

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042624\
 Data File : VV035456.D
 Acq On : 27 Apr 2024 03:35
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 05:29:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 27 01:20:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	526489	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	528579	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	286725	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	193376	45.703	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.400%
7) Chloroethane-d5	1.529	69	130224	53.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.440%
11) 1,1-Dichloroethene-d2	2.053	65	80120	46.331	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.660%
21) 2-Butanone-d5	3.796	46	238860	110.149	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.150%
24) Chloroform-d	4.246	84	338666	47.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.140%
26) 1,2-Dichloroethane-d4	4.937	65	200816	48.425	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.840%
32) Benzene-d6	4.957	84	674582	48.564	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.120%
36) 1,2-Dichloropropane-d6	5.986	67	204294	47.668	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.340%
41) Toluene-d8	7.240	98	621059	49.605	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.220%
43) trans-1,3-Dichloroprop...	7.551	79	93794	46.783	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.560%
47) 2-Hexanone-d5	8.030	63	135508	109.678	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.680%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	312153	51.102	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	11.558	152	241316	48.105	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	176135	45.504	ug/L	99
3) Chloromethane	1.214	50	185508	47.230	ug/L	100
5) Vinyl chloride	1.282	62	197332	47.624	ug/L	100
6) Bromomethane	1.487	94	115341	47.529	ug/L	99
8) Chloroethane	1.545	64	101871	55.693	ug/L	99
9) Trichlorofluoromethane	1.706	101	267442	47.788	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	163190	46.543	ug/L	100
12) 1,1-Dichloroethene	2.066	96	149678	48.118	ug/L	95
13) Acetone	2.127	43	194184	75.357	ug/L	98
14) Carbon disulfide	2.236	76	402813	46.619	ug/L	99
15) Methyl Acetate	2.375	43	207829	53.181	ug/L	98
16) Methylene chloride	2.442	84	189499	48.168	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	163250	48.815	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	571606	50.748	ug/L	100
19) 1,1-Dichloroethane	3.108	63	340108	49.129	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	190638	50.671	ug/L	99
22) 2-Butanone	3.876	43	286282	100.424	ug/L	99
23) Bromochloromethane	4.143	128	102853	49.127	ug/L	98
25) Chloroform	4.272	83	345081	48.225	ug/L	99

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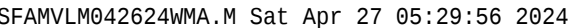
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 ClientSampleId :

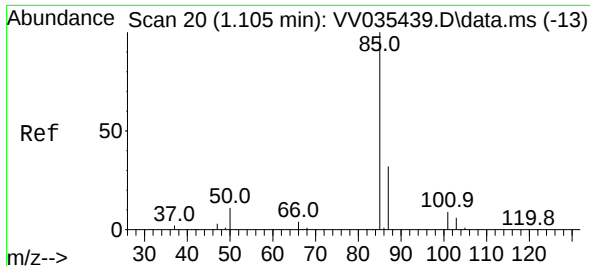
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 27 01:20:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	260257	49.527	ug/L	99
29) Cyclohexane	4.580	56	240150	49.403	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	295323	49.111	ug/L	99
31) Carbon tetrachloride	4.728	117	253573	48.265	ug/L	99
33) Benzene	5.005	78	712138	50.349	ug/L	100
34) Trichloroethene	5.831	95	186238	48.549	ug/L	99
35) Methylcyclohexane	6.047	83	266321	47.984	ug/L	98
37) 1,2-Dichloropropane	6.088	63	200224	50.706	ug/L	100
38) Bromodichloromethane	6.429	83	262571	49.244	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	282047	48.259	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	552706	117.210	ug/L	100
42) Toluene	7.313	91	761251	51.361	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	275002	49.018	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	205800	49.909	ug/L	100
46) Tetrachloroethene	7.902	164	143363	47.640	ug/L	99
48) 2-Hexanone	8.079	43	446617	111.411	ug/L	97
49) Dibromochloromethane	8.172	129	207781	49.291	ug/L	98
50) 1,2-Dibromoethane	8.278	107	214467	51.123	ug/L	100
51) Chlorobenzene	8.812	112	499313	47.774	ug/L	99
52) Ethylbenzene	8.944	91	821799	50.742	ug/L	100
53) m,p-Xylene	9.069	106	312072	50.914	ug/L	99
54) o-Xylene	9.477	106	310544	51.813	ug/L	98
55) Styrene	9.493	104	556510	53.840	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	344454	51.388	ug/L	99
59) Bromoform	9.664	173	169666	49.843	ug/L	99
60) Isopropylbenzene	9.863	105	836014	50.823	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	275225	51.283	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	677613	51.133	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	682549	52.607	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	413038	48.471	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	421431	47.150	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	420883	48.748	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	65455	53.909	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	281777	46.670	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	223778	46.688	ug/L	99
71) Naphthalene	13.435	128	513308	49.090	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	234227	50.152	ug/L	99

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

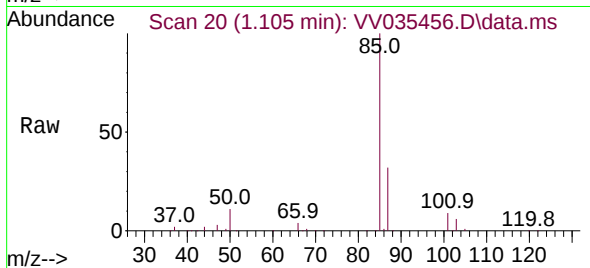
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
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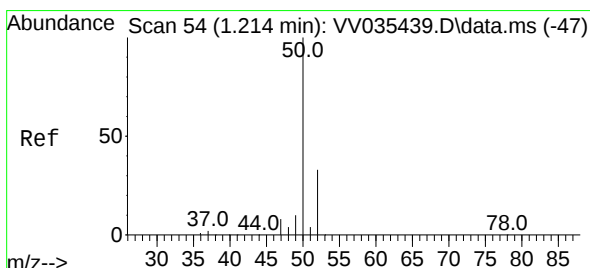
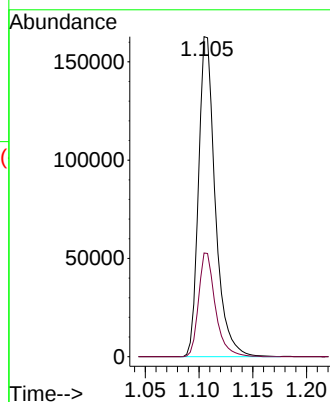
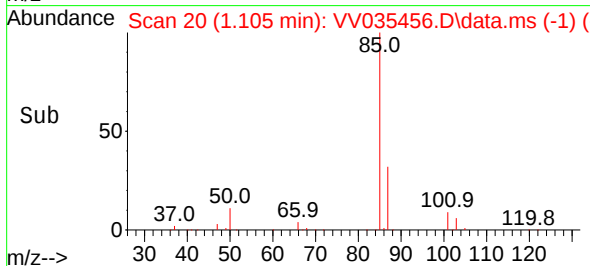


#2
 Dichlorodifluoromethane
 Concen: 45.504 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV035456.D
 Acq: 27 Apr 2024 03:35

Instrument :
 MSVOA_V
 ClientSampleId :

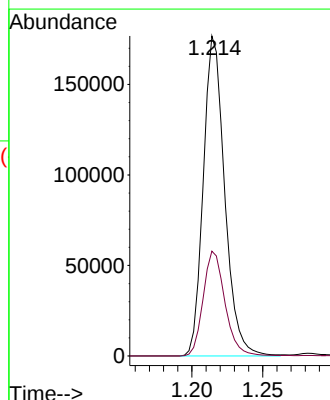
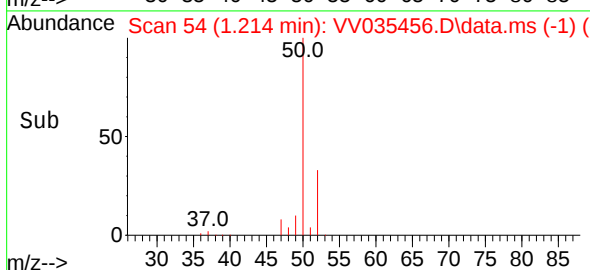
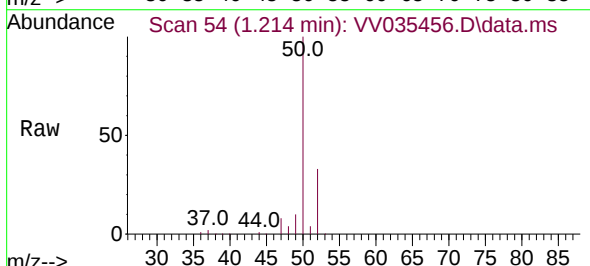


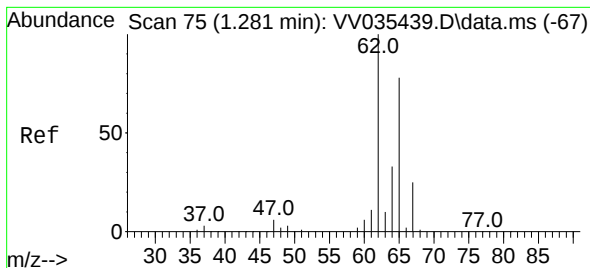
Tgt Ion: 85 Resp: 176135
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.4 38.2



#3
 Chloromethane
 Concen: 47.230 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV035456.D
 Acq: 27 Apr 2024 03:35

Tgt Ion: 50 Resp: 185508
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.0 42.8





#5

Vinyl chloride

Concen: 47.624 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

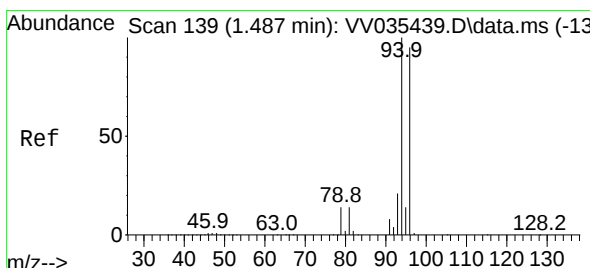
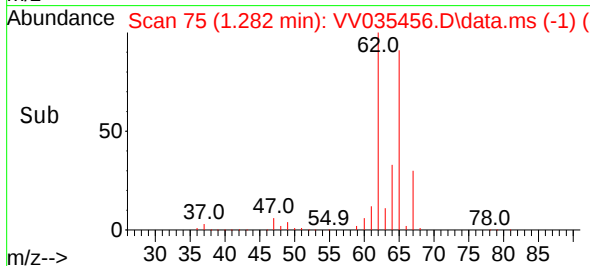
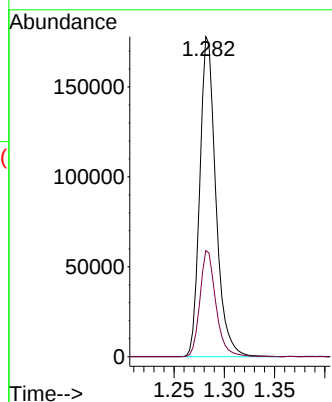
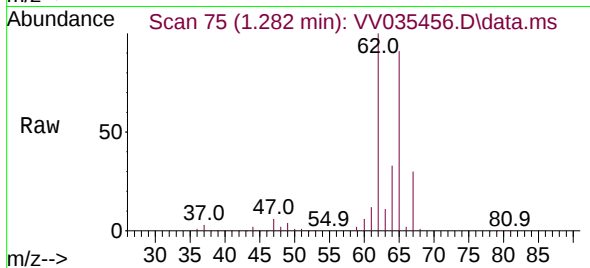
ClientSampleId :

Tgt Ion: 62 Resp: 197332

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.2



#6

Bromomethane

Concen: 47.529 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV035456.D

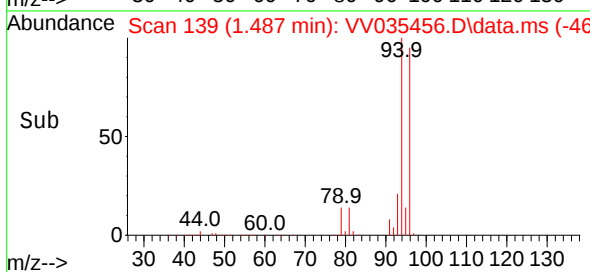
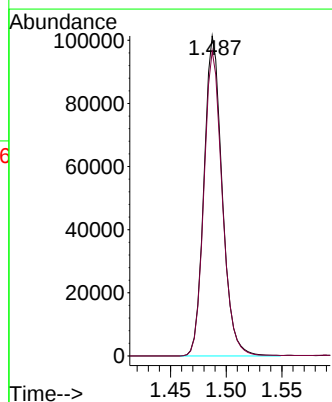
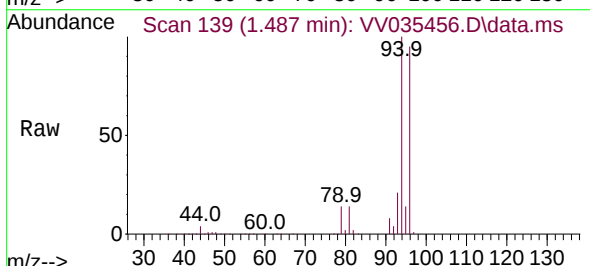
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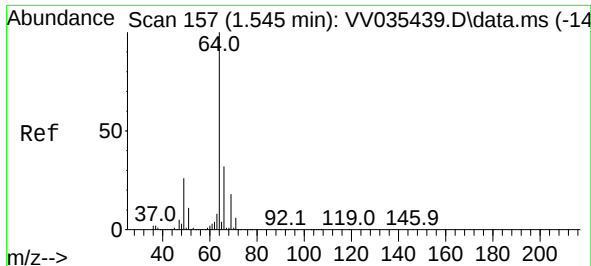
Tgt Ion: 94 Resp: 115341

Ion Ratio Lower Upper

94 100

96 95.3 66.1 122.7

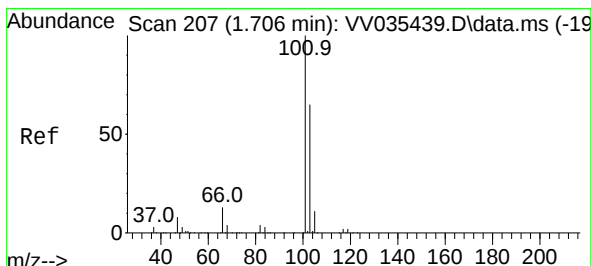
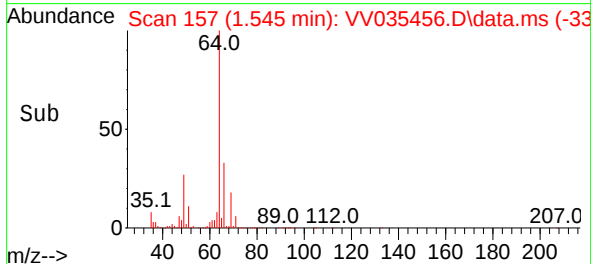
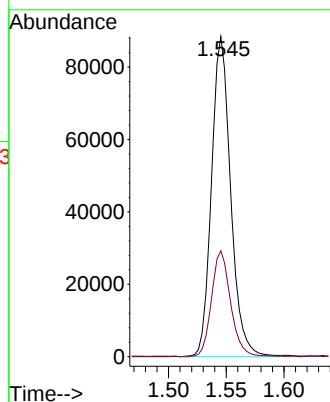
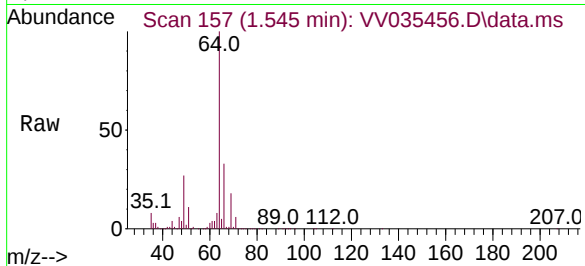




#8
Chloroethane
Concen: 55.693 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

