

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111723\
 Data File : VW032999.D
 Acq On : 17 Nov 2023 10:48
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 17 22:39:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 00:51:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	273842	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	264793	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	134223	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	109516	4.698	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.000%
7) Chloroethane-d5	1.532	69	81048	3.627	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.600%
11) 1,1-Dichloroethene-d2	2.060	65	39924	3.885	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.600%
20) 2-Butanone-d5	3.796	46	144384	46.495	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.980%
24) Chloroform-d	4.246	84	184143	4.595	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	4.944	65	75852	4.287	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
32) Benzene-d6	4.957	84	368123	5.288	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.800%
36) 1,2-Dichloropropane-d6	5.989	67	106804	5.405	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.000%
41) Toluene-d8	7.243	98	333011	5.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
43) trans-1,3-Dichloroprop...	7.555	79	35504	4.609	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.024	63	130662	49.610	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.220%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	64372	4.416	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	108574	4.649	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	134960	4.507	ug/L	99
3) Chloromethane	1.214	50	150652	5.058	ug/L	99
5) Vinyl chloride	1.282	62	138503	4.897	ug/L	99
6) Bromomethane	1.487	94	72491	3.596	ug/L	98
8) Chloroethane	1.548	64	78651	3.706	ug/L	98
9) Trichlorofluoromethane	1.712	101	167873	3.825	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	92507	3.718	ug/L	97
12) 1,1-Dichloroethene	2.069	96	89836	3.887	ug/L	96
13) Acetone	2.124	43	96002	33.286	ug/L	98
14) Carbon disulfide	2.240	76	332677	4.981	ug/L	100
15) Methyl Acetate	2.381	43	31876	4.982	ug/L	94
16) Methylene chloride	2.446	84	141112	5.156	ug/L	94
17) Methyl tert-butyl Ether	2.703	73	188810	4.894	ug/L	96
18) trans-1,2-Dichloroethene	2.693	96	108450	4.935	ug/L	95
19) 1,1-Dichloroethane	3.111	63	199532	5.126	ug/L	98
21) 2-Butanone	3.876	43	148765	42.524	ug/L	95
22) cis-1,2-Dichloroethene	3.815	96	109701	4.881	ug/L	92
23) Bromochloromethane	4.150	128	45156	4.379	ug/L	90
25) Chloroform	4.275	83	202917	4.725	ug/L	99

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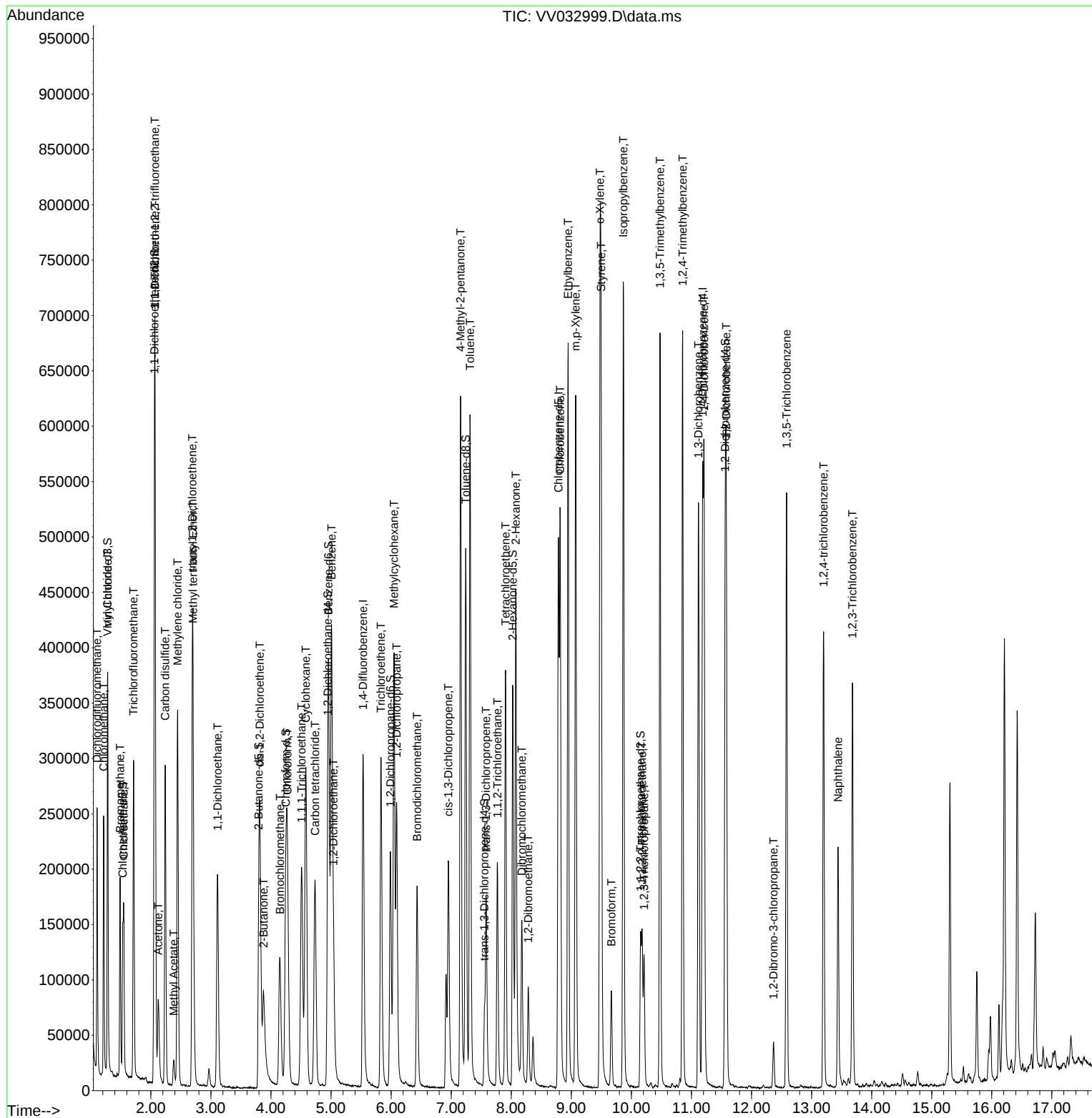
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	97304	4.259	ug/L	99
29) 1,1,1-Trichloroethane	4.510	97	170183	4.655	ug/L	99
30) Cyclohexane	4.580	56	157606	6.182	ug/L	92
31) Carbon tetrachloride	4.735	117	147007	4.643	ug/L	99
33) Benzene	5.008	78	431678	5.523	ug/L	100
34) Trichloroethene	5.831	95	110631	5.144	ug/L	98
35) Methylcyclohexane	6.050	83	157808	5.539	ug/L	96
37) 1,2-Dichloropropane	6.092	63	104127	5.359	ug/L	99
38) Bromodichloromethane	6.432	83	127446	4.753	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	130768	4.906	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	425590	55.508	ug/L	98
42) Toluene	7.313	91	444962	5.234	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	105302	4.913	ug/L	97
45) 1,1,2-Trichloroethane	7.770	97	66721	4.770	ug/L	96
47) Tetrachloroethene	7.905	164	87583	4.835	ug/L	98
48) 2-Hexanone	8.075	43	296064	52.296	ug/L	98
49) Dibromochloromethane	8.175	129	75543	4.504	ug/L	95
50) 1,2-Dibromoethane	8.284	107	60906	4.553	ug/L	94
51) Chlorobenzene	8.815	112	277443	4.860	ug/L	97
52) Ethylbenzene	8.947	91	467090	5.287	ug/L	100
53) m,p-Xylene	9.072	106	179610	5.259	ug/L	95
54) o-Xylene	9.477	106	169485	5.193	ug/L	92
55) Styrene	9.497	104	287836	5.128	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	67502	4.327	ug/L	99
59) Bromoform	9.667	173	39317	4.643	ug/L #	99
60) Isopropylbenzene	9.866	105	463978	5.580	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	45887	4.681	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	360129	5.526	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	363212	5.530	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	218686	4.953	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	220284	4.887	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	192462	4.881	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	9665	4.113	ug/L	89
69) 1,3,5-Trichlorobenzene	12.583	180	163301	4.981	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	126234	4.748	ug/L	98
71) Naphthalene	13.442	128	164729	4.451	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	106955	4.620	ug/L	99

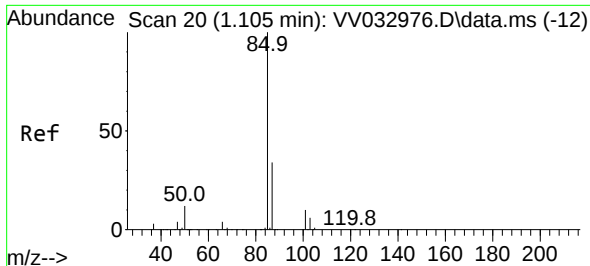
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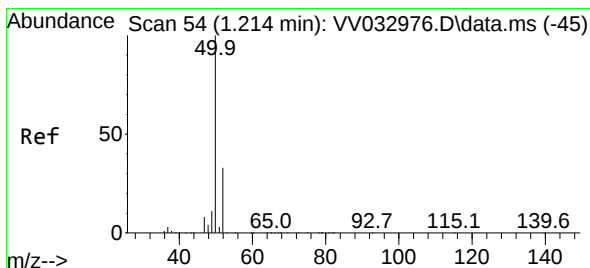
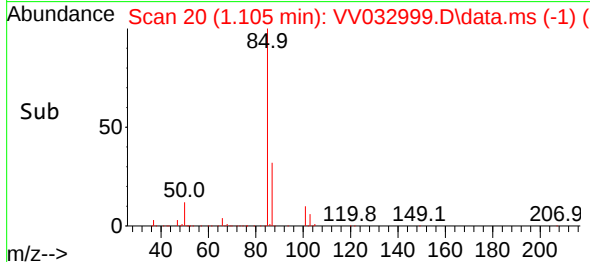
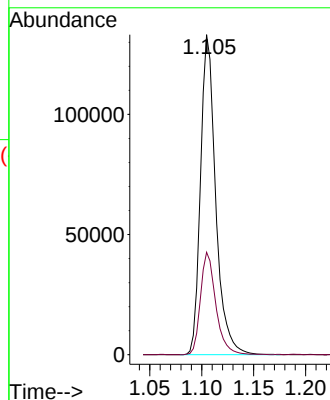
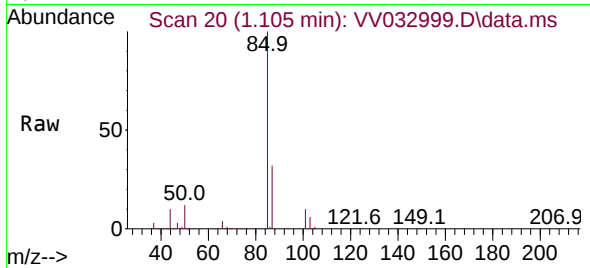




#2
Dichlorodifluoromethane
Concen: 4.507 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

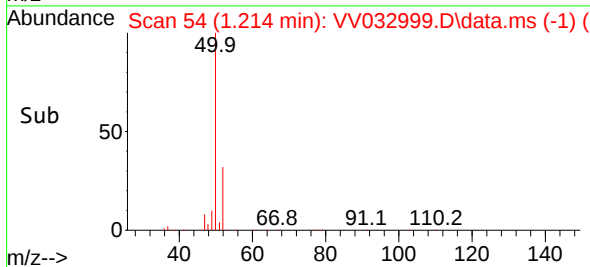
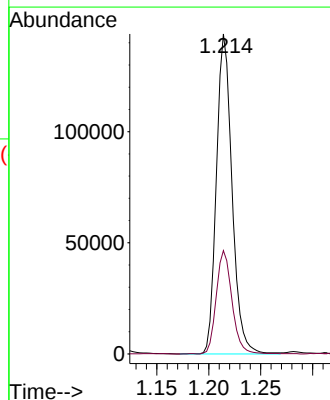
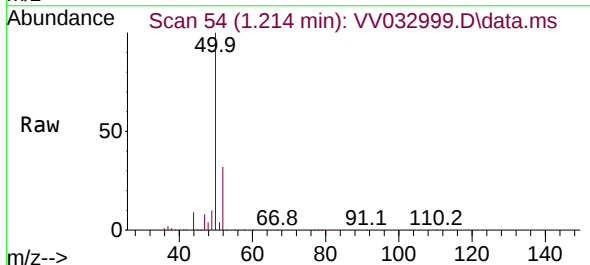
Instrument :
MSVOA_V
ClientSampleId :

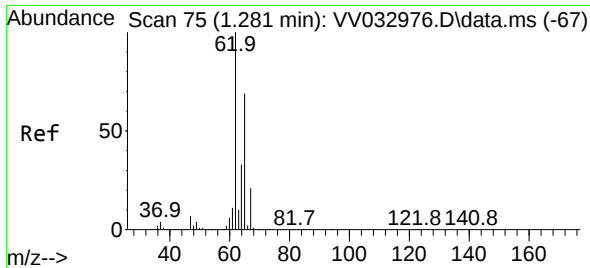
Tgt Ion: 85 Resp: 134960
Ion Ratio Lower Upper
85 100
87 32.4 25.4 38.2



#3
Chloromethane
Concen: 5.058 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion: 50 Resp: 150652
Ion Ratio Lower Upper
50 100
52 32.3 22.3 41.3

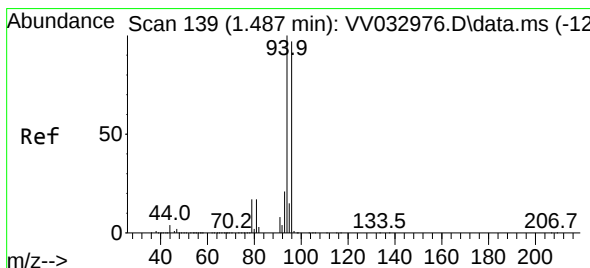
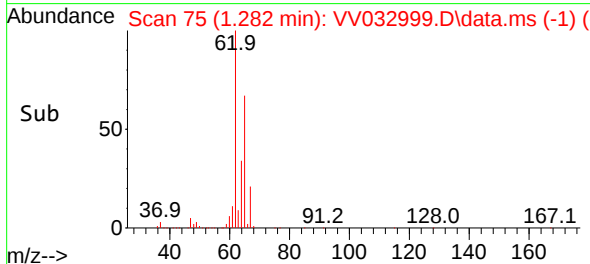
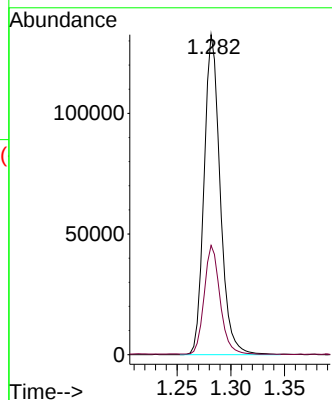
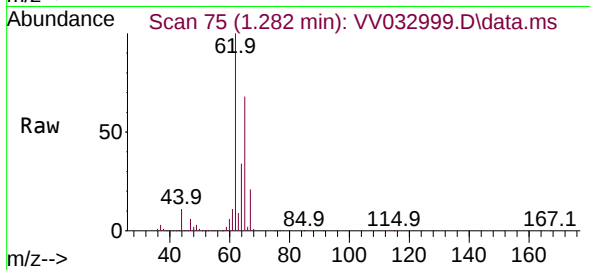




#5
 Vinyl chloride
 Concen: 4.897 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032999.D
 Acq: 17 Nov 2023 10:48

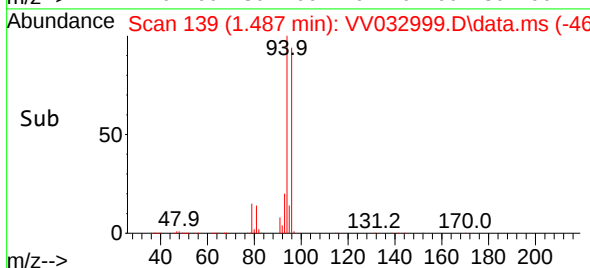
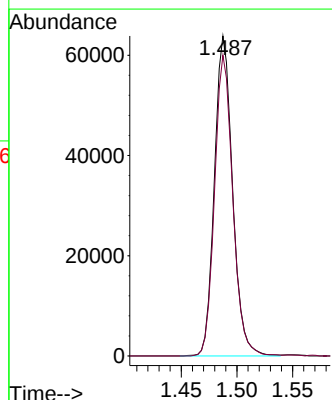
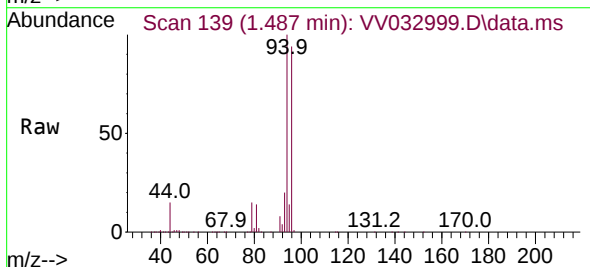
Instrument :
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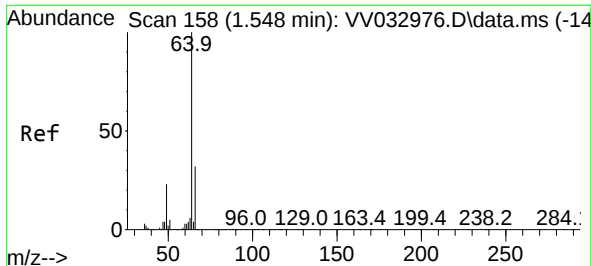
Tgt Ion: 62 Resp: 138503
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.7 43.9



