

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052124\
 Data File : VV035634.D
 Acq On : 21 May 2024 08:24
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 22 02:10:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 21 02:11:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	405833	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	419038	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	239727	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	146775	23.399	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.600%
7) Chloroethane-d5	1.529	69	126053	24.910	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.640%
11) 1,1-Dichloroethene-d2	2.053	65	68448	24.648	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.600%
21) 2-Butanone-d5	3.838	46	85150	47.834	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.660%
24) Chloroform-d	4.240	84	323535	26.816	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.280%
26) 1,2-Dichloroethane-d4	4.937	65	153163	25.679	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.720%
32) Benzene-d6	4.954	84	577682	25.184	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.720%
36) 1,2-Dichloropropane-d6	5.982	67	184258	26.030	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.120%
41) Toluene-d8	7.240	98	520155	25.479	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.920%
43) trans-1,3-Dichloroprop...	7.551	79	73568	24.300	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.200%
47) 2-Hexanone-d5	8.027	63	62303	48.946	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.900%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	164536	24.121	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.480%
66) 1,2-Dichlorobenzene-d4	11.558	152	203421	24.451	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	209901	25.440	ug/L	99
3) Chloromethane	1.211	50	197644	23.859	ug/L	100
5) Vinyl chloride	1.278	62	222414	25.988	ug/L	100
6) Bromomethane	1.484	94	133817	24.694	ug/L	99
8) Chloroethane	1.545	64	140758	26.680	ug/L	97
9) Trichlorofluoromethane	1.709	101	308911	27.653	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	203369	28.854	ug/L	99
12) 1,1-Dichloroethene	2.063	96	172030	27.022	ug/L	94
13) Acetone	2.150	43	99556	38.205	ug/L	97
14) Carbon disulfide	2.233	76	455898	22.609	ug/L	99
15) Methyl Acetate	2.384	43	80565	20.407	ug/L	92
16) Methylene chloride	2.439	84	203610	21.757	ug/L	95
17) trans-1,2-Dichloroethene	2.687	96	186054	26.325	ug/L	99
18) Methyl tert-butyl Ether	2.700	73	450823	26.444	ug/L	99
19) 1,1-Dichloroethane	3.105	63	374931	28.298	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	202203	26.392	ug/L	97
22) 2-Butanone	3.909	43	80589	33.302	ug/L	94
23) Bromochloromethane	4.140	128	96250	25.974	ug/L	97
25) Chloroform	4.269	83	385420	28.170	ug/L	99

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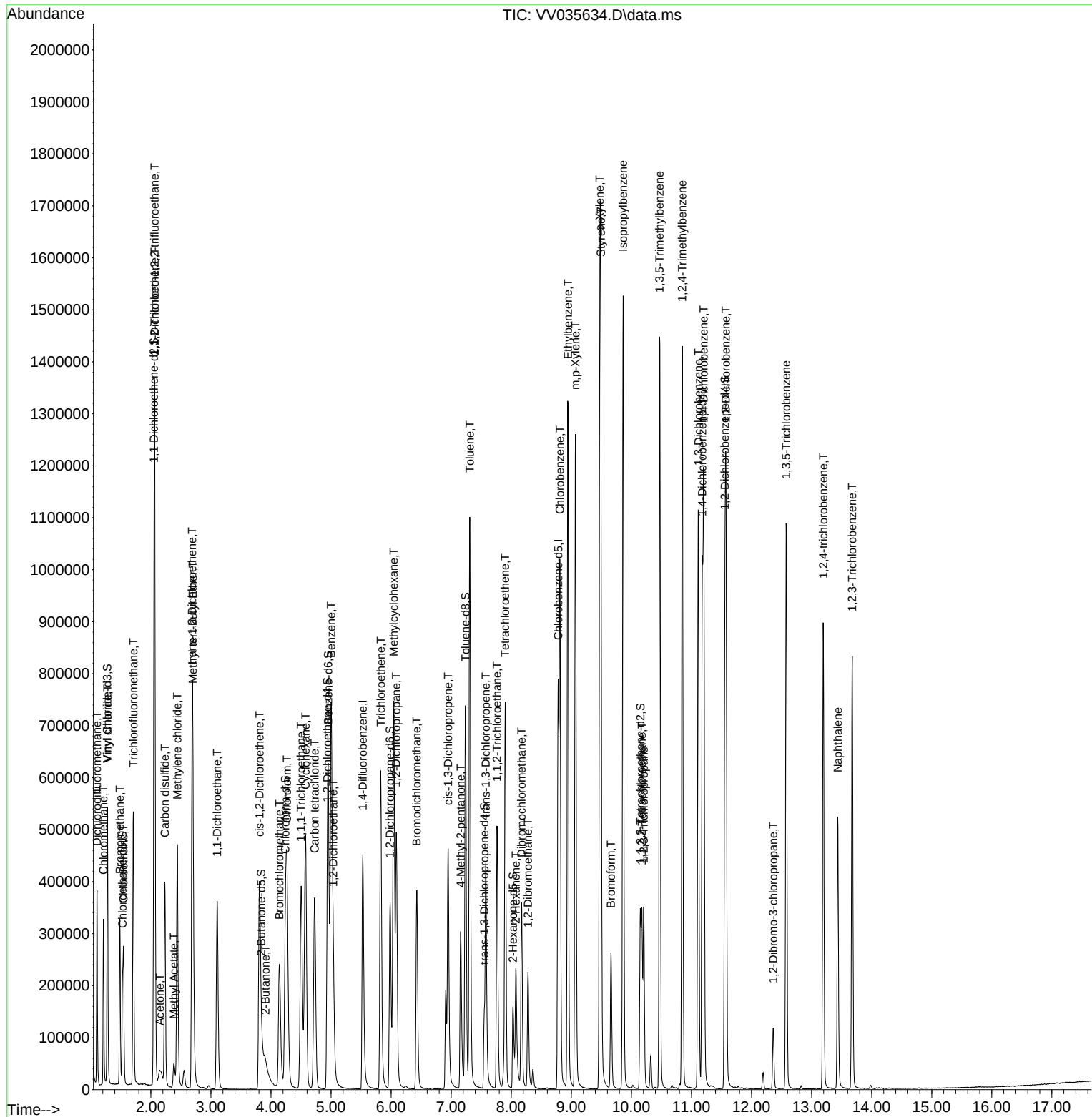
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	231273	27.146	ug/L	99
29) Cyclohexane	4.574	56	270624	27.007	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	334867	28.821	ug/L	99
31) Carbon tetrachloride	4.725	117	291972	28.640	ug/L	100
33) Benzene	5.002	78	775761	27.972	ug/L	100
34) Trichloroethene	5.828	95	226512	28.874	ug/L	100
35) Methylcyclohexane	6.043	83	320198	26.885	ug/L	97
37) 1,2-Dichloropropane	6.085	63	204381	28.246	ug/L	100
38) Bromodichloromethane	6.426	83	274851	28.040	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	308480	27.258	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	217715	50.241	ug/L	96
42) Toluene	7.310	91	835219	28.458	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	266330	26.902	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	165219	26.874	ug/L	98
46) Tetrachloroethene	7.899	164	172279	27.031	ug/L	99
48) 2-Hexanone	8.079	43	154217	47.464	ug/L	99
49) Dibromochloromethane	8.172	129	187171	26.981	ug/L	99
50) 1,2-Dibromoethane	8.278	107	155283	25.638	ug/L	100
51) Chlorobenzene	8.809	112	552176	27.114	ug/L	100
52) Ethylbenzene	8.944	91	924357	28.525	ug/L	100
53) m,p-Xylene	9.069	106	354163	28.807	ug/L	100
54) o-Xylene	9.474	106	333400	28.613	ug/L	99
55) Styrene	9.490	104	604843	29.761	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	169434	22.624	ug/L	99
59) Bromoform	9.661	173	119458	25.356	ug/L	99
60) Isopropylbenzene	9.863	105	948486	29.702	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	144083	25.649	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	750757	29.969	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	758105	29.449	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	459461	27.417	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	471343	27.168	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	428550	27.166	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	31545	24.212	ug/L	93
69) 1,3,5-Trichlorobenzene	12.577	180	350497	26.764	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	279022	25.516	ug/L	99
71) Naphthalene	13.435	128	413182	21.523	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	247362	25.145	ug/L	99

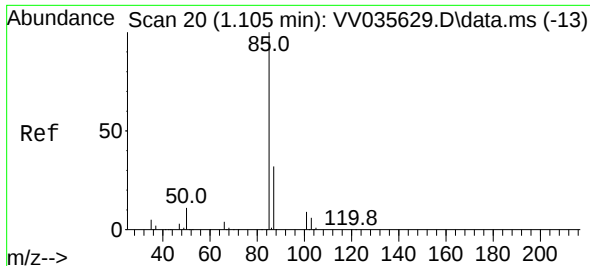
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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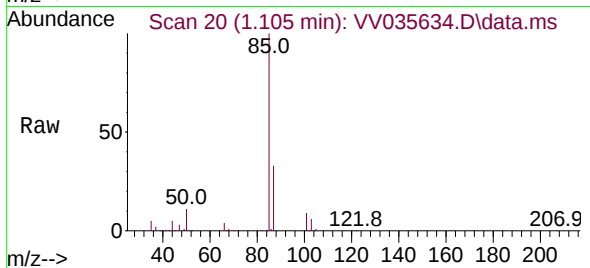
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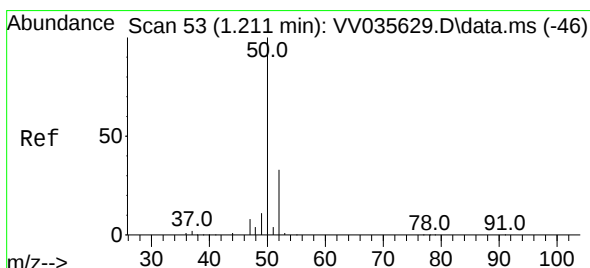
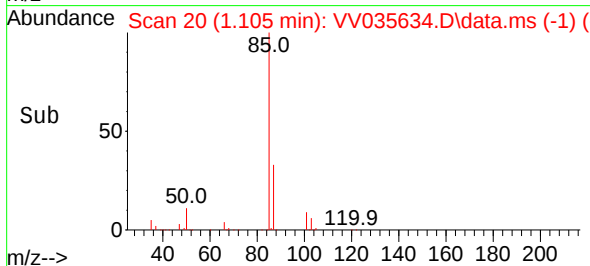
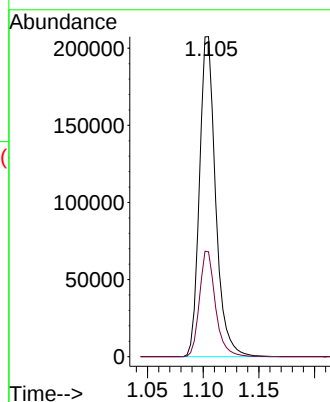


#2
Dichlorodifluoromethane
Concen: 25.440 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Instrument :
MSVOA_V
ClientSampleId :

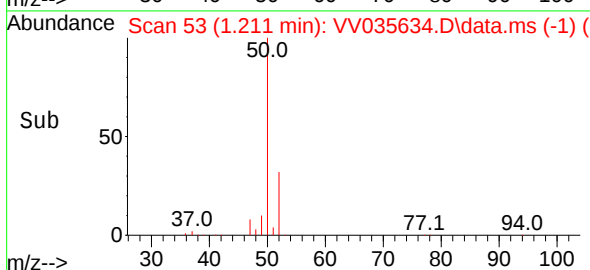
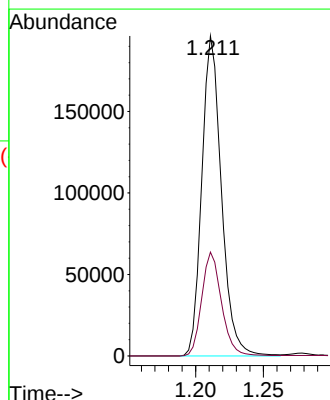
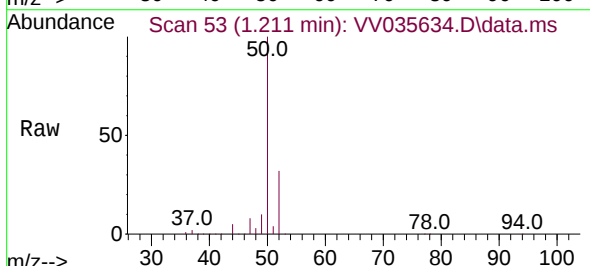


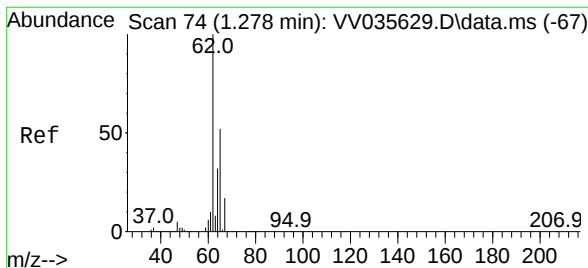
Tgt Ion: 85 Resp: 209901
Ion Ratio Lower Upper
85 100
87 32.6 25.8 38.6



#3
Chloromethane
Concen: 23.859 ug/L
RT: 1.211 min Scan# 53
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

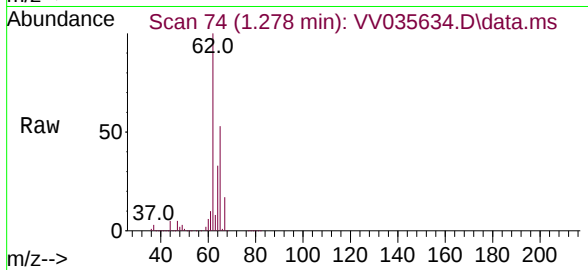
Tgt Ion: 50 Resp: 197644
Ion Ratio Lower Upper
50 100
52 32.5 22.7 42.1



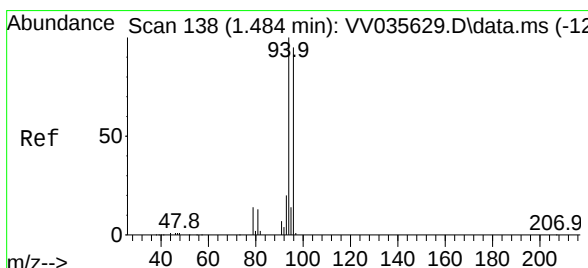
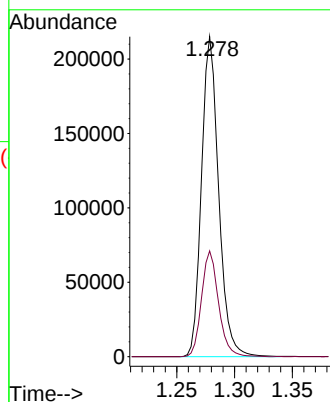
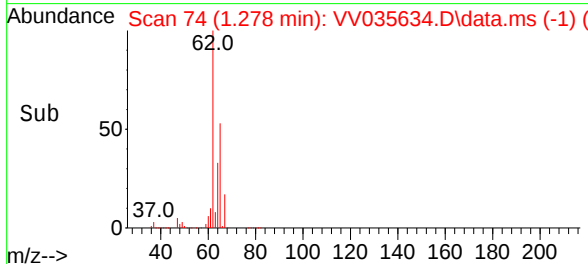


#5
 Vinyl chloride
 Concen: 25.988 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV035634.D
 Acq: 21 May 2024 08:24

Instrument :
 MSVOA_V
 ClientSampleId :

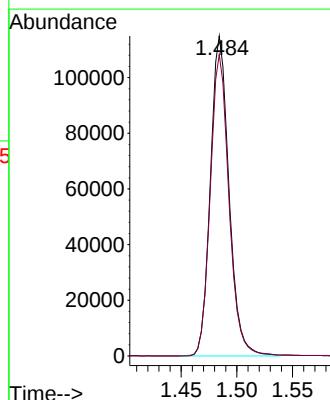
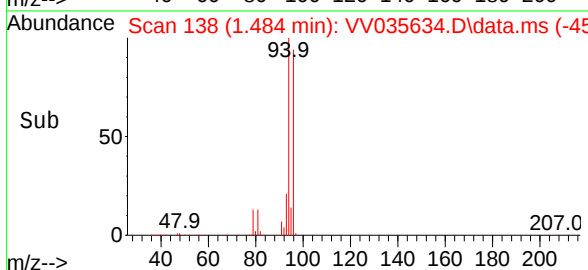
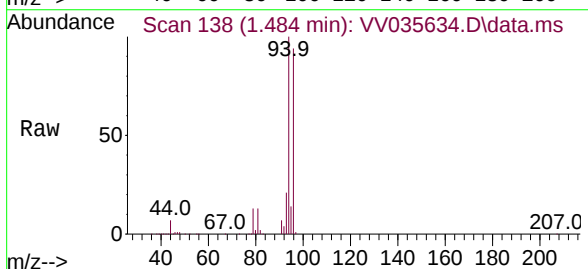


