

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071524\
 Data File : VV036518.D
 Acq On : 15 Jul 2024 10:22
 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: Jul 16 01:20:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 04:06:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	273823	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	296506	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	177937	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	94247	24.024	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.080%
7) Chloroethane-d5	1.526	69	84485	24.632	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.520%
11) 1,1-Dichloroethene-d2	2.050	65	46763	23.213	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.840%
21) 2-Butanone-d5	3.986	46	193	0.287	ug/L	0.13
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.580%#
24) Chloroform-d	4.243	84	200858	25.200	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	4.937	65	102374	25.897	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	4.953	84	355116	24.007	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.040%
36) 1,2-Dichloropropane-d6	5.982	67	104362	23.673	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.680%
41) Toluene-d8	7.240	98	344024	25.206	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.840%
43) trans-1,3-Dichloroprop...	7.551	79	46224	25.219	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.880%
47) 2-Hexanone-d5	8.031	63	26023	53.149	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.300%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	94282	25.393	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.560%
66) 1,2-Dichlorobenzene-d4	11.558	152	139141	23.042	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	86959	21.913	ug/L	97
3) Chloromethane	1.211	50	71931	22.587	ug/L	99
5) Vinyl chloride	1.275	62	90983	23.218	ug/L	98
6) Bromomethane	1.481	94	73884	23.367	ug/L	99
8) Chloroethane	1.542	64	64771	23.892	ug/L	99
9) Trichlorofluoromethane	1.706	101	169160	24.321	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	115215	24.567	ug/L	99
12) 1,1-Dichloroethene	2.060	96	95766	23.675	ug/L	92
14) Carbon disulfide	2.230	76	183806	20.238	ug/L	99
15) Methyl Acetate	2.388	43	34441	26.854	ug/L	96
16) Methylene chloride	2.439	84	112058	19.905	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	85634	23.295	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	219882	26.693	ug/L	100
19) 1,1-Dichloroethane	3.105	63	167605	25.189	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	93730	24.532	ug/L	99
22) 2-Butanone	3.915	43	36947	46.359	ug/L #	46
23) Bromochloromethane	4.140	128	58308	26.870	ug/L	99
25) Chloroform	4.269	83	205933	26.065	ug/L	98
27) 1,2-Dichloroethane	5.037	62	121295	27.330	ug/L	98

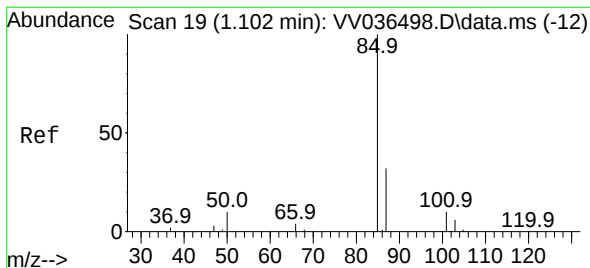
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071524\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 04:06:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.574	56	78852	20.905	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	167955	24.367	ug/L	99
31) Carbon tetrachloride	4.728	117	147449	24.121	ug/L	100
33) Benzene	5.002	78	366123	24.952	ug/L	100
34) Trichloroethene	5.828	95	114397	24.500	ug/L	98
35) Methylcyclohexane	6.047	83	117826	22.111	ug/L	99
37) 1,2-Dichloropropane	6.088	63	97741	26.394	ug/L	100
38) Bromodichloromethane	6.429	83	151975	25.901	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	142473	24.950	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	92607	55.030	ug/L	97
42) Toluene	7.310	91	410792	26.421	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	137473	27.001	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	99206	27.187	ug/L	99
46) Tetrachloroethene	7.902	164	90682	24.020	ug/L	98
48) 2-Hexanone	8.079	43	75876	60.783	ug/L	99
49) Dibromochloromethane	8.172	129	119323	27.042	ug/L	100
50) 1,2-Dibromoethane	8.278	107	93887	27.415	ug/L	98
51) Chlorobenzene	8.809	112	294568	25.298	ug/L	99
52) Ethylbenzene	8.944	91	423373	25.385	ug/L	98
53) m,p-Xylene	9.069	106	173893	27.081	ug/L	100
54) o-Xylene	9.477	106	160877	26.315	ug/L	100
55) Styrene	9.493	104	322078	29.445	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	88476	26.553	ug/L	98
59) Bromoform	9.661	173	82275	26.089	ug/L	98
60) Isopropylbenzene	9.863	105	438253	24.654	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	81975	25.894	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	308977	24.271	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	352614	25.456	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	267641	25.469	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	279135	24.737	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	258298	25.578	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	18940	27.651	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	199427	24.509	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	160056	24.732	ug/L	99
71) Naphthalene	13.435	128	246072	25.318	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	166216	27.148	ug/L	99

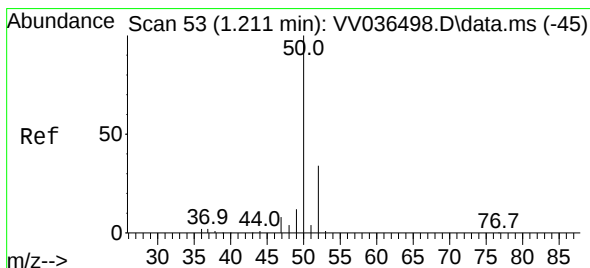
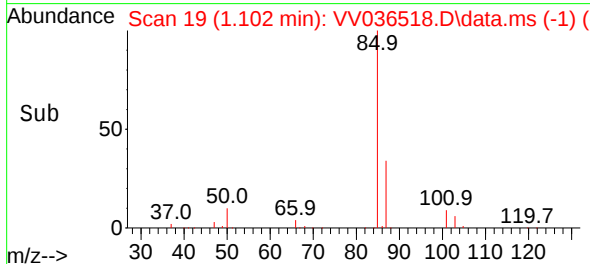
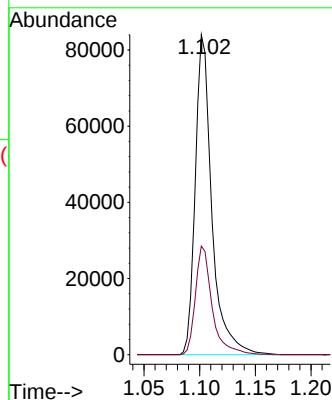
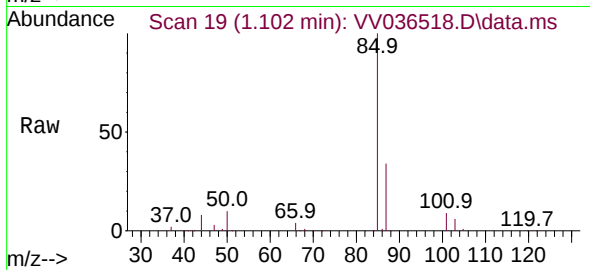
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 21.913 ug/L
 RT: 1.102 min Scan# 19
 Delta R.T. 0.000 min
 Lab File: VV036518.D
 Acq: 15 Jul 2024 10:22

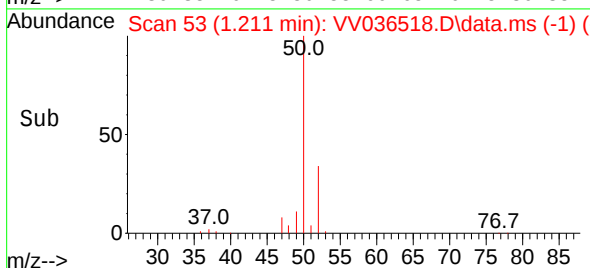
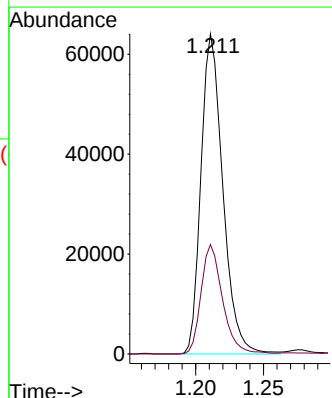
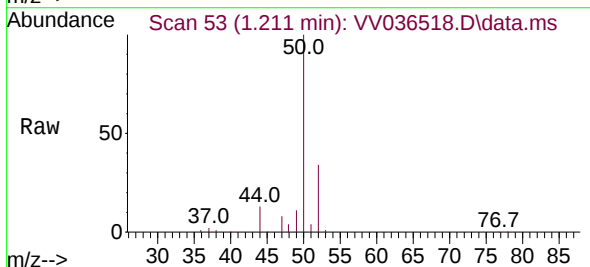
Instrument :
 MSVOA_V
 ClientSampleId :

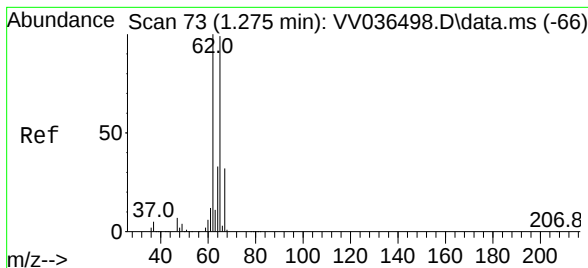
Tgt Ion: 85 Resp: 86959
 Ion Ratio Lower Upper
 85 100
 87 34.3 26.2 39.2



#3
 Chloromethane
 Concen: 22.587 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036518.D
 Acq: 15 Jul 2024 10:22

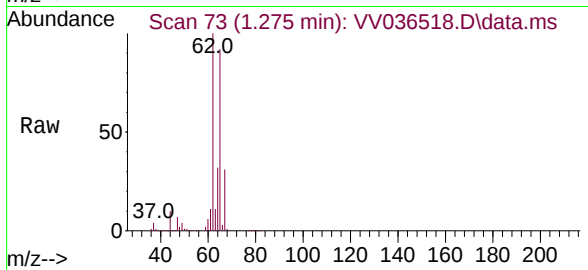
Tgt Ion: 50 Resp: 71931
 Ion Ratio Lower Upper
 50 100
 52 34.2 24.4 45.4



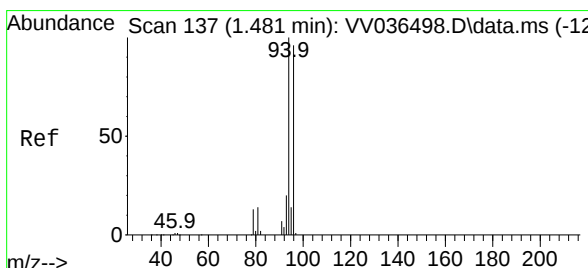
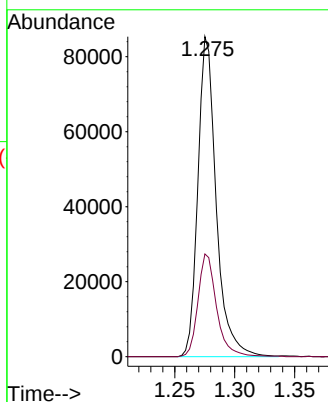
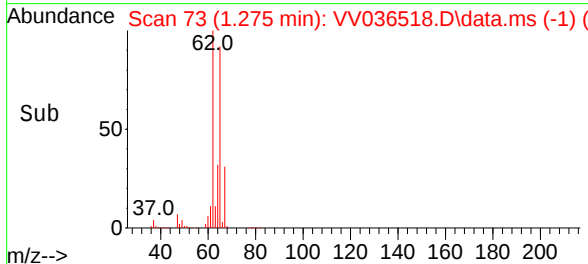


#5
 Vinyl chloride
 Concen: 23.218 ug/L
 RT: 1.275 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV036518.D
 Acq: 15 Jul 2024 10:22

Instrument :
 MSVOA_V
 ClientSampleId :

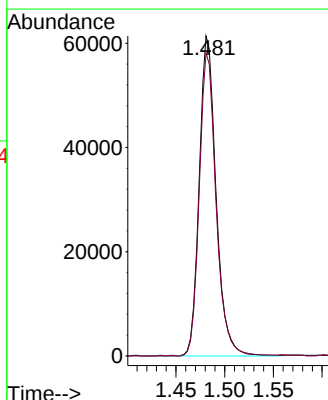
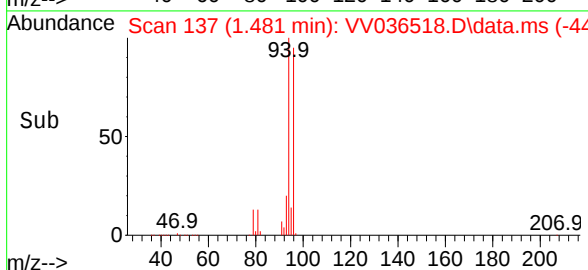
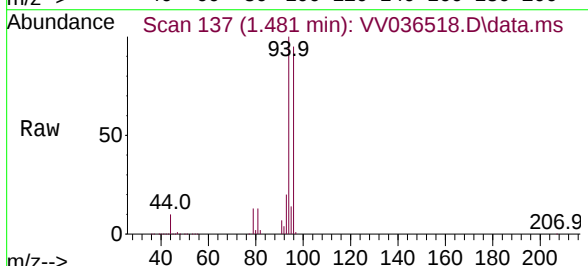


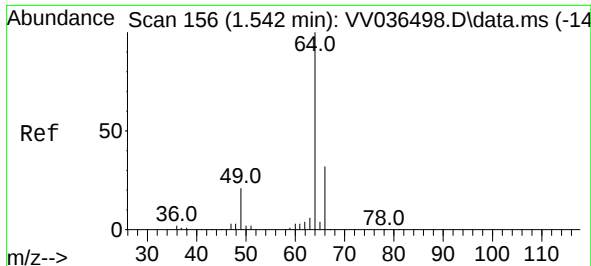
Tgt Ion: 62 Resp: 90983
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.4 43.4



#6
 Bromomethane
 Concen: 23.367 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.000 min
 Lab File: VV036518.D
 Acq: 15 Jul 2024 10:22

Tgt Ion: 94 Resp: 73884
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.6 121.8

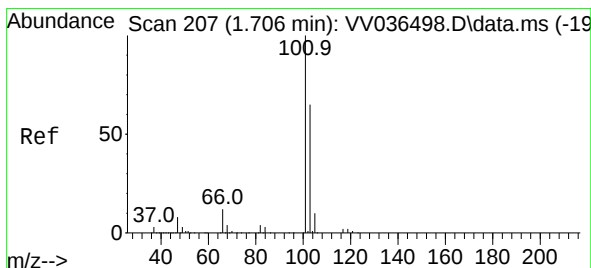
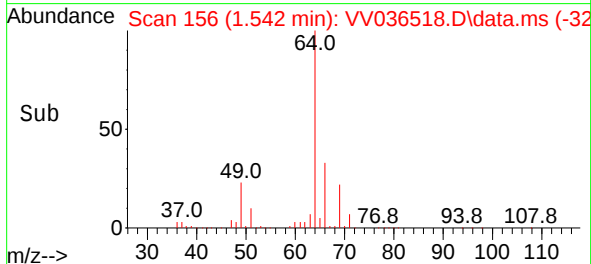
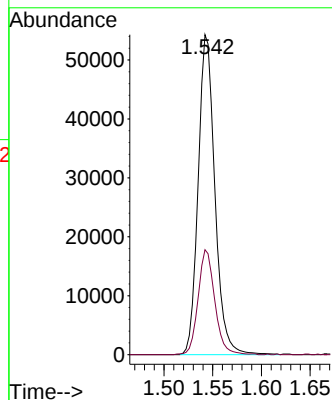
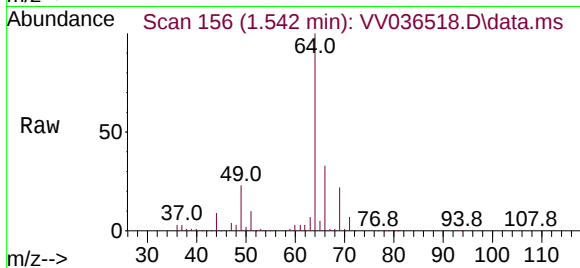




#8
Chloroethane
Concen: 23.892 ug/L
RT: 1.542 min Scan# 156
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