#6
 Bromomethane
 Concen: 3.596 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV032999.D
 Acq: 17 Nov 2023 10:48

Tgt Ion: 94 Resp: 72491
 Ion Ratio Lower Upper
 94 100
 96 93.9 64.3 119.3

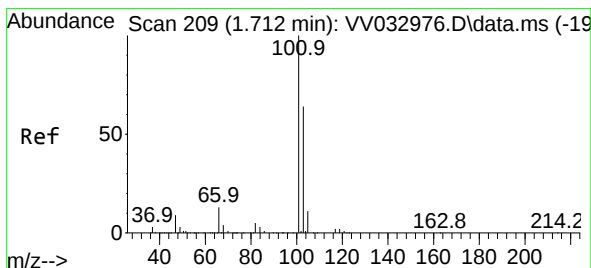
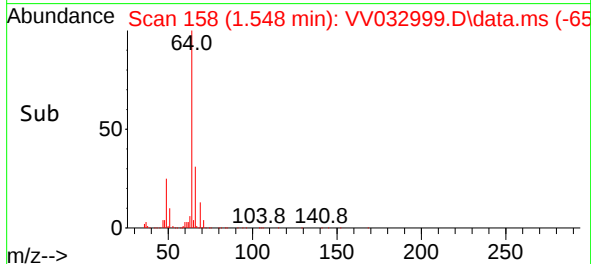
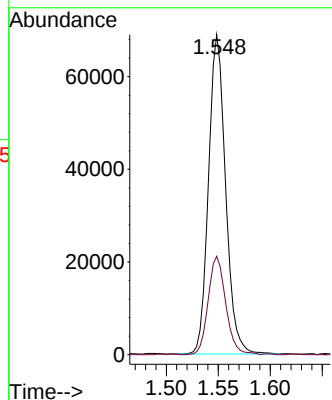
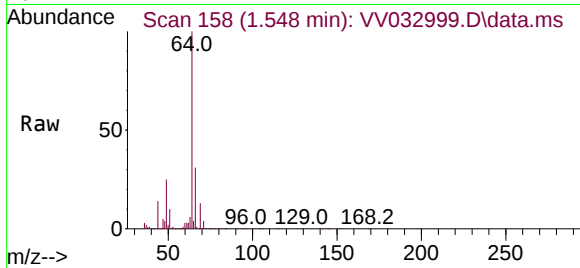




#8
Chloroethane
Concen: 3.706 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

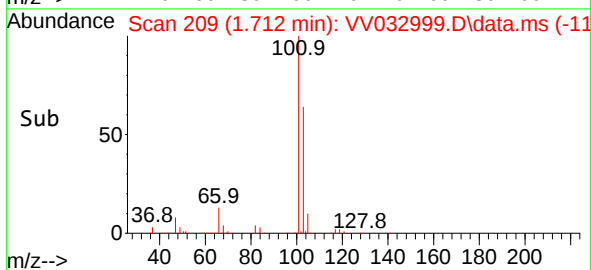
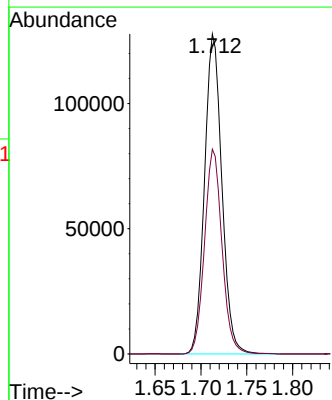
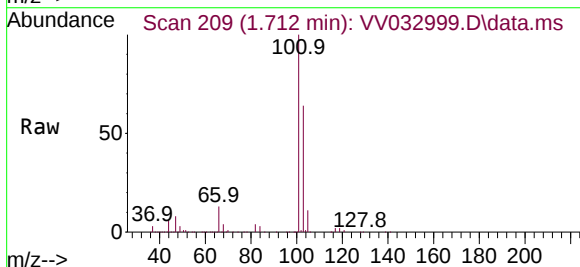
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ClientSampleId :

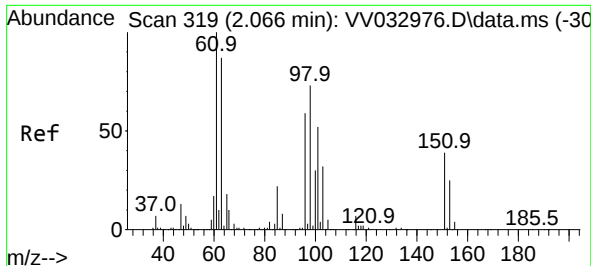
Tgt Ion: 64 Resp: 78651
Ion Ratio Lower Upper
64 100
66 30.8 22.3 41.5



#9
Trichlorofluoromethane
Concen: 3.825 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion: 101 Resp: 167873
Ion Ratio Lower Upper
101 100
103 64.5 53.0 79.4

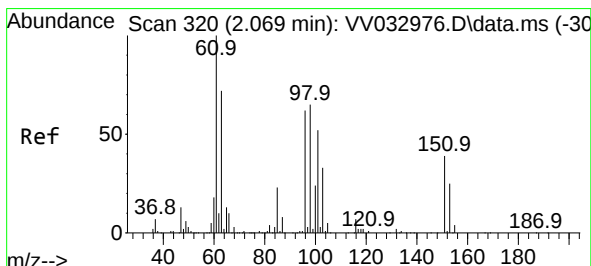
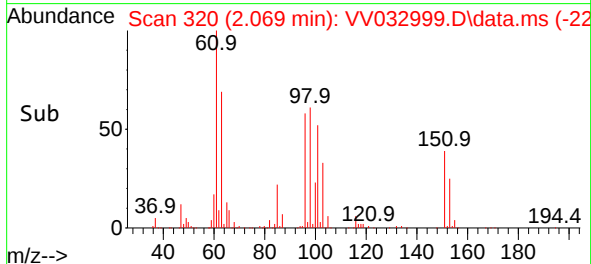
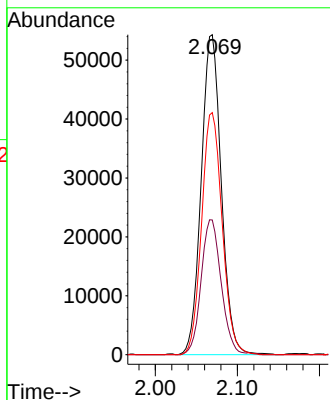
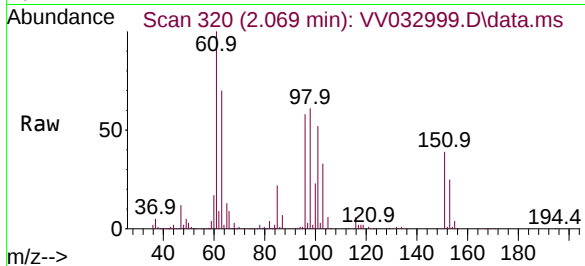




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.718 ug/L
RT: 2.069 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

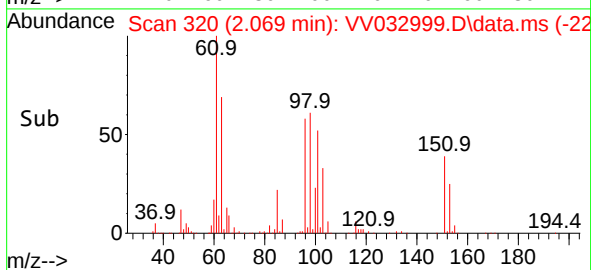
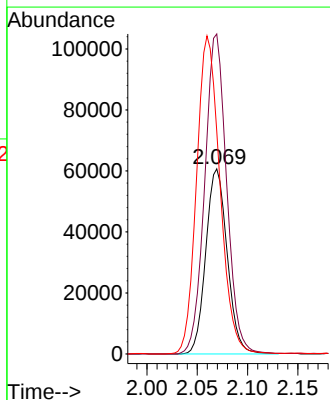
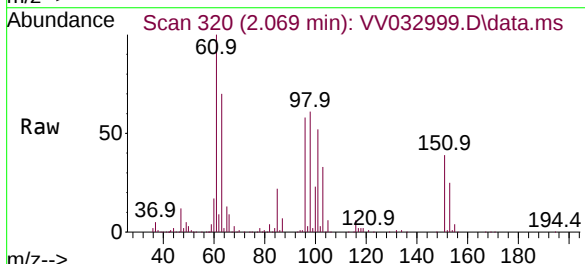
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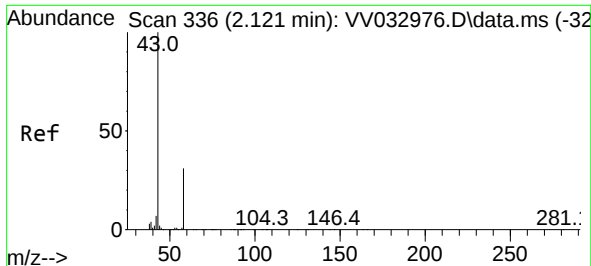
Tgt Ion:101 Resp: 92507
Ion Ratio Lower Upper
101 100
85 42.1 35.5 53.3
151 77.4 59.5 89.3



#12
1,1-Dichloroethene
Concen: 3.887 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion: 96 Resp: 89836
Ion Ratio Lower Upper
96 100
61 172.9 119.8 222.6
63 120.3 90.5 168.1





#13

Acetone

Concen: 33.286 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

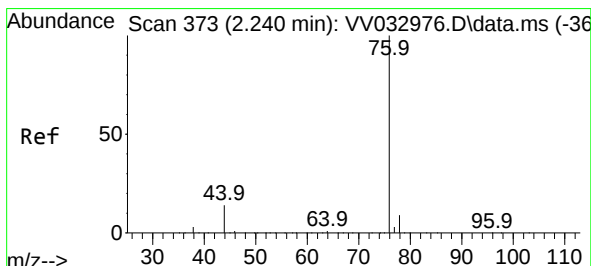
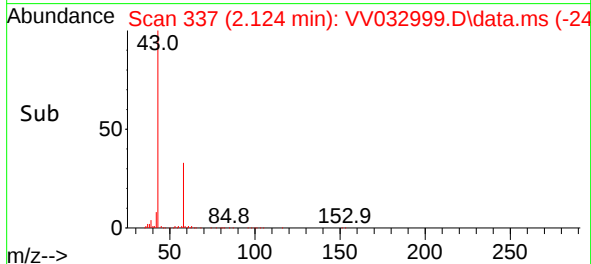
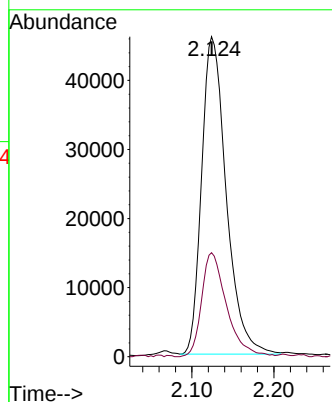
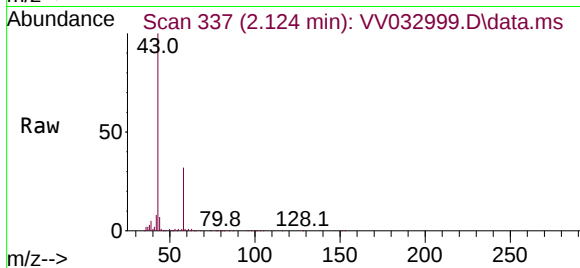
ClientSampleId :

Tgt Ion: 43 Resp: 96002

Ion Ratio Lower Upper

43 100

58 33.2 0.0 63.6



#14

Carbon disulfide

Concen: 4.981 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032999.D

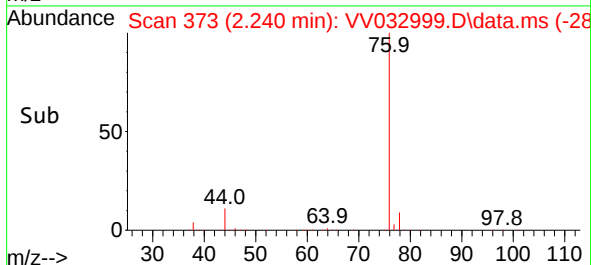
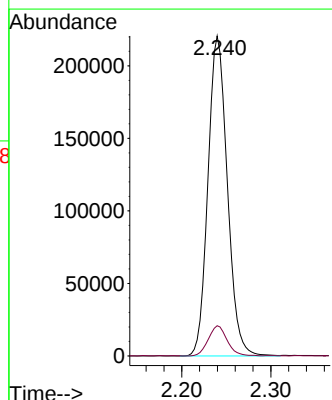
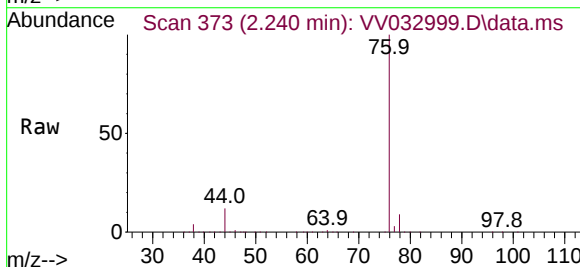
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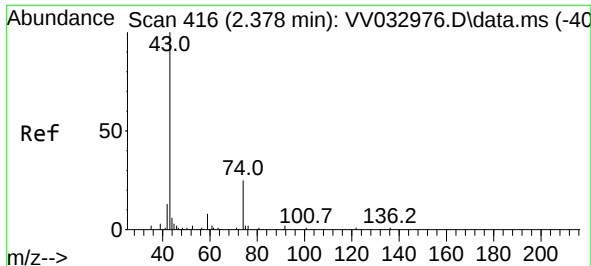
Tgt Ion: 76 Resp: 332677

Ion Ratio Lower Upper

76 100

78 9.5 7.7 11.5

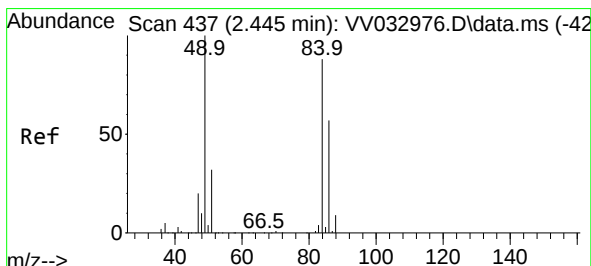
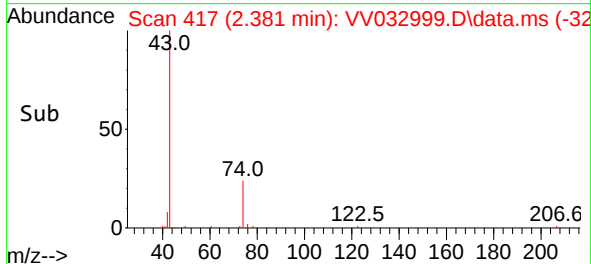
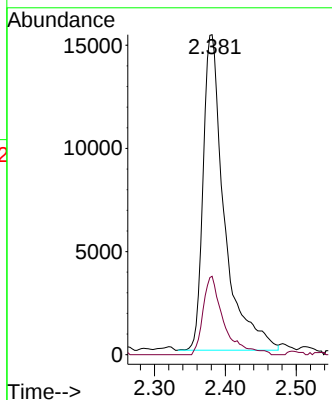
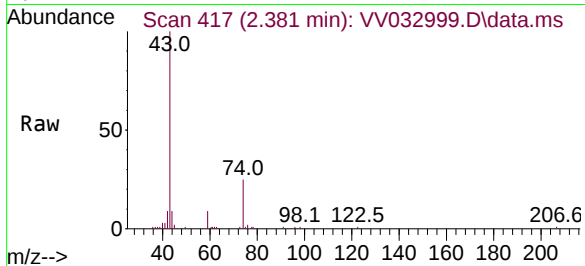




#15
Methyl Acetate
Concen: 4.982 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