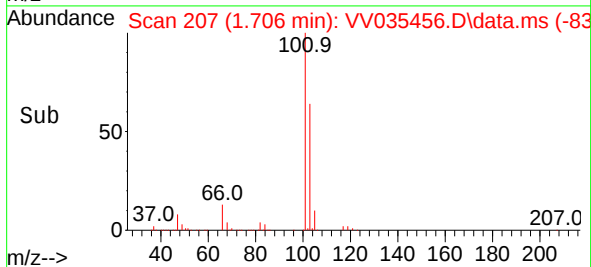
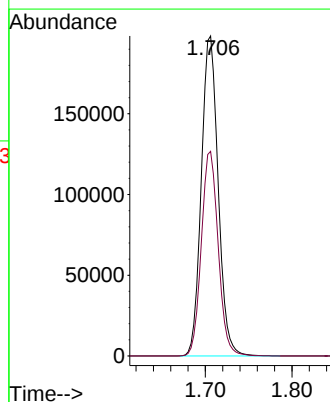
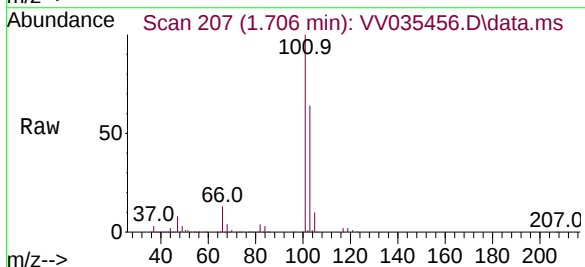
Instrument :
MSVOA_V
ClientSampleId :

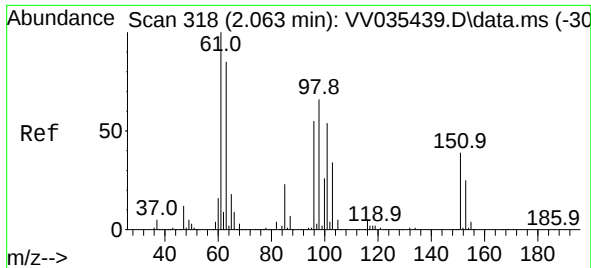
Tgt Ion: 64 Resp: 101871
Ion Ratio Lower Upper
64 100
66 33.1 22.9 42.5



#9
Trichlorofluoromethane
Concen: 47.788 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion:101 Resp: 267442
Ion Ratio Lower Upper
101 100
103 64.0 51.2 76.8





#10

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

Concen: 46.543 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

ClientSampleId :

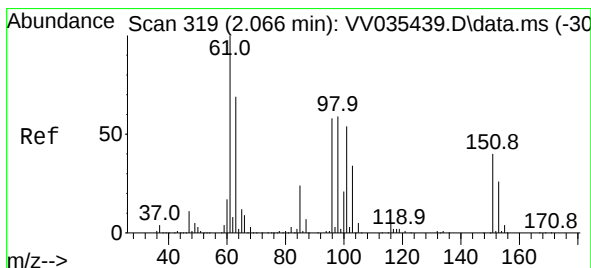
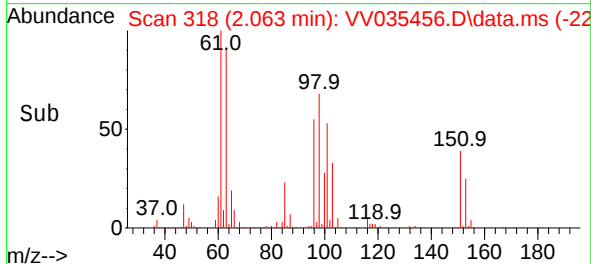
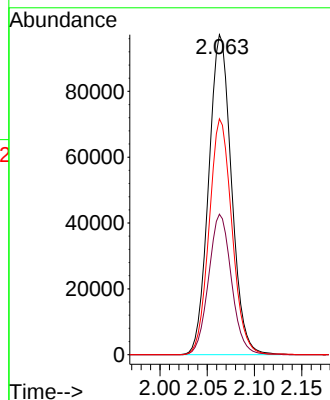
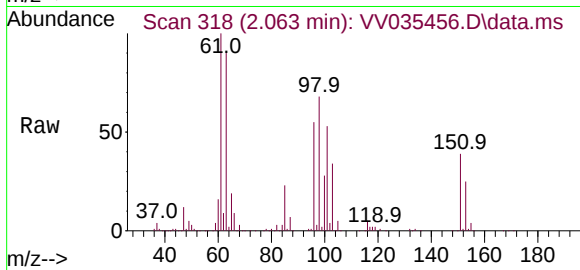
Tgt Ion:101 Resp: 163190

Ion Ratio Lower Upper

101 100

85 43.9 35.0 52.6

151 73.7 58.6 87.8



#12

1,1-Dichloroethene

Concen: 48.118 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

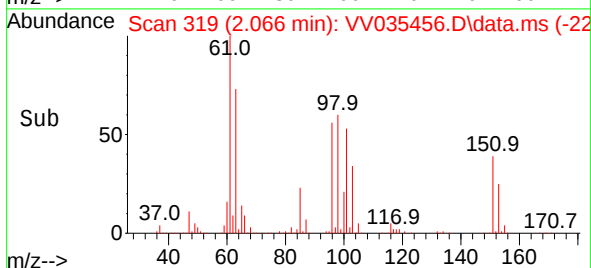
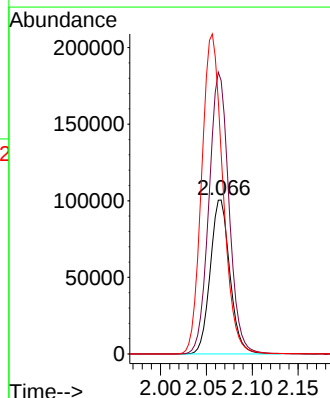
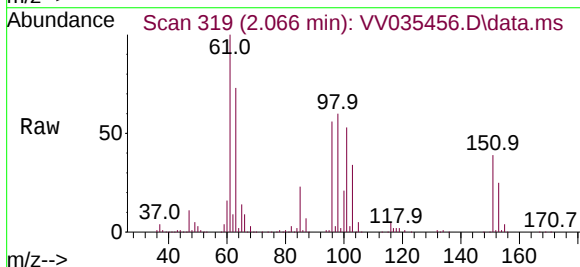
Tgt Ion: 96 Resp: 149678

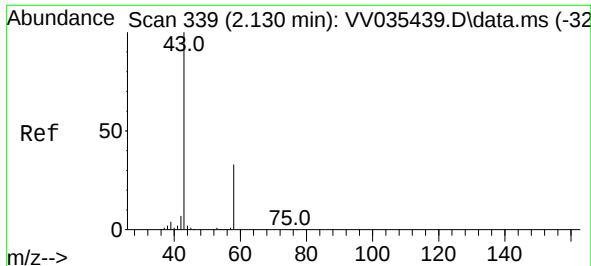
Ion Ratio Lower Upper

96 100

61 177.4 128.2 238.0

63 130.2 96.9 179.9





#13

Acetone

Concen: 75.357 ug/L

RT: 2.127 min Scan# 339

Delta R.T. -0.003 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

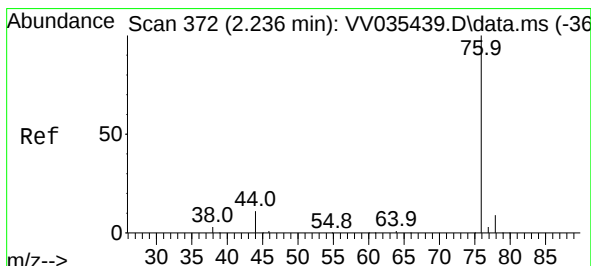
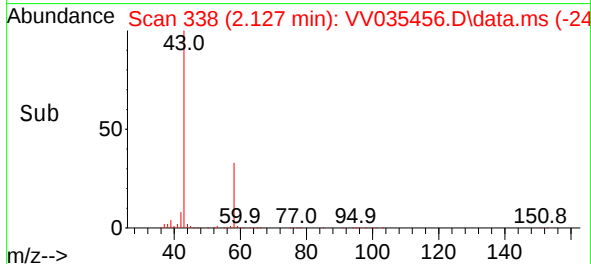
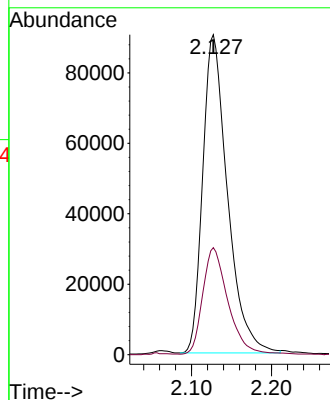
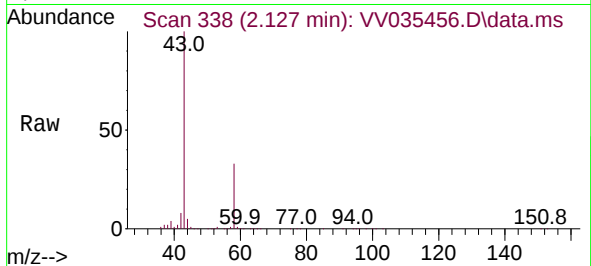
ClientSampleId :

Tgt Ion: 43 Resp: 194184

Ion Ratio Lower Upper

43 100

58 33.9 0.0 65.8



#14

Carbon disulfide

Concen: 46.619 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV035456.D

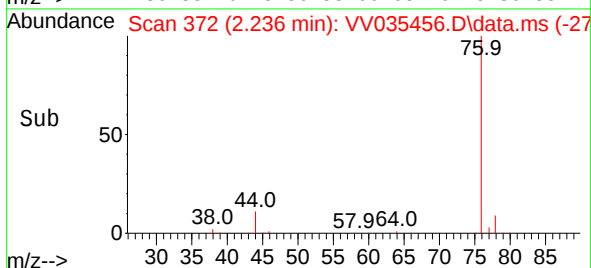
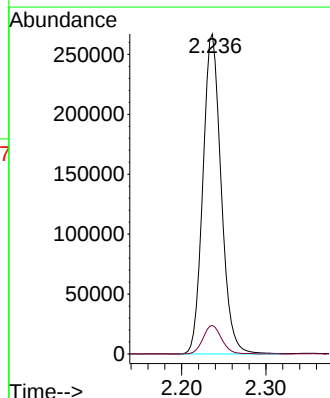
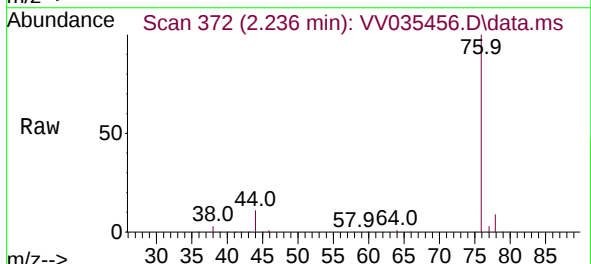
Acq: 27 Apr 2024 03:35

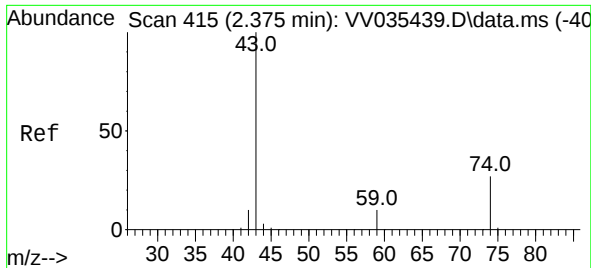
Tgt Ion: 76 Resp: 402813

Ion Ratio Lower Upper

76 100

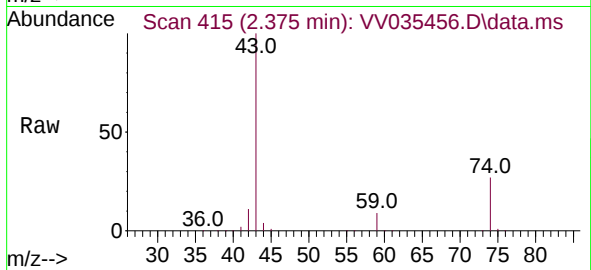
78 8.9 7.4 11.0



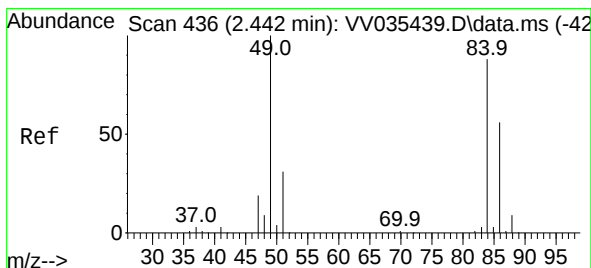
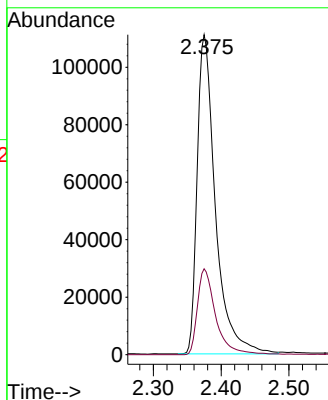
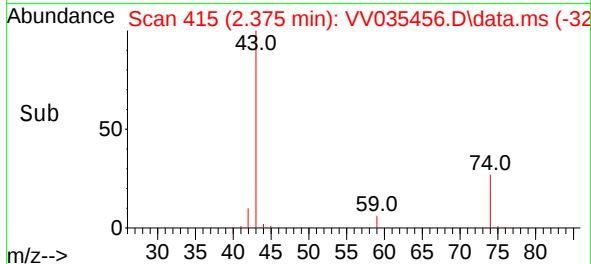


#15
Methyl Acetate
Concen: 53.181 ug/L
RT: 2.375 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Instrument :
MSVOA_V
ClientSampleId :

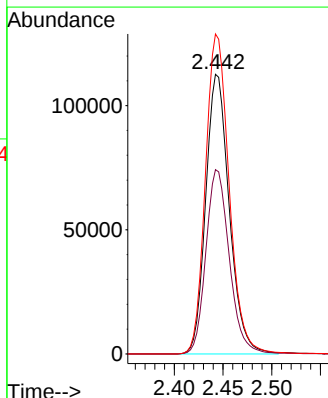
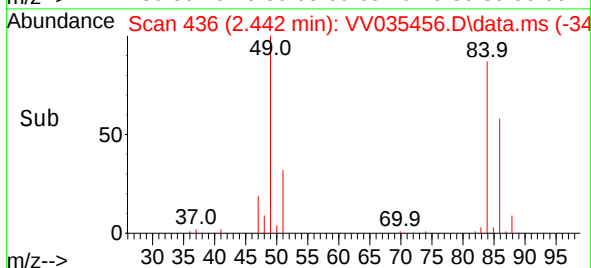
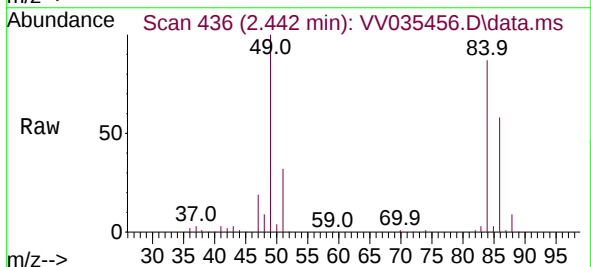


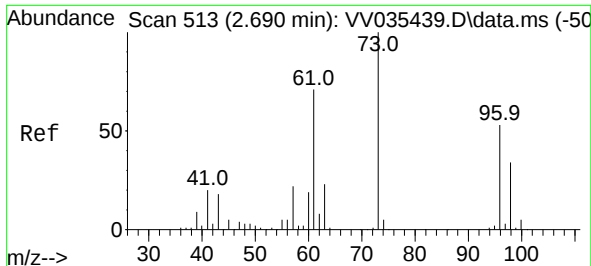
Tgt Ion: 43 Resp: 207829
Ion Ratio Lower Upper
43 100
74 26.8 20.6 30.8



#16
Methylene chloride
Concen: 48.168 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion: 84 Resp: 189499
Ion Ratio Lower Upper
84 100
86 65.9 45.1 83.9
49 114.4 82.3 152.8





#17

trans-1,2-Dichloroethene

Concen: 48.815 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

ClientSampleId :