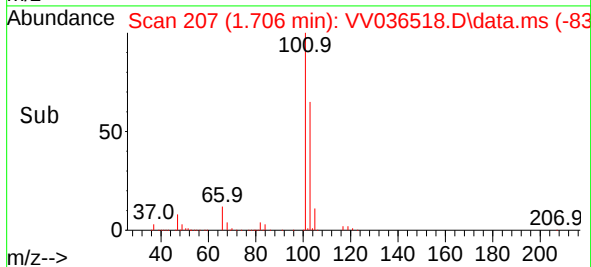
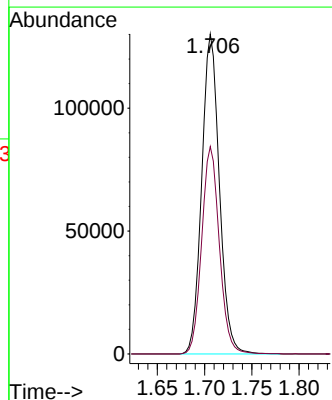
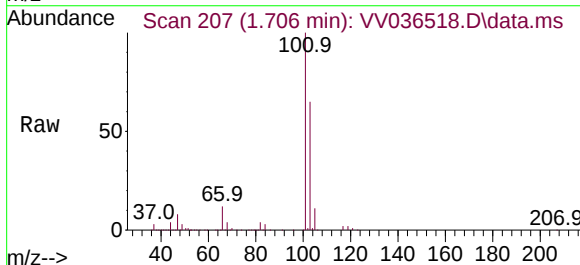
Instrument :
MSVOA_V
ClientSampleId :

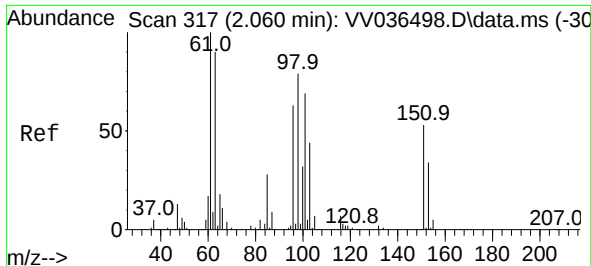
Tgt Ion: 64 Resp: 64771
Ion Ratio Lower Upper
64 100
66 32.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 24.321 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

Tgt Ion:101 Resp: 169160
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9

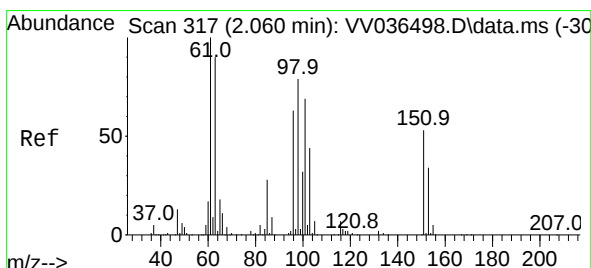
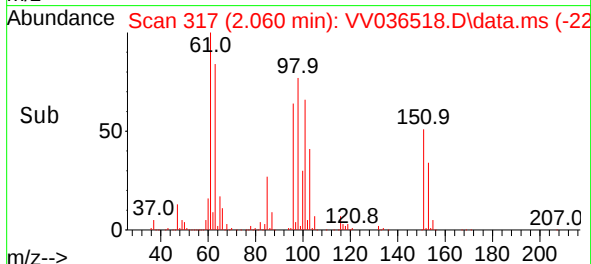
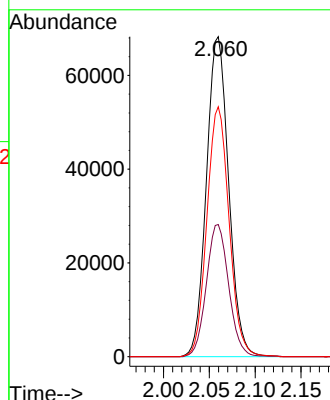
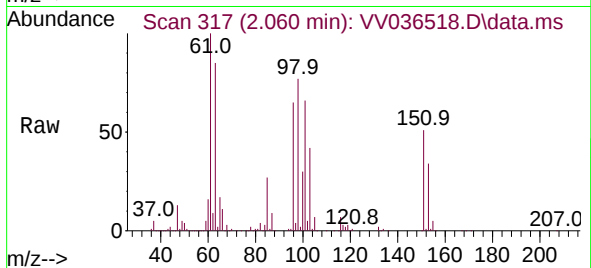




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 24.567 ug/L
RT: 2.060 min Scan# 317
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

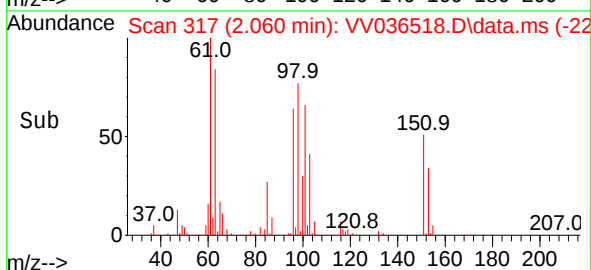
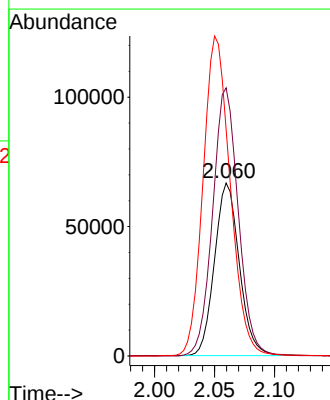
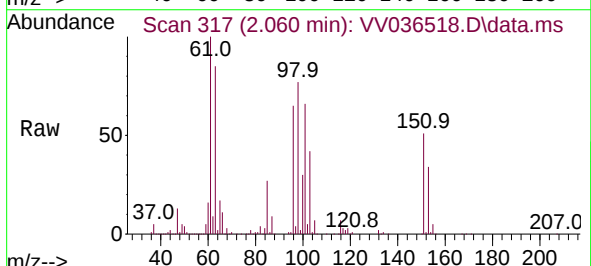
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ClientSampleId :

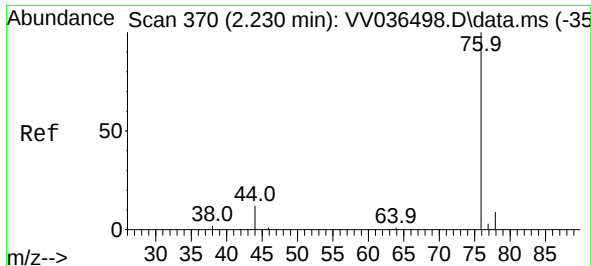
Tgt Ion:101 Resp: 115215
Ion Ratio Lower Upper
101 100
85 41.5 32.5 48.7
151 77.9 62.6 94.0



#12
1,1-Dichloroethene
Concen: 23.675 ug/L
RT: 2.060 min Scan# 317
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

Tgt Ion: 96 Resp: 95766
Ion Ratio Lower Upper
96 100
61 155.0 110.8 205.8
63 131.0 103.9 192.9

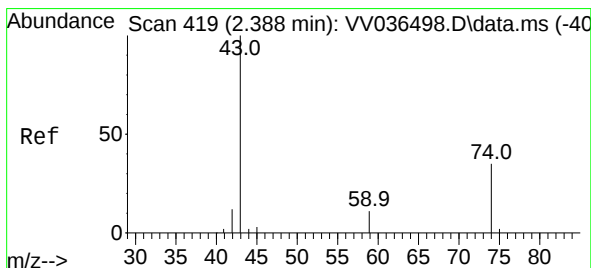
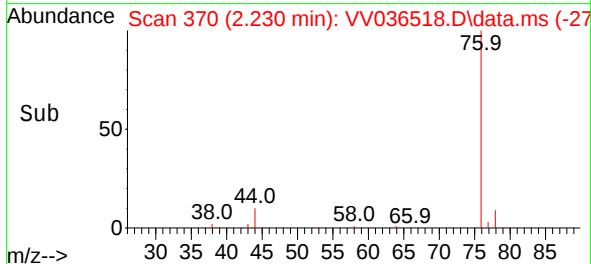
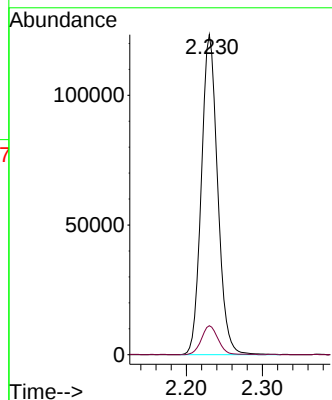
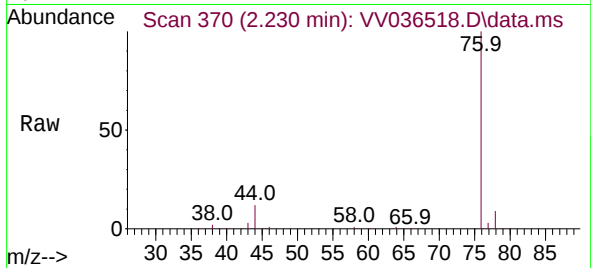




#14
Carbon disulfide
Concen: 20.238 ug/L
RT: 2.230 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

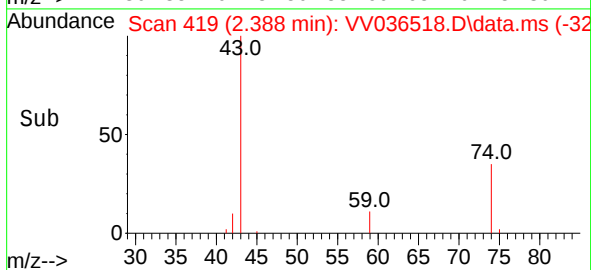
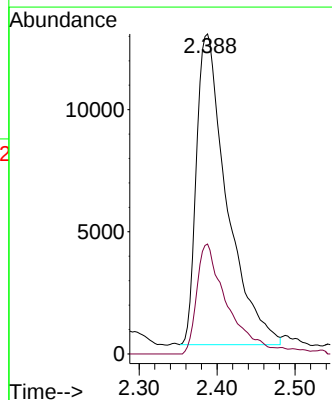
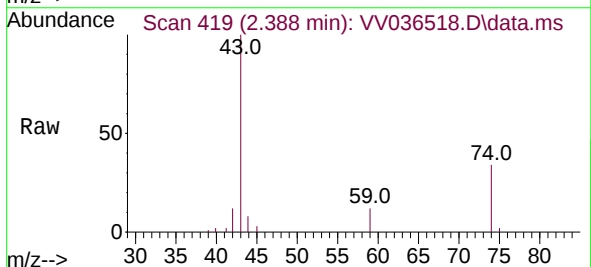
Instrument :
MSVOA_V
ClientSampleId :

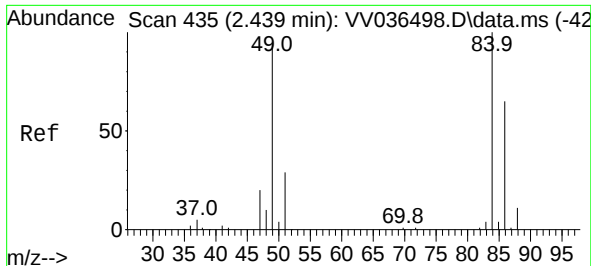
Tgt Ion: 76 Resp: 183806
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#15
Methyl Acetate
Concen: 26.854 ug/L
RT: 2.388 min Scan# 419
Delta R.T. -0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

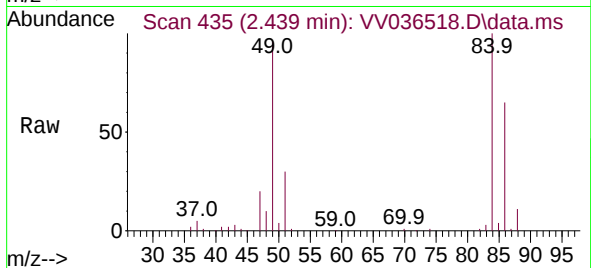
Tgt Ion: 43 Resp: 34441
Ion Ratio Lower Upper
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74 35.4 26.3 39.5



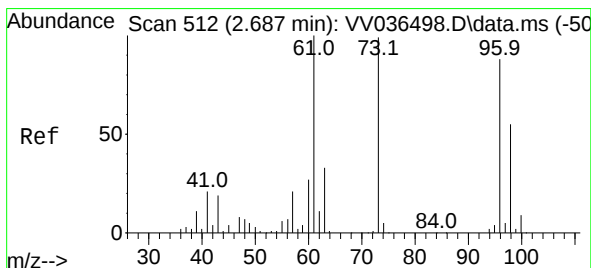
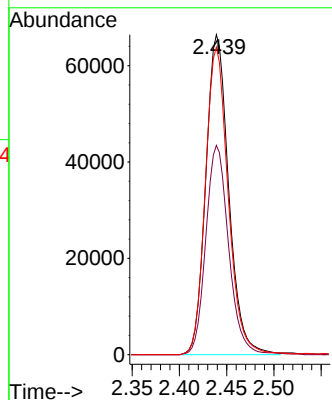
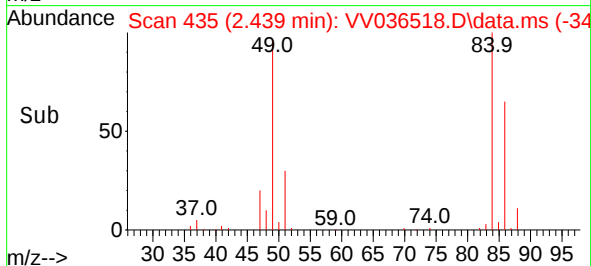


#16
Methylene chloride
Concen: 19.905 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

Instrument :
MSVOA_V
ClientSampleId :

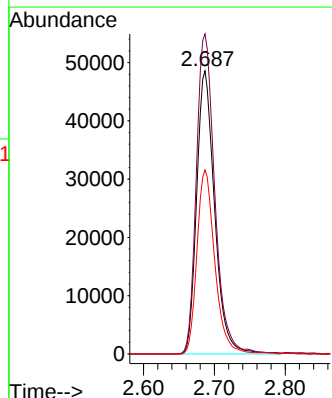
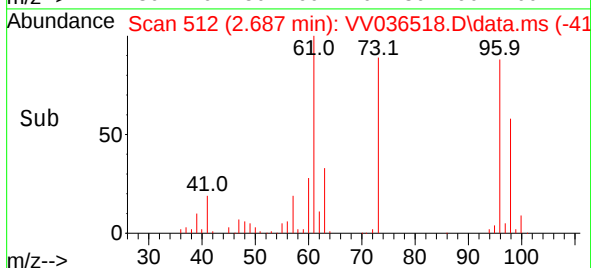
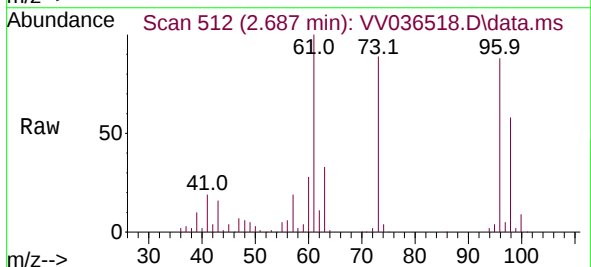


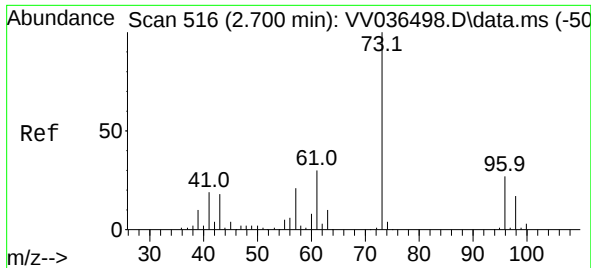
Tgt Ion: 84 Resp: 112058
Ion Ratio Lower Upper
84 100
86 65.4 46.3 86.1
49 96.1 68.1 126.5



#17
trans-1,2-Dichloroethene
Concen: 23.295 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

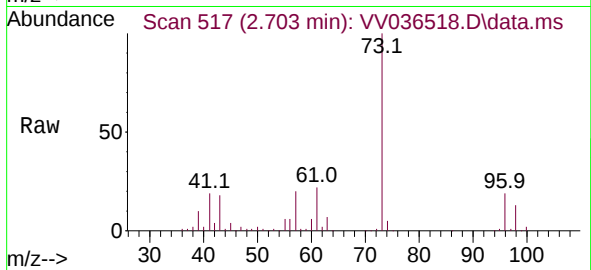
Tgt Ion: 96 Resp: 85634
Ion Ratio Lower Upper
96 100
61 113.1 80.7 149.9
98 65.0 44.6 82.8



