

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042624\
 Data File : VW035421.D
 Acq On : 26 Apr 2024 11:38
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 00:24:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 27 00:18:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	545842	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	539373	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	287667	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	211673	48.254	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.500%
7) Chloroethane-d5	1.532	69	160596	63.897	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	127.800%
11) 1,1-Dichloroethene-d2	2.056	65	86536	48.266	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.540%
21) 2-Butanone-d5	3.789	46	250809	111.558	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.560%
24) Chloroform-d	4.246	84	358880	48.619	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.240%
26) 1,2-Dichloroethane-d4	4.937	65	215016	50.011	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.020%
32) Benzene-d6	4.957	84	720412	50.825	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.660%
36) 1,2-Dichloropropane-d6	5.985	67	221361	50.617	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.240%
41) Toluene-d8	7.239	98	661328	51.765	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.520%
43) trans-1,3-Dichloroprop...	7.548	79	106195	51.908	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.820%
47) 2-Hexanone-d5	8.021	63	154522	122.565	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.560%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	322407	51.725	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.440%
66) 1,2-Dichlorobenzene-d4	11.558	152	258649	51.391	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.780%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	184896	46.074	ug/L	98
3) Chloromethane	1.214	50	188670	46.331	ug/L	100
5) Vinyl chloride	1.281	62	201174	46.830	ug/L	100
6) Bromomethane	1.487	94	122044	48.508	ug/L	100
8) Chloroethane	1.548	64	126556	66.735	ug/L	100
9) Trichlorofluoromethane	1.712	101	269831	46.505	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	171781	47.256	ug/L	99
12) 1,1-Dichloroethene	2.069	96	150814	46.764	ug/L	96
13) Acetone	2.121	43	242490	90.767	ug/L	98
14) Carbon disulfide	2.240	76	419258	46.802	ug/L	99
15) Methyl Acetate	2.375	43	209437	51.693	ug/L	97
16) Methylene chloride	2.445	84	192395	47.170	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	166204	47.937	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	605054	51.813	ug/L	100
19) 1,1-Dichloroethane	3.108	63	339154	47.255	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	198881	50.988	ug/L	99
22) 2-Butanone	3.867	43	297452	100.643	ug/L	98
23) Bromochloromethane	4.143	128	106480	49.056	ug/L	96
25) Chloroform	4.272	83	351338	47.358	ug/L	99

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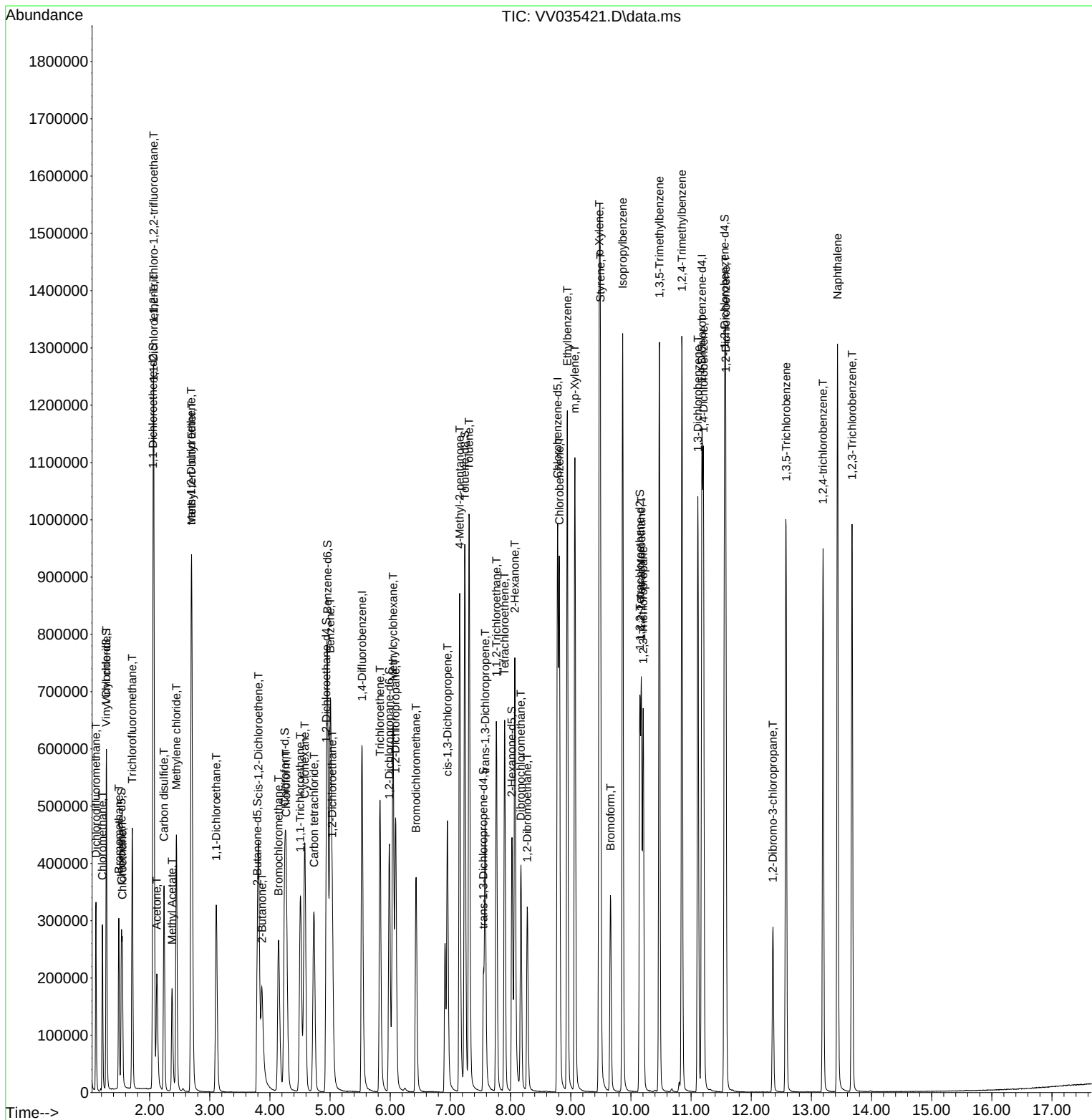
Instrument :
 MSVOA_V
 ClientSampleId :

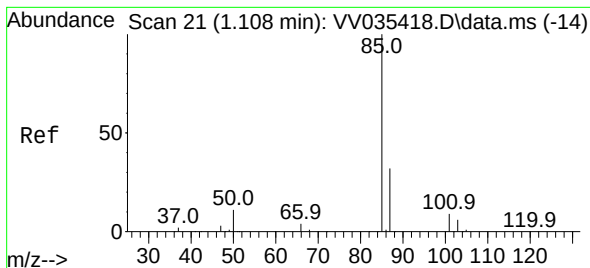
Quant Time: Apr 27 00:24:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 27 00:18:54 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	262197	48.127	ug/L	100
29) Cyclohexane	4.580	56	249402	50.280	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	291911	47.572	ug/L	99
31) Carbon tetrachloride	4.731	117	250634	46.751	ug/L	99
33) Benzene	5.005	78	719194	49.830	ug/L	100
34) Trichloroethene	5.828	95	191566	48.939	ug/L	98
35) Methylcyclohexane	6.047	83	282676	49.911	ug/L	99
37) 1,2-Dichloropropane	6.088	63	199848	49.598	ug/L	99
38) Bromodichloromethane	6.429	83	265731	48.839	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	317033	53.160	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	545944	113.459	ug/L	99
42) Toluene	7.310	91	765100	50.587	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	293840	51.327	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	206918	49.176	ug/L	99
46) Tetrachloroethene	7.902	164	149464	48.673	ug/L	99
48) 2-Hexanone	8.072	43	466380	114.013	ug/L	99
49) Dibromochloromethane	8.172	129	206919	48.105	ug/L	97
50) 1,2-Dibromoethane	8.278	107	216956	50.682	ug/L	97
51) Chlorobenzene	8.812	112	517872	48.559	ug/L	99
52) Ethylbenzene	8.944	91	840438	50.854	ug/L	99
53) m,p-Xylene	9.069	106	315367	50.422	ug/L	99
54) o-Xylene	9.474	106	317130	51.853	ug/L	98
55) Styrene	9.493	104	557678	52.874	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	343560	50.229	ug/L	100
59) Bromoform	9.661	173	158980	46.551	ug/L	100
60) Isopropylbenzene	9.863	105	847789	51.370	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	270262	50.193	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	691111	51.981	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	700210	53.792	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	427714	50.028	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	436374	48.662	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	436508	50.393	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	73821	60.600	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	323194	53.354	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	295285	61.406	ug/L	98
71) Naphthalene	13.435	128	1027062	97.902	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	313677	66.944	ug/L	99

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

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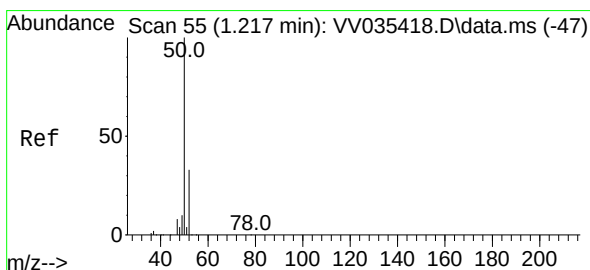
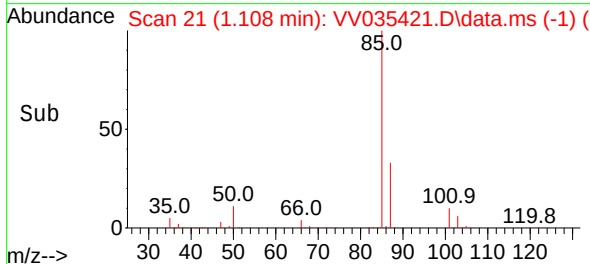
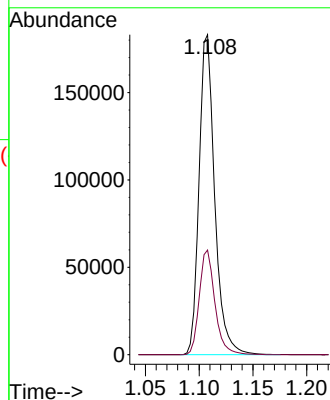
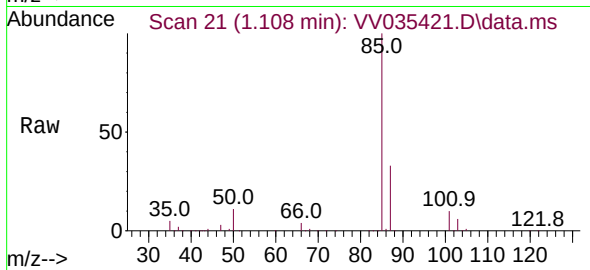




#2
Dichlorodifluoromethane
Concen: 46.074 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

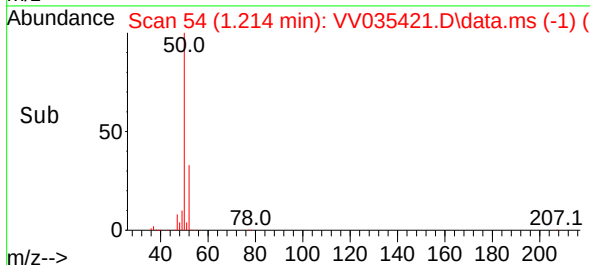
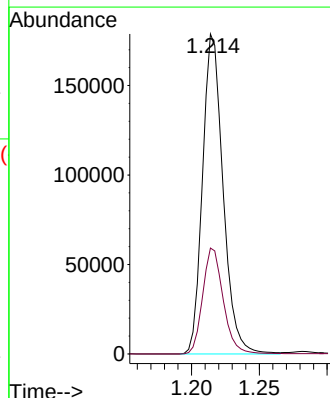
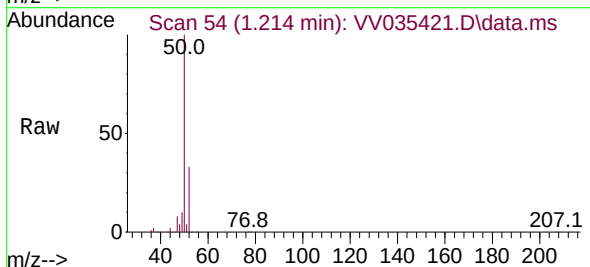
Instrument :
MSVOA_V
ClientSampleId :

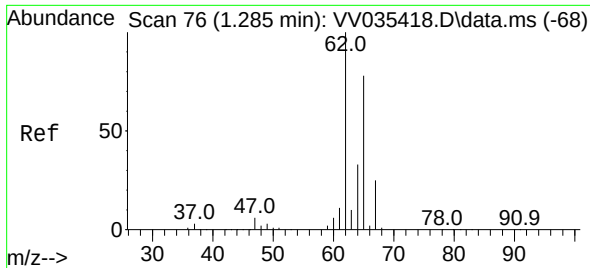
Tgt Ion: 85 Resp: 184896
Ion Ratio Lower Upper
85 100
87 32.7 25.4 38.2



#3
Chloromethane
Concen: 46.331 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

Tgt Ion: 50 Resp: 188670
Ion Ratio Lower Upper
50 100
52 33.1 23.0 42.8

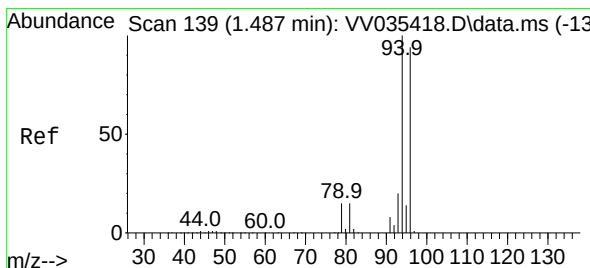
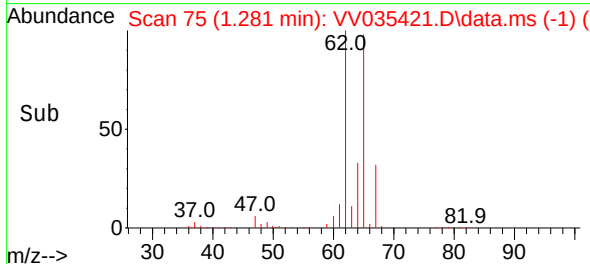
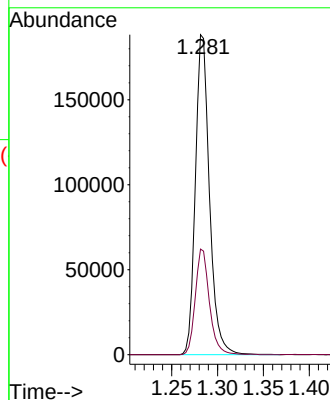
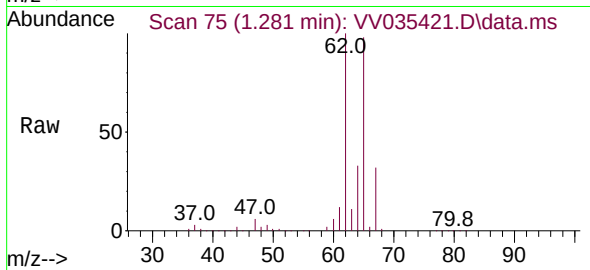




#5
 Vinyl chloride
 Concen: 46.830 ug/L
 RT: 1.281 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV035421.D
 Acq: 26 Apr 2024 11:38

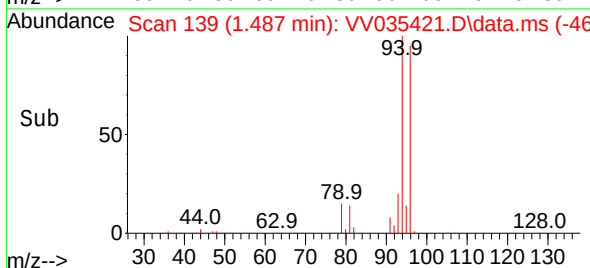
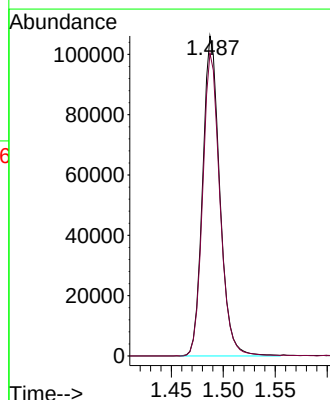
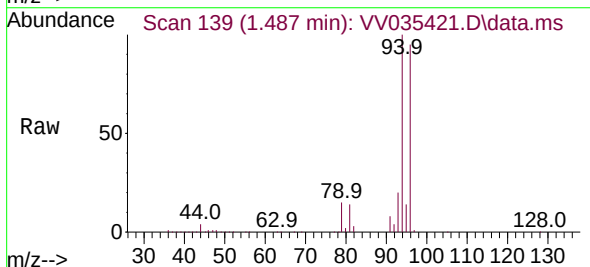
Instrument :
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 ClientSampleId :

