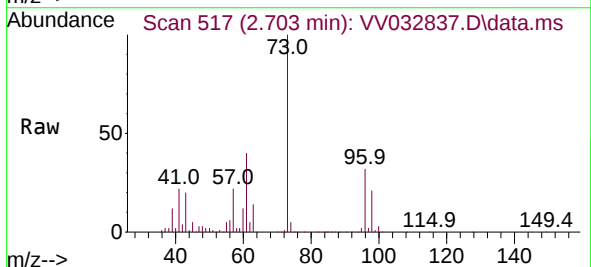
Instrument :
MSVOA_V
ClientSampleId :

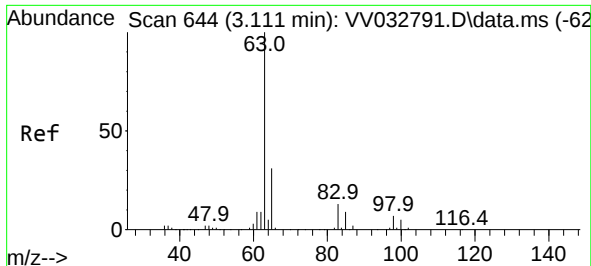
Tgt Ion: 96 Resp: 126879
Ion Ratio Lower Upper
96 100
61 126.2 86.9 161.3
98 65.0 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 46.454 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion: 73 Resp: 394389
Ion Ratio Lower Upper
73 100
43 19.6 16.1 24.1
57 21.6 17.4 26.0





#19

1,1-Dichloroethane

Concen: 44.128 ug/L

RT: 3.114 min Scan# 644

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

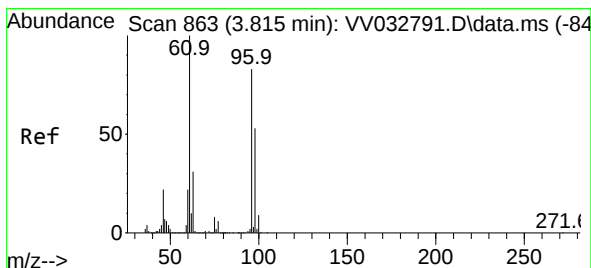
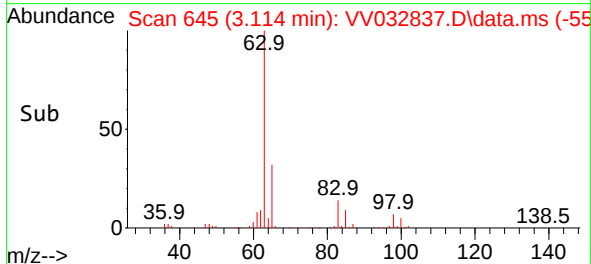
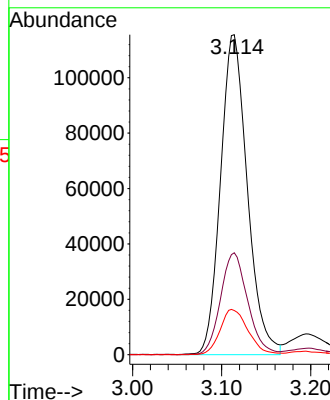
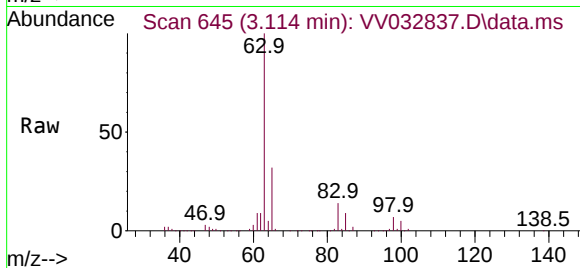
Tgt Ion: 63 Resp: 241758

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

83 13.8 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 45.648 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

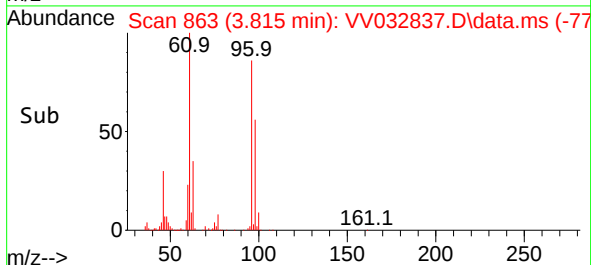
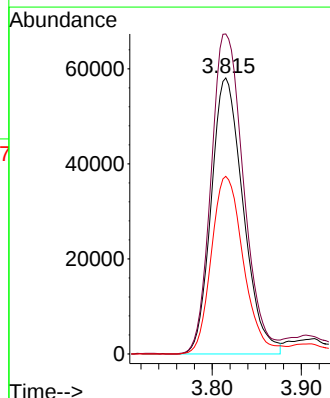
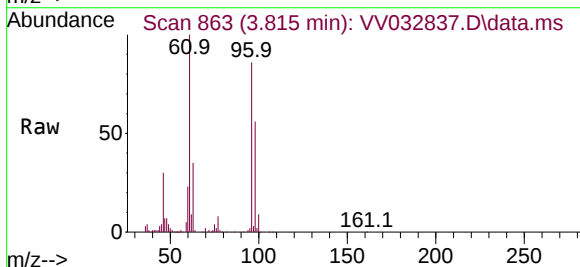
Tgt Ion: 96 Resp: 144930

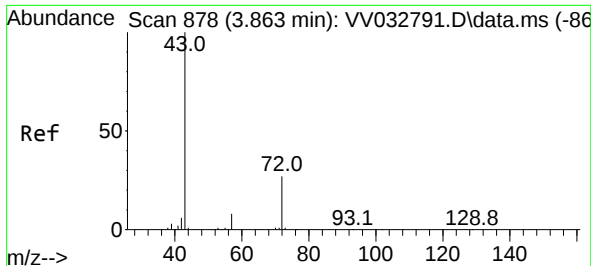
Ion Ratio Lower Upper

96 100

61 116.0 83.3 154.7

98 64.4 44.2 82.2

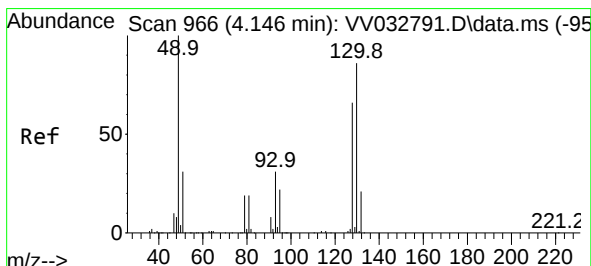
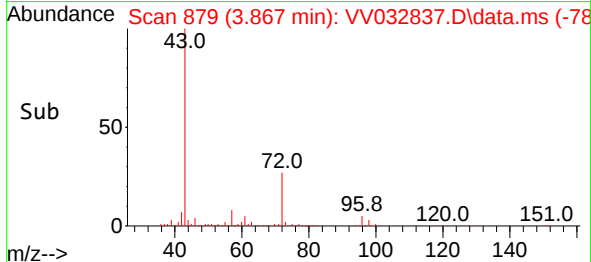
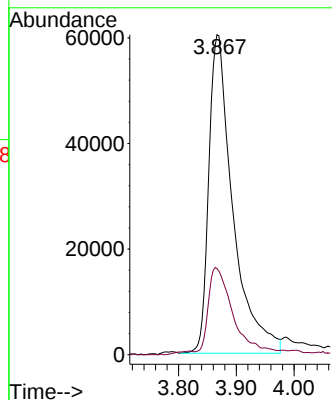
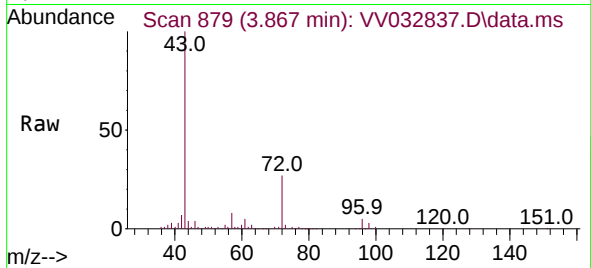




#22
2-Butanone
Concen: 74.077 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

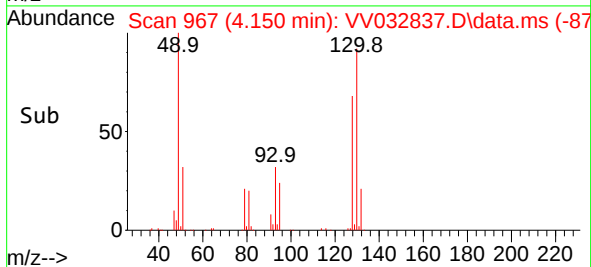
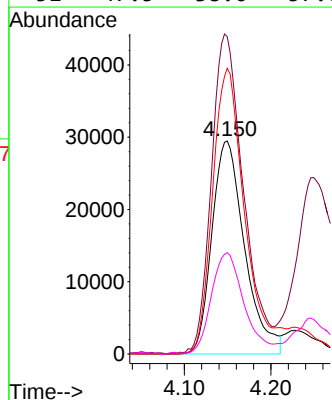
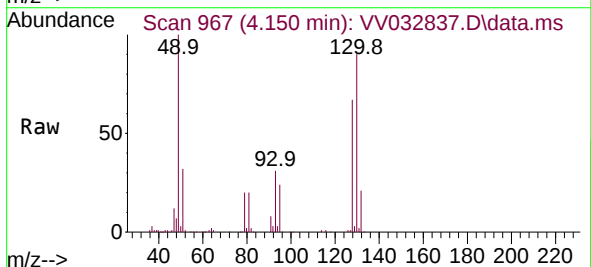
Instrument :
MSVOA_V
ClientSampleId :

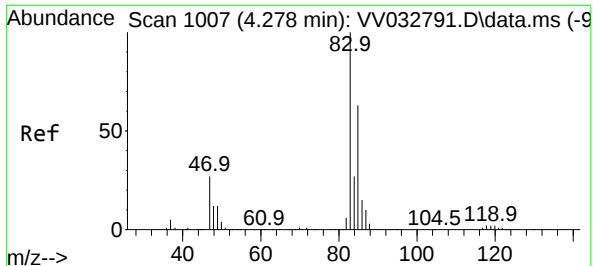
Tgt Ion: 43 Resp: 174700
Ion Ratio Lower Upper
43 100
72 24.5 13.5 40.4



#23
Bromochloromethane
Concen: 43.652 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion:128 Resp: 77354
Ion Ratio Lower Upper
128 100
49 149.0 101.0 187.6
130 134.2 88.5 164.4
51 47.5 38.0 57.0





#25

Chloroform

Concen: 44.304 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Instrument :

MSVOA_V

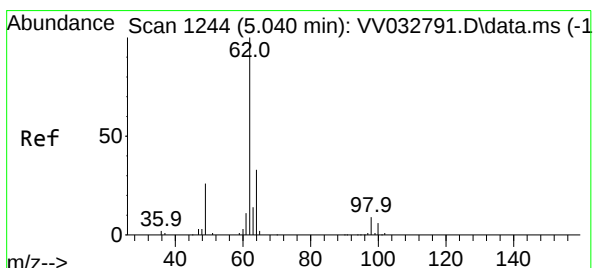
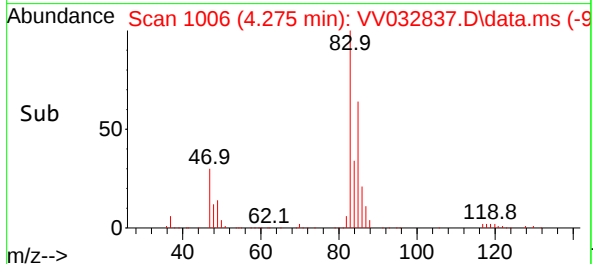
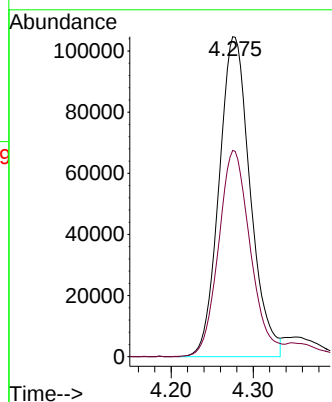
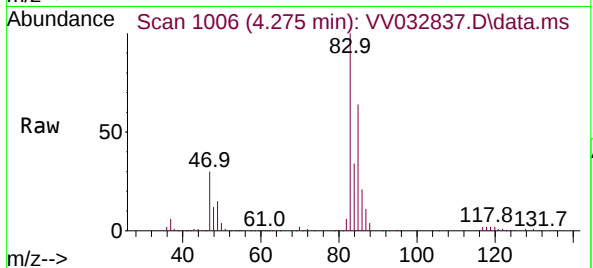
ClientSampleId :

