

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040524\
 Data File : VV034991.D
 Acq On : 05 Apr 2024 08:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 06 00:50:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 21:33:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	396406	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	390938	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	202297	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	145806	38.086	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.180%
7) Chloroethane-d5	1.532	69	133019	40.004	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.056	65	68701	40.939	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.880%
21) 2-Butanone-d5	3.793	46	212826	93.736	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.740%
24) Chloroform-d	4.243	84	302150	46.942	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.880%
26) 1,2-Dichloroethane-d4	4.937	65	185105	45.296	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.600%
32) Benzene-d6	4.956	84	577187	43.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.900%
36) 1,2-Dichloropropane-d6	5.985	67	191605	45.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.900%
41) Toluene-d8	7.239	98	525743	44.455	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.920%
43) trans-1,3-Dichloroprop...	7.548	79	81725	40.314	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.620%
47) 2-Hexanone-d5	8.024	63	120550	76.462	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.460%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	265930	46.310	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.620%
66) 1,2-Dichlorobenzene-d4	11.557	152	197787	43.546	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	139726	48.633	ug/L	99
3) Chloromethane	1.217	50	171796	46.513	ug/L	100
5) Vinyl chloride	1.285	62	183336	47.348	ug/L	98
6) Bromomethane	1.490	94	115350	39.742	ug/L	98
8) Chloroethane	1.548	64	134748	50.954	ug/L	98
9) Trichlorofluoromethane	1.712	101	261194	51.395	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	159379	51.237	ug/L	98
12) 1,1-Dichloroethene	2.069	96	144817	48.677	ug/L	91
13) Acetone	2.127	43	179109	85.925	ug/L	100
14) Carbon disulfide	2.240	76	376844	44.980	ug/L	100
15) Methyl Acetate	2.375	43	184617	56.203	ug/L	98
16) Methylene chloride	2.445	84	179272	55.613	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	146725	51.012	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	538659	53.317	ug/L	99
19) 1,1-Dichloroethane	3.108	63	327459	55.517	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	172495	52.812	ug/L	98
22) 2-Butanone	3.873	43	241677	99.915	ug/L	97
23) Bromochloromethane	4.143	128	89016	54.472	ug/L	97
25) Chloroform	4.272	83	324715	55.682	ug/L	98

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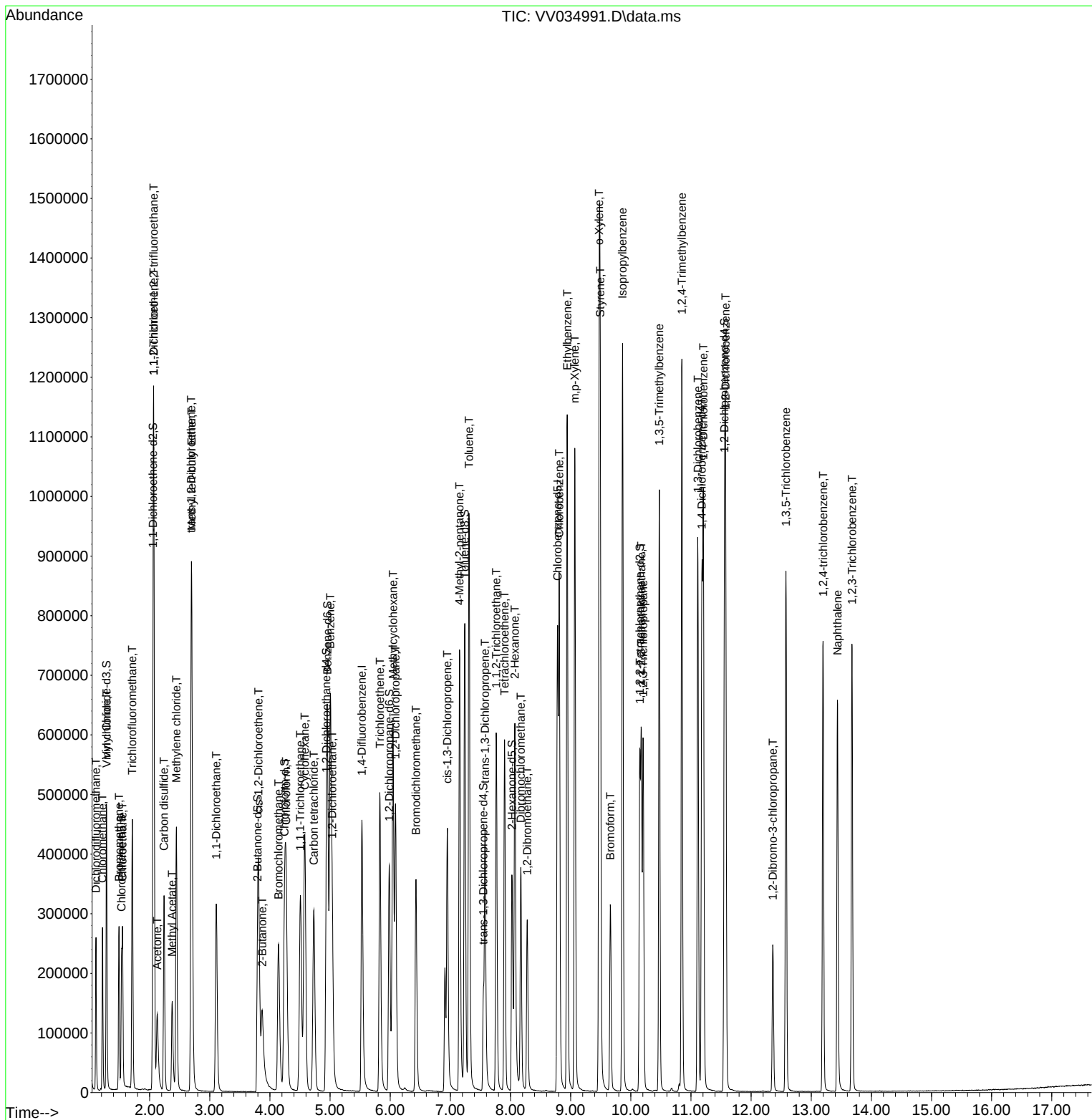
Instrument :
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 ClientSampleId :

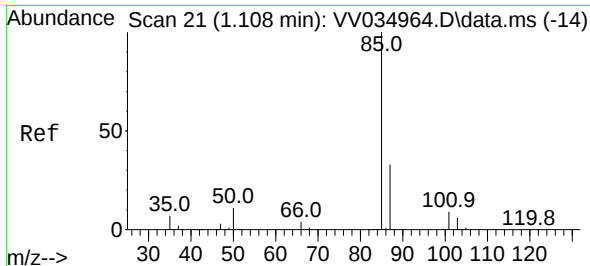
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 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 21:33:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	249806	53.802	ug/L	99
29) Cyclohexane	4.580	56	243933	49.818	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	268349	52.660	ug/L	99
31) Carbon tetrachloride	4.731	117	230427	53.350	ug/L	100
33) Benzene	5.005	78	666922	52.316	ug/L	100
34) Trichloroethene	5.828	95	177804	51.682	ug/L	98
35) Methylcyclohexane	6.046	83	257377	49.536	ug/L	99
37) 1,2-Dichloropropane	6.088	63	188760	53.580	ug/L	100
38) Bromodichloromethane	6.429	83	244090	53.700	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	278814	50.239	ug/L	99
40) 4-Methyl-2-pentanone	7.152	43	486857	108.240	ug/L	98
42) Toluene	7.310	91	708328	53.073	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	260901	51.171	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	181703	54.721	ug/L	99
46) Tetrachloroethene	7.902	164	128218	53.345	ug/L	97
48) 2-Hexanone	8.072	43	394510	103.125	ug/L	99
49) Dibromochloromethane	8.172	129	182420	55.468	ug/L	100
50) 1,2-Dibromoethane	8.278	107	188320	52.678	ug/L	98
51) Chlorobenzene	8.812	112	456404	52.764	ug/L	100
52) Ethylbenzene	8.943	91	782390	52.895	ug/L	99
53) m,p-Xylene	9.069	106	289631	53.171	ug/L	99
54) o-Xylene	9.474	106	286634	53.182	ug/L	98
55) Styrene	9.493	104	506662	55.629	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	287288	53.399	ug/L	100
59) Bromoform	9.660	173	134973	58.221	ug/L	100
60) Isopropylbenzene	9.863	105	783022	53.691	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	237456	54.168	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	509128	53.754	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	626973	53.540	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	363067	53.272	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	368389	53.153	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	370537	54.577	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	61508	50.930	ug/L	100
69) 1,3,5-Trichlorobenzene	12.580	180	258303	52.588	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	222414	49.295	ug/L	99
71) Naphthalene	13.435	128	500620	39.993	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	222558	50.042	ug/L	99

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

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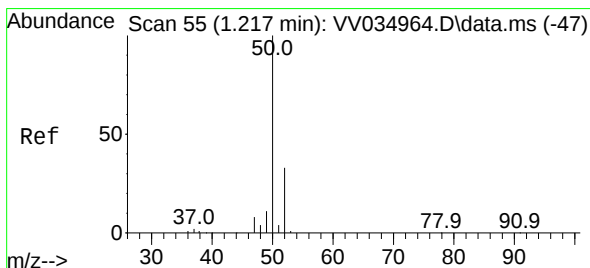
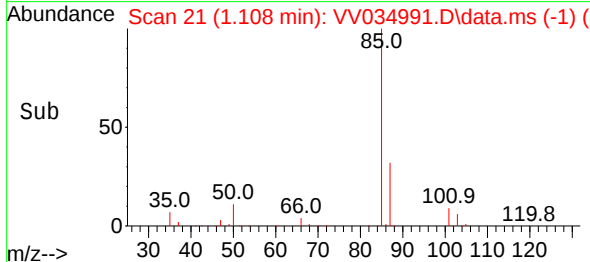
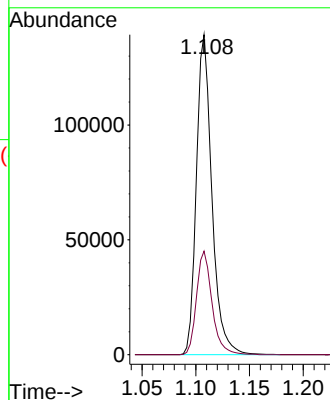
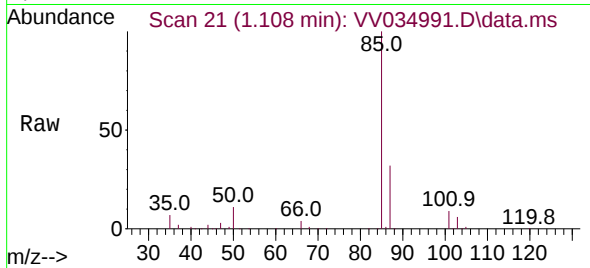




#2
Dichlorodifluoromethane
Concen: 48.633 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

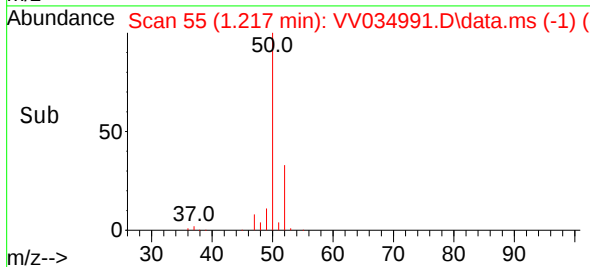
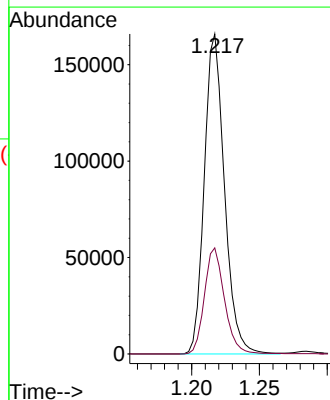
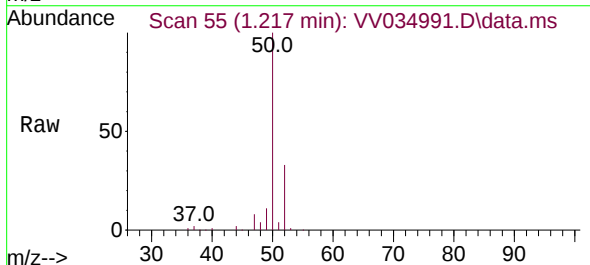
Instrument :
MSVOA_V
ClientSampleId :

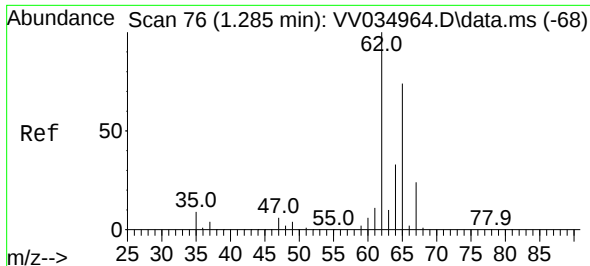
Tgt Ion: 85 Resp: 139726
Ion Ratio Lower Upper
85 100
87 32.4 25.7 38.5



#3
Chloromethane
Concen: 46.513 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

Tgt Ion: 50 Resp: 171796
Ion Ratio Lower Upper
50 100
52 33.2 23.0 42.8

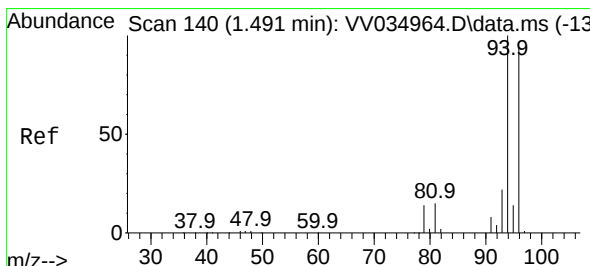
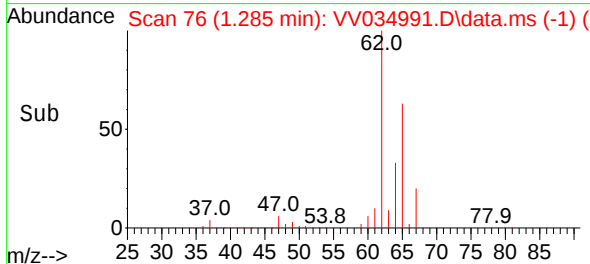
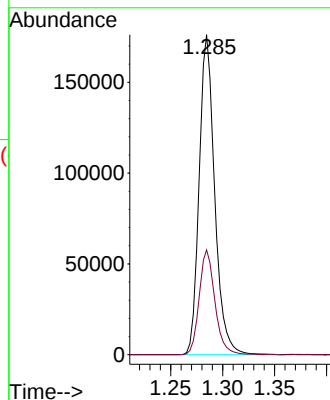
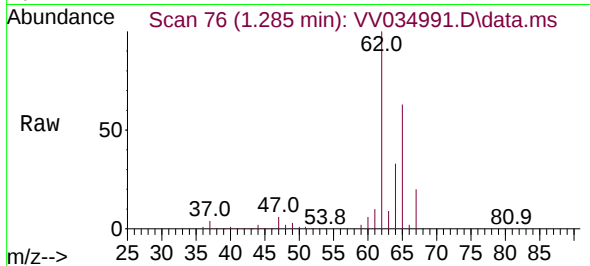




#5
 Vinyl chloride
 Concen: 47.348 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV034991.D
 Acq: 05 Apr 2024 08:54

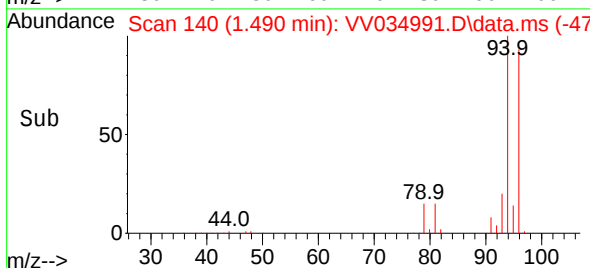
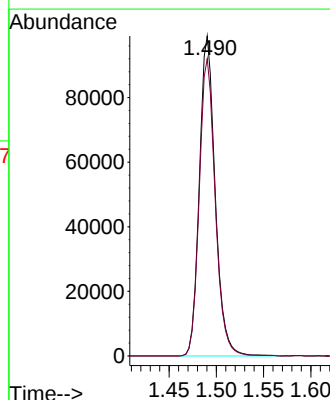
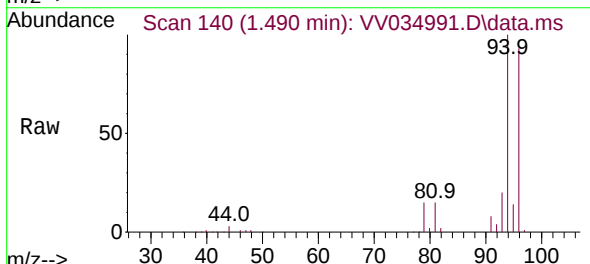
Instrument :
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 ClientSampleId :