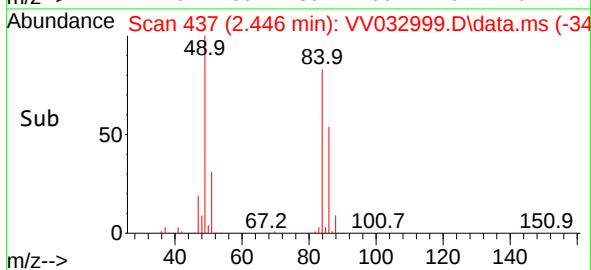
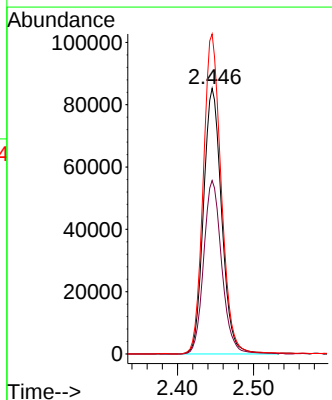
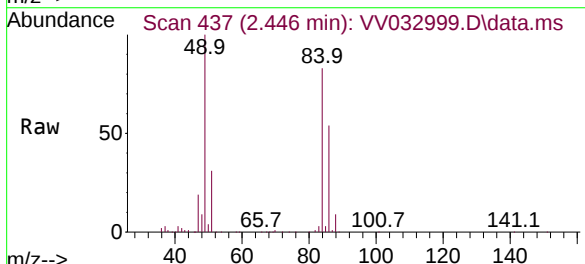
Instrument :
MSVOA_V
ClientSampleId :

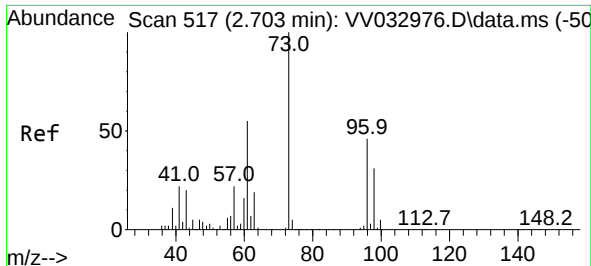
Tgt Ion: 43 Resp: 31876
Ion Ratio Lower Upper
43 100
74 24.1 16.9 25.3



#16
Methylene chloride
Concen: 5.156 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion: 84 Resp: 141112
Ion Ratio Lower Upper
84 100
86 65.3 44.7 83.1
49 120.5 78.3 145.5





#17

Methyl tert-butyl Ether

Concen: 4.894 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

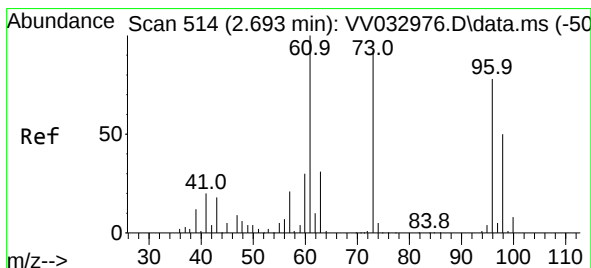
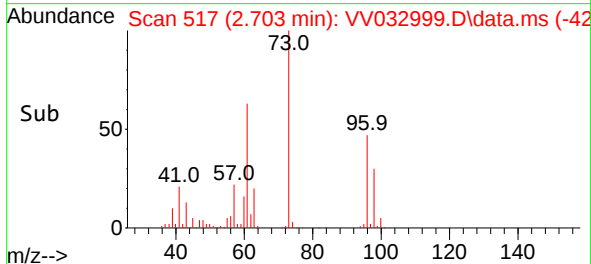
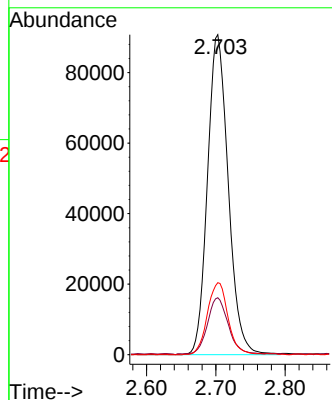
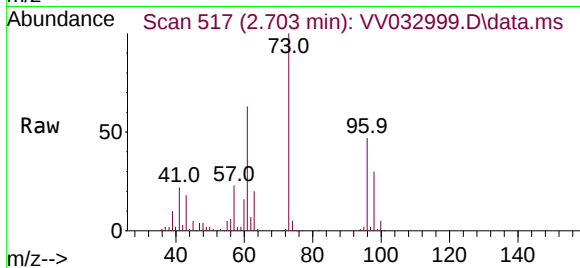
Tgt Ion: 73 Resp: 188810

Ion Ratio Lower Upper

73 100

43 18.2 17.3 25.9

57 22.4 17.8 26.6



#18

trans-1,2-Dichloroethene

Concen: 4.935 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

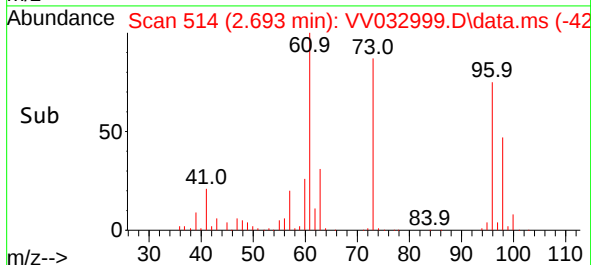
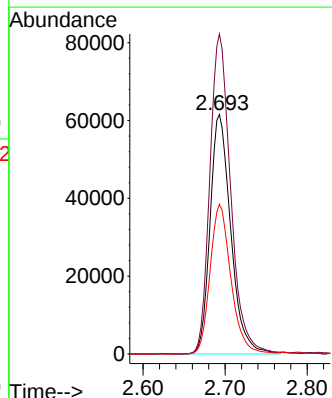
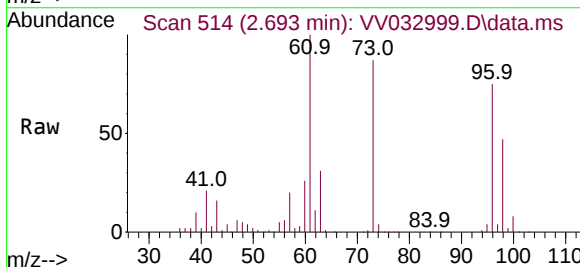
Tgt Ion: 96 Resp: 108450

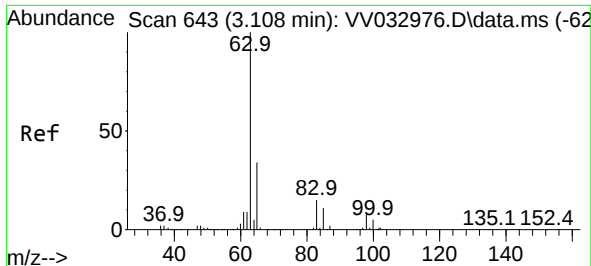
Ion Ratio Lower Upper

96 100

61 133.6 88.2 163.8

98 62.4 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.126 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

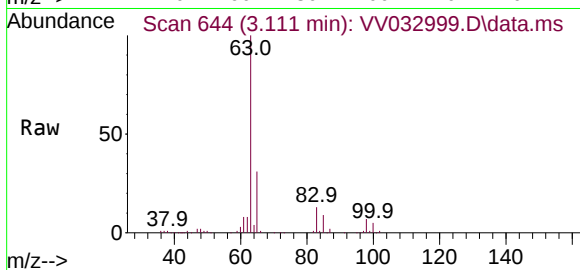
Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :



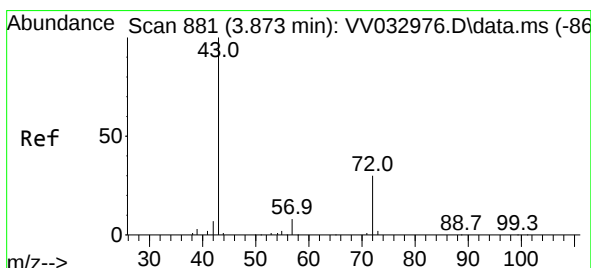
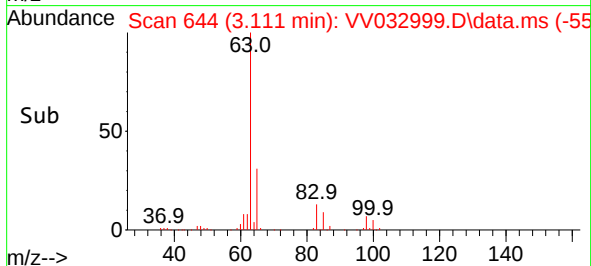
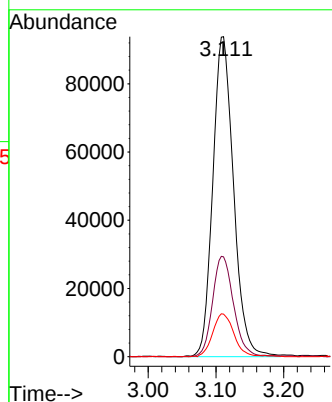
Tgt Ion: 63 Resp: 199532

Ion Ratio Lower Upper

63 100

65 31.2 21.0 39.0

83 13.3 10.0 18.6



#21

2-Butanone

Concen: 42.524 ug/L

RT: 3.876 min Scan# 882

Delta R.T. 0.003 min

Lab File: VV032999.D

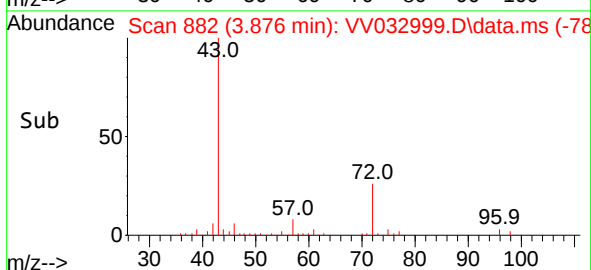
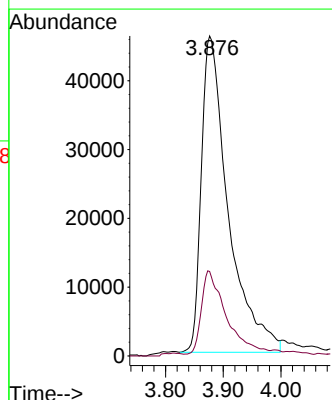
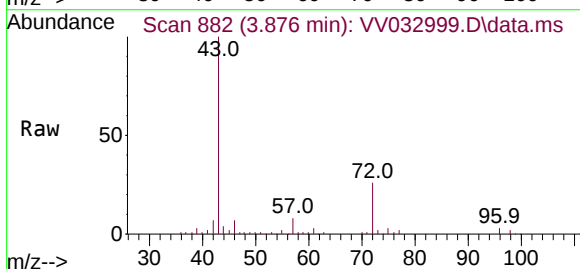
Acq: 17 Nov 2023 10:48

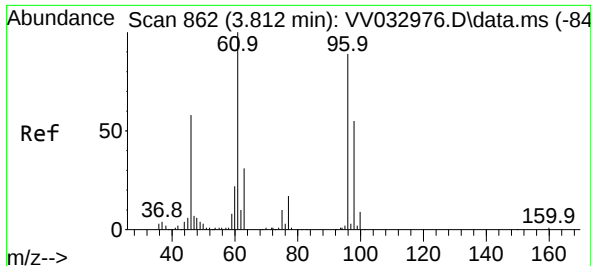
Tgt Ion: 43 Resp: 148765

Ion Ratio Lower Upper

43 100

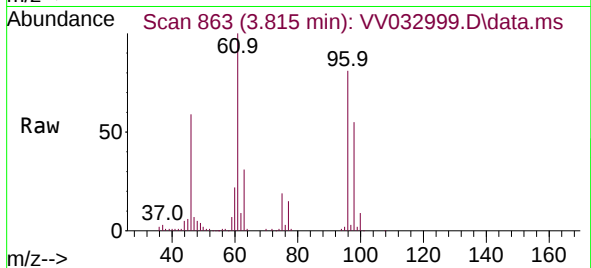
72 24.3 13.4 40.1



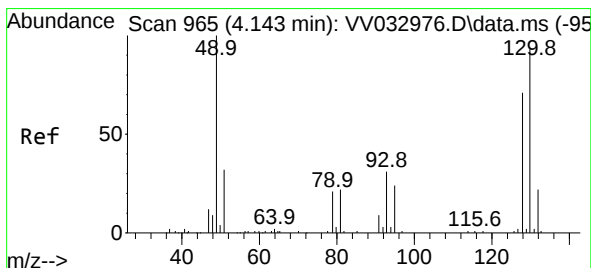
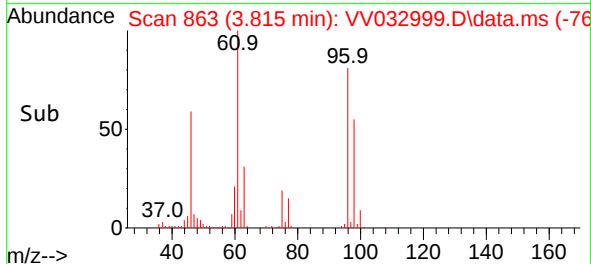
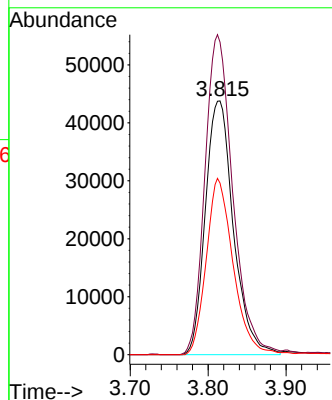


#22
cis-1,2-Dichloroethene
Concen: 4.881 ug/L
RT: 3.815 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Instrument :
MSVOA_V
ClientSampleId :

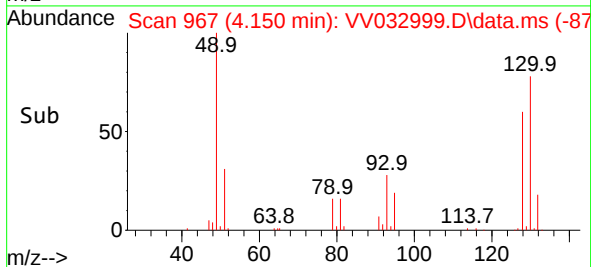
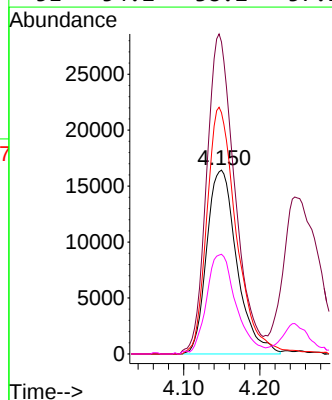
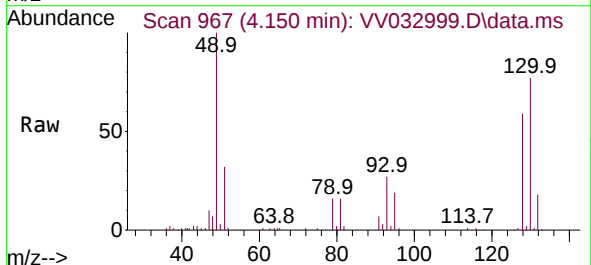


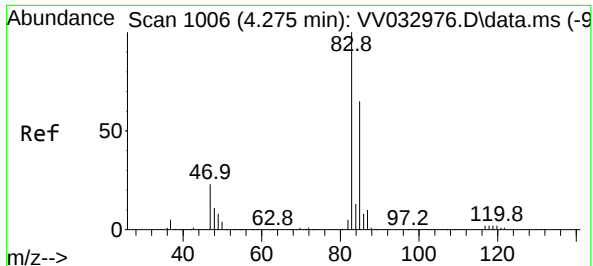
Tgt Ion: 96 Resp: 109701
Ion Ratio Lower Upper
96 100
61 123.2 77.8 144.6
98 67.6 45.4 84.4



#23
Bromochloromethane
Concen: 4.379 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.007 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion:128 Resp: 45156
Ion Ratio Lower Upper
128 100
49 169.8 101.6 188.8
130 131.3 91.7 170.3
51 54.2 38.2 57.2