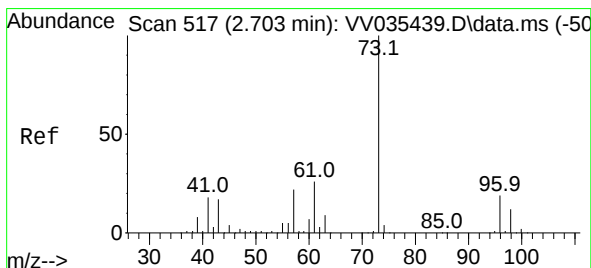
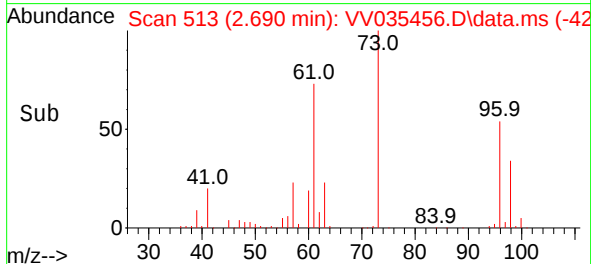
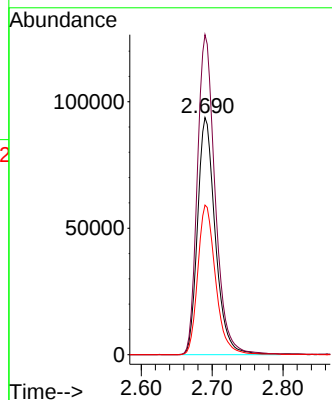
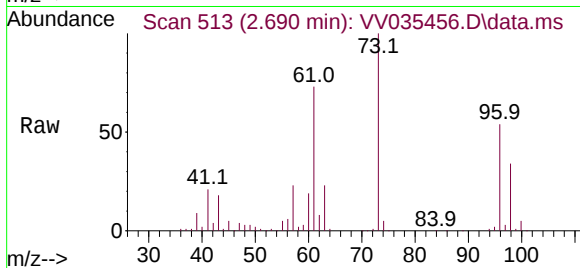
Tgt Ion: 96 Resp: 163250

Ion Ratio Lower Upper

96 100

61 134.9 96.4 179.0

98 63.1 45.2 84.0



#18

Methyl tert-butyl Ether

Concen: 50.748 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

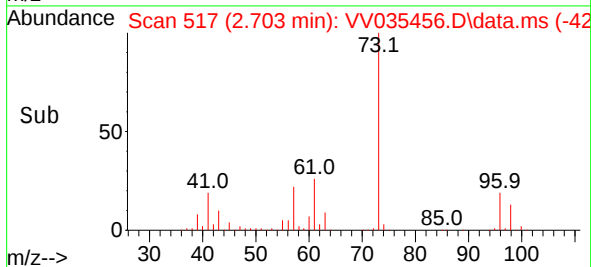
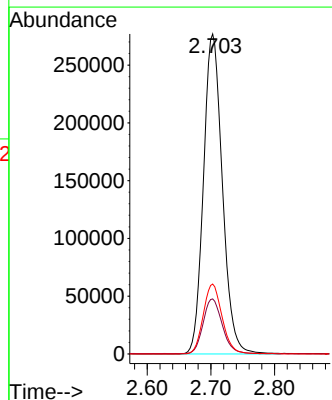
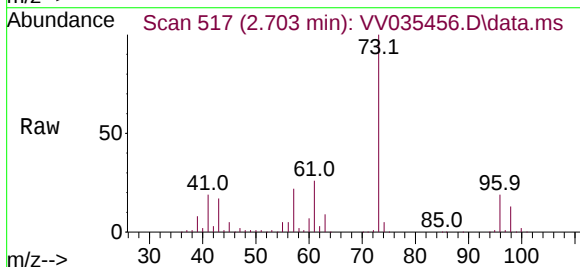
Tgt Ion: 73 Resp: 571606

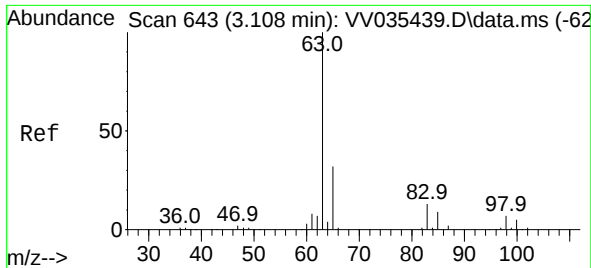
Ion Ratio Lower Upper

73 100

43 17.3 13.9 20.9

57 21.9 17.4 26.0

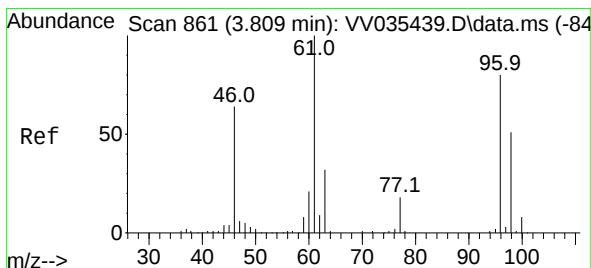
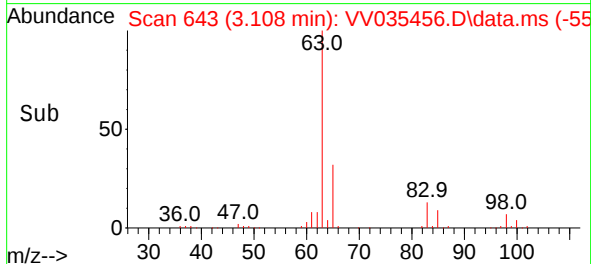
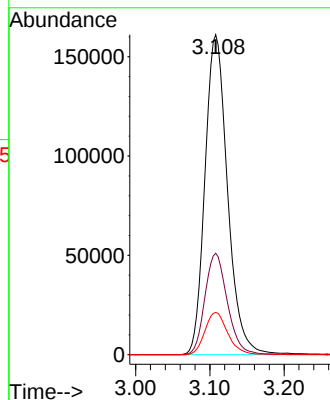
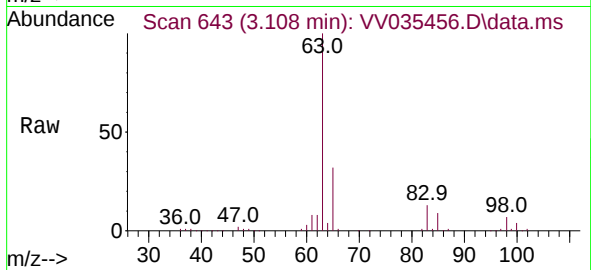




#19
1,1-Dichloroethane
Concen: 49.129 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

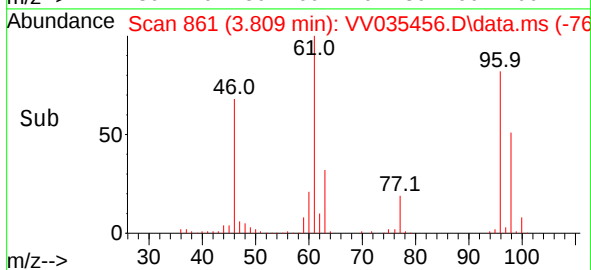
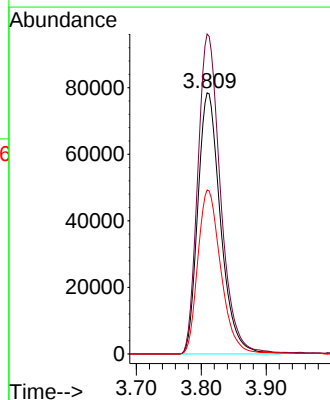
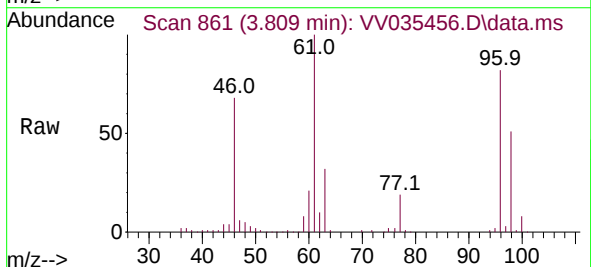
Instrument :
MSVOA_V
ClientSampleId :

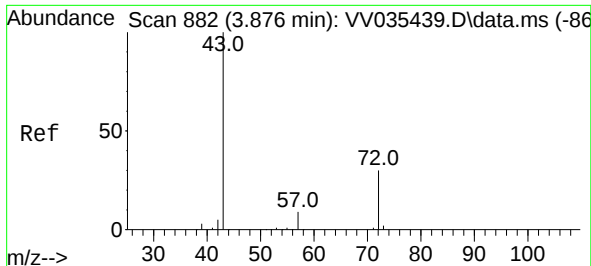
Tgt Ion: 63 Resp: 340108
Ion Ratio Lower Upper
63 100
65 31.7 22.1 41.1
83 13.2 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 50.671 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion: 96 Resp: 190638
Ion Ratio Lower Upper
96 100
61 122.5 86.9 161.5
98 62.8 44.6 82.8

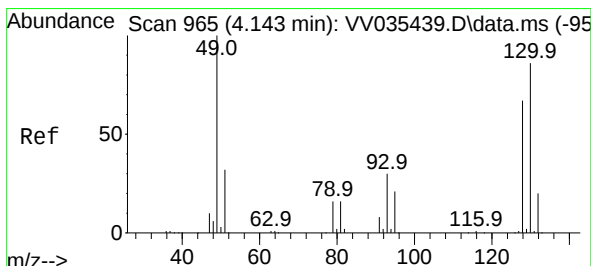
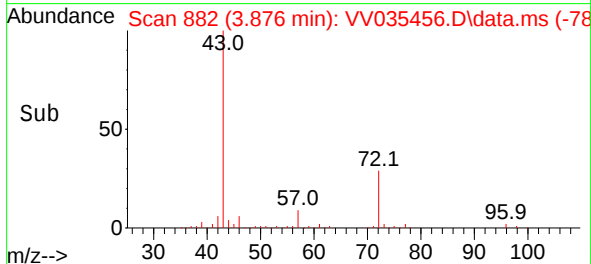
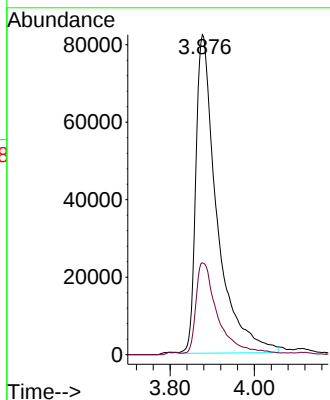
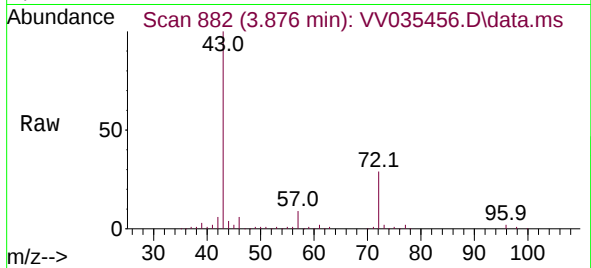




#22
2-Butanone
Concen: 100.424 ug/L
RT: 3.876 min Scan# 882
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

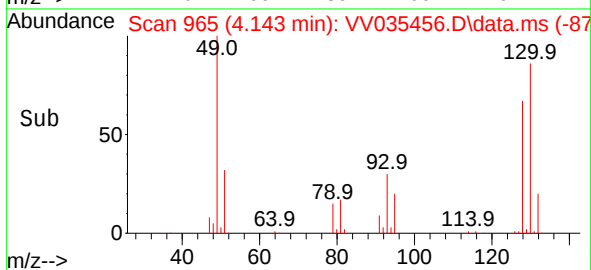
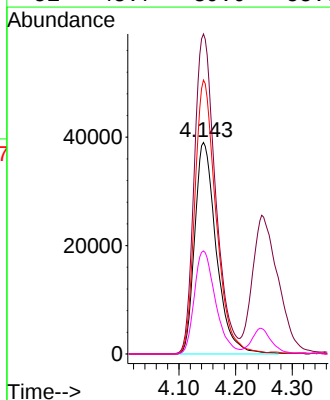
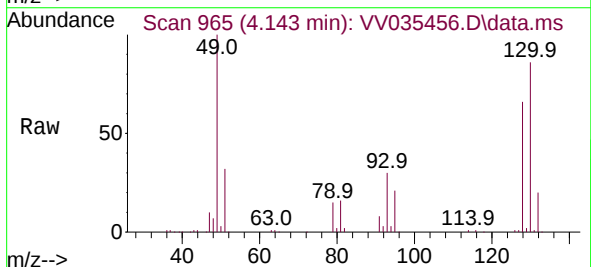
Instrument :
MSVOA_V
ClientSampleId :

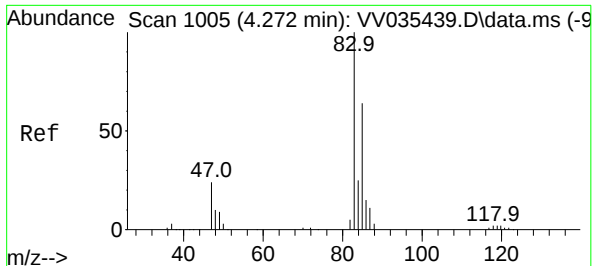
Tgt Ion: 43 Resp: 286282
Ion Ratio Lower Upper
43 100
72 27.9 13.8 41.4



#23
Bromochloromethane
Concen: 49.127 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion:128 Resp: 102853
Ion Ratio Lower Upper
128 100
49 151.3 107.7 200.1
130 129.5 93.4 173.4
51 48.7 39.0 58.6





#25

Chloroform

Concen: 48.225 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

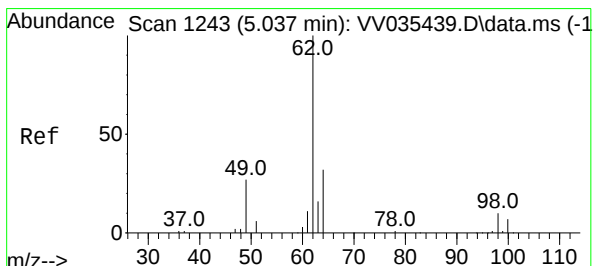
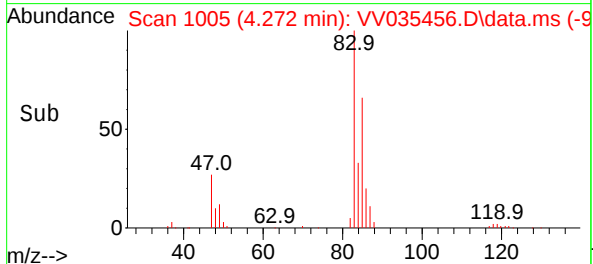
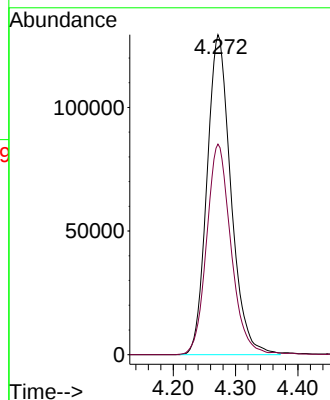
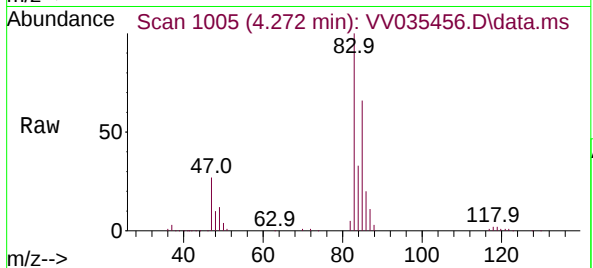
ClientSampleId :