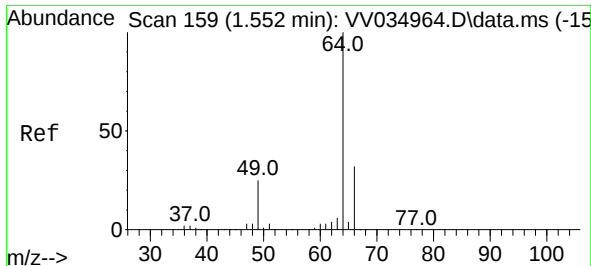
Tgt Ion: 62 Resp: 183336
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.6 43.8



#6
 Bromomethane
 Concen: 39.742 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV034991.D
 Acq: 05 Apr 2024 08:54

Tgt Ion: 94 Resp: 115350
 Ion Ratio Lower Upper
 94 100
 96 92.9 66.3 123.1

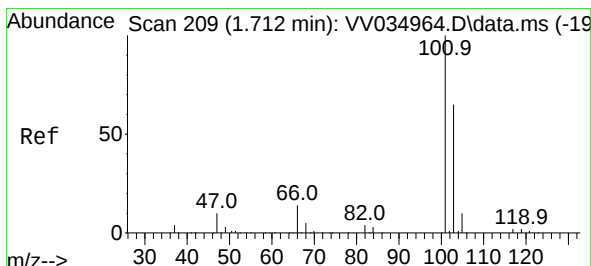
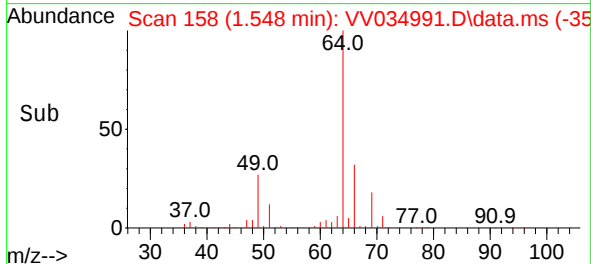
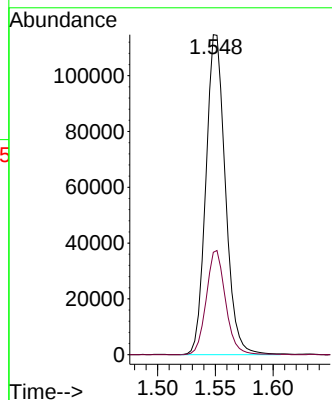
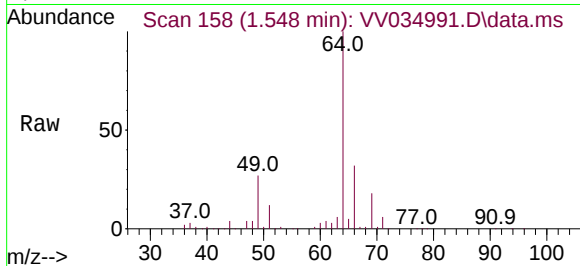




#8
Chloroethane
Concen: 50.954 ug/L
RT: 1.548 min Scan# 159
Delta R.T. -0.003 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

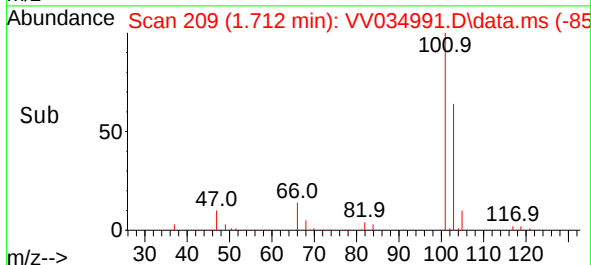
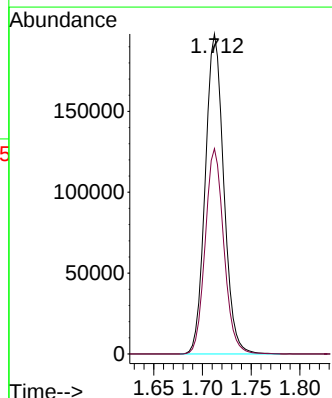
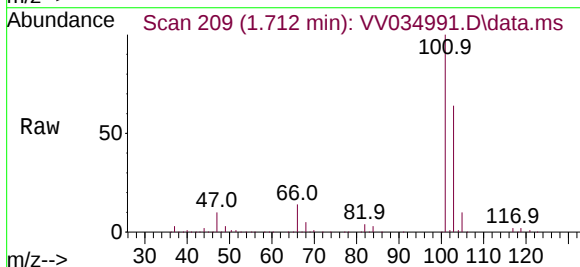
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MSVOA_V
ClientSampleId :

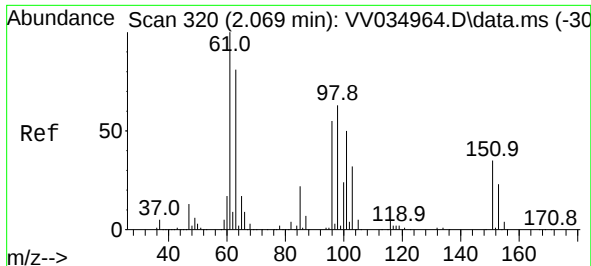
Tgt Ion: 64 Resp: 134748
Ion Ratio Lower Upper
64 100
66 32.0 23.2 43.2



#9
Trichlorofluoromethane
Concen: 51.395 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

Tgt Ion:101 Resp: 261194
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

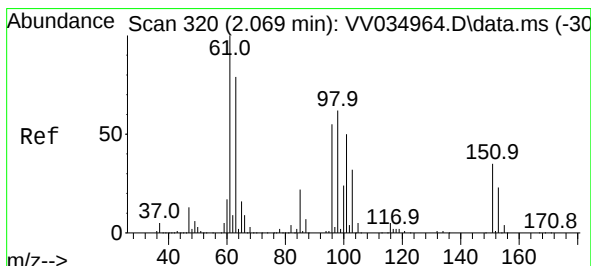
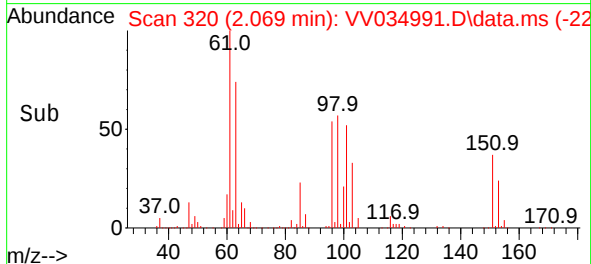
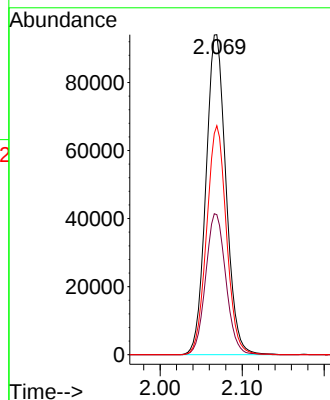
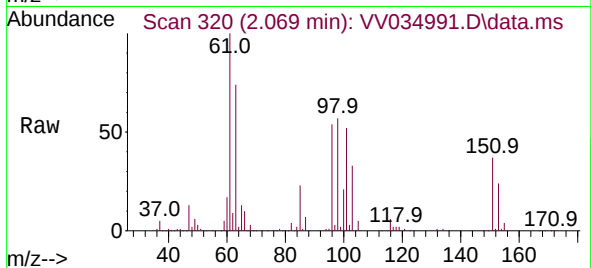




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.237 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV034991.D
 Acq: 05 Apr 2024 08:54

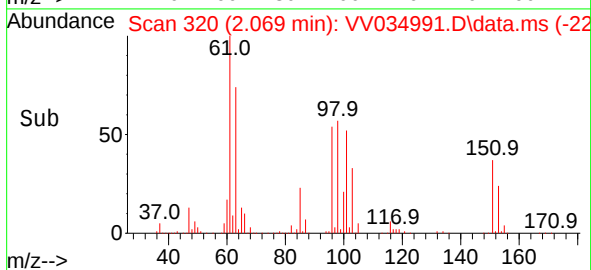
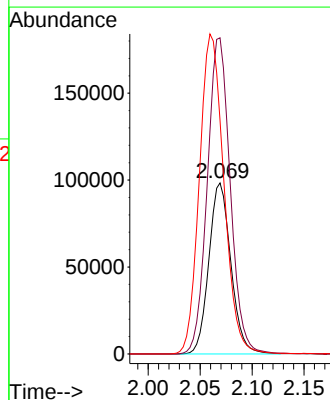
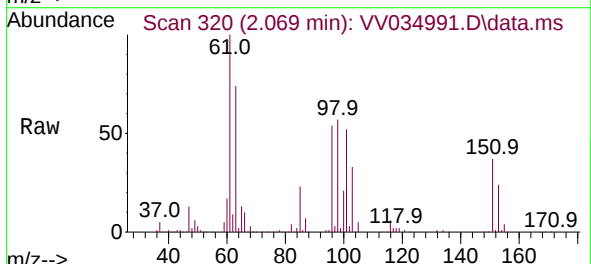
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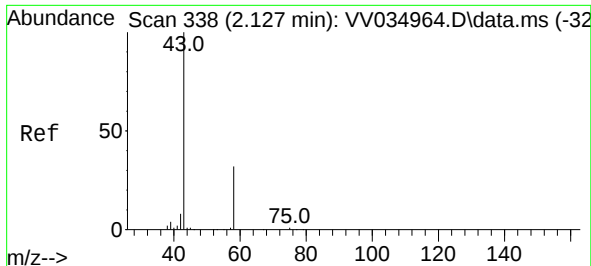
Tgt Ion:101 Resp: 159379
 Ion Ratio Lower Upper
 101 100
 85 44.5 35.3 52.9
 151 70.6 55.0 82.4



#12
 1,1-Dichloroethene
 Concen: 48.677 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV034991.D
 Acq: 05 Apr 2024 08:54

Tgt Ion: 96 Resp: 144817
 Ion Ratio Lower Upper
 96 100
 61 184.9 131.5 244.3
 63 136.5 111.4 206.8





#13

Acetone

Concen: 85.925 ug/L

RT: 2.127 min Scan# 338

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

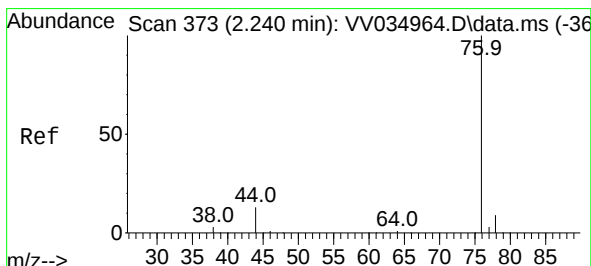
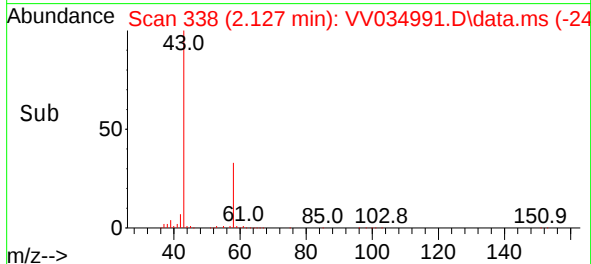
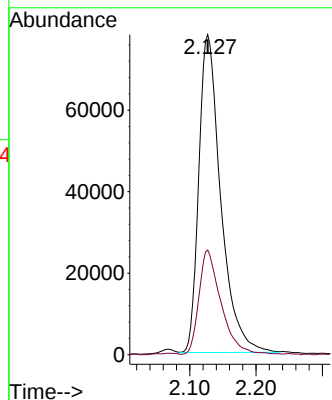
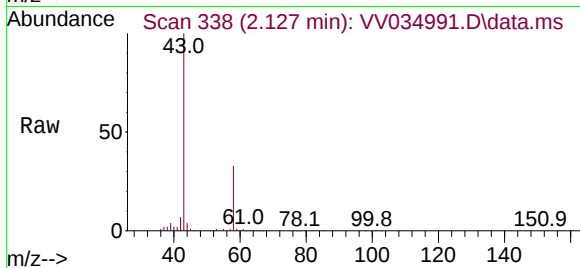
ClientSampleId :

Tgt Ion: 43 Resp: 179109

Ion Ratio Lower Upper

43 100

58 32.9 0.0 66.0



#14

Carbon disulfide

Concen: 44.980 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV034991.D

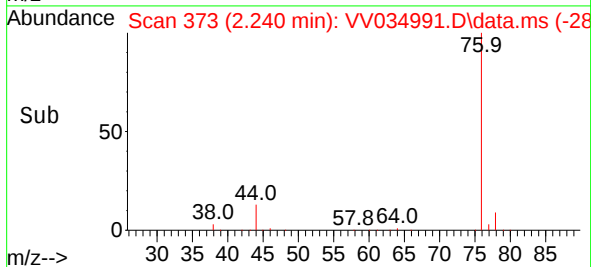
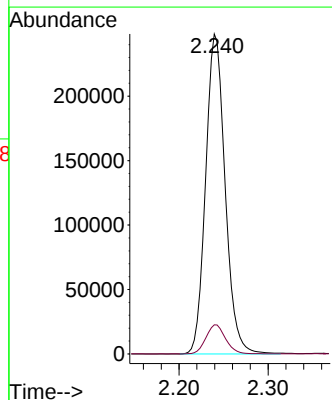
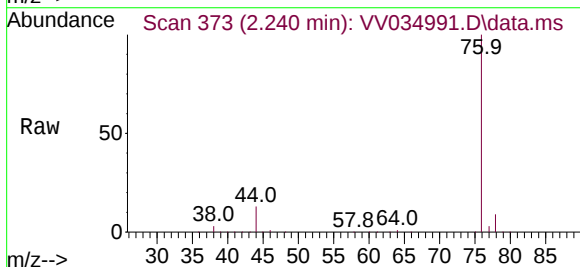
Acq: 05 Apr 2024 08:54

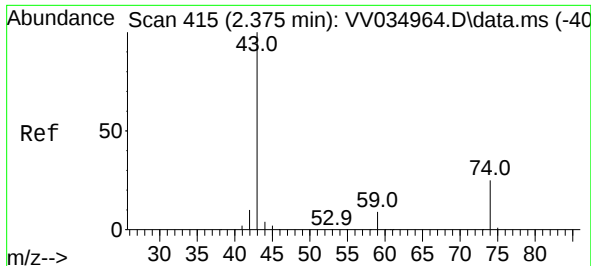
Tgt Ion: 76 Resp: 376844

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





#15

Methyl Acetate

Concen: 56.203 ug/L

RT: 2.375 min Scan# 415

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

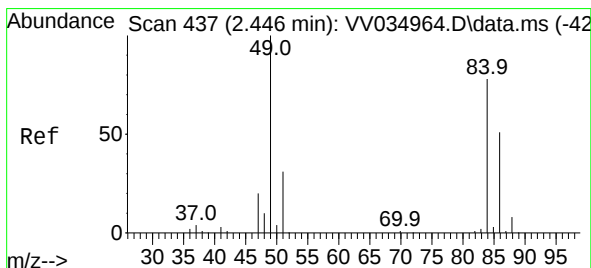
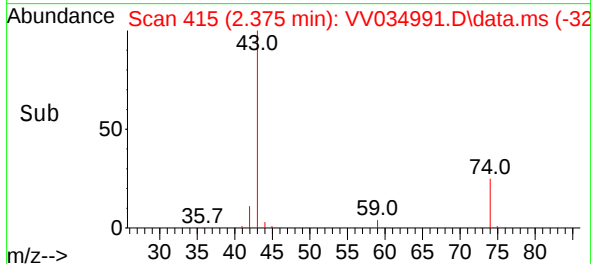
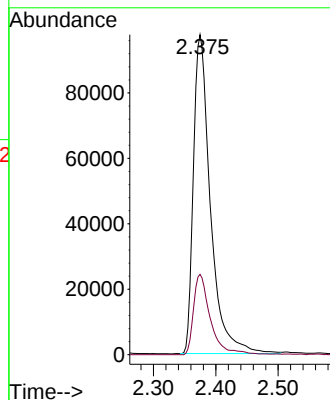
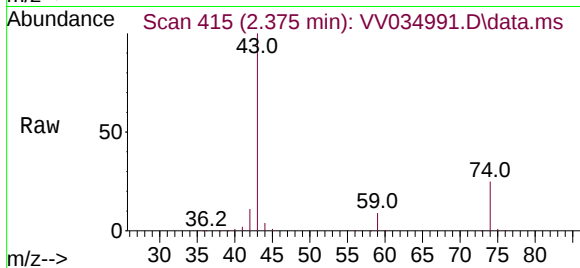
ClientSampleId :