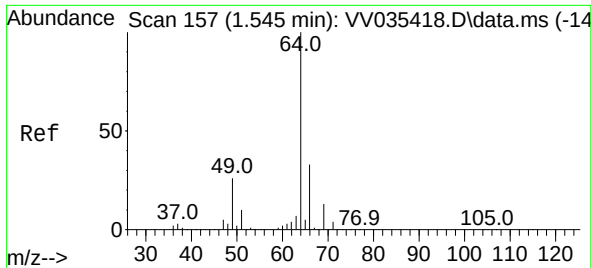
Tgt Ion: 62 Resp: 201174
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.2 43.2



#6
 Bromomethane
 Concen: 48.508 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV035421.D
 Acq: 26 Apr 2024 11:38

Tgt Ion: 94 Resp: 122044
 Ion Ratio Lower Upper
 94 100
 96 94.6 66.1 122.7

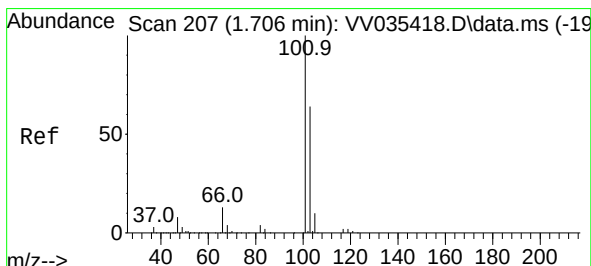
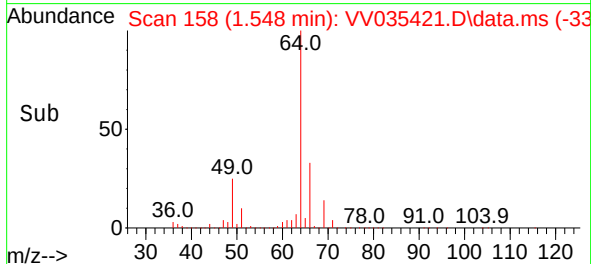
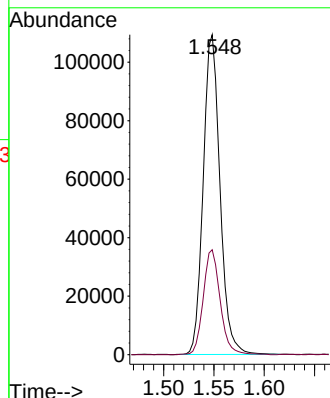
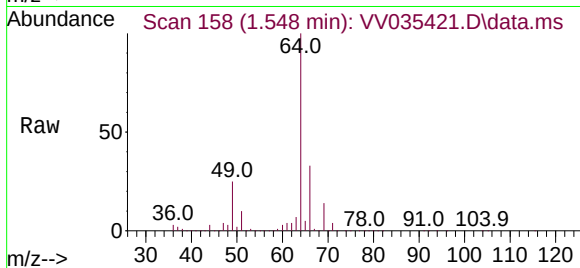




#8
Chloroethane
Concen: 66.735 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

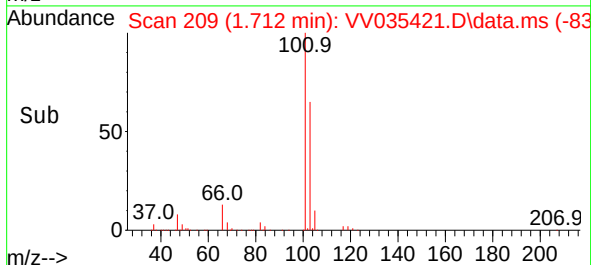
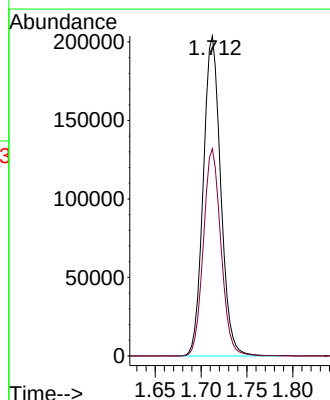
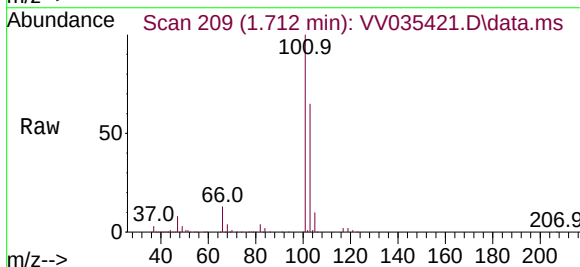
Instrument :
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ClientSampleId :

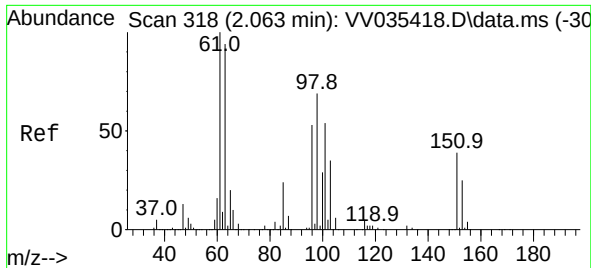
Tgt Ion: 64 Resp: 126556
Ion Ratio Lower Upper
64 100
66 32.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 46.505 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.006 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

Tgt Ion:101 Resp: 269831
Ion Ratio Lower Upper
101 100
103 65.1 51.2 76.8

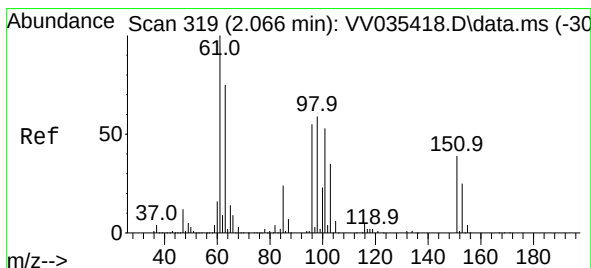
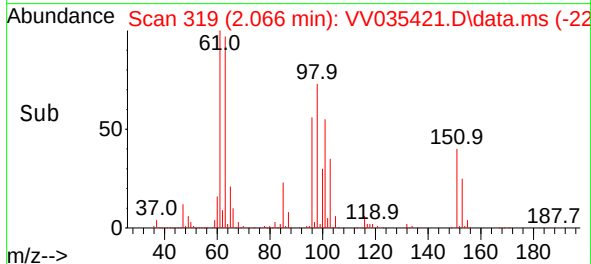
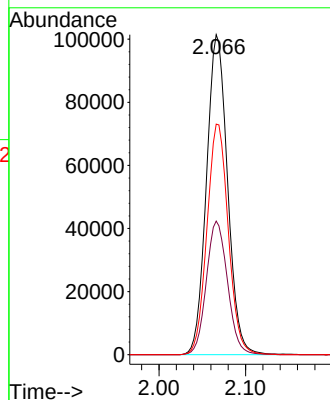
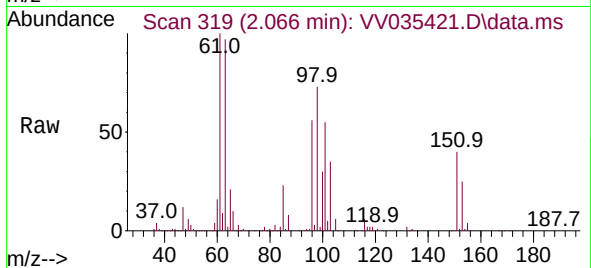




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.256 ug/L
 RT: 2.066 min Scan# 318
 Delta R.T. 0.003 min
 Lab File: VV035421.D
 Acq: 26 Apr 2024 11:38

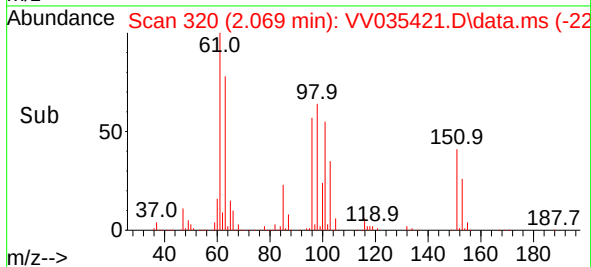
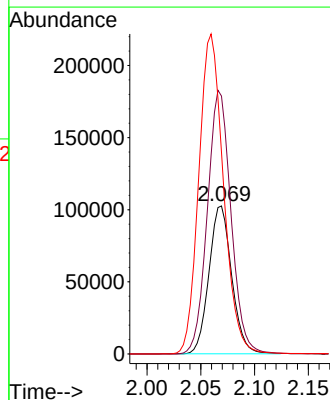
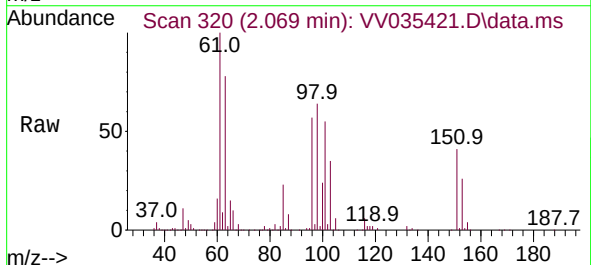
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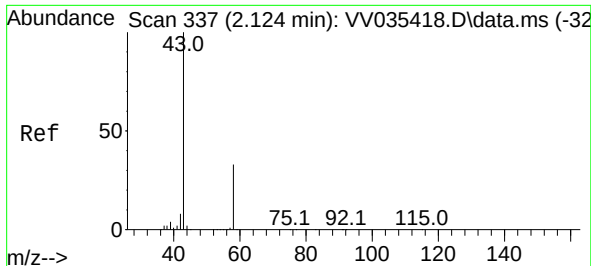
Tgt Ion:101 Resp: 171781
 Ion Ratio Lower Upper
 101 100
 85 41.9 35.0 52.6
 151 72.8 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 46.764 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.003 min
 Lab File: VV035421.D
 Acq: 26 Apr 2024 11:38

Tgt Ion: 96 Resp: 150814
 Ion Ratio Lower Upper
 96 100
 61 174.3 128.2 238.0
 63 136.5 96.9 179.9





#13

Acetone

Concen: 90.767 ug/L

RT: 2.121 min Scan# 337

Delta R.T. -0.003 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

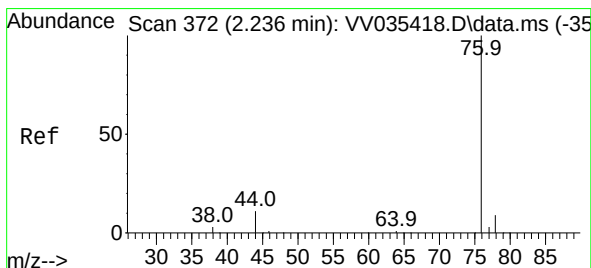
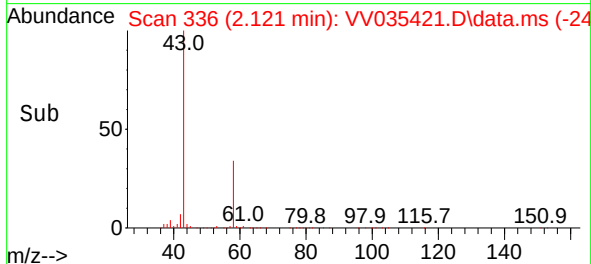
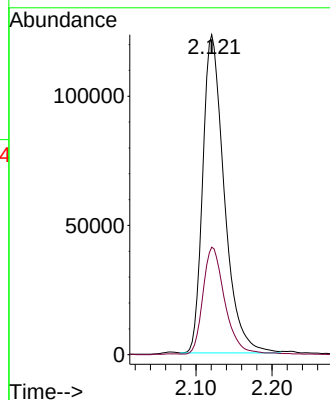
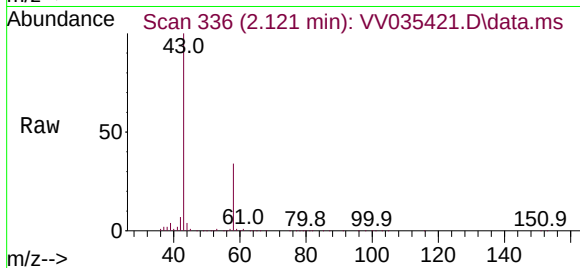
ClientSampleId :

Tgt Ion: 43 Resp: 242490

Ion Ratio Lower Upper

43 100

58 33.8 0.0 65.8



#14

Carbon disulfide

Concen: 46.802 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV035421.D

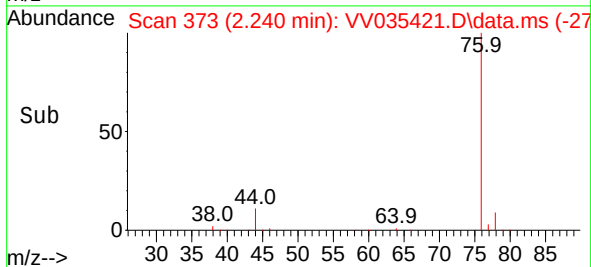
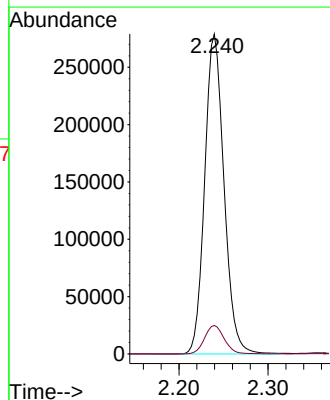
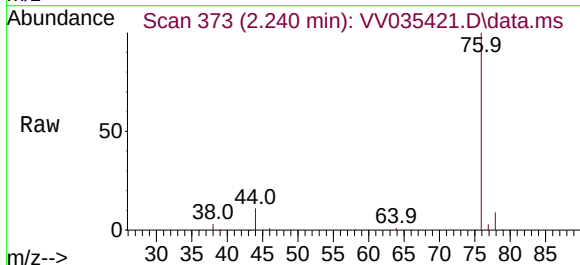
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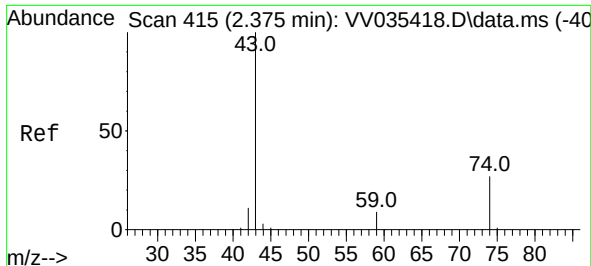
Tgt Ion: 76 Resp: 419258

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15

Methyl Acetate

Concen: 51.693 ug/L

RT: 2.375 min Scan# 415

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

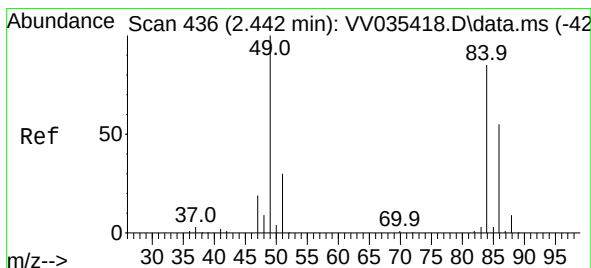
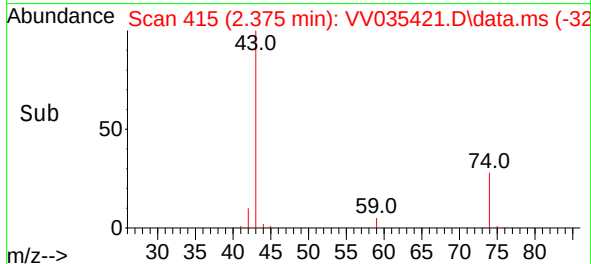
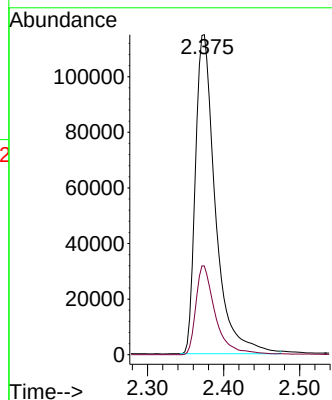
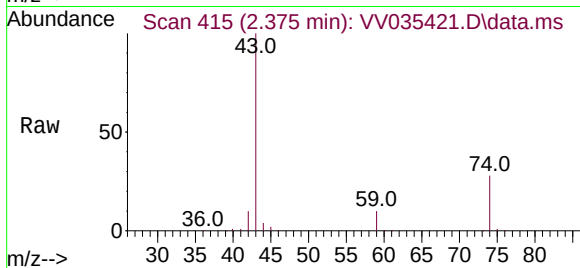
ClientSampleId :