Tgt Ion: 83 Resp: 345081

Ion Ratio Lower Upper

83 100

85 65.8 45.6 84.6



#27

1,2-Dichloroethane

Concen: 49.527 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV035456.D

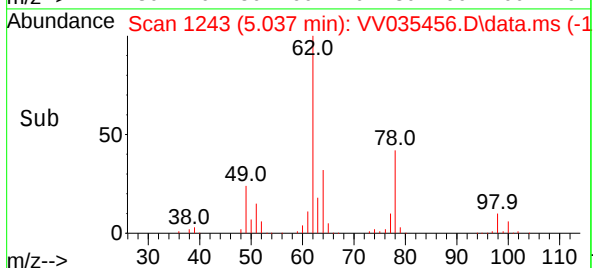
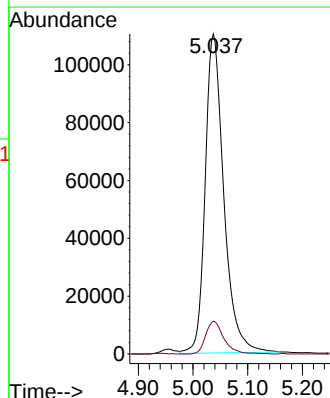
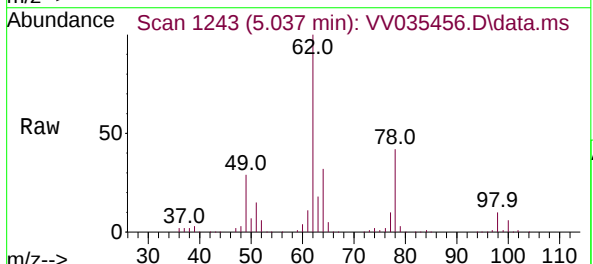
Acq: 27 Apr 2024 03:35

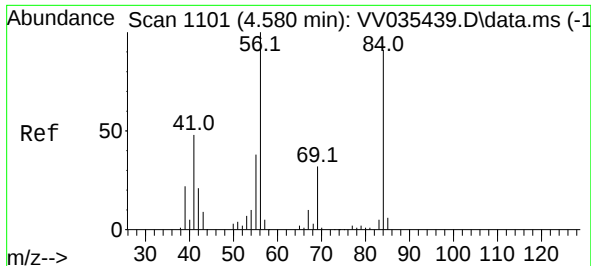
Tgt Ion: 62 Resp: 260257

Ion Ratio Lower Upper

62 100

98 10.2 8.0 12.0





#29

Cyclohexane

Concen: 49.403 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

ClientSampleId :

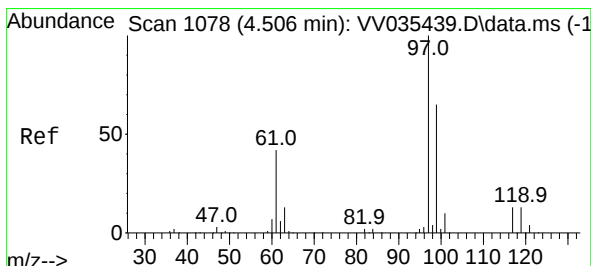
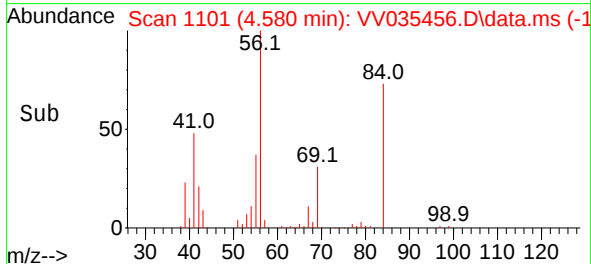
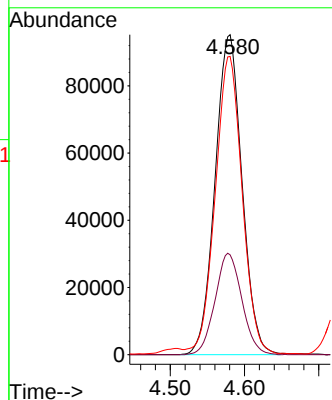
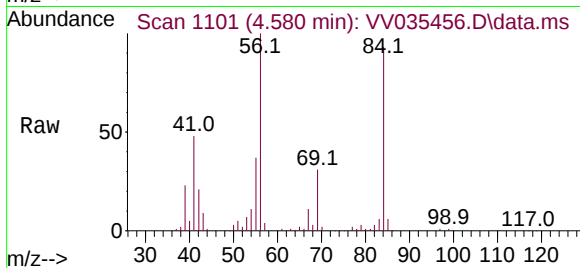
Tgt Ion: 56 Resp: 240150

Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.2

84 92.9 73.5 110.3



#30

1,1,1-Trichloroethane

Concen: 49.111 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

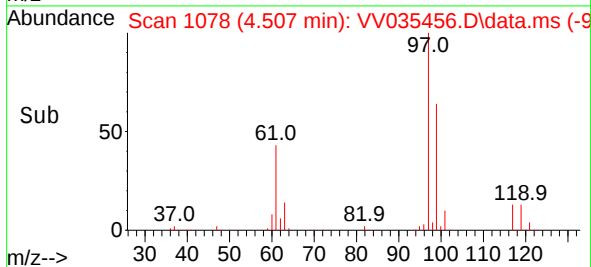
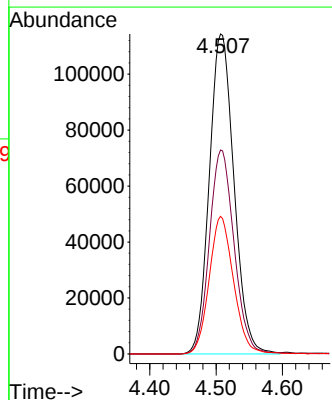
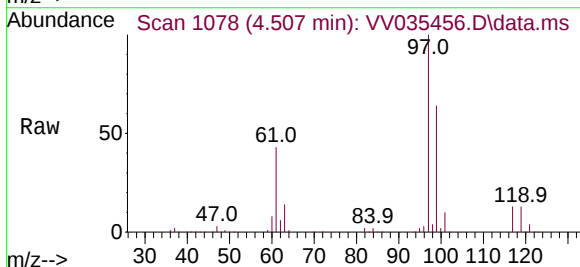
Tgt Ion: 97 Resp: 295323

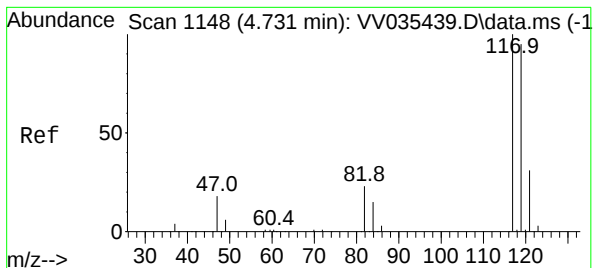
Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

61 42.6 35.4 53.2





#31

Carbon tetrachloride

Concen: 48.265 ug/L

RT: 4.728 min Scan# 1148

Delta R.T. -0.003 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

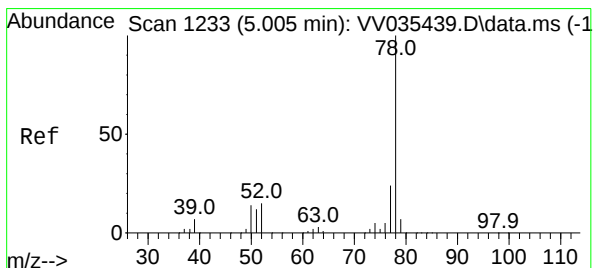
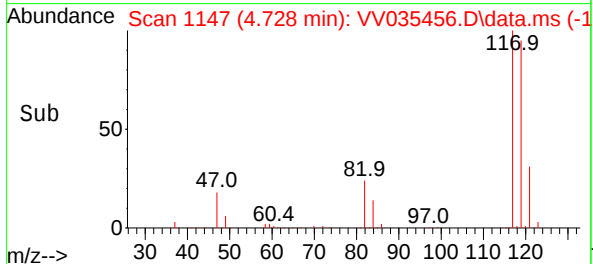
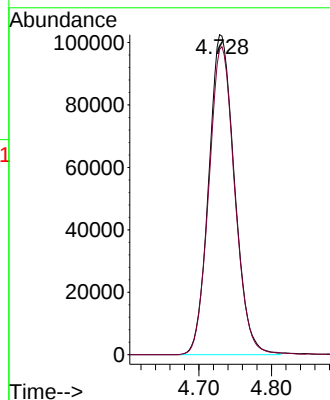
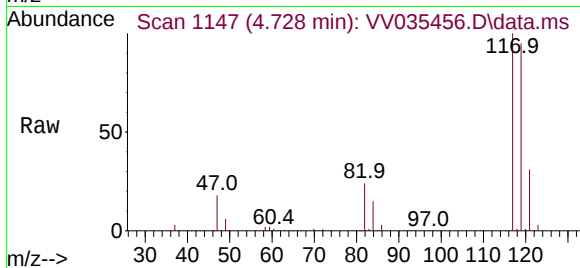
ClientSampleId :

Tgt Ion:117 Resp: 253573

Ion Ratio Lower Upper

117 100

119 96.2 76.4 114.6



#33

Benzene

Concen: 50.349 ug/L

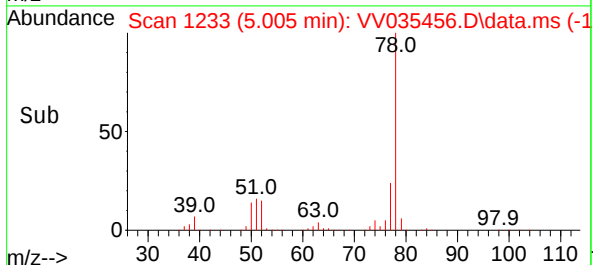
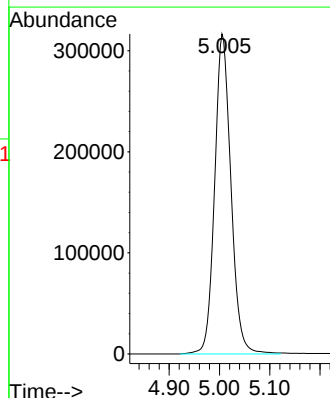
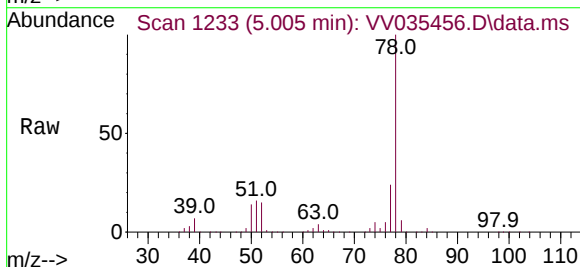
RT: 5.005 min Scan# 1233

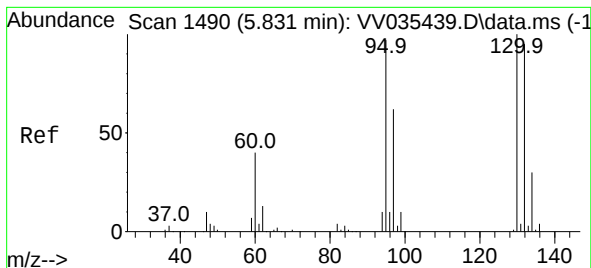
Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Tgt Ion: 78 Resp: 712138





#34

Trichloroethene

Concen: 48.549 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 186238

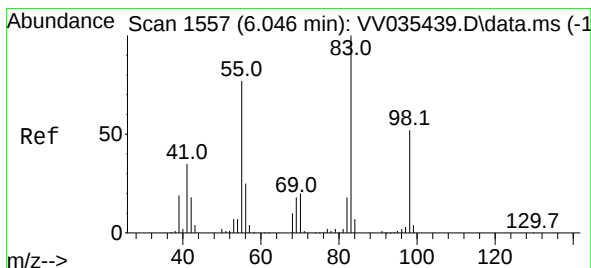
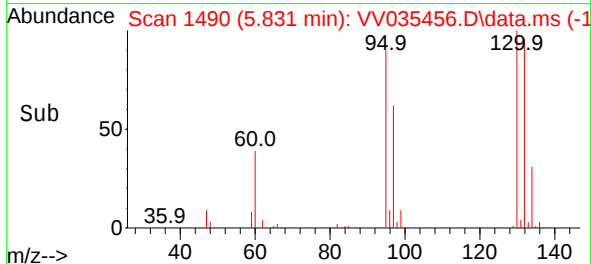
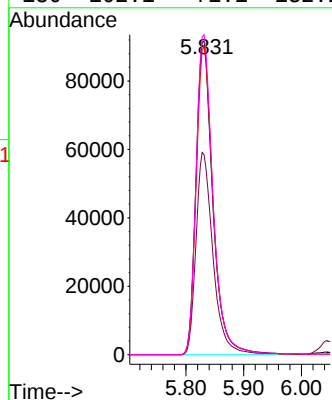
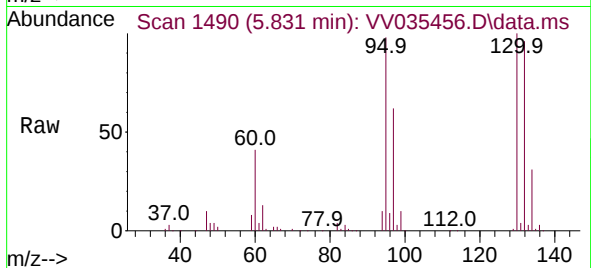
Ion Ratio Lower Upper

95 100

97 63.8 45.8 85.0

132 98.4 68.0 126.2

130 102.1 71.1 132.1



#35

Methylcyclohexane

Concen: 47.984 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

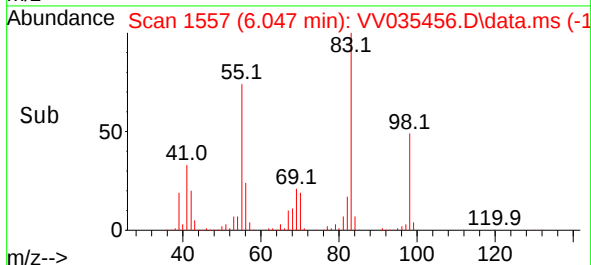
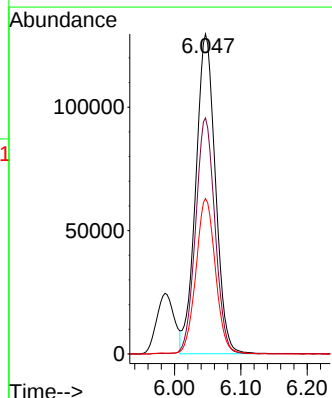
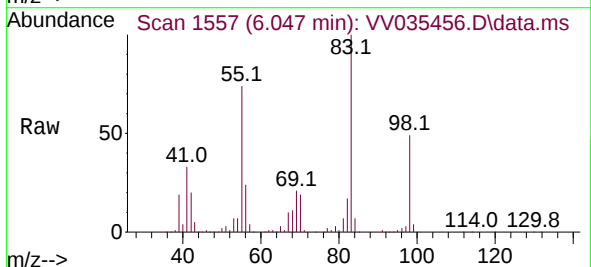
Tgt Ion: 83 Resp: 266321

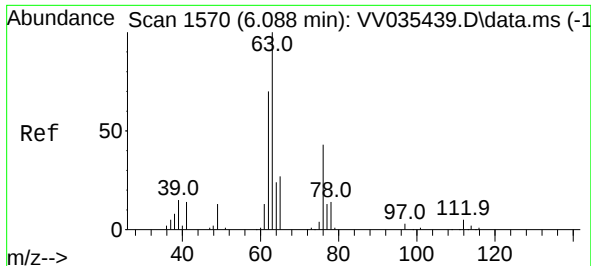
Ion Ratio Lower Upper

83 100

55 72.5 59.7 89.5

98 48.4 39.0 58.6

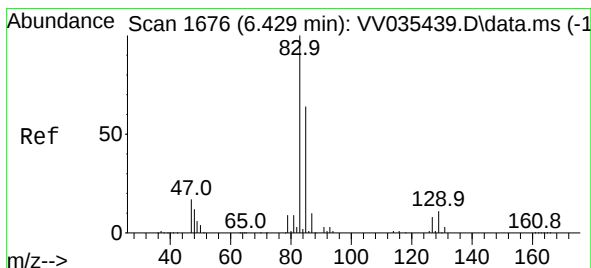
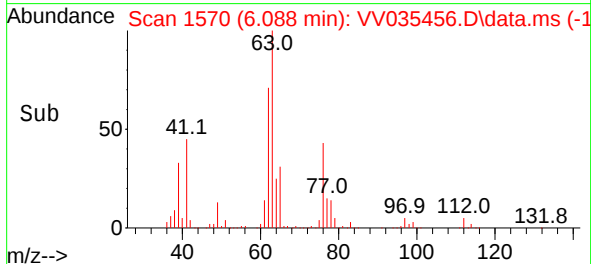
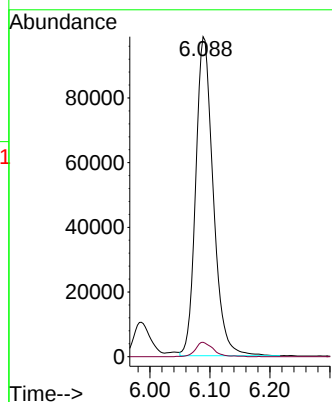
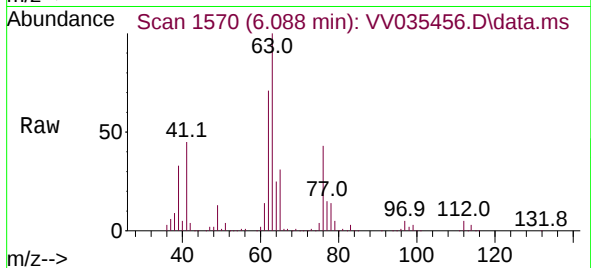