Tgt Ion: 43 Resp: 184617

Ion Ratio Lower Upper

43 100

74 23.7 19.8 29.8



#16

Methylene chloride

Concen: 55.613 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

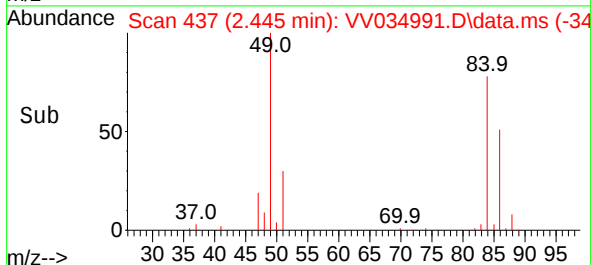
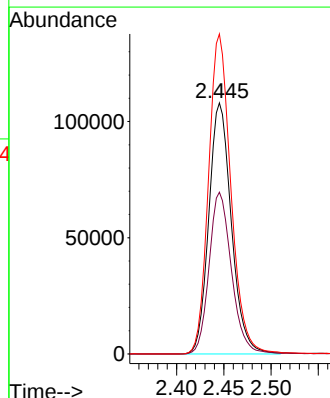
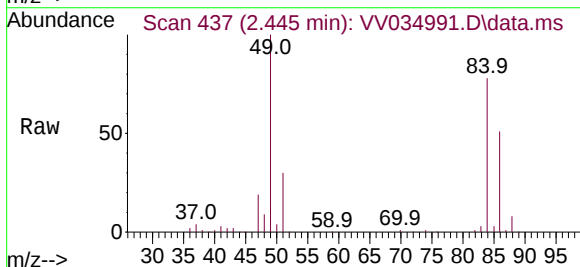
Tgt Ion: 84 Resp: 179272

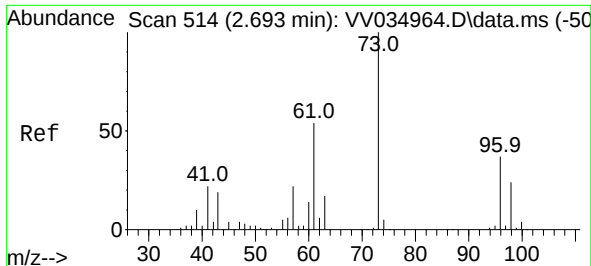
Ion Ratio Lower Upper

84 100

86 64.4 44.6 82.8

49 127.4 86.9 161.3





#17

trans-1,2-Dichloroethene

Concen: 51.012 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

ClientSampleId :

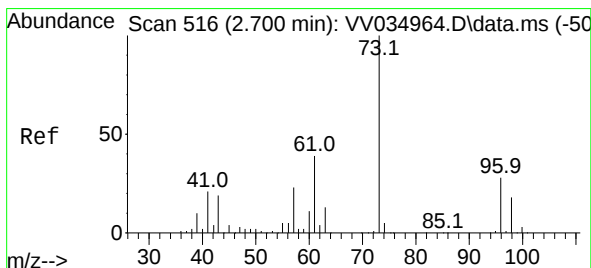
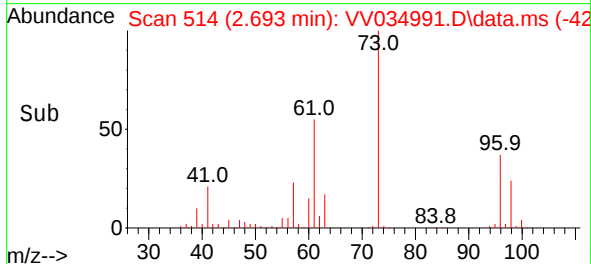
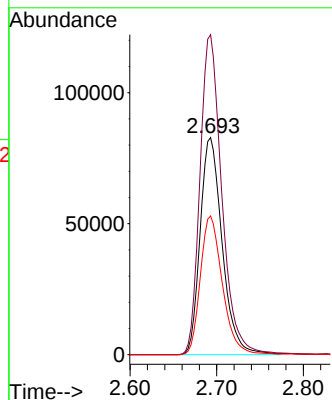
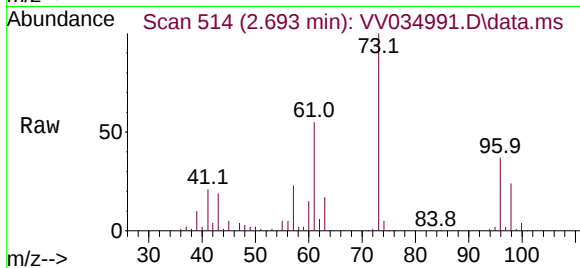
Tgt Ion: 96 Resp: 146725

Ion Ratio Lower Upper

96 100

61 147.4 99.0 183.8

98 63.8 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 53.317 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

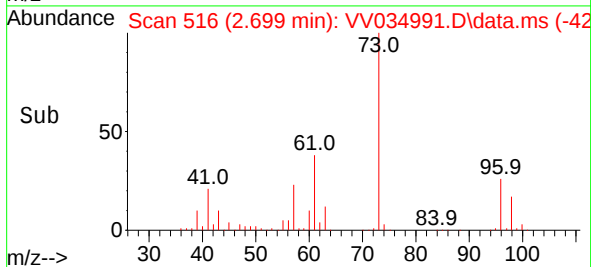
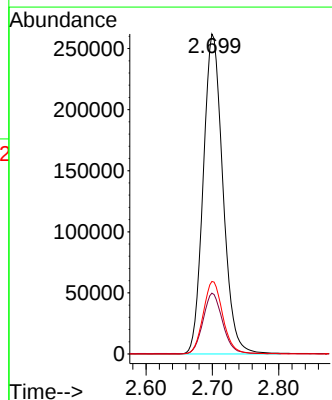
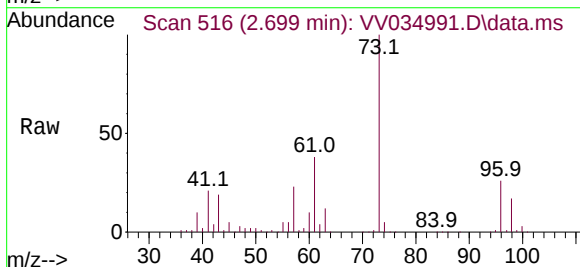
Tgt Ion: 73 Resp: 538659

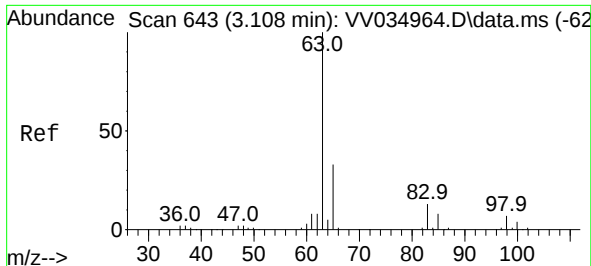
Ion Ratio Lower Upper

73 100

43 18.7 14.6 21.8

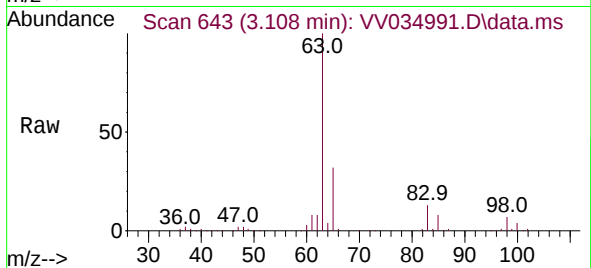
57 22.8 17.6 26.4



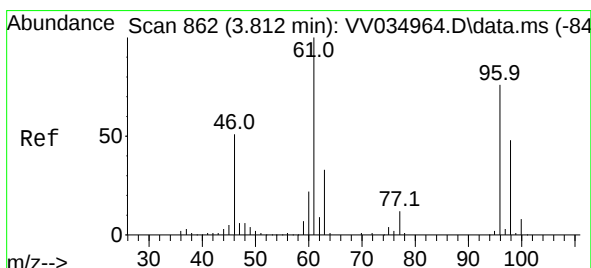
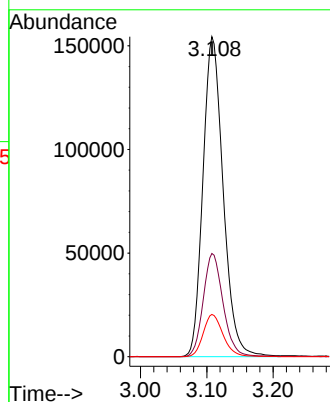
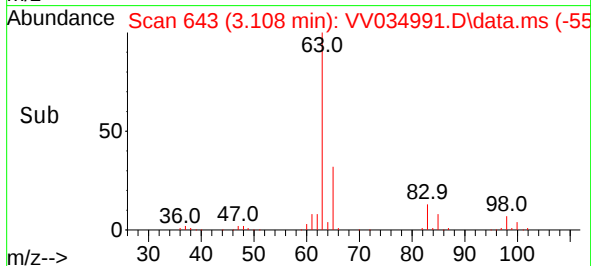


#19
1,1-Dichloroethane
Concen: 55.517 ug/L
RT: 3.108 min Scan# 643
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

Instrument :
MSVOA_V
ClientSampleId :

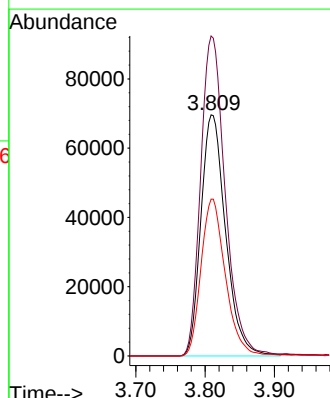
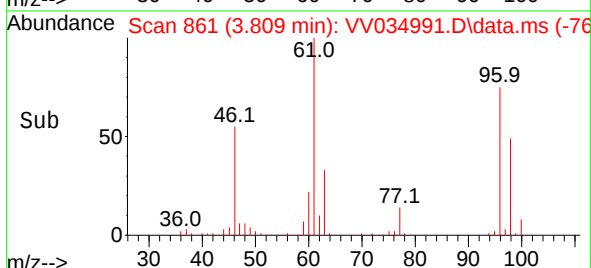
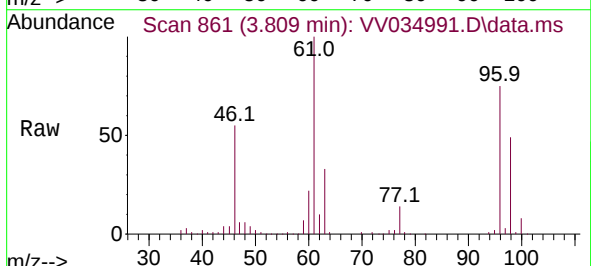


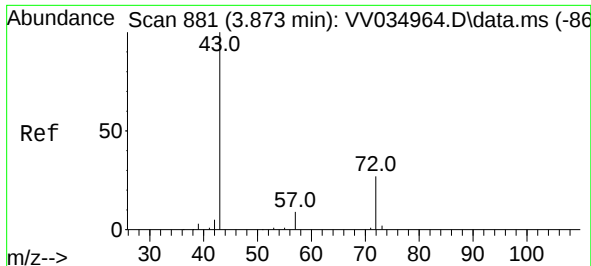
Tgt Ion: 63 Resp: 327459
Ion Ratio Lower Upper
63 100
65 32.3 23.0 42.6
83 13.2 9.1 16.9



#20
cis-1,2-Dichloroethene
Concen: 52.812 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.003 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

Tgt Ion: 96 Resp: 172495
Ion Ratio Lower Upper
96 100
61 132.7 94.9 176.3
98 65.0 45.6 84.8

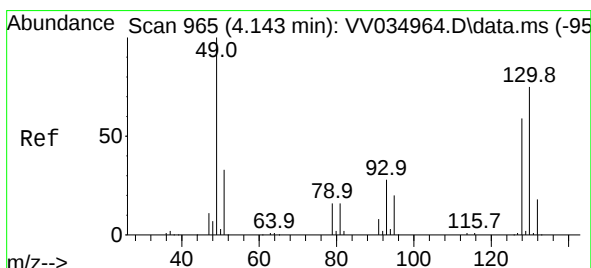
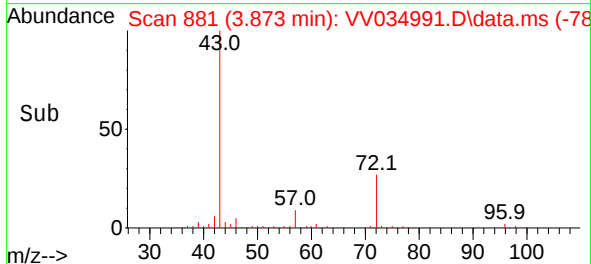
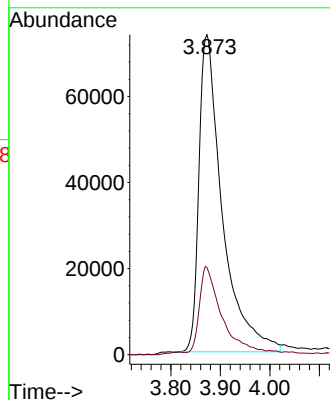
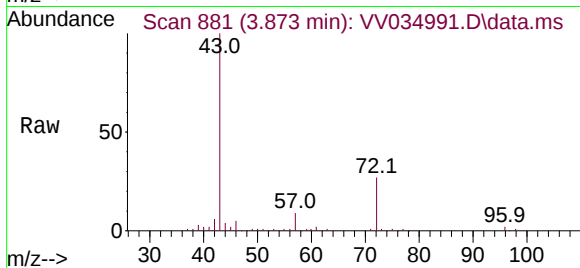




#22
2-Butanone
Concen: 99.915 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

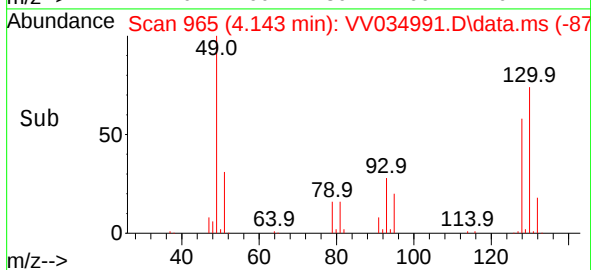
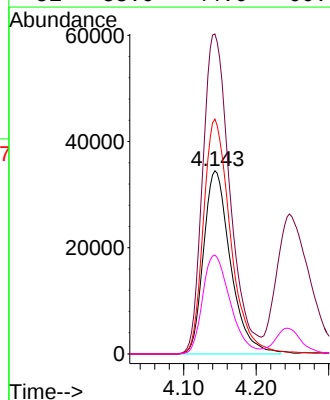
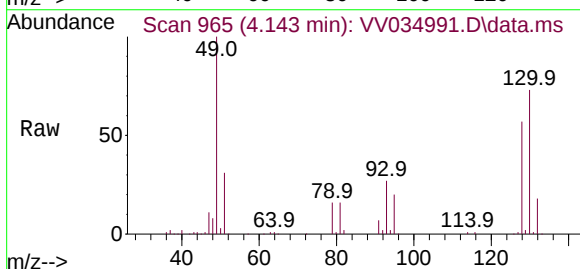
Instrument :
MSVOA_V
ClientSampleId :

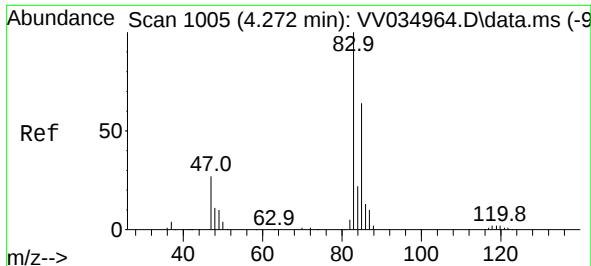
Tgt Ion: 43 Resp: 241677
Ion Ratio Lower Upper
43 100
72 25.1 13.2 39.6



#23
Bromochloromethane
Concen: 54.472 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

Tgt Ion:128 Resp: 89016
Ion Ratio Lower Upper
128 100
49 174.6 123.8 229.8
130 128.2 93.2 173.0
51 53.9 44.0 66.0