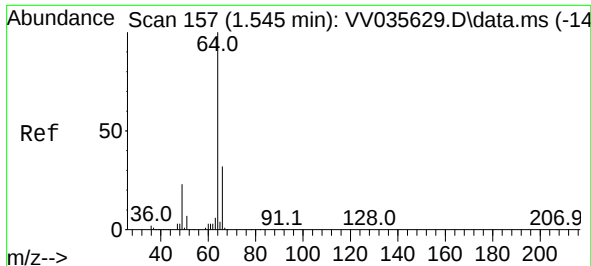
Tgt Ion: 62 Resp: 222414
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.0 42.6



#6
 Bromomethane
 Concen: 24.694 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV035634.D
 Acq: 21 May 2024 08:24

Tgt Ion: 94 Resp: 133817
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.2 121.0

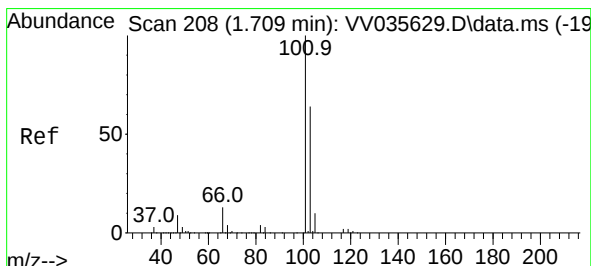
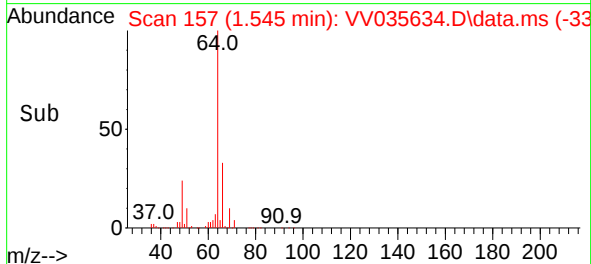
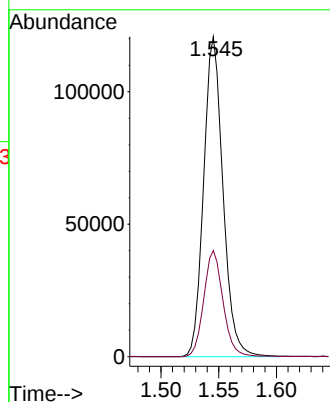
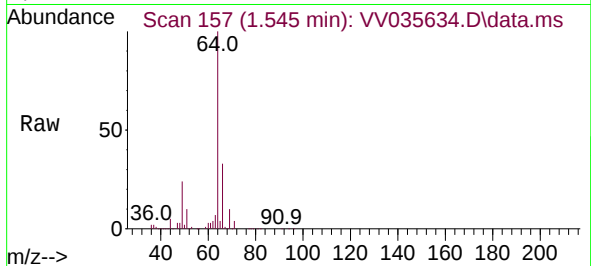




#8
Chloroethane
Concen: 26.680 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

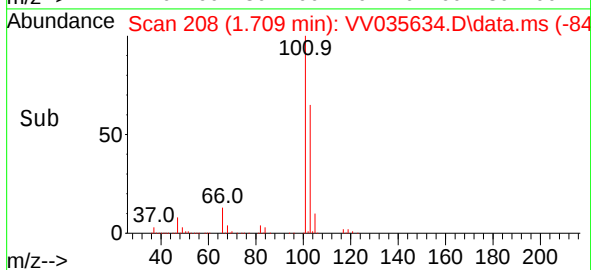
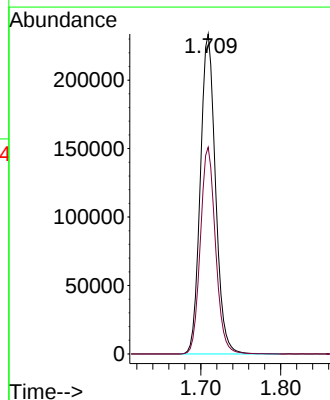
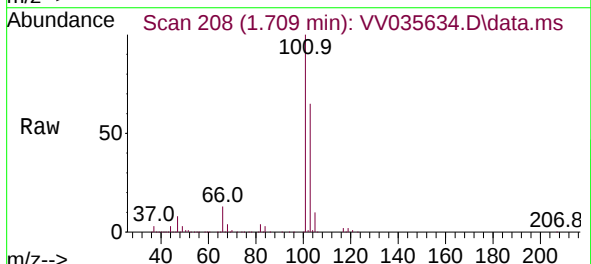
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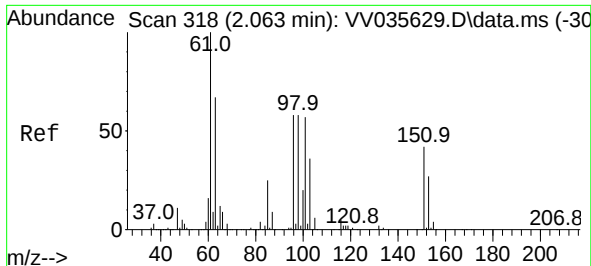
Tgt Ion: 64 Resp: 140758
Ion Ratio Lower Upper
64 100
66 33.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 27.653 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion:101 Resp: 308911
Ion Ratio Lower Upper
101 100
103 64.5 51.5 77.3

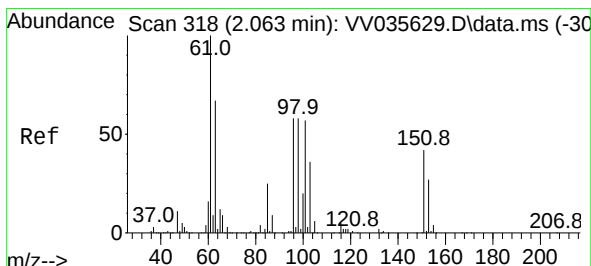
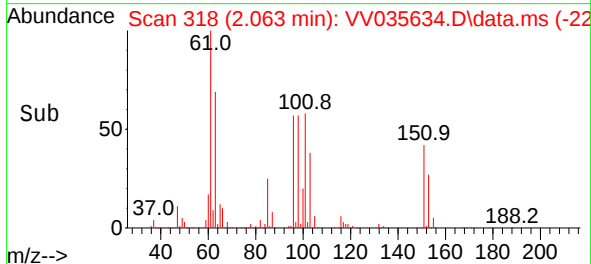
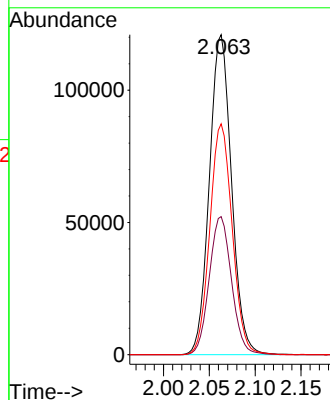
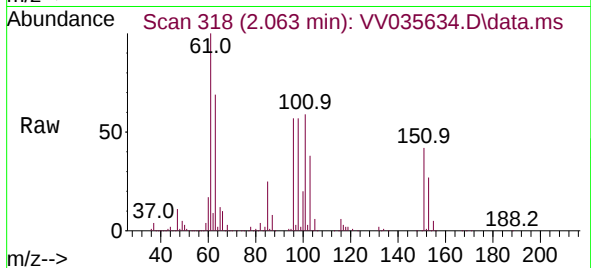




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 28.854 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

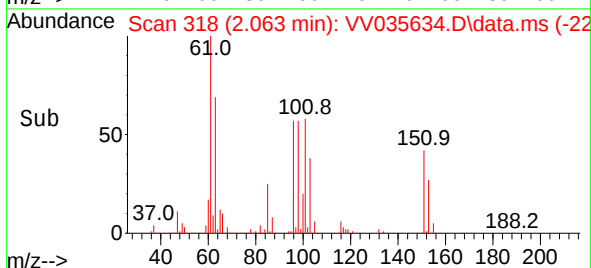
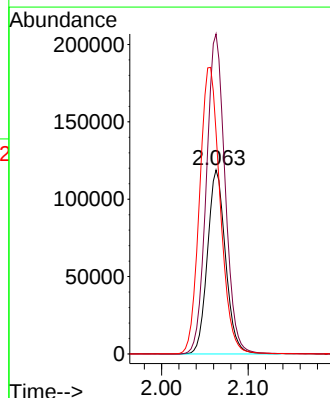
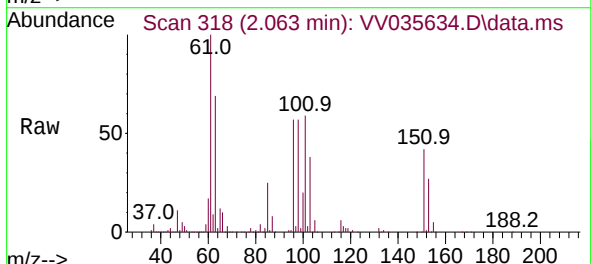
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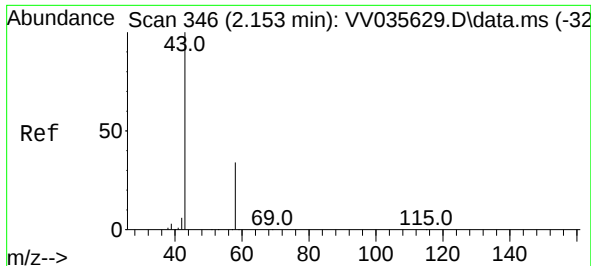
Tgt Ion:101 Resp: 203369
Ion Ratio Lower Upper
101 100
85 43.4 34.2 51.4
151 73.0 59.5 89.3



#12
1,1-Dichloroethene
Concen: 27.022 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion: 96 Resp: 172030
Ion Ratio Lower Upper
96 100
61 174.0 119.8 222.4
63 120.7 75.6 140.4





#13

Acetone

Concen: 38.205 ug/L

RT: 2.150 min Scan# 346

Delta R.T. -0.003 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

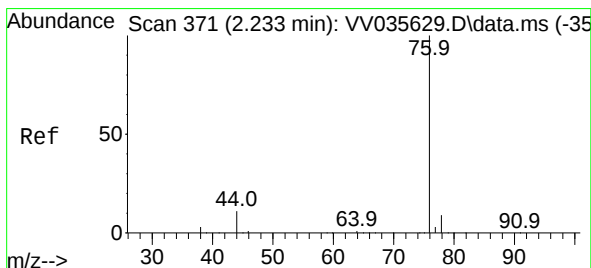
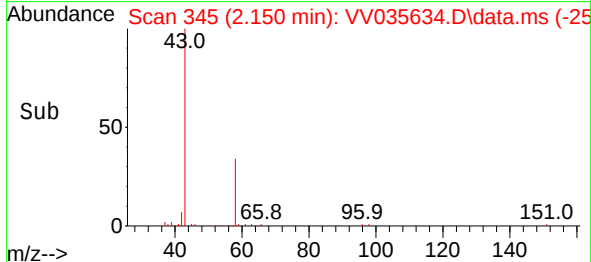
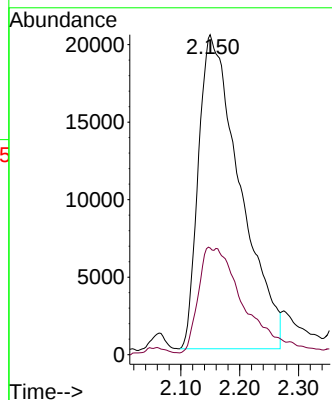
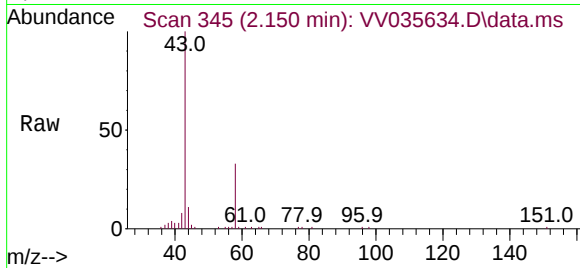
ClientSampleId :

Tgt Ion: 43 Resp: 99556

Ion Ratio Lower Upper

43 100

58 12.7 0.0 22.8



#14

Carbon disulfide

Concen: 22.609 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV035634.D

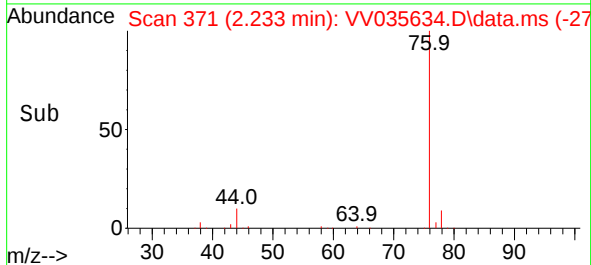
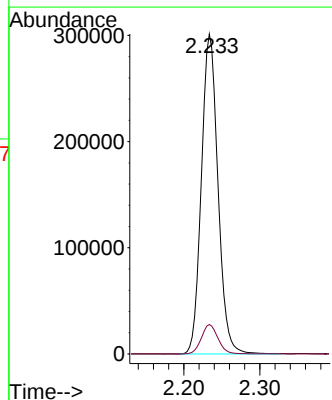
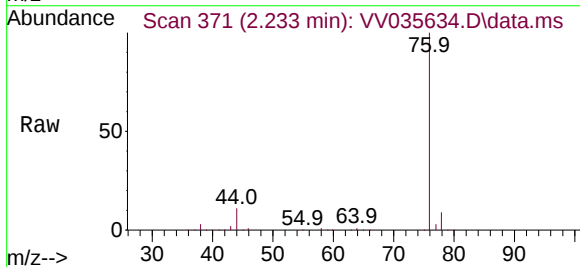
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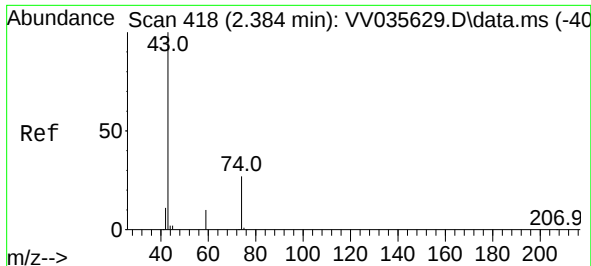
Tgt Ion: 76 Resp: 455898

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 20.407 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

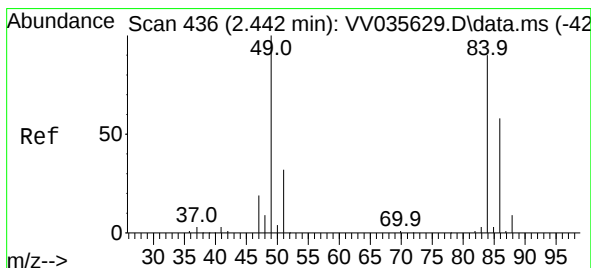
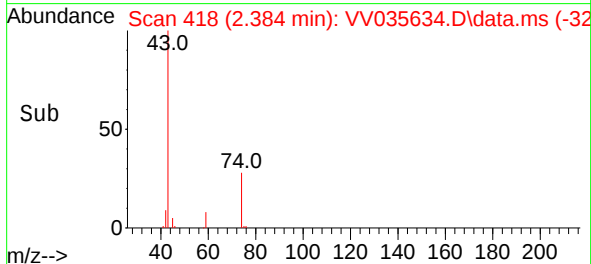
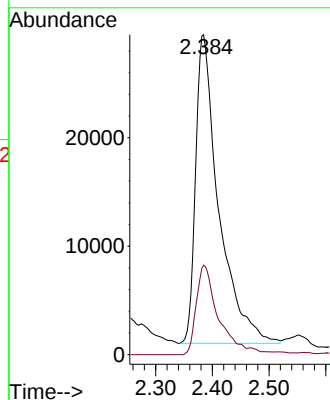
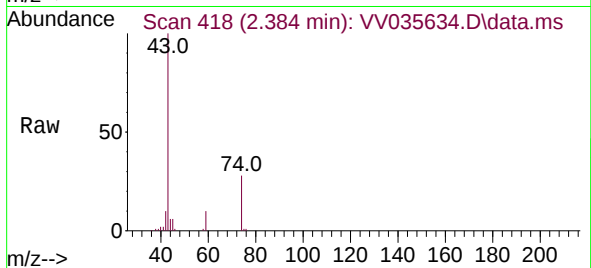
ClientSampleId :

