

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071724\
 Data File : VW029607.D
 Acq On : 17 Jul 2024 09:36
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 18 02:11:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 17 00:53:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	243810	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	221841	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	107736	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	77984	19.800	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.200%
7) Chloroethane-d5	2.899	69	62846	22.160	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.640%
11) 1,1-Dichloroethene-d2	4.021	65	38002	21.487	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.960%
21) 2-Butanone-d5	7.075	46	48816	41.289	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.580%
24) Chloroform-d	7.648	84	170677	24.215	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.880%
26) 1,2-Dichloroethane-d4	8.307	65	97472	23.577	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.320%
32) Benzene-d6	8.276	84	319854	24.068	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.280%
36) 1,2-Dichloropropane-d6	9.270	67	104557	24.607	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.440%
41) Toluene-d8	10.325	98	284530	24.345	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.360%
43) trans-1,3-Dichloroprop...	10.575	79	39990	22.225	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.880%
47) 2-Hexanone-d5	10.922	63	34092	44.154	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.300%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	78753	22.827	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.320%
66) 1,2-Dichlorobenzene-d4	13.848	152	89384	23.823	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	38192	15.997	ug/L	95
3) Chloromethane	2.222	50	62759	19.647	ug/L	98
5) Vinyl chloride	2.375	62	82759	22.703	ug/L	95
6) Bromomethane	2.789	94	50221	23.268	ug/L	96
8) Chloroethane	2.936	64	55083	24.557	ug/L	100
9) Trichlorofluoromethane	3.271	101	70708	21.548	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	75153	23.272	ug/L	97
12) 1,1-Dichloroethene	4.045	96	72100	23.779	ug/L	92
13) Acetone	4.118	43	64227	53.822	ug/L	98
14) Carbon disulfide	4.387	76	211093	21.438	ug/L	99
15) Methyl Acetate	4.667	43	45098	21.525	ug/L	100
16) Methylene chloride	4.911	84	96006	21.995	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	78044	23.252	ug/L	88
18) Methyl tert-butyl Ether	5.429	73	136759	23.947	ug/L	99
19) 1,1-Dichloroethane	6.216	63	176477	25.602	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	91368	24.894	ug/L	96
22) 2-Butanone	7.167	43	68225	43.550	ug/L	100
23) Bromochloromethane	7.514	128	38738	23.465	ug/L	96
25) Chloroform	7.673	83	170909	25.625	ug/L	98