#25

Chloroform

Concen: 55.682 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

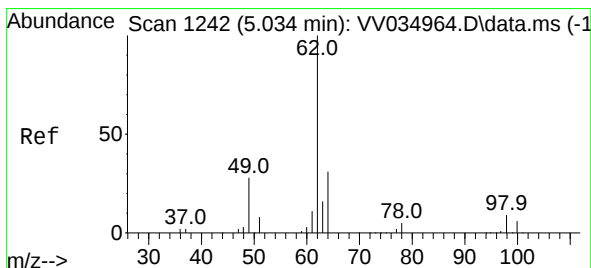
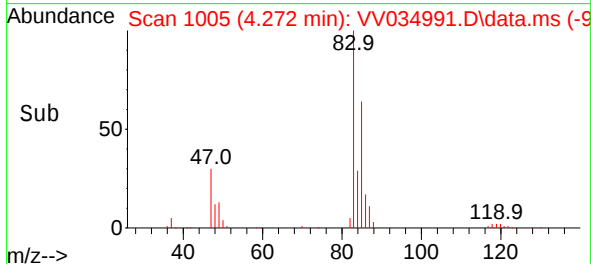
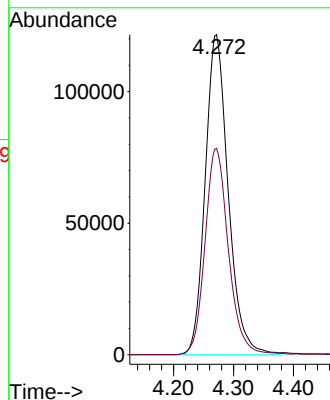
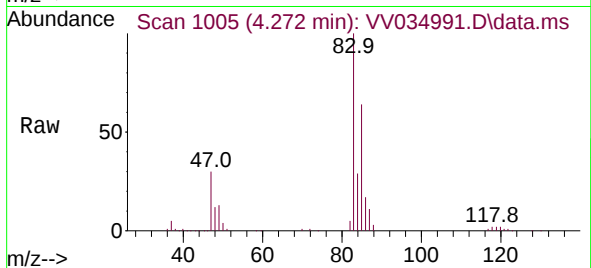
ClientSampleId :

Tgt Ion: 83 Resp: 324715

Ion Ratio Lower Upper

83 100

85 64.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 53.802 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV034991.D

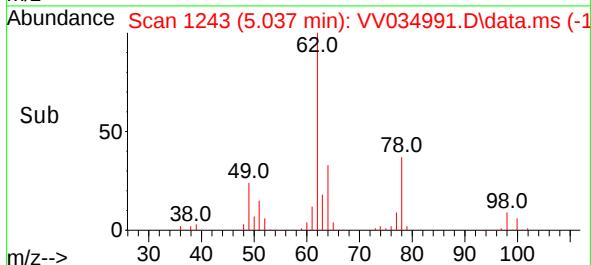
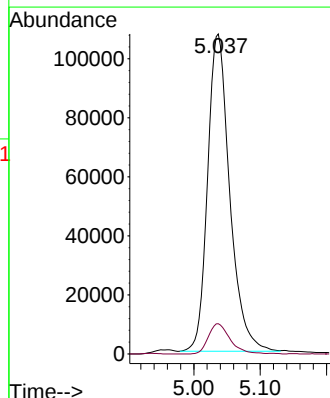
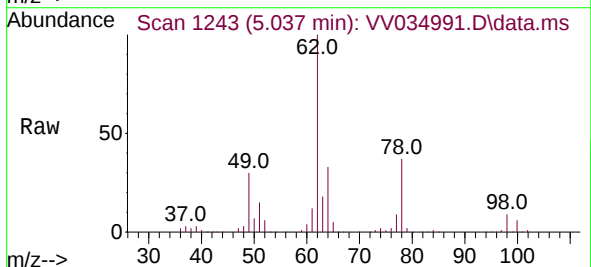
Acq: 05 Apr 2024 08:54

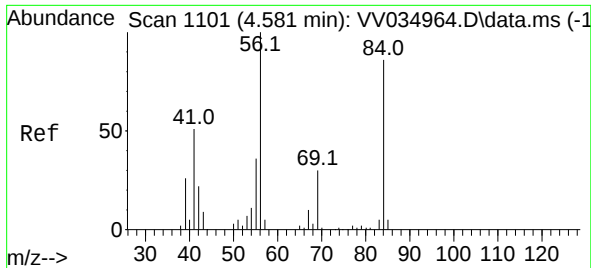
Tgt Ion: 62 Resp: 249806

Ion Ratio Lower Upper

62 100

98 9.5 7.2 10.8





#29

Cyclohexane

Concen: 49.818 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.000 min

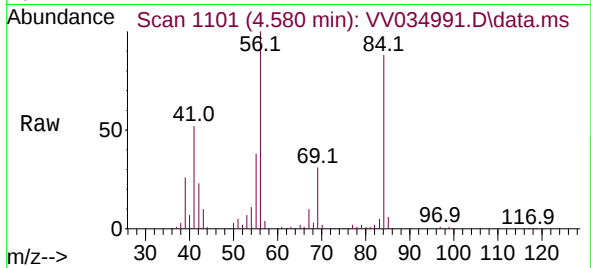
Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

ClientSampleId :



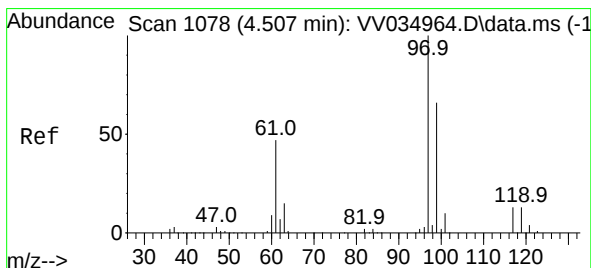
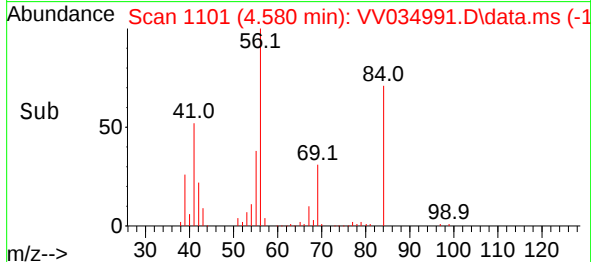
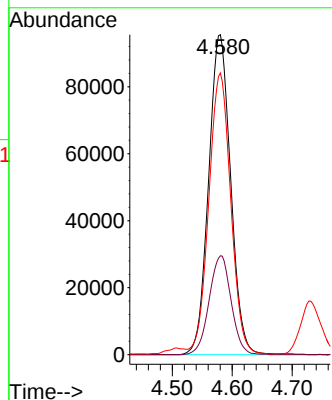
Tgt Ion: 56 Resp: 243933

Ion Ratio Lower Upper

56 100

69 30.8 24.2 36.2

84 87.0 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 52.660 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

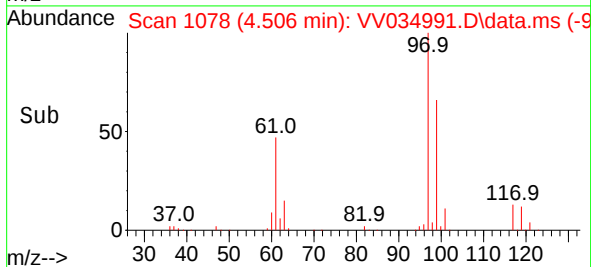
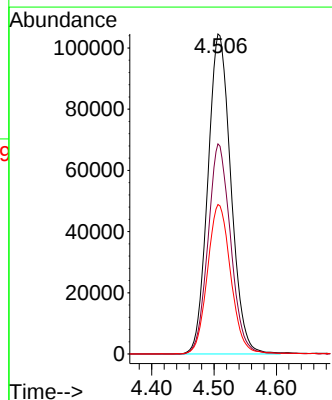
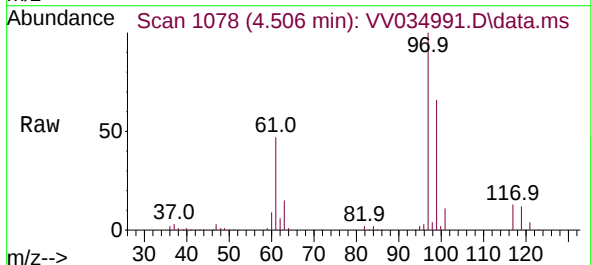
Tgt Ion: 97 Resp: 268349

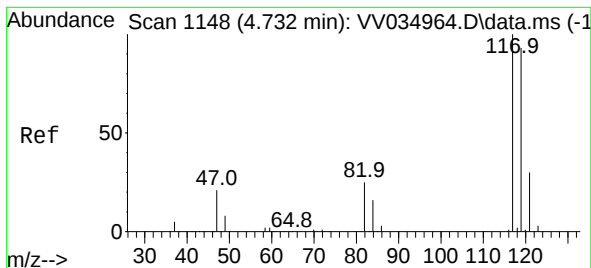
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 47.0 36.8 55.2





#31

Carbon tetrachloride

Concen: 53.350 ug/L

RT: 4.731 min Scan# 1148

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

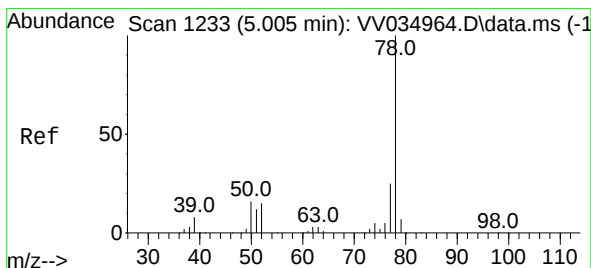
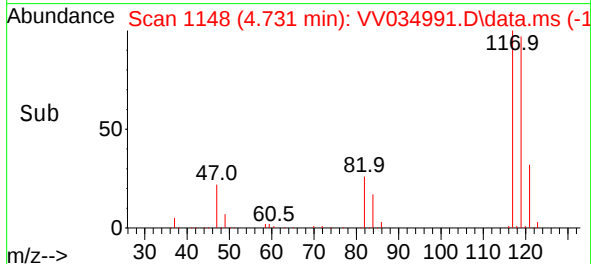
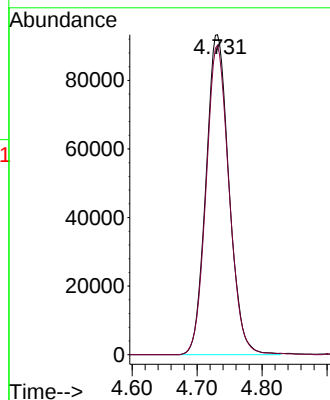
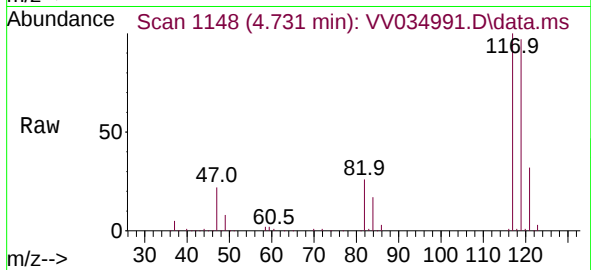
ClientSampleId :

Tgt Ion:117 Resp: 230427

Ion Ratio Lower Upper

117 100

119 96.4 77.1 115.7



#33

Benzene

Concen: 52.316 ug/L

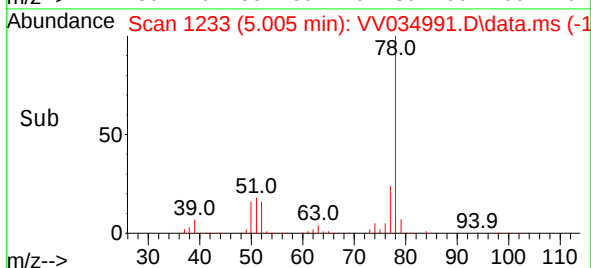
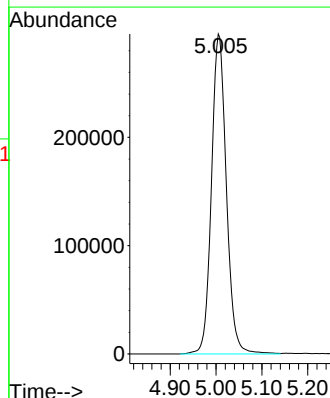
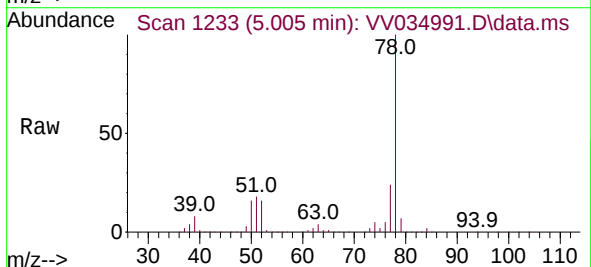
RT: 5.005 min Scan# 1233

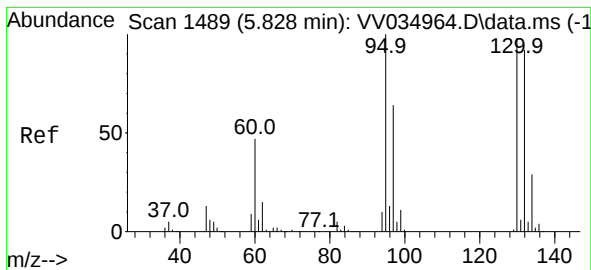
Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Tgt Ion: 78 Resp: 666922





#34

Trichloroethene

Concen: 51.682 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 177804

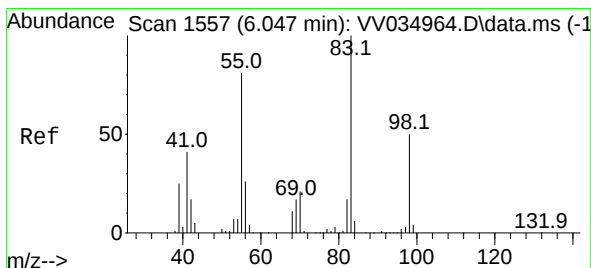
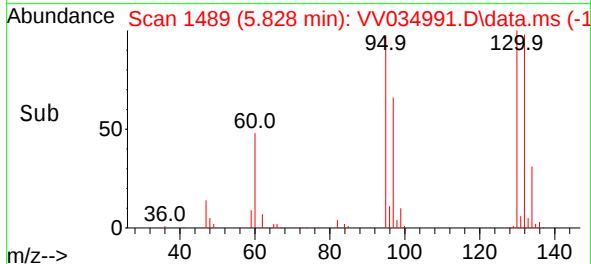
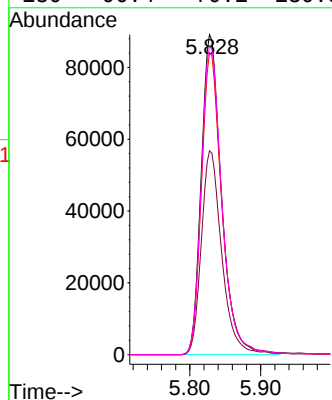
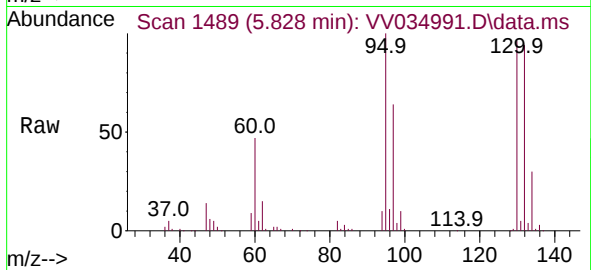
Ion Ratio Lower Upper

95 100

97 63.7 45.3 84.1

132 94.3 65.3 121.3

130 96.4 70.1 130.3



#35

Methylcyclohexane

Concen: 49.536 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

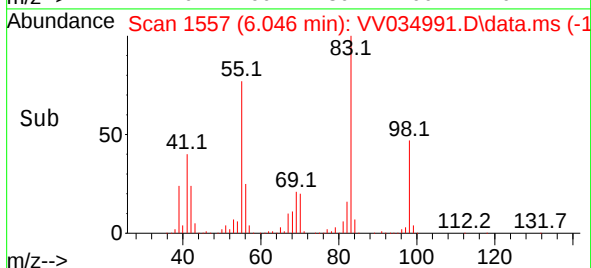
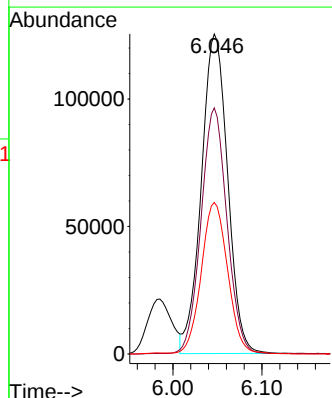
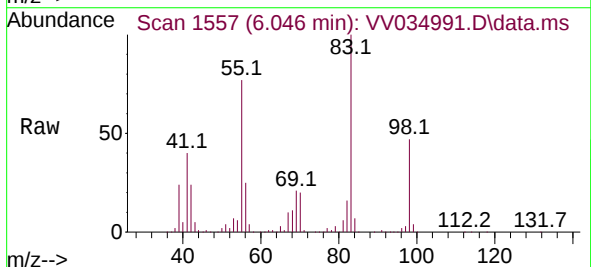
Tgt Ion: 83 Resp: 257377