#25

Chloroform

Concen: 4.725 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

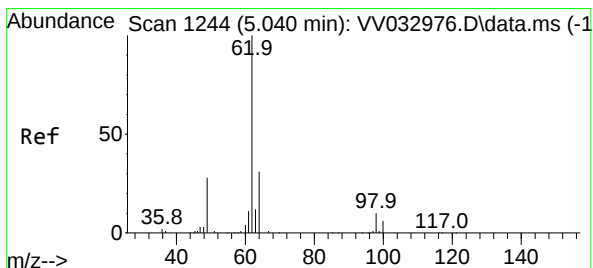
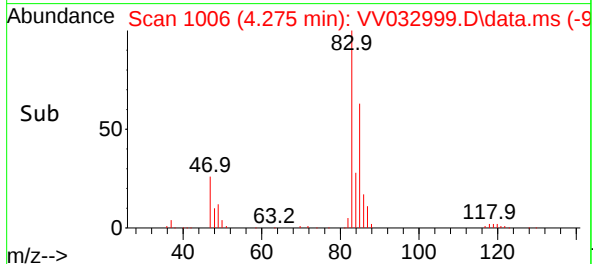
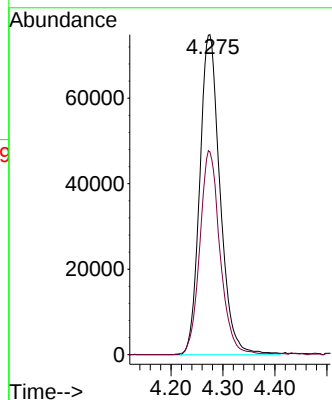
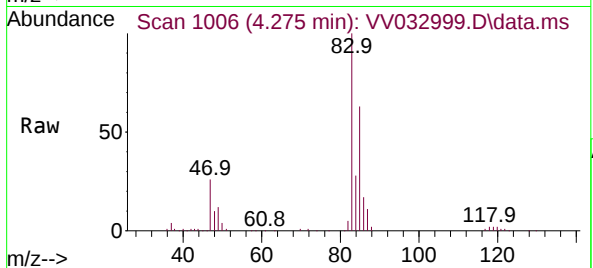
ClientSampleId :

Tgt Ion: 83 Resp: 202917

Ion Ratio Lower Upper

83 100

85 63.4 43.6 81.0



#27

1,2-Dichloroethane

Concen: 4.259 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VV032999.D

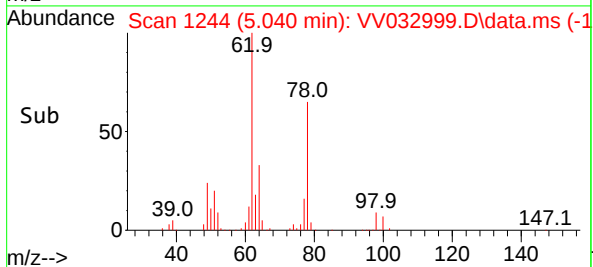
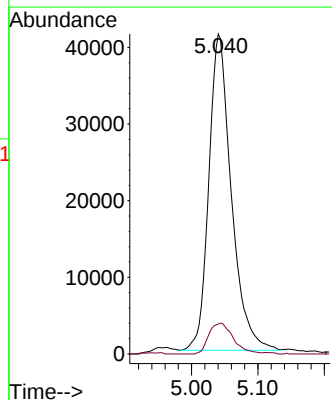
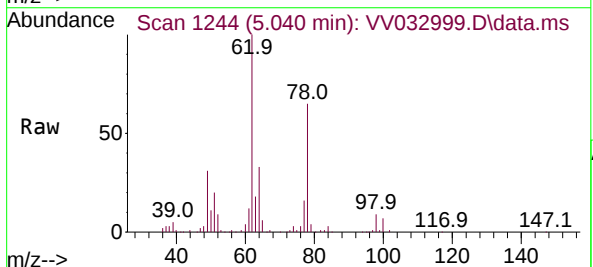
Acq: 17 Nov 2023 10:48

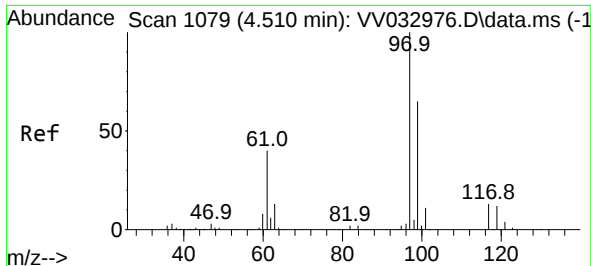
Tgt Ion: 62 Resp: 97304

Ion Ratio Lower Upper

62 100

98 9.3 7.8 11.8

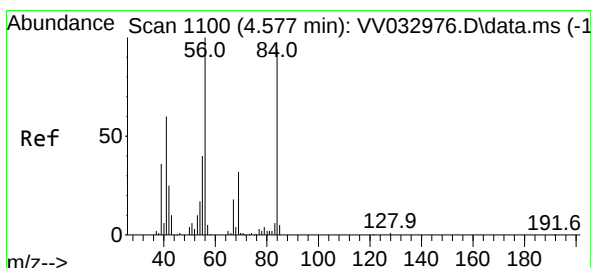
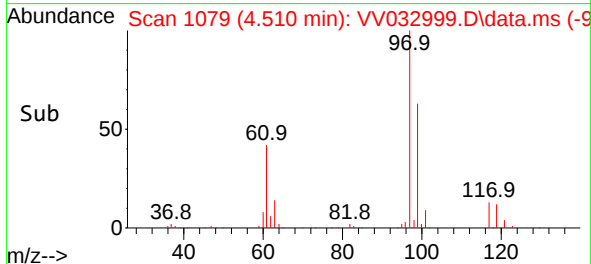
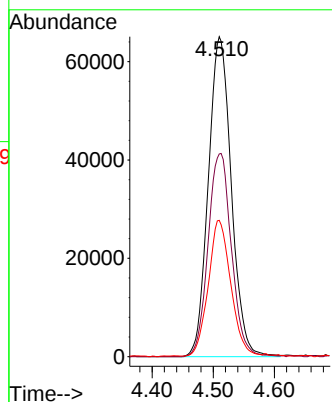
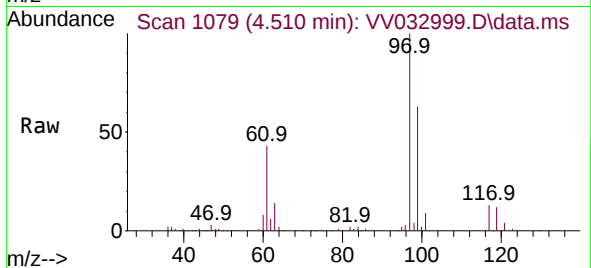




#29
1,1,1-Trichloroethane
Concen: 4.655 ug/L
RT: 4.510 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

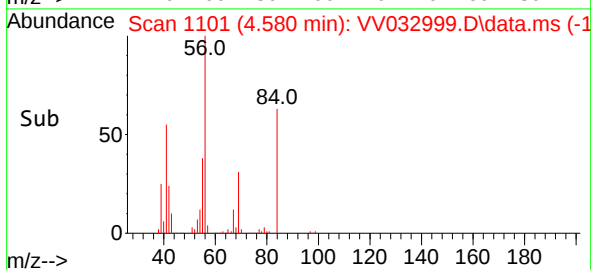
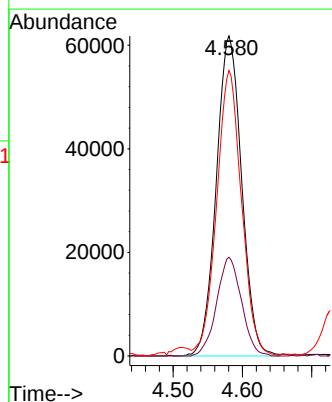
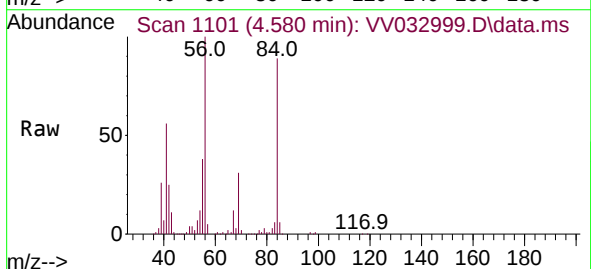
Instrument :
MSVOA_V
ClientSampleId :

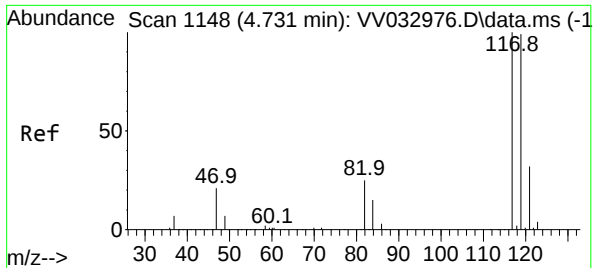
Tgt Ion: 97 Resp: 170183
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.2
61 41.3 34.2 51.2



#30
Cyclohexane
Concen: 6.182 ug/L
RT: 4.580 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion: 56 Resp: 157606
Ion Ratio Lower Upper
56 100
69 30.1 25.9 38.9
84 87.5 77.5 116.3

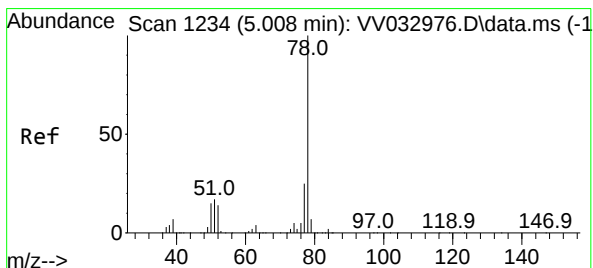
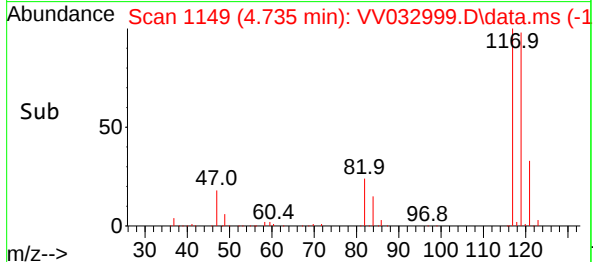
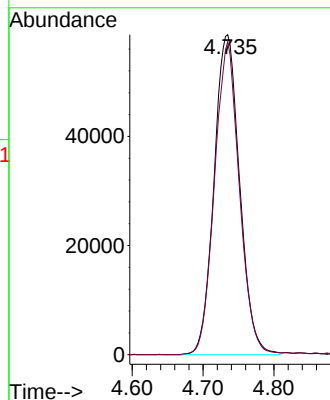
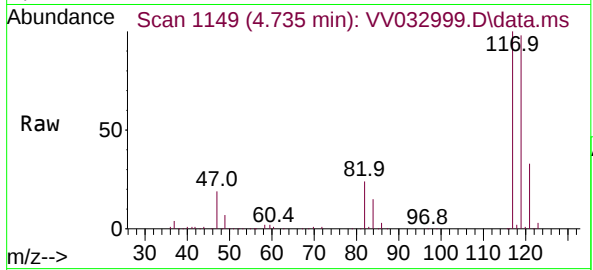




#31
Carbon tetrachloride
Concen: 4.643 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

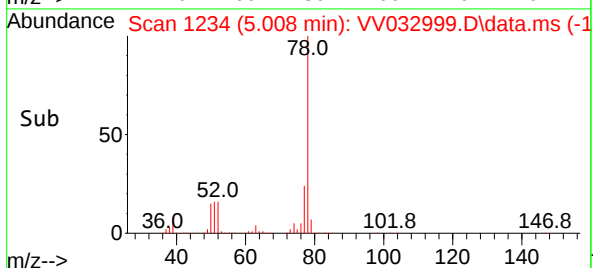
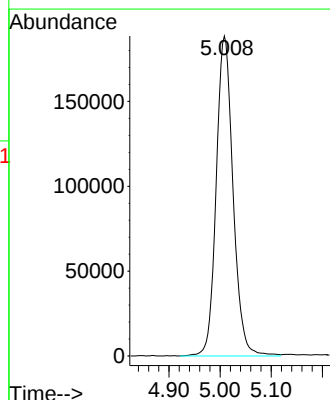
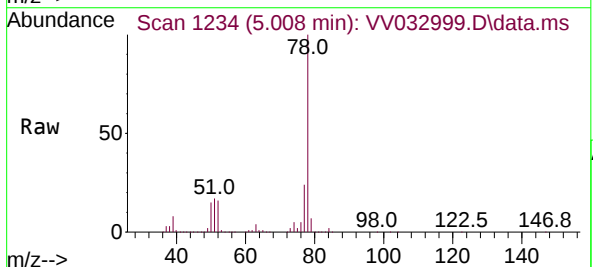
Instrument :
MSVOA_V
ClientSampleId :

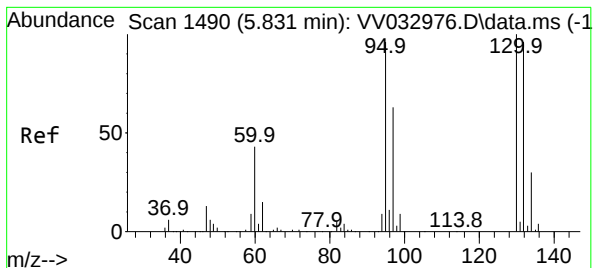
Tgt Ion:117 Resp: 147007
Ion Ratio Lower Upper
117 100
119 94.9 76.8 115.2



#33
Benzene
Concen: 5.523 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion: 78 Resp: 431678





#34

Trichloroethene

Concen: 5.144 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 110631

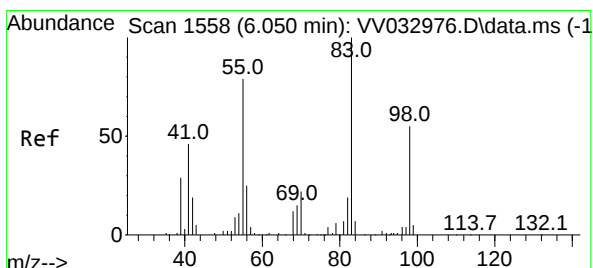
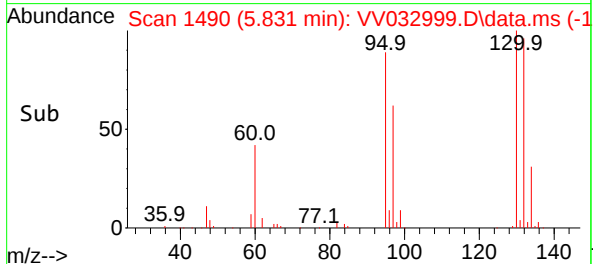
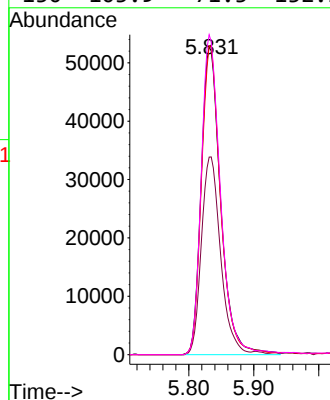
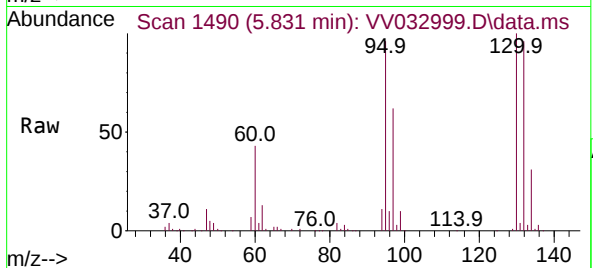
Ion Ratio Lower Upper

95 100

97 64.2 43.7 81.1

132 100.3 69.7 129.5

130 103.9 71.3 132.3



#35

Methylcyclohexane

Concen: 5.539 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

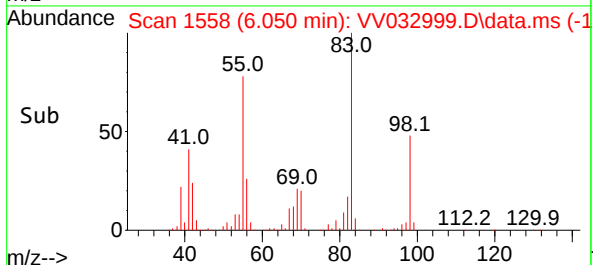
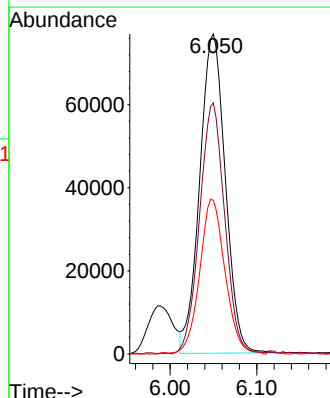
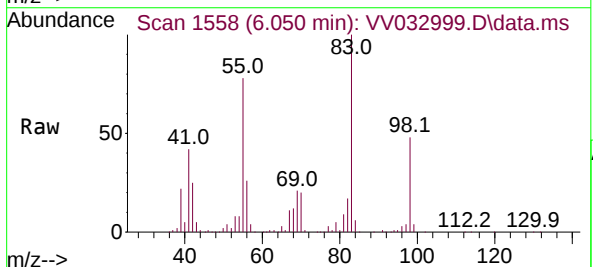
Tgt Ion: 83 Resp: 157808