Tgt Ion: 43 Resp: 80565

Ion Ratio Lower Upper

43 100

74 26.9 18.6 27.8



#16

Methylene chloride

Concen: 21.757 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.003 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

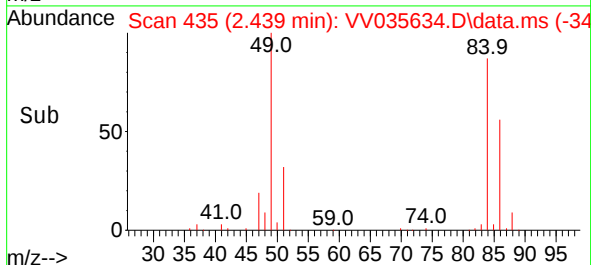
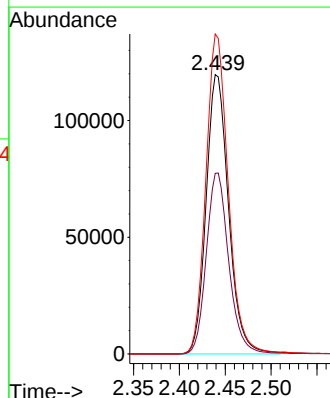
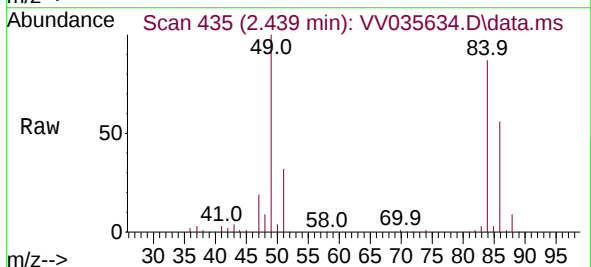
Tgt Ion: 84 Resp: 203610

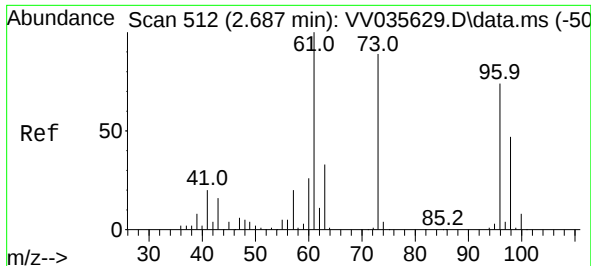
Ion Ratio Lower Upper

84 100

86 64.7 43.8 81.3

49 114.6 75.3 139.9

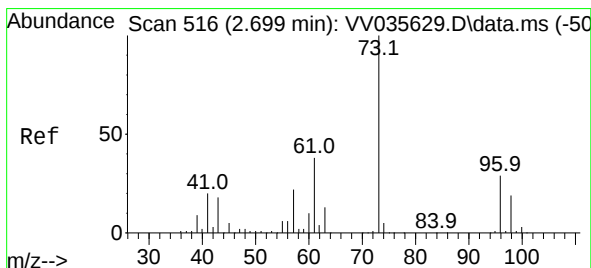
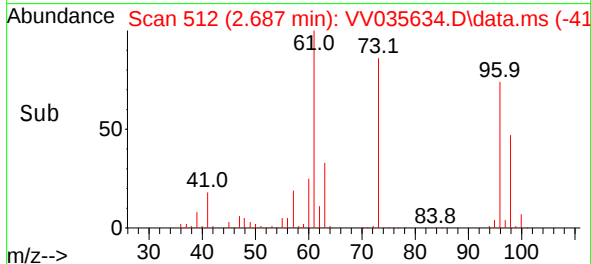
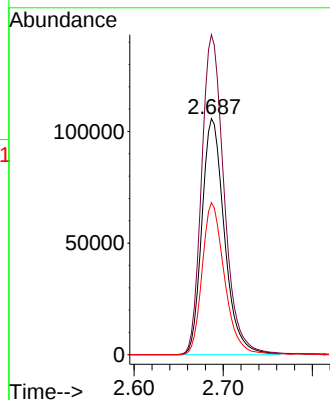
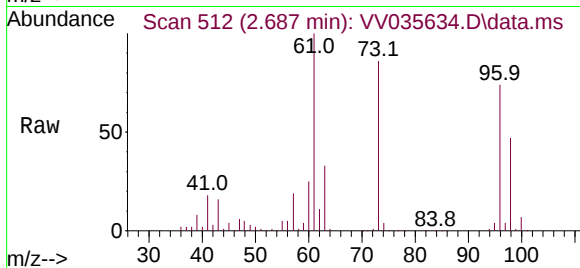




#17
trans-1,2-Dichloroethene
Concen: 26.325 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

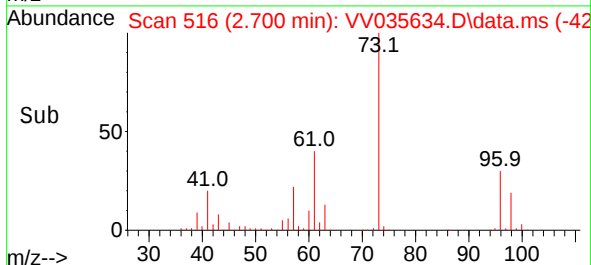
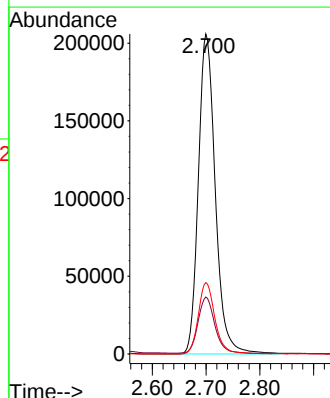
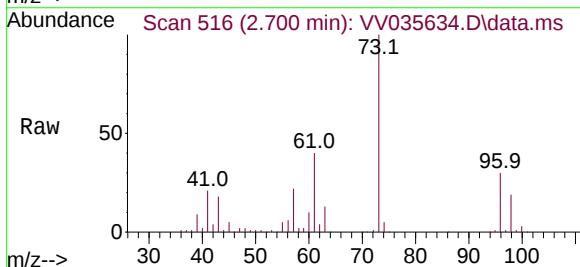
Instrument :
MSVOA_V
ClientSampleId :

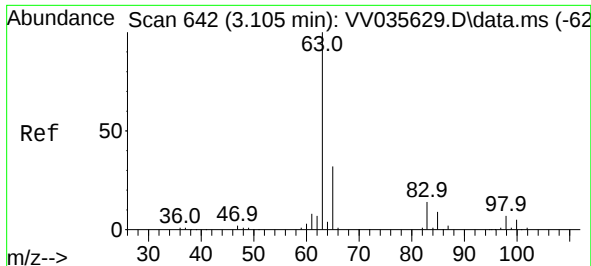
Tgt Ion: 96 Resp: 186054
Ion Ratio Lower Upper
96 100
61 135.6 95.5 177.4
98 64.4 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 26.444 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion: 73 Resp: 450823
Ion Ratio Lower Upper
73 100
43 17.4 13.3 19.9
57 21.9 17.4 26.2

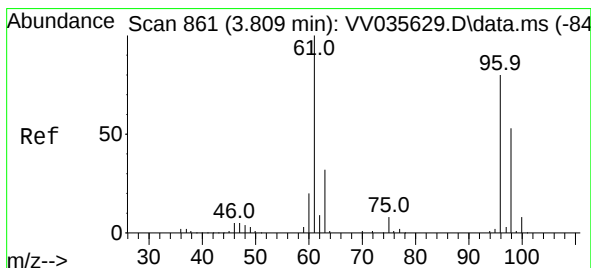
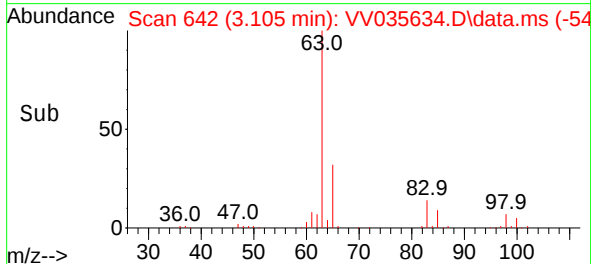
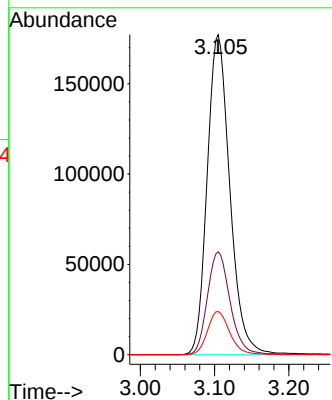
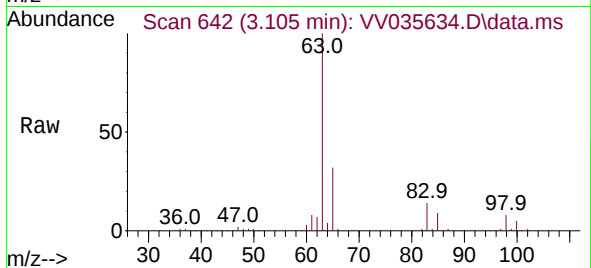




#19
1,1-Dichloroethane
Concen: 28.298 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

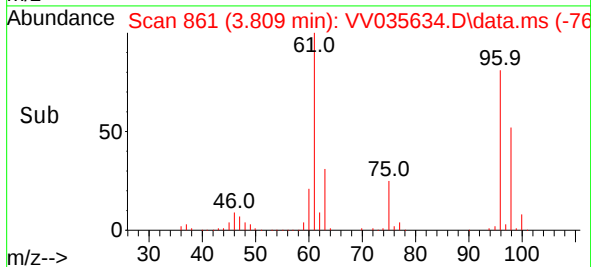
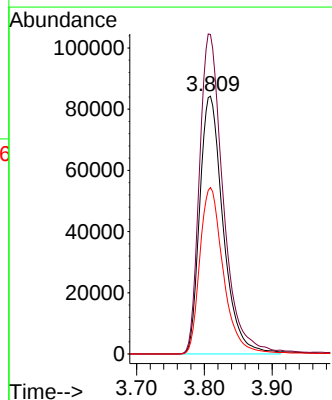
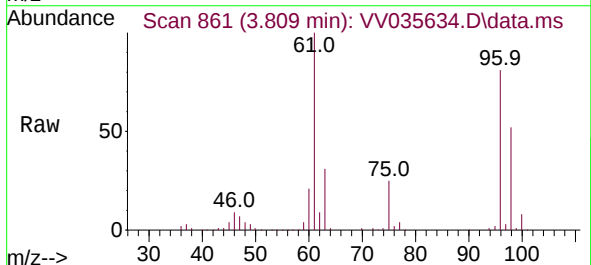
Instrument :
MSVOA_V
ClientSampleId :

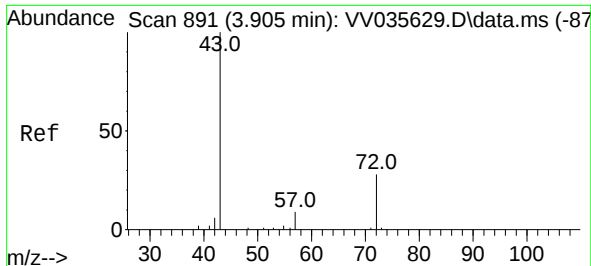
Tgt Ion: 63 Resp: 374931
Ion Ratio Lower Upper
63 100
65 32.2 22.7 42.3
83 13.5 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 26.392 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion: 96 Resp: 202203
Ion Ratio Lower Upper
96 100
61 124.0 83.9 155.9
98 64.5 44.0 81.8

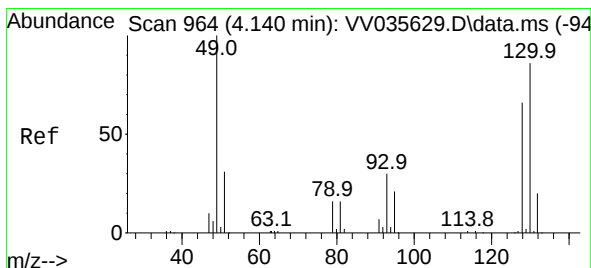
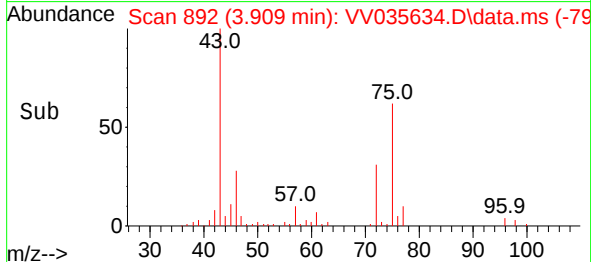
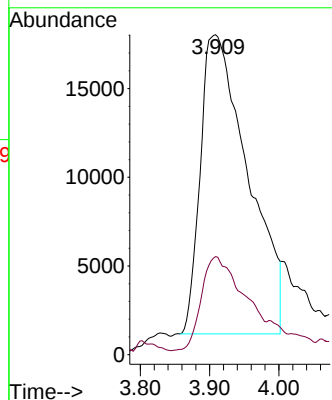
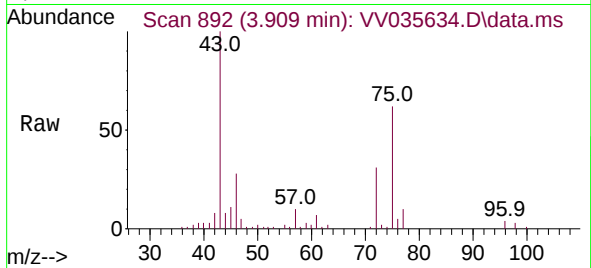




#22
2-Butanone
Concen: 33.302 ug/L
RT: 3.909 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

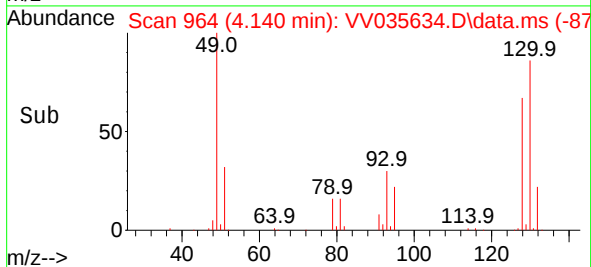
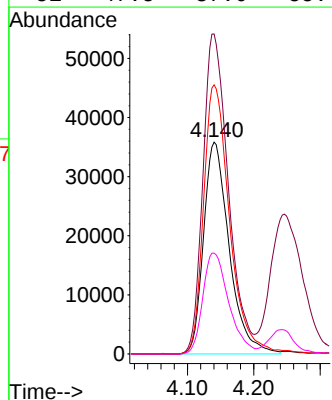
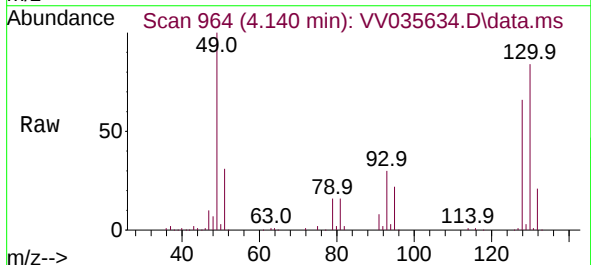
Instrument :
MSVOA_V
ClientSampleId :

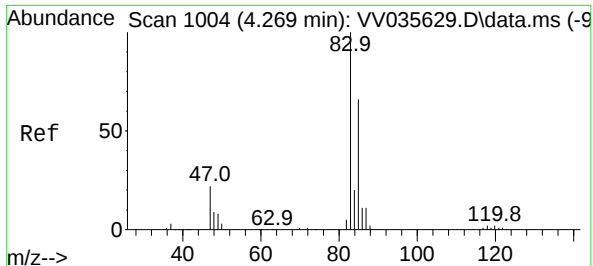
Tgt Ion: 43 Resp: 80589
Ion Ratio Lower Upper
43 100
72 27.7 12.3 36.9



#23
Bromochloromethane
Concen: 25.974 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion:128 Resp: 96250
Ion Ratio Lower Upper
128 100
49 151.0 103.1 191.5
130 127.0 91.8 170.4
51 47.5 37.0 55.4