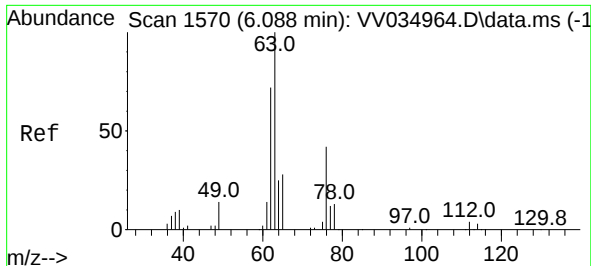
Ion Ratio Lower Upper

83 100

55 75.7 60.0 90.0

98 47.7 37.6 56.4





#37

1,2-Dichloropropane

Concen: 53.580 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

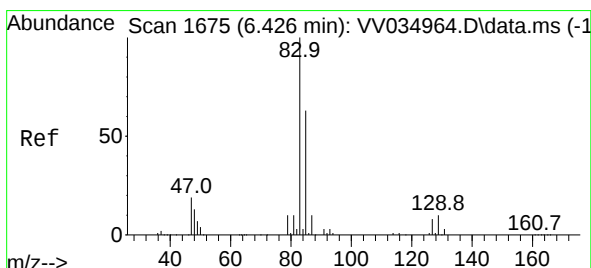
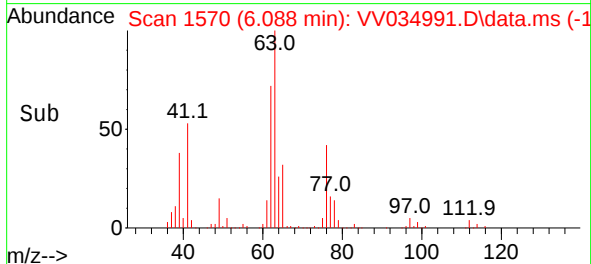
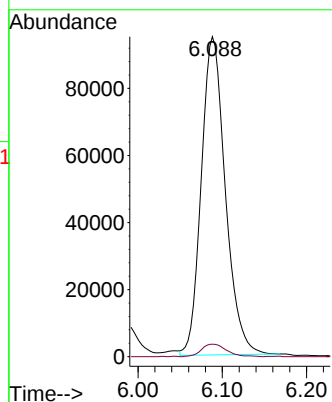
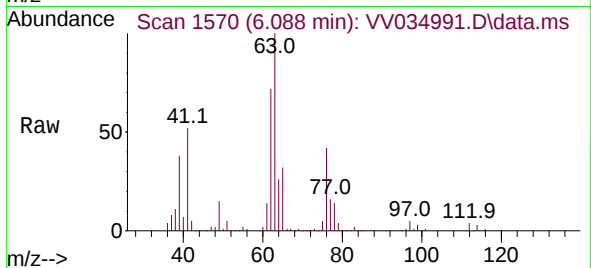
ClientSampleId :

Tgt Ion: 63 Resp: 188760

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 53.700 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

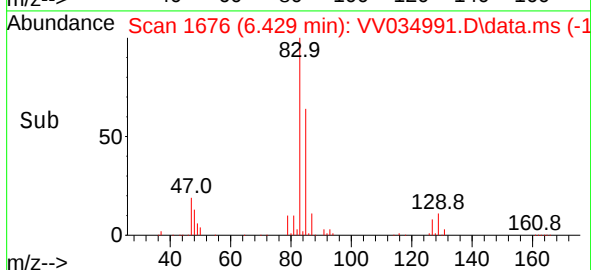
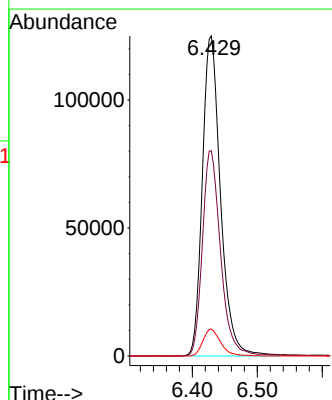
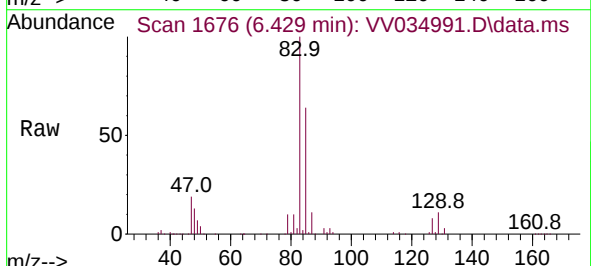
Tgt Ion: 83 Resp: 244090

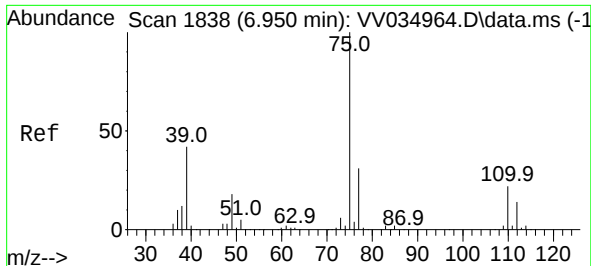
Ion Ratio Lower Upper

83 100

85 64.1 43.7 81.1

127 8.4 6.4 9.6

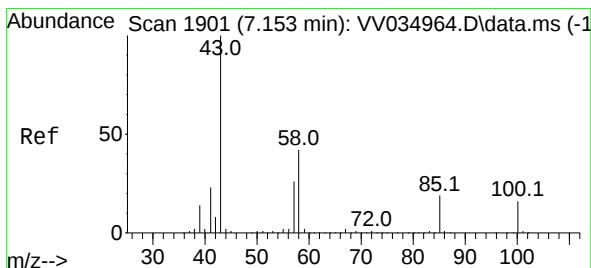
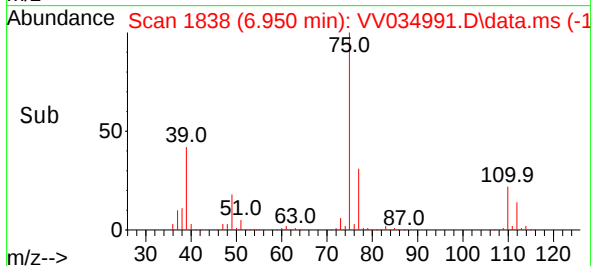
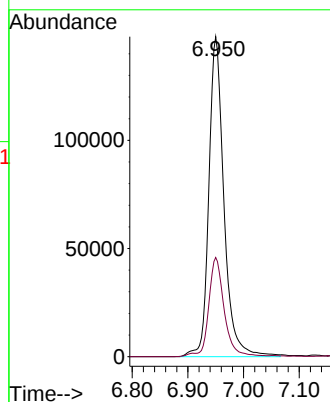
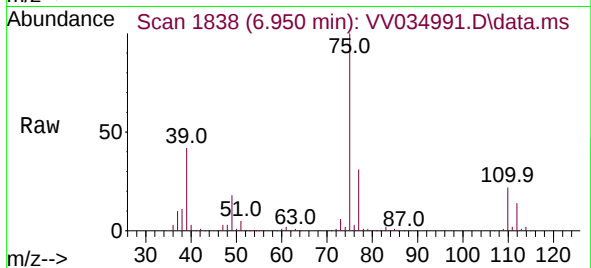




#39
 cis-1,3-Dichloropropene
 Concen: 50.239 ug/L
 RT: 6.950 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VV034991.D
 Acq: 05 Apr 2024 08:54

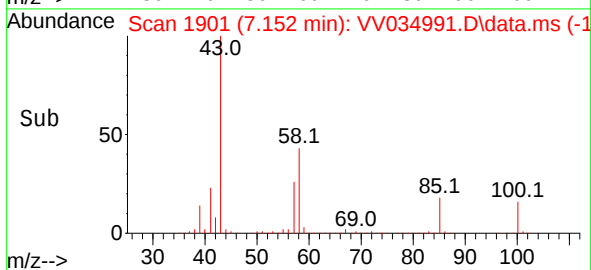
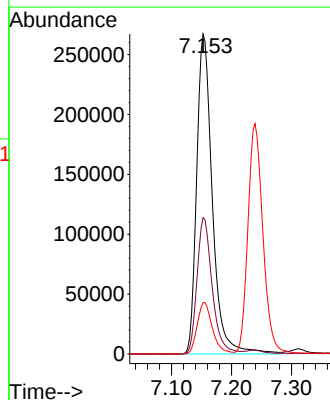
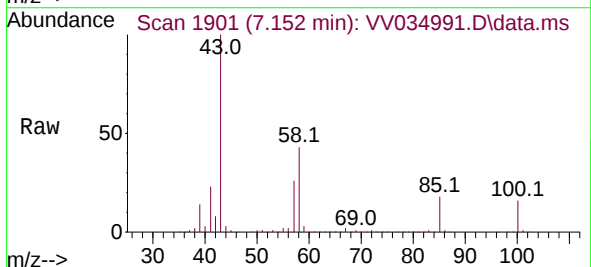
Instrument :
 MSVOA_V
 ClientSampleId :

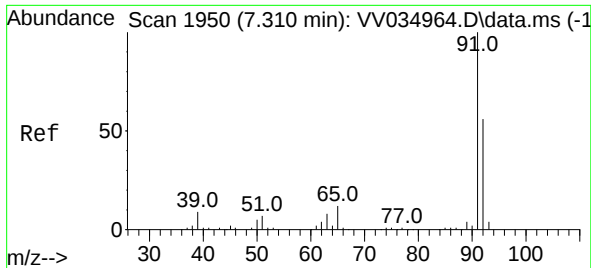
Tgt Ion: 75 Resp: 278814
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 108.240 ug/L
 RT: 7.152 min Scan# 1901
 Delta R.T. -0.000 min
 Lab File: VV034991.D
 Acq: 05 Apr 2024 08:54

Tgt Ion: 43 Resp: 486857
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.8 50.8
 100 15.6 13.0 19.4





#42

Toluene

Concen: 53.073 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

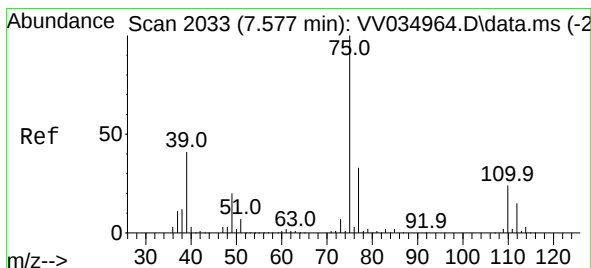
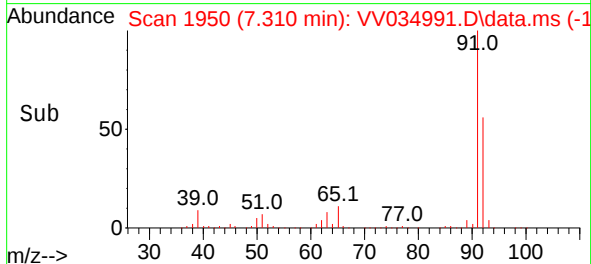
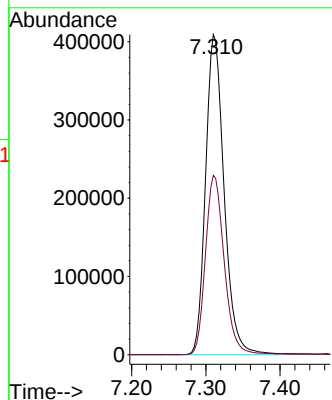
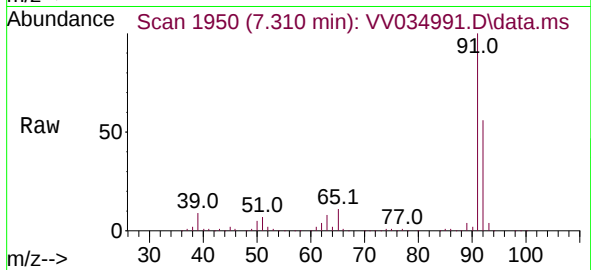
ClientSampleId :

Tgt Ion: 91 Resp: 708328

Ion Ratio Lower Upper

91 100

92 56.1 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 51.171 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV034991.D

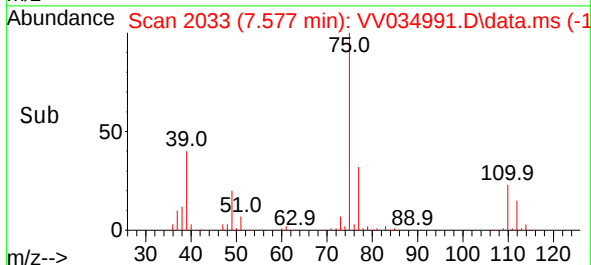
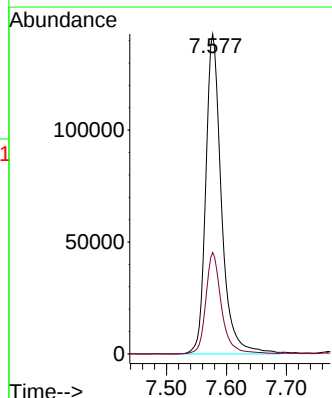
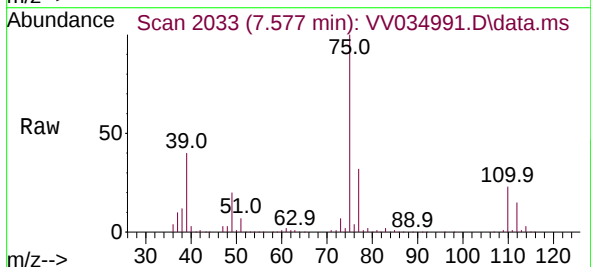
Acq: 05 Apr 2024 08:54

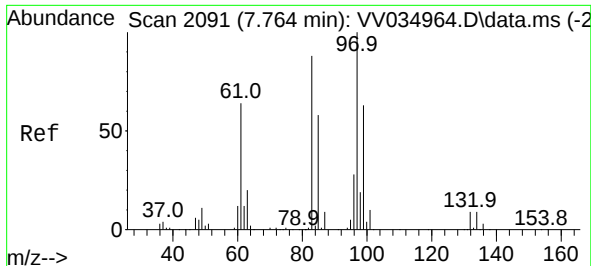
Tgt Ion: 75 Resp: 260901

Ion Ratio Lower Upper

75 100

77 31.7 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 54.721 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 181703

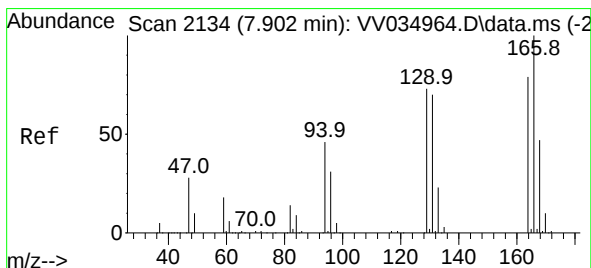
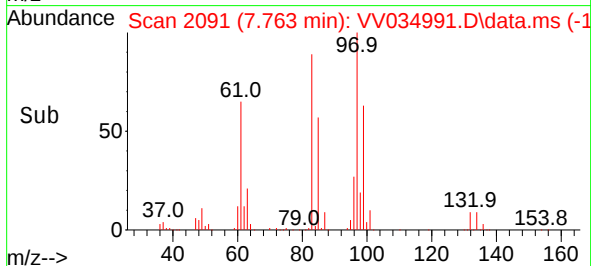
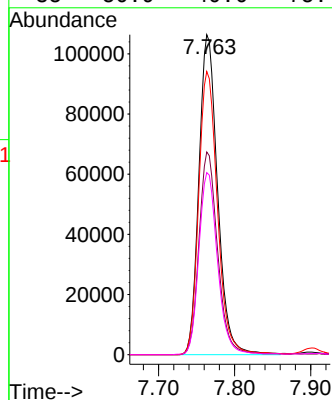
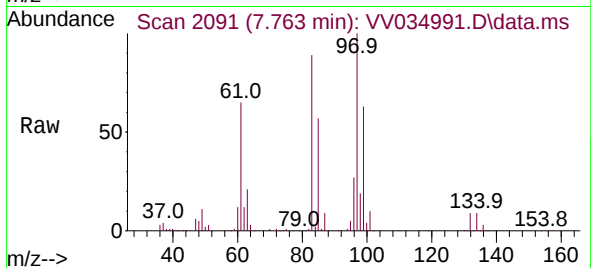
Ion Ratio Lower Upper