#37
1,2-Dichloropropane
Concen: 50.706 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

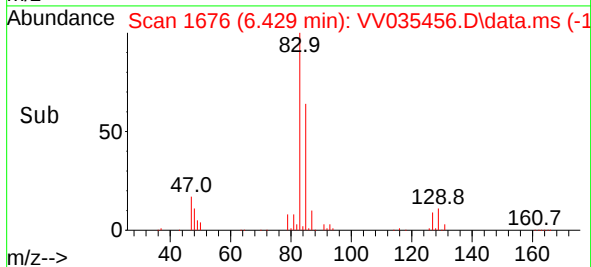
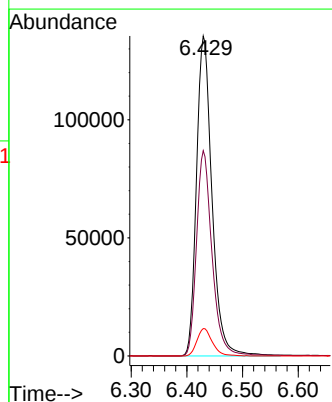
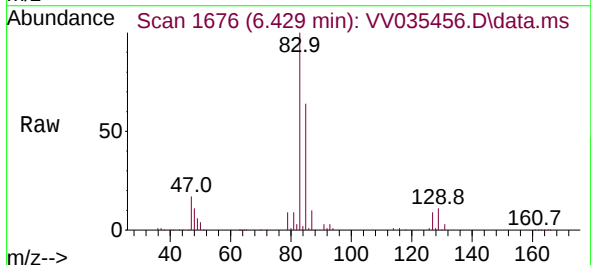
Instrument :
MSVOA_V
ClientSampleId :

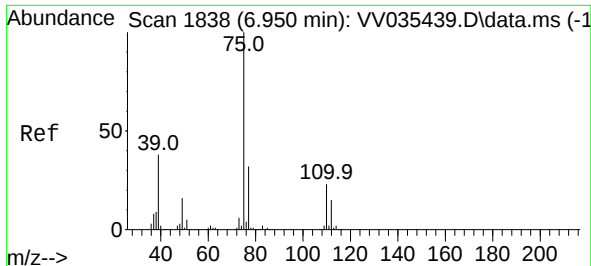
Tgt Ion: 63 Resp: 200224
Ion Ratio Lower Upper
63 100
112 4.4 3.5 5.3



#38
Bromodichloromethane
Concen: 49.244 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion: 83 Resp: 262571
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.9
127 8.5 7.0 10.4

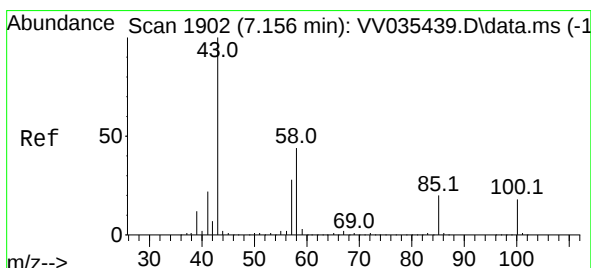
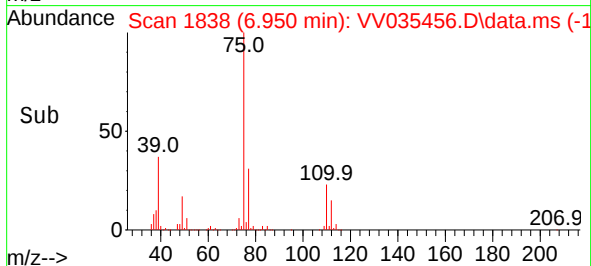
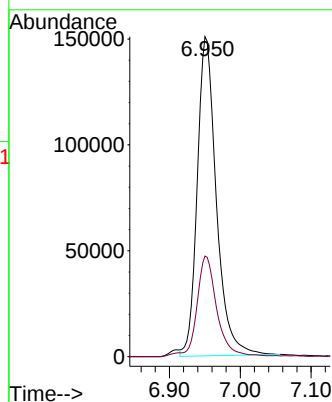
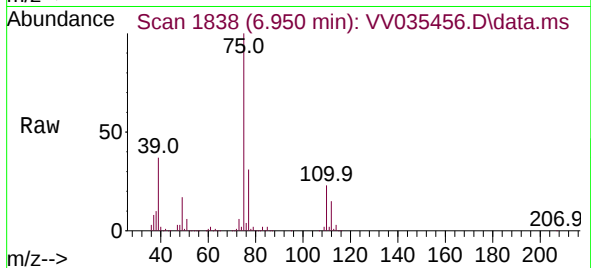




#39
cis-1,3-Dichloropropene
Concen: 48.259 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

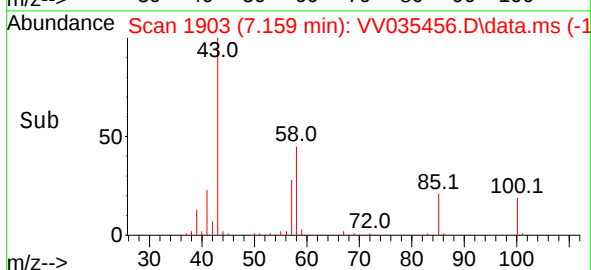
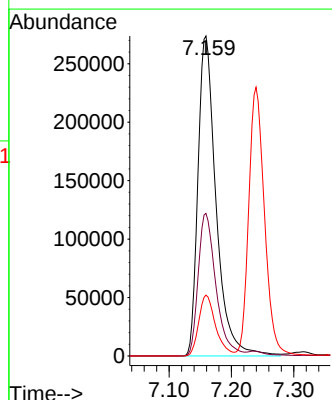
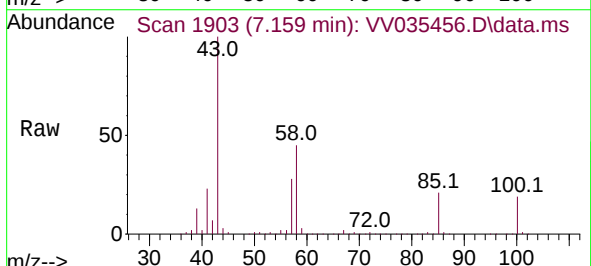
Instrument :
MSVOA_V
ClientSampleId :

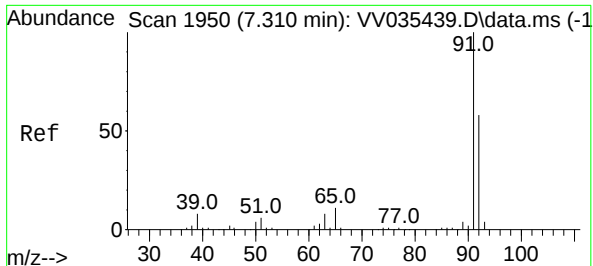
Tgt Ion: 75 Resp: 282047
Ion Ratio Lower Upper
75 100
77 31.4 22.3 41.3



#40
4-Methyl-2-pentanone
Concen: 117.210 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.003 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion: 43 Resp: 552706
Ion Ratio Lower Upper
43 100
58 43.7 35.0 52.4
100 17.8 14.3 21.5





#42

Toluene

Concen: 51.361 ug/L

RT: 7.313 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

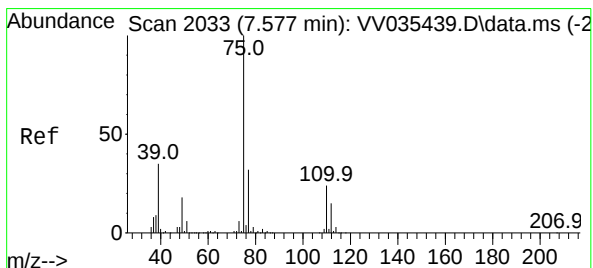
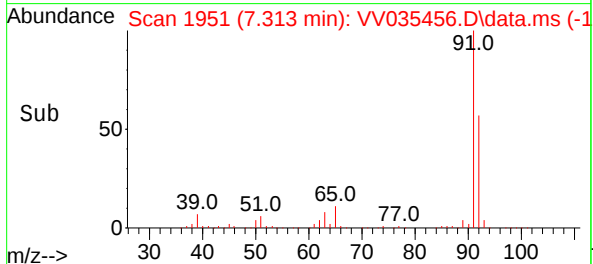
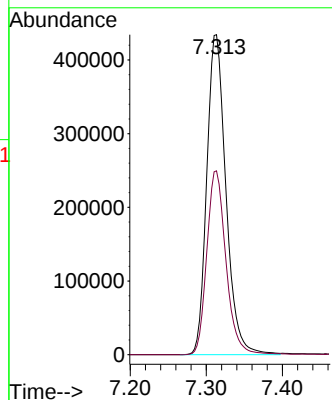
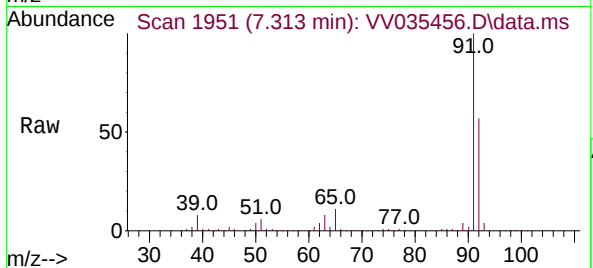
ClientSampleId :

Tgt Ion: 91 Resp: 761251

Ion Ratio Lower Upper

91 100

92 57.4 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 49.018 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV035456.D

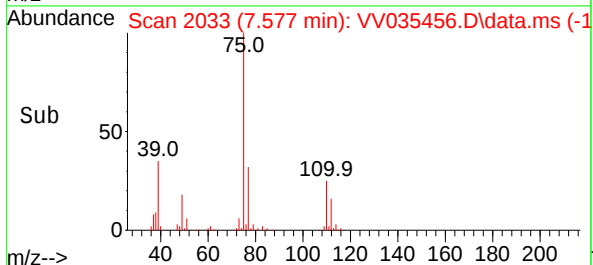
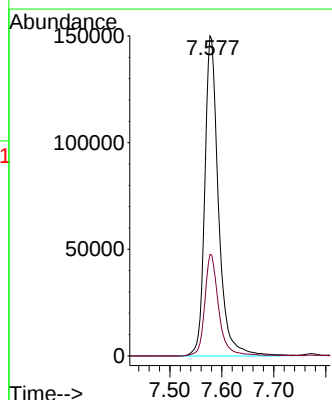
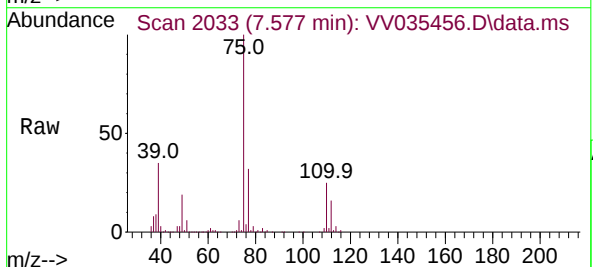
Acq: 27 Apr 2024 03:35

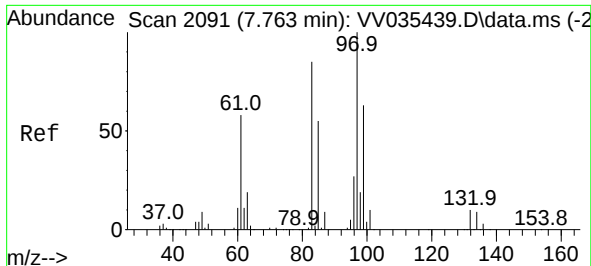
Tgt Ion: 75 Resp: 275002

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1

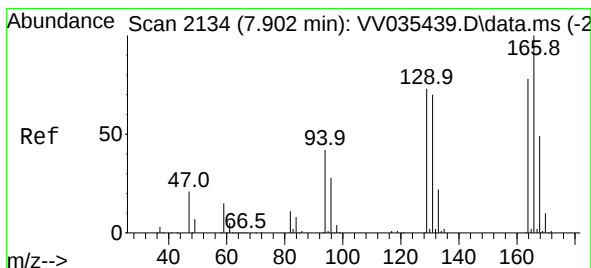
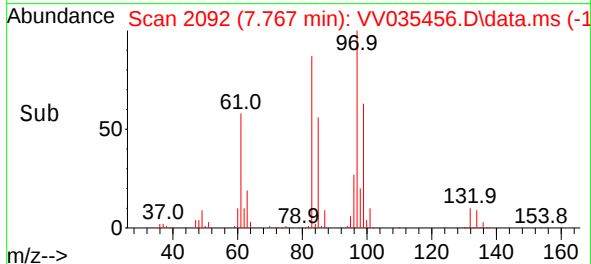
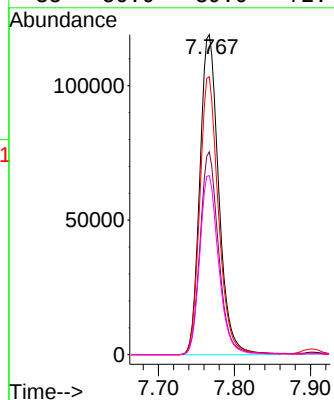
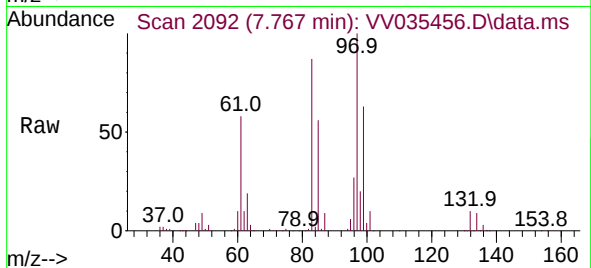




#45
1,1,2-Trichloroethane
Concen: 49.909 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

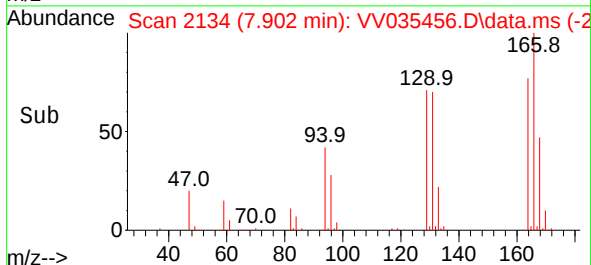
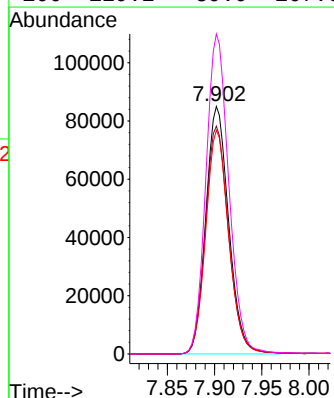
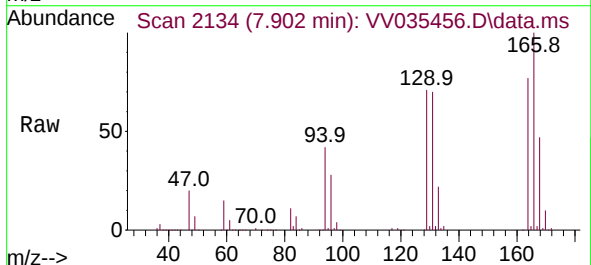
Instrument :
MSVOA_V
ClientSampleId :