Tgt Ion: 83 Resp: 276645

Ion Ratio Lower Upper

83 100

85 64.4 46.2 85.8



#27

1,2-Dichloroethane

Concen: 48.828 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VV032837.D

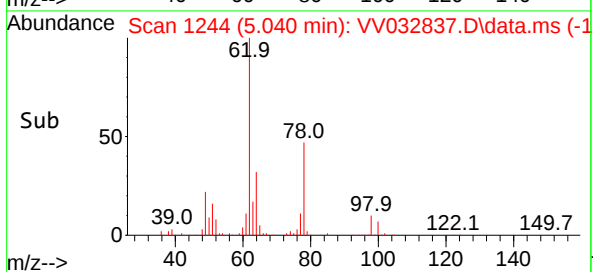
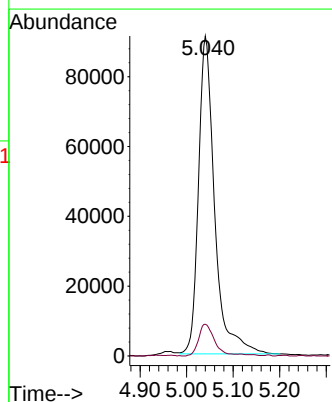
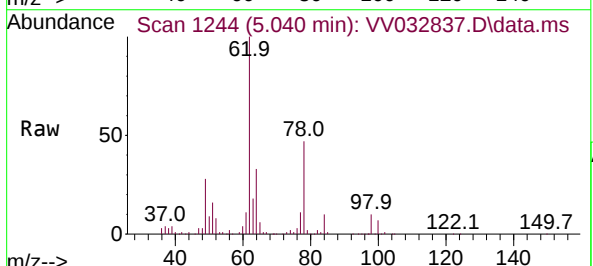
Acq: 03 Nov 2023 09:00

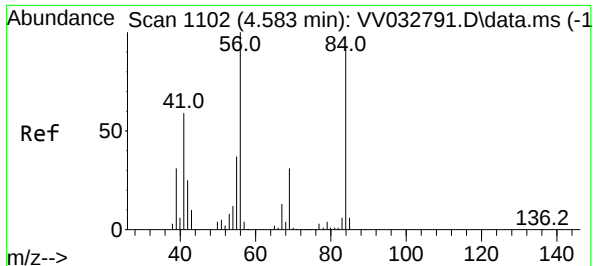
Tgt Ion: 62 Resp: 219728

Ion Ratio Lower Upper

62 100

98 9.9 7.5 11.3





#29

Cyclohexane

Concen: 50.812 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

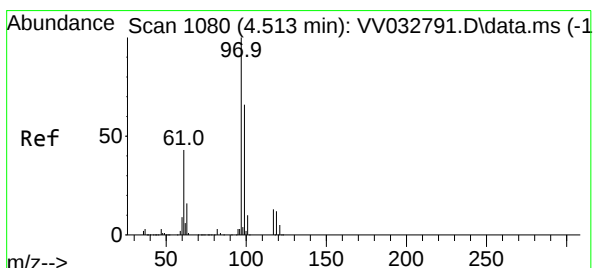
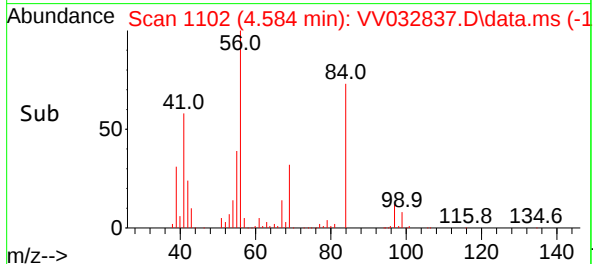
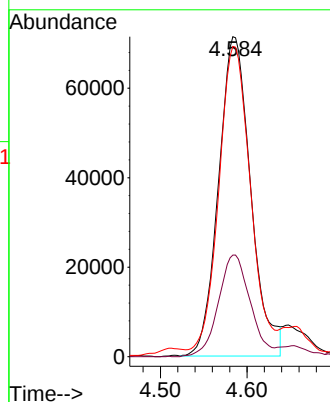
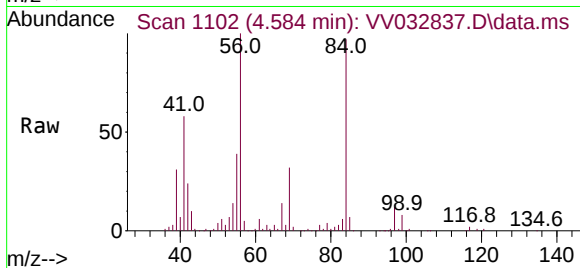
Tgt Ion: 56 Resp: 184024

Ion Ratio Lower Upper

56 100

69 31.5 13.4 20.0#

84 91.5 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 49.031 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

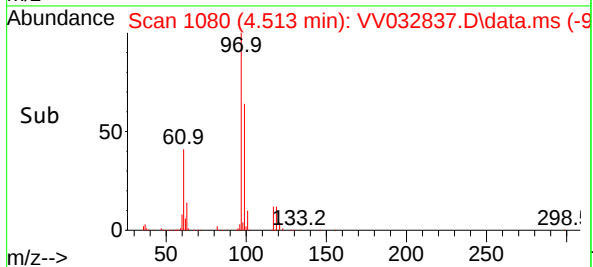
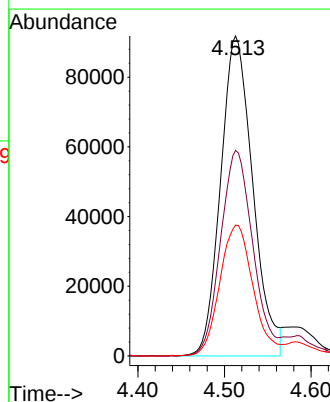
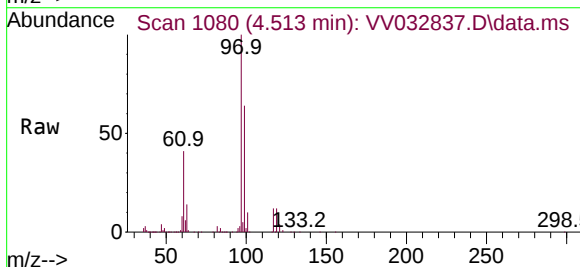
Tgt Ion: 97 Resp: 236717

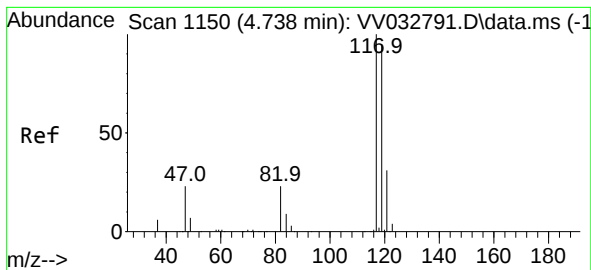
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 42.1 34.8 52.2





#31

Carbon tetrachloride

Concen: 49.391 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.003 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Instrument :

MSVOA_V

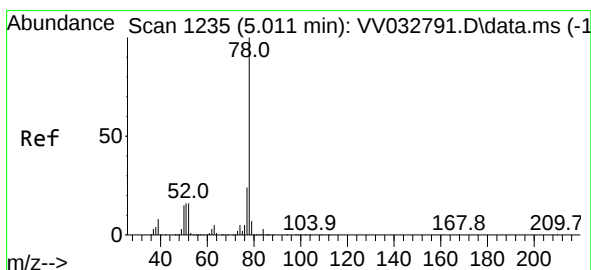
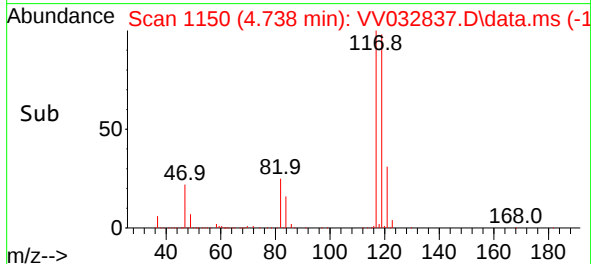
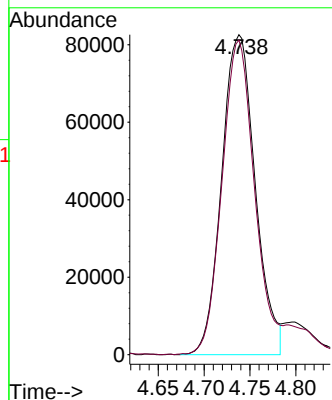
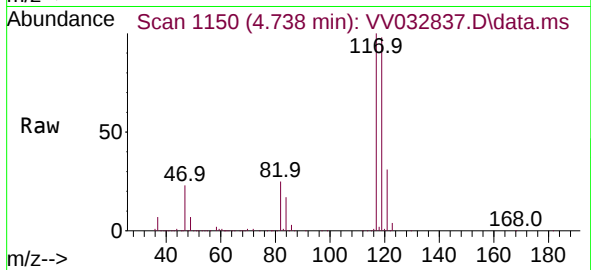
ClientSampleId :

Tgt Ion:117 Resp: 210713

Ion Ratio Lower Upper

117 100

119 95.2 76.6 115.0



#33

Benzene

Concen: 50.961 ug/L

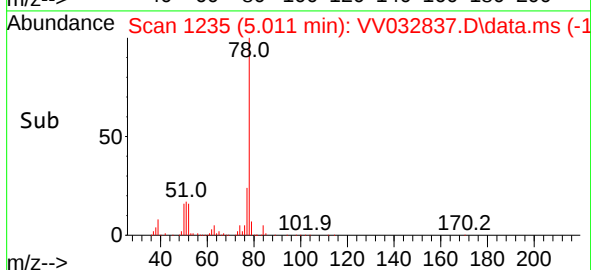
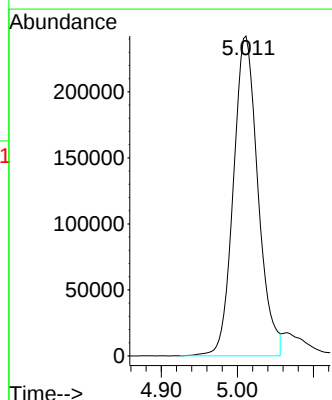
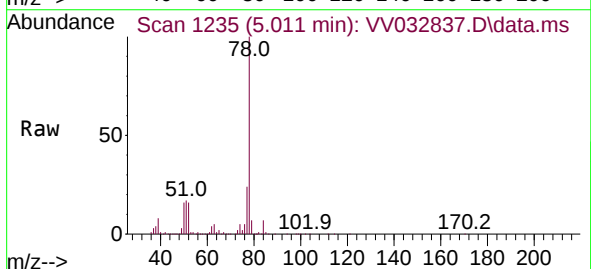
RT: 5.011 min Scan# 1235

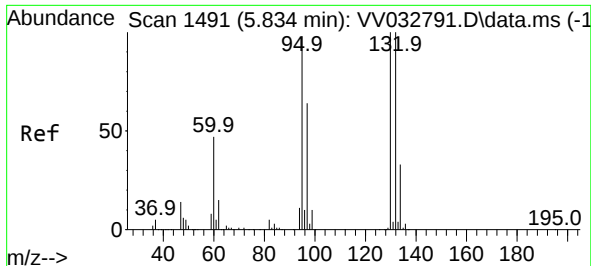
Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Tgt Ion: 78 Resp: 544539