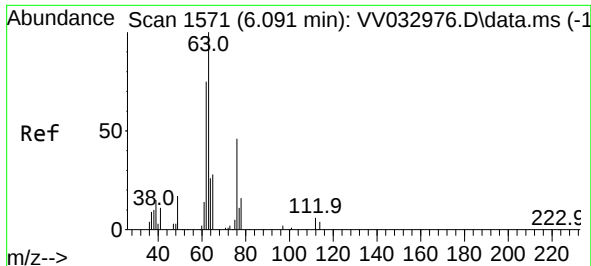
Ion Ratio Lower Upper

83 100

55 76.9 57.6 86.4

98 47.9 39.0 58.4





#37

1,2-Dichloropropane

Concen: 5.359 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

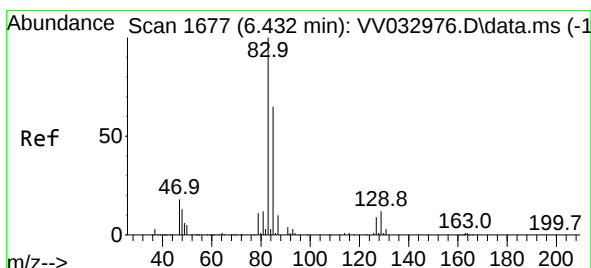
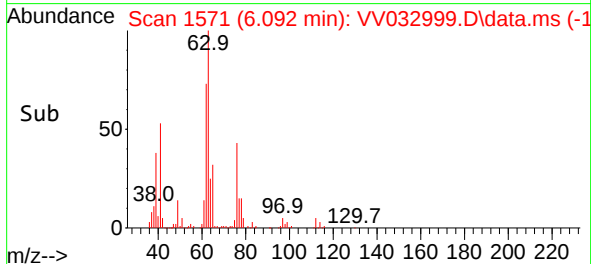
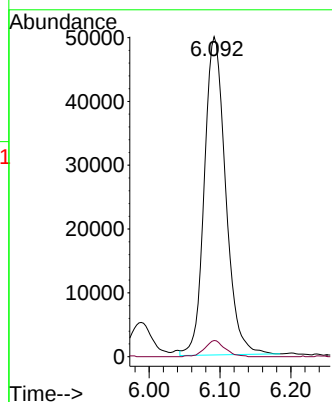
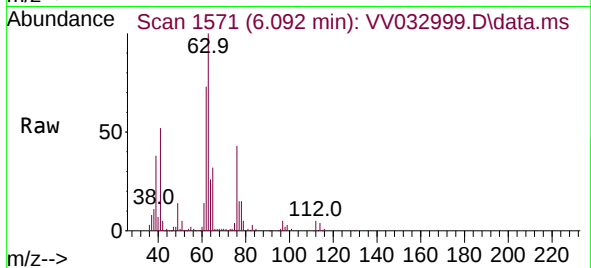
ClientSampleId :

Tgt Ion: 63 Resp: 104127

Ion Ratio Lower Upper

63 100

112 4.9 4.1 6.1



#38

Bromodichloromethane

Concen: 4.753 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

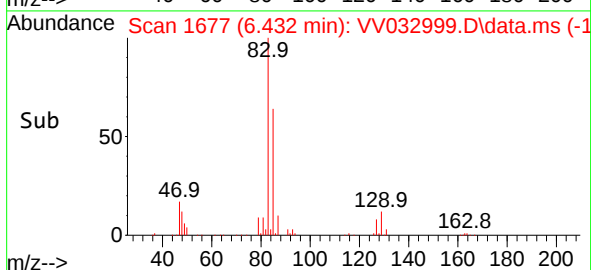
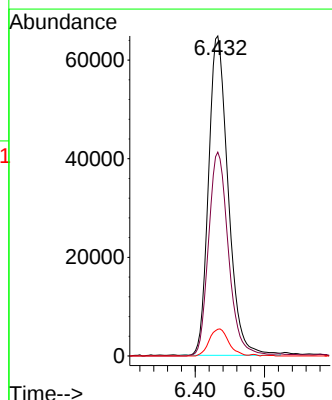
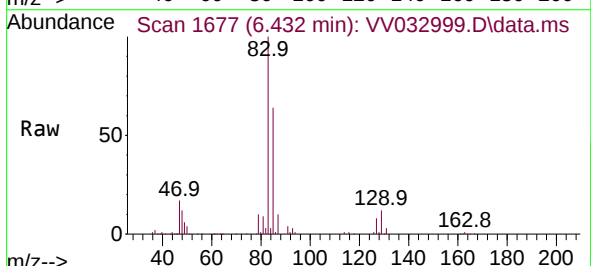
Tgt Ion: 83 Resp: 127446

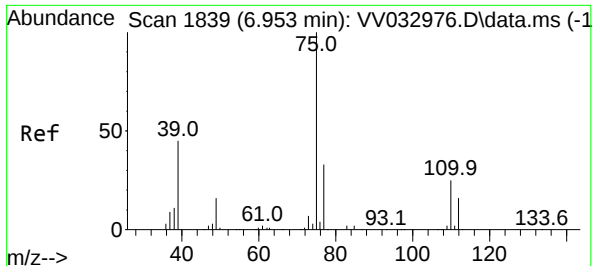
Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.4

127 8.4 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.906 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

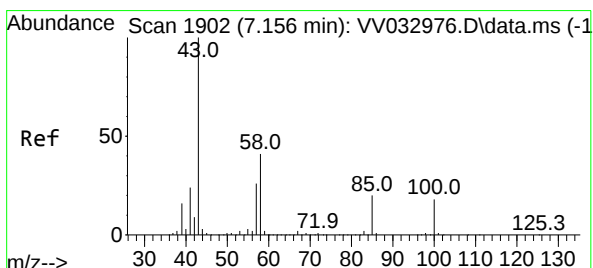
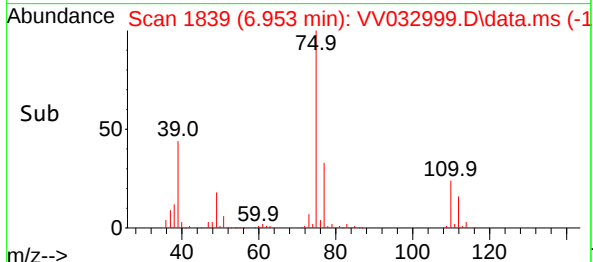
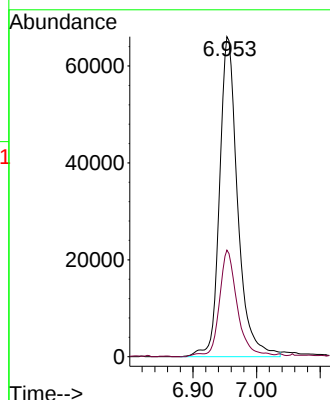
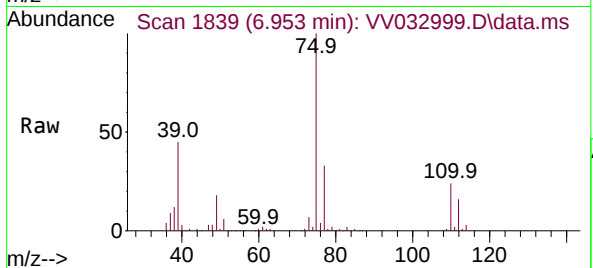
ClientSampleId :

Tgt Ion: 75 Resp: 130768

Ion Ratio Lower Upper

75 100

77 33.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 55.508 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

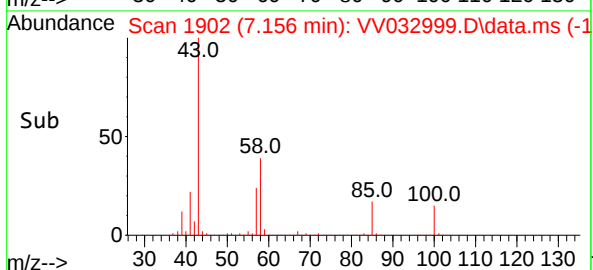
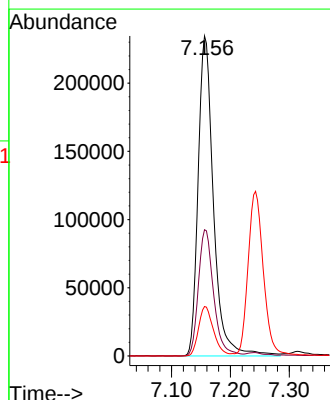
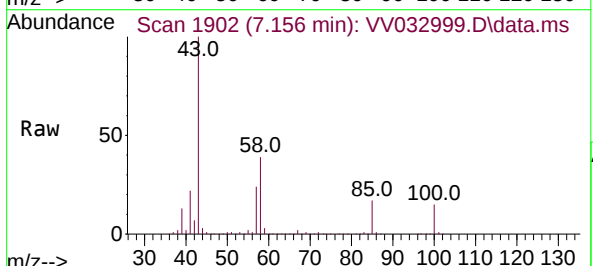
Tgt Ion: 43 Resp: 425590

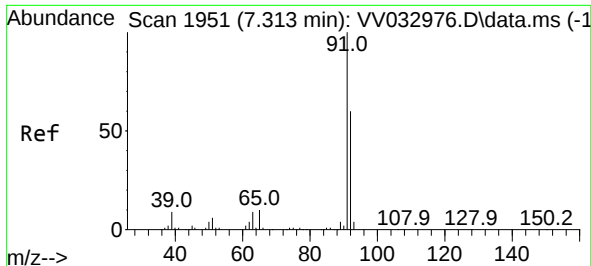
Ion Ratio Lower Upper

43 100

58 39.1 31.7 47.5

100 15.1 14.2 21.2





#42

Toluene

Concen: 5.234 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

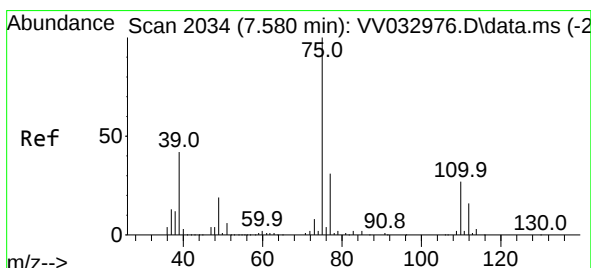
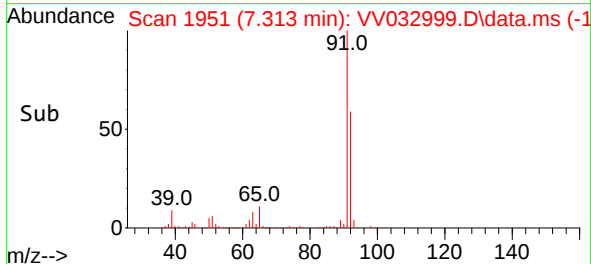
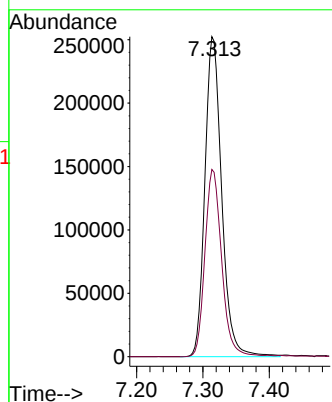
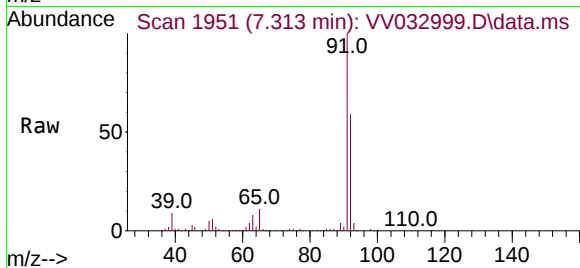
ClientSampleId :

Tgt Ion: 91 Resp: 444962

Ion Ratio Lower Upper

91 100

92 58.5 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.913 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV032999.D

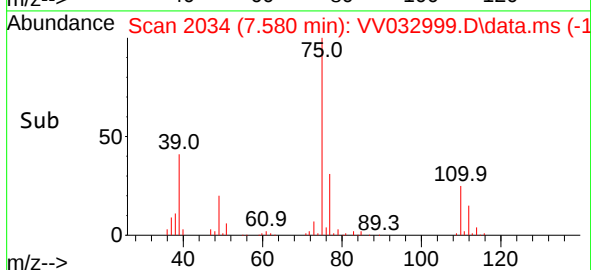
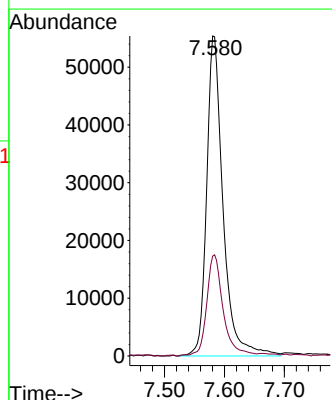
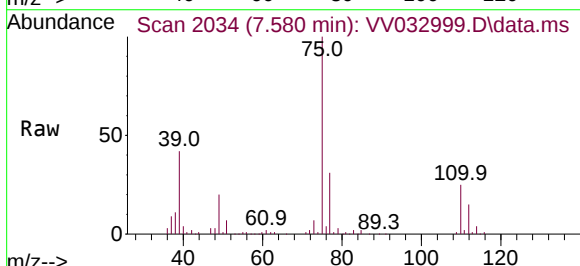
Acq: 17 Nov 2023 10:48

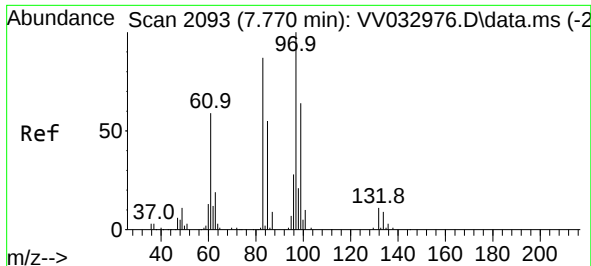
Tgt Ion: 75 Resp: 105302

Ion Ratio Lower Upper

75 100

77 31.2 22.9 42.5

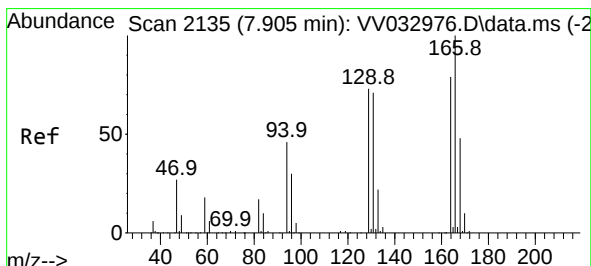
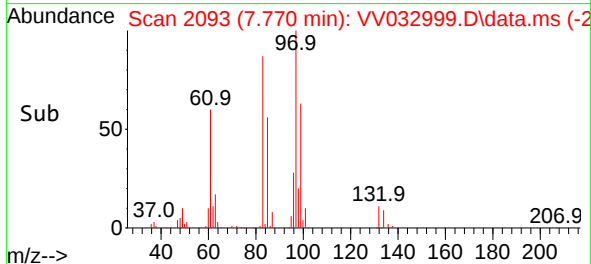
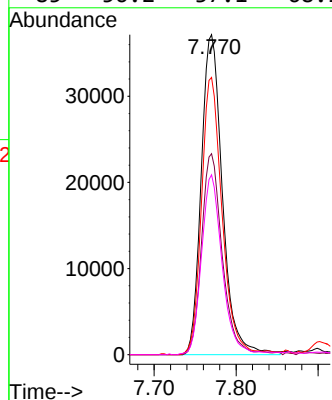
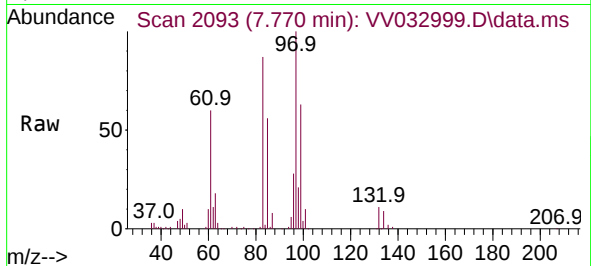




#45
1,1,2-Trichloroethane
Concen: 4.770 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