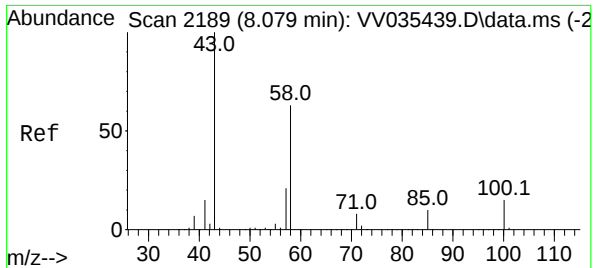
Tgt Ion: 97 Resp: 205800
Ion Ratio Lower Upper
97 100
99 63.4 44.3 82.3
83 86.8 60.5 112.3
85 56.0 39.0 72.4



#46
Tetrachloroethene
Concen: 47.640 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion:164 Resp: 143363
Ion Ratio Lower Upper
164 100
129 92.0 65.7 122.1
131 90.4 63.6 118.0
166 129.2 89.9 167.0



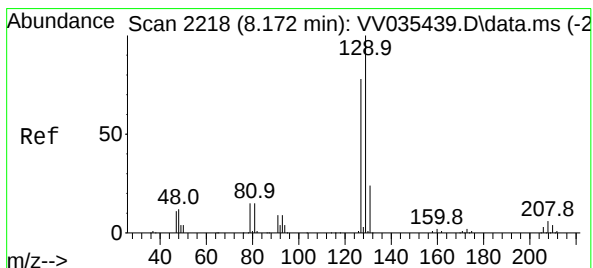
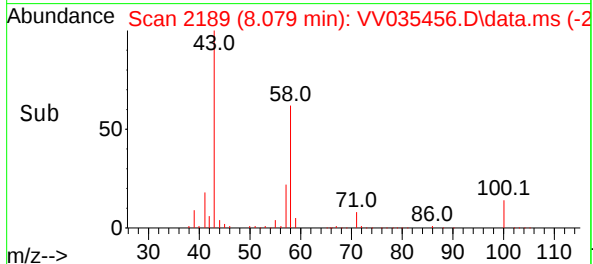
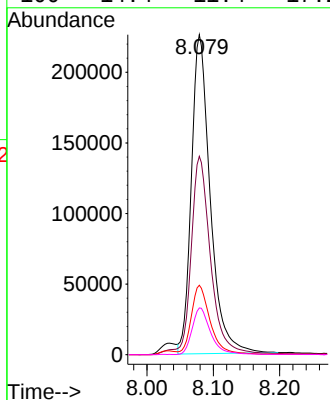
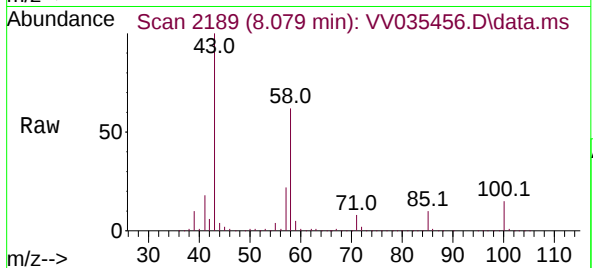


#48
2-Hexanone
Concen: 111.411 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 446617

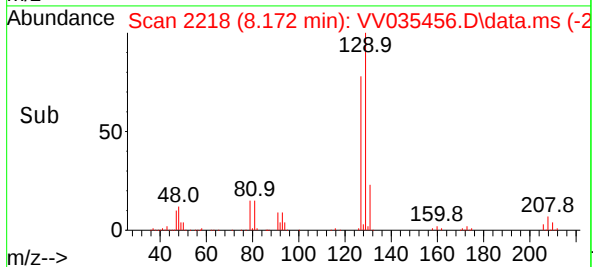
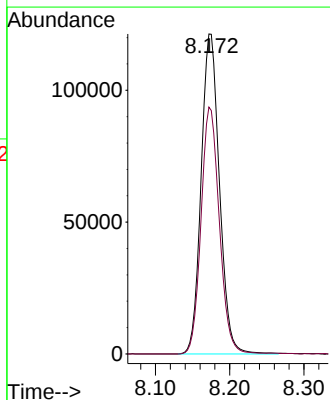
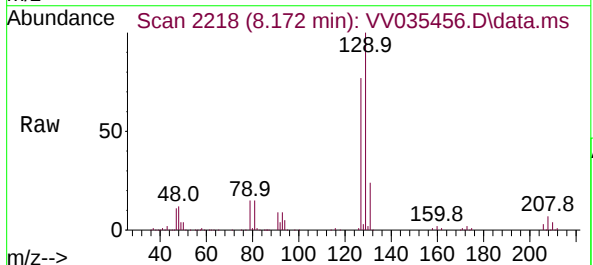
Ion	Ratio	Lower	Upper
43	100		
58	64.7	49.4	74.0
57	21.7	17.1	25.7
100	14.4	11.4	17.2

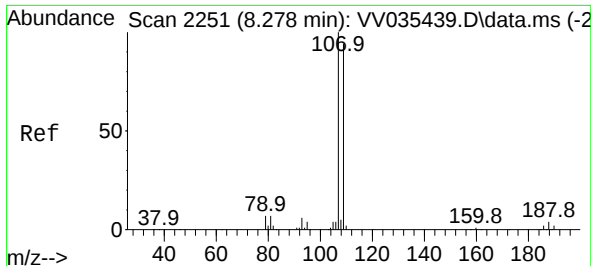


#49
Dibromochloromethane
Concen: 49.291 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion: 129 Resp: 207781

Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.1	98.5

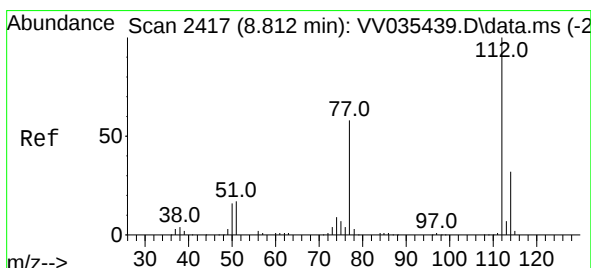
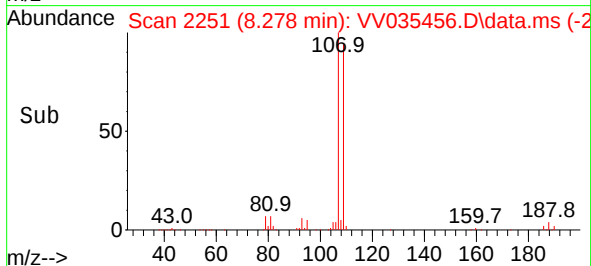
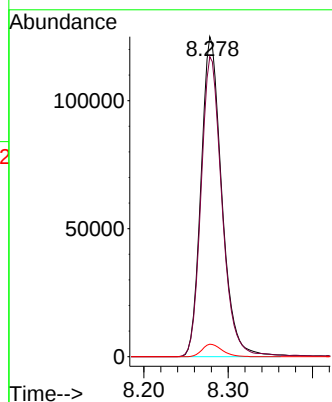
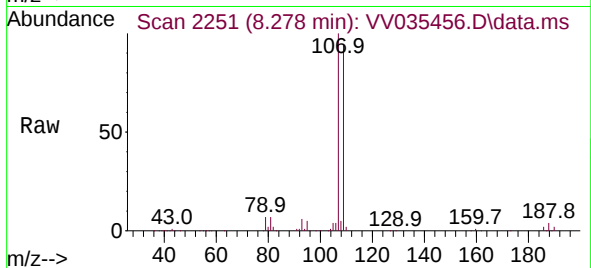




#50
1,2-Dibromoethane
Concen: 51.123 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

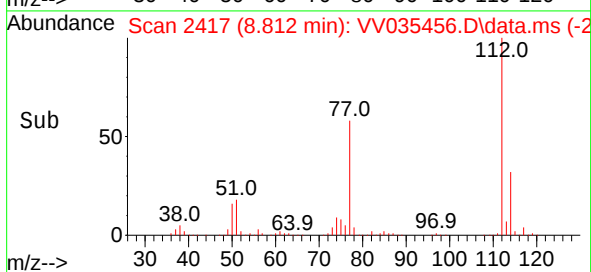
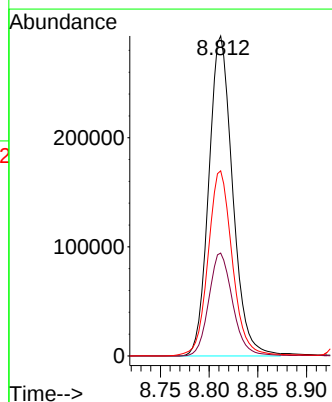
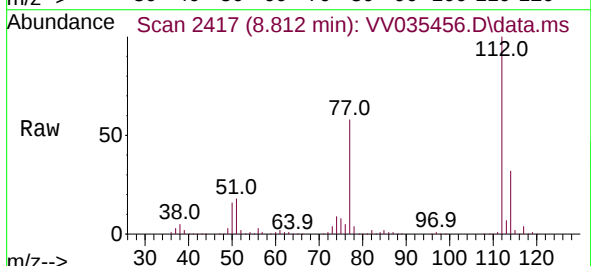
Instrument :
MSVOA_V
ClientSampleId :

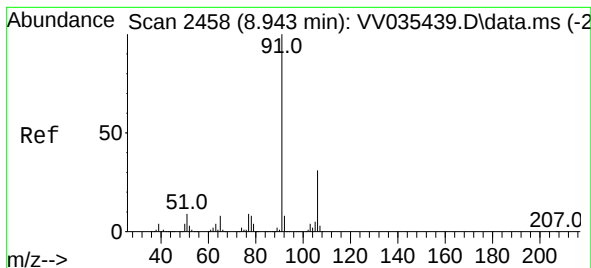
Tgt Ion:107 Resp: 214467
Ion Ratio Lower Upper
107 100
109 93.7 65.7 122.1
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 47.774 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion:112 Resp: 499313
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 57.9 45.6 68.4





#52

Ethylbenzene

Concen: 50.742 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

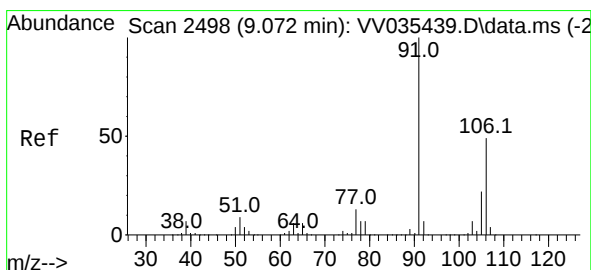
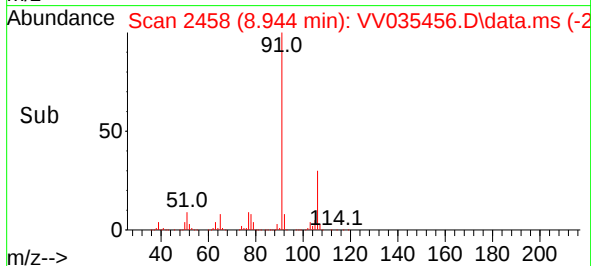
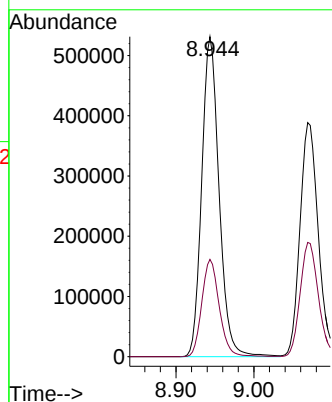
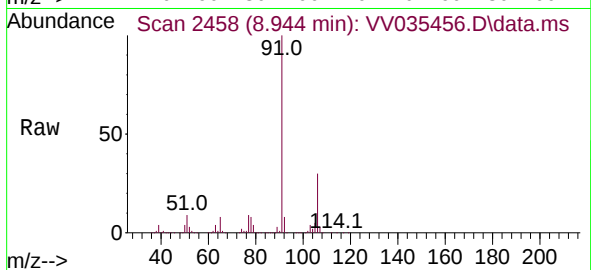
ClientSampleId :

Tgt Ion: 91 Resp: 821799

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5



#53

m,p-Xylene

Concen: 50.914 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.003 min

Lab File: VV035456.D

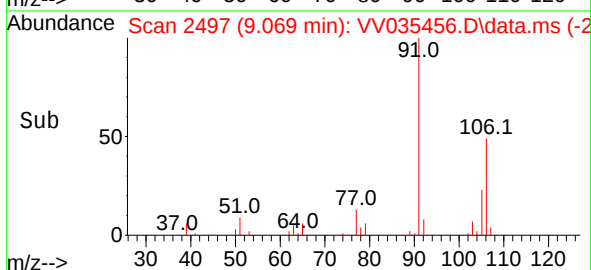
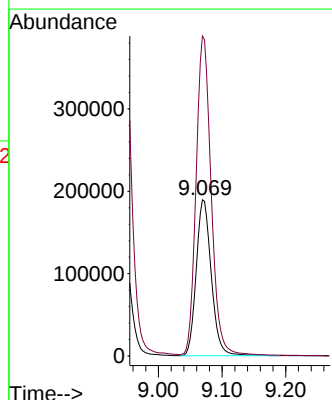
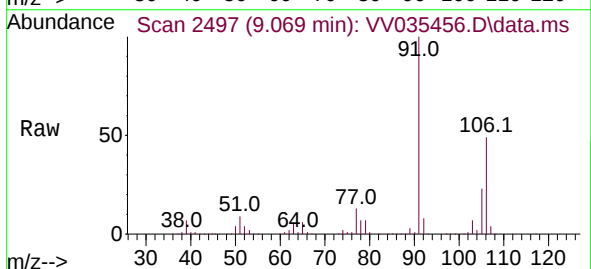
Acq: 27 Apr 2024 03:35

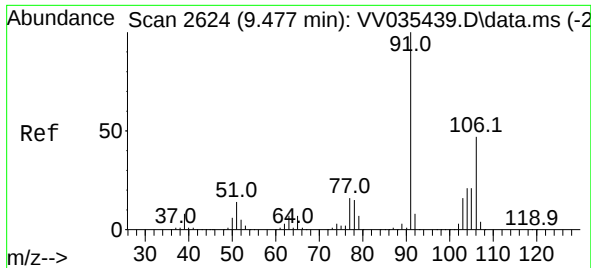
Tgt Ion:106 Resp: 312072

Ion Ratio Lower Upper

106 100

91 205.0 142.2 264.0

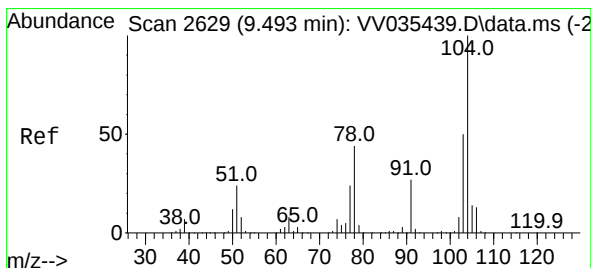
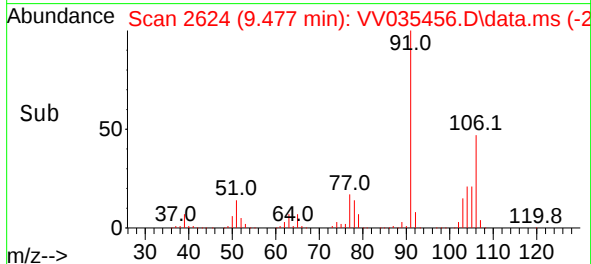
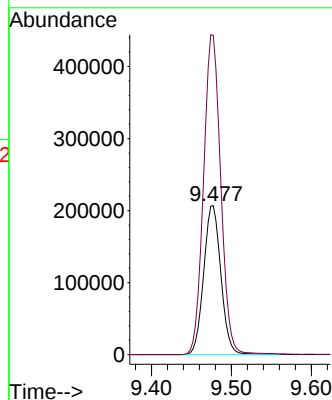
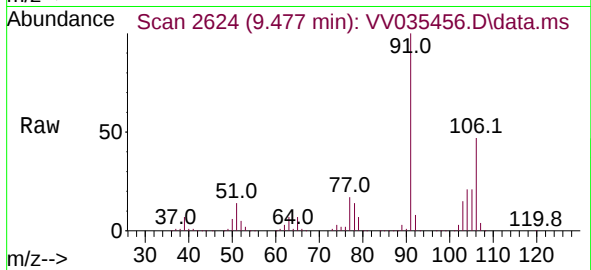