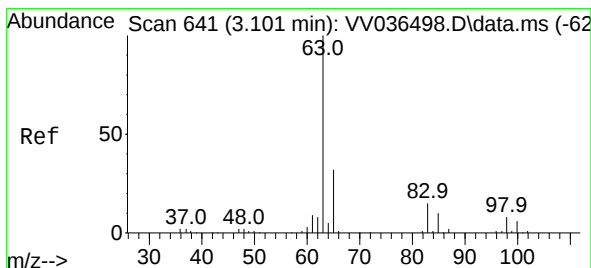
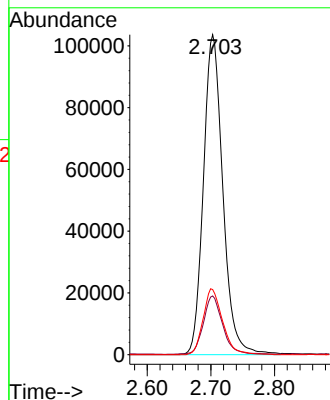
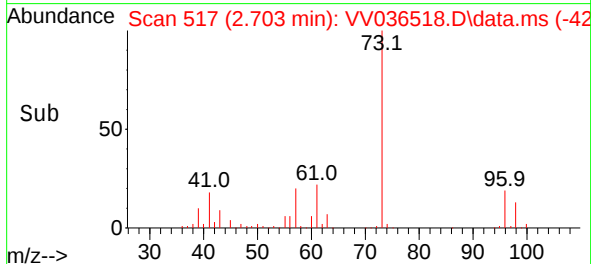


#18
Methyl tert-butyl Ether
Concen: 26.693 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

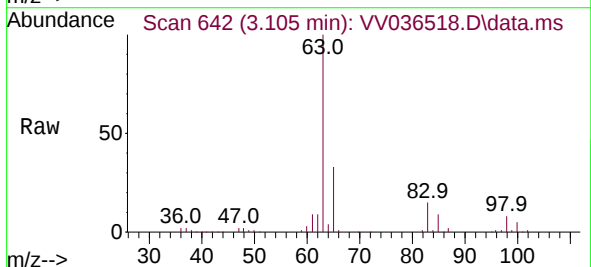
Instrument :
MSVOA_V
ClientSampleId :



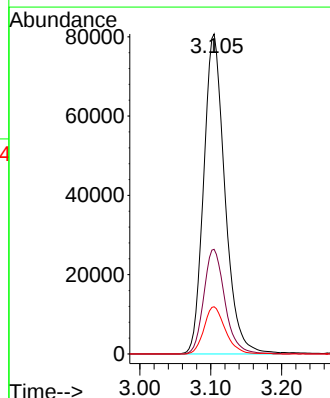
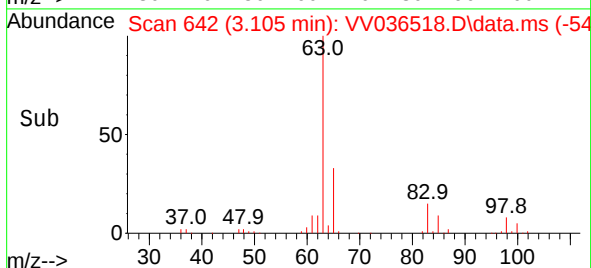
Tgt Ion: 73 Resp: 219882
Ion Ratio Lower Upper
73 100
43 17.7 14.3 21.5
57 20.6 16.5 24.7

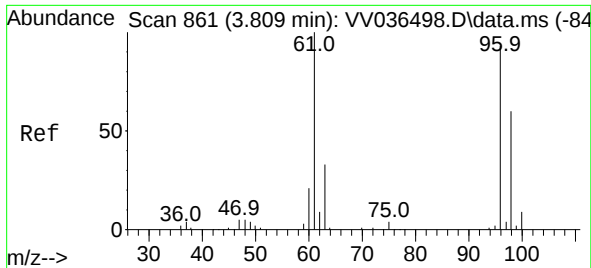


#19
1,1-Dichloroethane
Concen: 25.189 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22



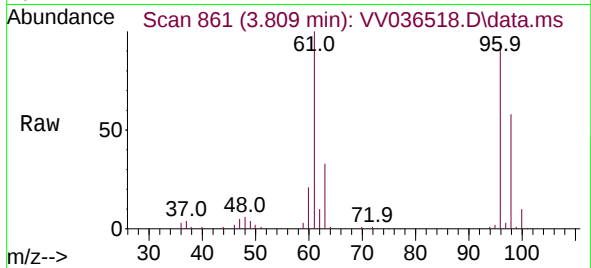
Tgt Ion: 63 Resp: 167605
Ion Ratio Lower Upper
63 100
65 32.7 22.7 42.1
83 14.8 10.9 20.2



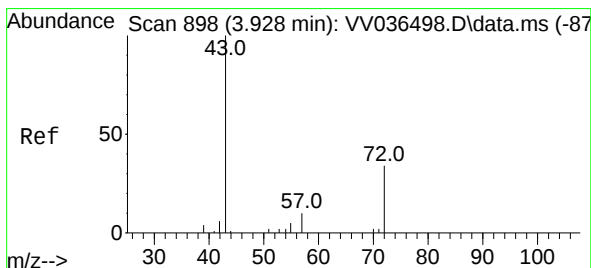
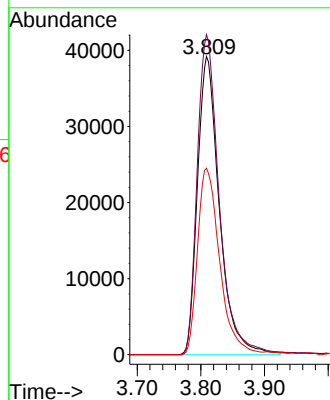
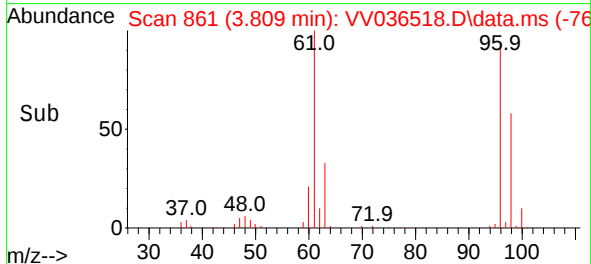


#20
cis-1,2-Dichloroethene
Concen: 24.532 ug/L
RT: 3.809 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

Instrument :
MSVOA_V
ClientSampleId :

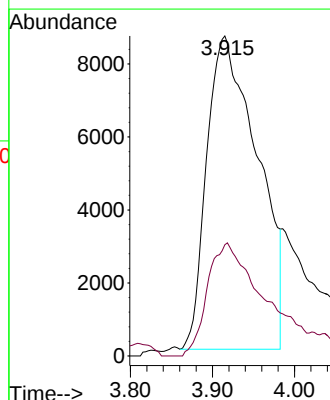
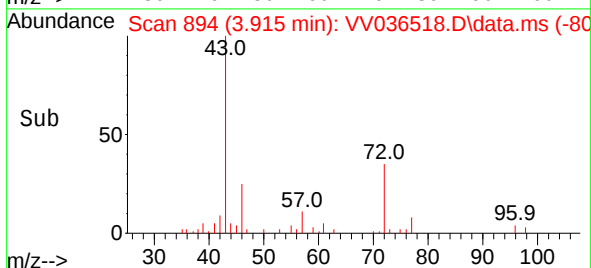
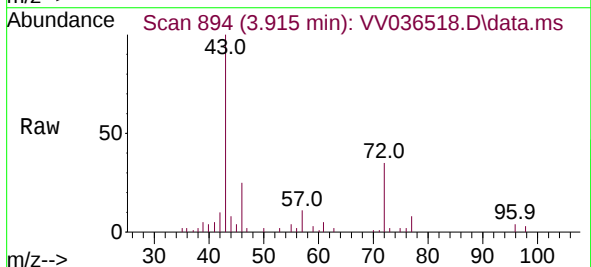


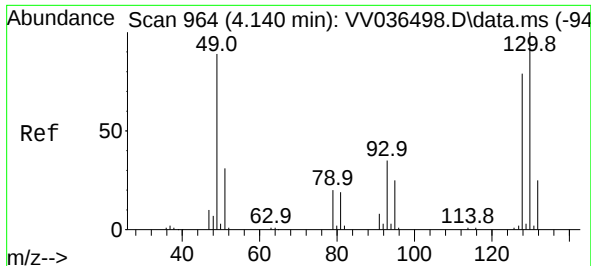
Tgt Ion: 96 Resp: 93730
Ion Ratio Lower Upper
96 100
61 107.3 74.8 138.8
98 62.5 45.2 84.0



#22
2-Butanone
Concen: 46.359 ug/L
RT: 3.915 min Scan# 894
Delta R.T. -0.013 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

Tgt Ion: 43 Resp: 36947
Ion Ratio Lower Upper
43 100
72 32.4 5.9 17.6#





#23

Bromochloromethane

Concen: 26.870 ug/L

RT: 4.140 min Scan# 9

Delta R.T. 0.000 min

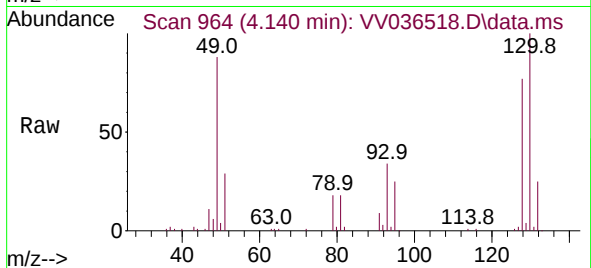
Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 58308

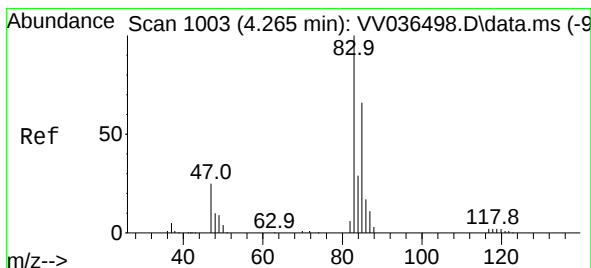
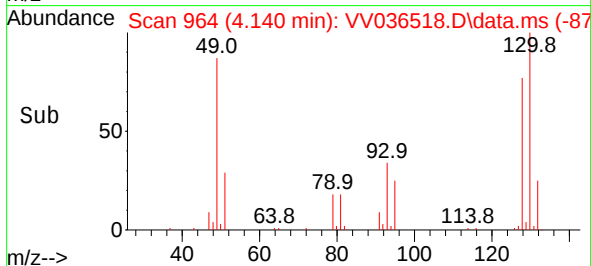
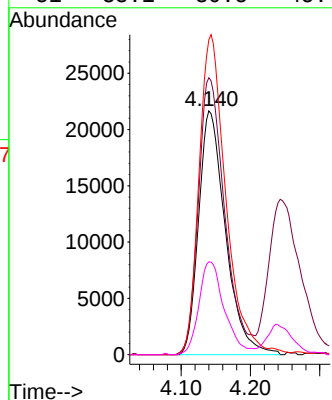
Ion Ratio Lower Upper

128 100

49 113.6 80.7 149.9

130 129.2 89.9 167.0

51 38.1 30.5 45.7



#25

Chloroform

Concen: 26.065 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. 0.003 min

Lab File: VV036518.D

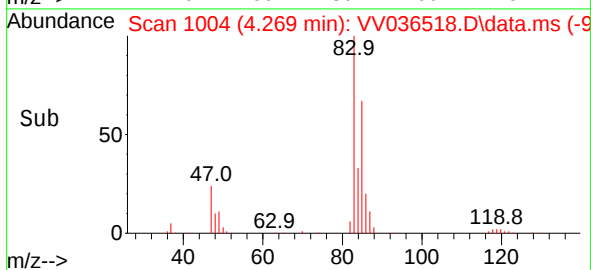
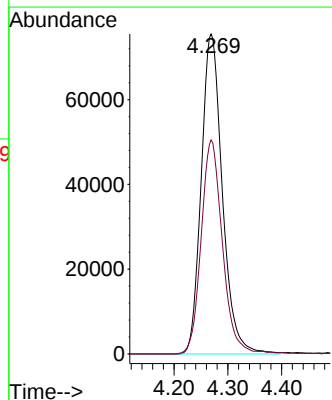
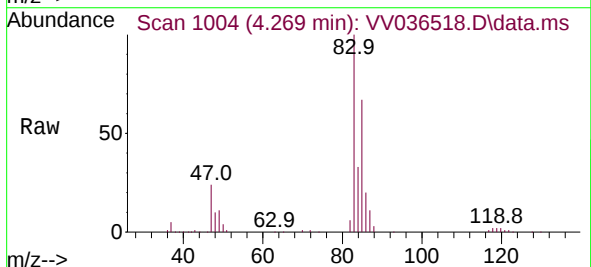
Acq: 15 Jul 2024 10:22

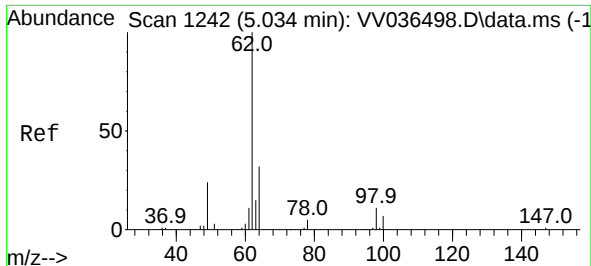
Tgt Ion: 83 Resp: 205933

Ion Ratio Lower Upper

83 100

85 66.9 45.6 84.6





#27

1,2-Dichloroethane

Concen: 27.330 ug/L

RT: 5.037 min Scan# 1242

Delta R.T. 0.003 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

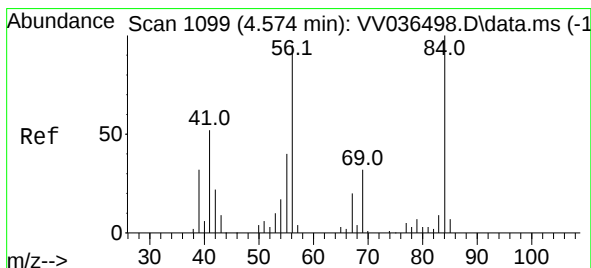
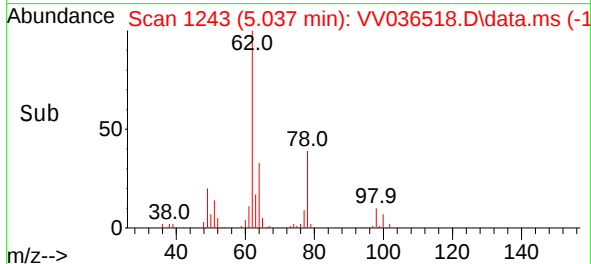
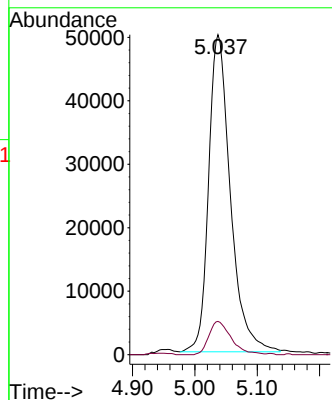
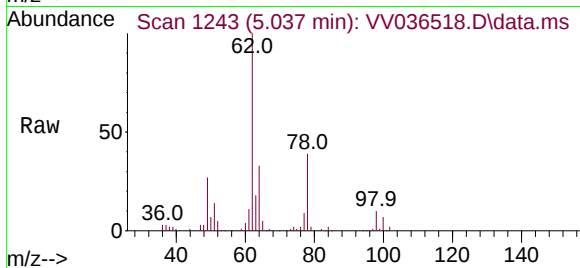
ClientSampleId :