#25

Chloroform

Concen: 28.170 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

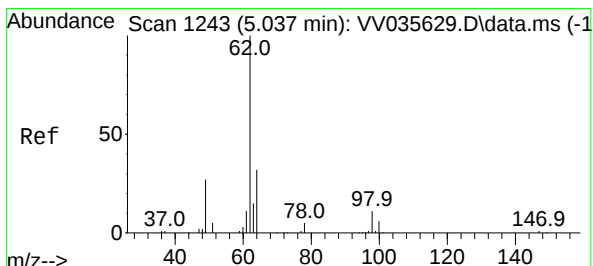
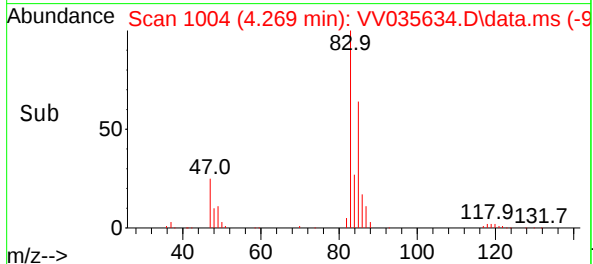
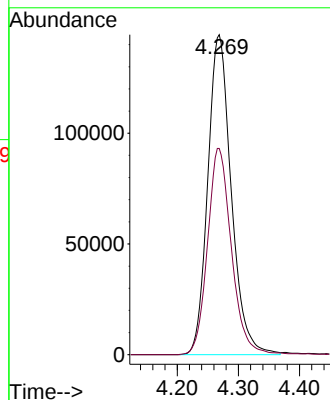
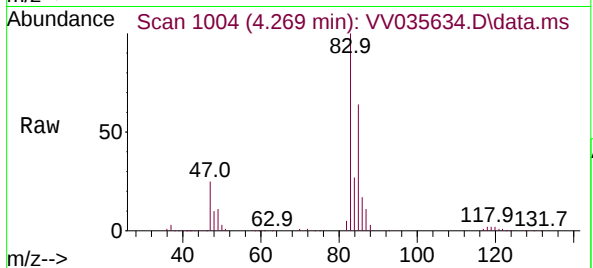
ClientSampleId :

Tgt Ion: 83 Resp: 385420

Ion Ratio Lower Upper

83 100

85 64.4 44.7 82.9



#27

1,2-Dichloroethane

Concen: 27.146 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV035634.D

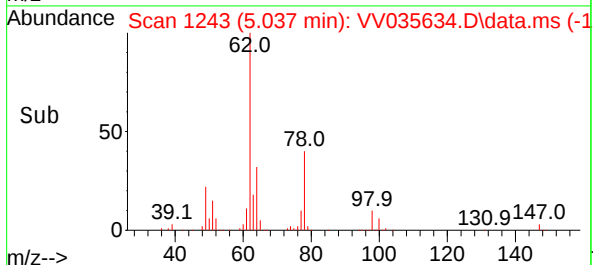
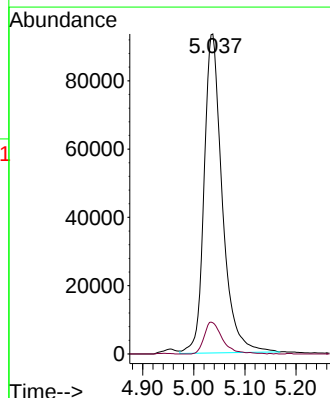
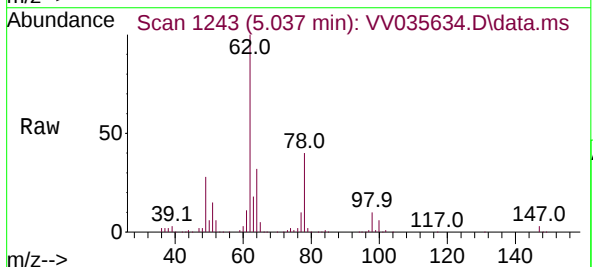
Acq: 21 May 2024 08:24

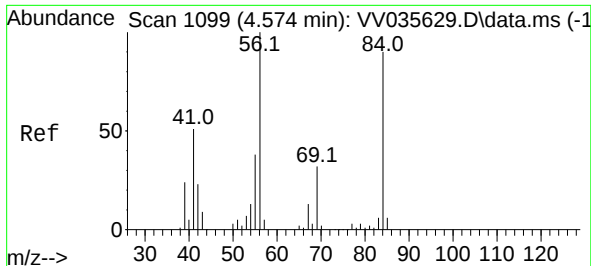
Tgt Ion: 62 Resp: 231273

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.2





#29

Cyclohexane

Concen: 27.007 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

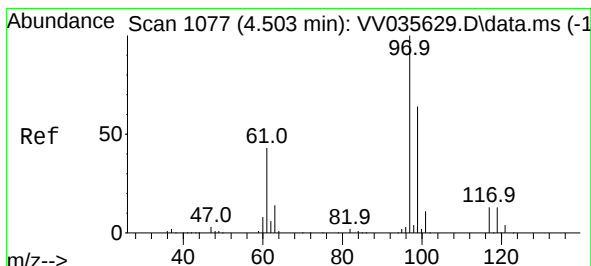
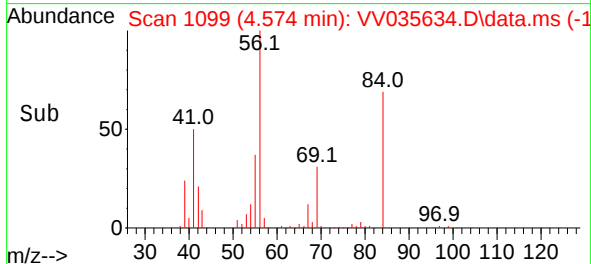
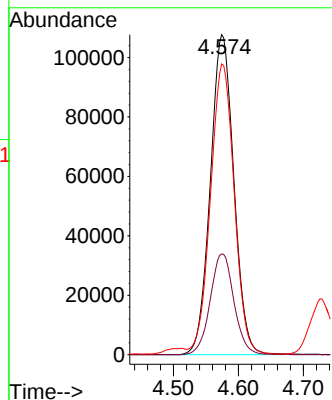
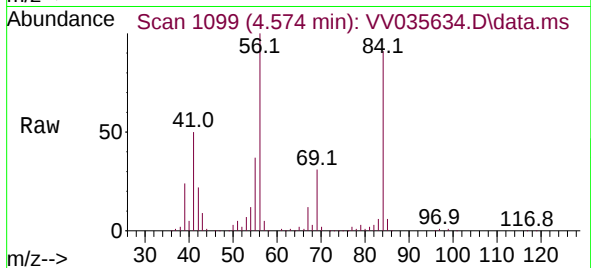
Tgt Ion: 56 Resp: 270624

Ion Ratio Lower Upper

56 100

69 31.7 25.6 38.4

84 90.9 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 28.821 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

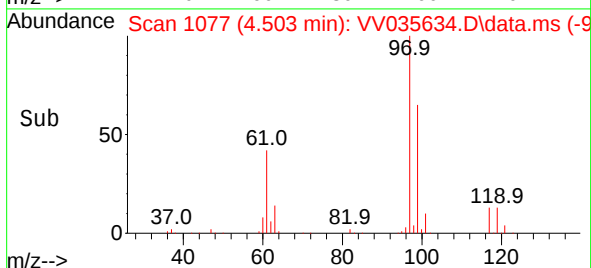
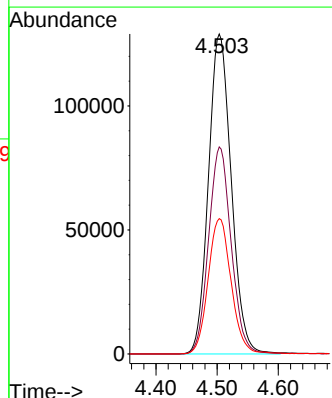
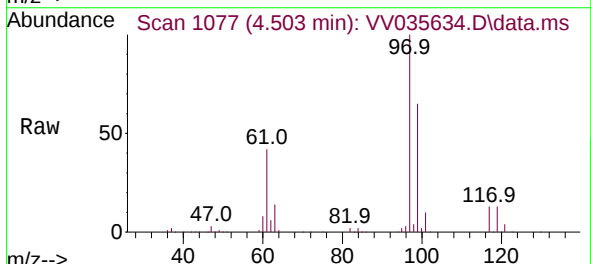
Tgt Ion: 97 Resp: 334867

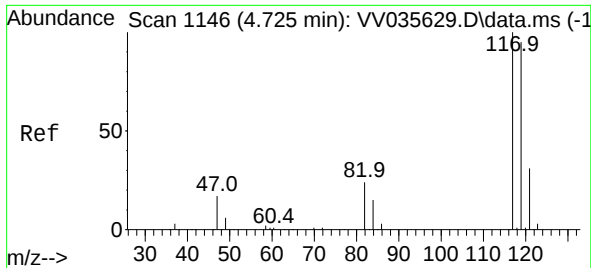
Ion Ratio Lower Upper

97 100

99 64.1 51.7 77.5

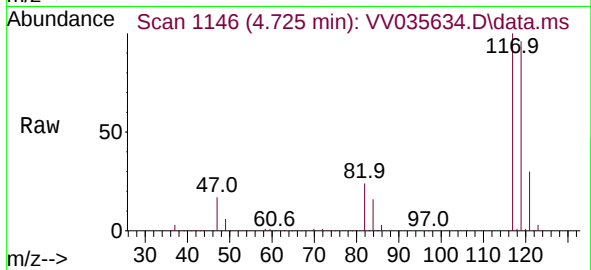
61 42.7 33.5 50.3



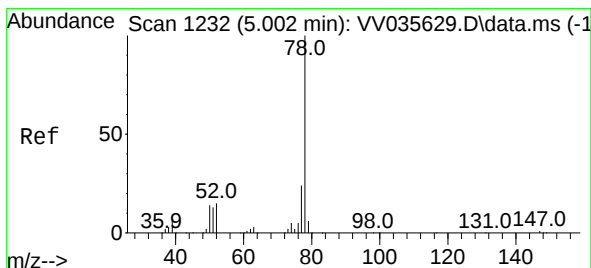
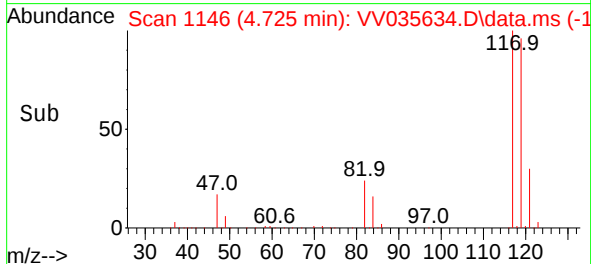
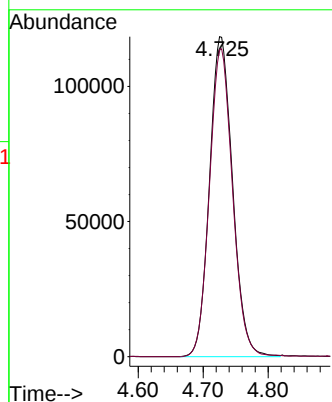


#31
Carbon tetrachloride
Concen: 28.640 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Instrument :
MSVOA_V
ClientSampleId :

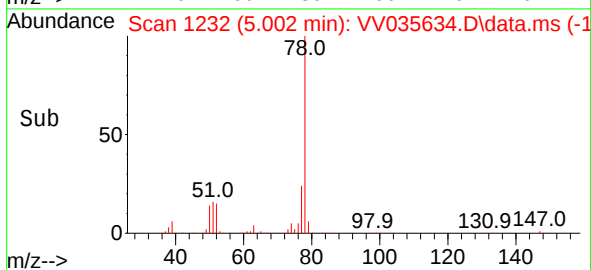
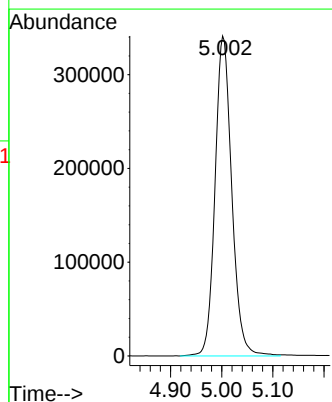
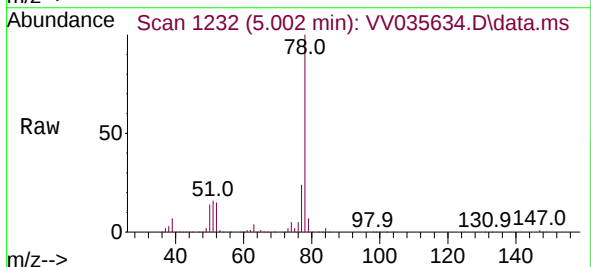


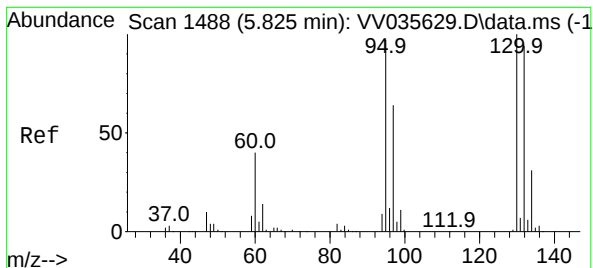
Tgt Ion:117 Resp: 291972
Ion Ratio Lower Upper
117 100
119 96.2 77.3 115.9



#33
Benzene
Concen: 27.972 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion: 78 Resp: 775761





#34

Trichloroethene

Concen: 28.874 ug/L

RT: 5.828 min Scan# 1488

Delta R.T. 0.003 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 226512

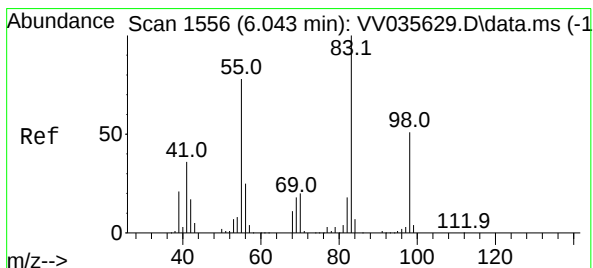
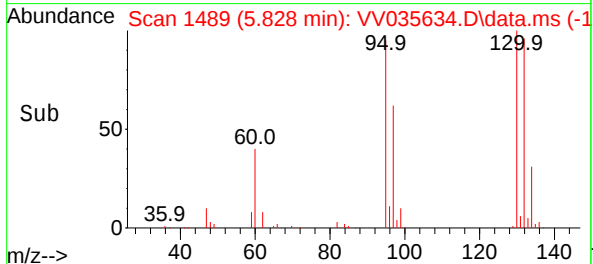
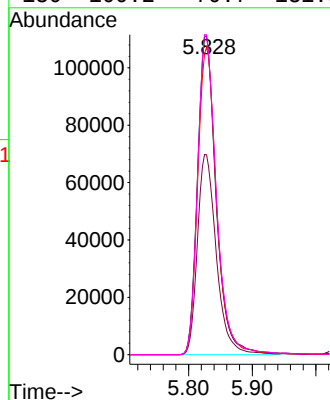
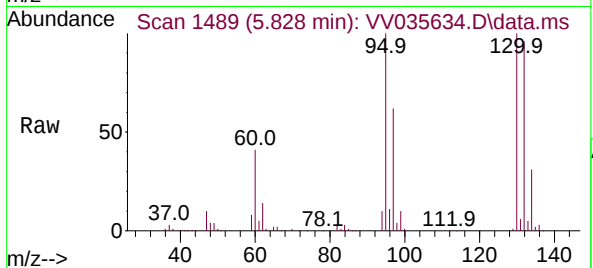
Ion Ratio Lower Upper

95 100

97 62.6 43.8 81.4

132 96.4 67.1 124.7

130 100.2 70.7 131.3



#35

Methylcyclohexane

Concen: 26.885 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

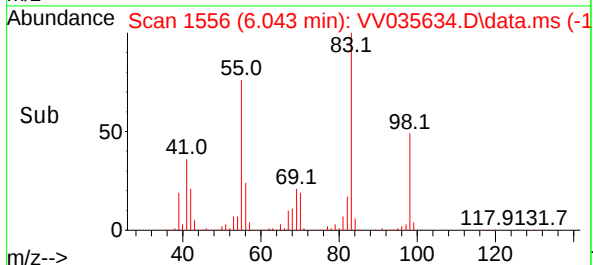
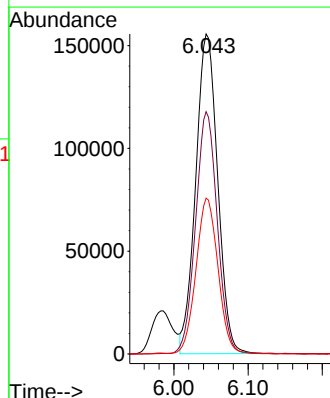
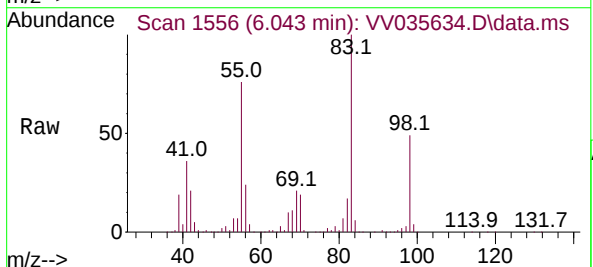
Tgt Ion: 83 Resp: 320198