#54
o-Xylene
Concen: 51.813 ug/L
RT: 9.477 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

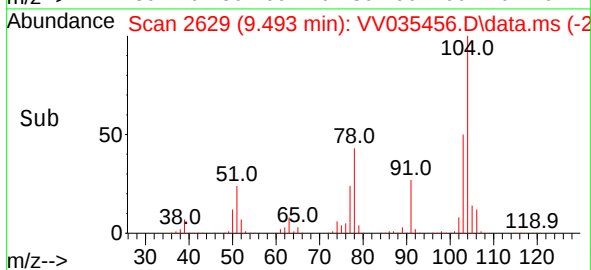
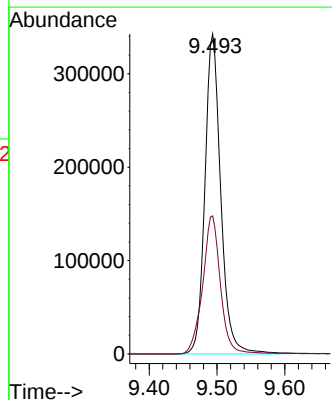
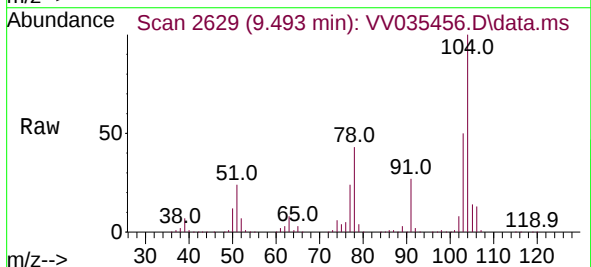
Instrument :
MSVOA_V
ClientSampleId :

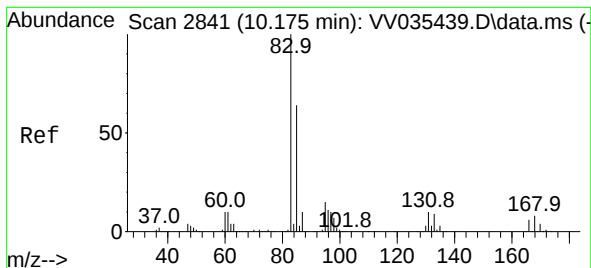
Tgt Ion:106 Resp: 310544
Ion Ratio Lower Upper
106 100
91 214.4 152.7 283.5



#55
Styrene
Concen: 53.840 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion:104 Resp: 556510
Ion Ratio Lower Upper
104 100
78 43.1 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 51.388 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

ClientSampleId :

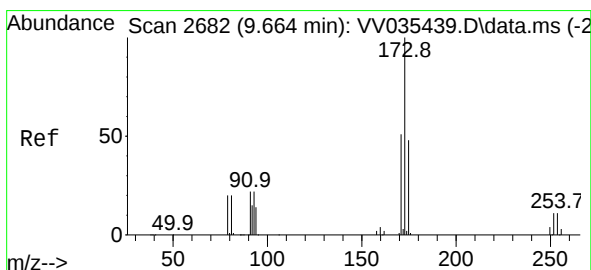
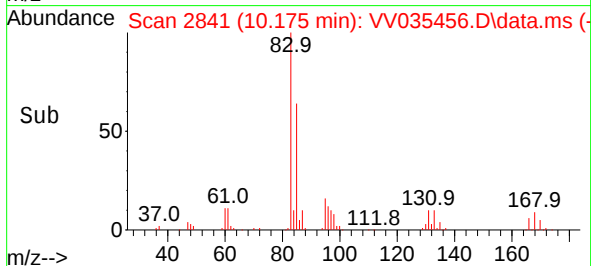
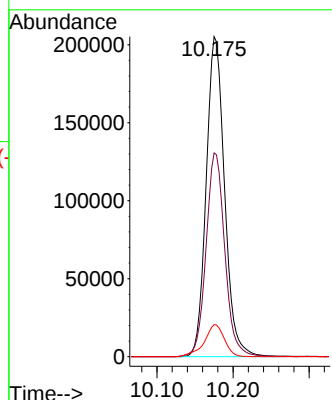
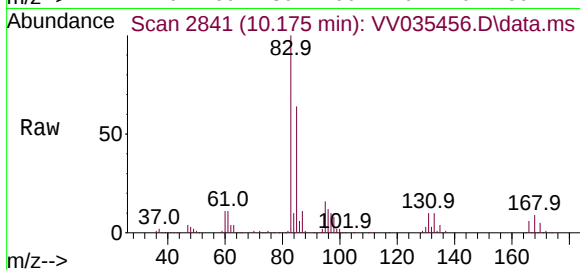
Tgt Ion: 83 Resp: 344454

Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.2

131 10.0 7.9 11.9



#59

Bromoform

Concen: 49.843 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

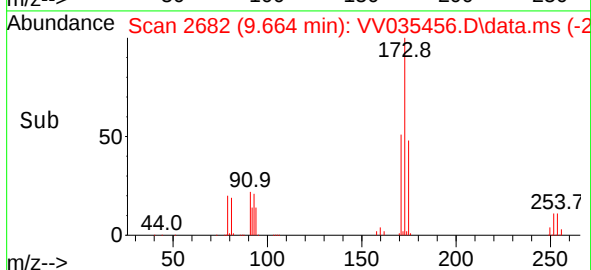
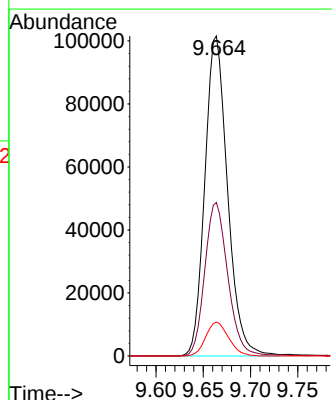
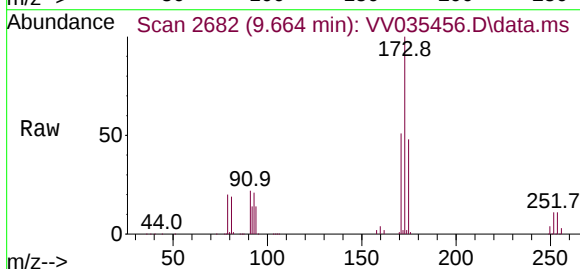
Tgt Ion: 173 Resp: 169666

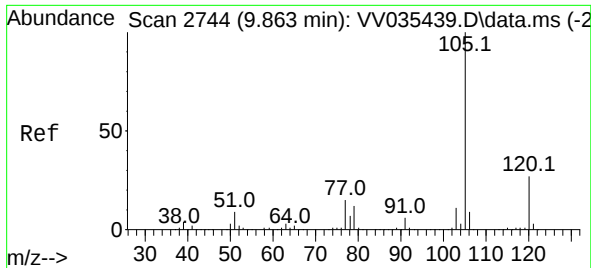
Ion Ratio Lower Upper

173 100

175 48.9 38.6 58.0

254 10.6 8.7 13.1

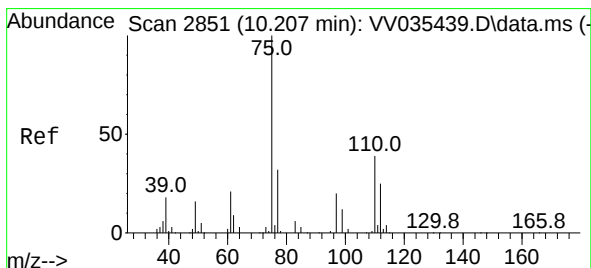
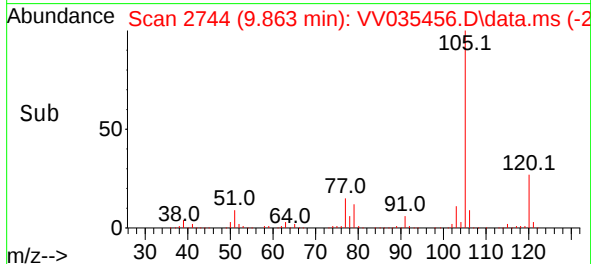
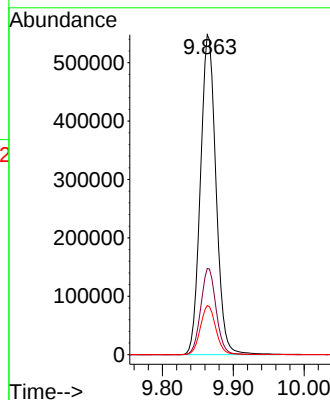
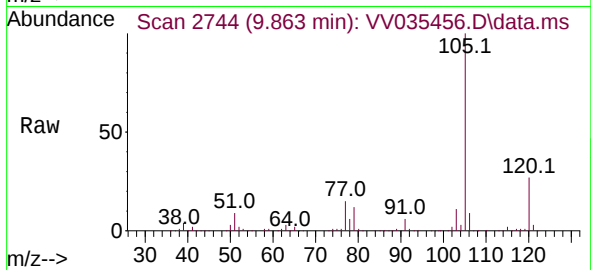




#60
Isopropylbenzene
Concen: 50.823 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

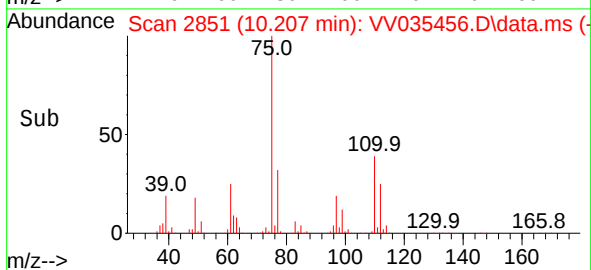
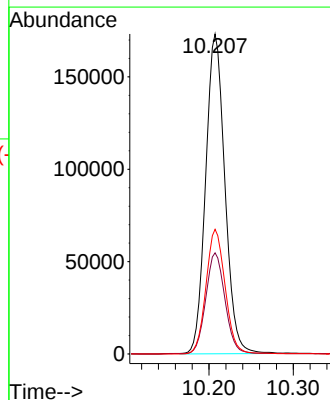
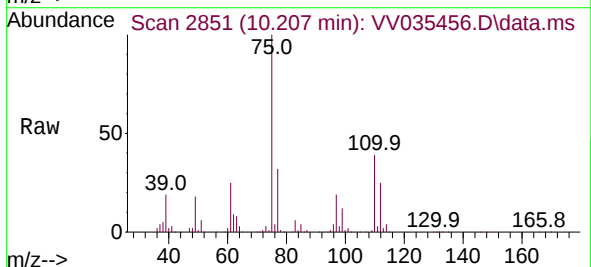
Instrument :
MSVOA_V
ClientSampleId :

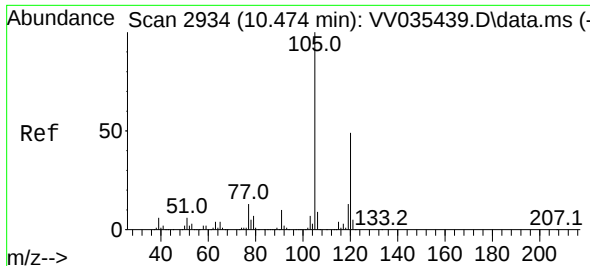
Tgt Ion:105 Resp: 836014
Ion Ratio Lower Upper
105 100
120 26.6 21.1 31.7
77 15.2 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 51.283 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV035456.D
Acq: 27 Apr 2024 03:35

Tgt Ion: 75 Resp: 275225
Ion Ratio Lower Upper
75 100
77 31.3 25.3 37.9
110 38.9 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 51.133 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

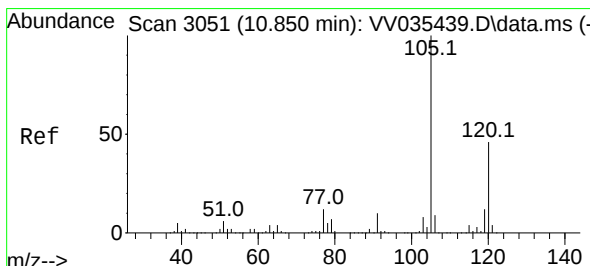
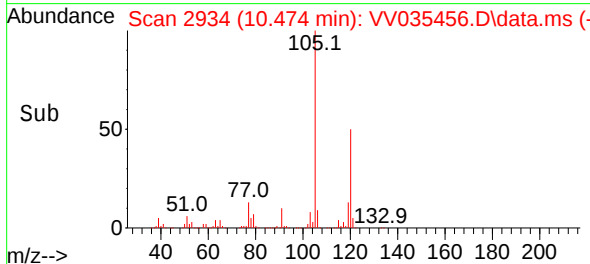
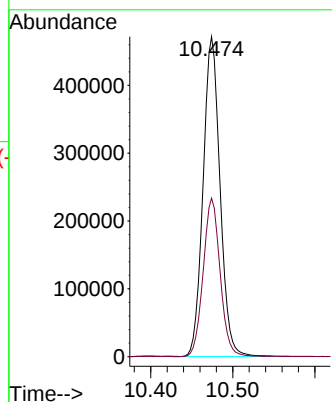
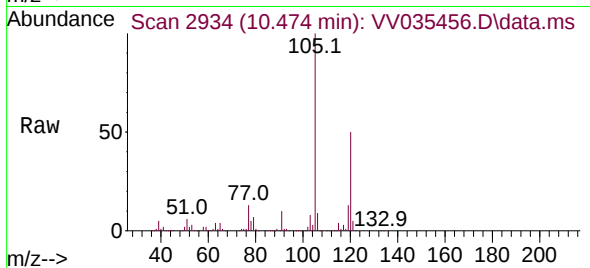
ClientSampleId :

Tgt Ion:105 Resp: 677613

Ion Ratio Lower Upper

105 100

120 49.6 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 52.607 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV035456.D

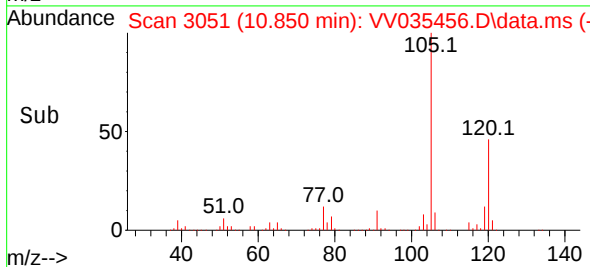
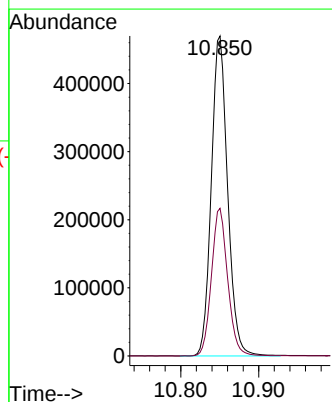
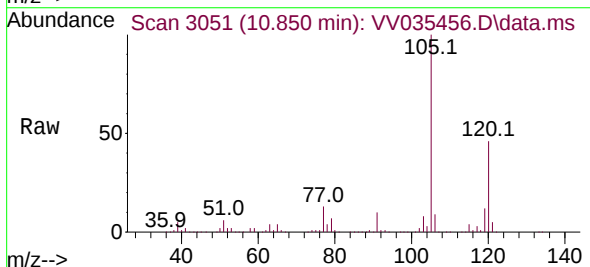
Acq: 27 Apr 2024 03:35