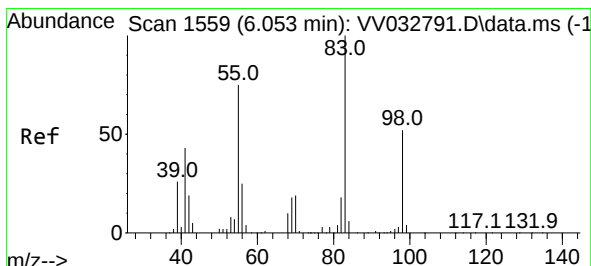
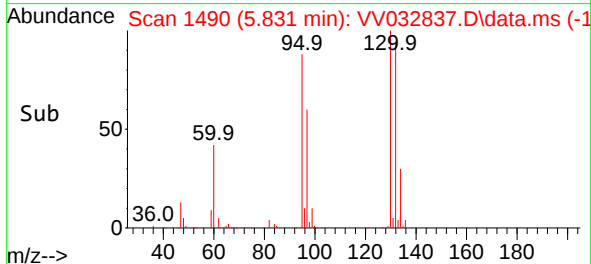
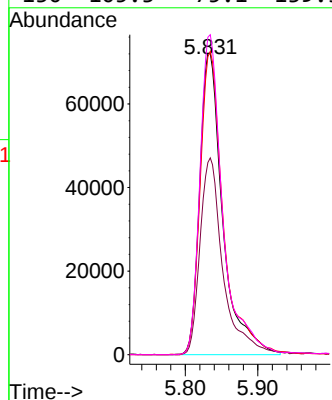
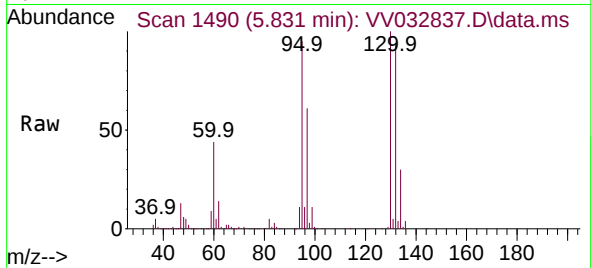




#34
Trichloroethene
Concen: 53.648 ug/L
RT: 5.831 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

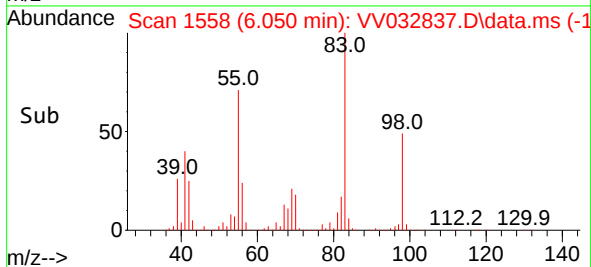
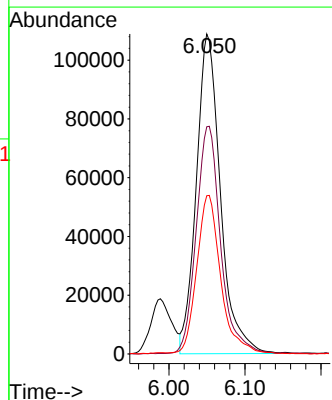
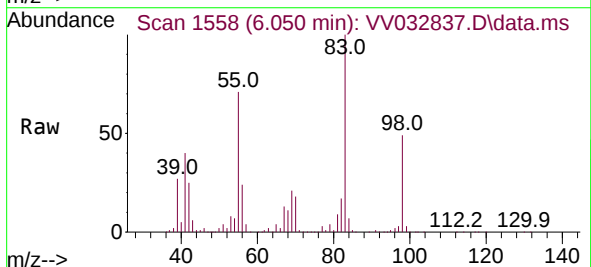
Instrument :
MSVOA_V
ClientSampleId :

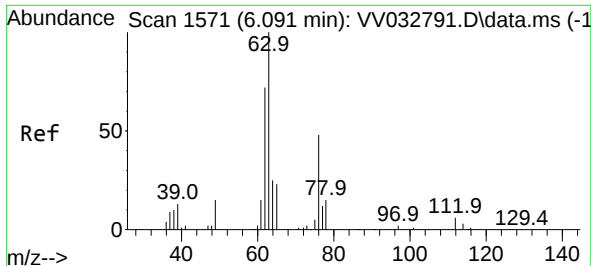
Tgt Ion: 95 Resp: 159577
Ion Ratio Lower Upper
95 100
97 63.7 46.3 85.9
132 98.8 69.0 128.2
130 105.3 75.1 139.5



#35
Methylcyclohexane
Concen: 51.529 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.003 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion: 83 Resp: 239834
Ion Ratio Lower Upper
83 100
55 72.1 57.8 86.8
98 48.3 39.4 59.2

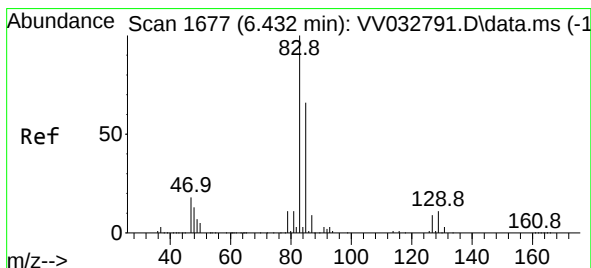
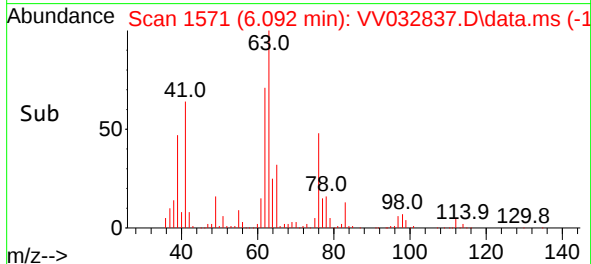
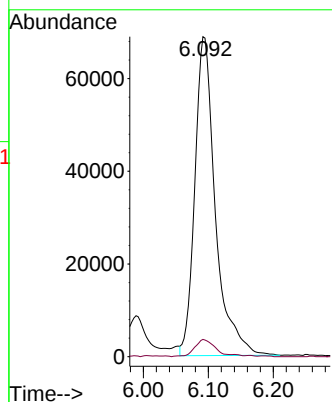
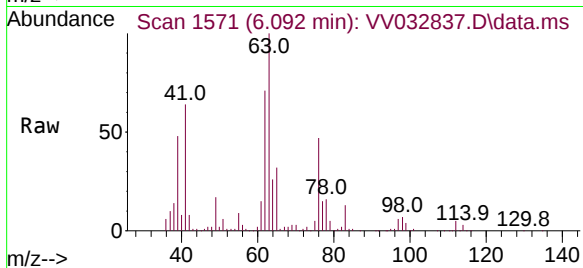




#37
1,2-Dichloropropane
Concen: 53.458 ug/L
RT: 6.092 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

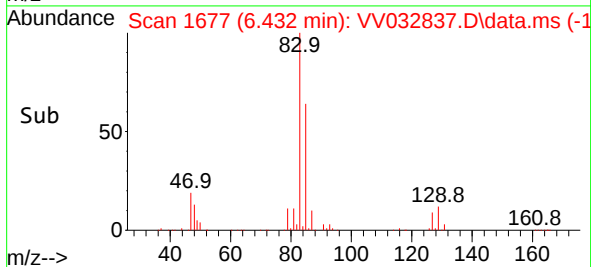
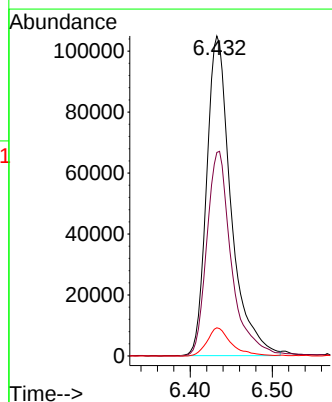
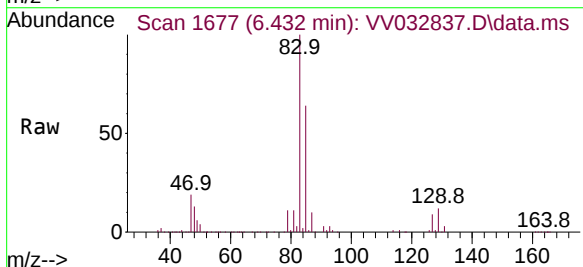
Instrument :
MSVOA_V
ClientSampleId :

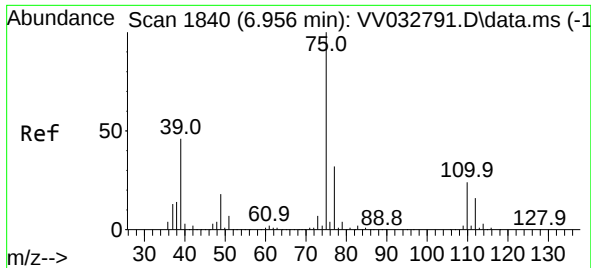
Tgt Ion: 63 Resp: 151628
Ion Ratio Lower Upper
63 100
112 5.3 4.1 6.1



#38
Bromodichloromethane
Concen: 48.620 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion: 83 Resp: 216350
Ion Ratio Lower Upper
83 100
85 63.6 45.1 83.9
127 8.8 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 56.388 ug/L

RT: 6.953 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Instrument :

MSVOA_V

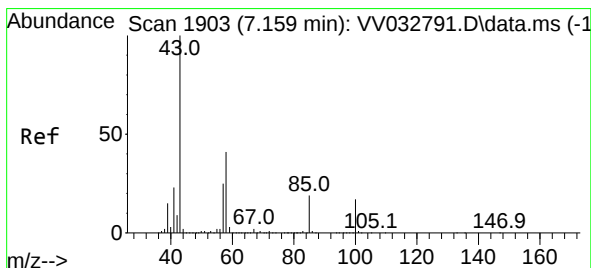
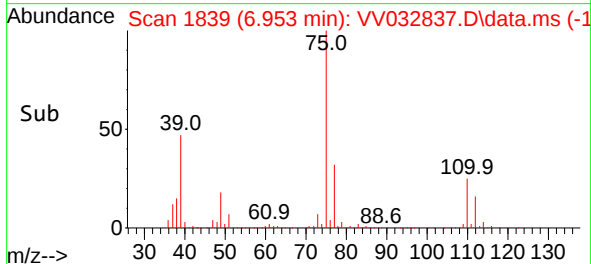
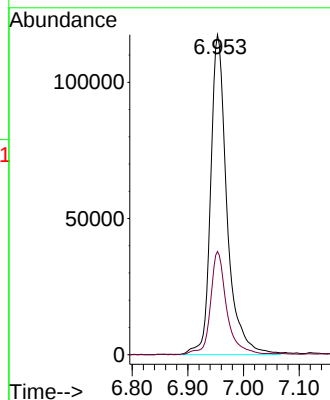
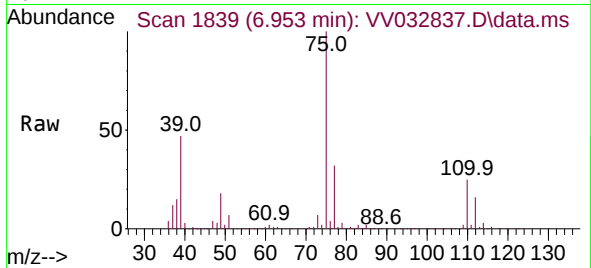
ClientSampleId :

Tgt Ion: 75 Resp: 239944

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 94.693 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