Tgt Ion: 62 Resp: 121295

Ion Ratio Lower Upper

62 100

98 10.4 8.9 13.3



#29

Cyclohexane

Concen: 20.905 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

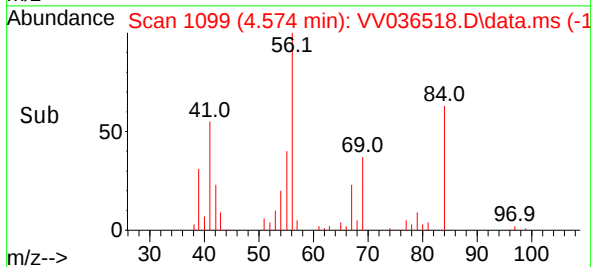
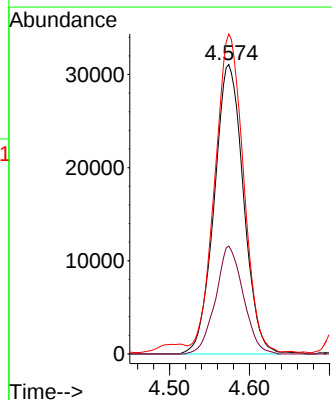
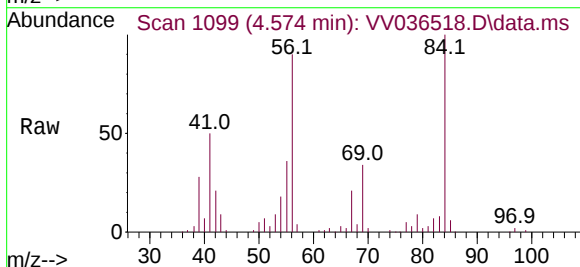
Tgt Ion: 56 Resp: 78852

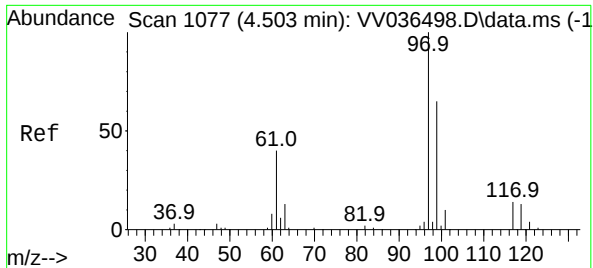
Ion Ratio Lower Upper

56 100

69 35.2 27.6 41.4

84 108.6 85.4 128.2

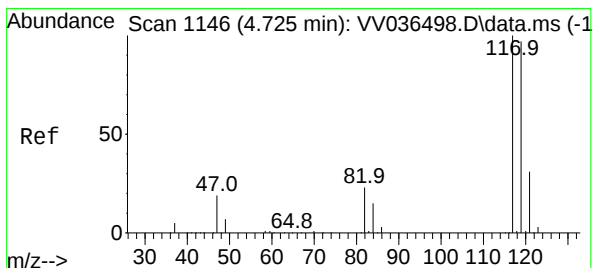
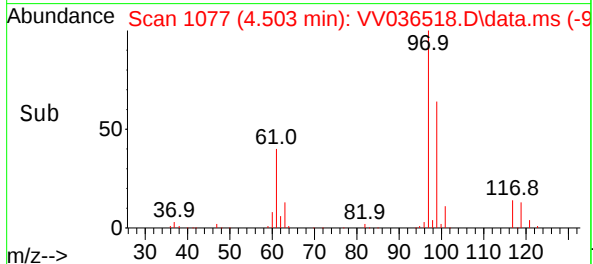
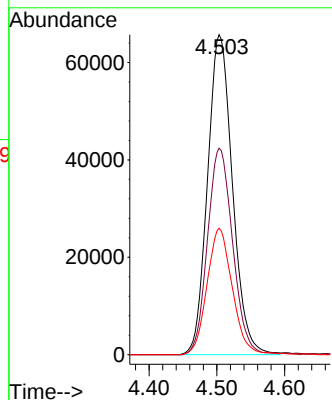
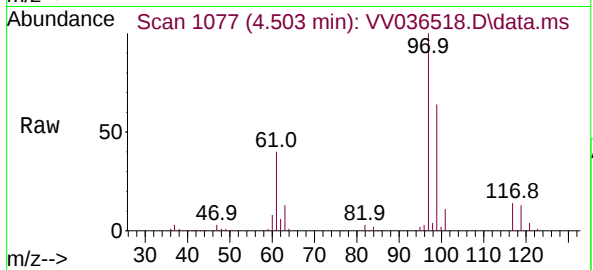




#30
1,1,1-Trichloroethane
Concen: 24.367 ug/L
RT: 4.503 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

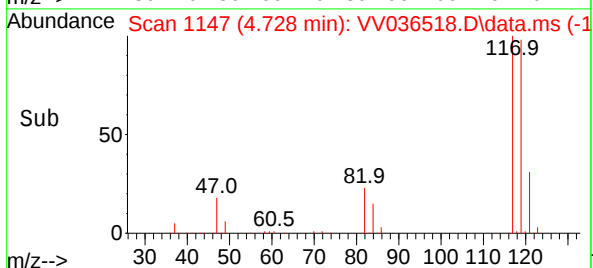
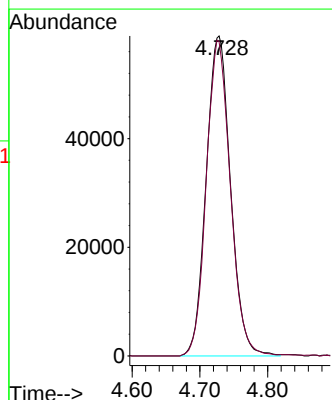
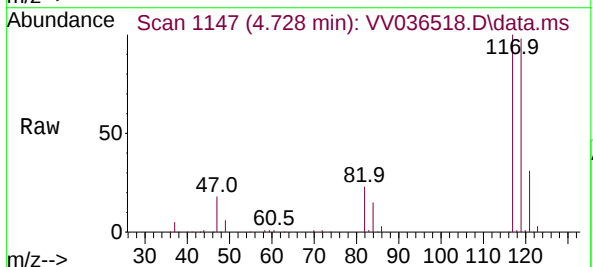
Instrument :
MSVOA_V
ClientSampleId :

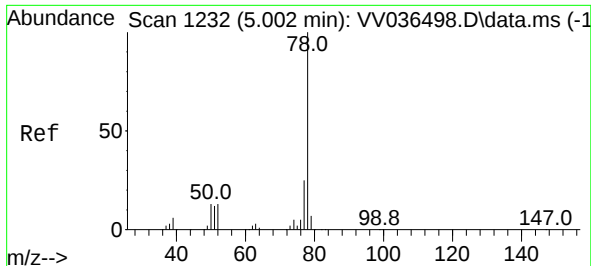
Tgt Ion: 97 Resp: 167955
Ion Ratio Lower Upper
97 100
99 65.1 51.9 77.9
61 39.7 32.2 48.4



#31
Carbon tetrachloride
Concen: 24.121 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

Tgt Ion:117 Resp: 147449
Ion Ratio Lower Upper
117 100
119 97.0 77.6 116.4





#33

Benzene

Concen: 24.952 ug/L

RT: 5.002 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036518.D

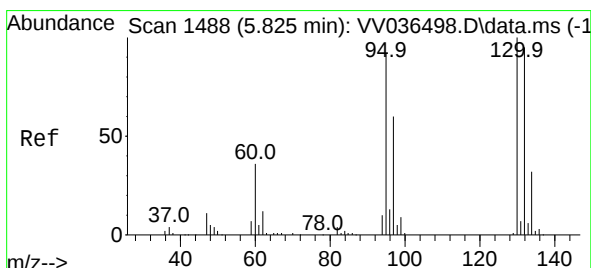
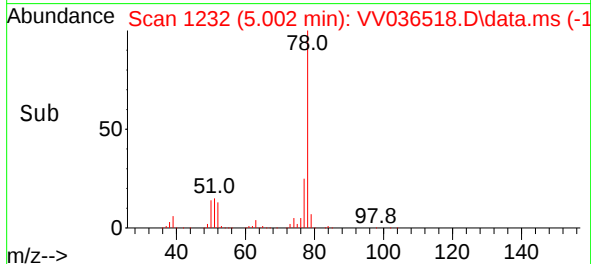
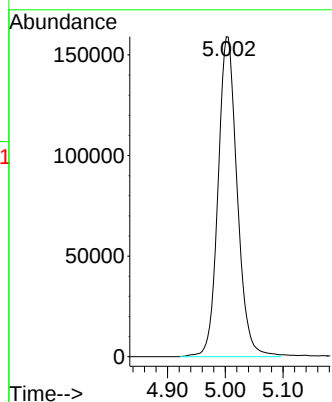
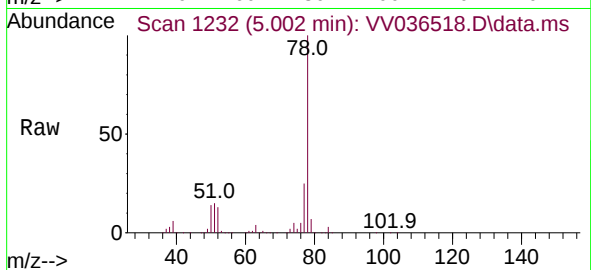
Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 366123



#34

Trichloroethene

Concen: 24.500 ug/L

RT: 5.828 min Scan# 1489

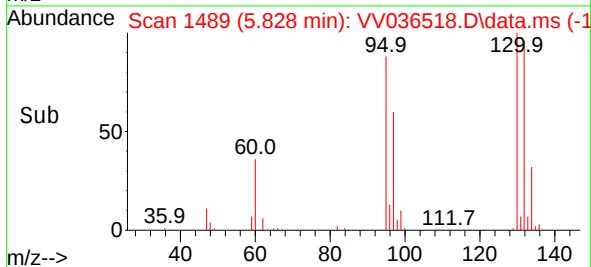
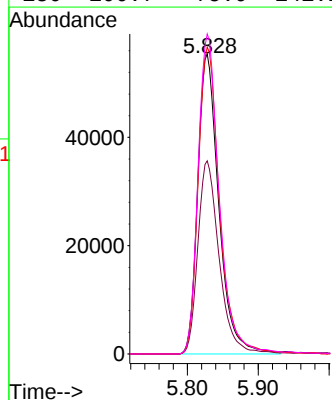
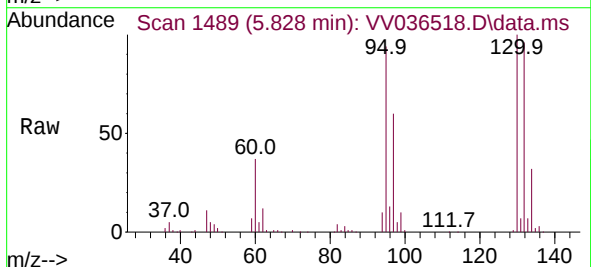
Delta R.T. 0.003 min

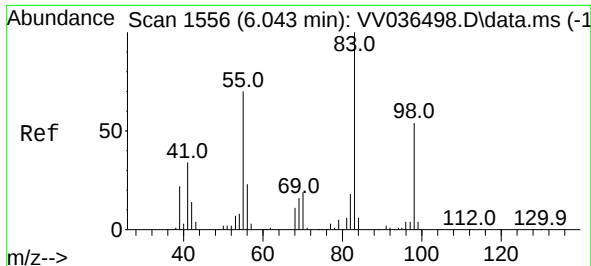
Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Tgt Ion: 95 Resp: 114397

Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.4	82.4
132	102.4	73.0	135.6
130	106.7	75.9	141.1





#35

Methylcyclohexane

Concen: 22.111 ug/L

RT: 6.047 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

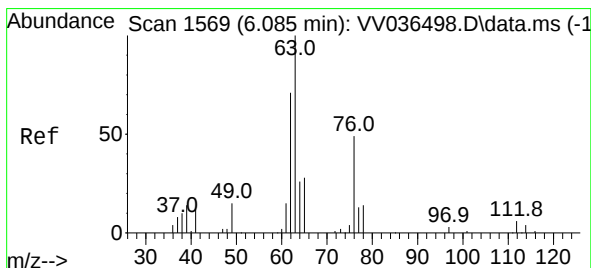
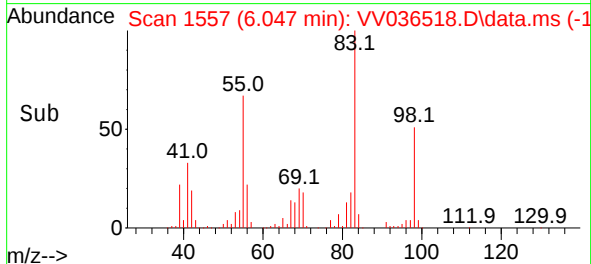
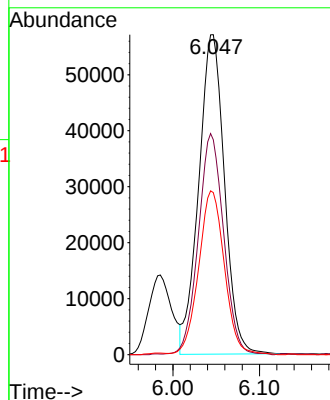
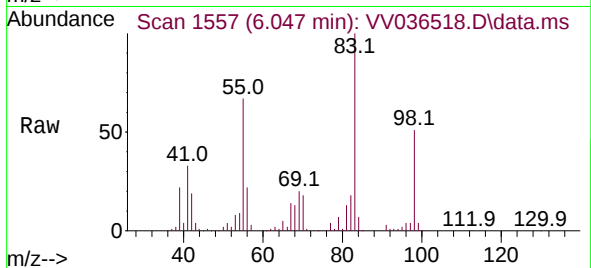
Tgt Ion: 83 Resp: 117826

Ion Ratio Lower Upper

83 100

55 67.7 54.3 81.5

98 51.4 41.7 62.5



#37

1,2-Dichloropropane

Concen: 26.394 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. 0.003 min

Lab File: VV036518.D

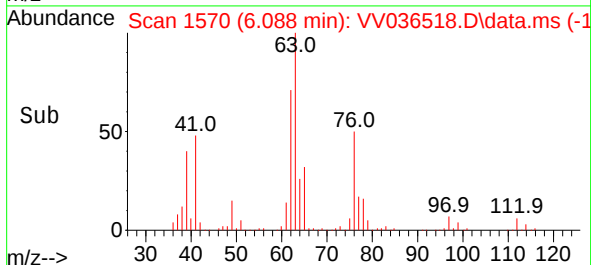
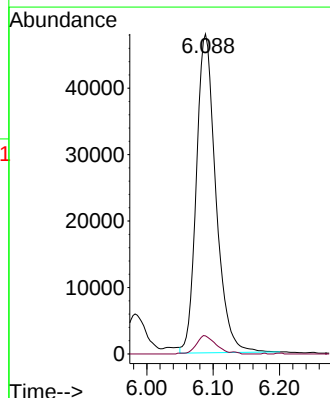
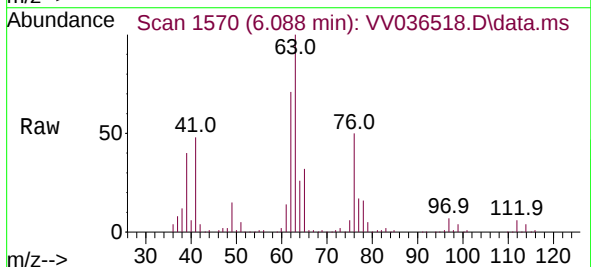
Acq: 15 Jul 2024 10:22