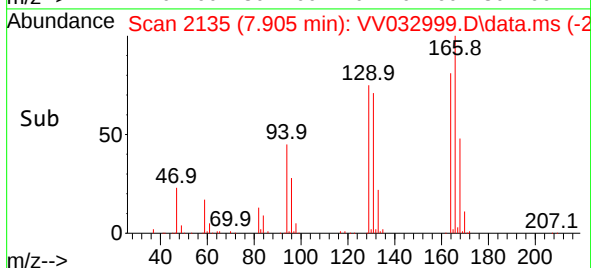
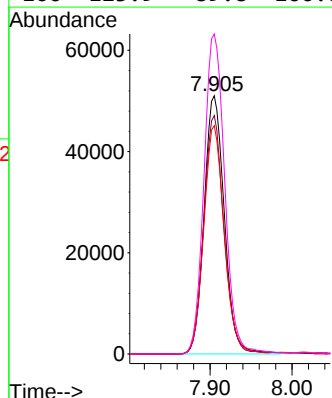
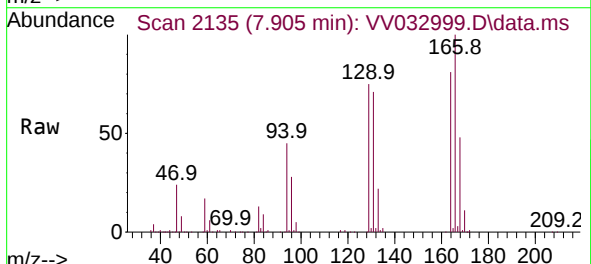
Instrument :
MSVOA_V
ClientSampleId :

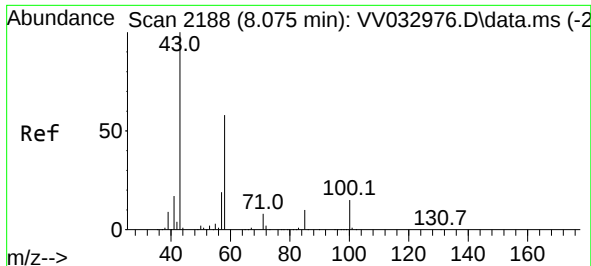
Tgt Ion:	97	Resp:	66721
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.0	80.0
83	86.6	57.3	106.5
85	56.2	37.1	68.9



#47
Tetrachloroethene
Concen: 4.835 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion:	164	Resp:	87583
Ion	Ratio	Lower	Upper
164	100		
129	92.3	64.2	119.2
131	88.4	63.5	117.9
166	123.9	89.8	166.8

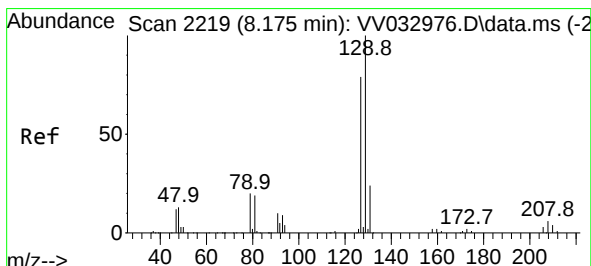
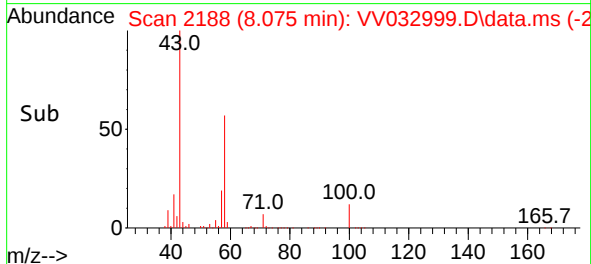
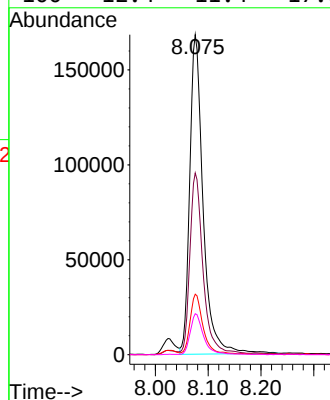
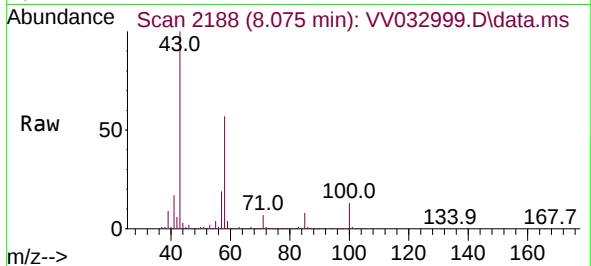




#48
2-Hexanone
Concen: 52.296 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

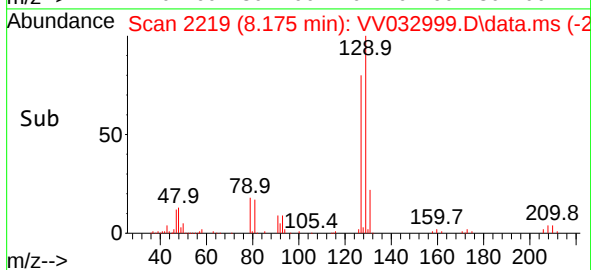
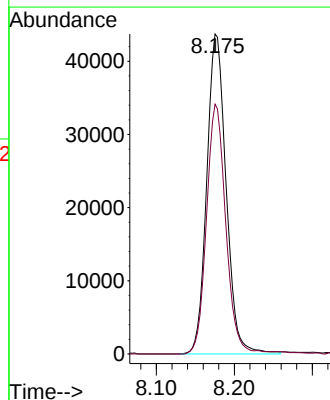
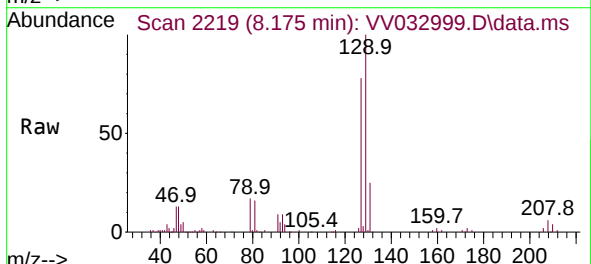
Instrument :
MSVOA_V
ClientSampleId :

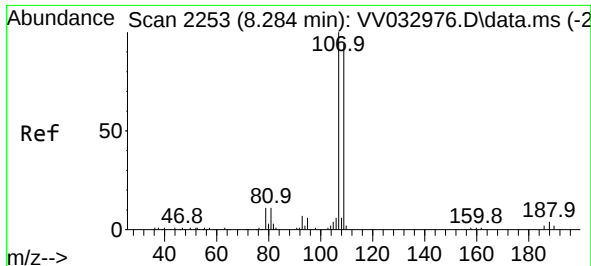
Tgt Ion: 43 Resp: 296064
Ion Ratio Lower Upper
43 100
58 55.1 44.9 67.3
57 18.0 15.1 22.7
100 12.4 11.4 17.0



#49
Dibromochloromethane
Concen: 4.504 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion:129 Resp: 75543
Ion Ratio Lower Upper
129 100
127 78.0 51.6 95.8





#50

1,2-Dibromoethane

Concen: 4.553 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

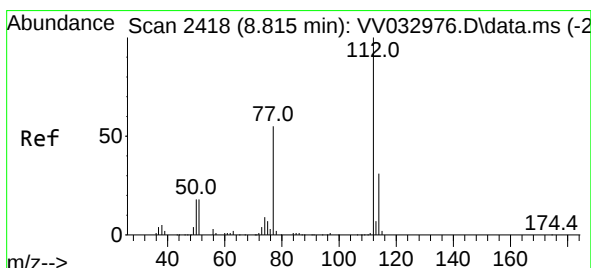
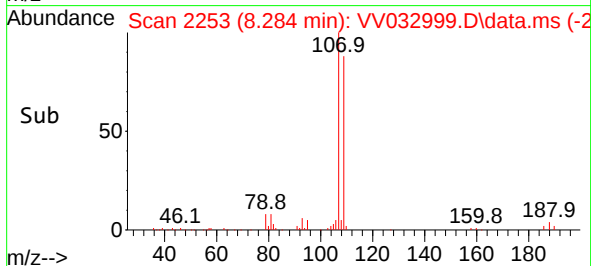
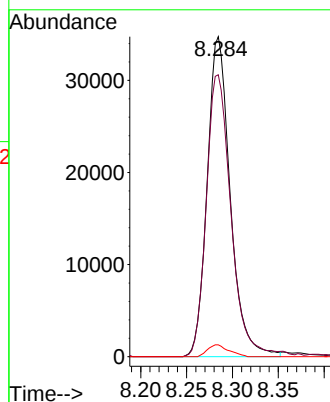
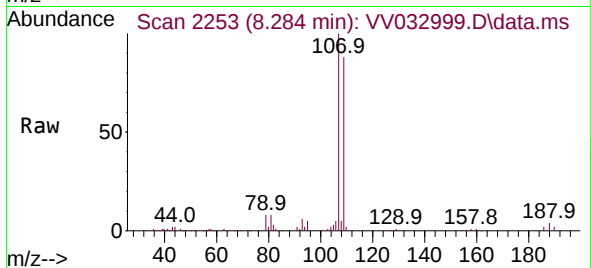
Tgt Ion:107 Resp: 60906

Ion Ratio Lower Upper

107 100

109 88.1 65.6 121.8

188 3.7 2.9 4.3



#51

Chlorobenzene

Concen: 4.860 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

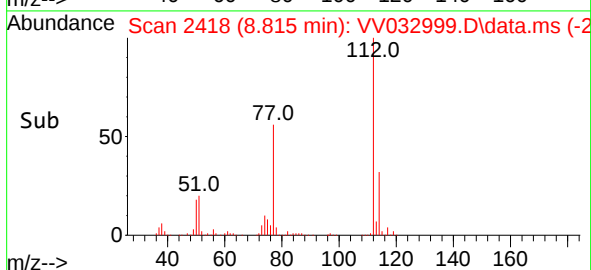
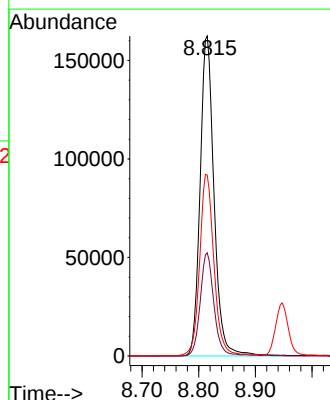
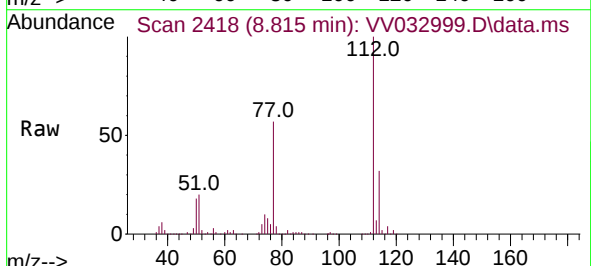
Tgt Ion:112 Resp: 277443

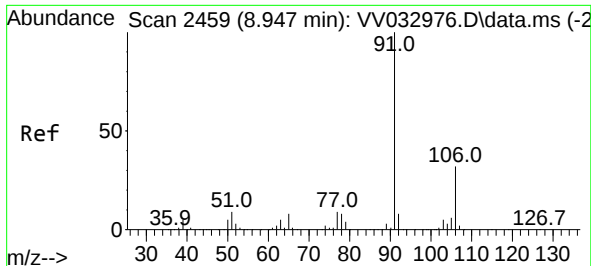
Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.5

77 56.6 42.6 64.0

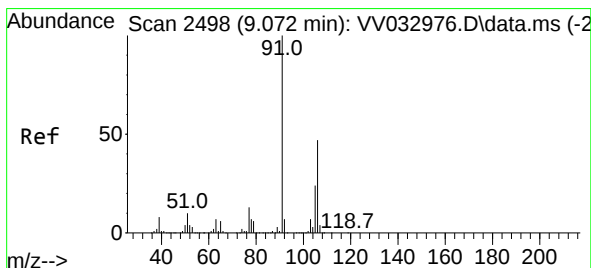
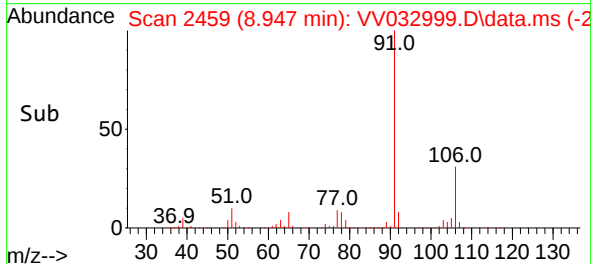
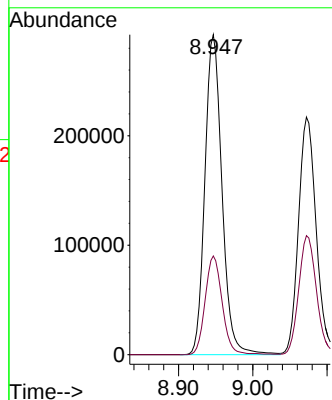
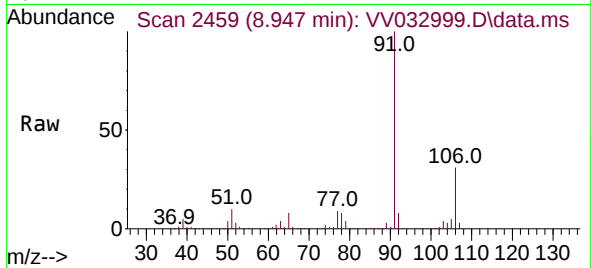




#52
Ethylbenzene
Concen: 5.287 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

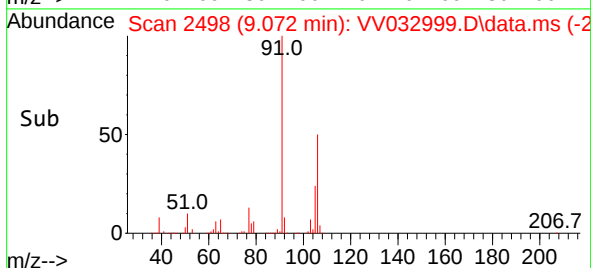
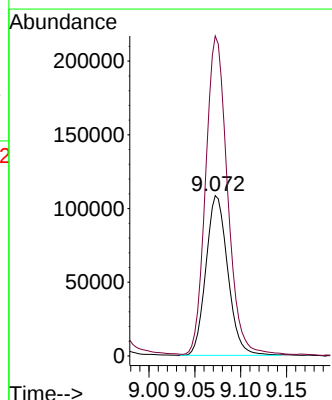
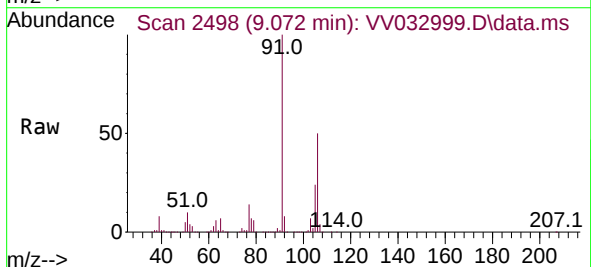
Instrument :
MSVOA_V
ClientSampleId :

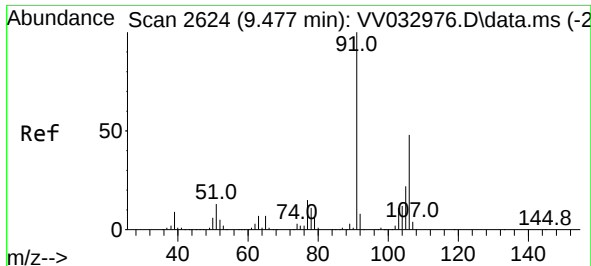
Tgt Ion: 91 Resp: 467090
Ion Ratio Lower Upper
91 100
106 30.9 21.7 40.3



#53
m,p-Xylene
Concen: 5.259 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion: 106 Resp: 179610
Ion Ratio Lower Upper
106 100
91 199.6 145.5 270.3