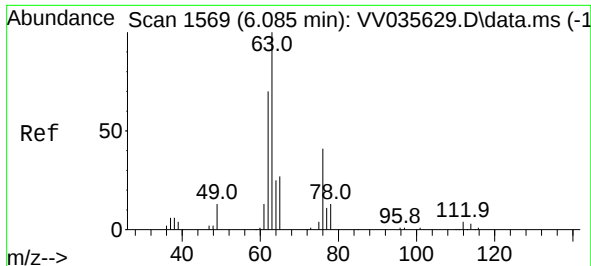
Ion Ratio Lower Upper

83 100

55 74.8 57.5 86.3

98 49.0 38.6 58.0

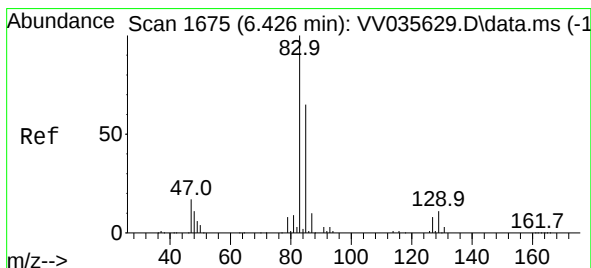
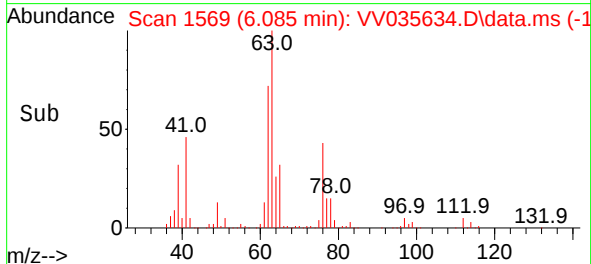
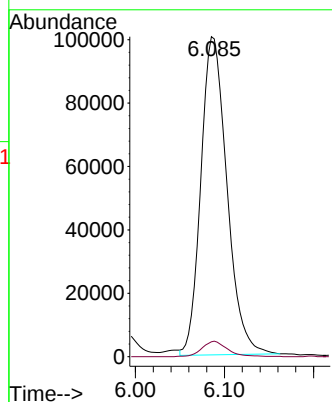
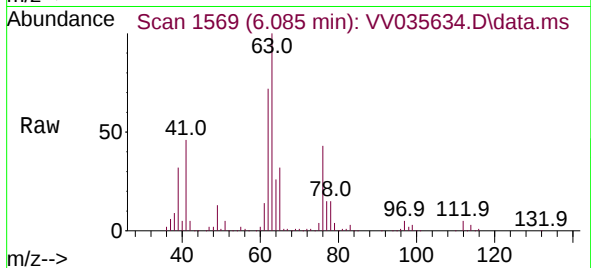




#37
1,2-Dichloropropane
Concen: 28.246 ug/L
RT: 6.085 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

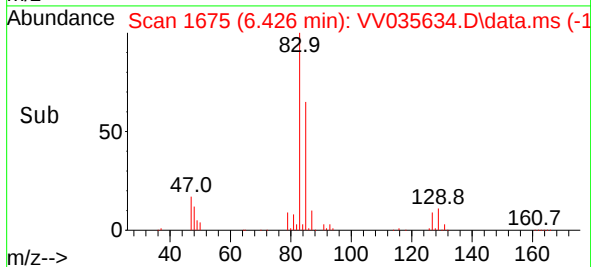
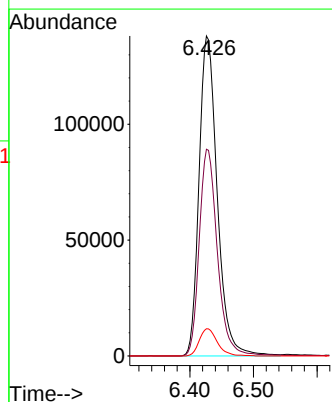
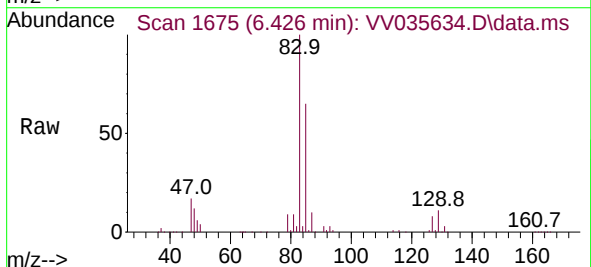
Instrument :
MSVOA_V
ClientSampleId :

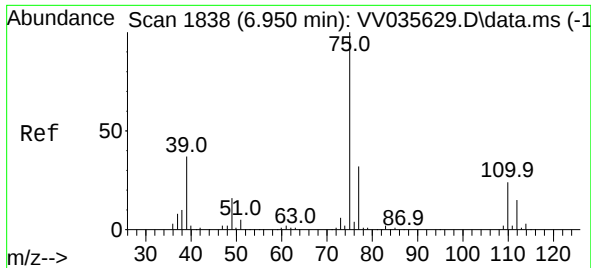
Tgt Ion: 63 Resp: 204381
Ion Ratio Lower Upper
63 100
112 4.7 3.8 5.6



#38
Bromodichloromethane
Concen: 28.040 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion: 83 Resp: 274851
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.9
127 8.5 7.0 10.6

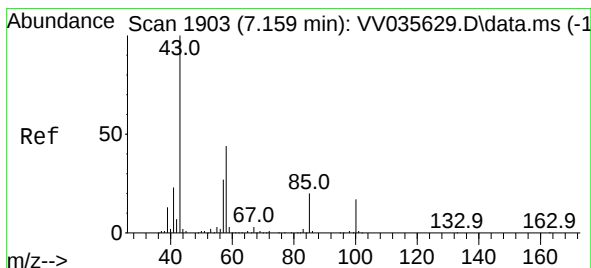
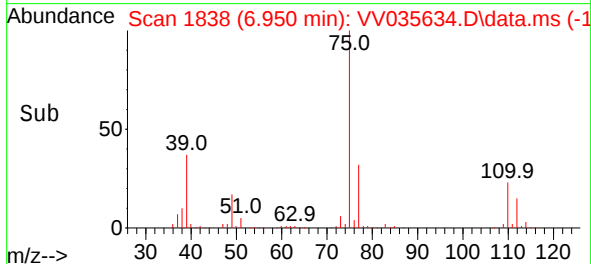
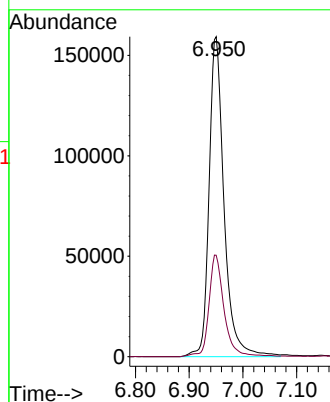
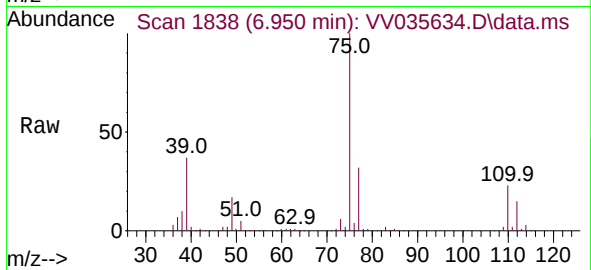




#39
cis-1,3-Dichloropropene
Concen: 27.258 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

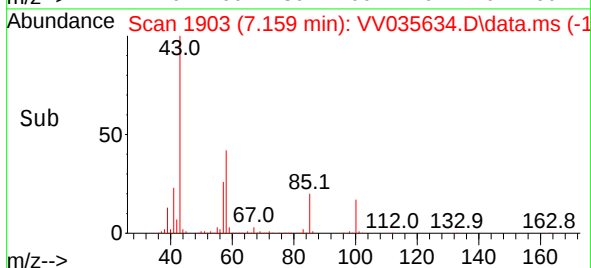
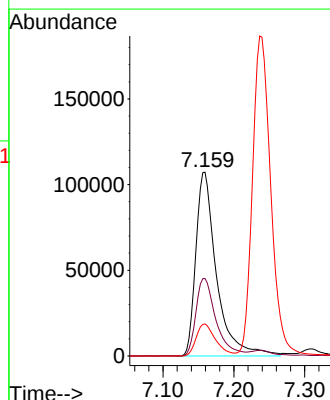
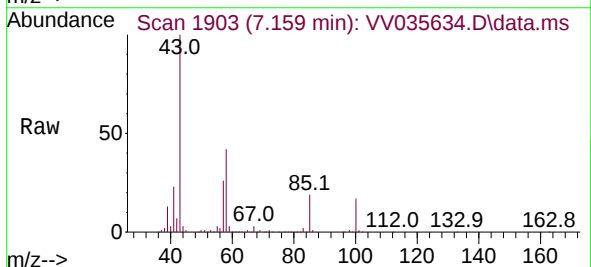
Instrument :
MSVOA_V
ClientSampleId :

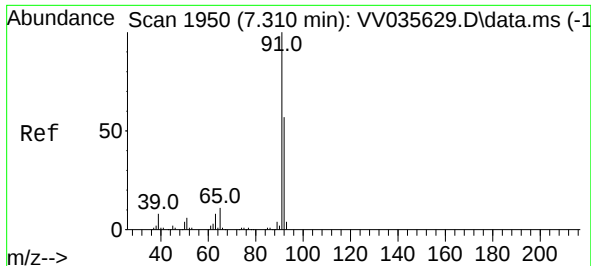
Tgt Ion: 75 Resp: 308480
Ion Ratio Lower Upper
75 100
77 31.7 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 50.241 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion: 43 Resp: 217715
Ion Ratio Lower Upper
43 100
58 40.8 34.8 52.2
100 16.4 13.9 20.9





#42

Toluene

Concen: 28.458 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

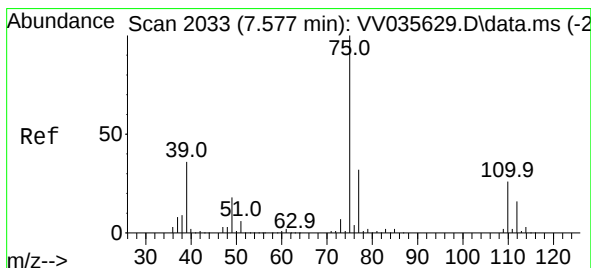
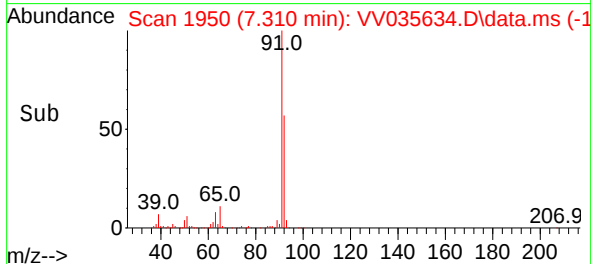
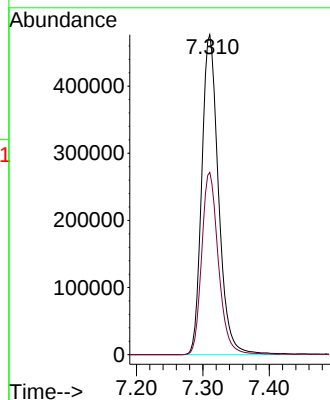
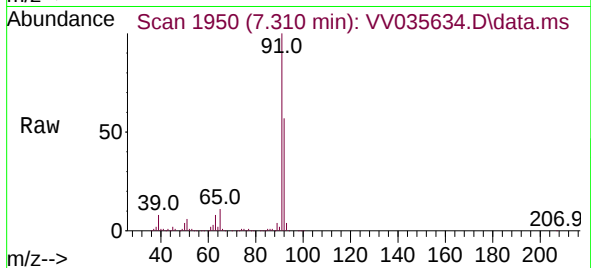
ClientSampleId :

Tgt Ion: 91 Resp: 835219

Ion Ratio Lower Upper

91 100

92 56.9 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 26.902 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV035634.D

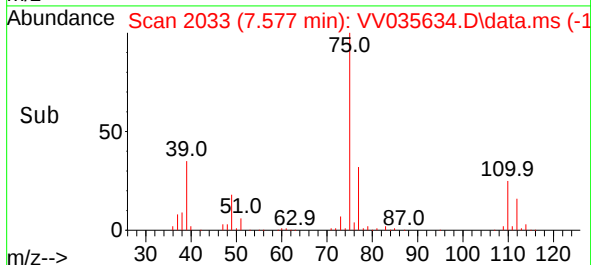
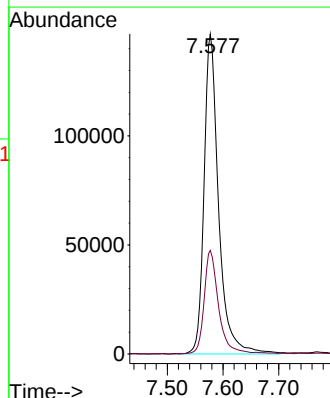
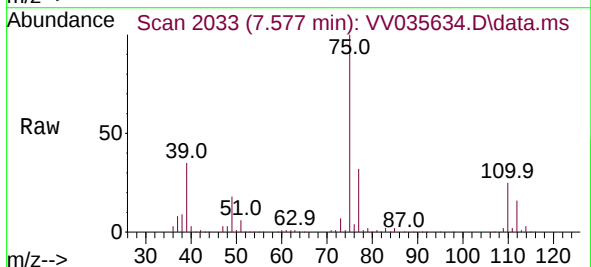
Acq: 21 May 2024 08:24

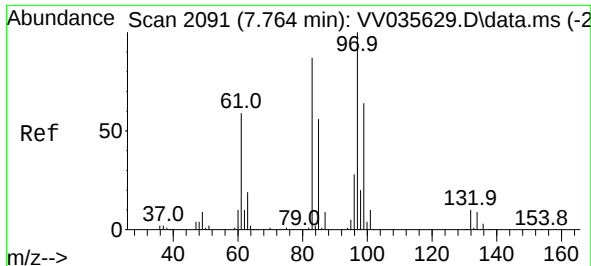
Tgt Ion: 75 Resp: 266330

Ion Ratio Lower Upper

75 100

77 32.4 22.4 41.6



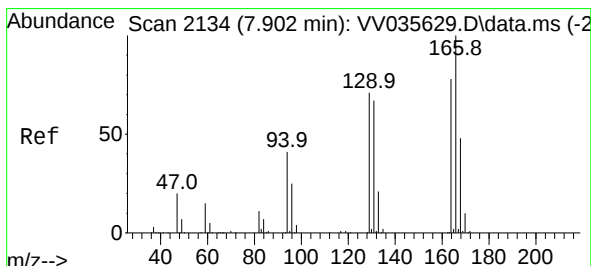
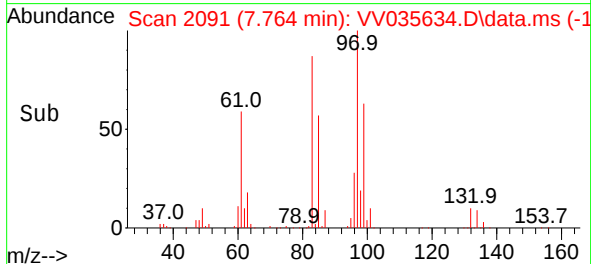
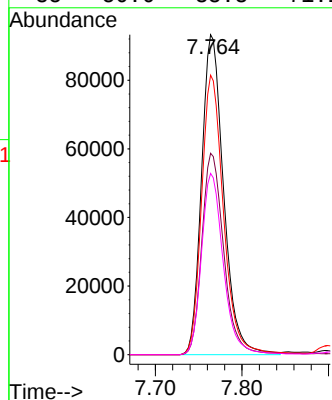
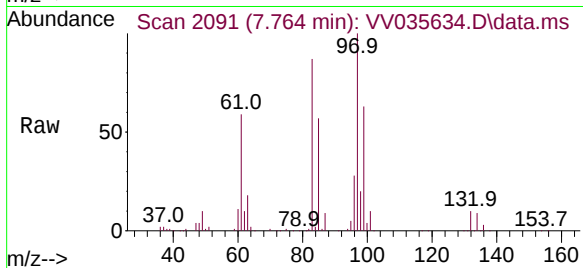