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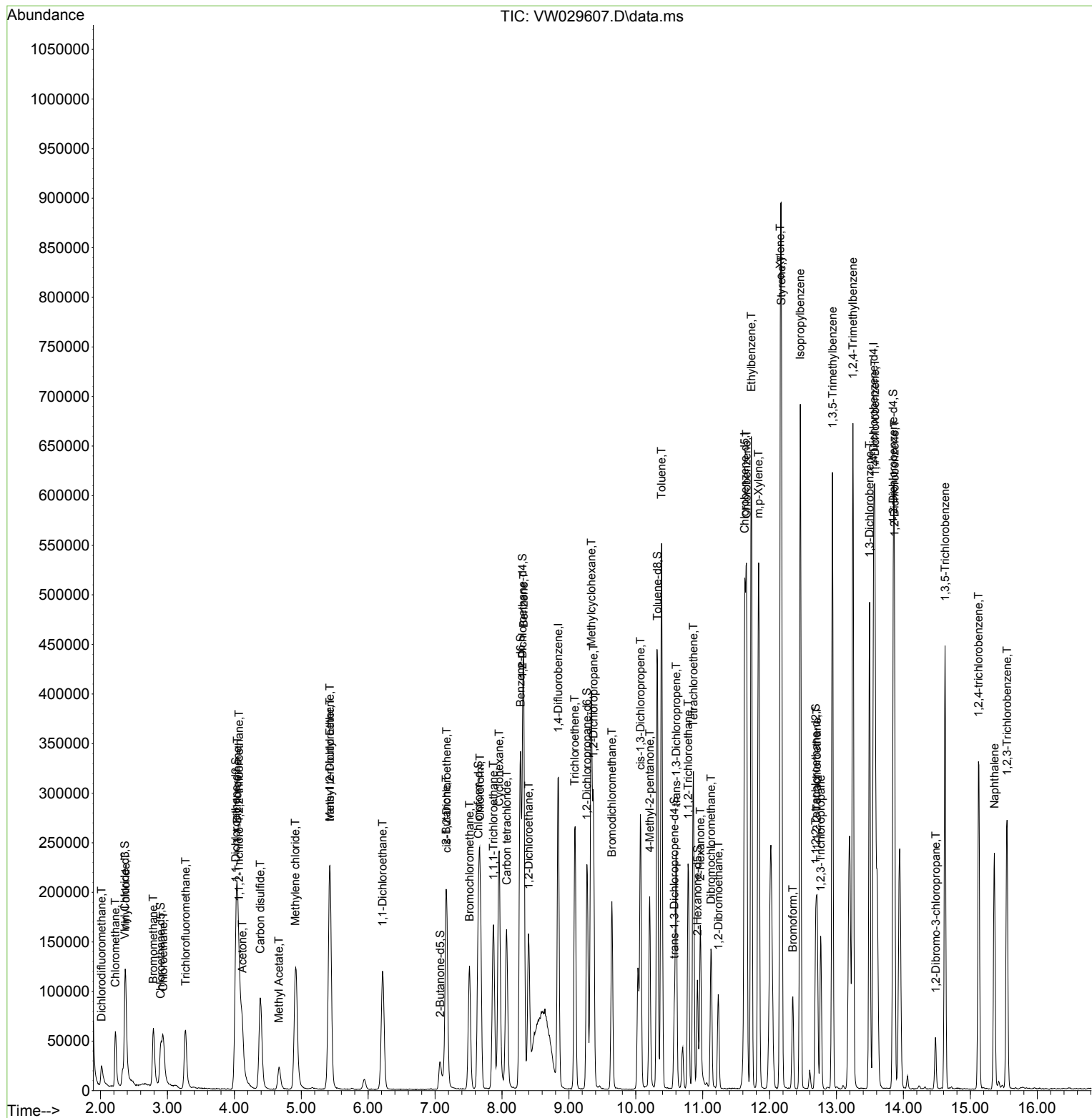
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	124244	24.837	ug/L	96
29) Cyclohexane	7.959	56	138398	25.054	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	131173	25.893	ug/L	97
31) Carbon tetrachloride	8.069	117	118809	25.609	ug/L	99
33) Benzene	8.325	78	363637	26.199	ug/L	100
34) Trichloroethene	9.087	95	94362	25.744	ug/L	92
35) Methylcyclohexane	9.337	83	149292	25.341	ug/L	98
37) 1,2-Dichloropropane	9.368	63	101781	26.518	ug/L	100
38) Bromodichloromethane	9.642	83	122734	26.180	ug/L	95
39) cis-1,3-Dichloropropene	10.069	75	152234	26.407	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	132985	49.162	ug/L	99
42) Toluene	10.386	91	379227	26.707	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	125424	25.384	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	68936	24.973	ug/L	97
46) Tetrachloroethene	10.861	164	66297	25.459	ug/L	83
48) 2-Hexanone	10.965	43	107051	52.677	ug/L	99
49) Dibromochloromethane	11.123	129	73481	25.579	ug/L	95
50) 1,2-Dibromoethane	11.233	107	62689	23.831	ug/L	98
51) Chlorobenzene	11.654	112	238121	25.941	ug/L	98
52) Ethylbenzene	11.727	91	439262	27.304	ug/L	97
53) m,p-Xylene	11.837	106	157918	26.739	ug/L	99
54) o-Xylene	12.160	106	151104	27.663	ug/L	97
55) Styrene	12.178	104	256937	26.750	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	82619	23.728	ug/L	96
59) Bromoform	12.349	173	40434	24.313	ug/L	98
60) Isopropylbenzene	12.458	105	412480	27.211	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	61570	23.614	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	311529	28.891	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	341515	28.697	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	172537	25.393	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	179718	25.818	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	152867	24.889	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.482	75	13473	21.614	ug/L	86
69) 1,3,5-Trichlorobenzene	14.623	180	119213	26.895	ug/L	95
70) 1,2,4-trichlorobenzene	15.123	180	94609	24.257	ug/L	96
71) Naphthalene	15.360	128	186323	22.760	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	84000	23.705	ug/L	96