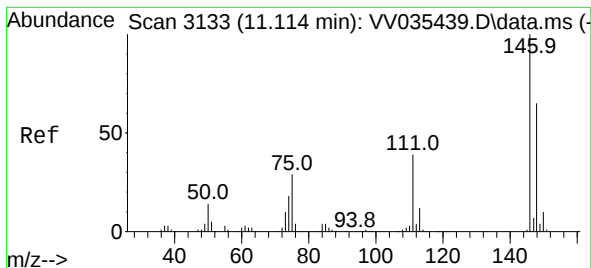
Tgt Ion:105 Resp: 682549

Ion Ratio Lower Upper

105 100

120 45.9 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 48.471 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

ClientSampleId :

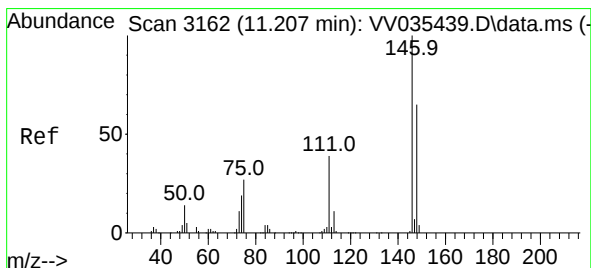
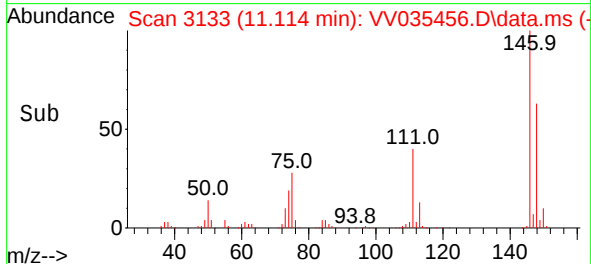
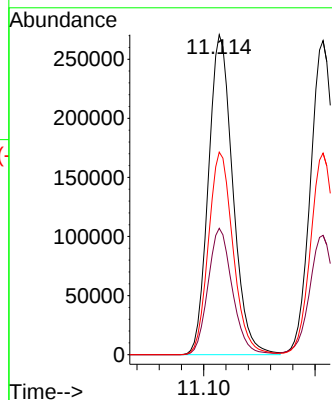
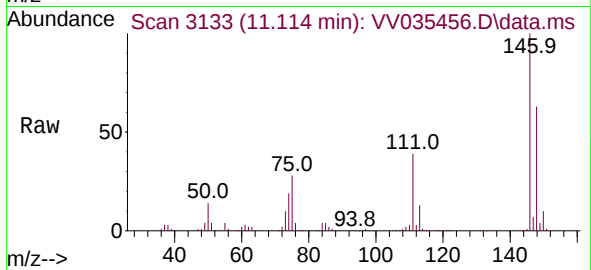
Tgt Ion:146 Resp: 413038

Ion Ratio Lower Upper

146 100

111 39.5 27.0 50.2

148 63.3 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 47.150 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

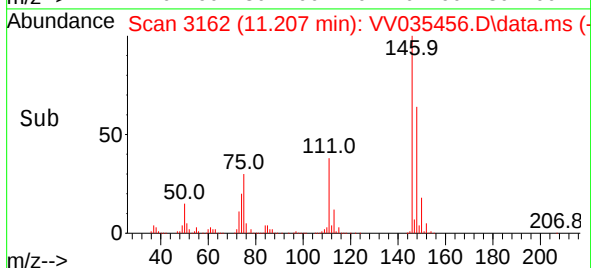
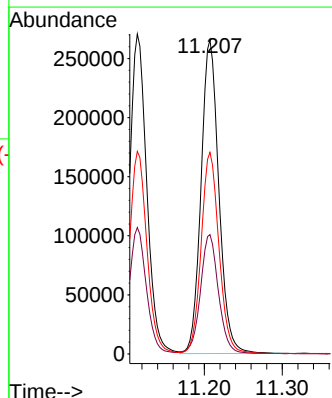
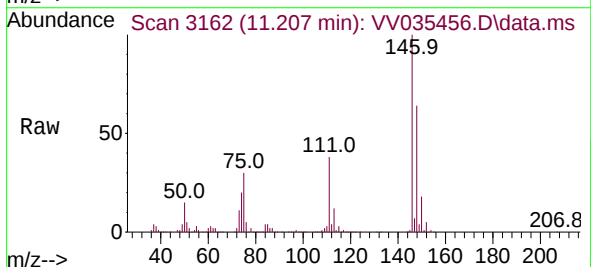
Tgt Ion:146 Resp: 421431

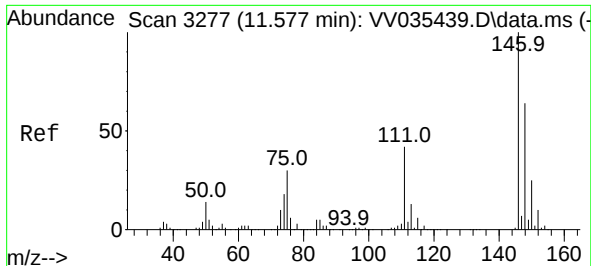
Ion Ratio Lower Upper

146 100

111 38.0 26.5 49.1

148 64.2 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 48.748 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

ClientSampleId :

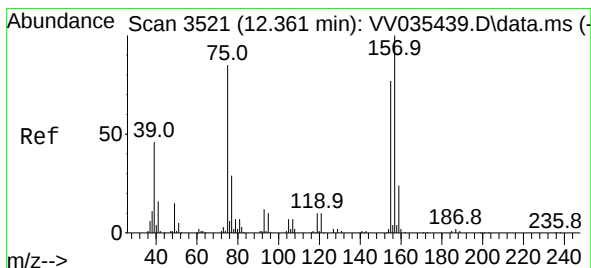
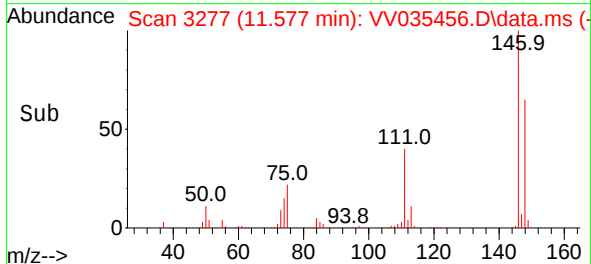
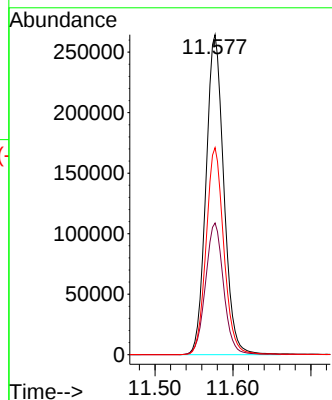
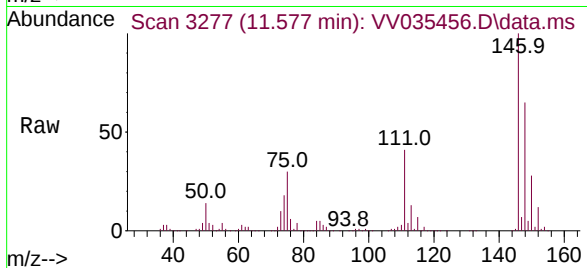
Tgt Ion:146 Resp: 420883

Ion Ratio Lower Upper

146 100

111 41.2 33.3 49.9

148 64.7 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 53.909 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

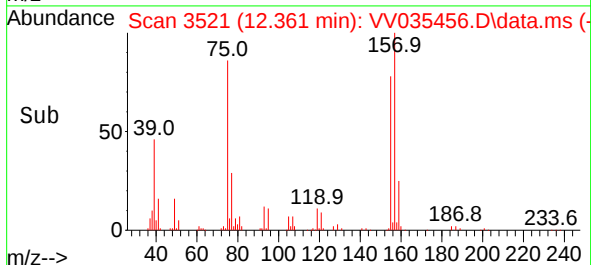
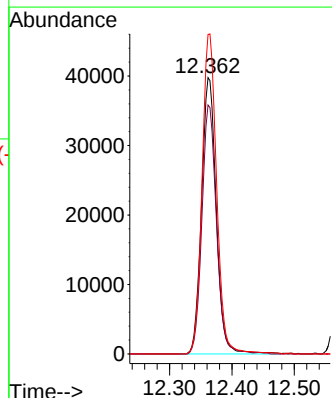
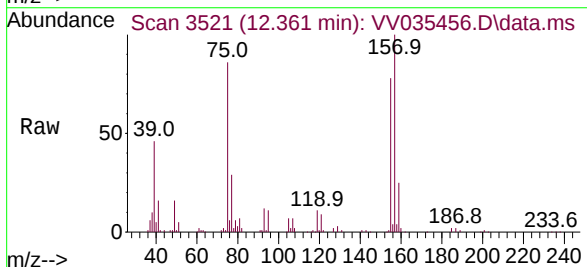
Tgt Ion: 75 Resp: 65455

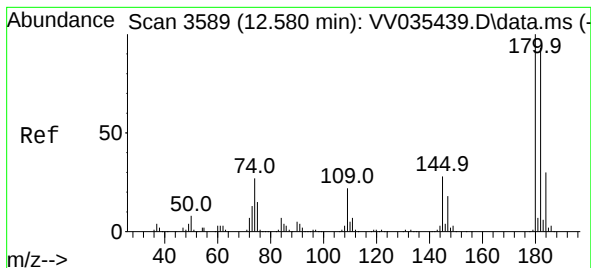
Ion Ratio Lower Upper

75 100

155 90.1 70.6 106.0

157 115.6 89.7 134.5





#69

1,3,5-Trichlorobenzene

Concen: 46.670 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

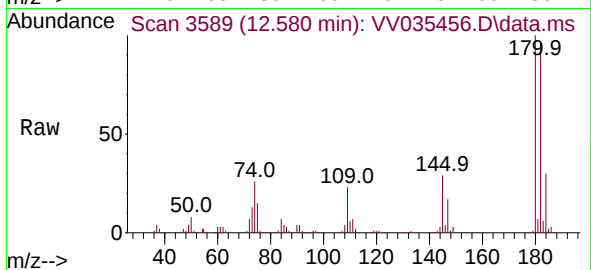
Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 281777

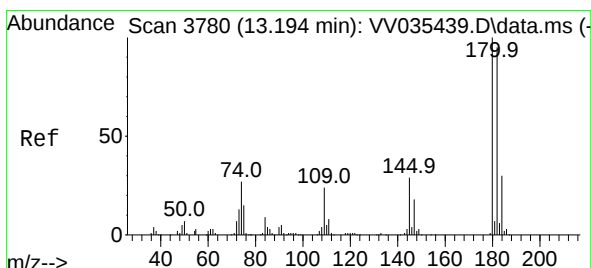
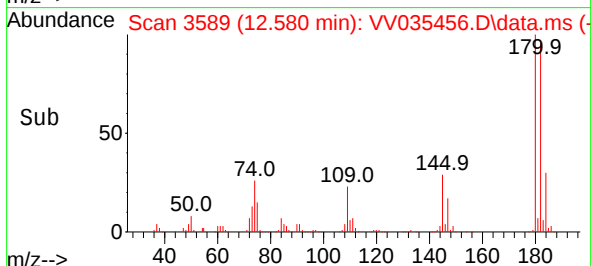
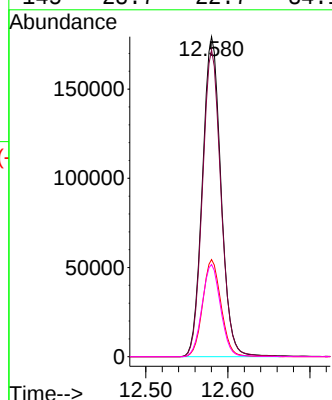
Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

184 29.9 23.8 35.6

145 28.7 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 46.688 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

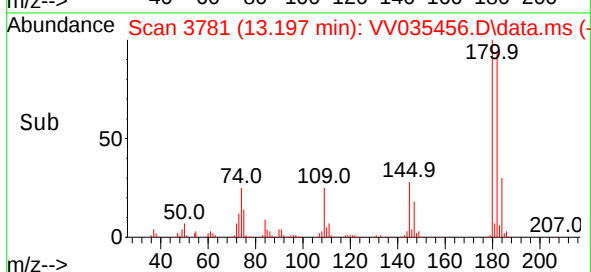
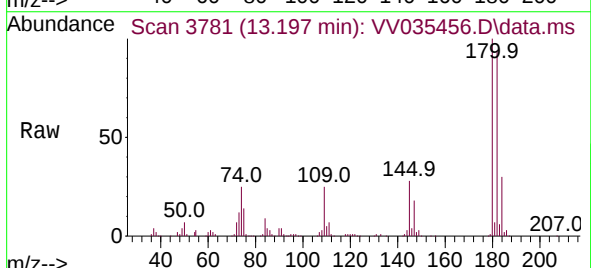
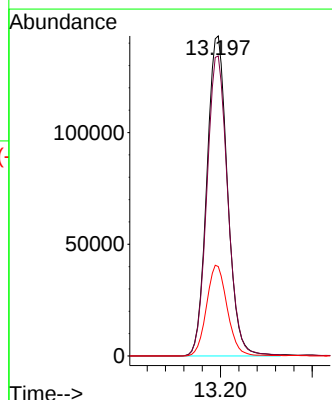
Tgt Ion:180 Resp: 223778

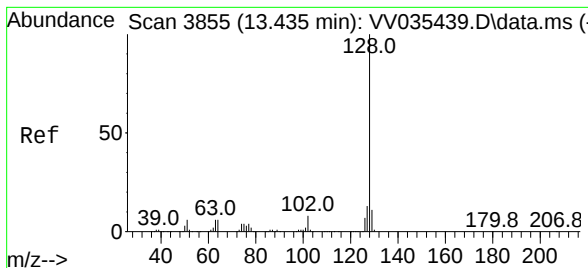
Ion Ratio Lower Upper

180 100

182 95.2 75.1 112.7

145 28.4 23.2 34.8





#71

Naphthalene

Concen: 49.090 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Instrument :

MSVOA_V

ClientSampleId :

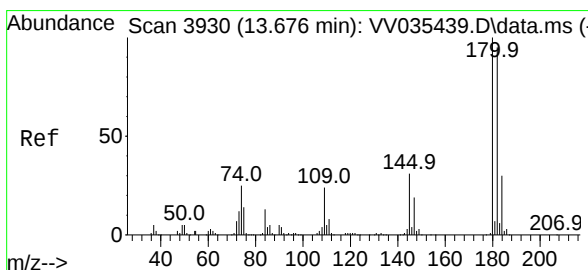
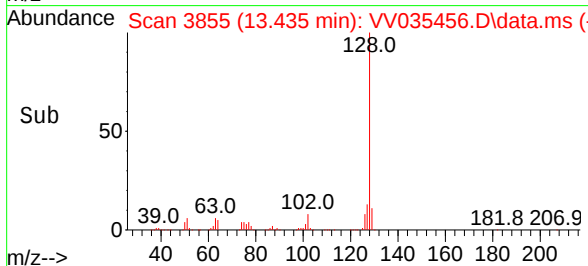
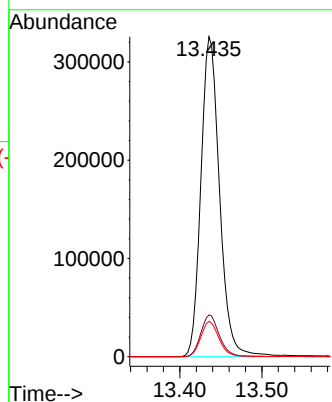
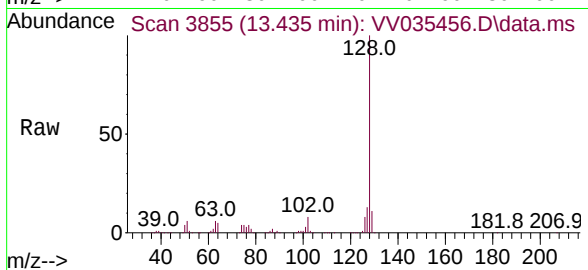
Tgt Ion:128 Resp: 513308

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.8 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 50.152 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035456.D

Acq: 27 Apr 2024 03:35

Tgt Ion:180 Resp: 234227

Ion Ratio Lower Upper

180 100

182 95.4 76.6 115.0

145 30.5 24.7 37.1