#45
1,1,2-Trichloroethane
Concen: 26.874 ug/L
RT: 7.764 min Scan# 2091
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 165219

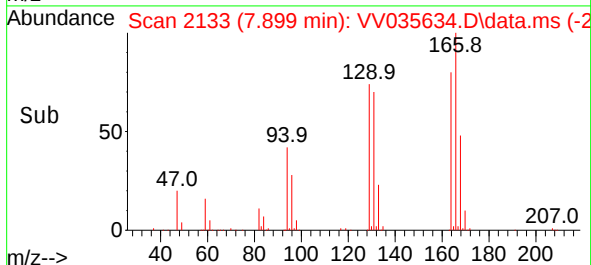
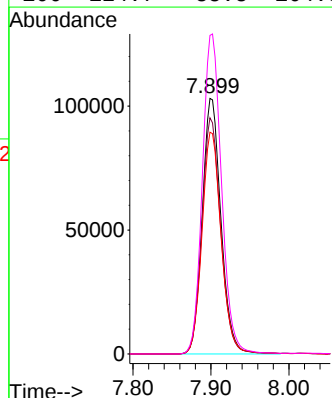
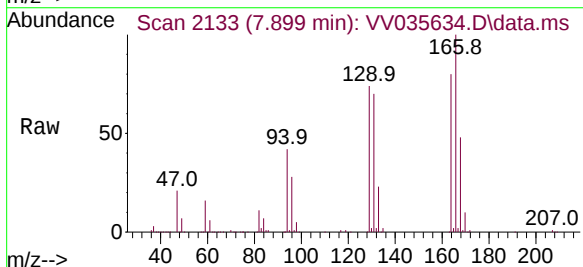
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.3	80.3
83	87.3	60.3	111.9
85	56.6	38.3	71.1

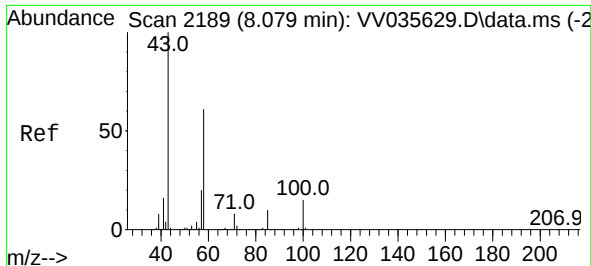


#46
Tetrachloroethene
Concen: 27.031 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.003 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion: 164 Resp: 172279

Ion	Ratio	Lower	Upper
164	100		
129	92.4	63.4	117.8
131	86.8	61.0	113.4
166	124.7	88.8	164.8

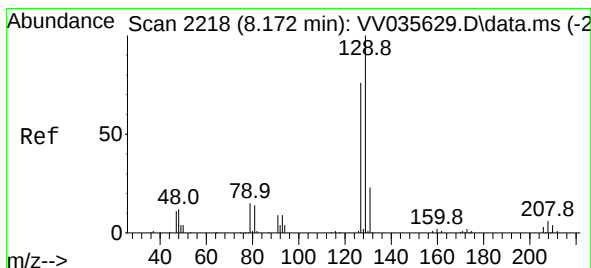
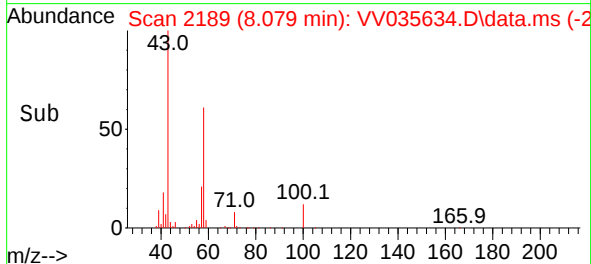
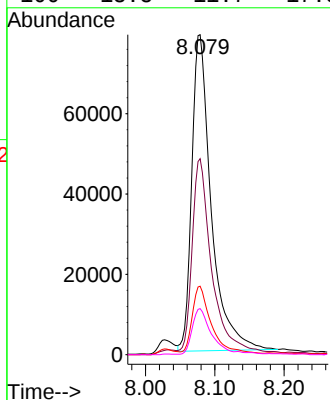
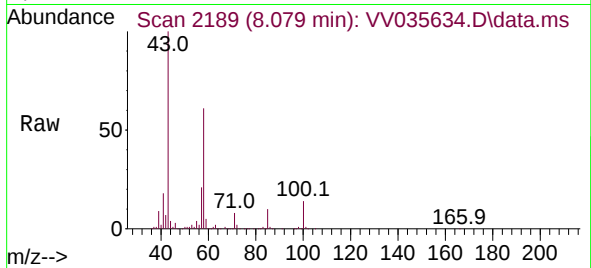




#48
2-Hexanone
Concen: 47.464 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

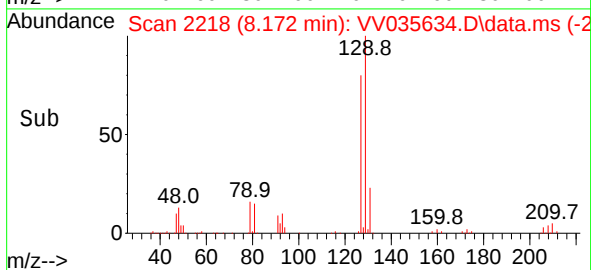
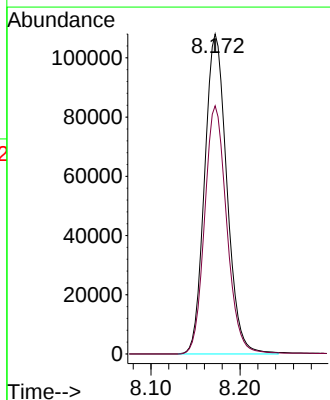
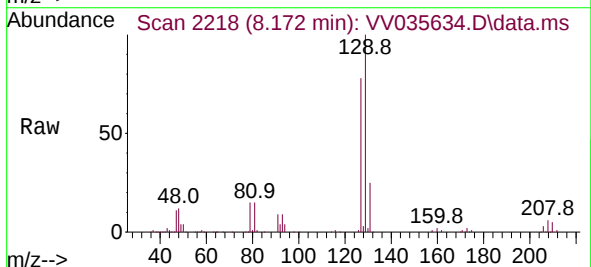
Instrument :
MSVOA_V
ClientSampleId :

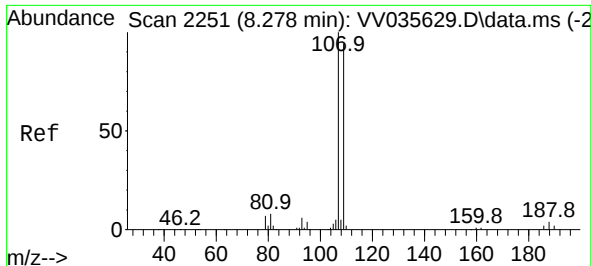
Tgt Ion: 43 Resp: 154217
Ion Ratio Lower Upper
43 100
58 60.8 48.8 73.2
57 20.8 16.9 25.3
100 13.8 11.7 17.5



#49
Dibromochloromethane
Concen: 26.981 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion: 129 Resp: 187171
Ion Ratio Lower Upper
129 100
127 77.5 53.8 99.8

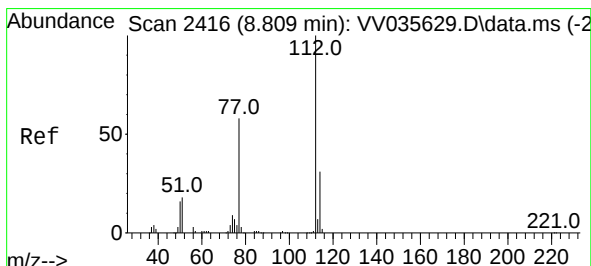
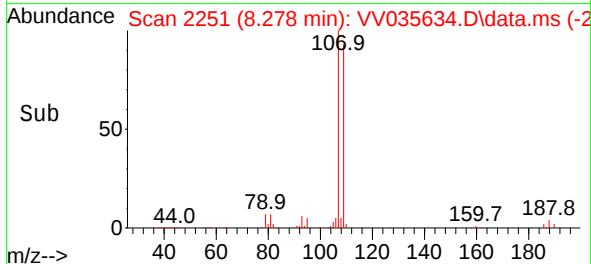
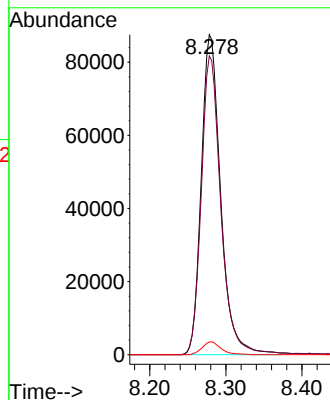
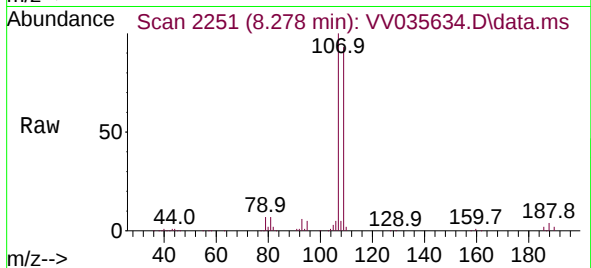




#50
1,2-Dibromoethane
Concen: 25.638 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

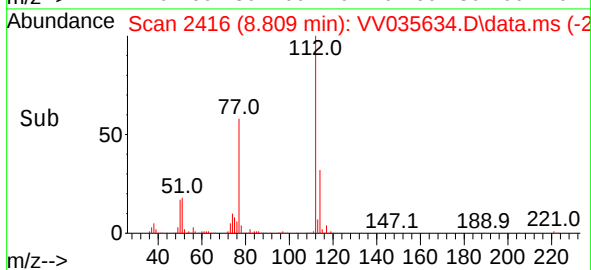
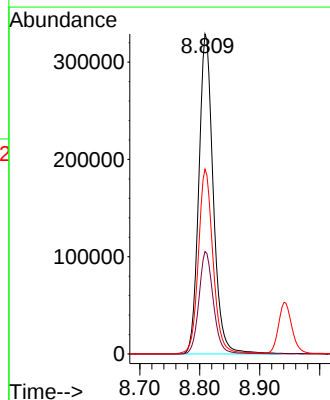
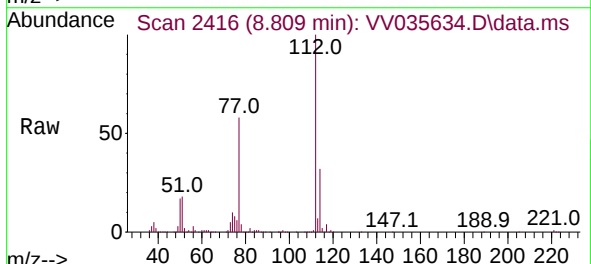
Instrument :
MSVOA_V
ClientSampleId :

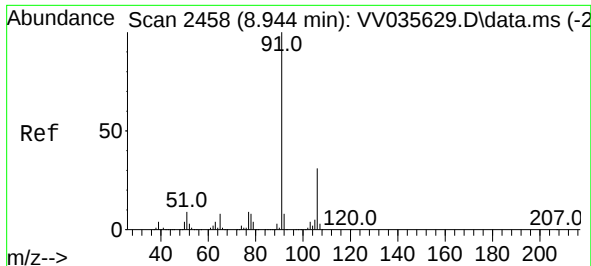
Tgt Ion:107 Resp: 155283
Ion Ratio Lower Upper
107 100
109 93.3 65.4 121.4
188 4.0 2.9 4.3



#51
Chlorobenzene
Concen: 27.114 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion:112 Resp: 552176
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.7
77 57.8 46.6 69.8





#52

Ethylbenzene

Concen: 28.525 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

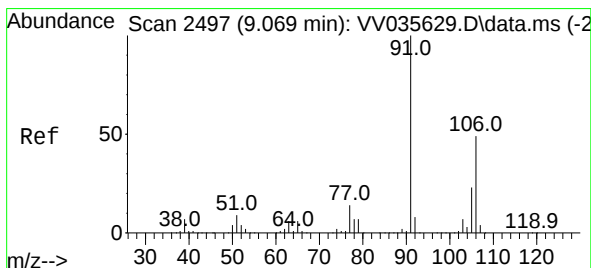
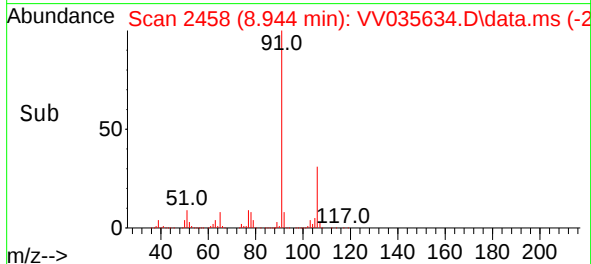
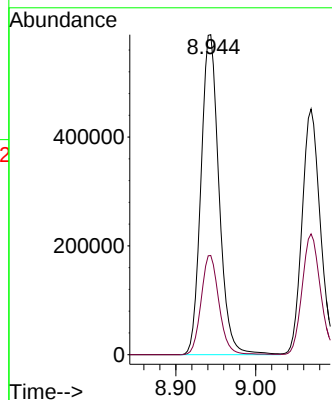
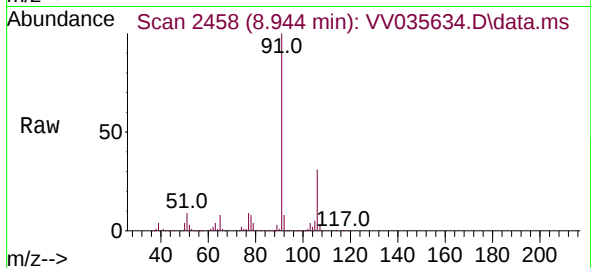
ClientSampleId :

Tgt Ion: 91 Resp: 924357

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-Xylene

Concen: 28.807 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV035634.D

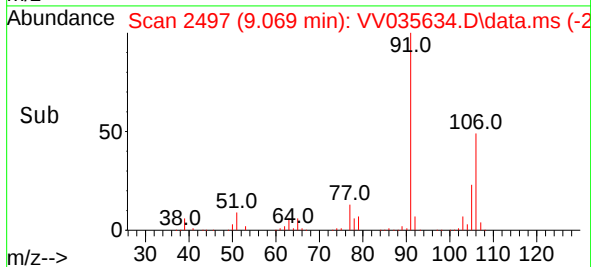
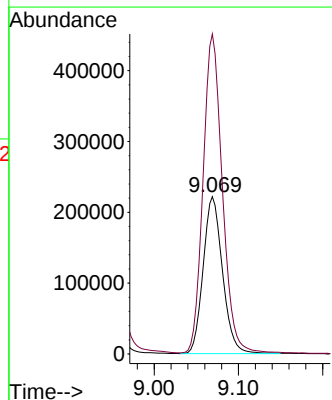
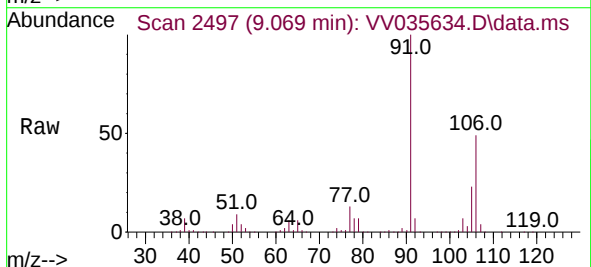
Acq: 21 May 2024 08:24