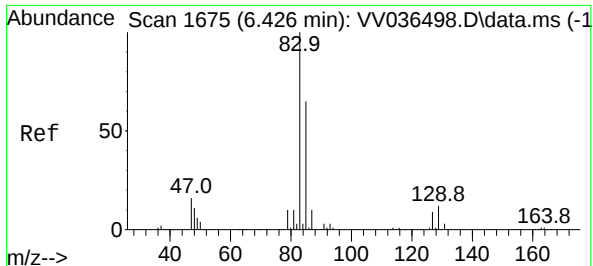
Tgt Ion: 63 Resp: 97741

Ion Ratio Lower Upper

63 100

112 5.6 4.5 6.7





#38

Bromodichloromethane

Concen: 25.901 ug/L

RT: 6.429 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

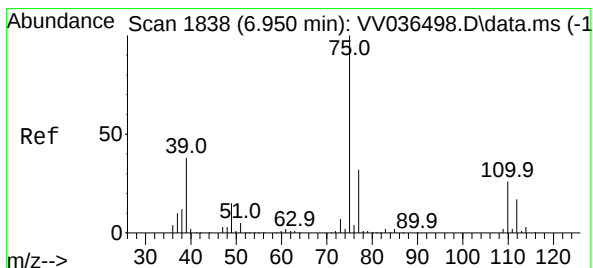
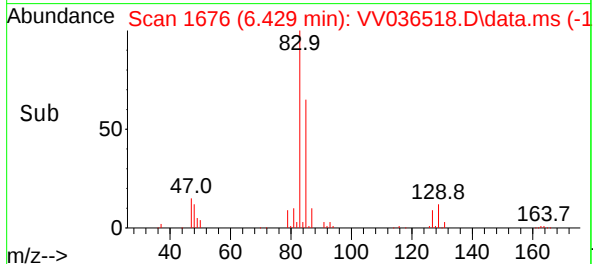
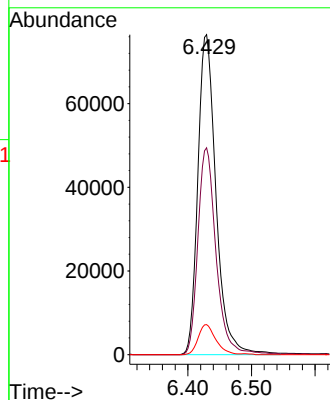
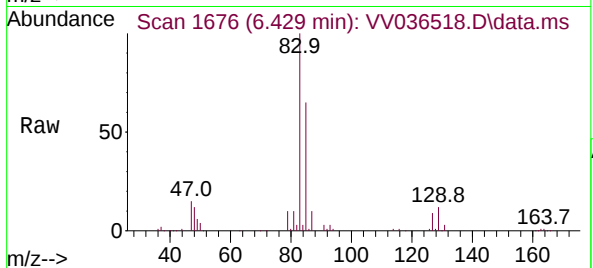
Tgt Ion: 83 Resp: 151975

Ion Ratio Lower Upper

83 100

85 64.6 44.3 82.3

127 9.4 7.0 10.4



#39

cis-1,3-Dichloropropene

Concen: 24.950 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. -0.000 min

Lab File: VV036518.D

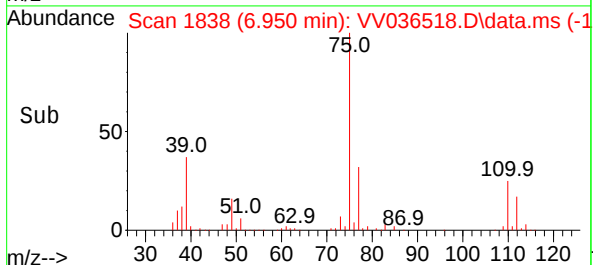
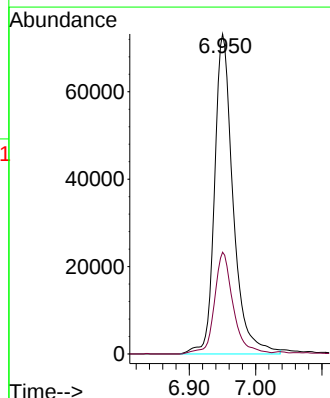
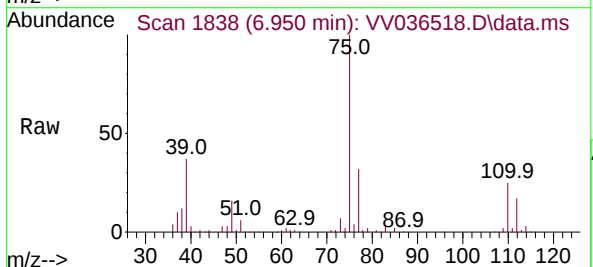
Acq: 15 Jul 2024 10:22

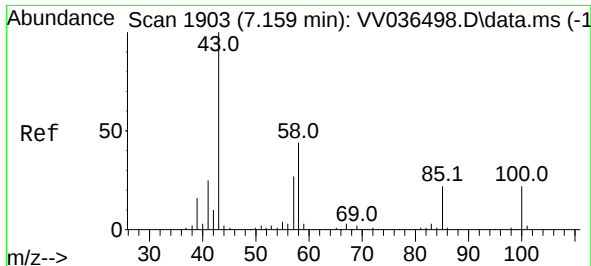
Tgt Ion: 75 Resp: 142473

Ion Ratio Lower Upper

75 100

77 31.8 22.2 41.2





#40

4-Methyl-2-pentanone

Concen: 55.030 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

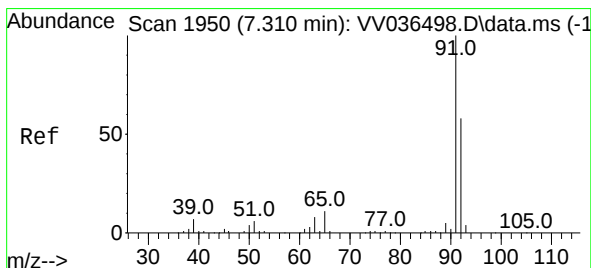
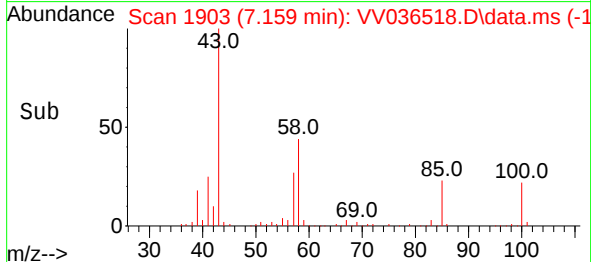
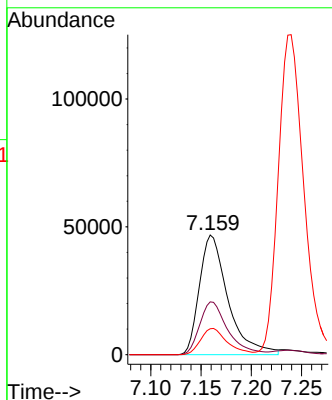
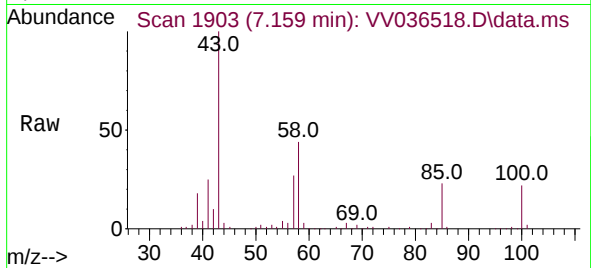
Tgt Ion: 43 Resp: 92607

Ion Ratio Lower Upper

43 100

58 43.4 32.9 49.3

100 20.4 15.5 23.3



#42

Toluene

Concen: 26.421 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036518.D

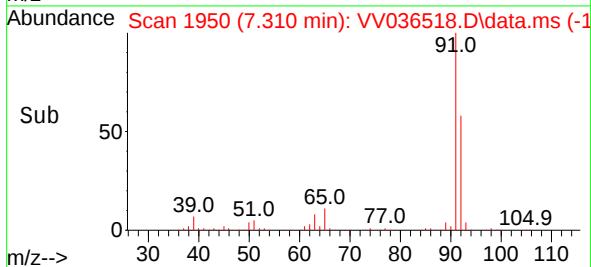
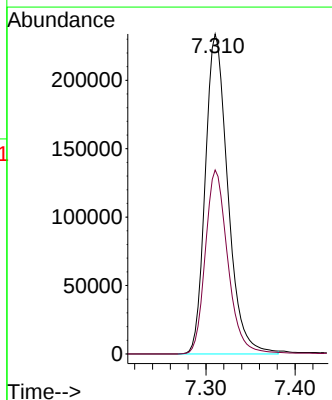
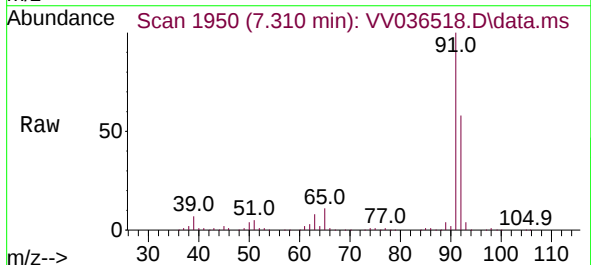
Acq: 15 Jul 2024 10:22

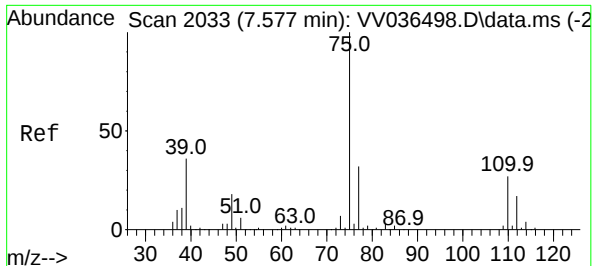
Tgt Ion: 91 Resp: 410792

Ion Ratio Lower Upper

91 100

92 57.5 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 27.001 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

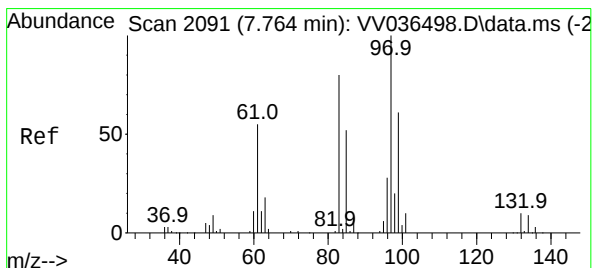
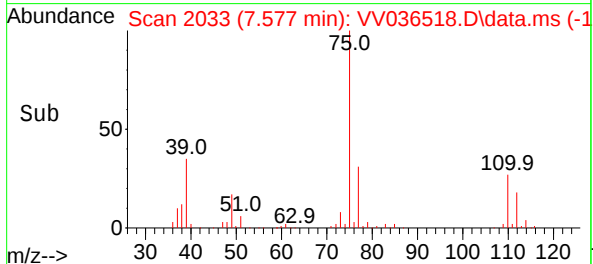
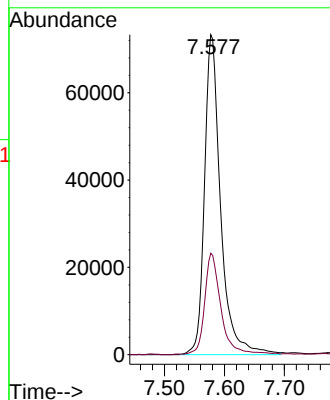
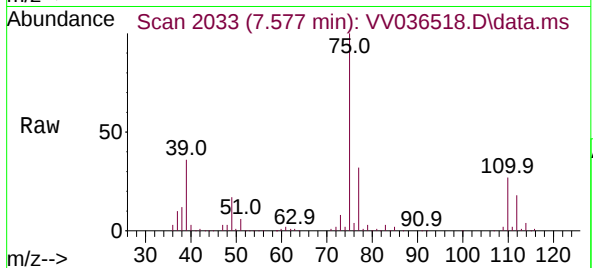
ClientSampleId :

Tgt Ion: 75 Resp: 137473

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7



#45

1,1,2-Trichloroethane

Concen: 27.187 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Tgt Ion: 97 Resp: 99206

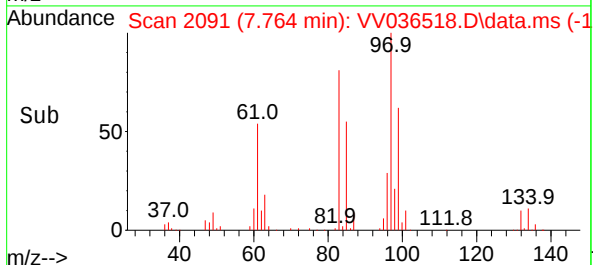
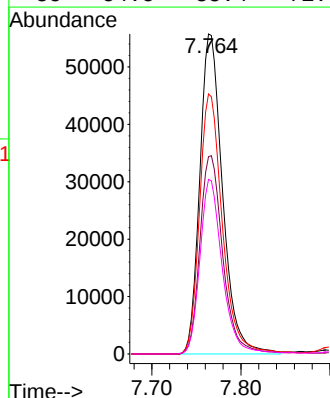
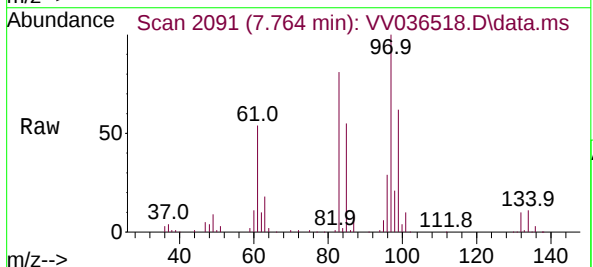
Ion Ratio Lower Upper

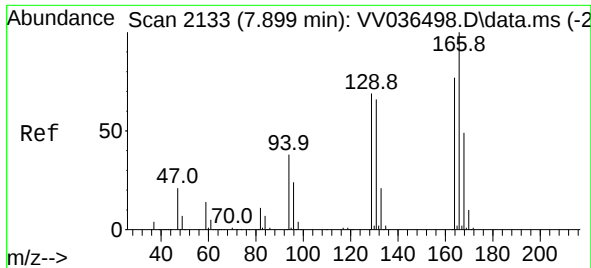
97 100

99 61.7 42.6 79.2

83 81.2 58.0 107.6

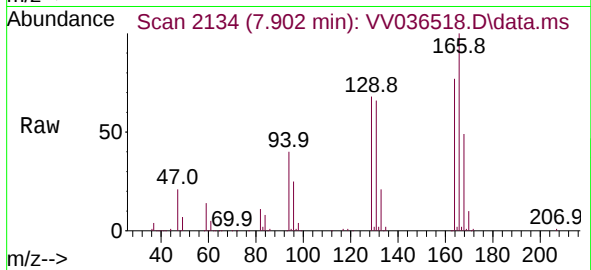
85 54.5 38.4 71.4



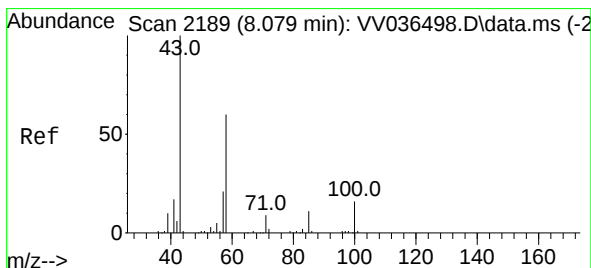
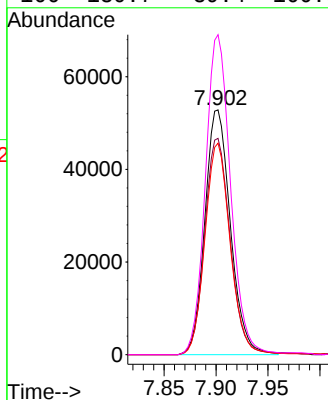
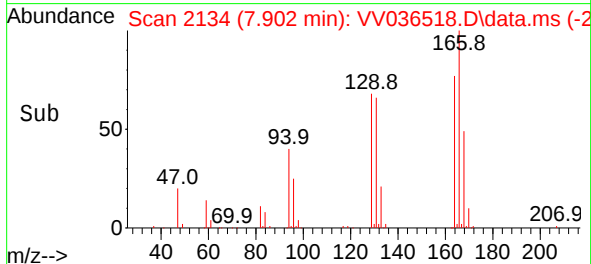


#46
Tetrachloroethene
Concen: 24.020 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

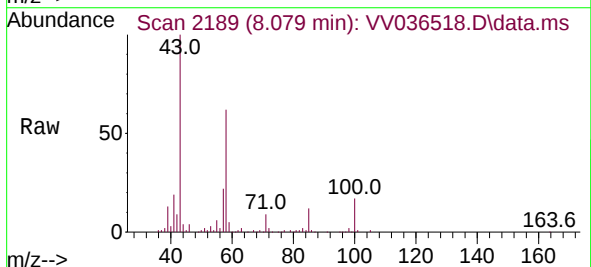
Instrument :
MSVOA_V
ClientSampleId :