Tgt Ion: 43 Resp: 209437

Ion Ratio Lower Upper

43 100

74 27.2 20.6 30.8



#16

Methylene chloride

Concen: 47.170 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

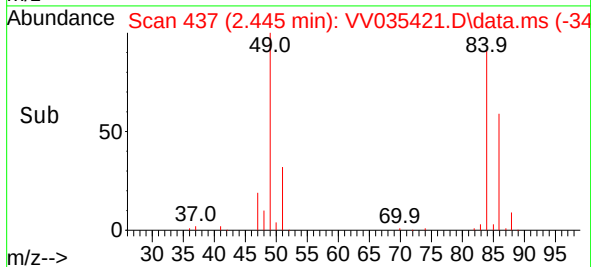
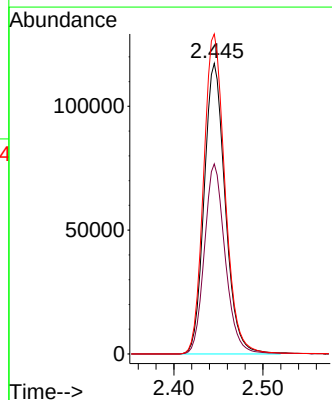
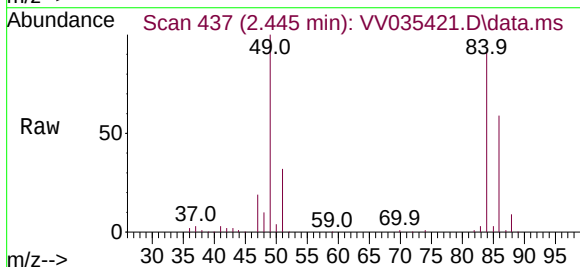
Tgt Ion: 84 Resp: 192395

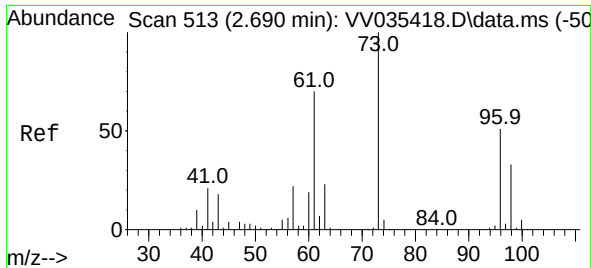
Ion Ratio Lower Upper

84 100

86 65.4 45.1 83.9

49 110.1 82.3 152.8

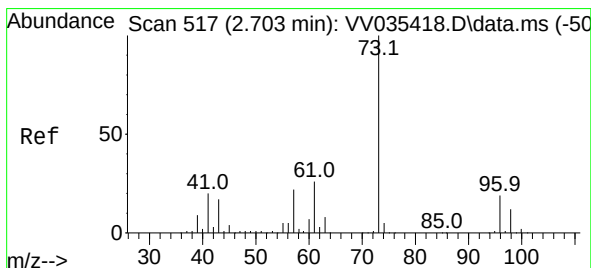
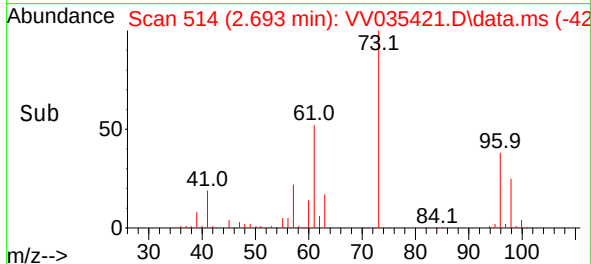
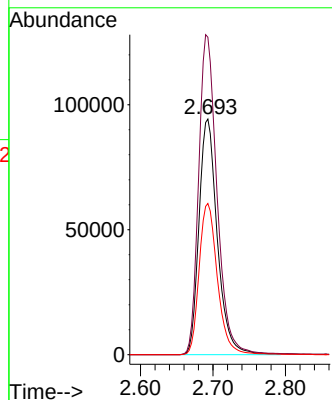
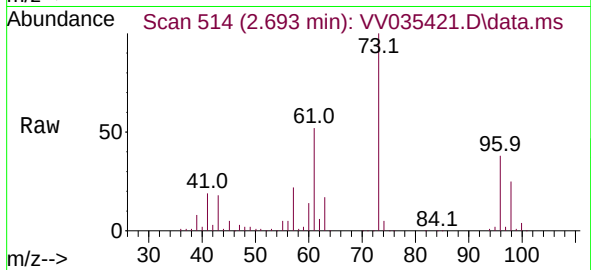




#17
trans-1,2-Dichloroethene
Concen: 47.937 ug/L
RT: 2.693 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

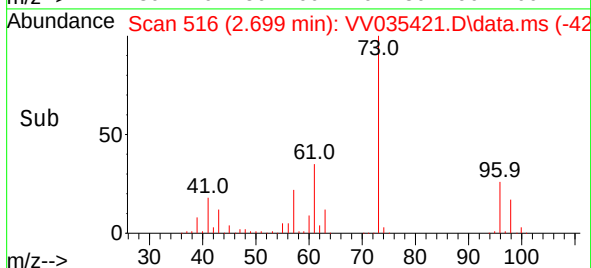
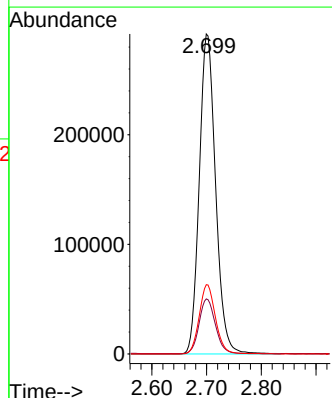
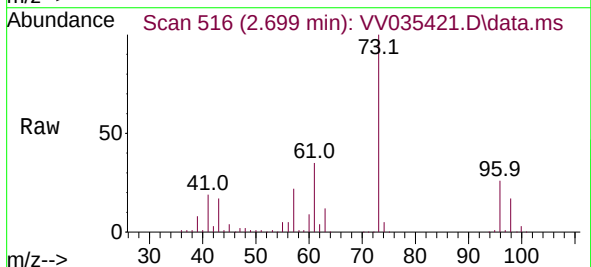
Instrument :
MSVOA_V
ClientSampleId :

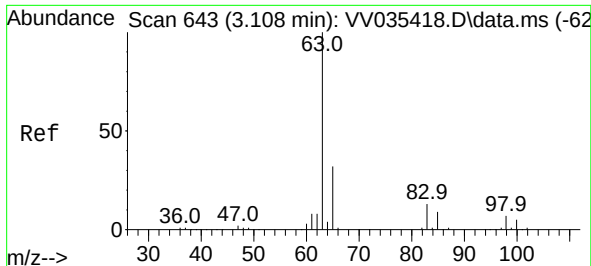
Tgt Ion: 96 Resp: 166204
Ion Ratio Lower Upper
96 100
61 134.7 96.4 179.0
98 64.1 45.2 84.0



#18
Methyl tert-butyl Ether
Concen: 51.813 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

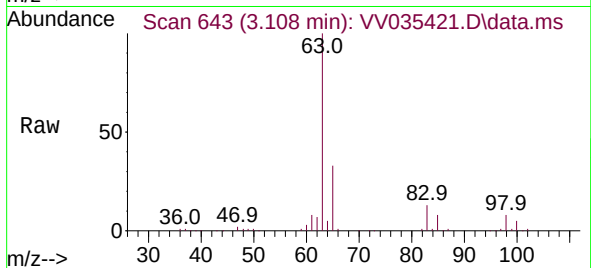
Tgt Ion: 73 Resp: 605054
Ion Ratio Lower Upper
73 100
43 17.1 13.9 20.9
57 21.5 17.4 26.0



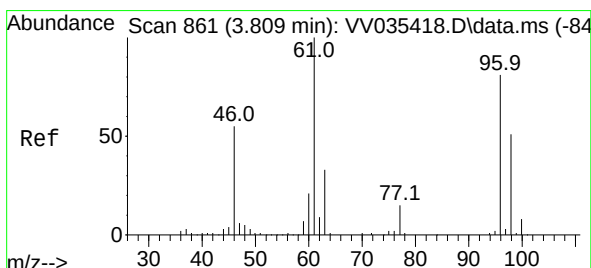
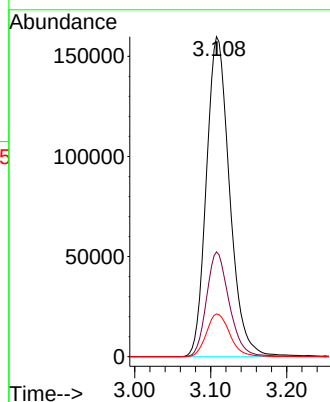
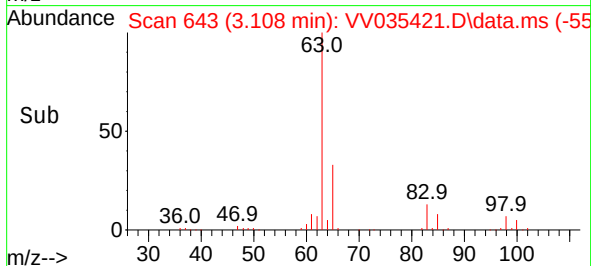


#19
1,1-Dichloroethane
Concen: 47.255 ug/L
RT: 3.108 min Scan# 643
Delta R.T. -0.000 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

Instrument :
MSVOA_V
ClientSampleId :

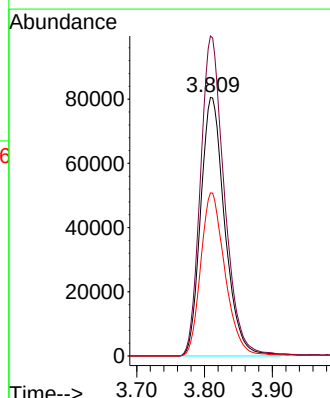
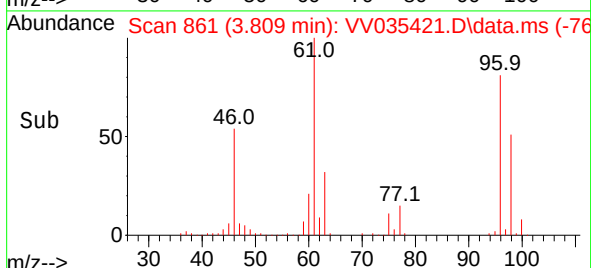
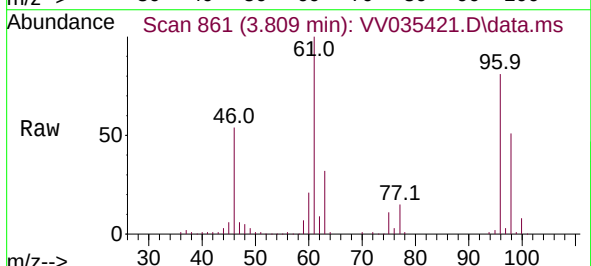


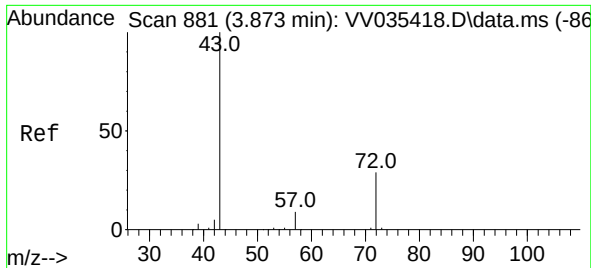
Tgt Ion: 63 Resp: 339154
Ion Ratio Lower Upper
63 100
65 32.8 22.1 41.1
83 13.3 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 50.988 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.000 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

Tgt Ion: 96 Resp: 198881
Ion Ratio Lower Upper
96 100
61 123.7 86.9 161.5
98 63.1 44.6 82.8

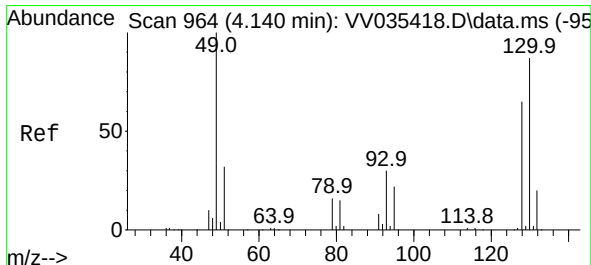
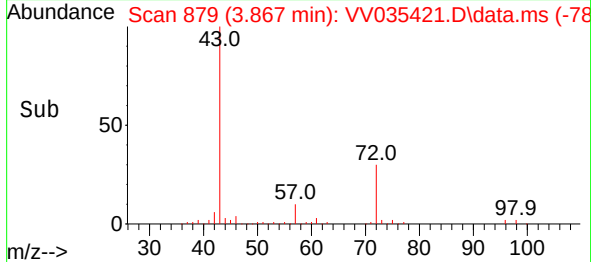
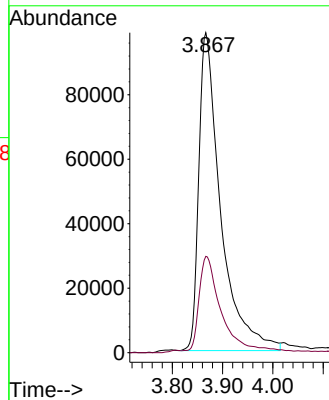
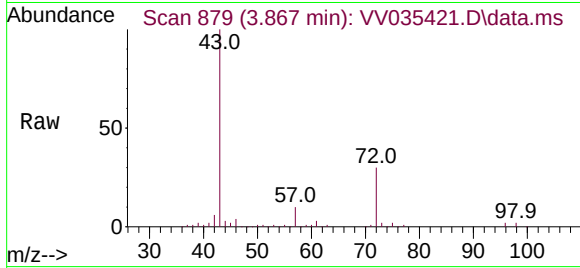




#22
2-Butanone
Concen: 100.643 ug/L
RT: 3.867 min Scan# 81
Delta R.T. -0.006 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

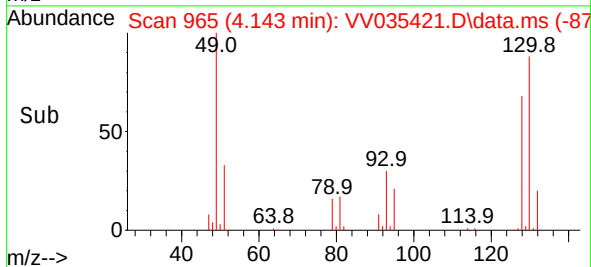
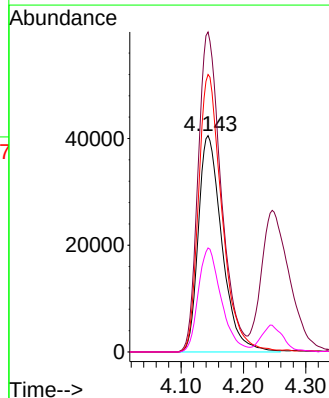
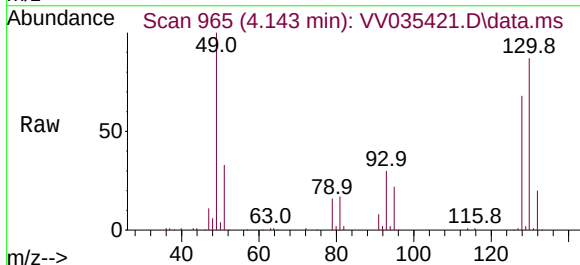
Instrument :
MSVOA_V
ClientSampleId :

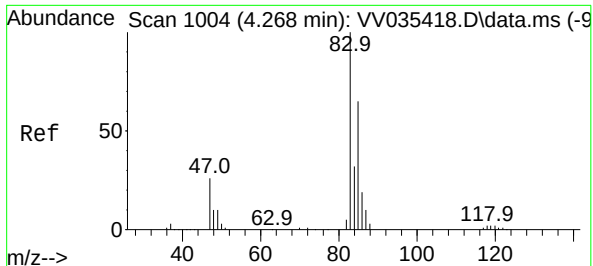
Tgt Ion: 43 Resp: 297452
Ion Ratio Lower Upper
43 100
72 28.7 13.8 41.4



#23
Bromochloromethane
Concen: 49.056 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

Tgt Ion:128 Resp: 106480
Ion Ratio Lower Upper
128 100
49 147.9 107.7 200.1
130 128.3 93.4 173.4
51 48.1 39.0 58.6