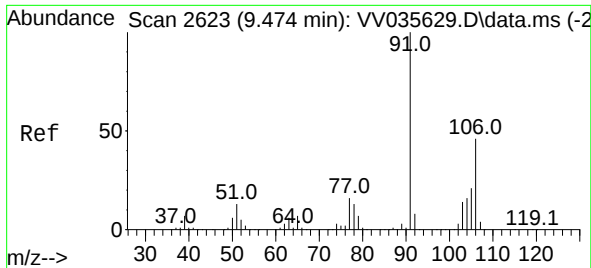
Tgt Ion:106 Resp: 354163

Ion Ratio Lower Upper

106 100

91 203.4 142.7 264.9

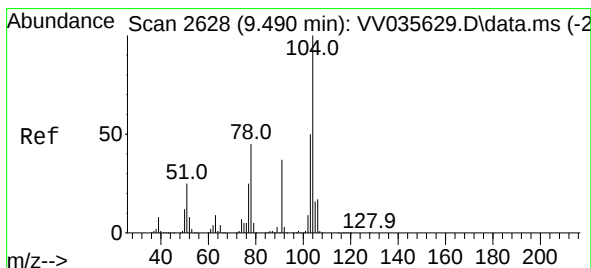
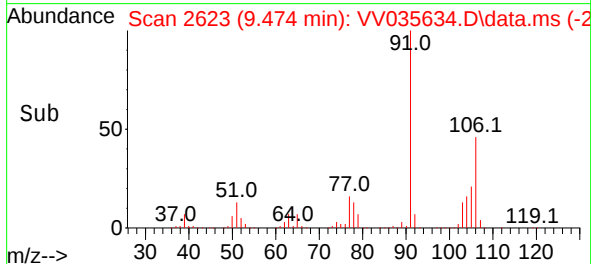
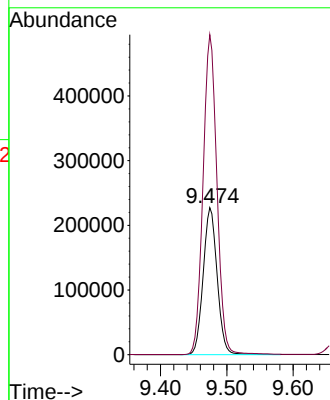
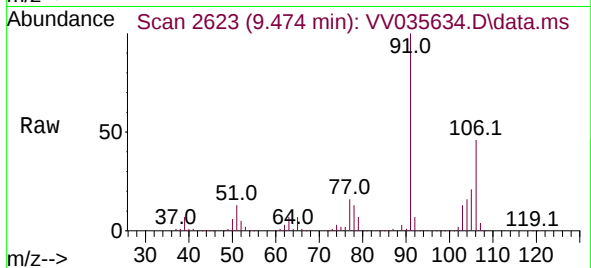




#54
o-Xylene
Concen: 28.613 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

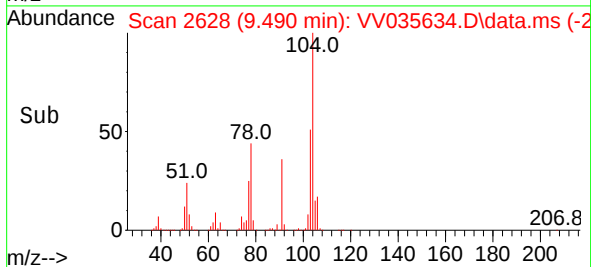
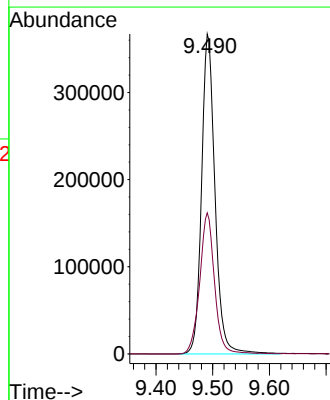
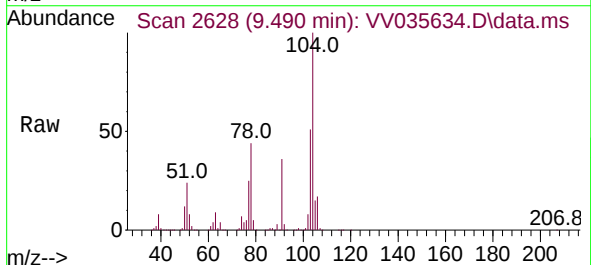
Instrument :
MSVOA_V
ClientSampleId :

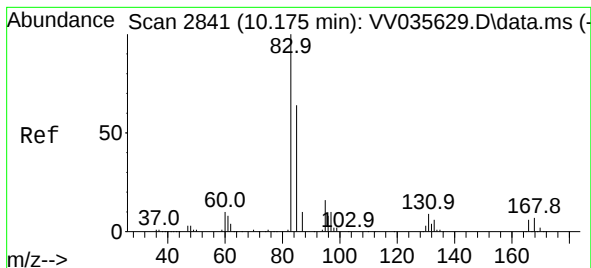
Tgt Ion:106 Resp: 333400
Ion Ratio Lower Upper
106 100
91 217.6 150.9 280.3



#55
Styrene
Concen: 29.761 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

Tgt Ion:104 Resp: 604843
Ion Ratio Lower Upper
104 100
78 44.1 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 22.624 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

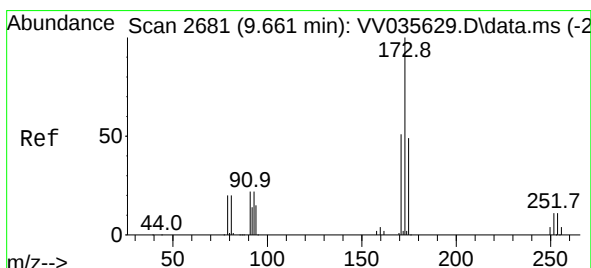
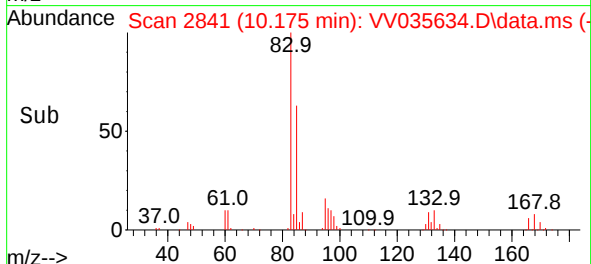
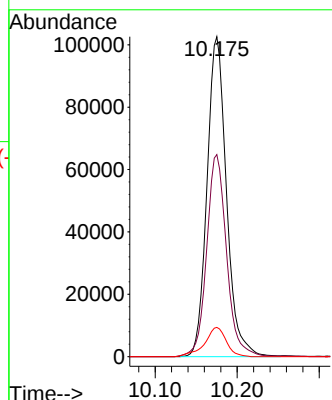
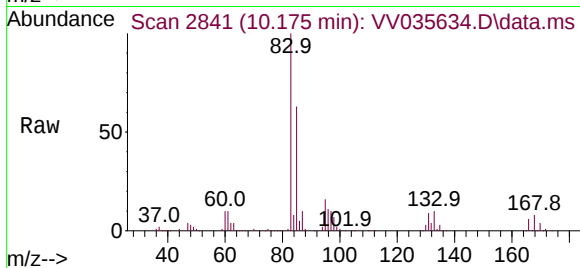
Tgt Ion: 83 Resp: 169434

Ion Ratio Lower Upper

83 100

85 63.2 44.7 83.1

131 9.1 8.0 12.0



#59

Bromoform

Concen: 25.356 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

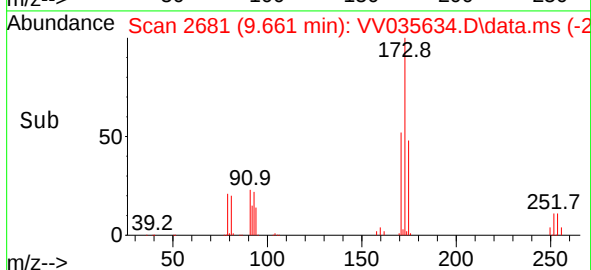
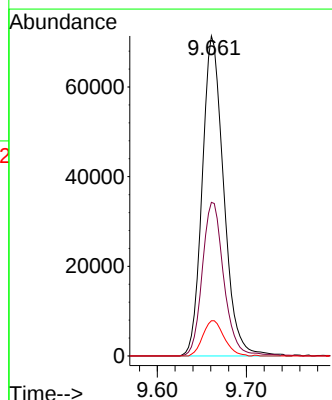
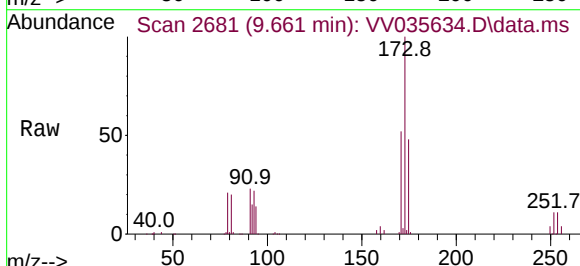
Tgt Ion:173 Resp: 119458

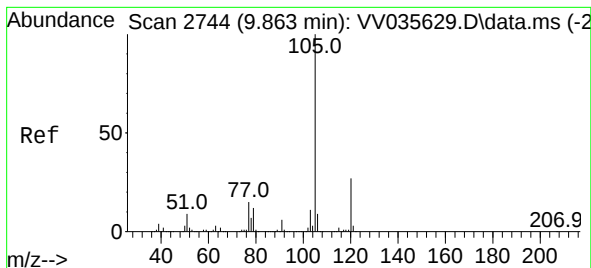
Ion Ratio Lower Upper

173 100

175 47.6 38.7 58.1

254 10.9 8.3 12.5





#60

Isopropylbenzene

Concen: 29.702 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.000 min

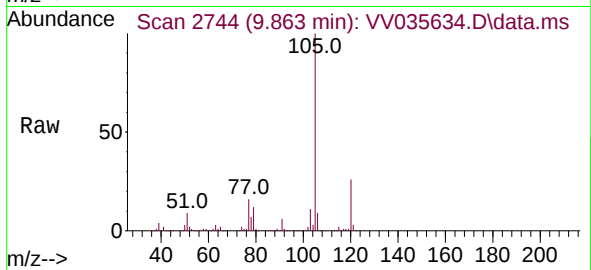
Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :



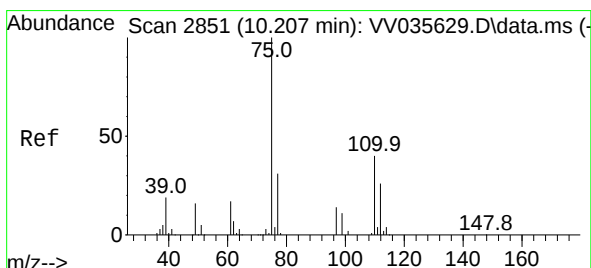
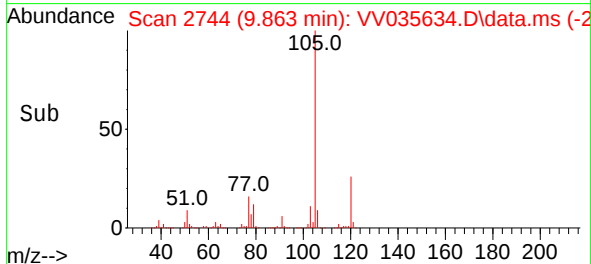
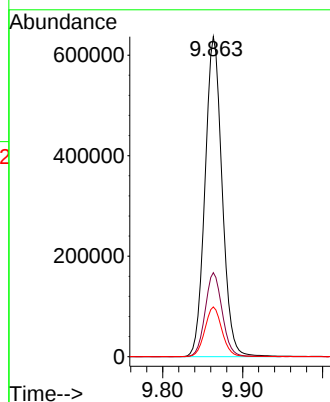
Tgt Ion:105 Resp: 948486

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

77 15.6 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 25.649 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

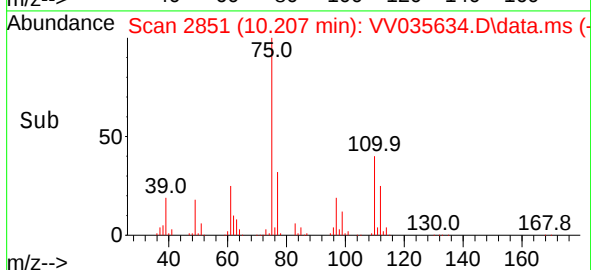
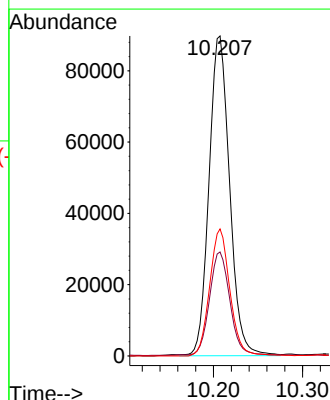
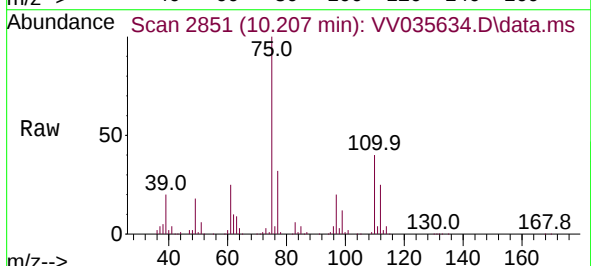
Tgt Ion: 75 Resp: 144083

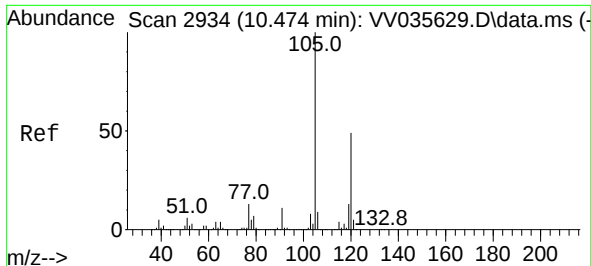
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

110 39.1 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 29.969 ug/L

RT: 10.471 min Scan# 2934

Delta R.T. -0.003 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

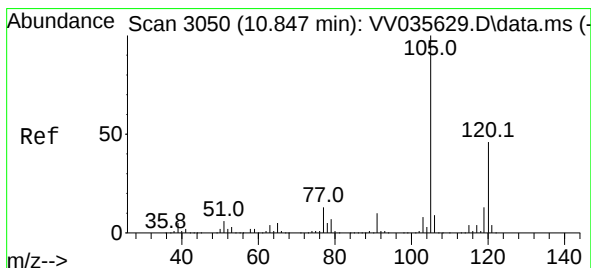
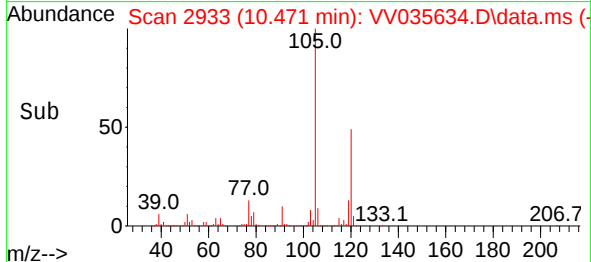
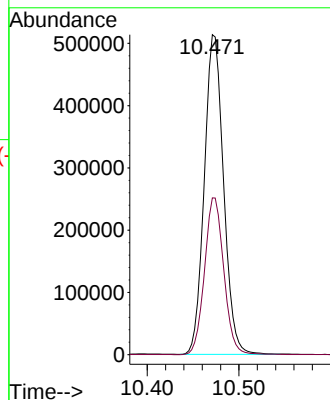
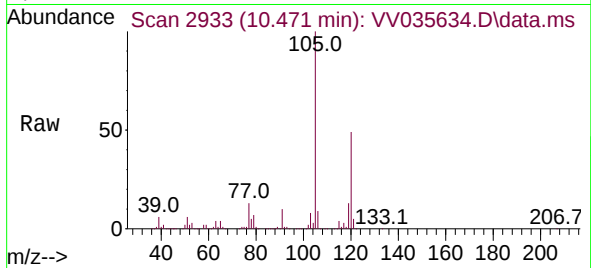
ClientSampleId :

Tgt Ion:105 Resp: 750757

Ion Ratio Lower Upper

105 100

120 49.0 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 29.449 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV035634.D

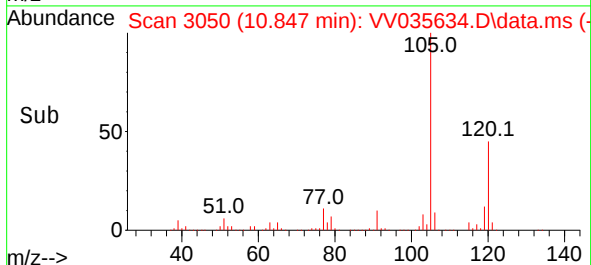
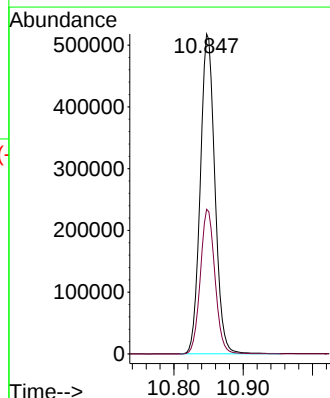
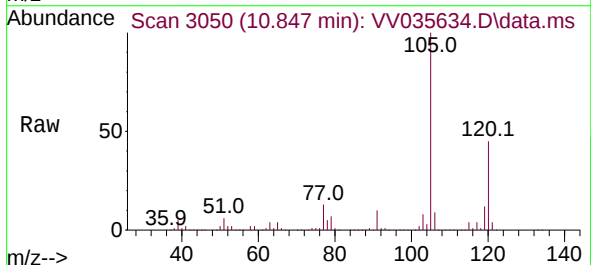
Acq: 21 May 2024 08:24