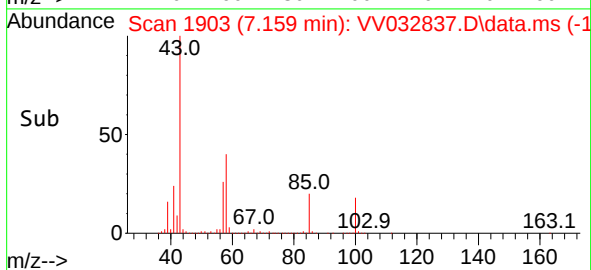
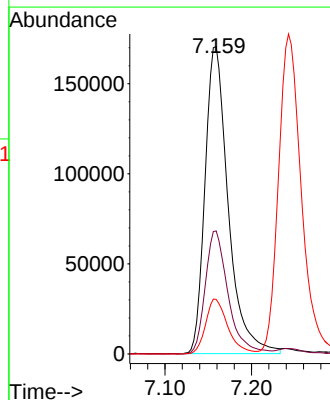
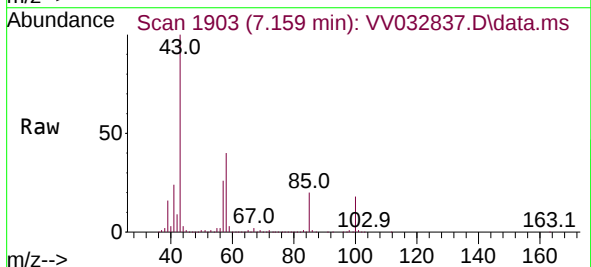
Tgt Ion: 43 Resp: 318305

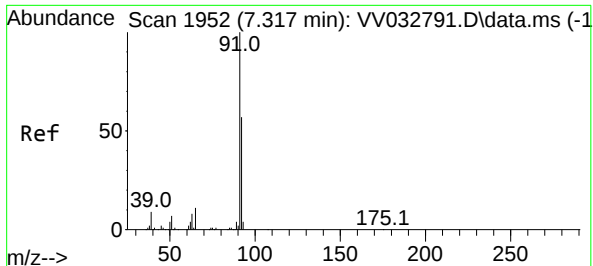
Ion Ratio Lower Upper

43 100

58 39.5 31.4 47.0

100 17.1 13.3 19.9





#42

Toluene

Concen: 53.037 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Instrument :

MSVOA_V

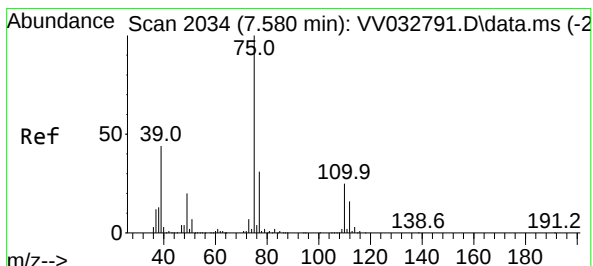
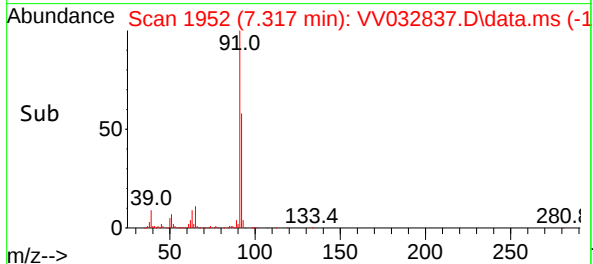
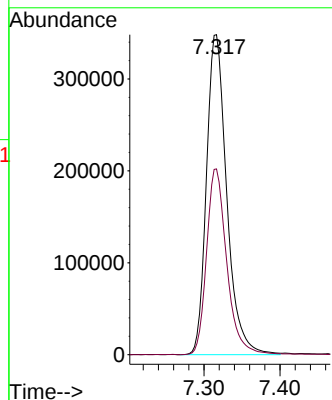
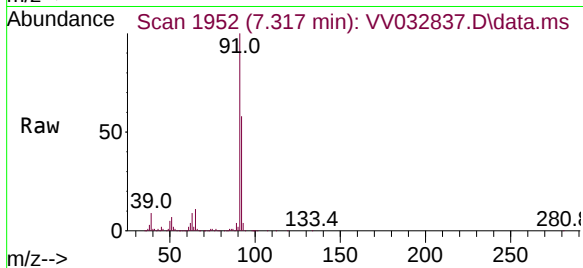
ClientSampleId :

Tgt Ion: 91 Resp: 645397

Ion Ratio Lower Upper

91 100

92 58.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 51.833 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV032837.D

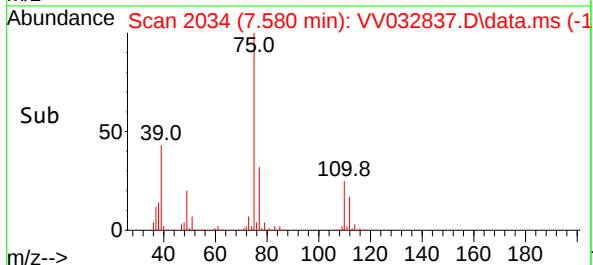
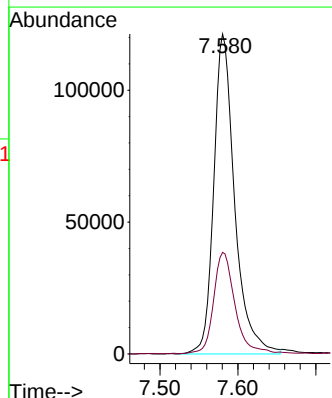
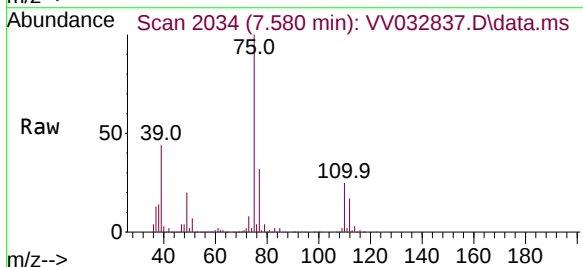
Acq: 03 Nov 2023 09:00

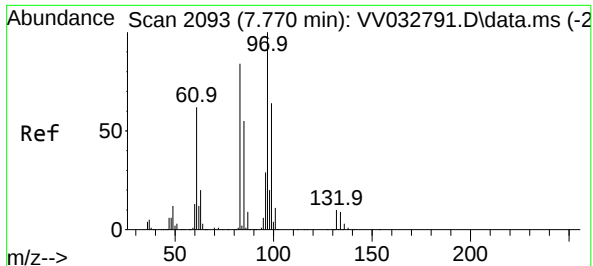
Tgt Ion: 75 Resp: 226545

Ion Ratio Lower Upper

75 100

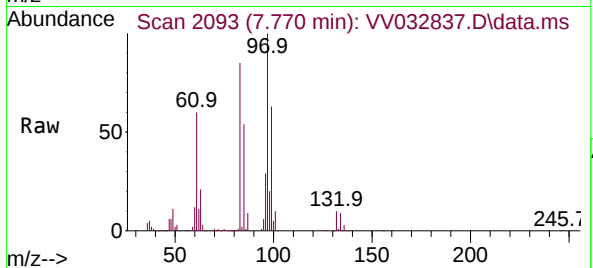
77 31.7 22.0 40.8



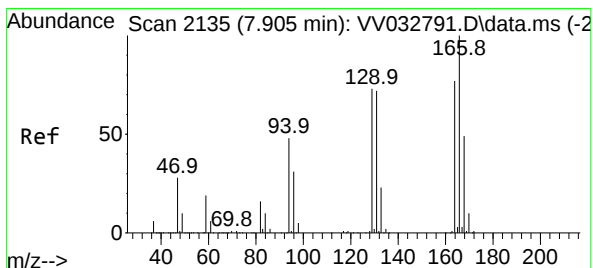
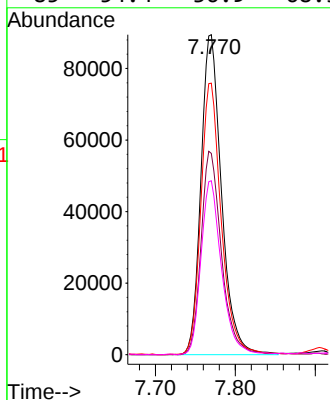
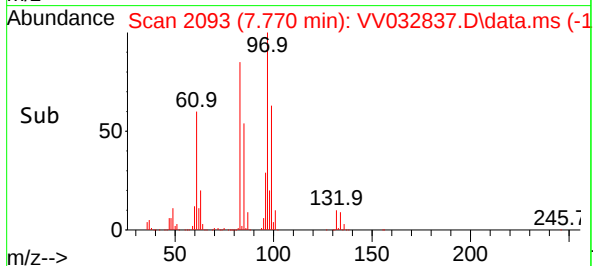


#45
1,1,2-Trichloroethane
Concen: 49.345 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Instrument :
MSVOA_V
ClientSampleId :

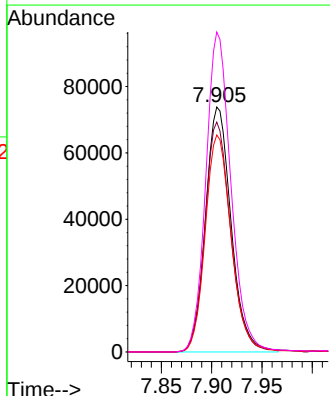
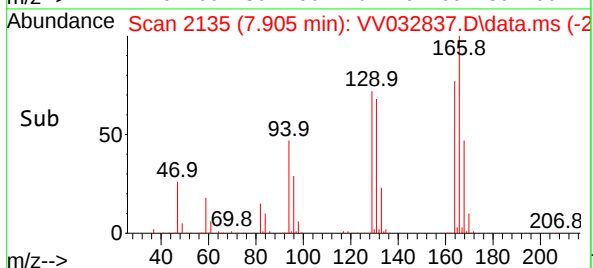
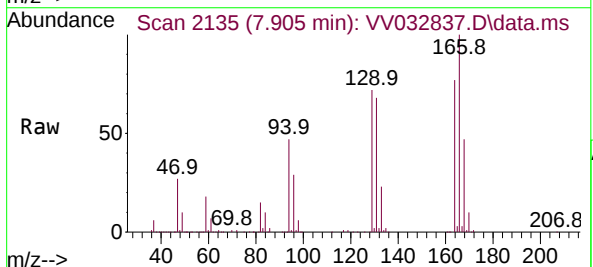


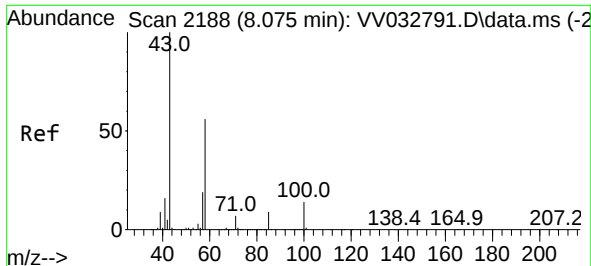
Tgt Ion:	97	Resp:	160539
Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.8	79.6
83	84.8	58.4	108.4
85	54.4	36.9	68.5



#46
Tetrachloroethene
Concen: 48.818 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion:	164	Resp:	131020
Ion	Ratio	Lower	Upper
164	100		
129	93.9	65.3	121.3
131	88.6	65.0	120.8
166	130.7	87.8	163.2