97 100

99 63.4 43.3 80.3

83 88.5 61.6 114.4

85 56.9 40.6 75.4



#46

Tetrachloroethene

Concen: 53.345 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Tgt Ion:164 Resp: 128218

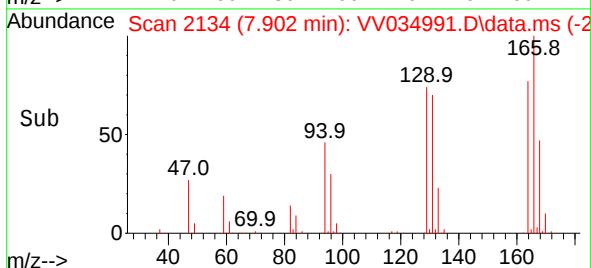
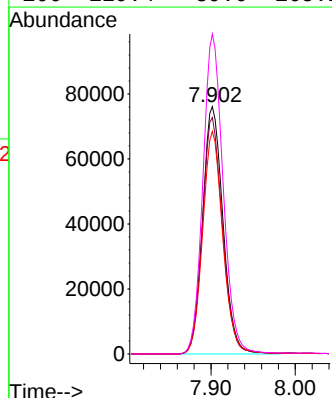
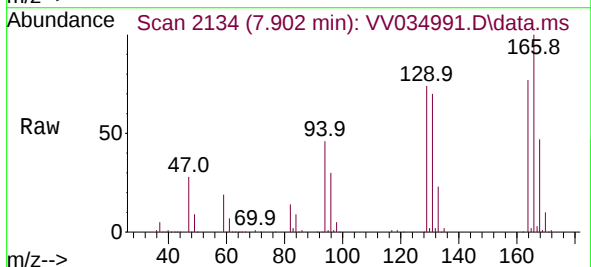
Ion Ratio Lower Upper

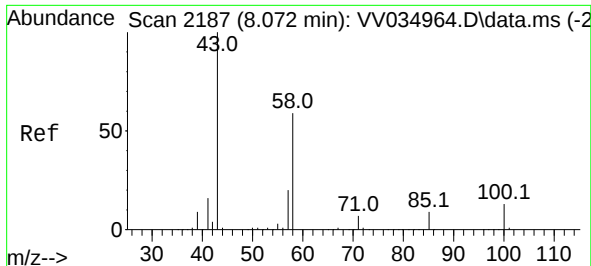
164 100

129 95.6 68.6 127.4

131 90.0 65.7 122.1

166 129.4 89.0 165.2

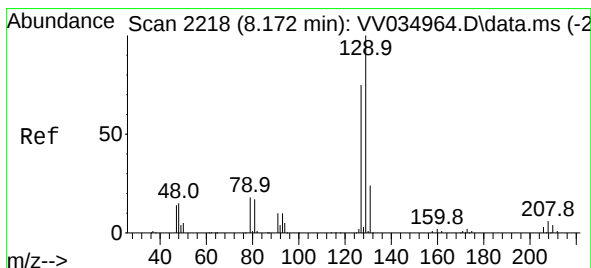
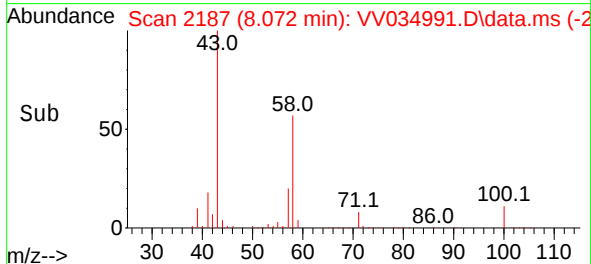
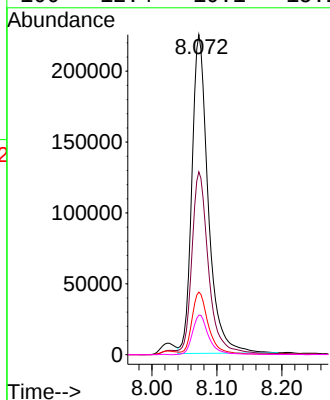
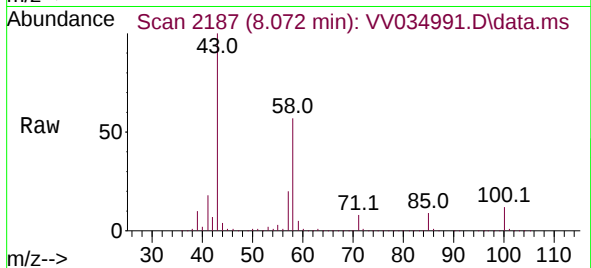




#48
2-Hexanone
Concen: 103.125 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

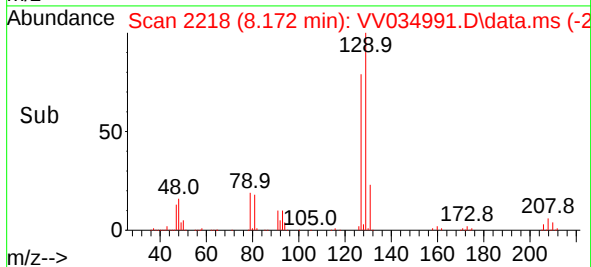
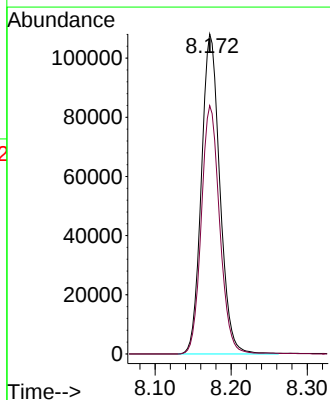
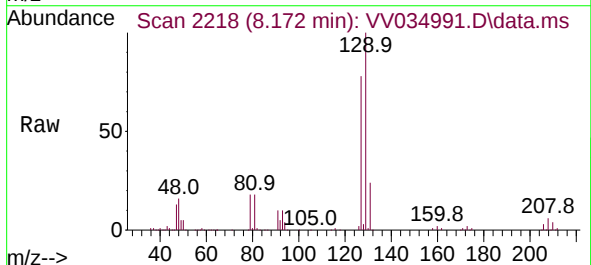
Instrument :
MSVOA_V
ClientSampleId :

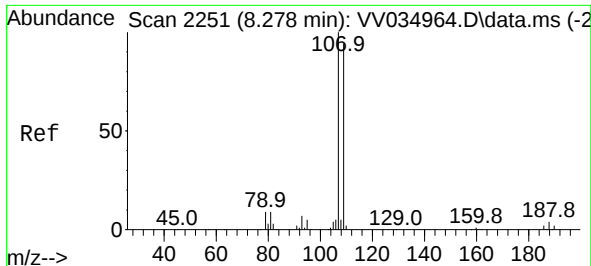
Tgt Ion: 43 Resp: 394510
Ion Ratio Lower Upper
43 100
58 57.5 45.4 68.2
57 19.5 16.2 24.4
100 12.4 10.1 15.1



#49
Dibromochloromethane
Concen: 55.468 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

Tgt Ion: 129 Resp: 182420
Ion Ratio Lower Upper
129 100
127 77.6 54.1 100.5





#50

1,2-Dibromoethane

Concen: 52.678 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

ClientSampleId :

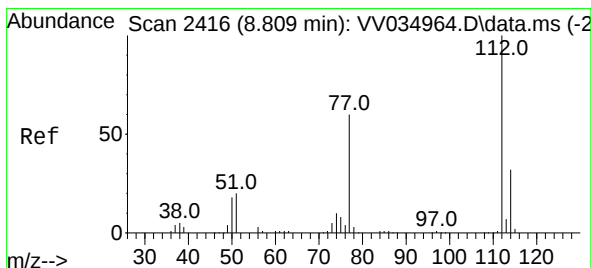
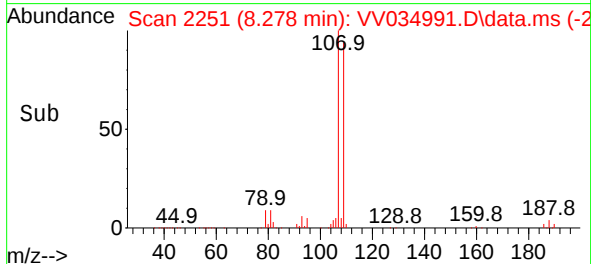
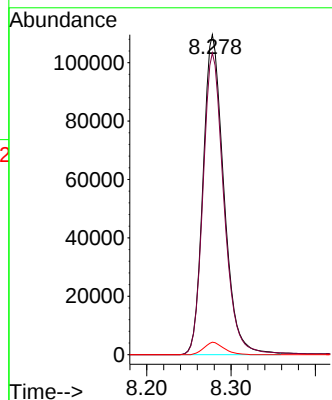
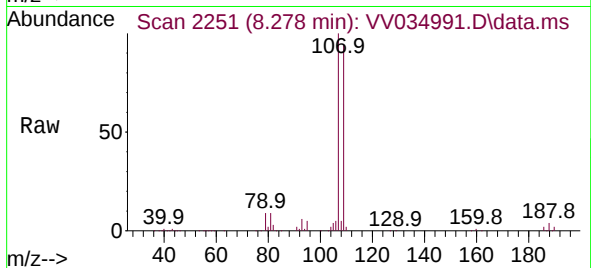
Tgt Ion:107 Resp: 188320

Ion Ratio Lower Upper

107 100

109 94.3 64.5 119.9

188 3.9 2.8 4.2



#51

Chlorobenzene

Concen: 52.764 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

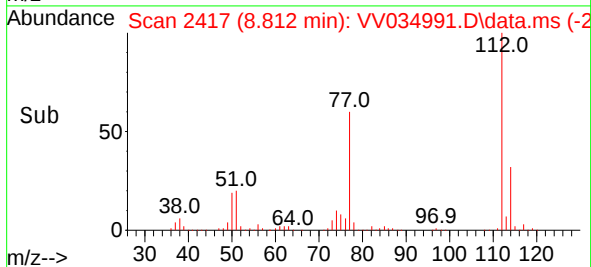
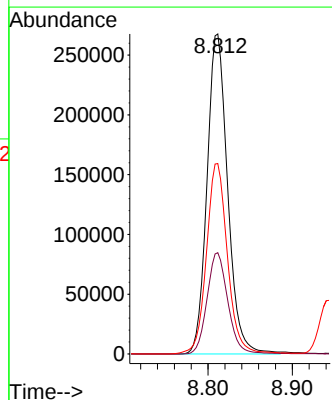
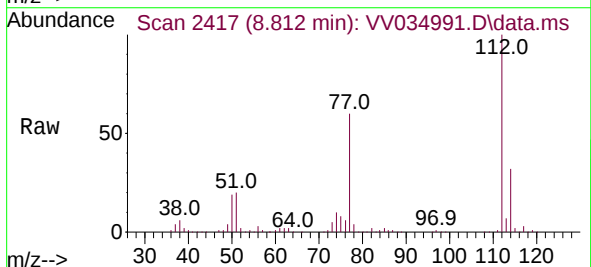
Tgt Ion:112 Resp: 456404

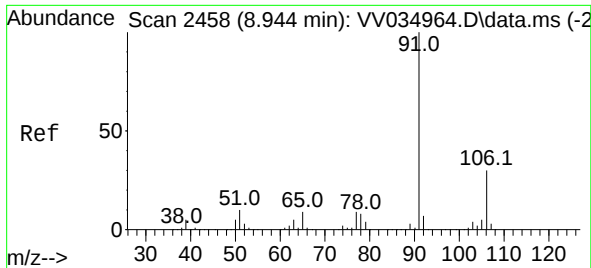
Ion Ratio Lower Upper

112 100

114 31.7 22.0 41.0

77 59.5 47.4 71.2

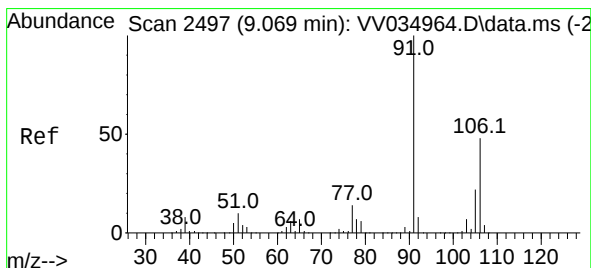
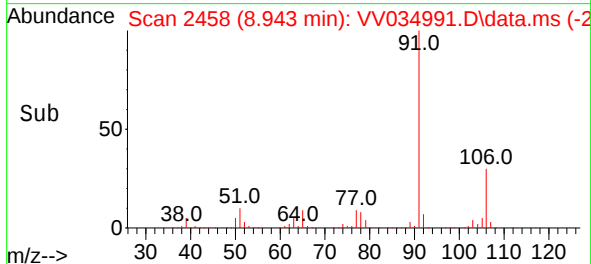
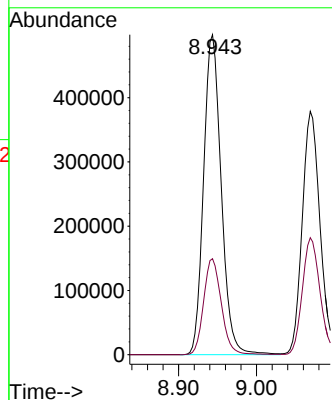
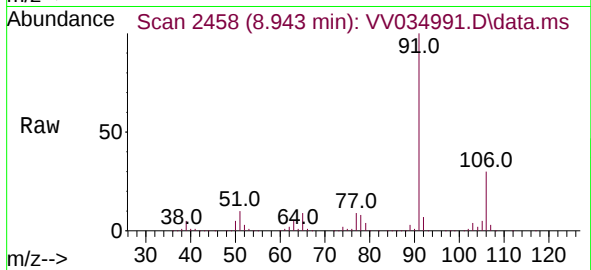




#52
Ethylbenzene
Concen: 52.895 ug/L
RT: 8.943 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

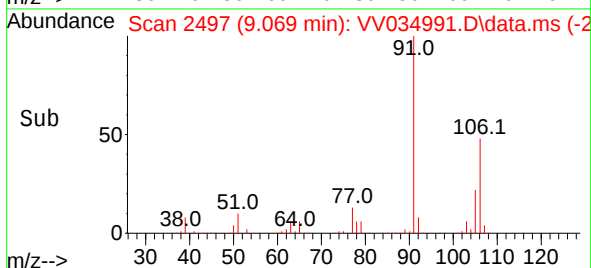
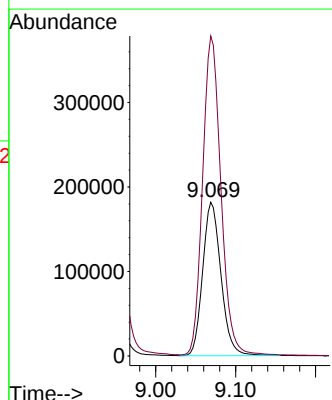
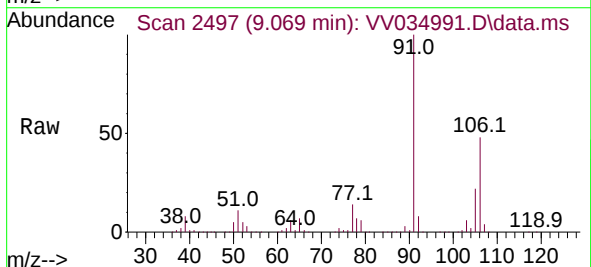
Instrument :
MSVOA_V
ClientSampleId :

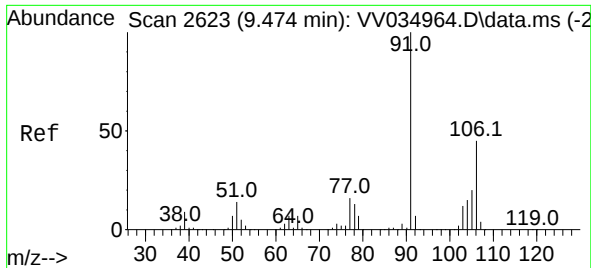
Tgt Ion: 91 Resp: 782390
Ion Ratio Lower Upper
91 100
106 30.0 21.3 39.5



#53
m,p-Xylene
Concen: 53.171 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