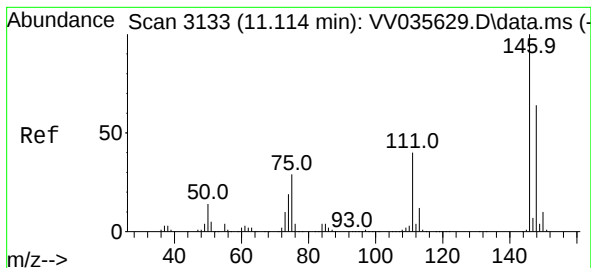
Tgt Ion:105 Resp: 758105

Ion Ratio Lower Upper

105 100

120 45.4 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 27.417 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

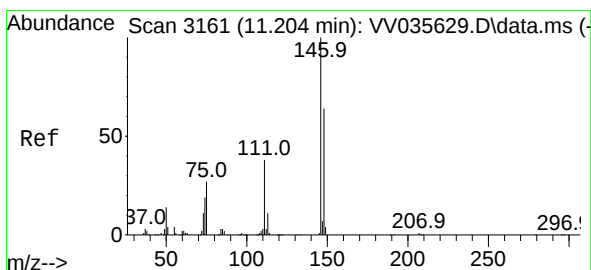
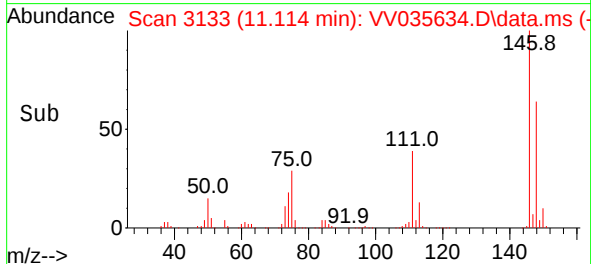
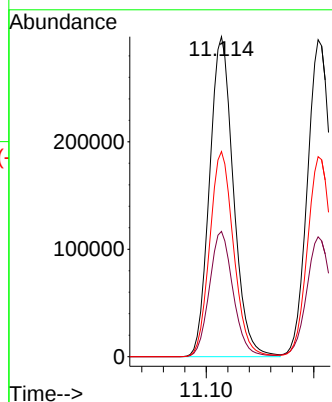
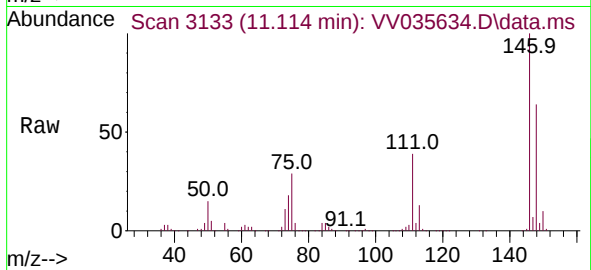
Tgt Ion:146 Resp: 459461

Ion Ratio Lower Upper

146 100

111 39.2 27.0 50.2

148 64.1 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 27.168 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

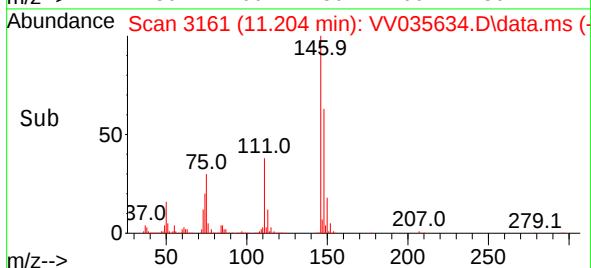
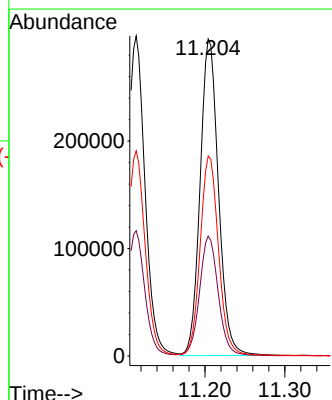
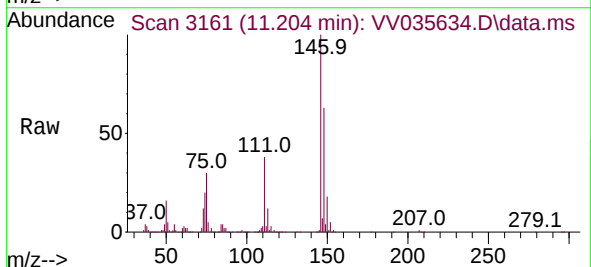
Tgt Ion:146 Resp: 471343

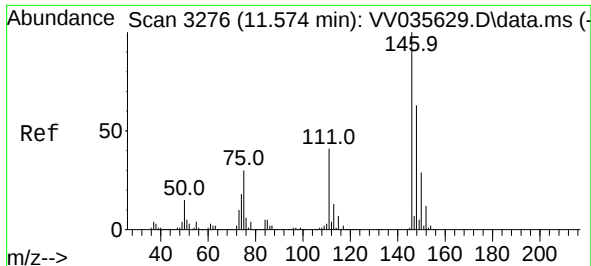
Ion Ratio Lower Upper

146 100

111 37.8 26.2 48.6

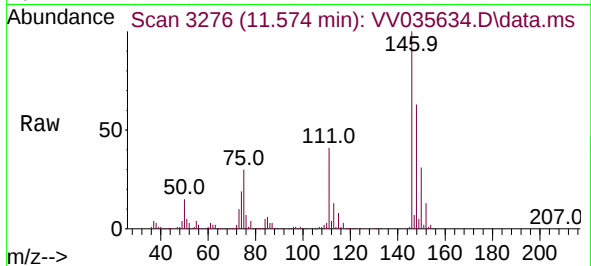
148 63.1 44.9 83.3



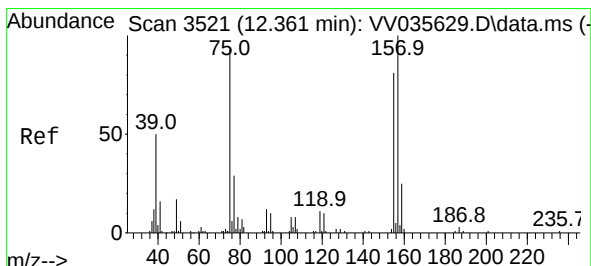
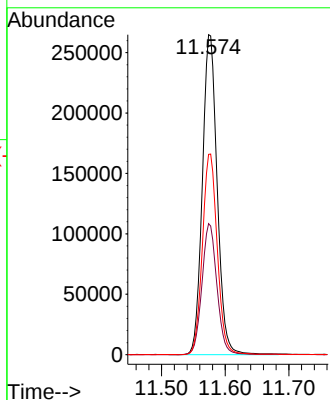
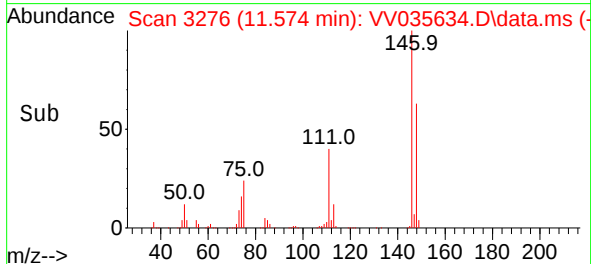


#67
1,2-Dichlorobenzene
Concen: 27.166 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24

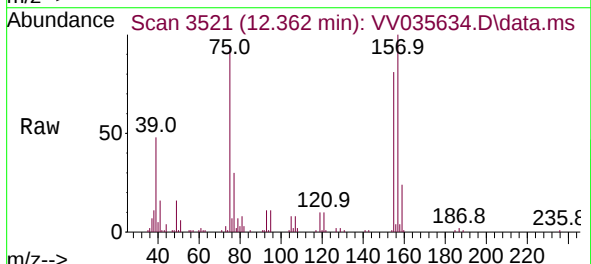
Instrument :
MSVOA_V
ClientSampleId :



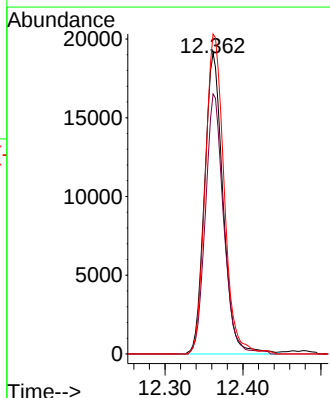
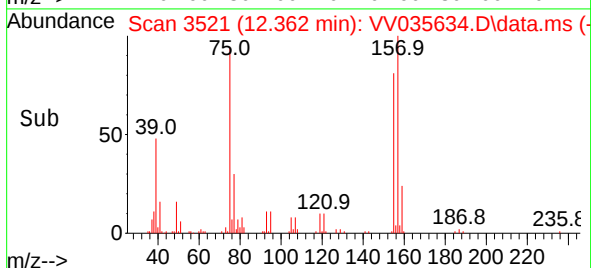
Tgt Ion:146 Resp: 428550
Ion Ratio Lower Upper
146 100
111 40.9 32.6 48.8
148 62.6 51.1 76.7

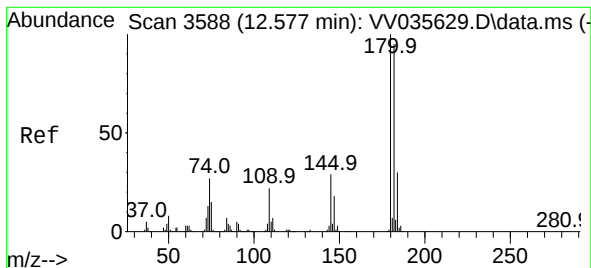


#68
1,2-Dibromo-3-chloropropane
Concen: 24.212 ug/L
RT: 12.362 min Scan# 3521
Delta R.T. 0.000 min
Lab File: VV035634.D
Acq: 21 May 2024 08:24



Tgt Ion: 75 Resp: 31545
Ion Ratio Lower Upper
75 100
155 86.4 69.8 104.6
157 106.4 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 26.764 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

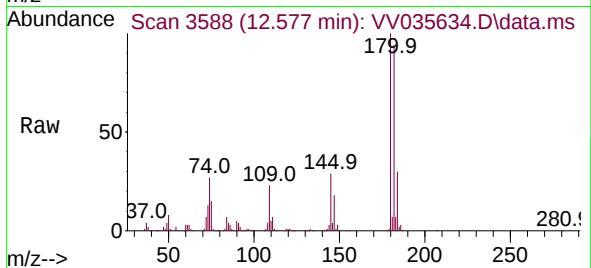
Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 350497

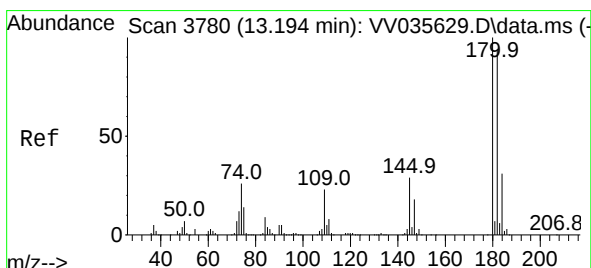
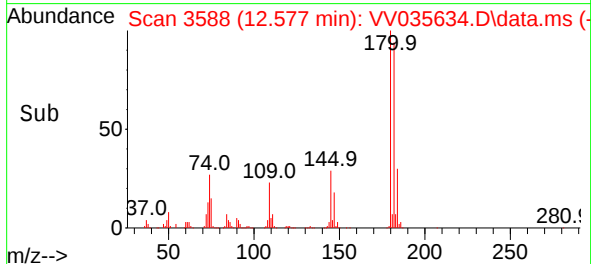
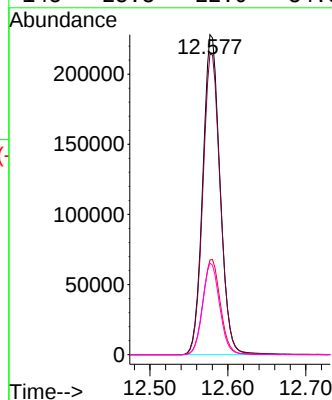
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

184 30.2 24.1 36.1

145 28.3 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 25.516 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

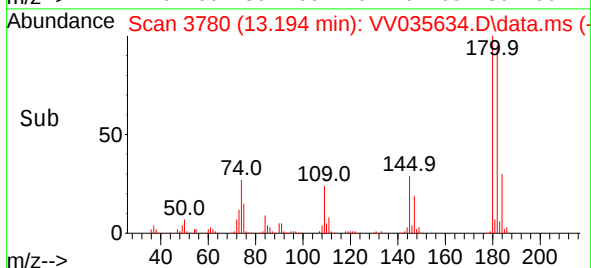
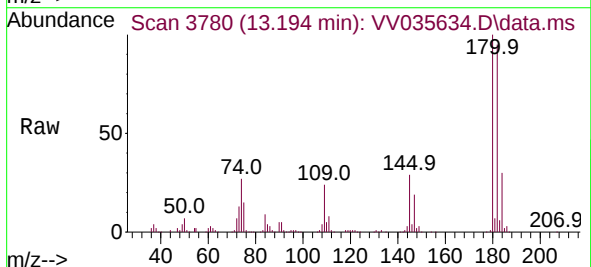
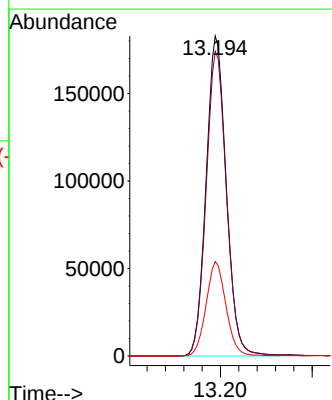
Tgt Ion:180 Resp: 279022

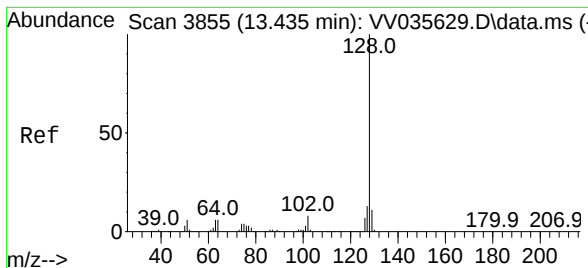
Ion Ratio Lower Upper

180 100

182 96.4 76.6 114.8

145 29.2 23.2 34.8





#71

Naphthalene

Concen: 21.523 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

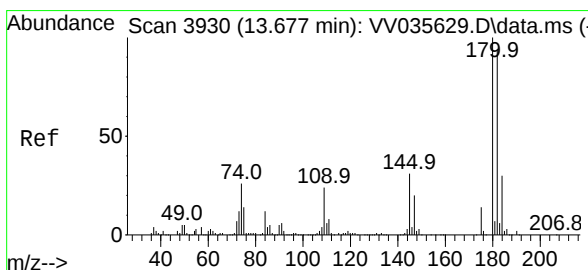
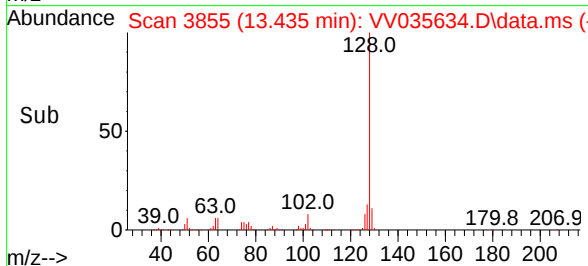
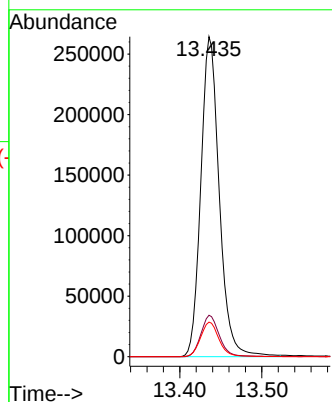
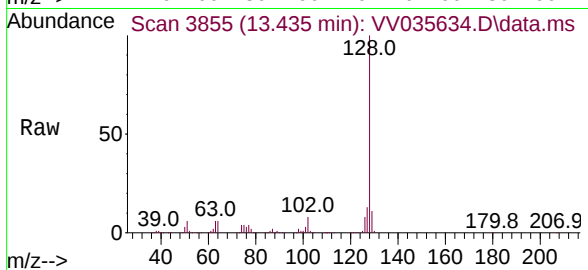
Tgt Ion:128 Resp: 413182

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 25.145 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035634.D

Acq: 21 May 2024 08:24

Tgt Ion:180 Resp: 247362

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.6

145 31.8 25.2 37.8