#25

Chloroform

Concen: 47.358 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

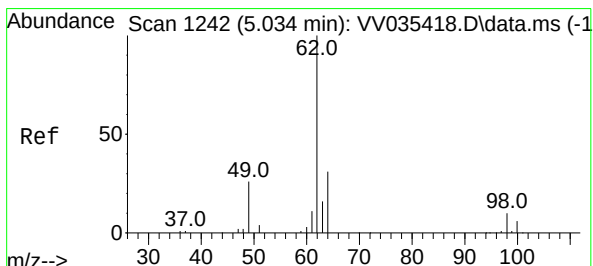
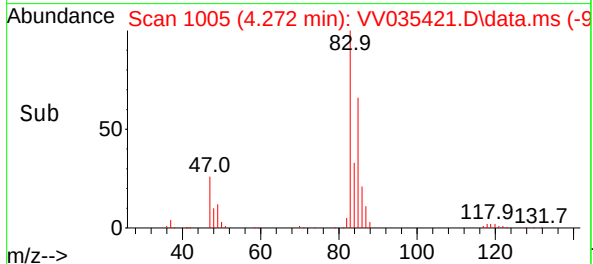
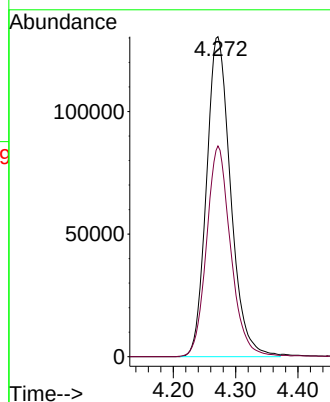
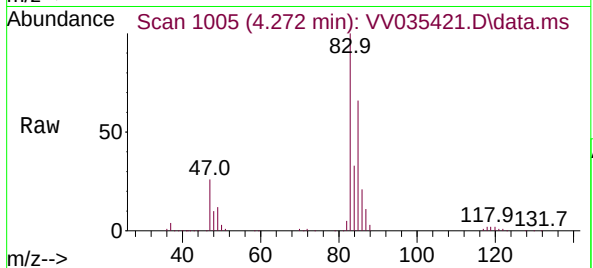
ClientSampleId :

Tgt Ion: 83 Resp: 351338

Ion Ratio Lower Upper

83 100

85 65.9 45.6 84.6



#27

1,2-Dichloroethane

Concen: 48.127 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV035421.D

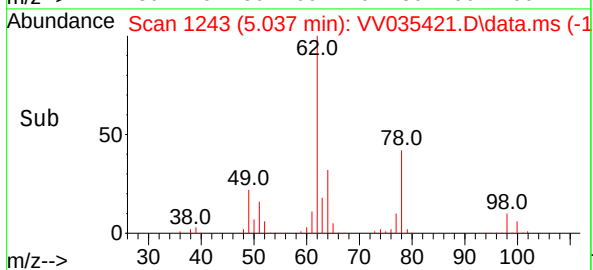
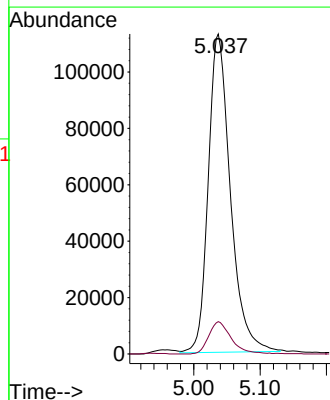
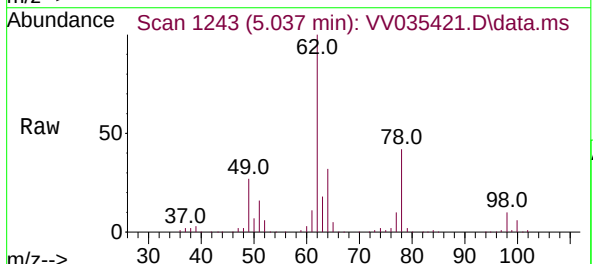
Acq: 26 Apr 2024 11:38

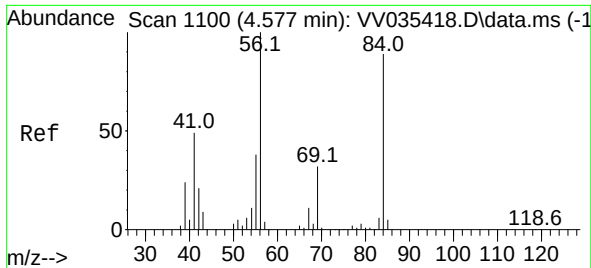
Tgt Ion: 62 Resp: 262197

Ion Ratio Lower Upper

62 100

98 10.1 8.0 12.0





#29

Cyclohexane

Concen: 50.280 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

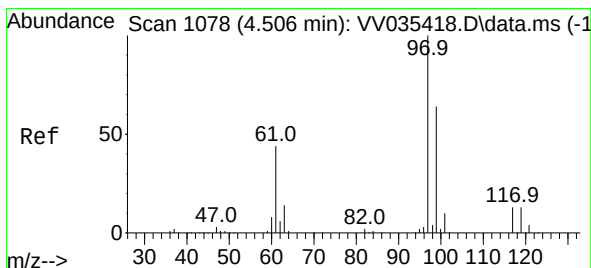
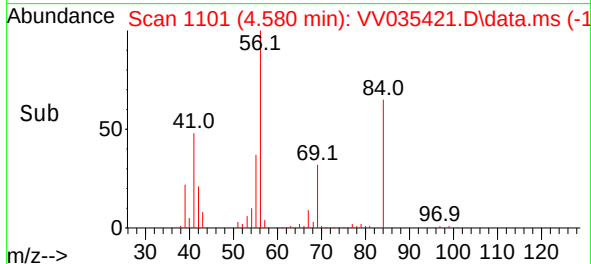
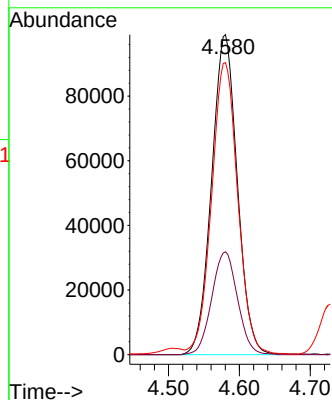
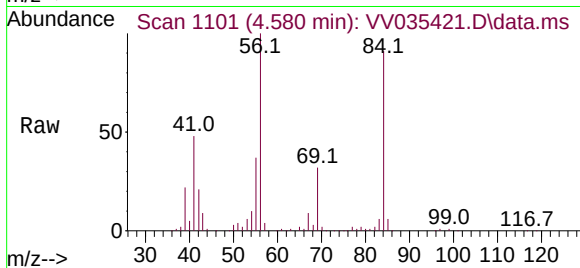
Tgt Ion: 56 Resp: 249402

Ion Ratio Lower Upper

56 100

69 32.3 25.4 38.2

84 92.5 73.5 110.3



#30

1,1,1-Trichloroethane

Concen: 47.572 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

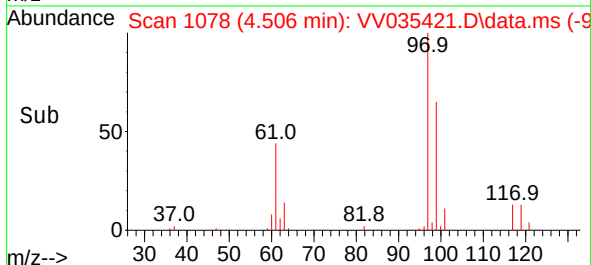
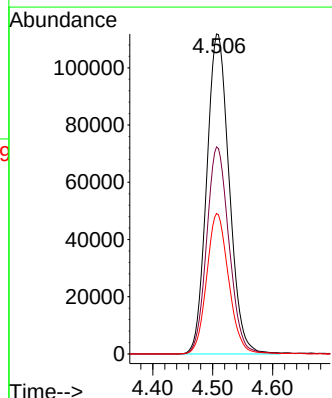
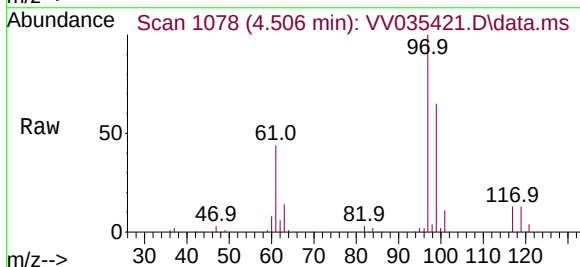
Tgt Ion: 97 Resp: 291911

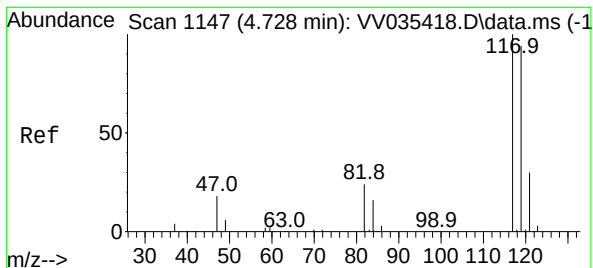
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 43.0 35.4 53.2





#31

Carbon tetrachloride

Concen: 46.751 ug/L

RT: 4.731 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

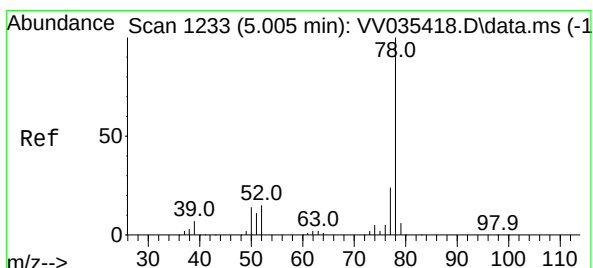
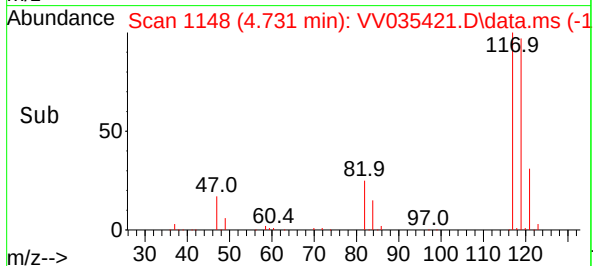
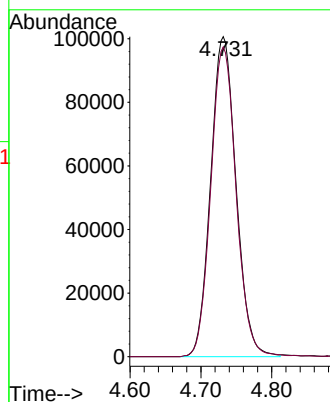
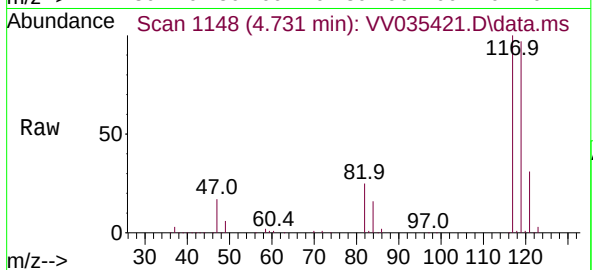
ClientSampleId :

Tgt Ion:117 Resp: 250634

Ion Ratio Lower Upper

117 100

119 96.5 76.4 114.6



#33

Benzene

Concen: 49.830 ug/L

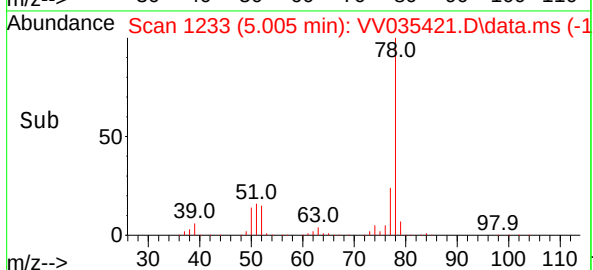
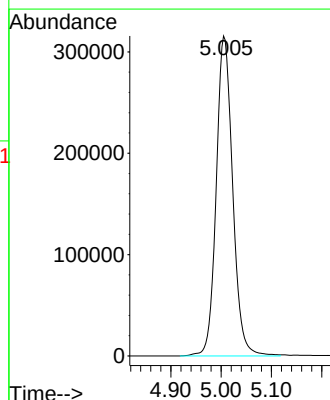
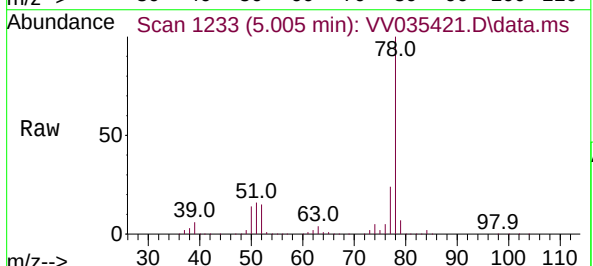
RT: 5.005 min Scan# 1233

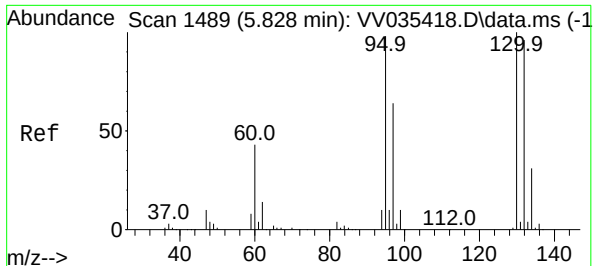
Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Tgt Ion: 78 Resp: 719194





#34

Trichloroethene

Concen: 48.939 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 191566

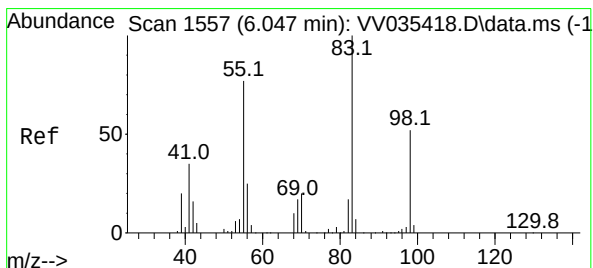
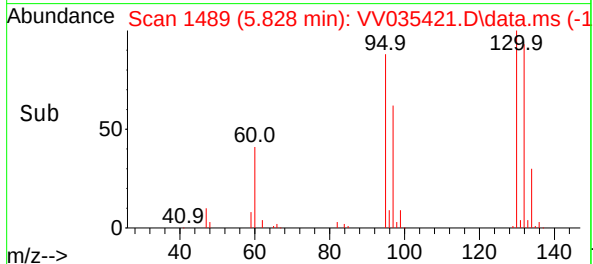
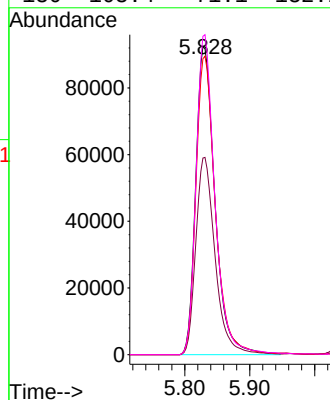
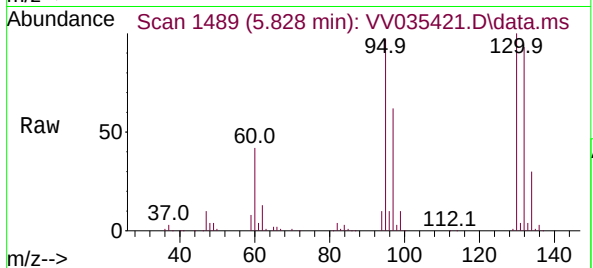
Ion Ratio Lower Upper

95 100

97 63.8 45.8 85.0

132 96.1 68.0 126.2

130 103.4 71.1 132.1



#35

Methylcyclohexane

Concen: 49.911 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

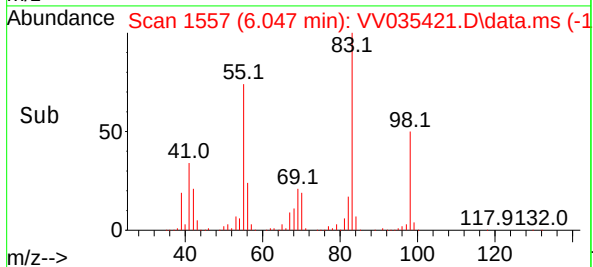
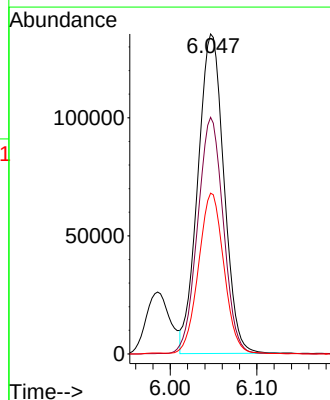
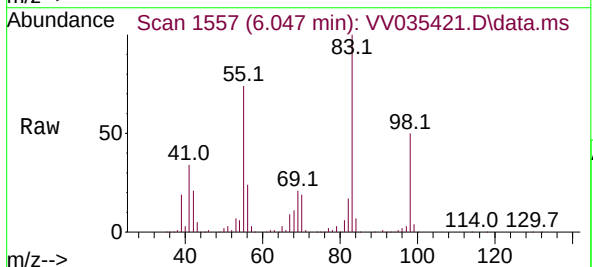
Tgt Ion: 83 Resp: 282676