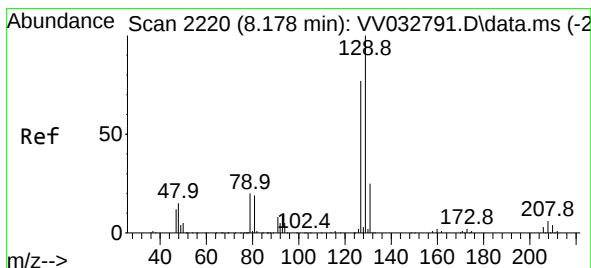
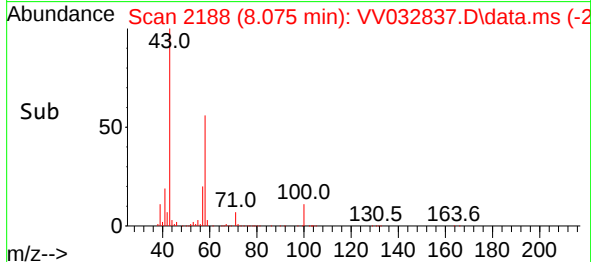
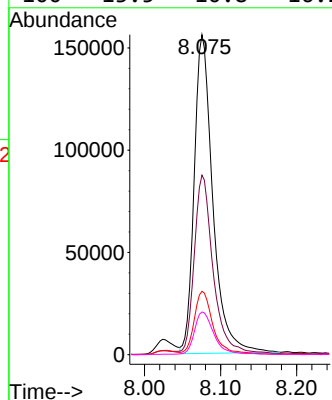
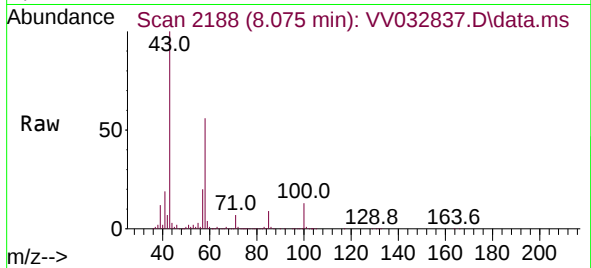




#48
2-Hexanone
Concen: 88.228 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

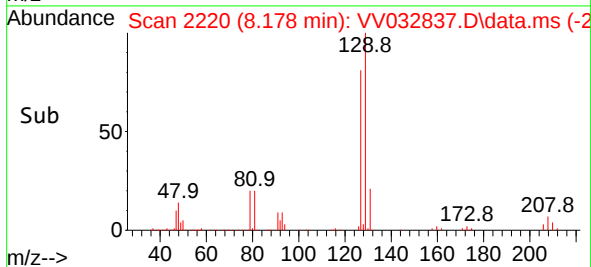
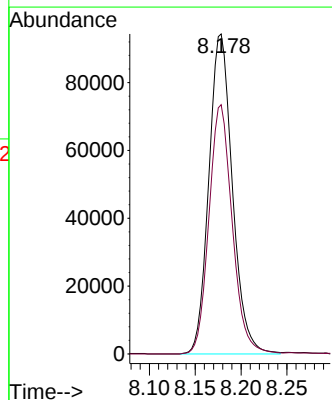
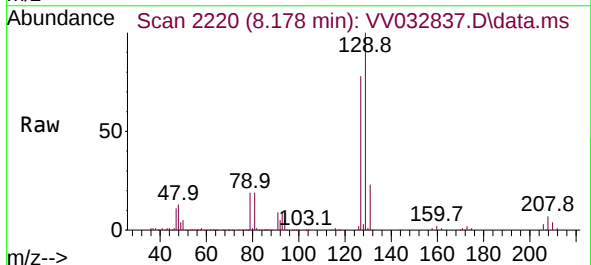
Instrument :
MSVOA_V
ClientSampleId :

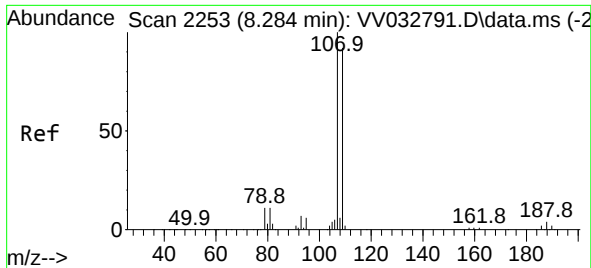
Tgt Ion: 43 Resp: 266094
Ion Ratio Lower Upper
43 100
58 56.3 43.3 64.9
57 20.3 15.5 23.3
100 13.5 10.8 16.2



#49
Dibromochloromethane
Concen: 49.615 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion: 129 Resp: 168756
Ion Ratio Lower Upper
129 100
127 77.9 54.7 101.5

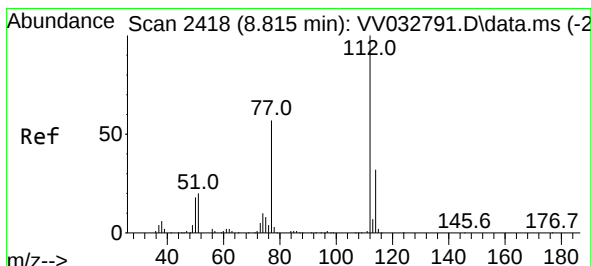
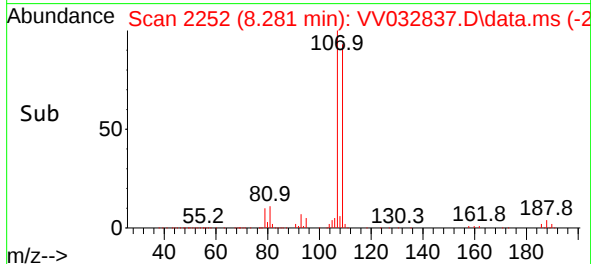
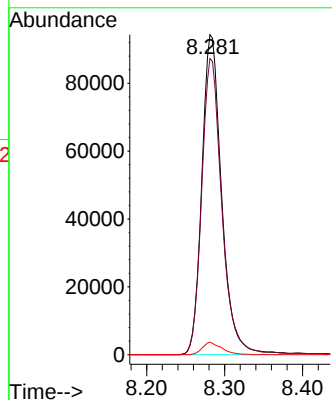
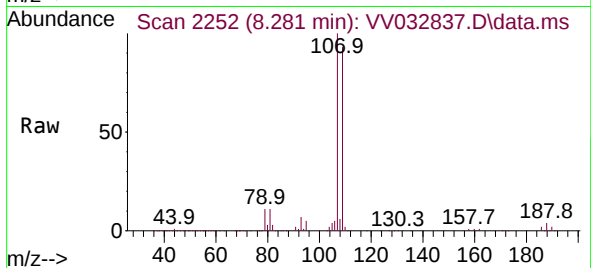




#50
1,2-Dibromoethane
Concen: 50.141 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

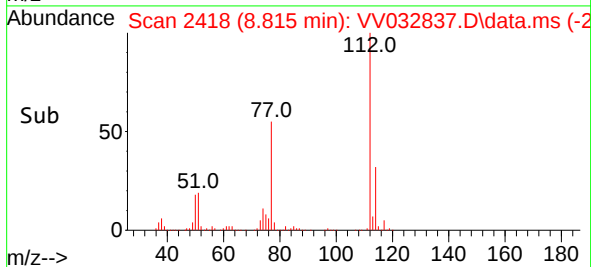
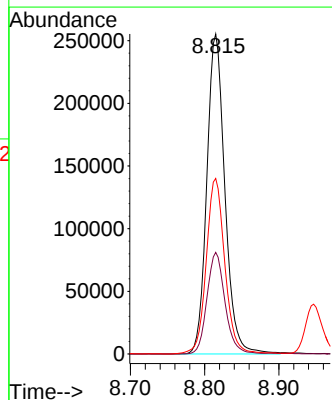
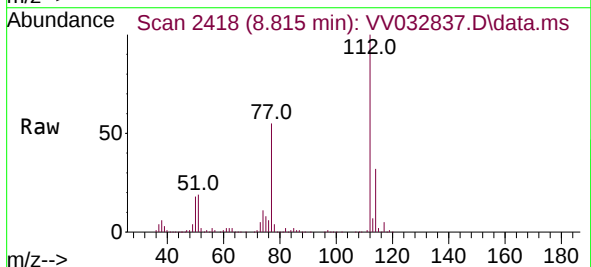
Instrument :
MSVOA_V
ClientSampleId :

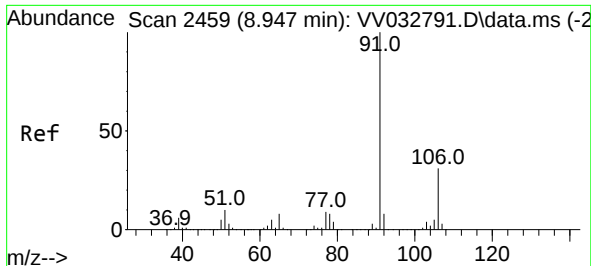
Tgt Ion:107 Resp: 166191
Ion Ratio Lower Upper
107 100
109 92.5 66.4 123.2
188 3.9 3.0 4.6



#51
Chlorobenzene
Concen: 50.071 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion:112 Resp: 431356
Ion Ratio Lower Upper
112 100
114 31.8 21.6 40.2
77 54.8 44.4 66.6

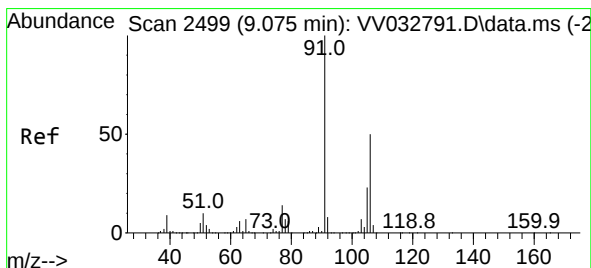
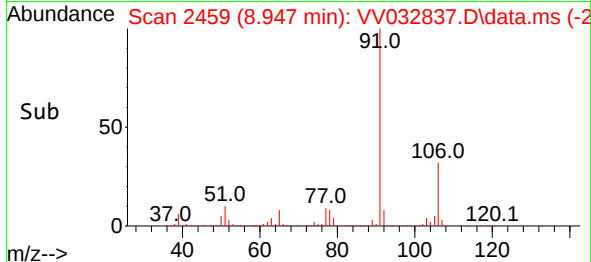
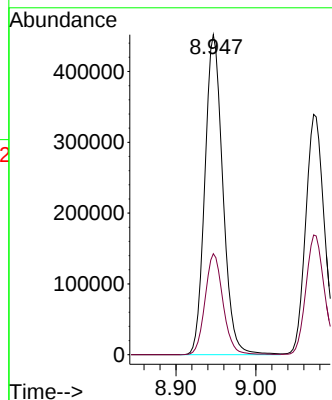
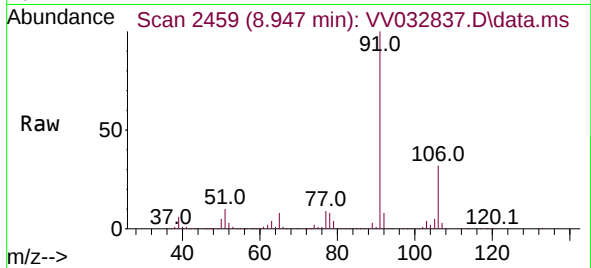




#52
Ethylbenzene
Concen: 52.776 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

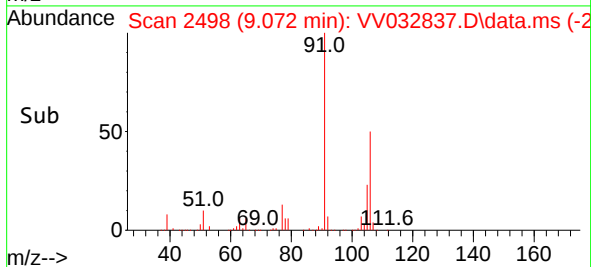
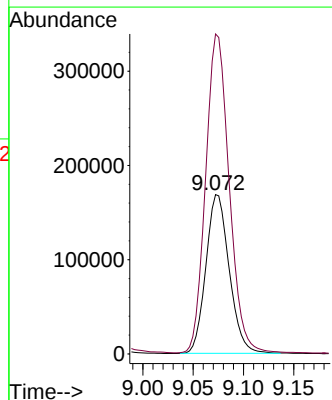
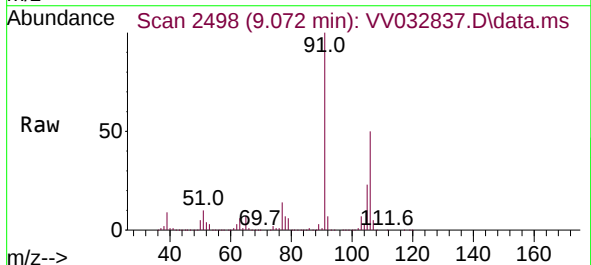
Instrument :
MSVOA_V
ClientSampleId :