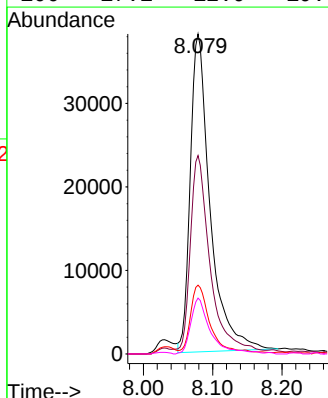
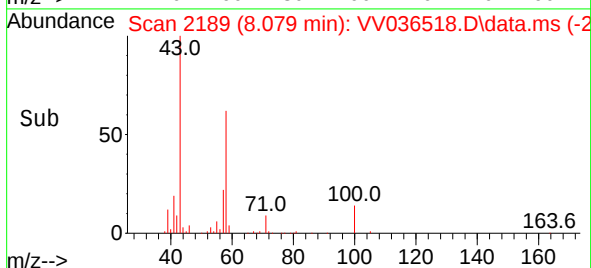
Tgt Ion:164 Resp: 90682
Ion Ratio Lower Upper
164 100
129 88.4 61.0 113.4
131 86.4 59.8 111.1
166 130.7 89.4 166.0

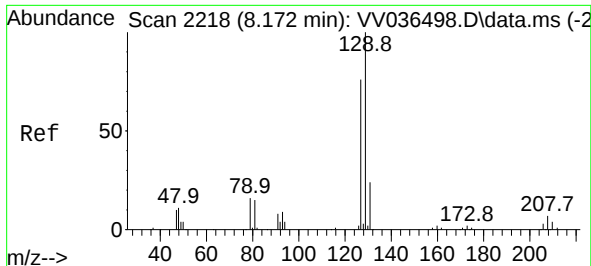


#48
2-Hexanone
Concen: 60.783 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22



Tgt Ion: 43 Resp: 75876
Ion Ratio Lower Upper
43 100
58 60.6 49.5 74.3
57 19.2 15.3 22.9
100 17.1 12.9 19.3





#49

Dibromochloromethane

Concen: 27.042 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

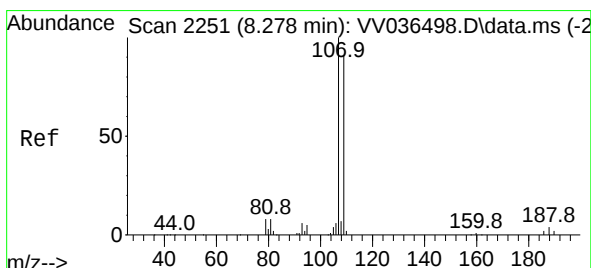
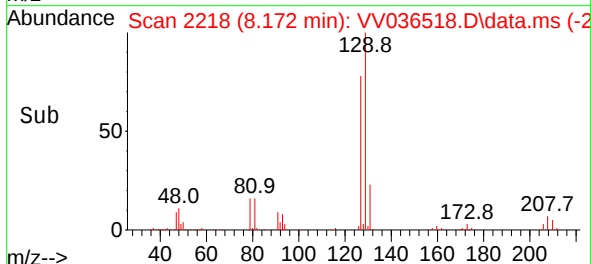
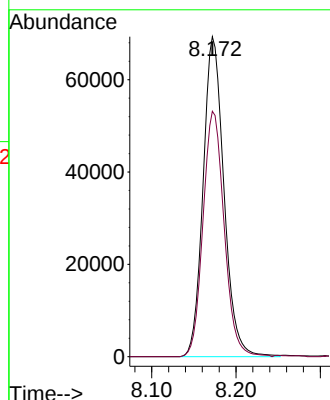
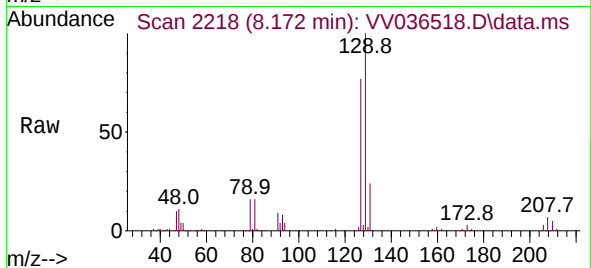
ClientSampleId :

Tgt Ion:129 Resp: 119323

Ion Ratio Lower Upper

129 100

127 76.7 53.7 99.7



#50

1,2-Dibromoethane

Concen: 27.415 ug/L

RT: 8.278 min Scan# 2251

Delta R.T. 0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

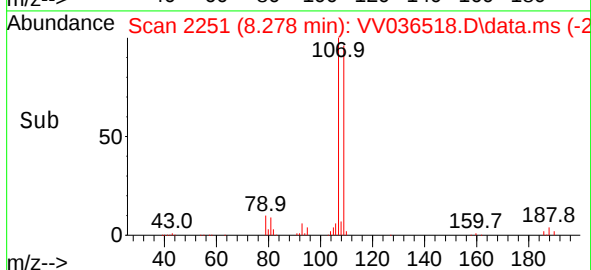
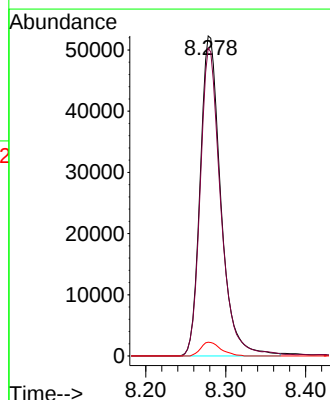
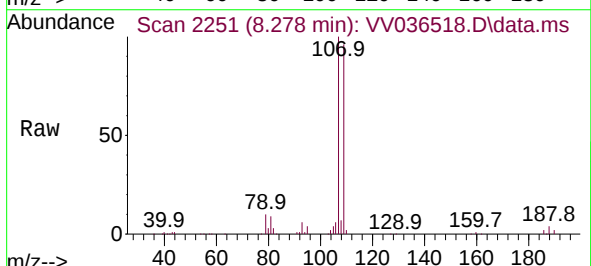
Tgt Ion:107 Resp: 93887

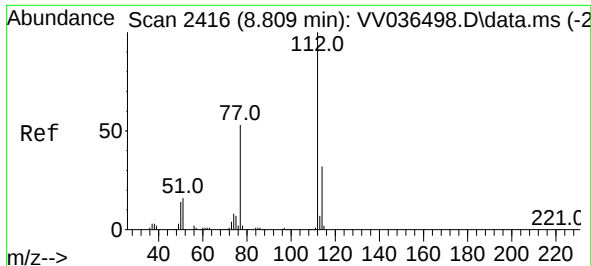
Ion Ratio Lower Upper

107 100

109 96.3 66.2 123.0

188 4.3 3.4 5.0

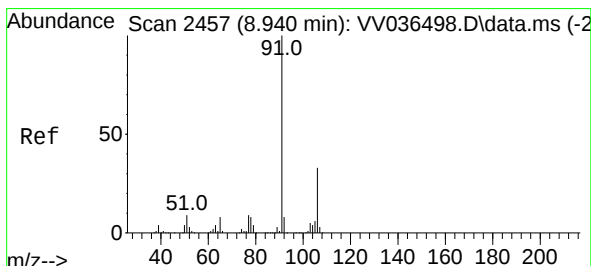
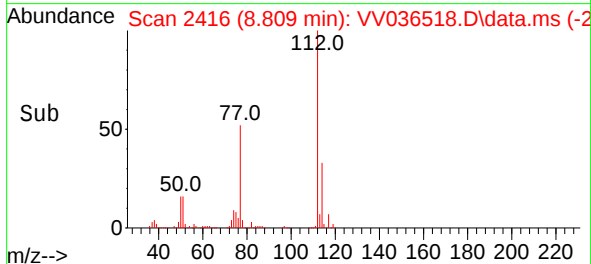
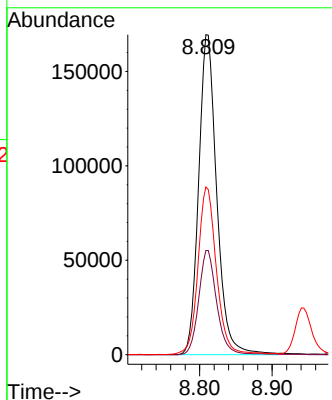
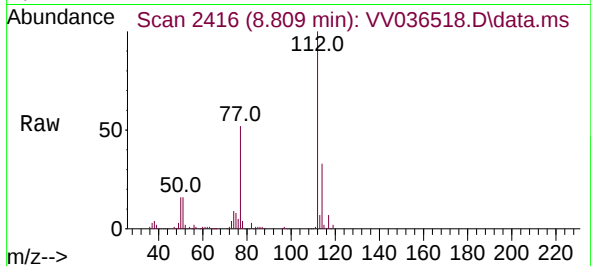




#51
Chlorobenzene
Concen: 25.298 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

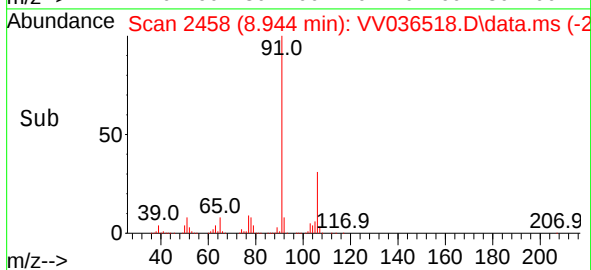
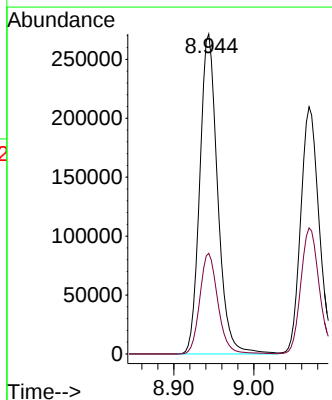
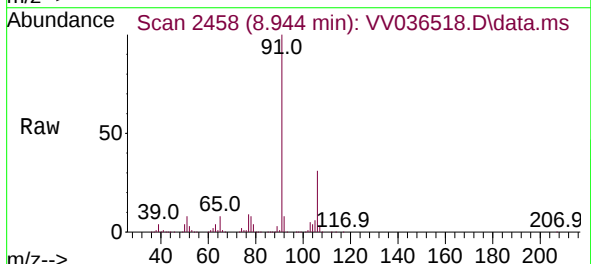
Instrument :
MSVOA_V
ClientSampleId :

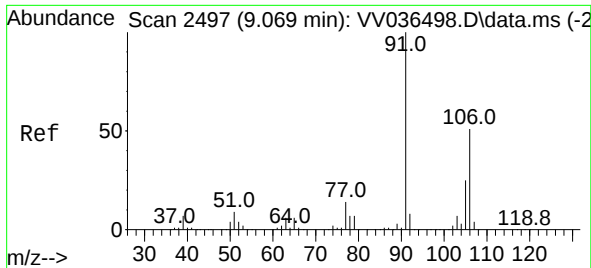
Tgt Ion:112 Resp: 294568
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.9
77 52.4 43.0 64.6



#52
Ethylbenzene
Concen: 25.385 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

Tgt Ion: 91 Resp: 423373
Ion Ratio Lower Upper
91 100
106 31.4 22.6 42.0

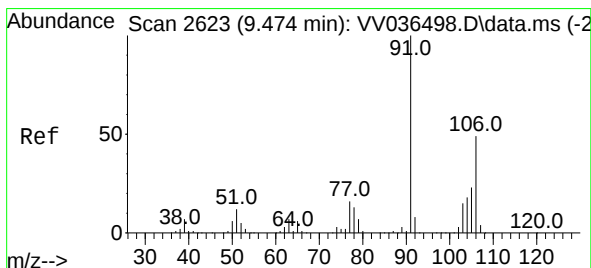
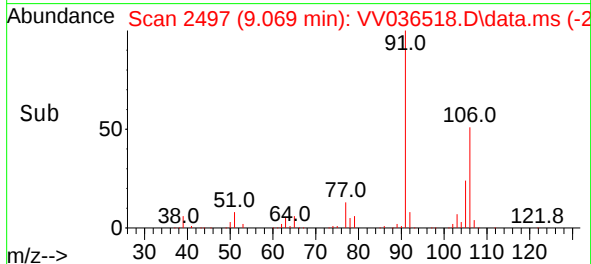
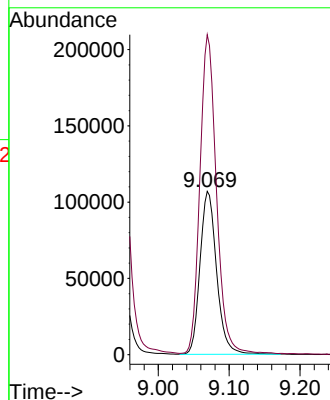
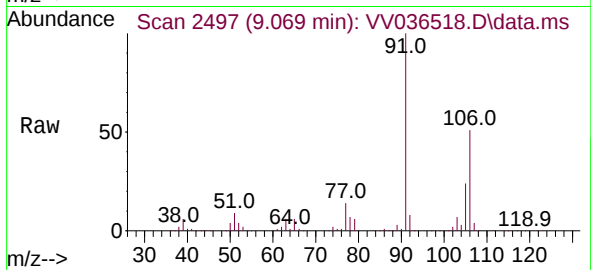




#53
m,p-Xylene
Concen: 27.081 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

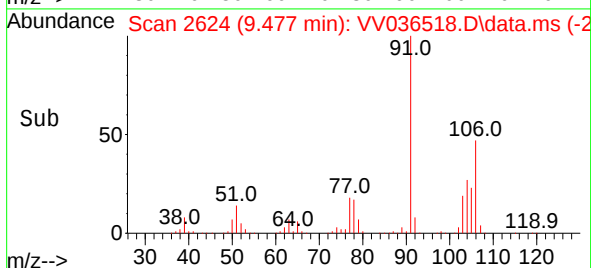
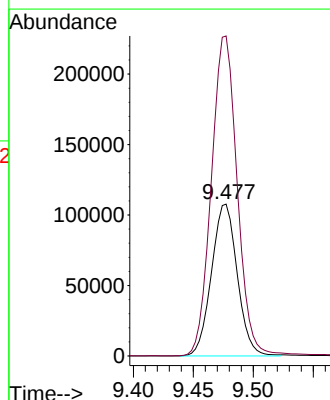
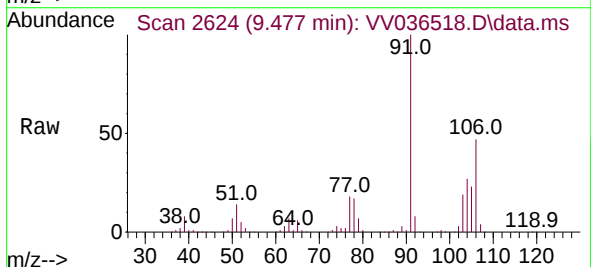
Instrument :
MSVOA_V
ClientSampleId :

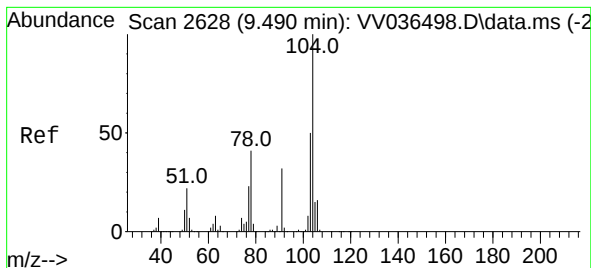
Tgt Ion:106 Resp: 173893
Ion Ratio Lower Upper
106 100
91 196.0 137.1 254.7



#54
o-Xylene
Concen: 26.315 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV036518.D
Acq: 15 Jul 2024 10:22