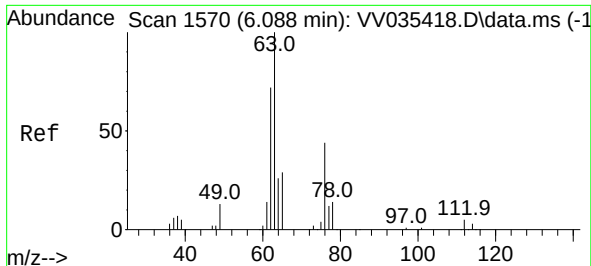
Ion Ratio Lower Upper

83 100

55 73.3 59.7 89.5

98 49.3 39.0 58.6





#37

1,2-Dichloropropane

Concen: 49.598 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

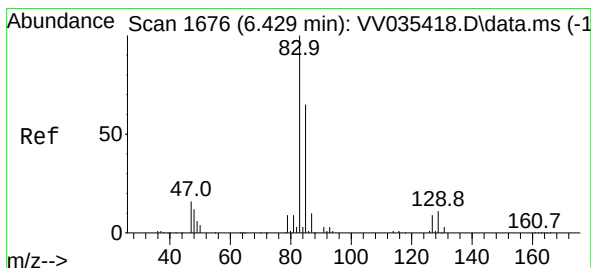
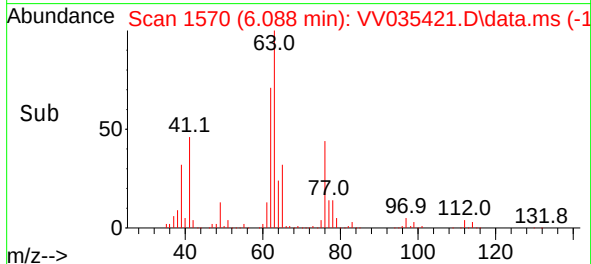
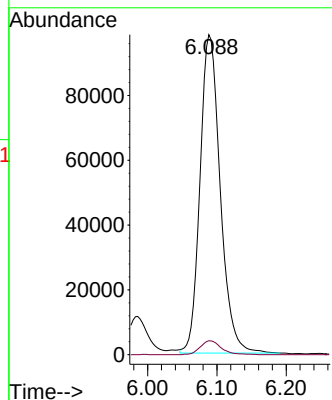
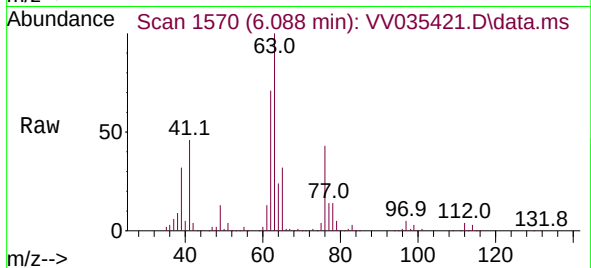
ClientSampleId :

Tgt Ion: 63 Resp: 199848

Ion Ratio Lower Upper

63 100

112 4.6 3.5 5.3



#38

Bromodichloromethane

Concen: 48.839 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

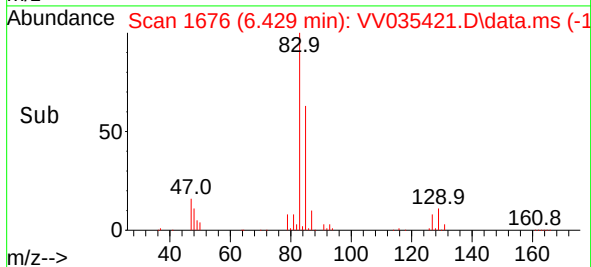
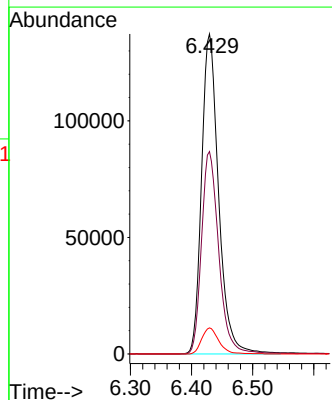
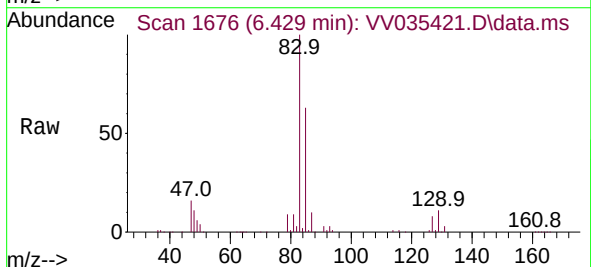
Tgt Ion: 83 Resp: 265731

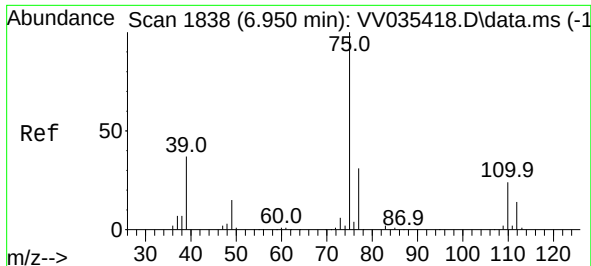
Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.9

127 8.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 53.160 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

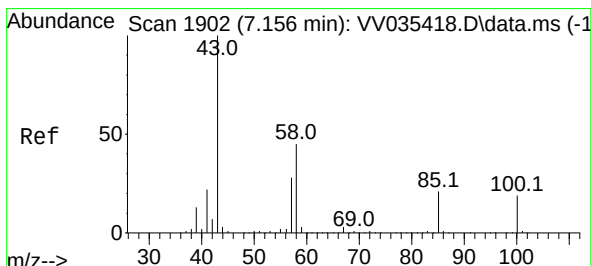
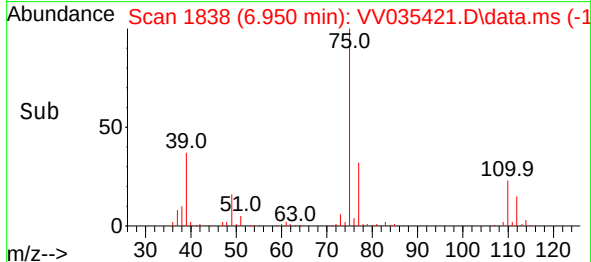
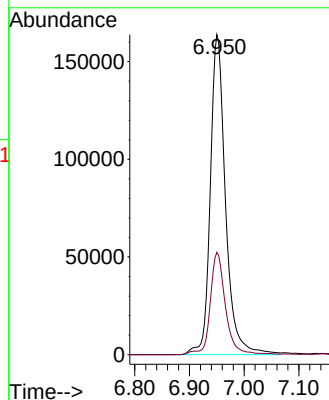
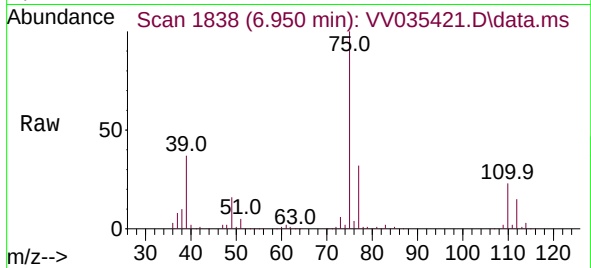
ClientSampleId :

Tgt Ion: 75 Resp: 317033

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 113.459 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.003 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

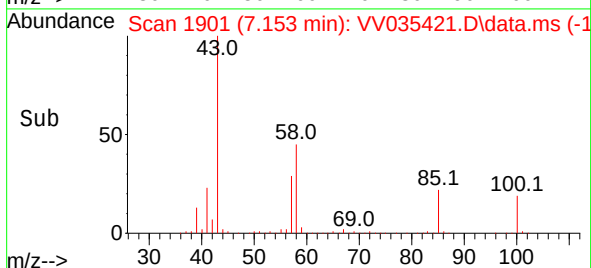
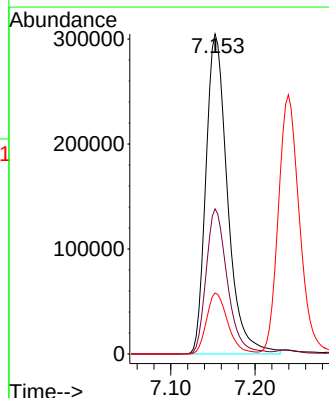
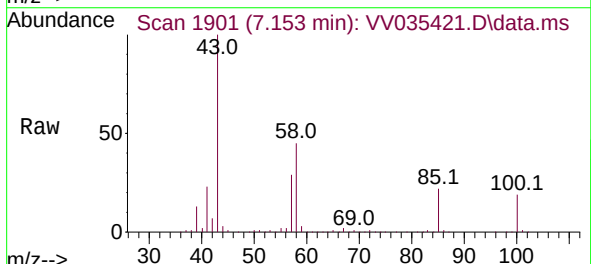
Tgt Ion: 43 Resp: 545944

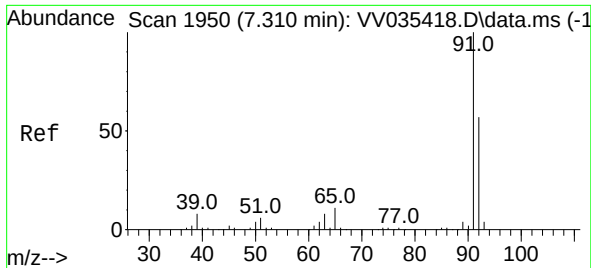
Ion Ratio Lower Upper

43 100

58 44.6 35.0 52.4

100 18.6 14.3 21.5





#42

Toluene

Concen: 50.587 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

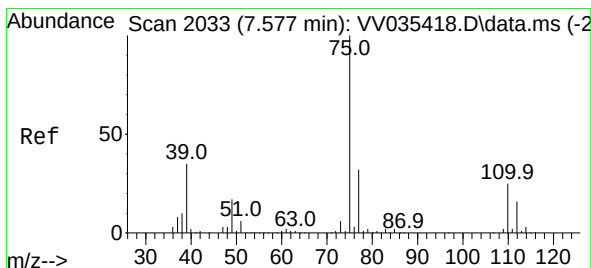
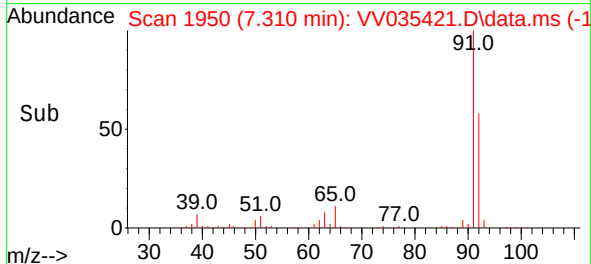
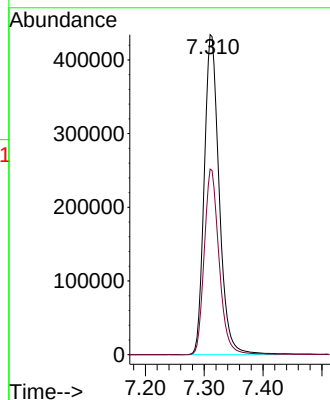
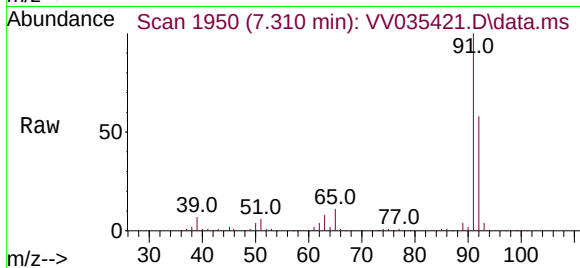
ClientSampleId :

Tgt Ion: 91 Resp: 765100

Ion Ratio Lower Upper

91 100

92 58.0 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 51.327 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV035421.D

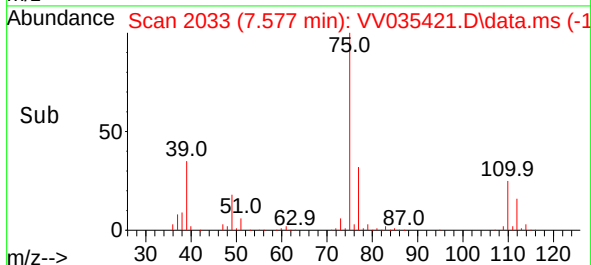
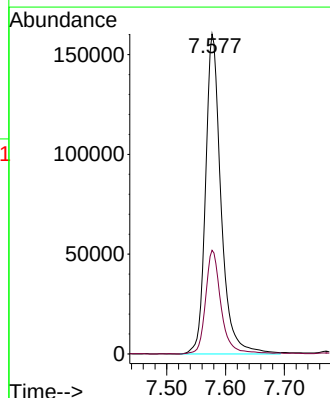
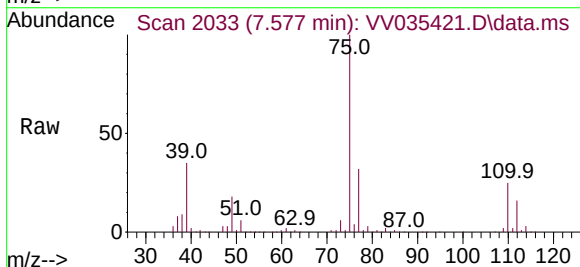
Acq: 26 Apr 2024 11:38

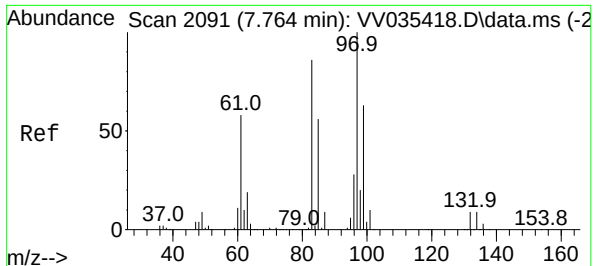
Tgt Ion: 75 Resp: 293840

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1



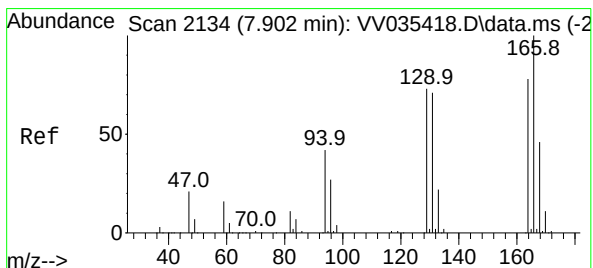
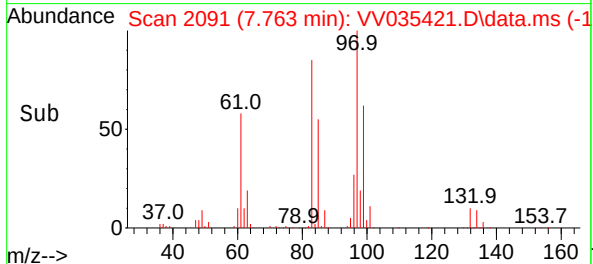
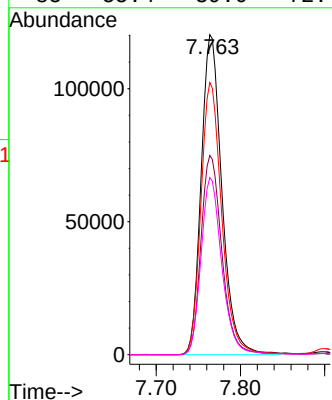
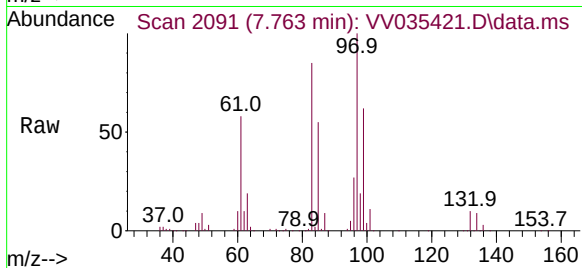