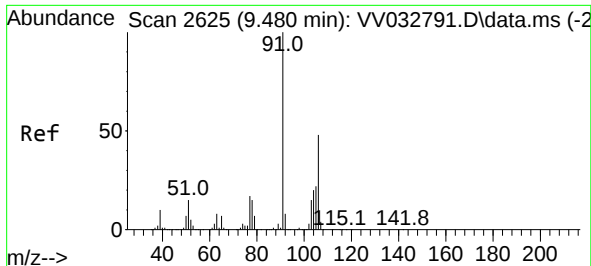
Tgt Ion: 91 Resp: 708427
Ion Ratio Lower Upper
91 100
106 31.5 21.7 40.3



#53
m,p-Xylene
Concen: 53.224 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion: 106 Resp: 271908
Ion Ratio Lower Upper
106 100
91 200.8 139.7 259.5





#54

o-Xylene

Concen: 53.248 ug/L

RT: 9.480 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Instrument :

MSVOA_V

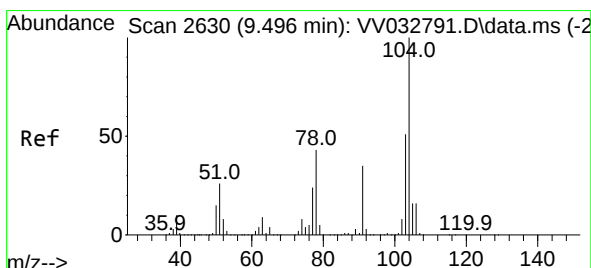
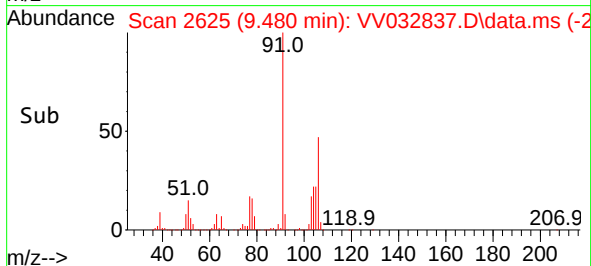
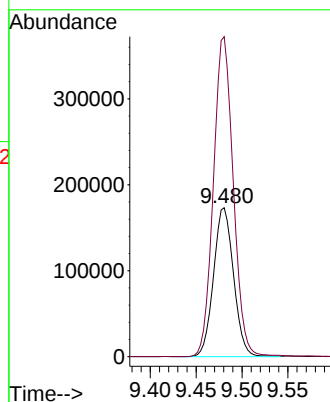
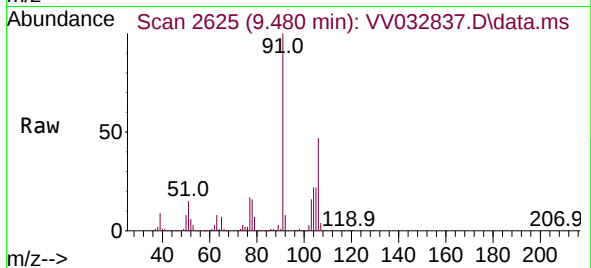
ClientSampleId :

Tgt Ion:106 Resp: 263538

Ion Ratio Lower Upper

106 100

91 214.9 151.0 280.4



#55

Styrene

Concen: 55.892 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.000 min

Lab File: VV032837.D

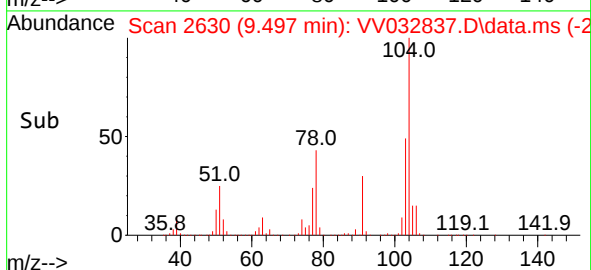
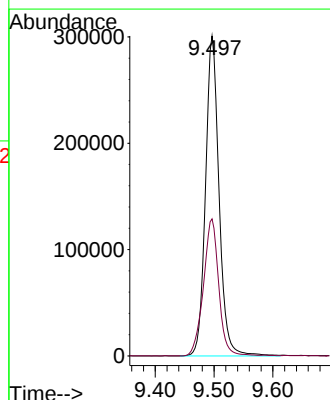
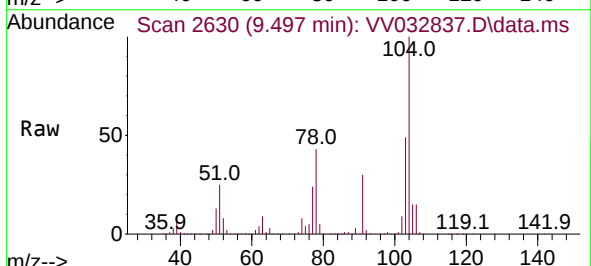
Acq: 03 Nov 2023 09:00

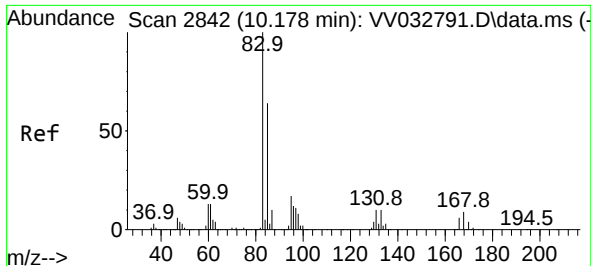
Tgt Ion:104 Resp: 482074

Ion Ratio Lower Upper

104 100

78 42.8 30.1 55.9

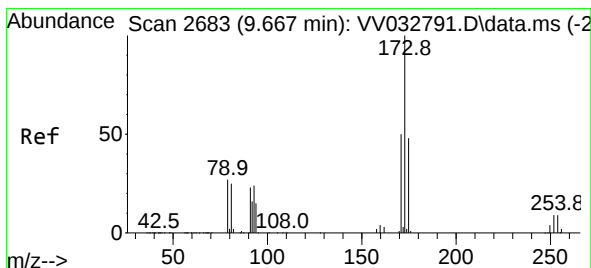
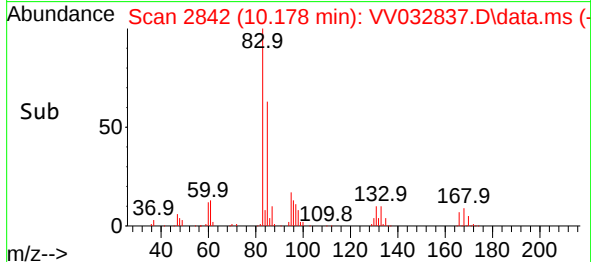
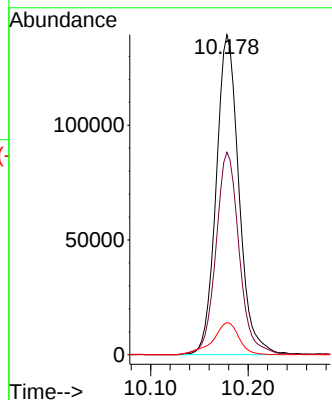
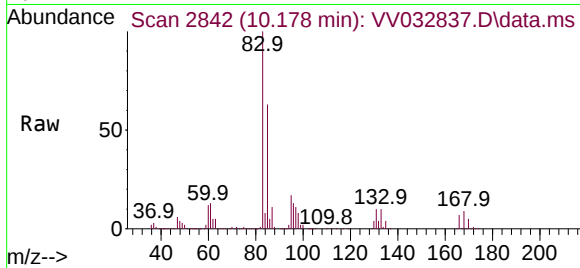




#57
1,1,2,2-Tetrachloroethane
Concen: 46.432 ug/L
RT: 10.178 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

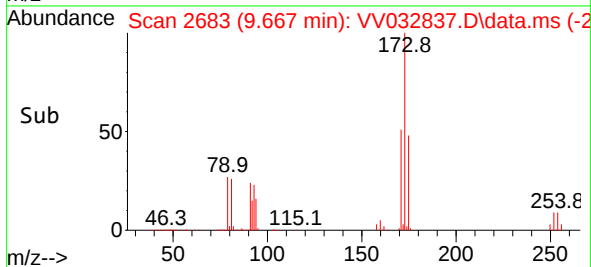
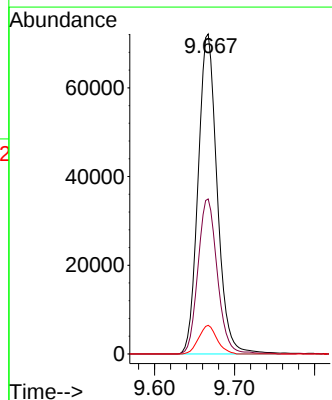
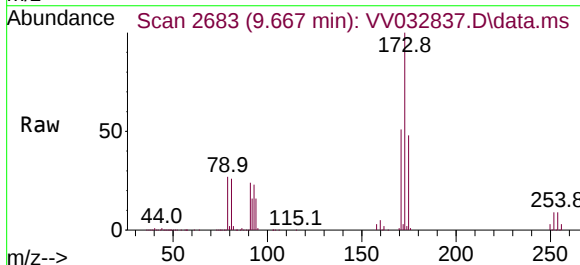
Instrument :
MSVOA_V
ClientSampleId :

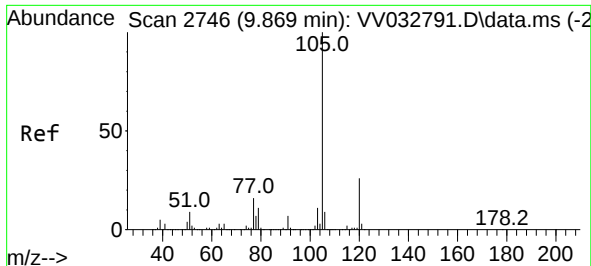
Tgt Ion: 83 Resp: 226243
Ion Ratio Lower Upper
83 100
85 63.3 44.9 83.3
131 10.0 7.8 11.6



#59
Bromoform
Concen: 47.439 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.003 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

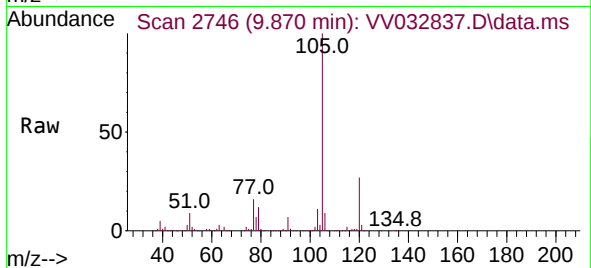
Tgt Ion: 173 Resp: 119697
Ion Ratio Lower Upper
173 100
175 49.1 38.4 57.6
254 8.6 7.0 10.6



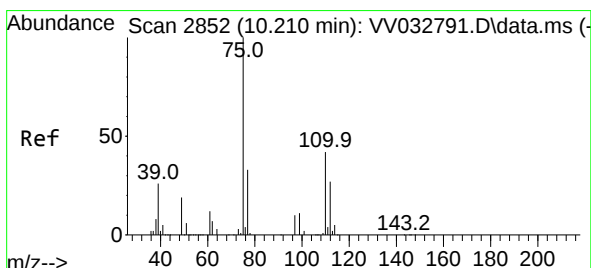
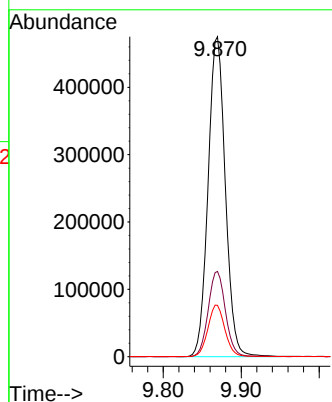
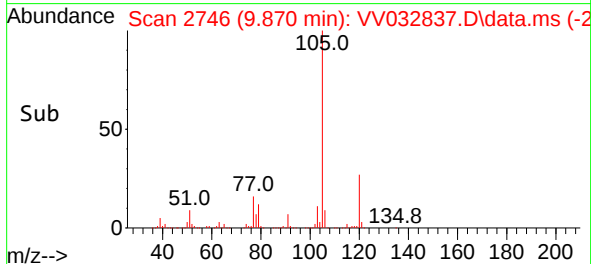