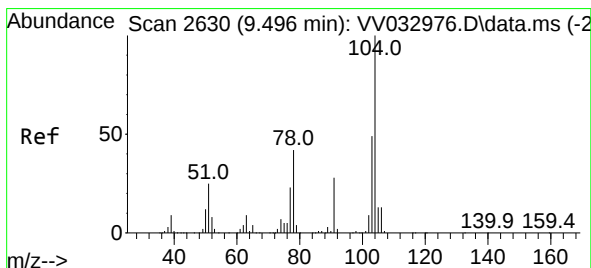
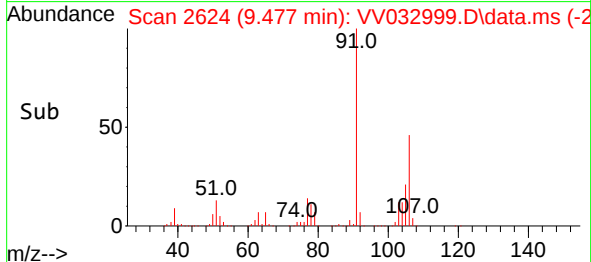
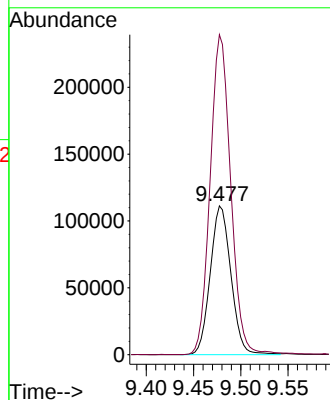
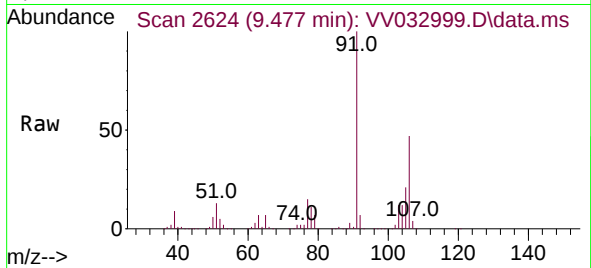




#54
o-Xylene
Concen: 5.193 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

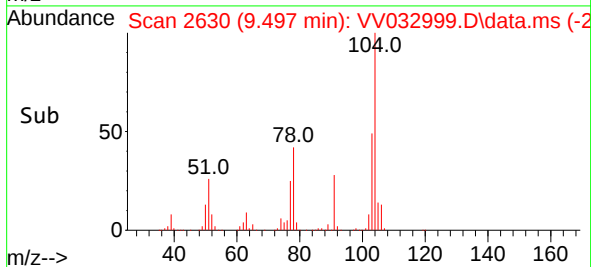
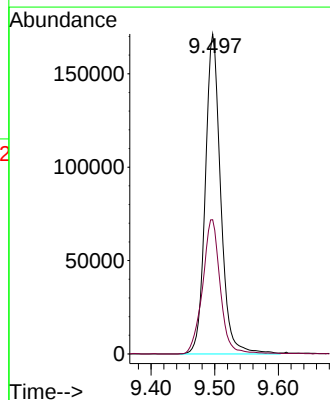
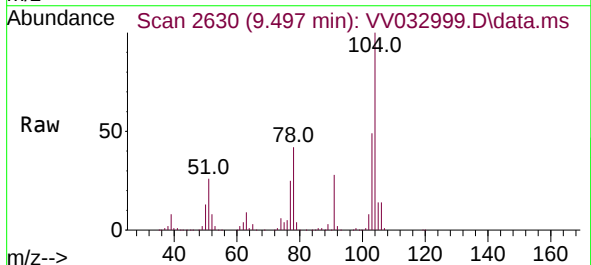
Instrument :
MSVOA_V
ClientSampleId :

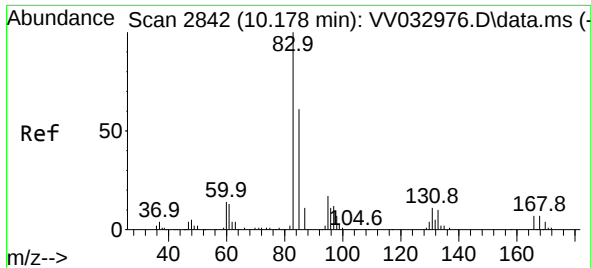
Tgt Ion:106 Resp: 169485
Ion Ratio Lower Upper
106 100
91 215.0 142.4 264.4



#55
Styrene
Concen: 5.128 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion:104 Resp: 287836
Ion Ratio Lower Upper
104 100
78 42.0 29.8 55.4

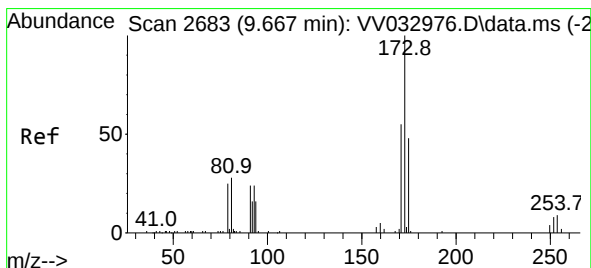
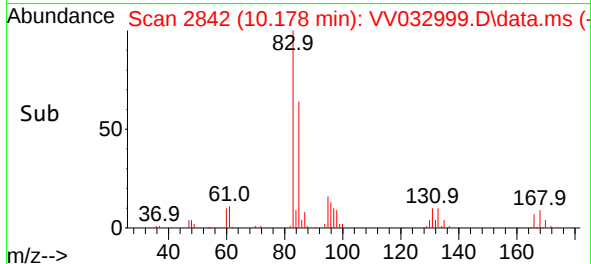
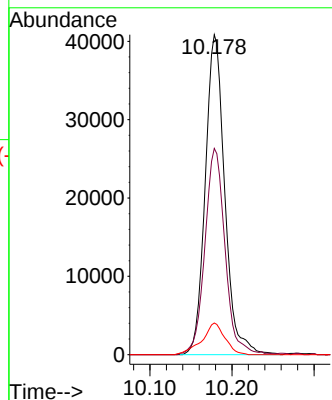
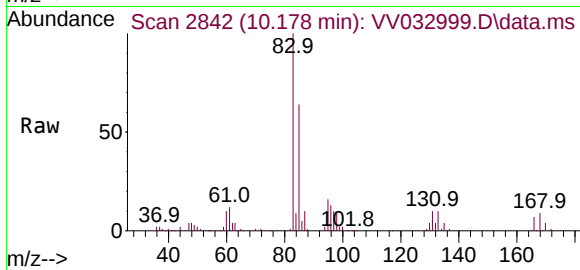




#57
1,1,2,2-Tetrachloroethane
Concen: 4.327 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

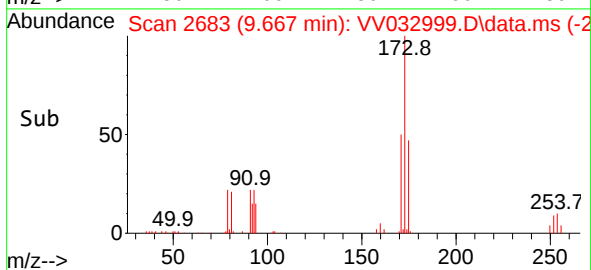
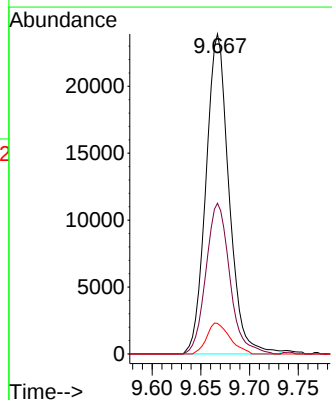
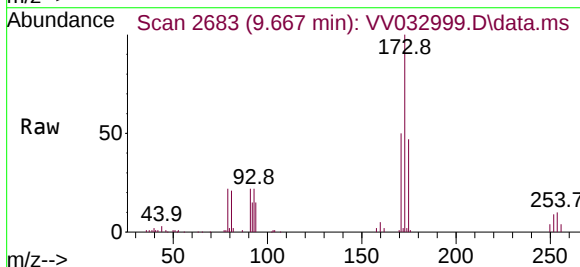
Instrument :
MSVOA_V
ClientSampleId :

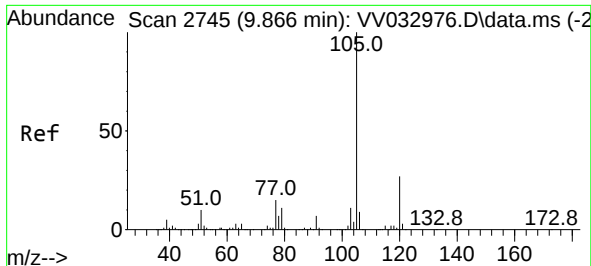
Tgt Ion: 83 Resp: 67502
Ion Ratio Lower Upper
83 100
85 64.5 44.7 83.1
131 9.9 8.0 12.0



#59
Bromoform
Concen: 4.643 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion: 173 Resp: 39317
Ion Ratio Lower Upper
173 100
175 48.8 39.0 58.4
254 9.7 6.4 9.6#

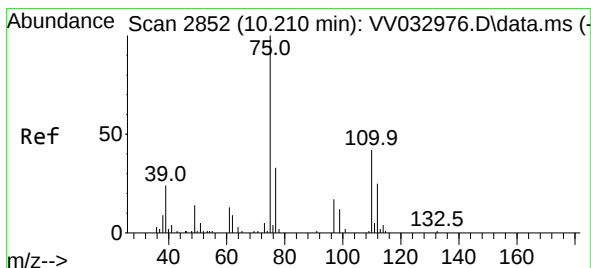
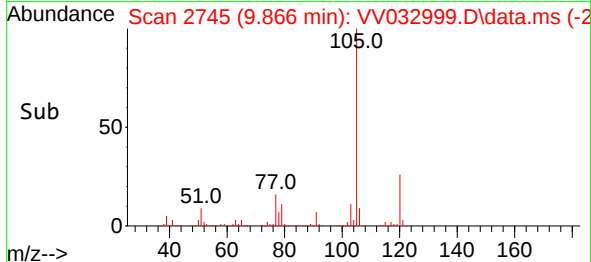
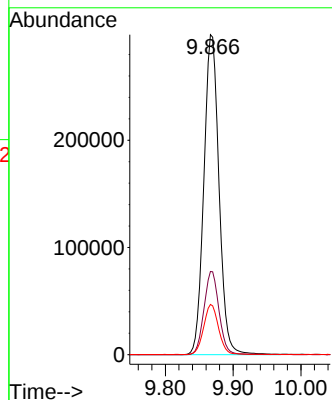
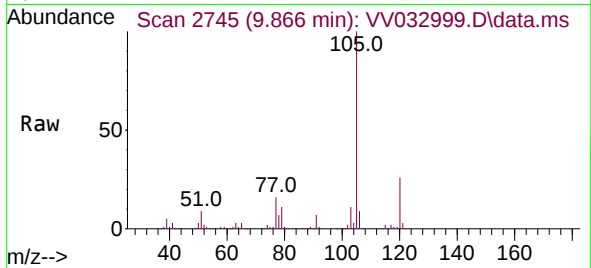




#60
Isopropylbenzene
Concen: 5.580 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

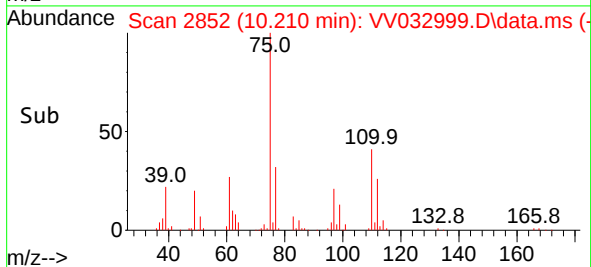
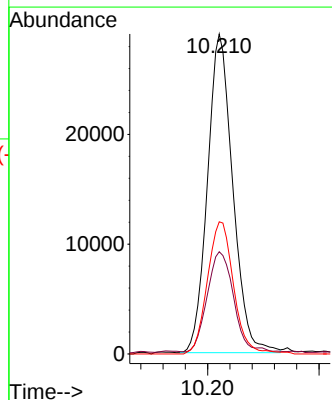
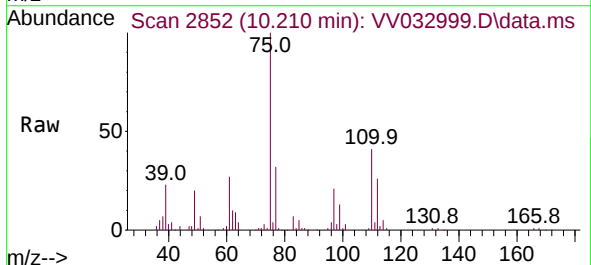
Instrument :
MSVOA_V
ClientSampleId :

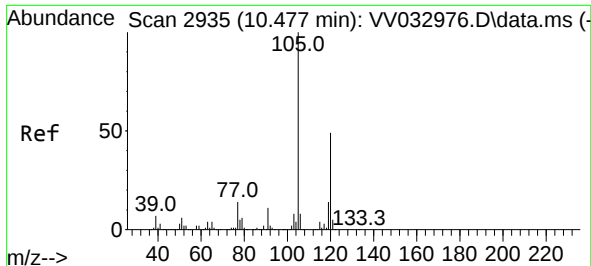
Tgt Ion:105 Resp: 463978
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 15.3 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.681 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion: 75 Resp: 45887
Ion Ratio Lower Upper
75 100
77 32.6 25.0 37.4
110 42.9 35.6 53.4

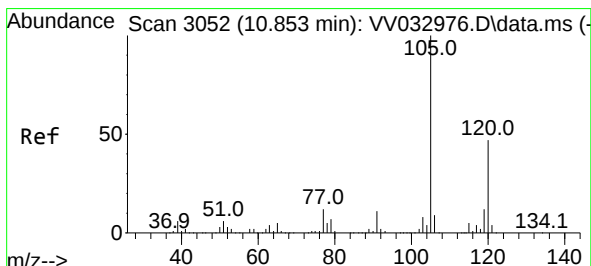
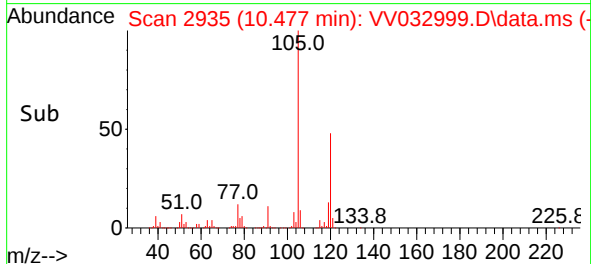
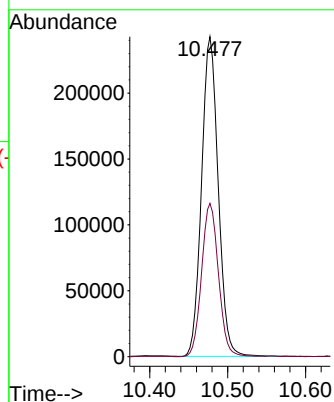
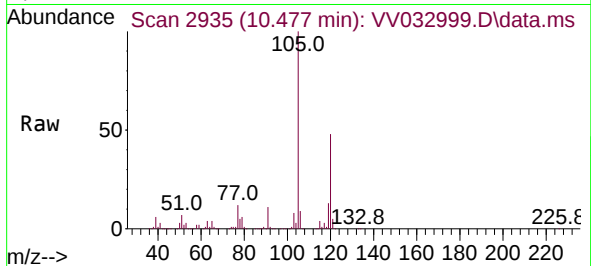




#62
 1,3,5-Trimethylbenzene
 Concen: 5.526 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VV032999.D
 Acq: 17 Nov 2023 10:48

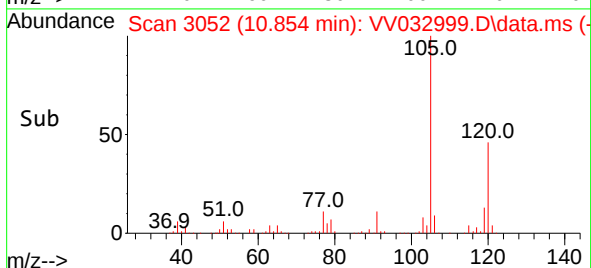
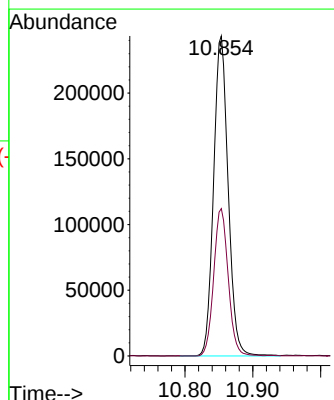
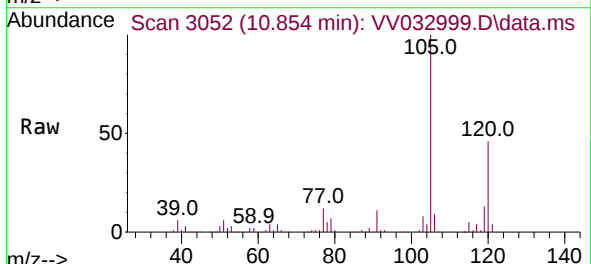
Instrument :
 MSVOA_V
 ClientSampleId :