#45
1,1,2-Trichloroethane
Concen: 49.176 ug/L
RT: 7.763 min Scan# 2091
Delta R.T. -0.000 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 206918

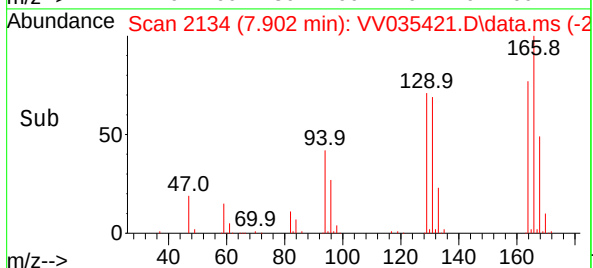
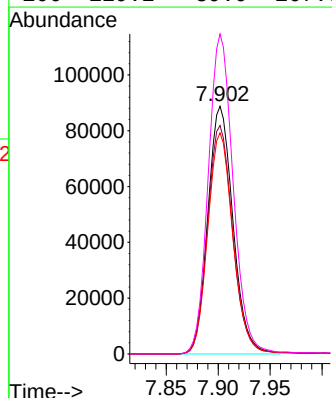
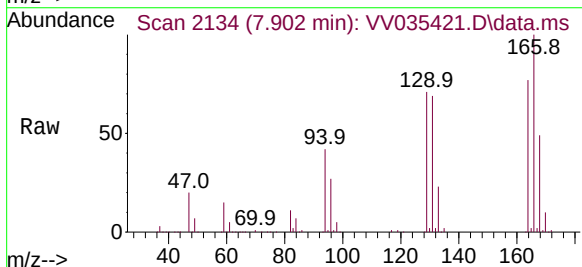
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.3	82.3
83	85.1	60.5	112.3
85	55.4	39.0	72.4

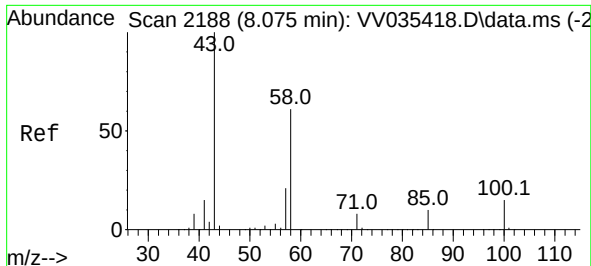


#46
Tetrachloroethene
Concen: 48.673 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

Tgt Ion: 164 Resp: 149464

Ion	Ratio	Lower	Upper
164	100		
129	92.3	65.7	122.1
131	89.3	63.6	118.0
166	129.2	89.9	167.0





#48

2-Hexanone

Concen: 114.013 ug/L

RT: 8.072 min Scan# 2188

Delta R.T. -0.003 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 466380

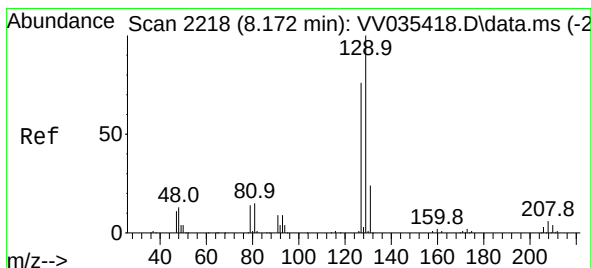
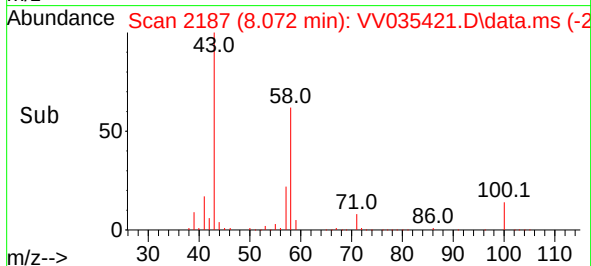
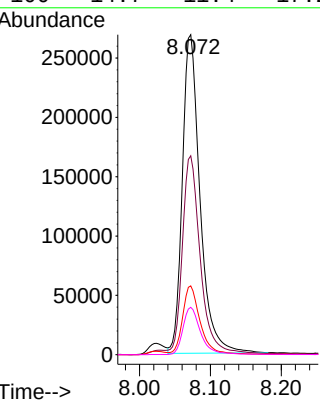
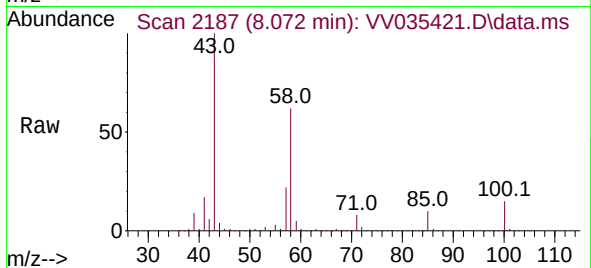
Ion Ratio Lower Upper

43 100

58 62.6 49.4 74.0

57 21.8 17.1 25.7

100 14.7 11.4 17.2



#49

Dibromochloromethane

Concen: 48.105 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV035421.D

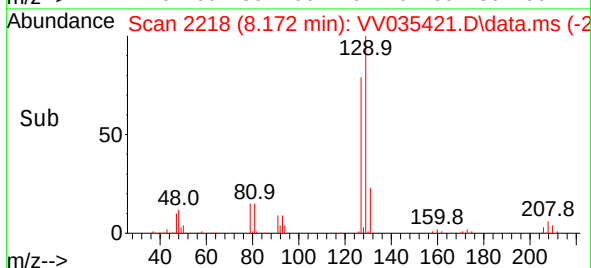
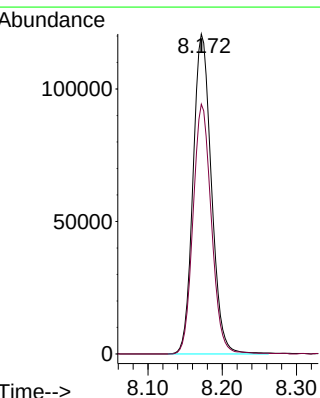
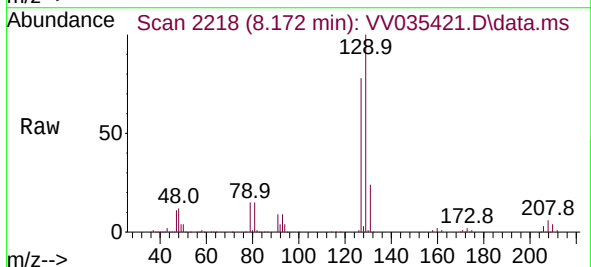
Acq: 26 Apr 2024 11:38

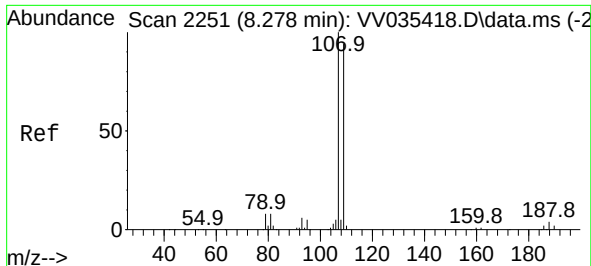
Tgt Ion:129 Resp: 206919

Ion Ratio Lower Upper

129 100

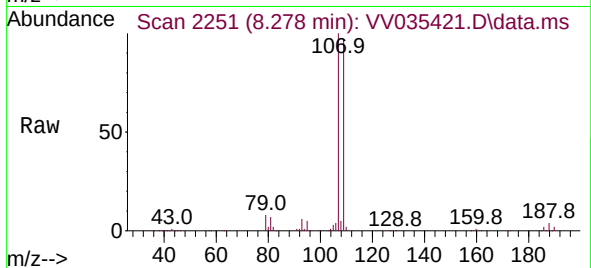
127 78.1 53.1 98.5



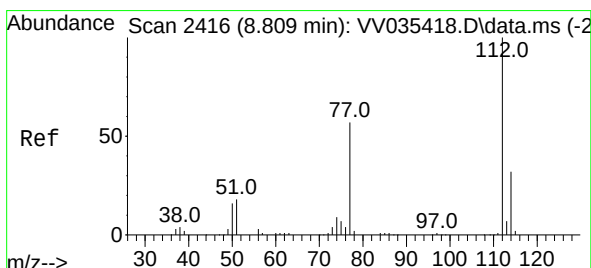
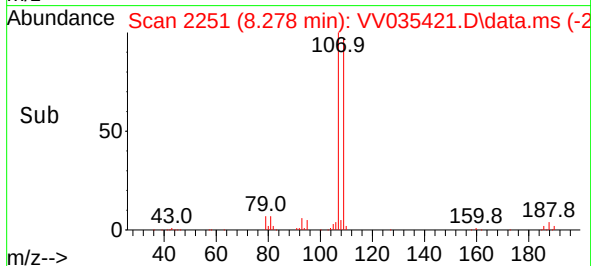
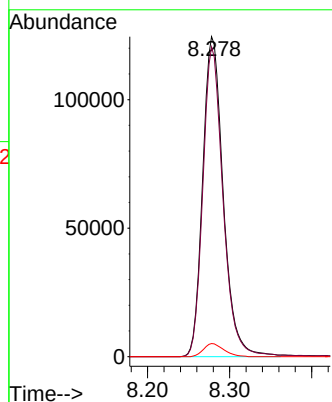


#50
1,2-Dibromoethane
Concen: 50.682 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

Instrument :
MSVOA_V
ClientSampleId :

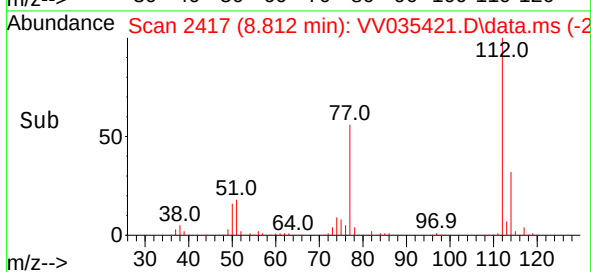
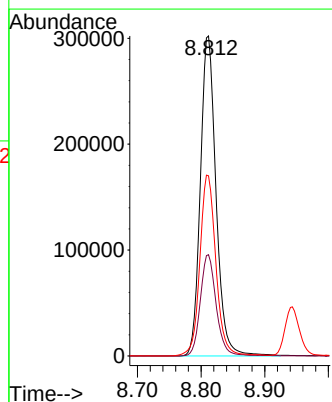
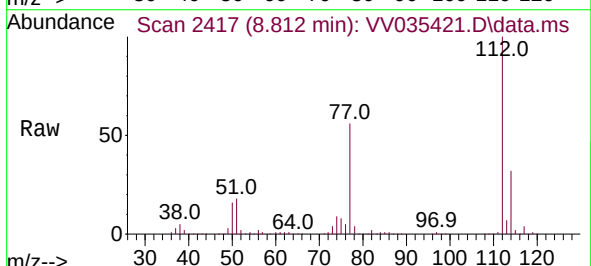


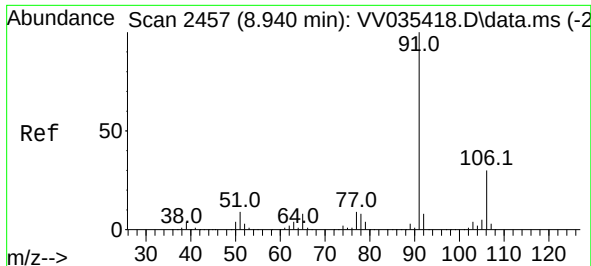
Tgt Ion:107 Resp: 216956
Ion Ratio Lower Upper
107 100
109 96.8 65.7 122.1
188 4.1 3.1 4.7



#51
Chlorobenzene
Concen: 48.559 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

Tgt Ion:112 Resp: 517872
Ion Ratio Lower Upper
112 100
114 31.7 22.4 41.6
77 56.3 45.6 68.4





#52

Ethylbenzene

Concen: 50.854 ug/L

RT: 8.944 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

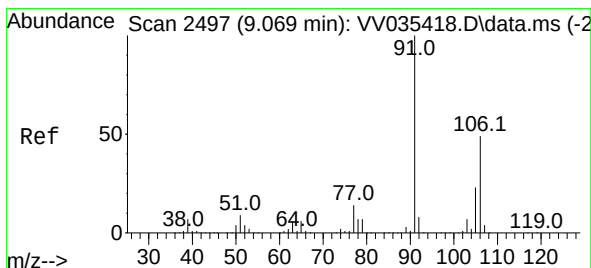
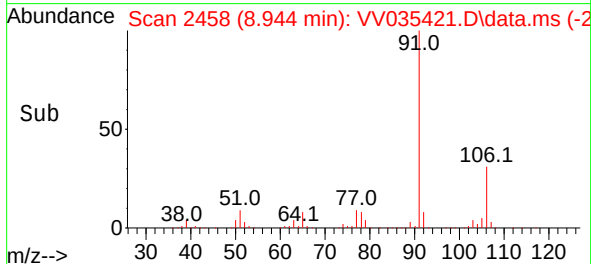
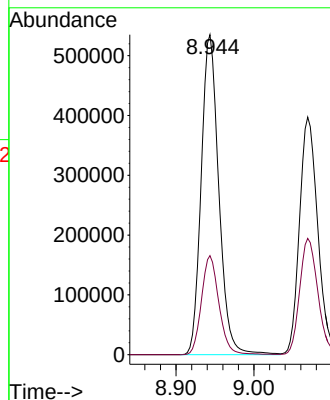
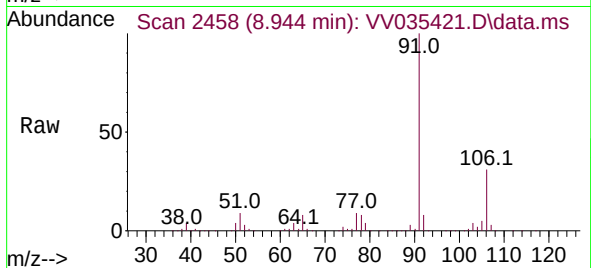
ClientSampleId :

Tgt Ion: 91 Resp: 840438

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5



#53

m,p-Xylene

Concen: 50.422 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV035421.D

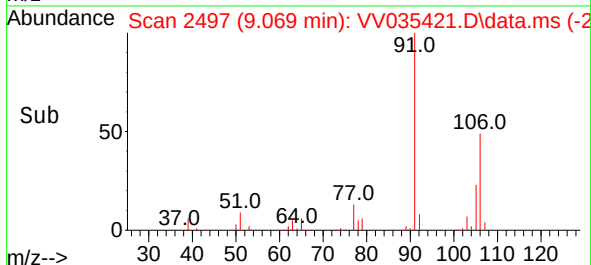
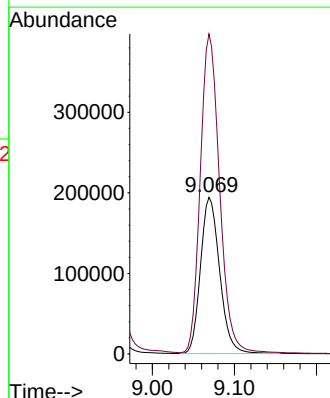
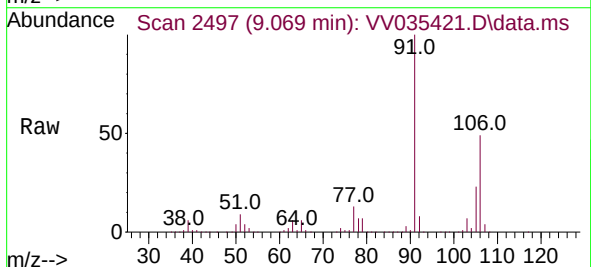
Acq: 26 Apr 2024 11:38