Tgt Ion: 106 Resp: 289631
Ion Ratio Lower Upper
106 100
91 208.1 144.8 269.0

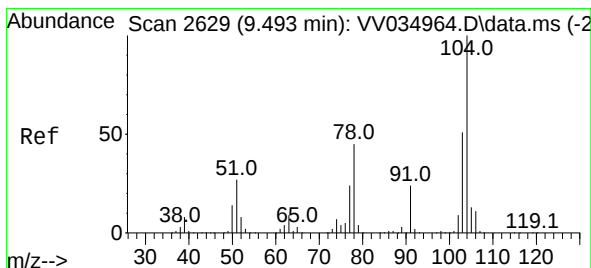
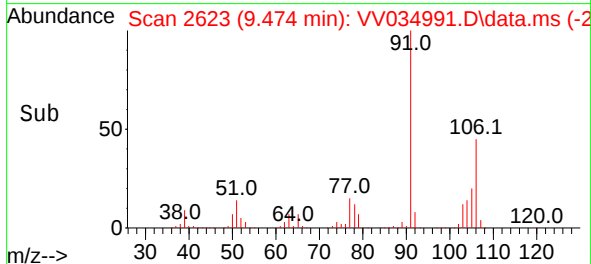
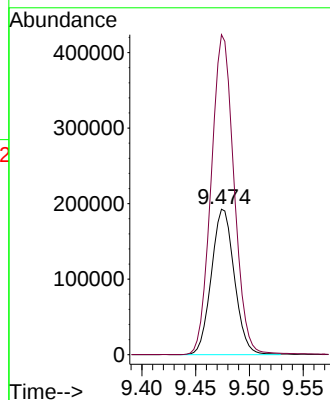
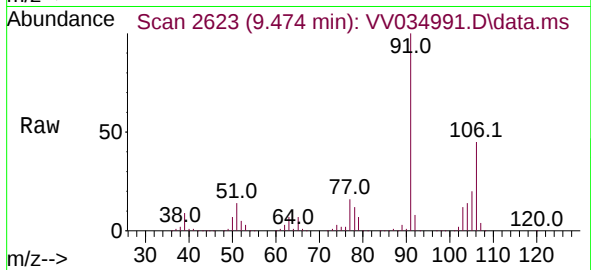




#54
o-Xylene
Concen: 53.182 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

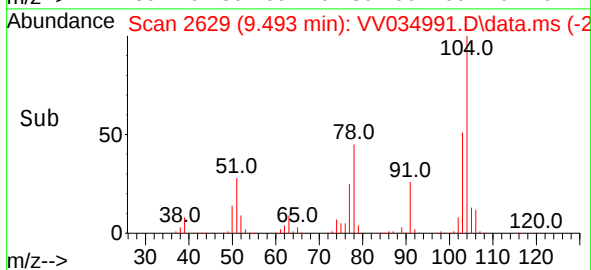
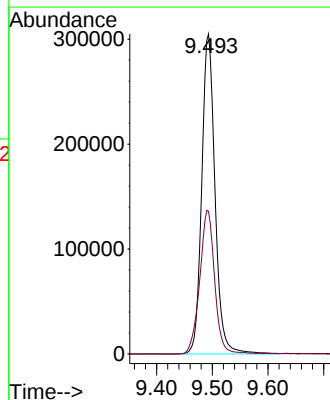
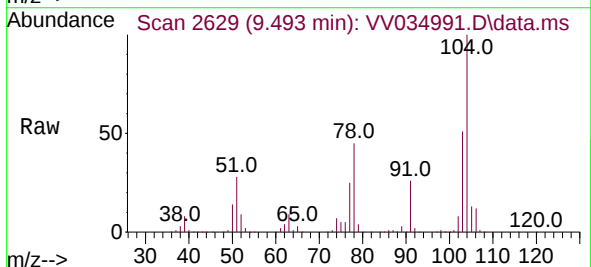
Instrument :
MSVOA_V
ClientSampleId :

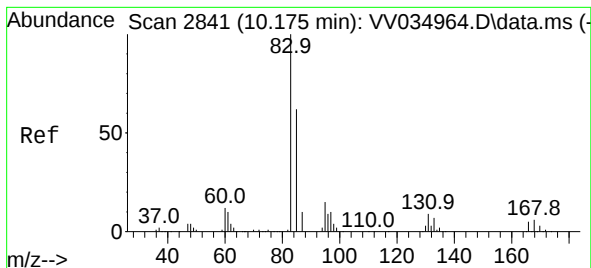
Tgt Ion:106 Resp: 286634
Ion Ratio Lower Upper
106 100
91 219.9 151.3 280.9



#55
Styrene
Concen: 55.629 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

Tgt Ion:104 Resp: 506662
Ion Ratio Lower Upper
104 100
78 44.6 31.5 58.5





#57

1,1,2,2-Tetrachloroethane

Concen: 53.399 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

ClientSampleId :

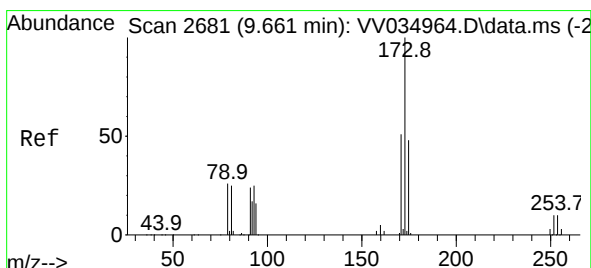
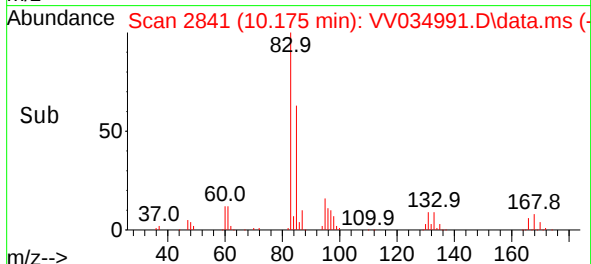
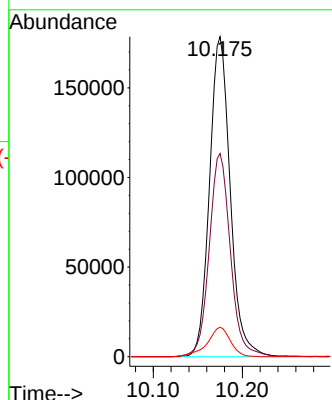
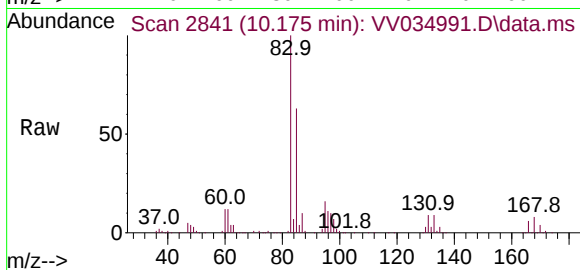
Tgt Ion: 83 Resp: 287288

Ion Ratio Lower Upper

83 100

85 63.5 44.5 82.7

131 9.2 6.9 10.3



#59

Bromoform

Concen: 58.221 ug/L

RT: 9.660 min Scan# 2681

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

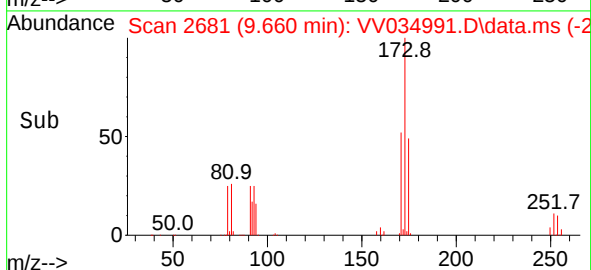
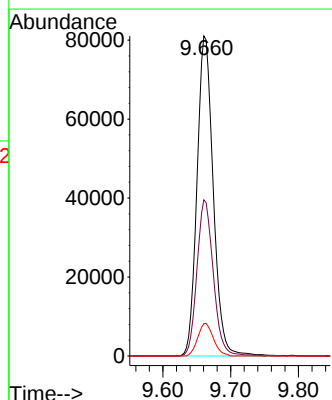
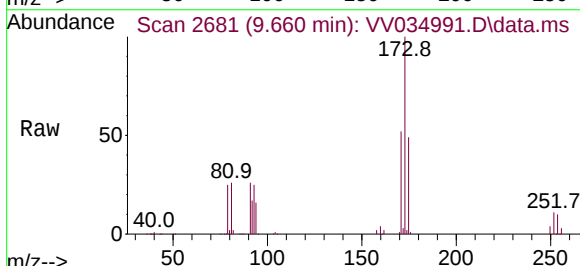
Tgt Ion: 173 Resp: 134973

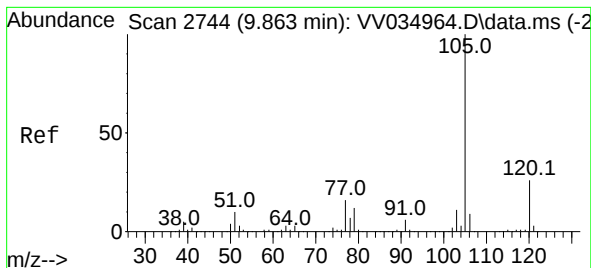
Ion Ratio Lower Upper

173 100

175 48.8 39.3 58.9

254 9.8 7.5 11.3





#60

Isopropylbenzene

Concen: 53.691 ug/L

RT: 9.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

ClientSampleId :

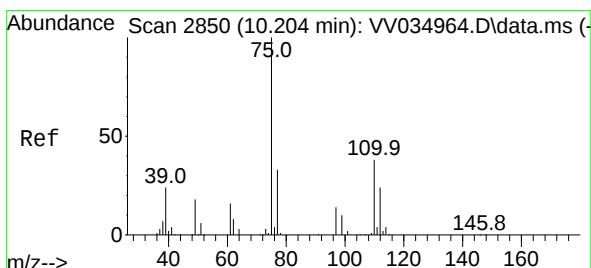
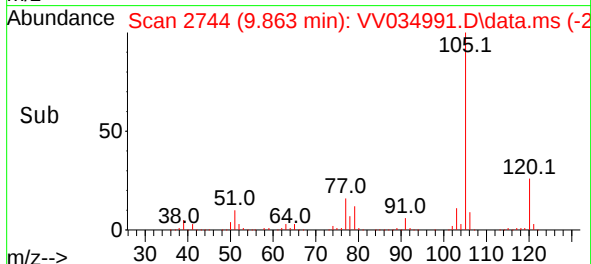
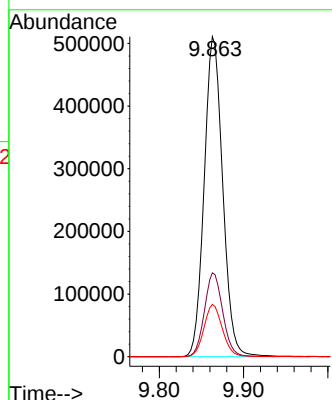
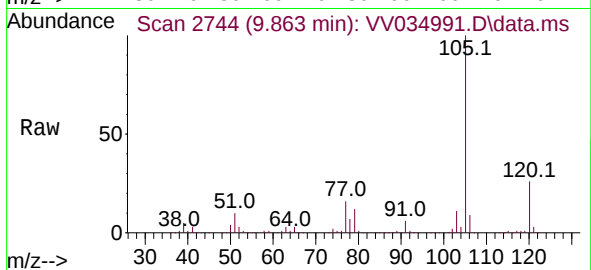
Tgt Ion:105 Resp: 783022

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

77 16.2 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 54.168 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

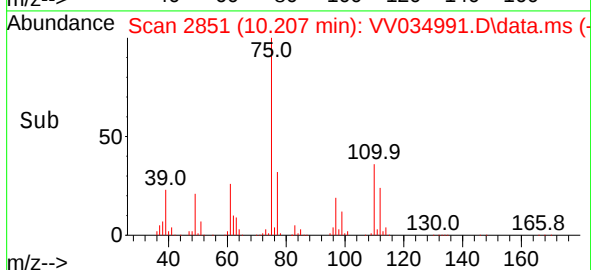
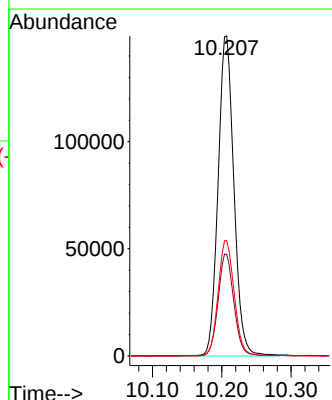
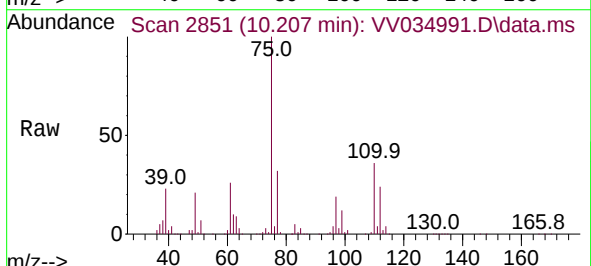
Tgt Ion: 75 Resp: 237456

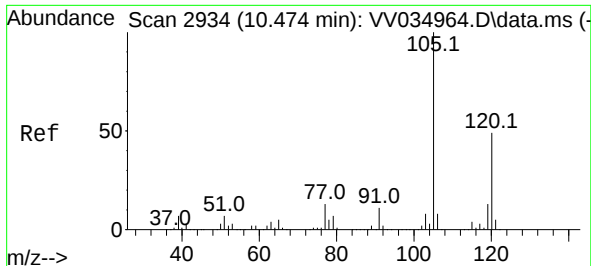
Ion Ratio Lower Upper

75 100

77 31.3 26.0 39.0

110 36.6 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 53.754 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

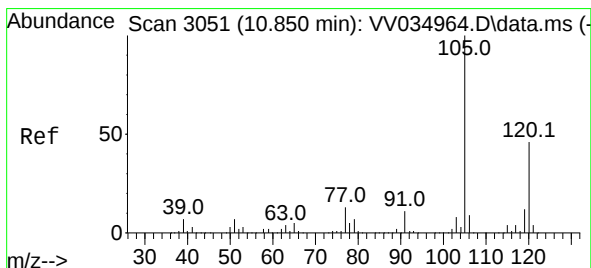
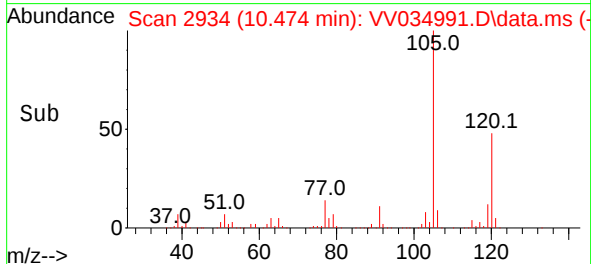
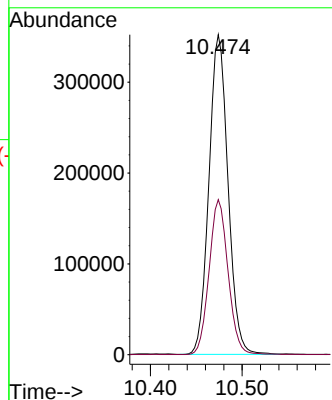
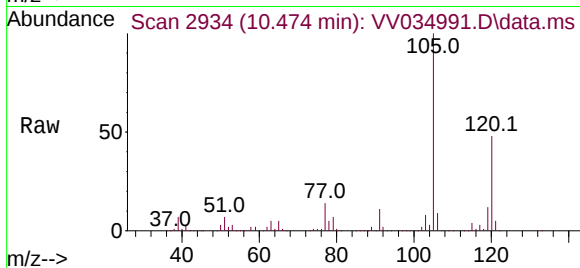
ClientSampleId :

Tgt Ion:105 Resp: 509128

Ion Ratio Lower Upper

105 100

120 48.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 53.540 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034991.D

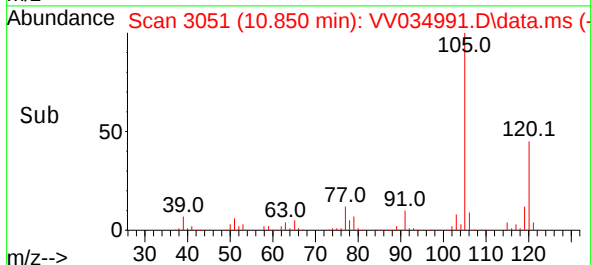
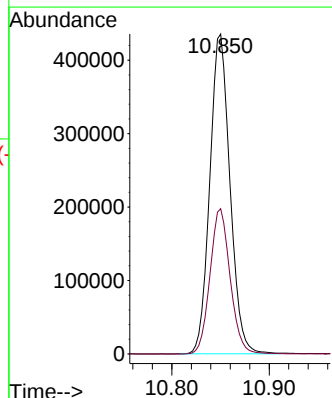
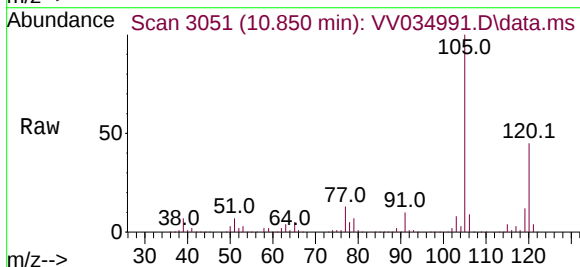
Acq: 05 Apr 2024 08:54