Tgt Ion:106 Resp: 160877
Ion Ratio Lower Upper
106 100
91 210.8 147.3 273.6





#55

Styrene

Concen: 29.445 ug/L

RT: 9.493 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

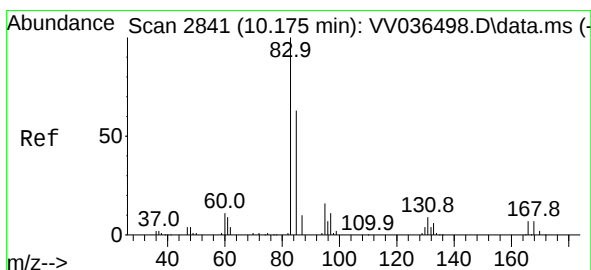
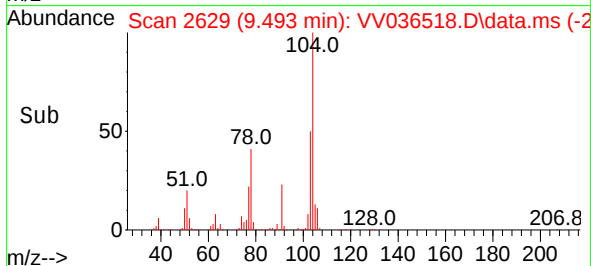
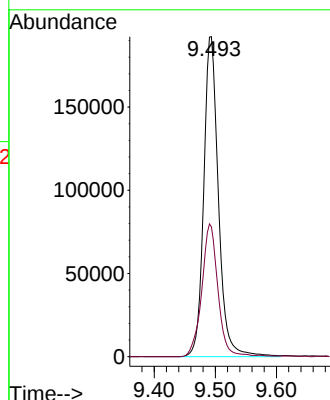
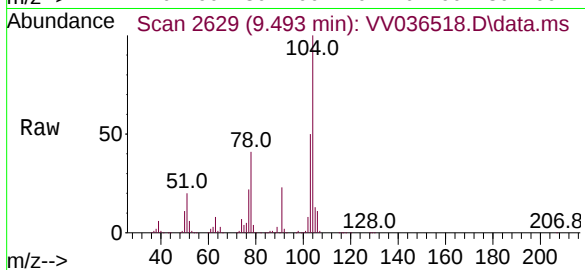
ClientSampleId :

Tgt Ion:104 Resp: 322078

Ion Ratio Lower Upper

104 100

78 40.6 28.8 53.6



#57

1,1,2,2-Tetrachloroethane

Concen: 26.553 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

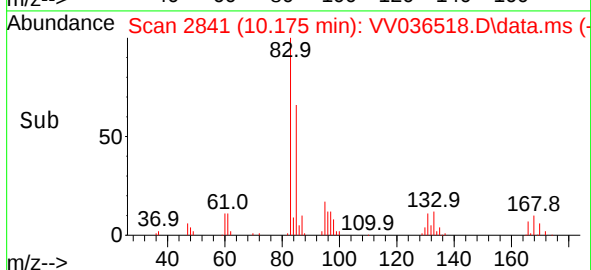
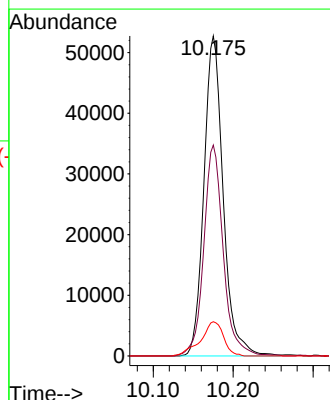
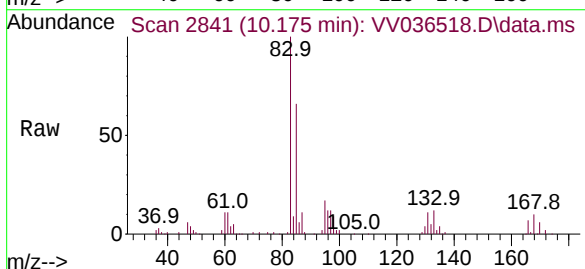
Tgt Ion: 83 Resp: 88476

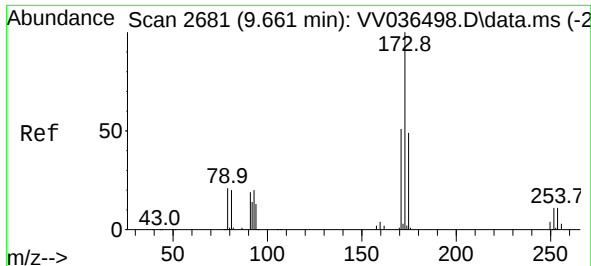
Ion Ratio Lower Upper

83 100

85 65.9 45.0 83.6

131 10.7 8.1 12.1





#59

Bromoform

Concen: 26.089 ug/L

RT: 9.661 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

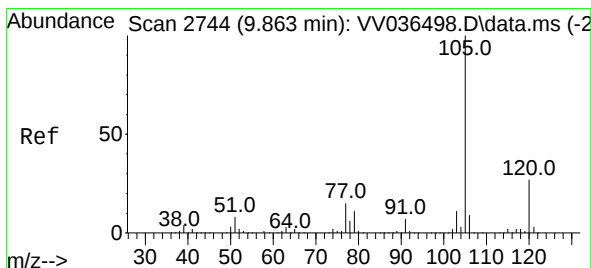
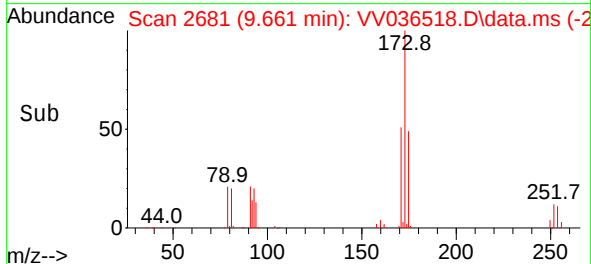
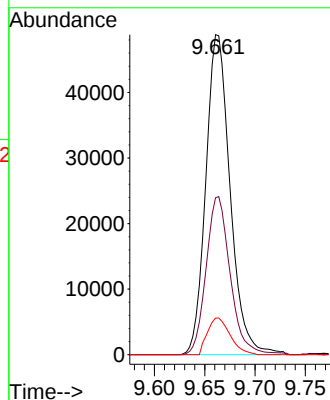
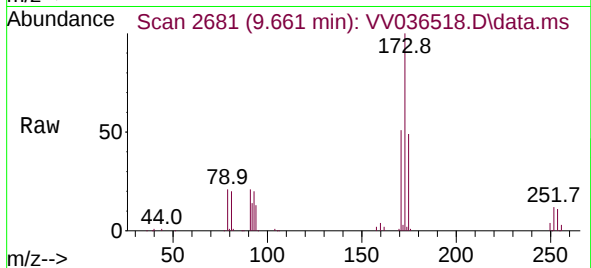
Tgt Ion:173 Resp: 82275

Ion Ratio Lower Upper

173 100

175 48.9 37.6 56.4

254 10.7 8.2 12.4



#60

Isopropylbenzene

Concen: 24.654 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

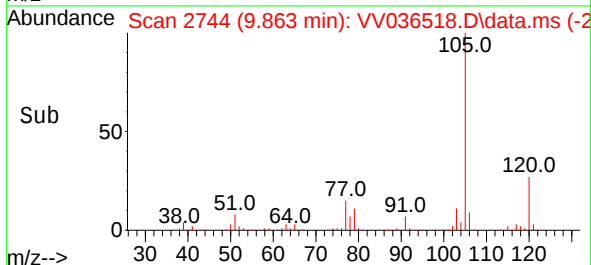
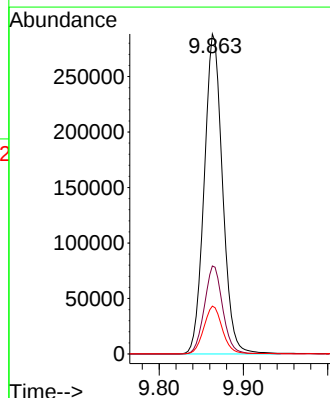
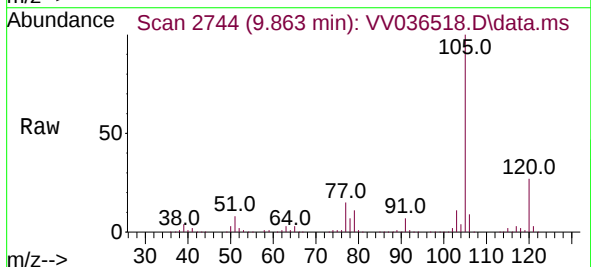
Tgt Ion:105 Resp: 438253

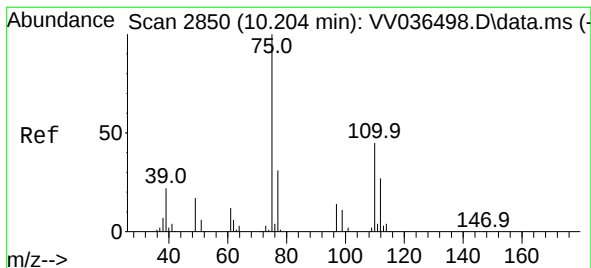
Ion Ratio Lower Upper

105 100

120 27.5 21.8 32.6

77 14.9 12.0 18.0





#61

1,2,3-Trichloropropane

Concen: 25.894 ug/L

RT: 10.207 min Scan# 2850

Delta R.T. 0.003 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

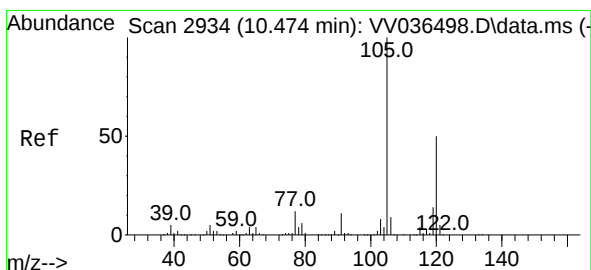
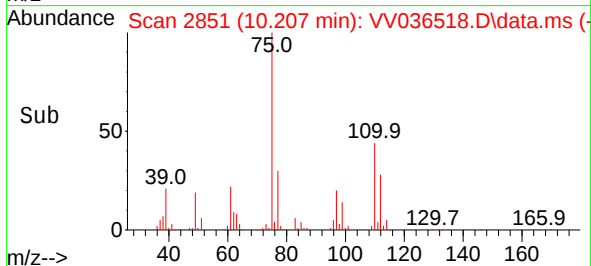
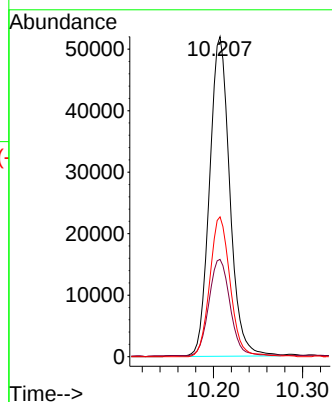
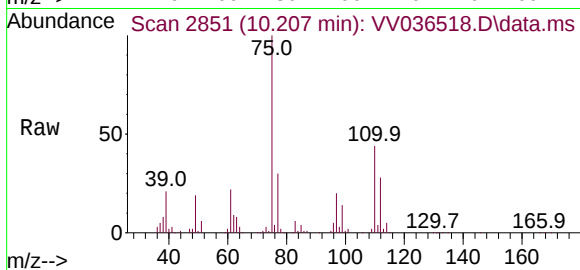
Tgt Ion: 75 Resp: 81975

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

110 44.3 34.8 52.2



#62

1,3,5-Trimethylbenzene

Concen: 24.271 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036518.D

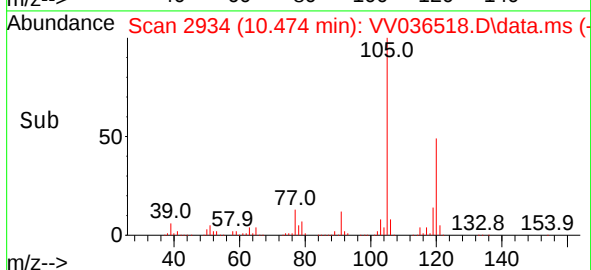
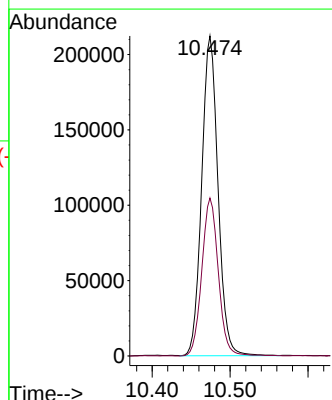
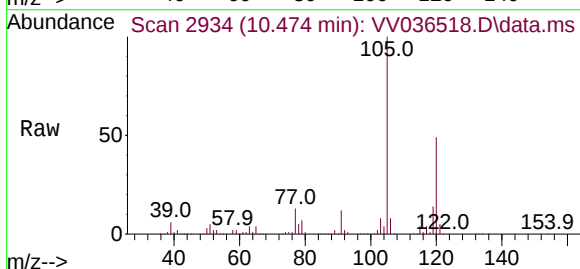
Acq: 15 Jul 2024 10:22

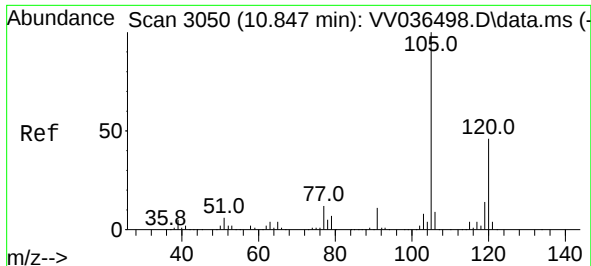
Tgt Ion:105 Resp: 308977

Ion Ratio Lower Upper

105 100

120 50.0 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 25.456 ug/L

RT: 10.850 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

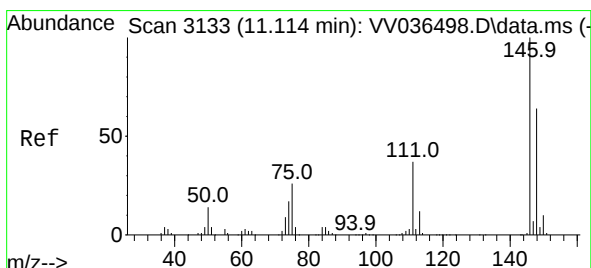
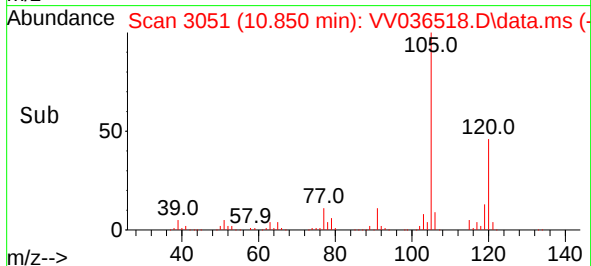
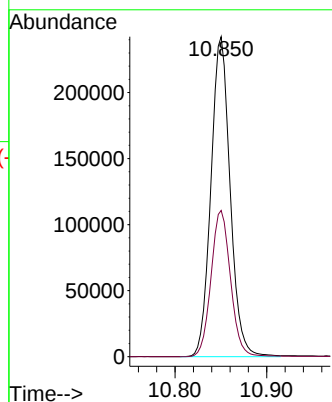
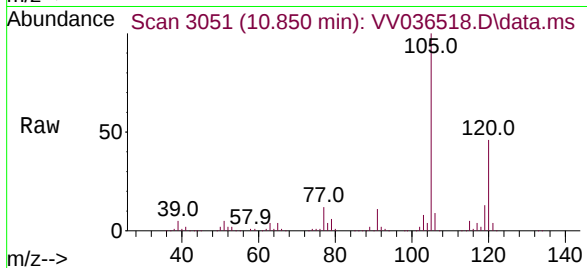
ClientSampleId :