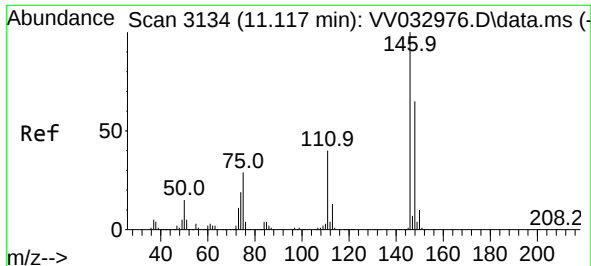
Tgt Ion:105 Resp: 360129
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 5.530 ug/L
 RT: 10.854 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV032999.D
 Acq: 17 Nov 2023 10:48

Tgt Ion:105 Resp: 363212
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.6 55.0

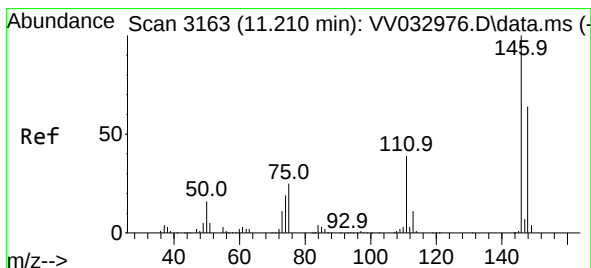
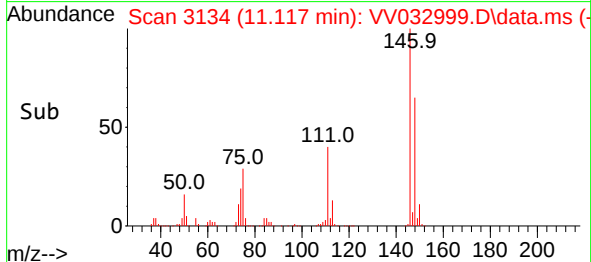
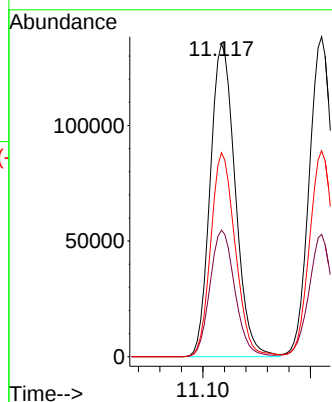
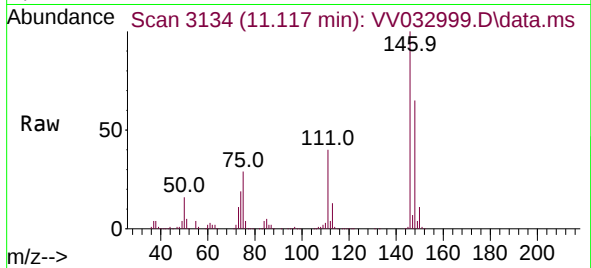




#64
1,3-Dichlorobenzene
Concen: 4.953 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

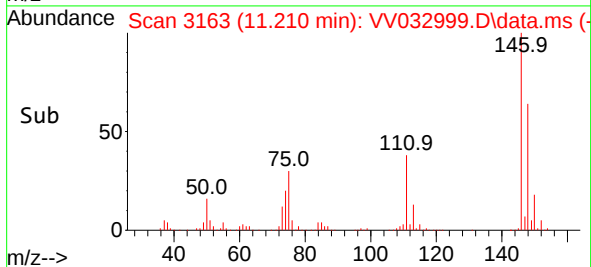
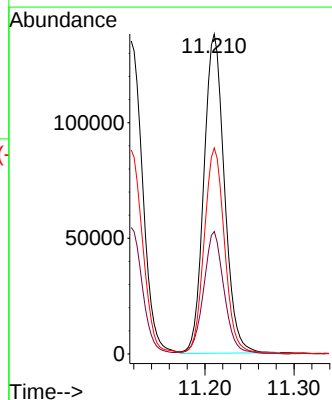
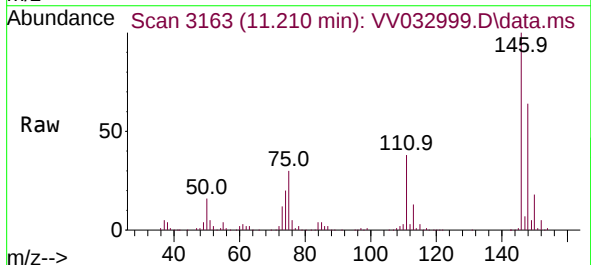
Instrument :
MSVOA_V
ClientSampleId :

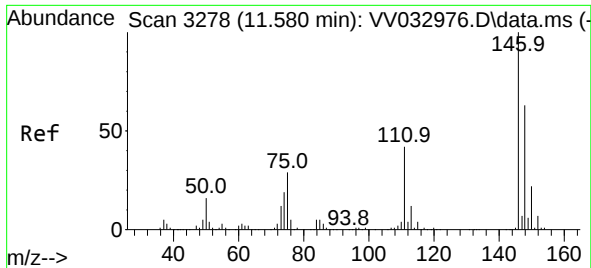
Tgt Ion:146 Resp: 218686
Ion Ratio Lower Upper
146 100
111 40.4 27.8 51.6
148 65.2 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.887 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032999.D
Acq: 17 Nov 2023 10:48

Tgt Ion:146 Resp: 220284
Ion Ratio Lower Upper
146 100
111 38.3 25.8 48.0
148 64.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 4.881 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

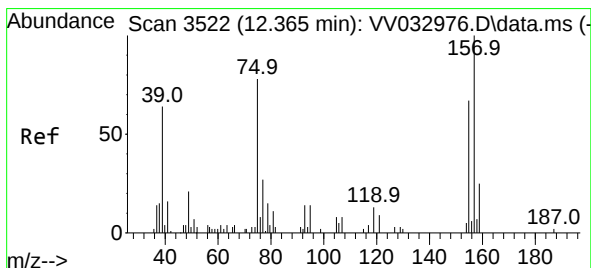
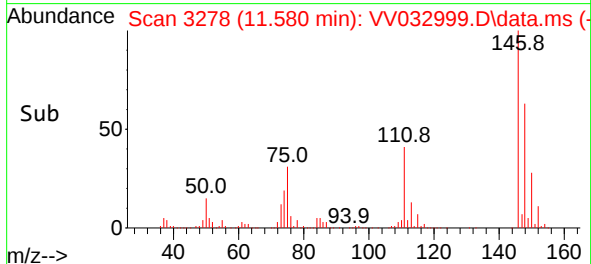
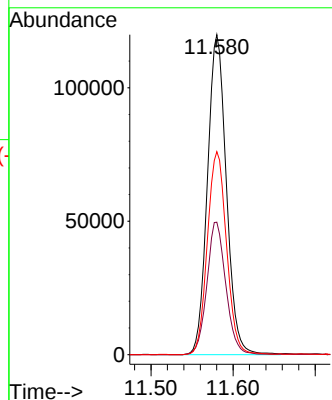
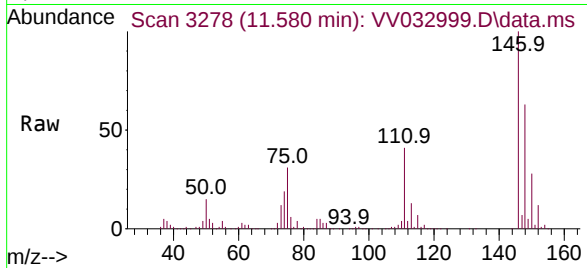
Tgt Ion:146 Resp: 192462

Ion Ratio Lower Upper

146 100

111 41.4 31.8 47.8

148 63.4 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.113 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

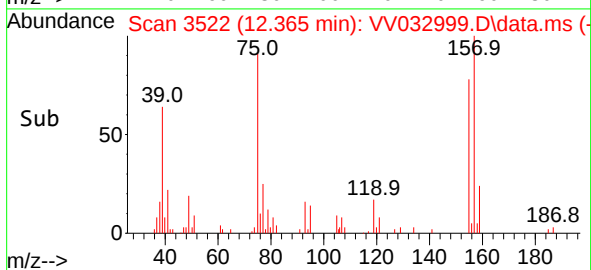
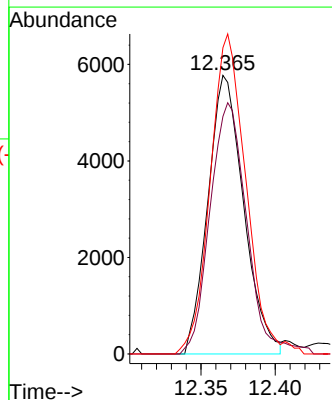
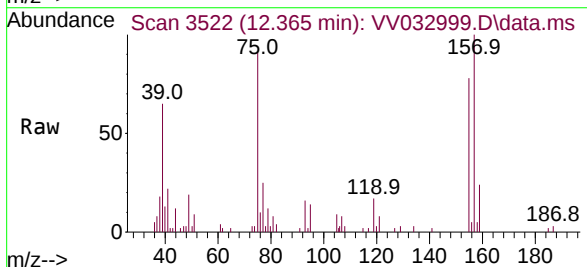
Tgt Ion: 75 Resp: 9665

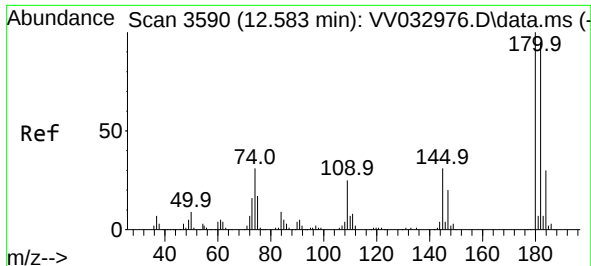
Ion Ratio Lower Upper

75 100

155 85.2 71.8 107.8

157 109.9 102.2 153.2





#69

1,3,5-Trichlorobenzene

Concen: 4.981 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

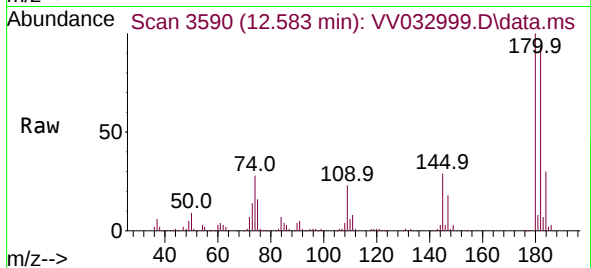
Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 163301

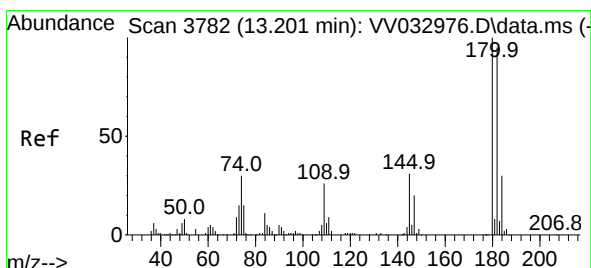
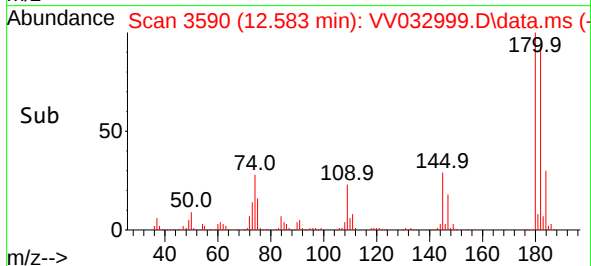
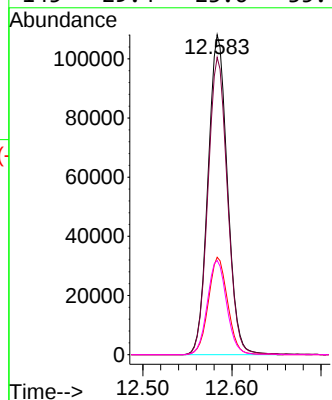
Ion Ratio Lower Upper

180 100

182 93.8 76.2 114.2

184 30.3 24.2 36.4

145 29.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.748 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

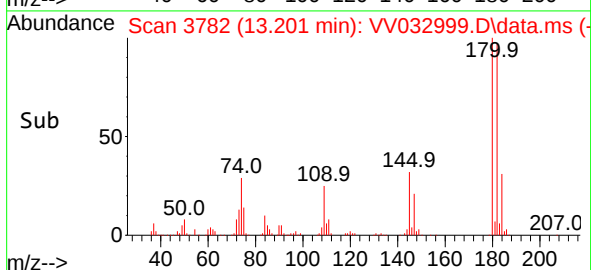
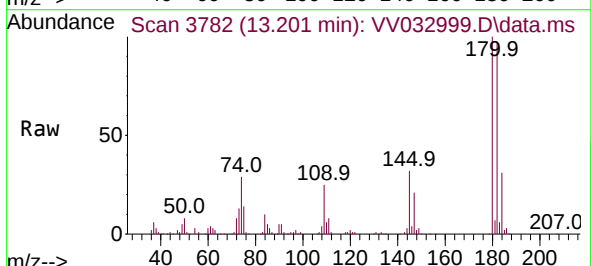
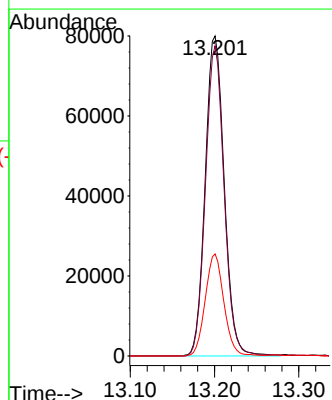
Tgt Ion:180 Resp: 126234

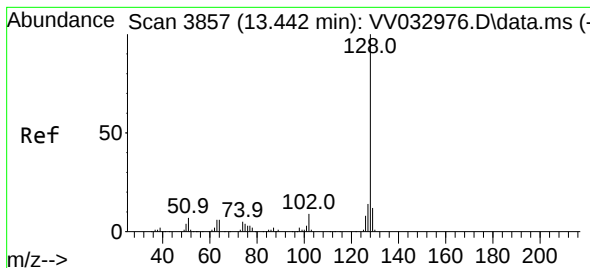
Ion Ratio Lower Upper

180 100

182 94.6 77.4 116.2

145 31.2 25.1 37.7





#71

Naphthalene

Concen: 4.451 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

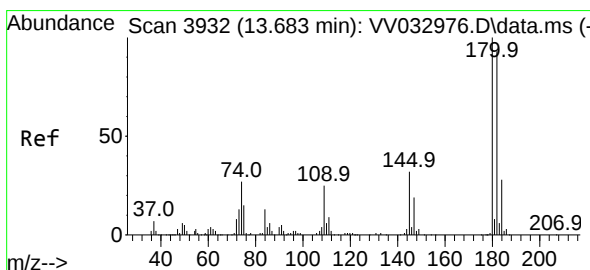
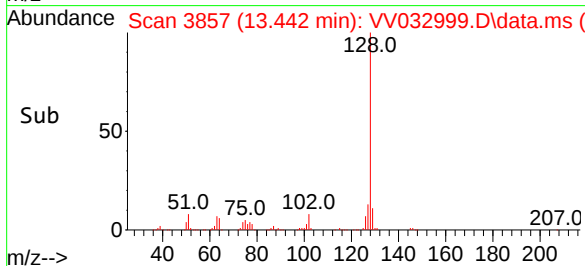
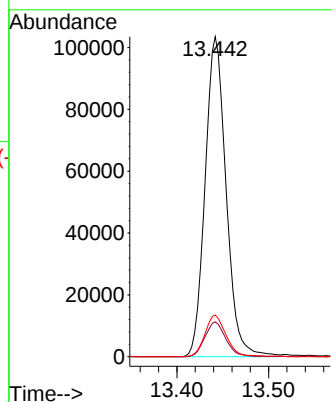
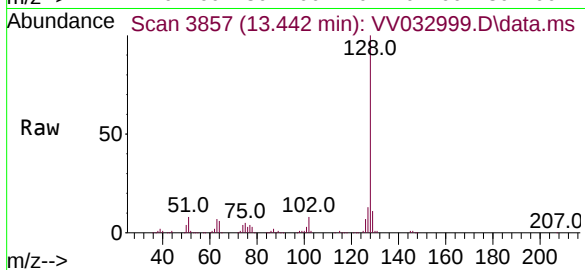
Tgt Ion:128 Resp: 164729

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.1 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 4.620 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.003 min

Lab File: VV032999.D

Acq: 17 Nov 2023 10:48

Tgt Ion:180 Resp: 106955

Ion Ratio Lower Upper

180 100

182 95.4 76.7 115.1

145 35.9 27.0 40.4