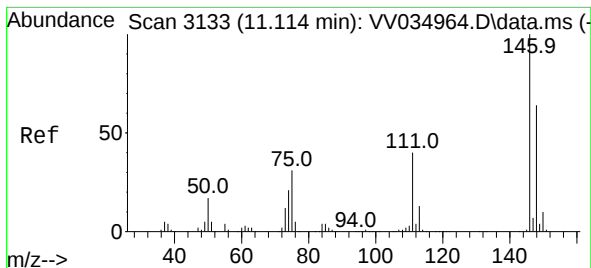
Tgt Ion:105 Resp: 626973

Ion Ratio Lower Upper

105 100

120 45.3 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 53.272 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

ClientSampleId :

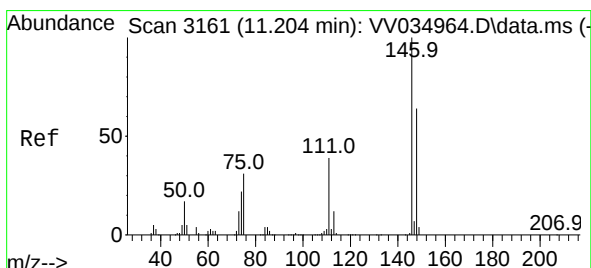
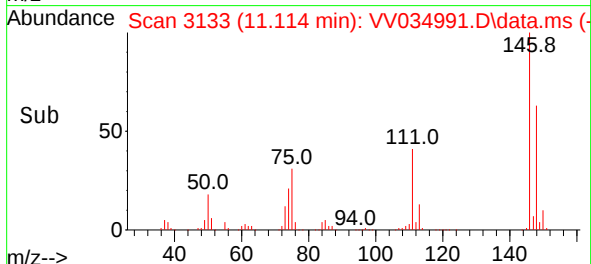
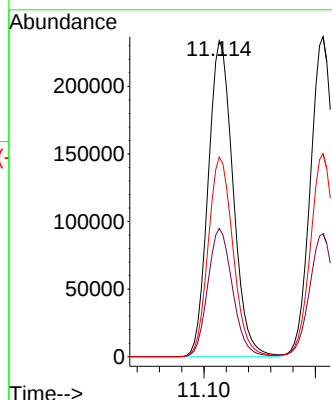
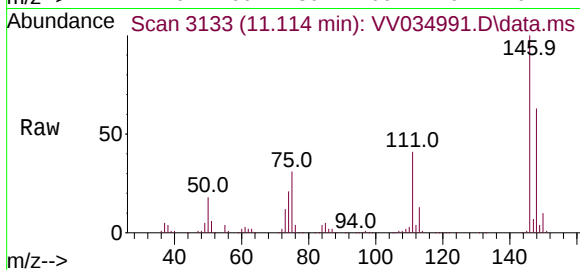
Tgt Ion:146 Resp: 363067

Ion Ratio Lower Upper

146 100

111 40.6 28.7 53.3

148 63.2 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 53.153 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

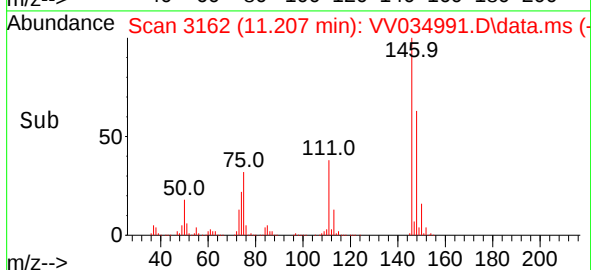
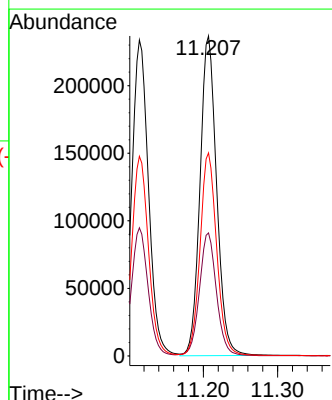
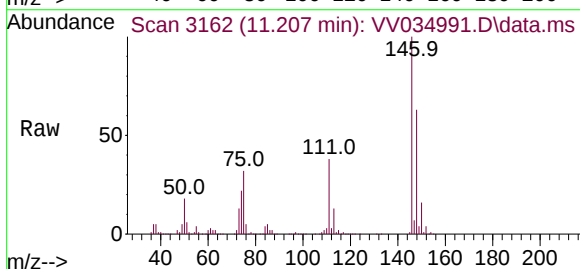
Tgt Ion:146 Resp: 368389

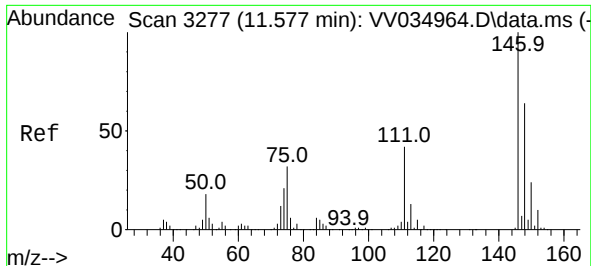
Ion Ratio Lower Upper

146 100

111 38.5 27.4 50.8

148 63.4 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 54.577 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

ClientSampleId :

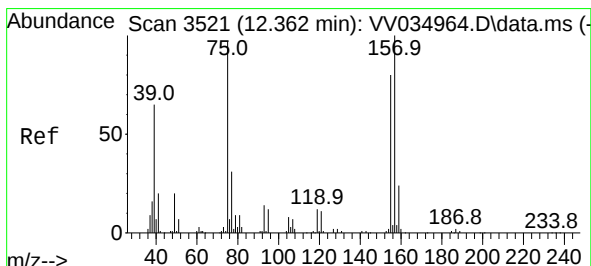
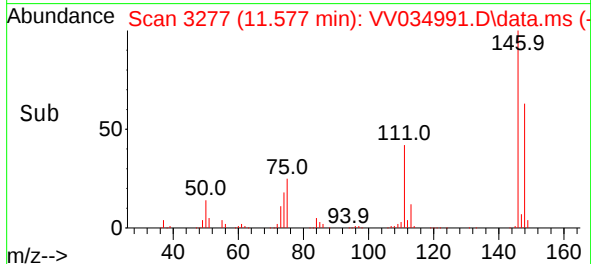
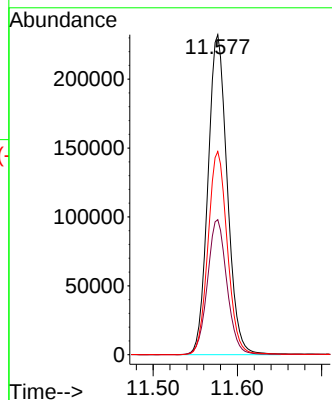
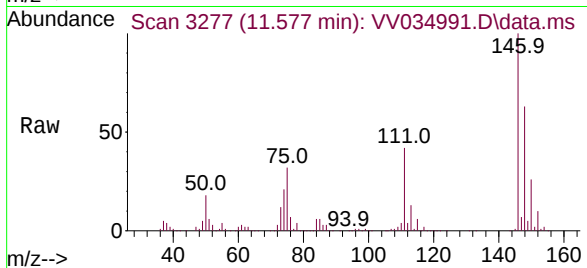
Tgt Ion:146 Resp: 370537

Ion Ratio Lower Upper

146 100

111 42.2 34.6 52.0

148 63.5 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 50.930 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

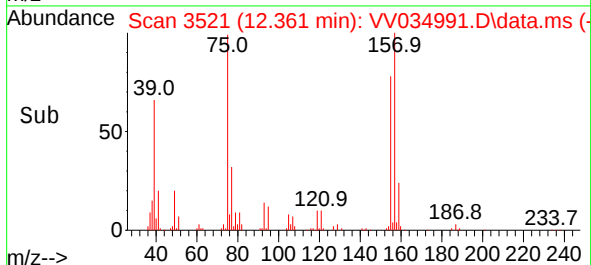
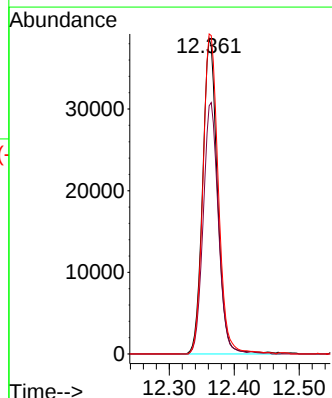
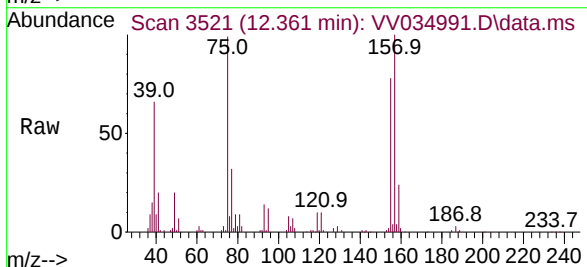
Tgt Ion: 75 Resp: 61508

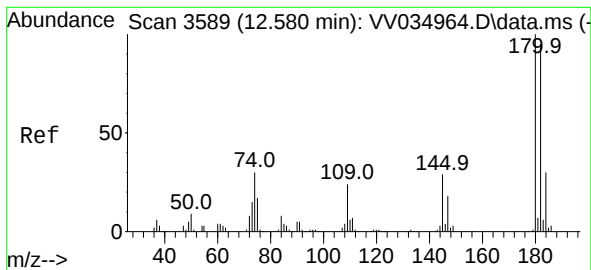
Ion Ratio Lower Upper

75 100

155 78.7 63.0 94.6

157 101.5 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 52.588 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

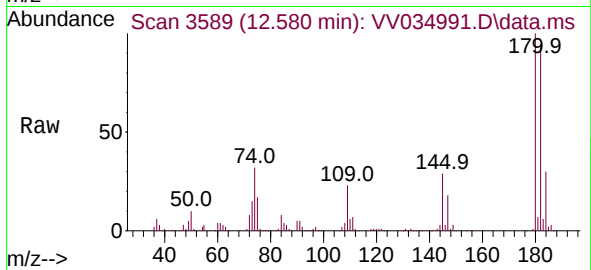
Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 258303

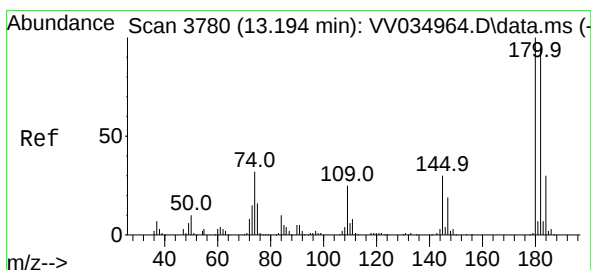
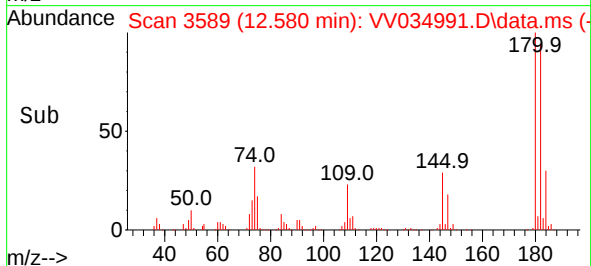
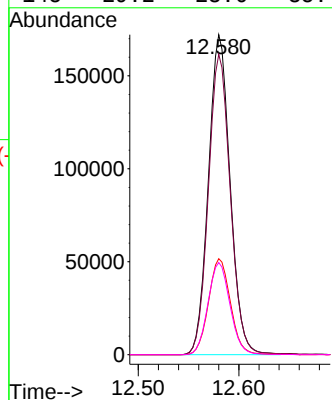
Ion Ratio Lower Upper

180 100

182 94.6 74.7 112.1

184 30.4 24.0 36.0

145 29.2 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 49.295 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV034991.D

Acq: 05 Apr 2024 08:54

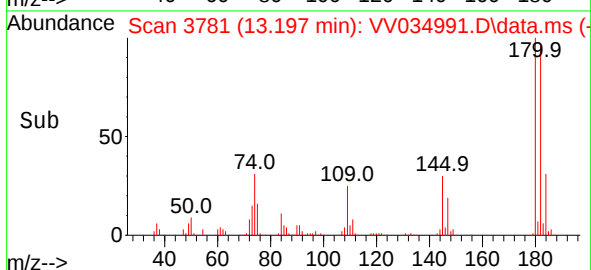
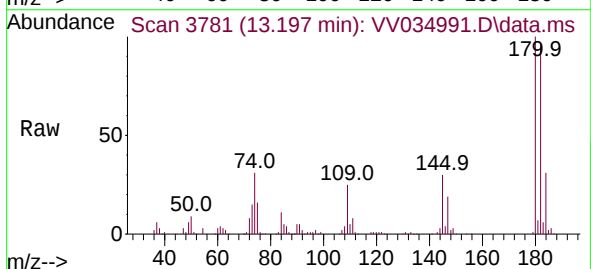
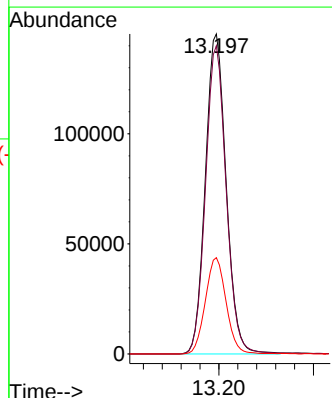
Tgt Ion:180 Resp: 222414

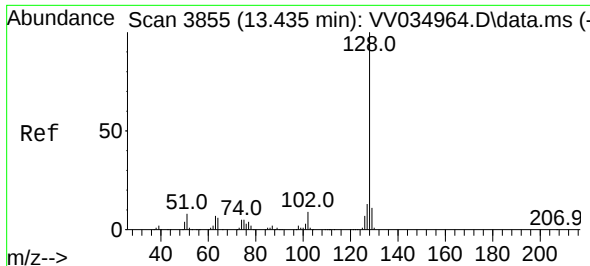
Ion Ratio Lower Upper

180 100

182 95.6 75.6 113.4

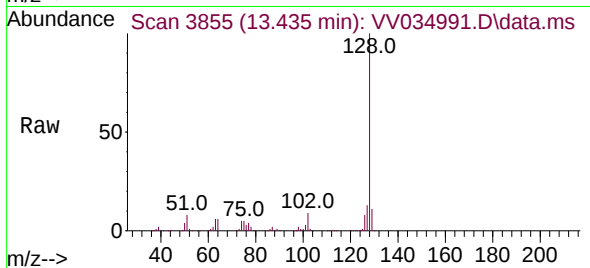
145 30.0 24.1 36.1



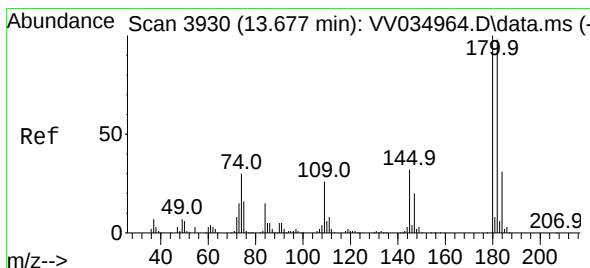
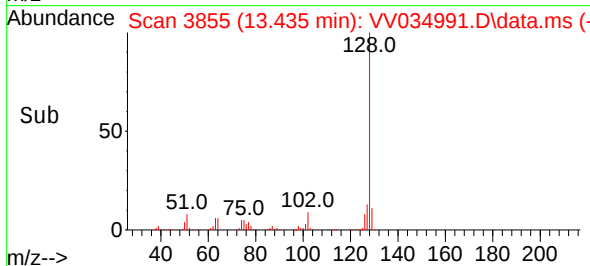
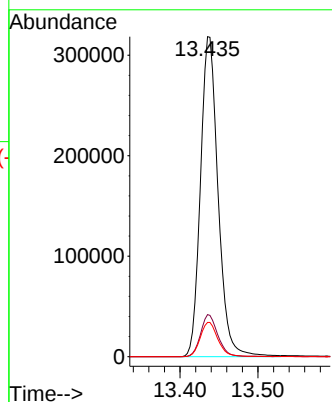


#71
Naphthalene
Concen: 39.993 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. -0.000 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 500620
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 50.042 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.003 min
Lab File: VV034991.D
Acq: 05 Apr 2024 08:54

Tgt Ion:180 Resp: 222558
Ion Ratio Lower Upper
180 100
182 95.5 76.2 114.2
145 31.3 25.8 38.6