Tgt Ion:105 Resp: 352614

Ion Ratio Lower Upper

105 100

120 46.4 37.0 55.4



#64

1,3-Dichlorobenzene

Concen: 25.469 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

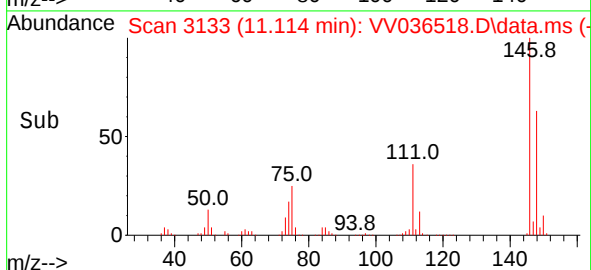
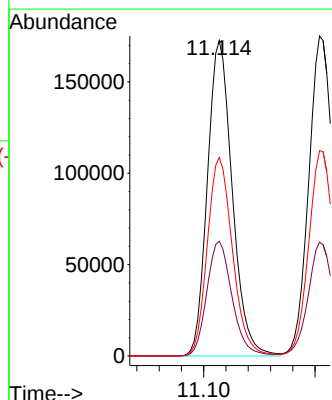
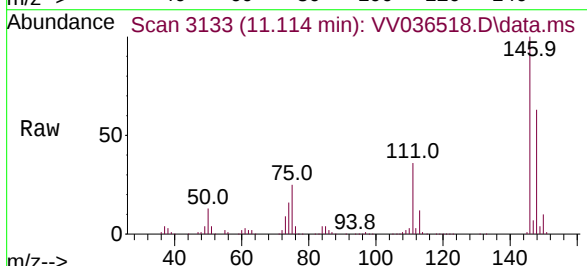
Tgt Ion:146 Resp: 267641

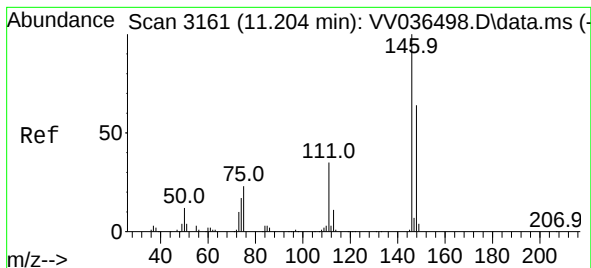
Ion Ratio Lower Upper

146 100

111 36.4 25.8 47.8

148 62.9 44.4 82.4





#65

1,4-Dichlorobenzene

Concen: 24.737 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

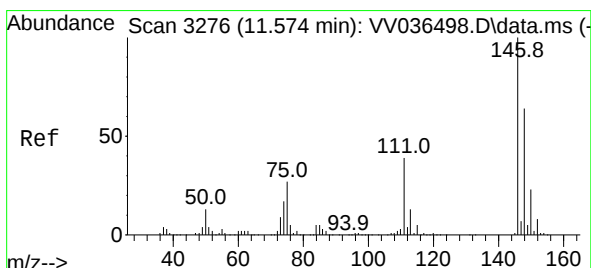
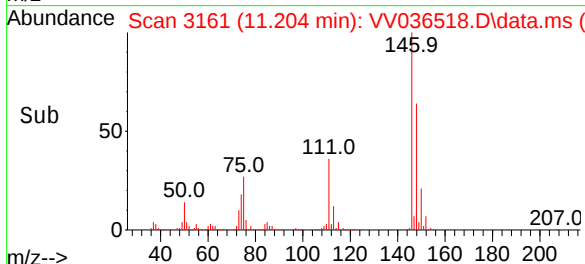
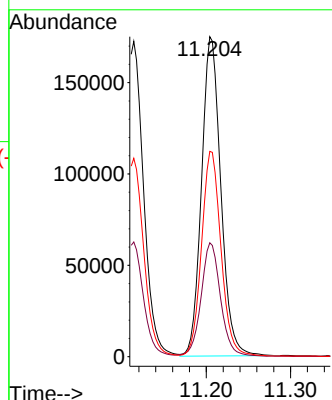
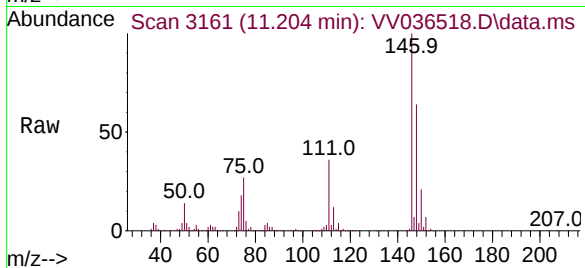
Tgt Ion:146 Resp: 279135

Ion Ratio Lower Upper

146 100

111 35.6 25.2 46.8

148 64.1 45.2 84.0



#67

1,2-Dichlorobenzene

Concen: 25.578 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

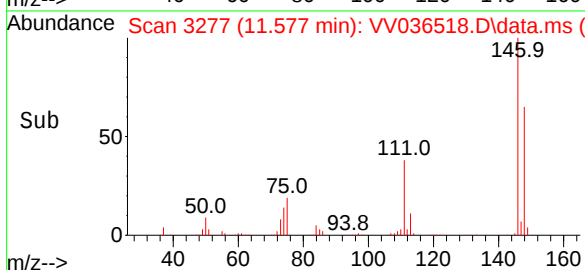
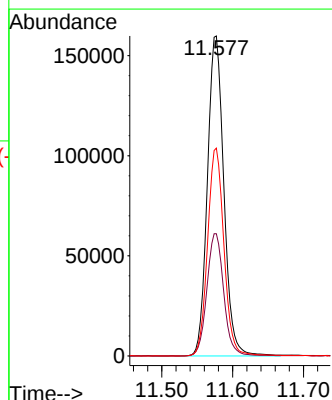
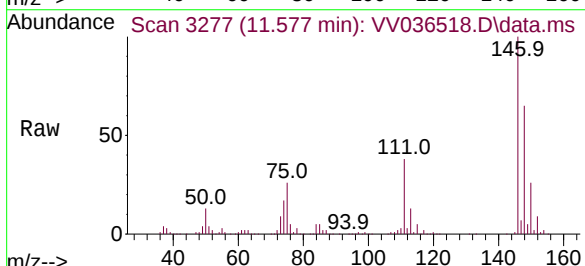
Tgt Ion:146 Resp: 258298

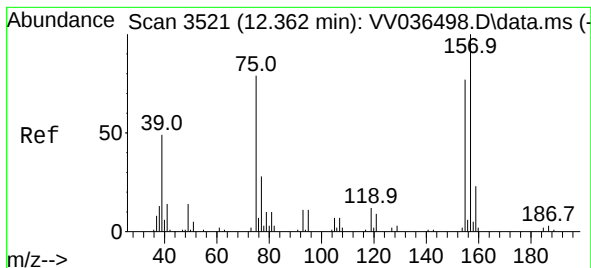
Ion Ratio Lower Upper

146 100

111 38.2 30.8 46.2

148 65.0 51.3 76.9





#68

1,2-Dibromo-3-chloropropane

Concen: 27.651 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

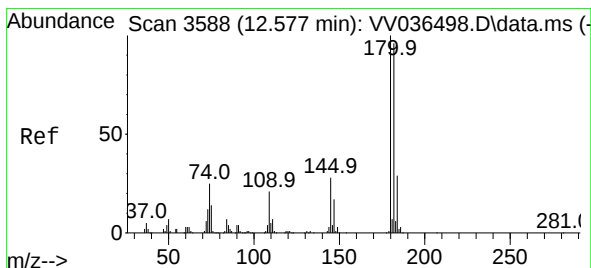
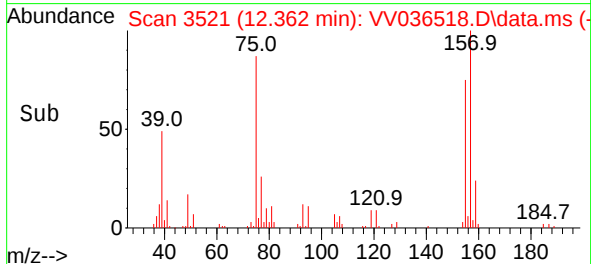
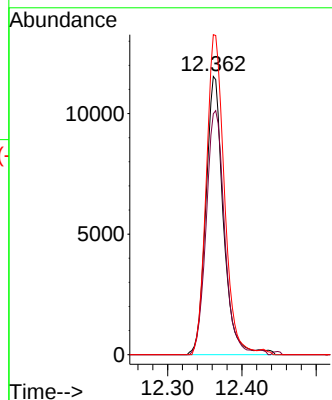
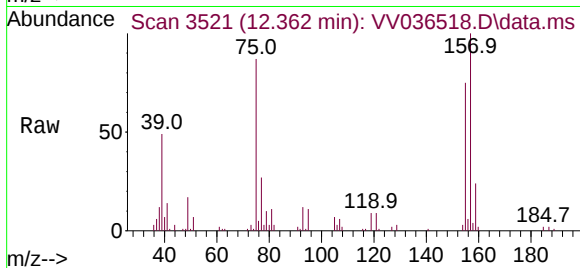
Tgt Ion: 75 Resp: 18940

Ion Ratio Lower Upper

75 100

155 86.6 74.6 111.8

157 115.0 95.0 142.4



#69

1,3,5-Trichlorobenzene

Concen: 24.509 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Tgt Ion:180 Resp: 199427

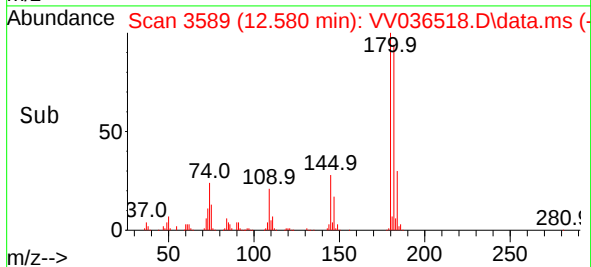
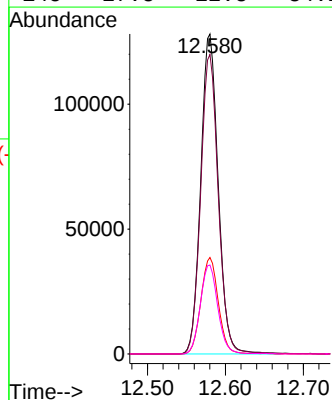
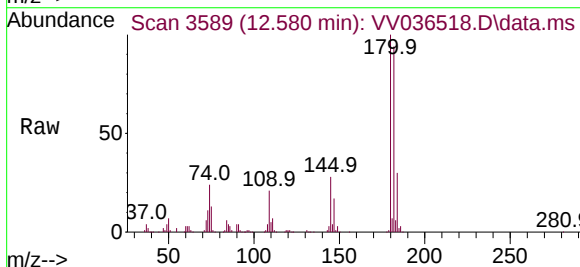
Ion Ratio Lower Upper

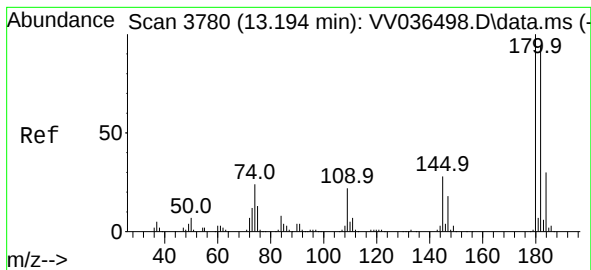
180 100

182 93.9 77.4 116.0

184 30.1 24.4 36.6

145 27.8 22.8 34.2





#70

1,2,4-trichlorobenzene

Concen: 24.732 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

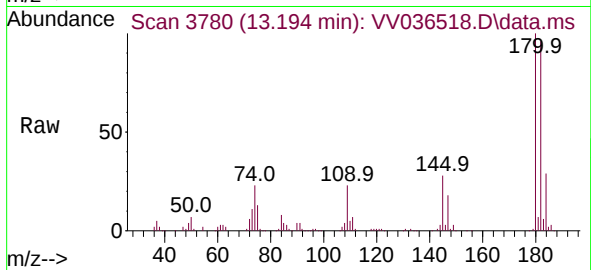
Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :



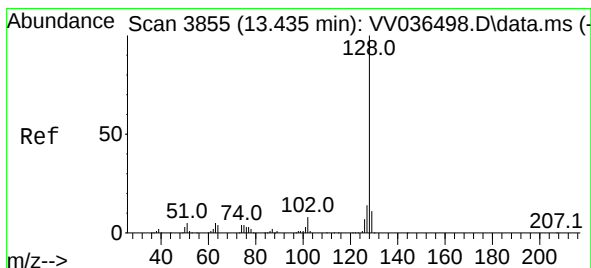
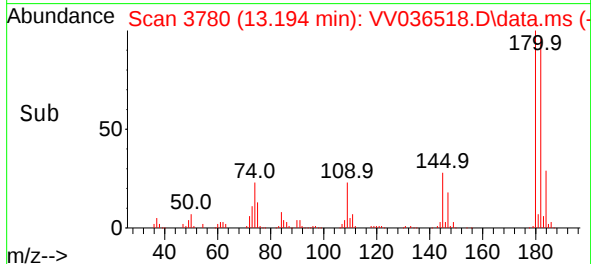
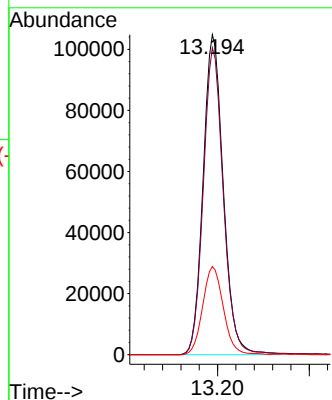
Tgt Ion:180 Resp: 160056

Ion Ratio Lower Upper

180 100

182 95.4 76.7 115.1

145 28.2 23.0 34.6



#71

Naphthalene

Concen: 25.318 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

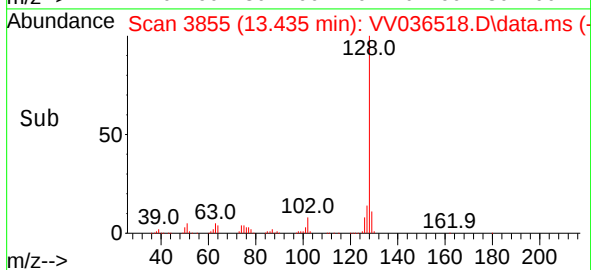
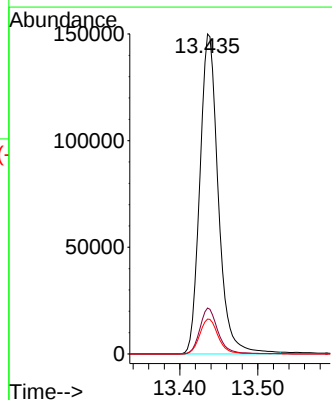
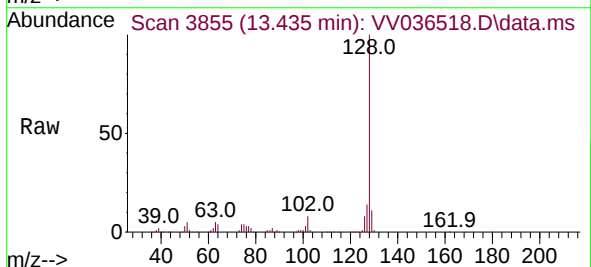
Tgt Ion:128 Resp: 246072

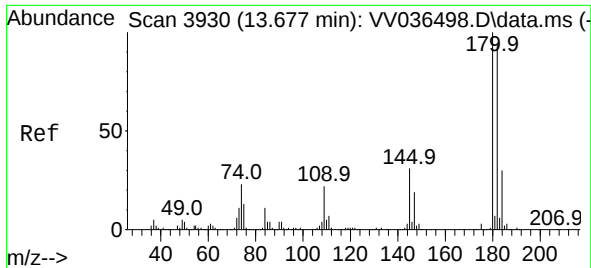
Ion Ratio Lower Upper

128 100

127 14.2 10.8 16.2

129 11.0 8.6 13.0





#72

1,2,3-Trichlorobenzene

Concen: 27.148 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. -0.000 min

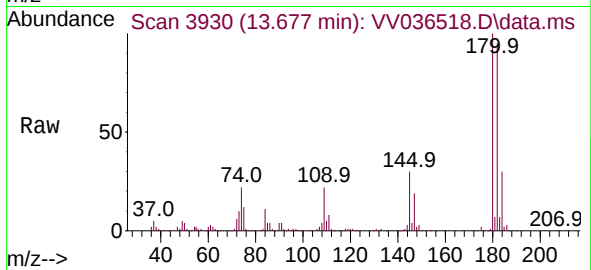
Lab File: VV036518.D

Acq: 15 Jul 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 166216

Ion Ratio Lower Upper

180 100

182 94.5 76.6 114.8

145 30.3 24.4 36.6