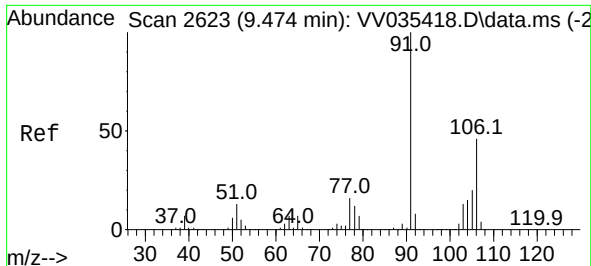
Tgt Ion: 106 Resp: 315367

Ion Ratio Lower Upper

106 100

91 204.2 142.2 264.0





#54

o-Xylene

Concen: 51.853 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

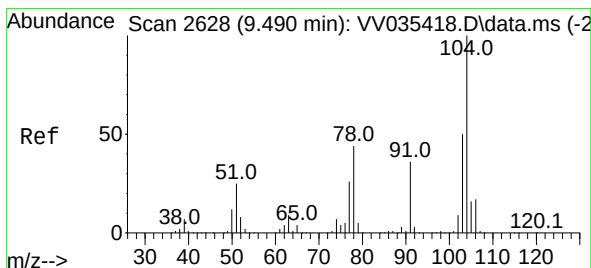
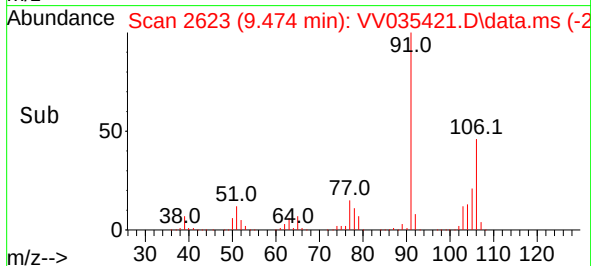
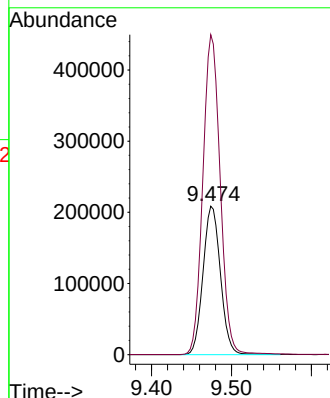
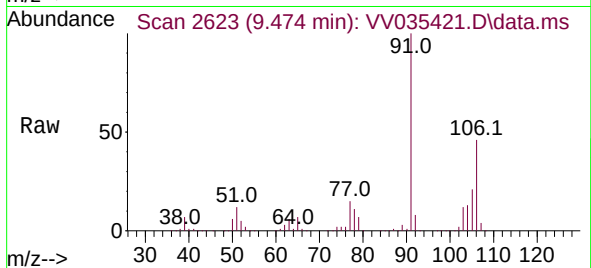
ClientSampleId :

Tgt Ion:106 Resp: 317130

Ion Ratio Lower Upper

106 100

91 215.6 152.7 283.5



#55

Styrene

Concen: 52.874 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.003 min

Lab File: VV035421.D

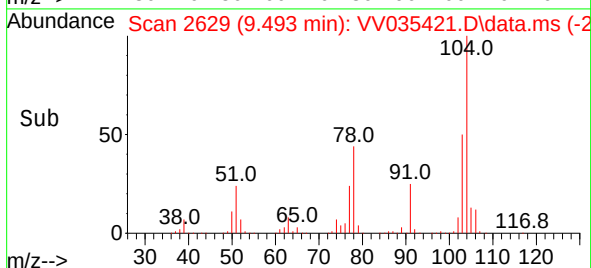
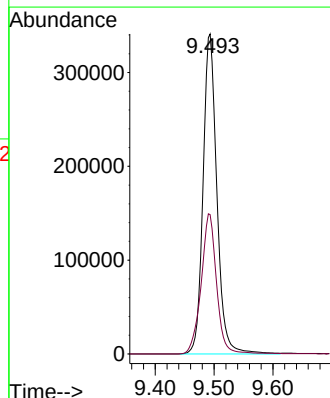
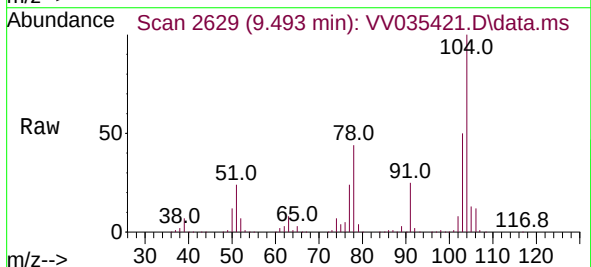
Acq: 26 Apr 2024 11:38

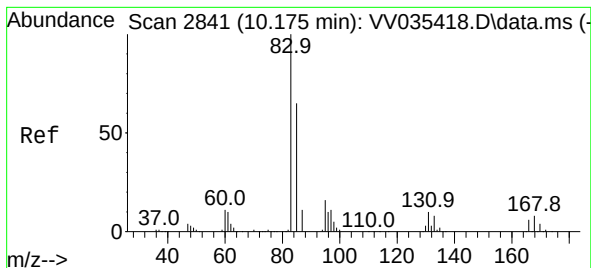
Tgt Ion:104 Resp: 557678

Ion Ratio Lower Upper

104 100

78 43.6 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 50.229 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

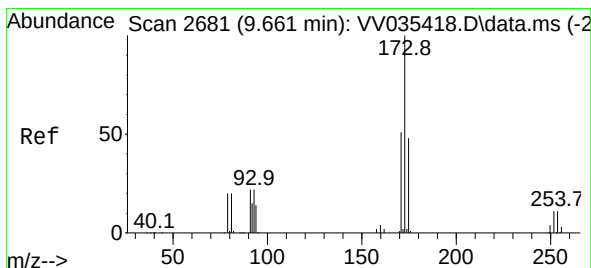
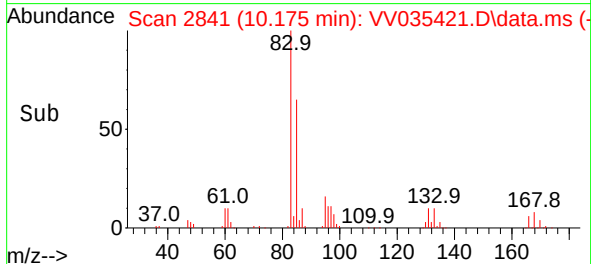
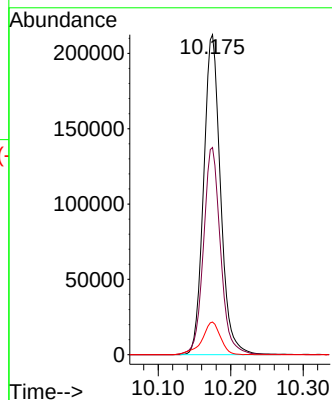
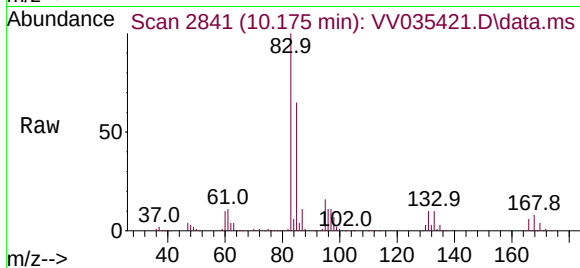
Tgt Ion: 83 Resp: 343560

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.2

131 10.2 7.9 11.9



#59

Bromoform

Concen: 46.551 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

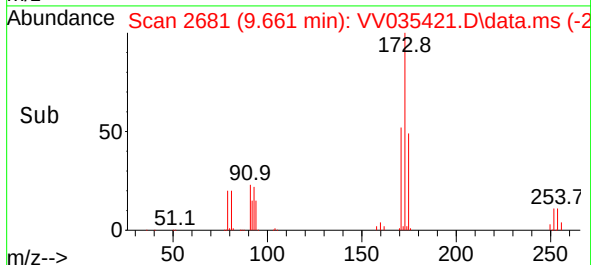
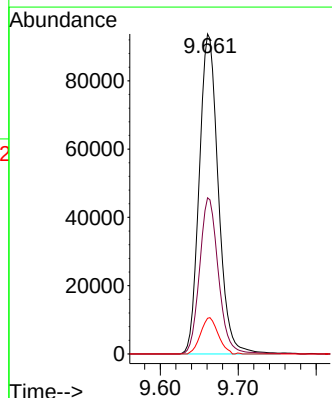
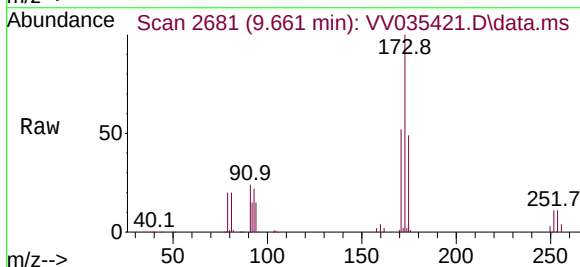
Tgt Ion: 173 Resp: 158980

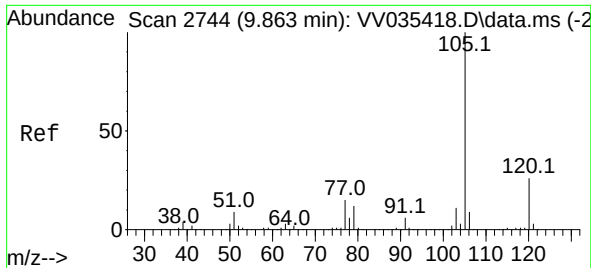
Ion Ratio Lower Upper

173 100

175 48.2 38.6 58.0

254 10.5 8.7 13.1

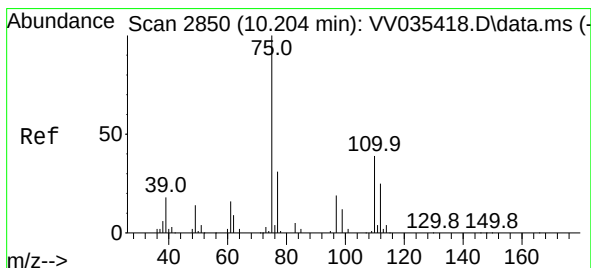
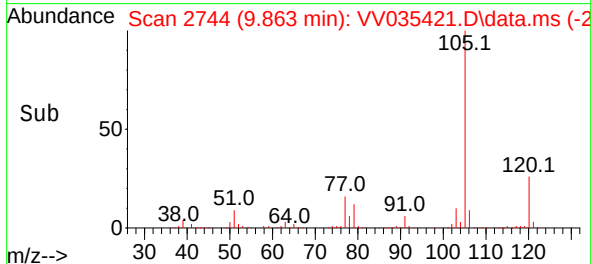
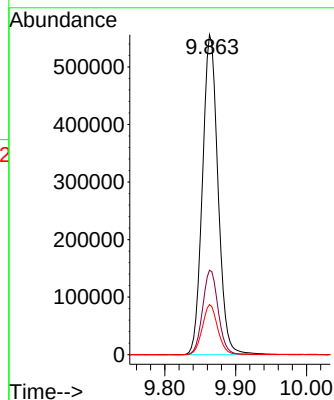
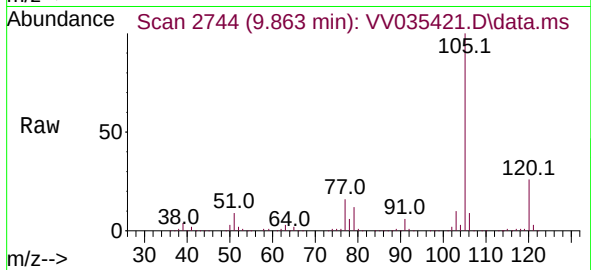




#60
Isopropylbenzene
Concen: 51.370 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

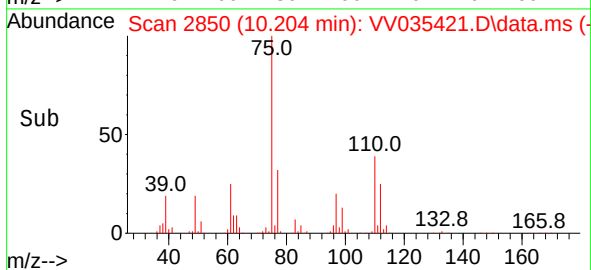
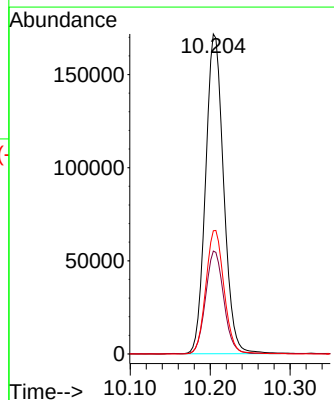
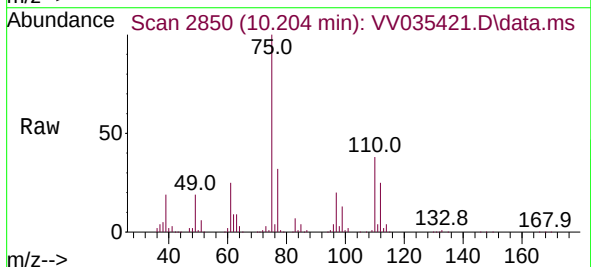
Instrument :
MSVOA_V
ClientSampleId :

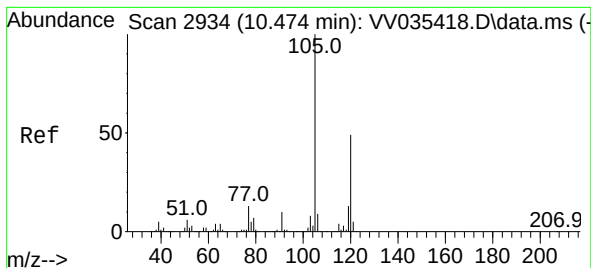
Tgt Ion:105 Resp: 847789
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 15.5 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 50.193 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. -0.000 min
Lab File: VV035421.D
Acq: 26 Apr 2024 11:38

Tgt Ion: 75 Resp: 270262
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
110 39.0 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 51.981 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

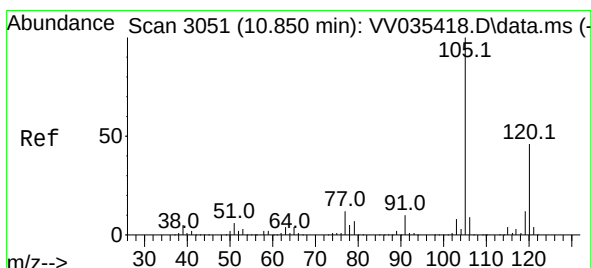
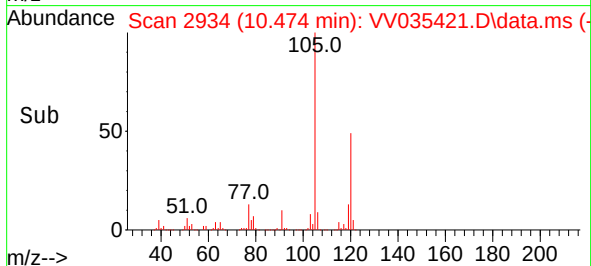
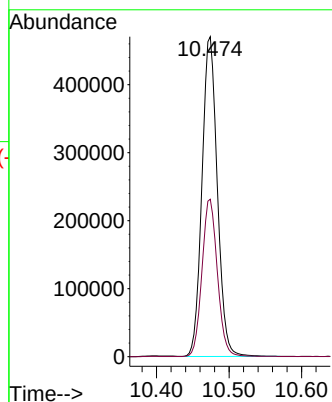
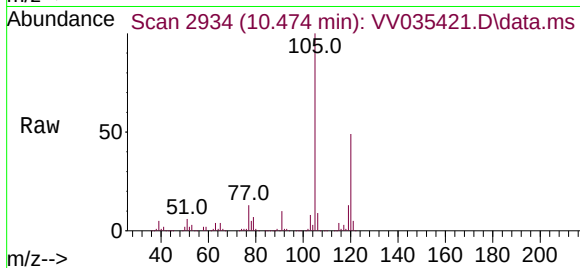
ClientSampleId :

Tgt Ion:105 Resp: 691111

Ion Ratio Lower Upper

105 100

120 49.4 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 53.792 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VV035421.D

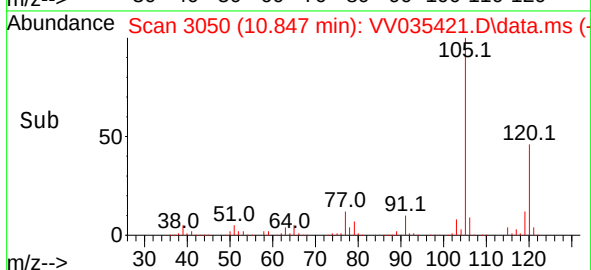
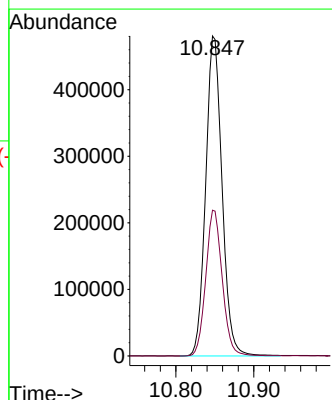
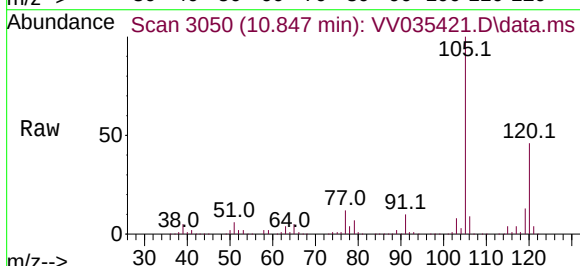
Acq: 26 Apr 2024 11:38