#60
Isopropylbenzene
Concen: 53.423 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

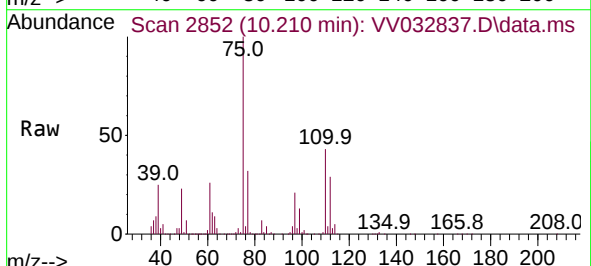
Instrument :
MSVOA_V
ClientSampleId :



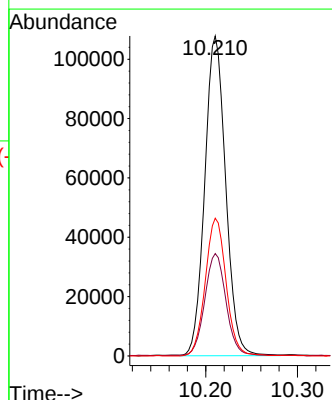
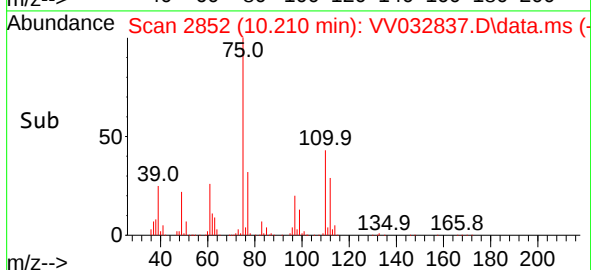
Tgt Ion:105 Resp: 729091
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 15.8 12.6 19.0

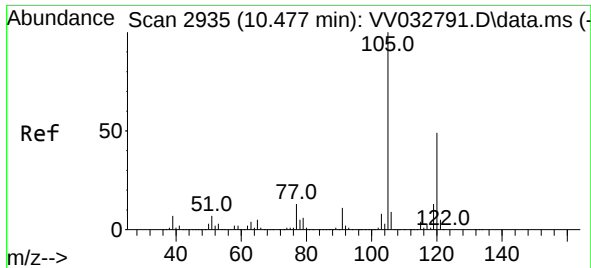


#61
1,2,3-Trichloropropane
Concen: 45.442 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00



Tgt Ion: 75 Resp: 170814
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
110 42.9 34.3 51.5

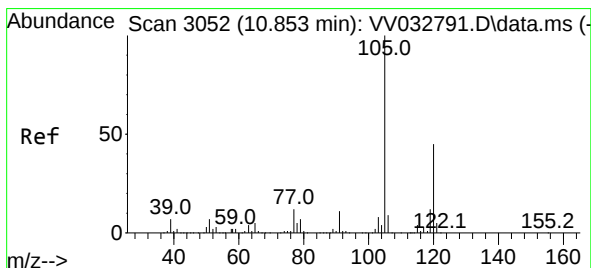
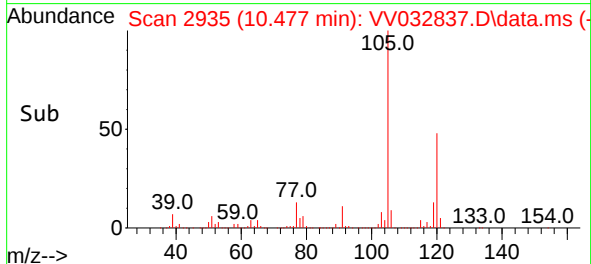
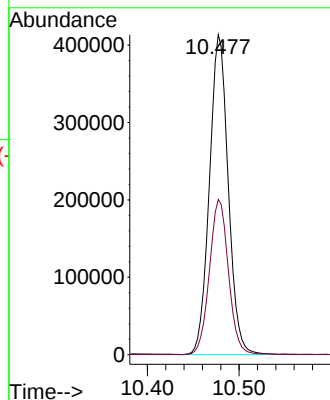
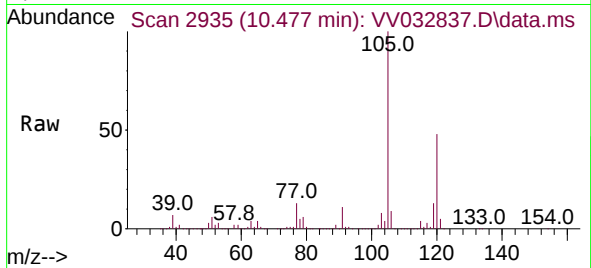




#62
 1,3,5-Trimethylbenzene
 Concen: 54.692 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VV032837.D
 Acq: 03 Nov 2023 09:00

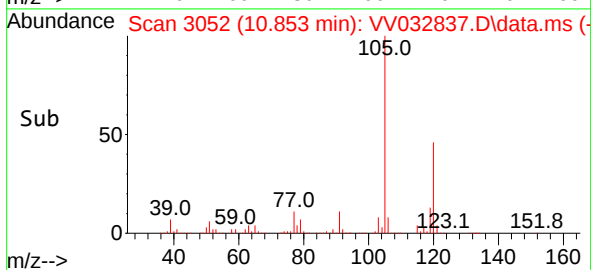
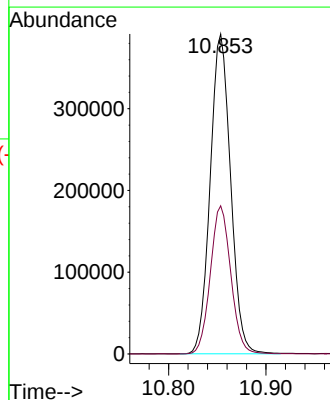
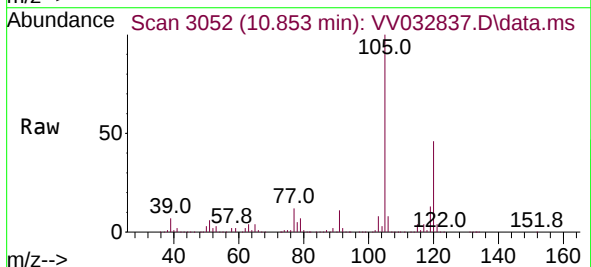
Instrument :
 MSVOA_V
 ClientSampleId :

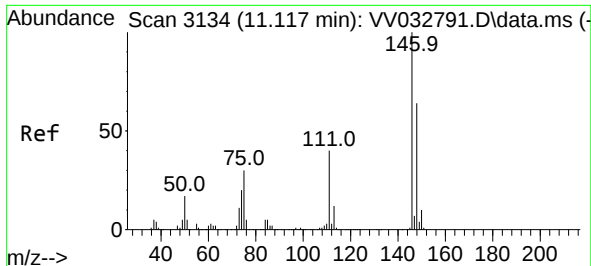
Tgt Ion:105 Resp: 587370
 Ion Ratio Lower Upper
 105 100
 120 49.1 39.9 59.9



#63
 1,2,4-Trimethylbenzene
 Concen: 55.430 ug/L
 RT: 10.853 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV032837.D
 Acq: 03 Nov 2023 09:00

Tgt Ion:105 Resp: 569445
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.0 55.6

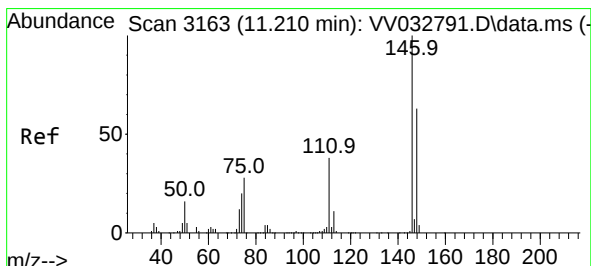
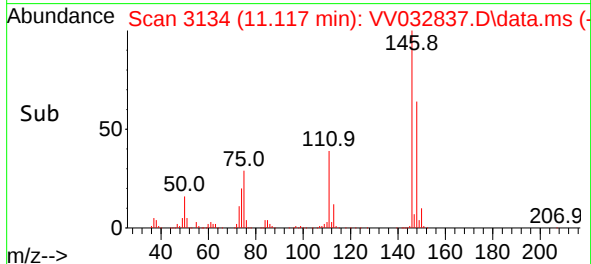
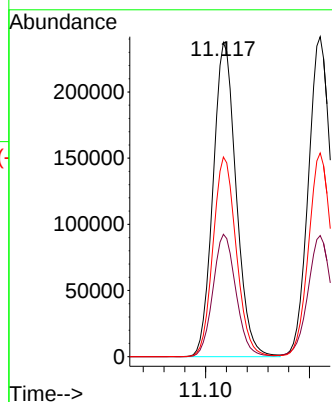
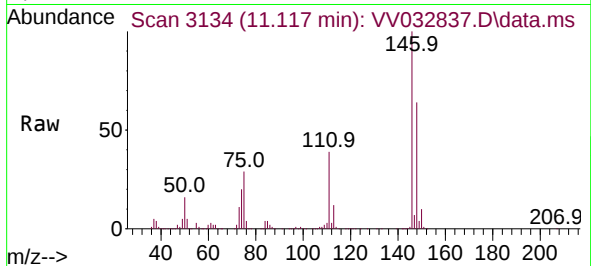




#64
1,3-Dichlorobenzene
Concen: 51.636 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

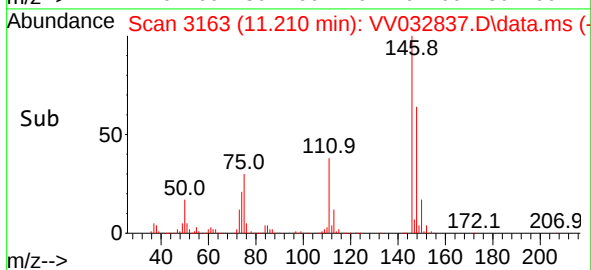
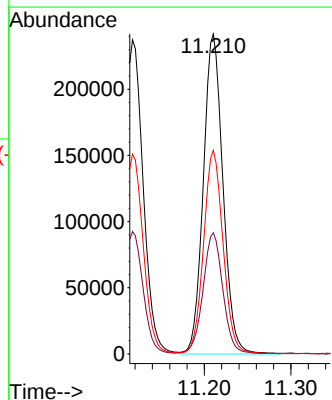
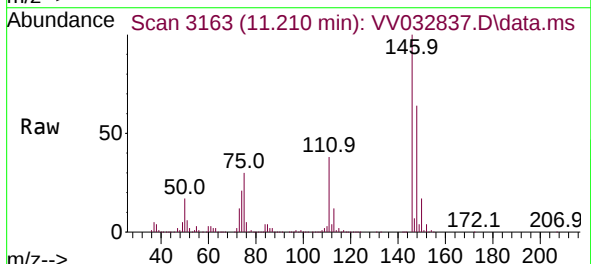
Instrument :
MSVOA_V
ClientSampleId :