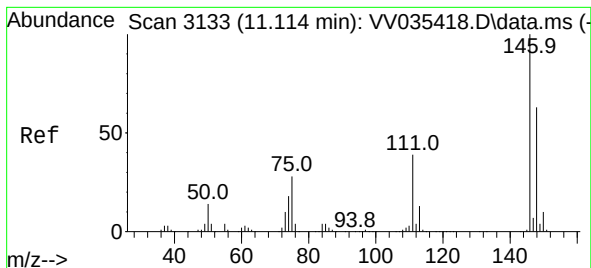
Tgt Ion:105 Resp: 700210

Ion Ratio Lower Upper

105 100

120 45.9 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 50.028 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

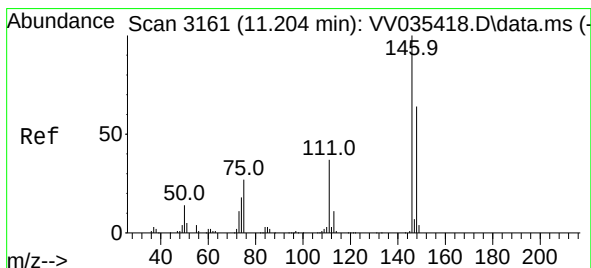
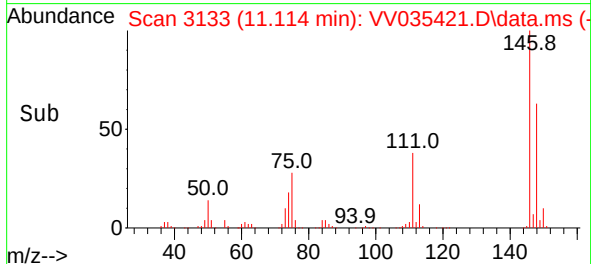
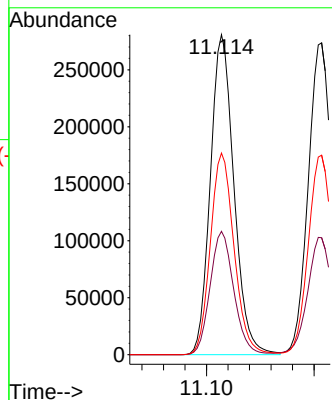
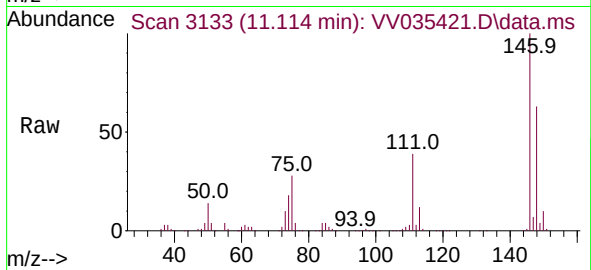
Tgt Ion:146 Resp: 427714

Ion Ratio Lower Upper

146 100

111 38.5 27.0 50.2

148 63.0 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 48.662 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

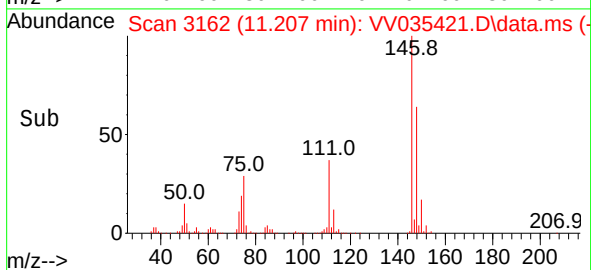
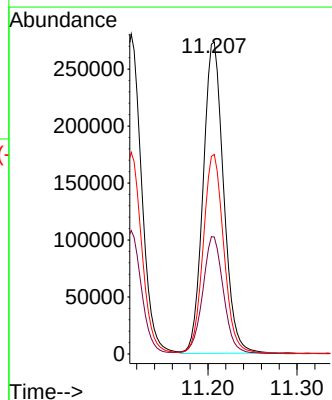
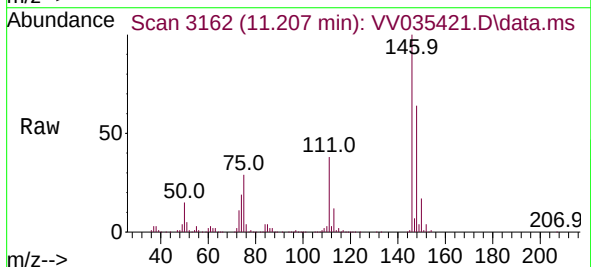
Tgt Ion:146 Resp: 436374

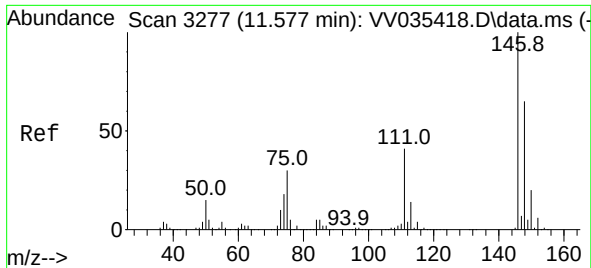
Ion Ratio Lower Upper

146 100

111 37.5 26.5 49.1

148 64.0 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 50.393 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

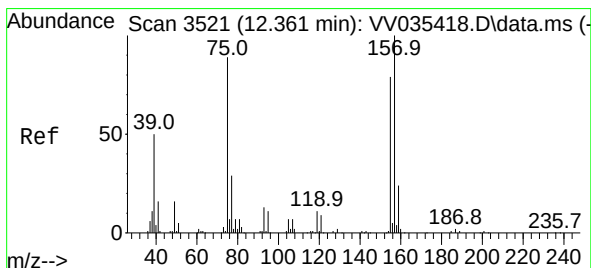
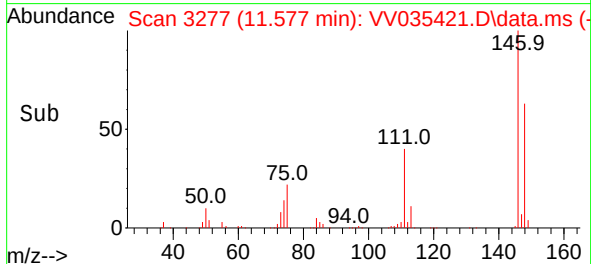
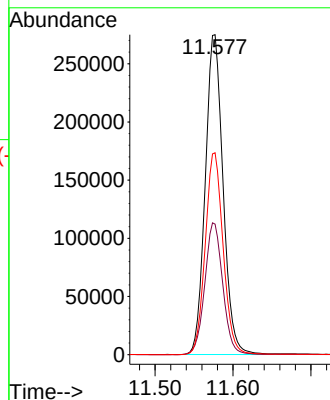
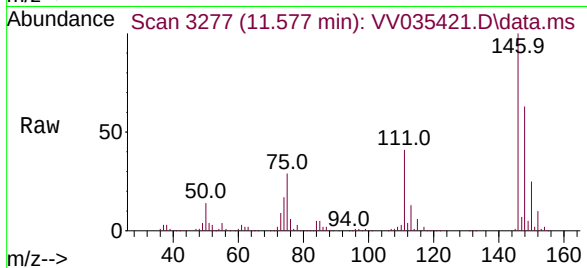
Tgt Ion:146 Resp: 436508

Ion Ratio Lower Upper

146 100

111 40.8 33.3 49.9

148 63.1 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 60.600 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

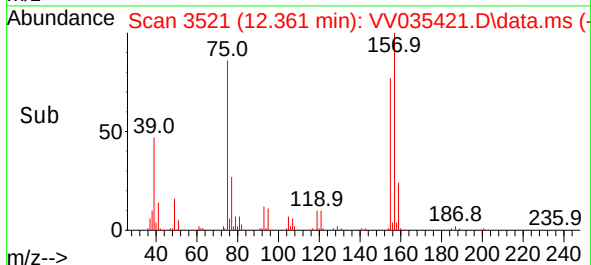
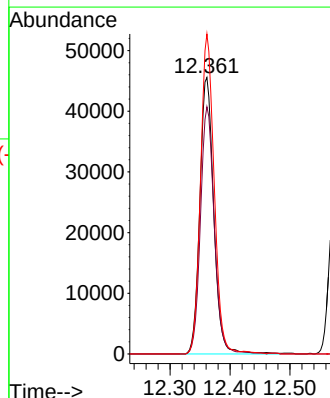
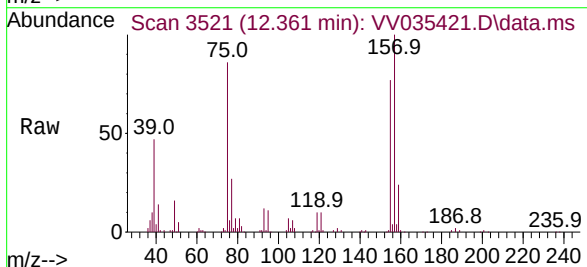
Tgt Ion: 75 Resp: 73821

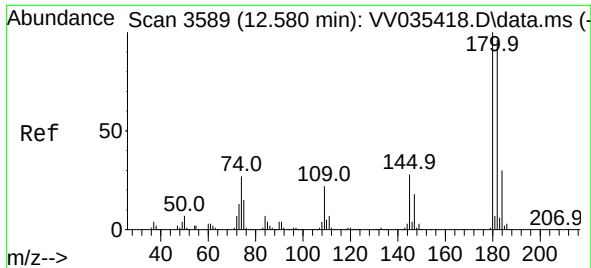
Ion Ratio Lower Upper

75 100

155 89.4 70.6 106.0

157 115.8 89.7 134.5





#69

1,3,5-Trichlorobenzene

Concen: 53.354 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

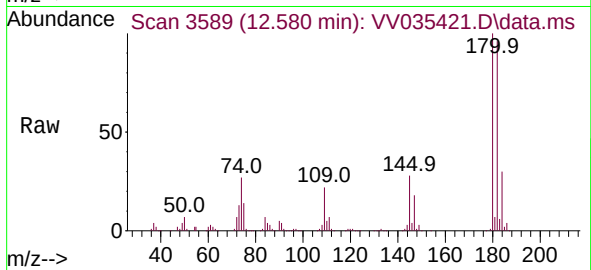
Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 323194

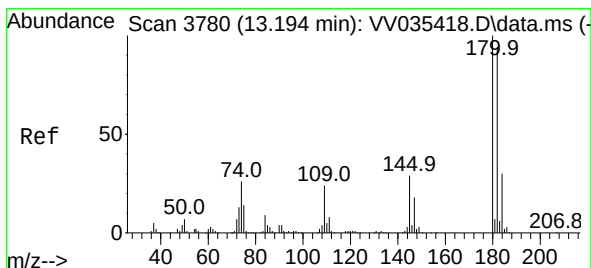
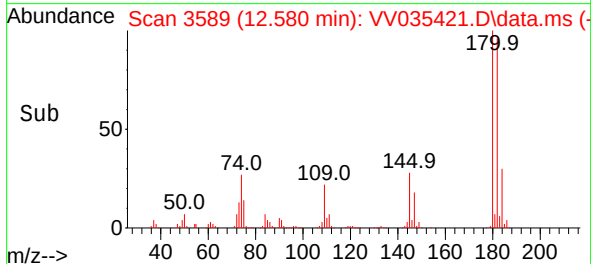
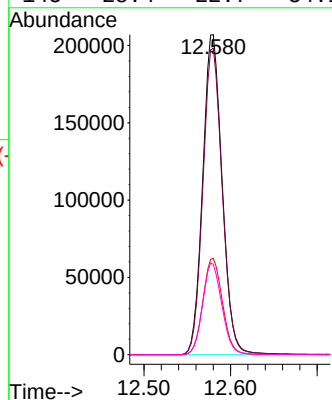
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

184 30.2 23.8 35.6

145 28.4 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 61.406 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

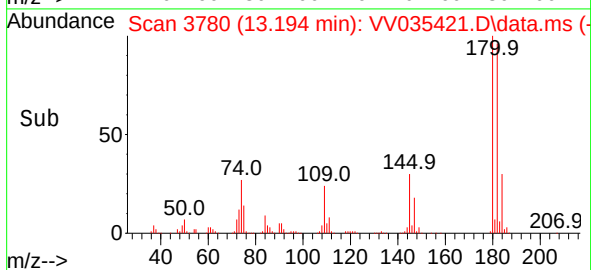
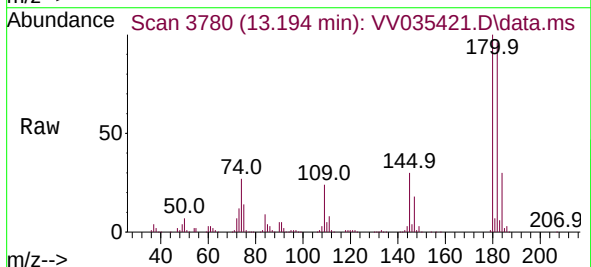
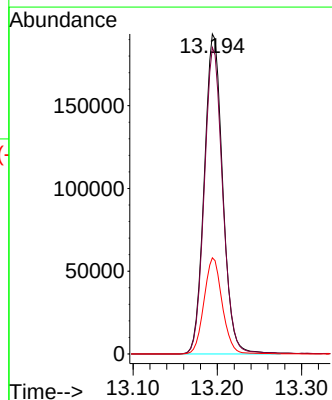
Tgt Ion:180 Resp: 295285

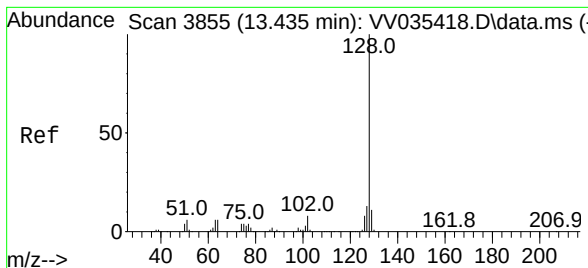
Ion Ratio Lower Upper

180 100

182 95.6 75.1 112.7

145 29.7 23.2 34.8





#71

Naphthalene

Concen: 97.902 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

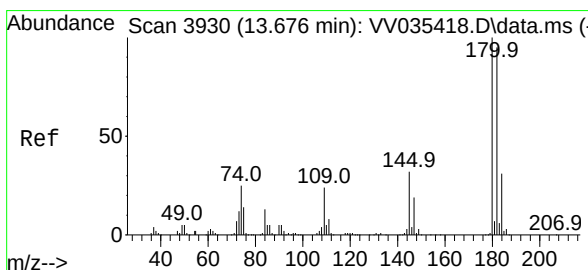
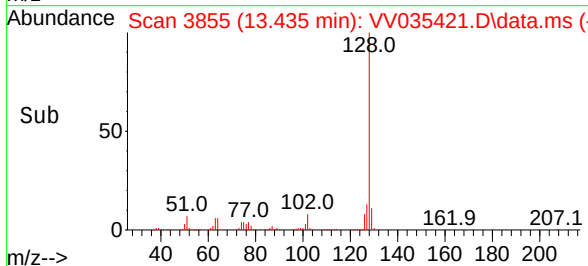
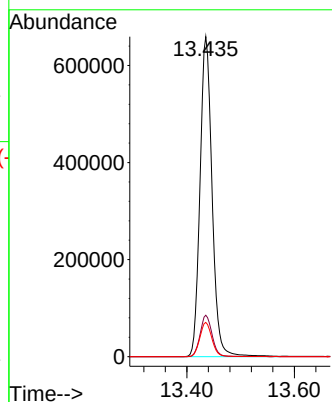
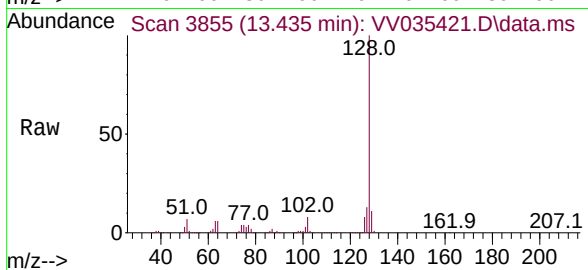
Tgt Ion:128 Resp: 1027062

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 66.944 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035421.D

Acq: 26 Apr 2024 11:38

Tgt Ion:180 Resp: 313677

Ion Ratio Lower Upper

180 100

182 94.7 76.6 115.0

145 30.5 24.7 37.1