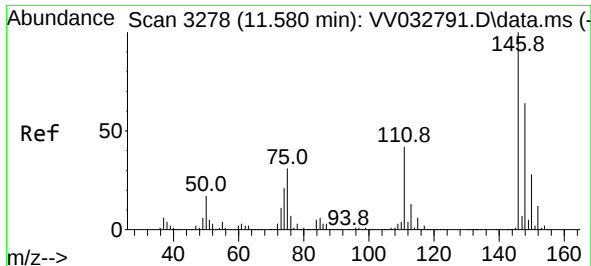
Tgt Ion:146 Resp: 367124
Ion Ratio Lower Upper
146 100
111 39.0 27.2 50.4
148 63.6 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 50.724 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion:146 Resp: 380527
Ion Ratio Lower Upper
146 100
111 37.9 26.5 49.1
148 63.7 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 50.020 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

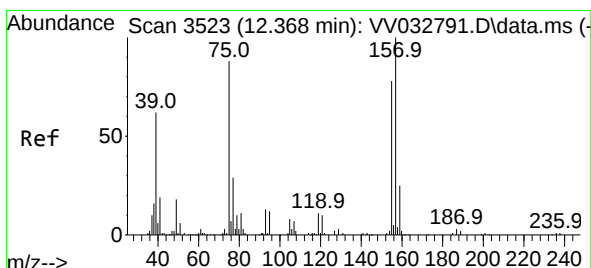
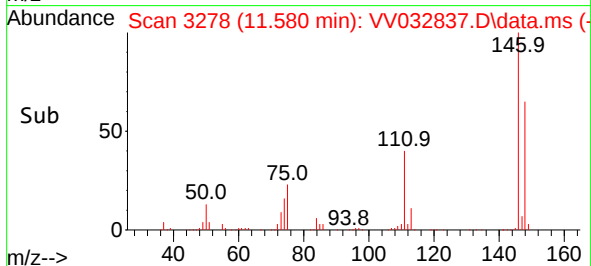
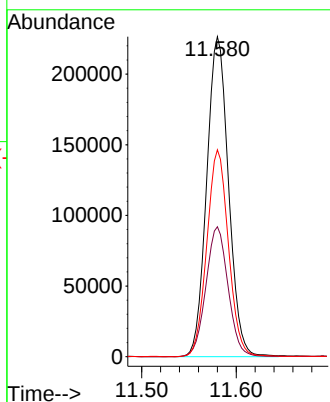
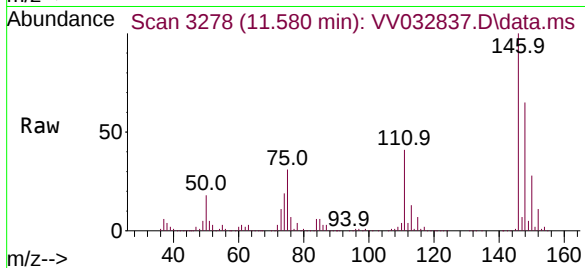
Tgt Ion:146 Resp: 363065

Ion Ratio Lower Upper

146 100

111 40.6 32.5 48.7

148 64.7 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 40.717 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

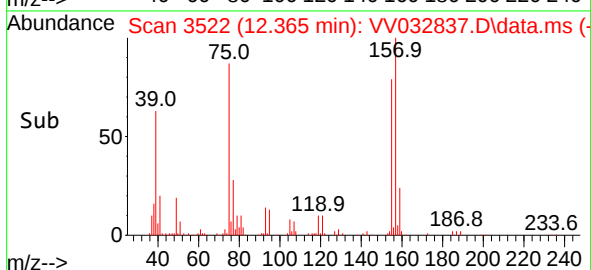
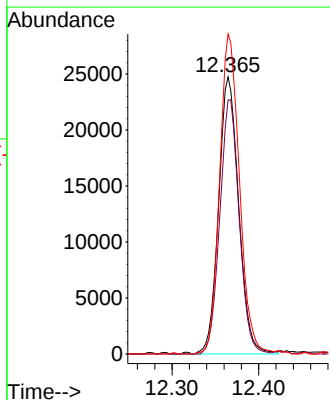
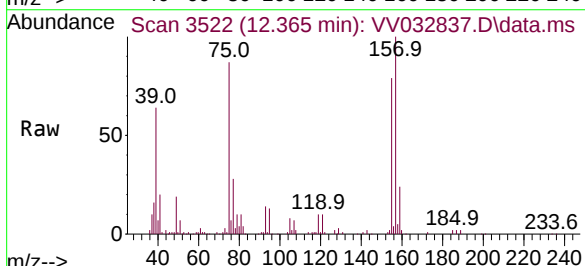
Tgt Ion: 75 Resp: 39833

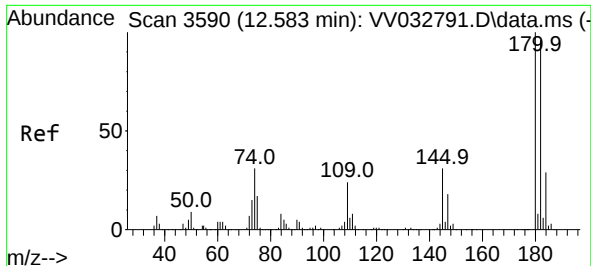
Ion Ratio Lower Upper

75 100

155 91.8 68.6 102.8

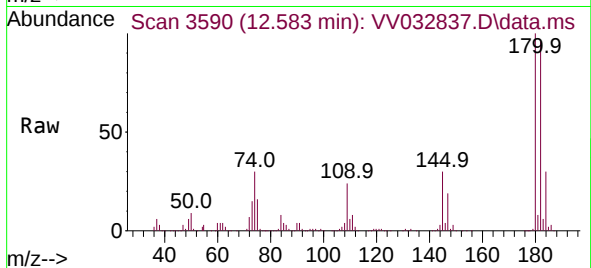
157 115.5 87.3 130.9



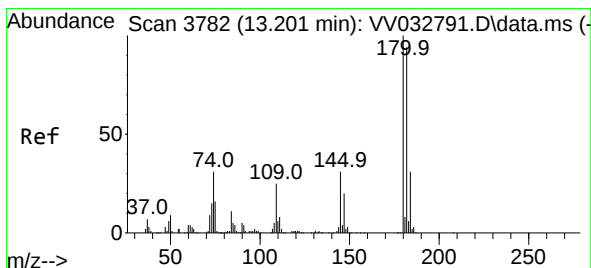
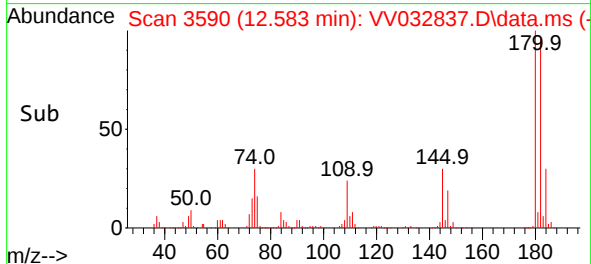
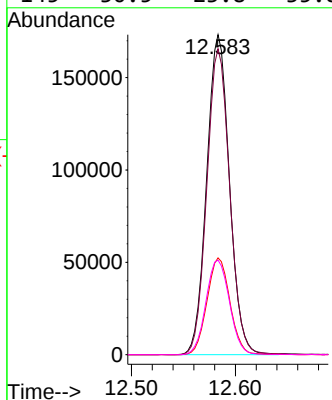


#69
1,3,5-Trichlorobenzene
Concen: 51.402 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Instrument :
MSVOA_V
ClientSampleId :

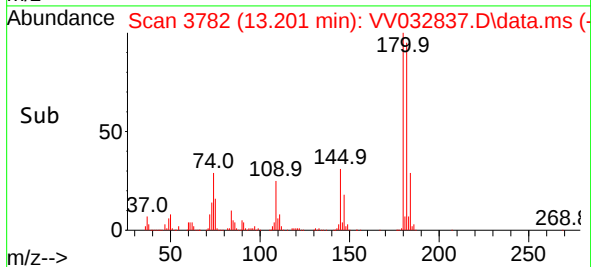
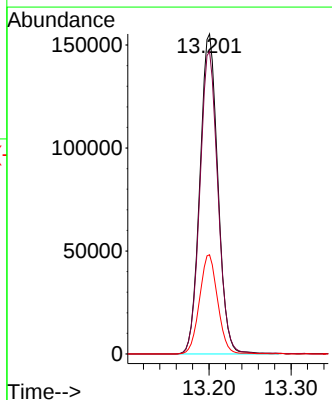
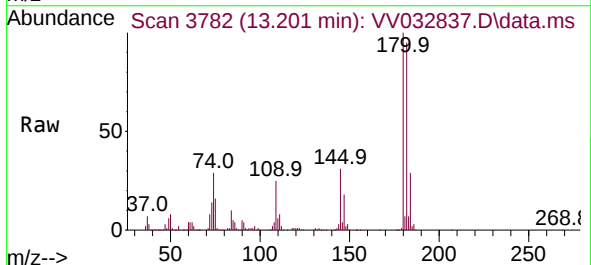


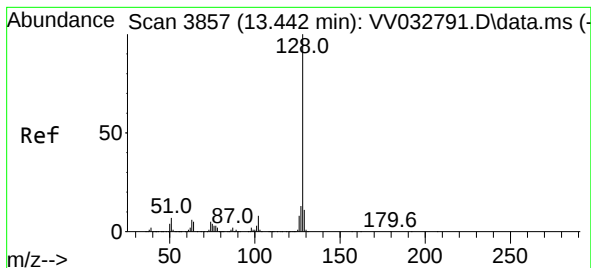
Tgt Ion:180 Resp: 263834
Ion Ratio Lower Upper
180 100
182 95.8 75.9 113.9
184 30.5 23.5 35.3
145 30.5 23.8 35.8



#70
1,2,4-trichlorobenzene
Concen: 53.232 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.000 min
Lab File: VV032837.D
Acq: 03 Nov 2023 09:00

Tgt Ion:180 Resp: 236292
Ion Ratio Lower Upper
180 100
182 95.0 76.9 115.3
145 31.2 24.7 37.1





#71

Naphthalene

Concen: 52.943 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.003 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

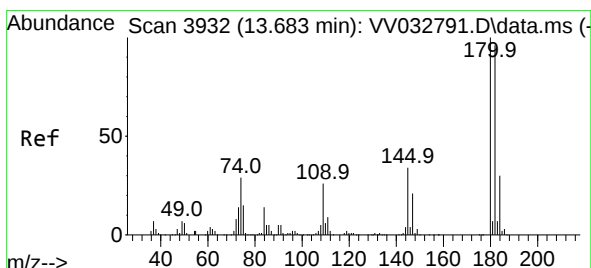
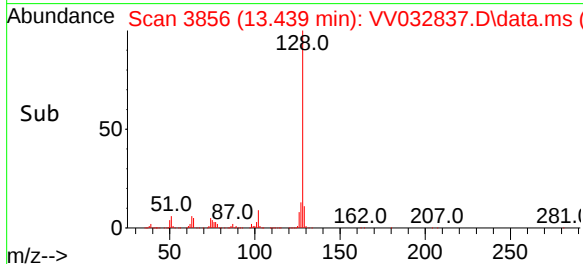
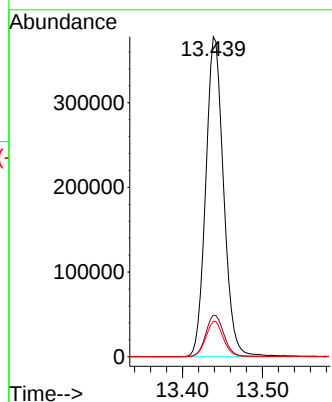
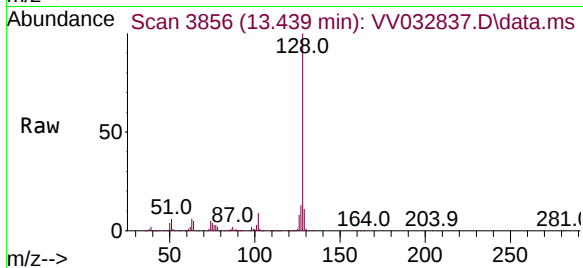
Tgt Ion:128 Resp: 586867

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 53.992 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032837.D

Acq: 03 Nov 2023 09:00

Tgt Ion:180 Resp: 239288

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.4

145 32.8 25.8 38.8