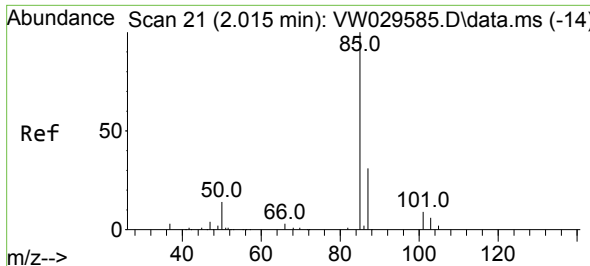
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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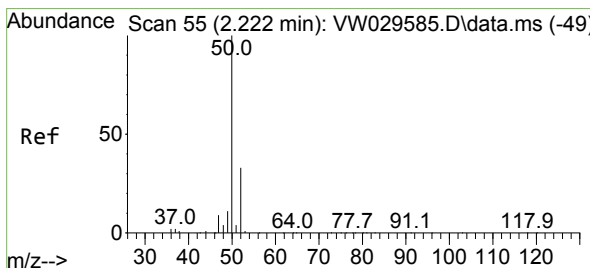
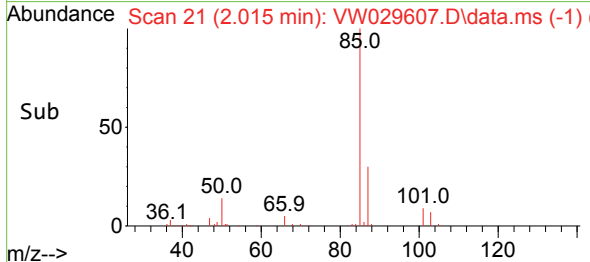
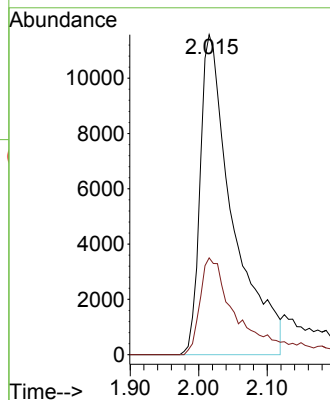
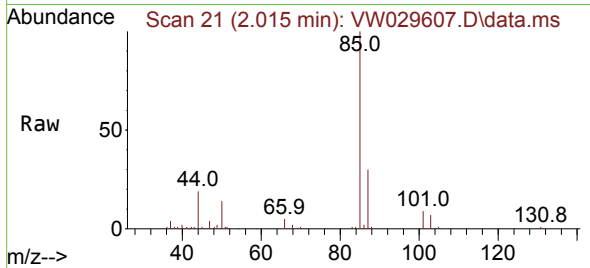




#2
 Dichlorodifluoromethane
 Concen: 15.997 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW029607.D
 Acq: 17 Jul 2024 09:36

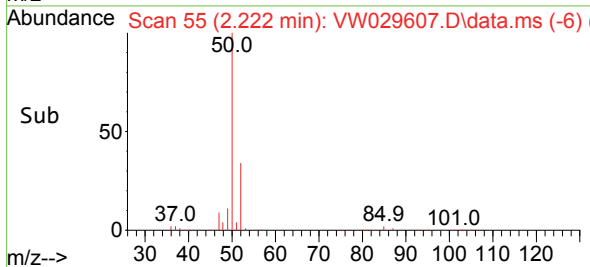
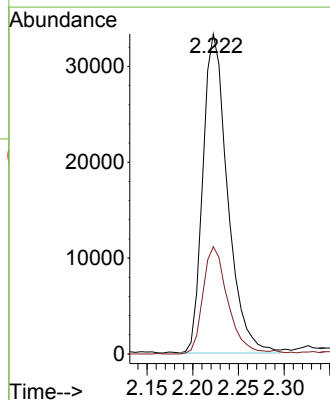
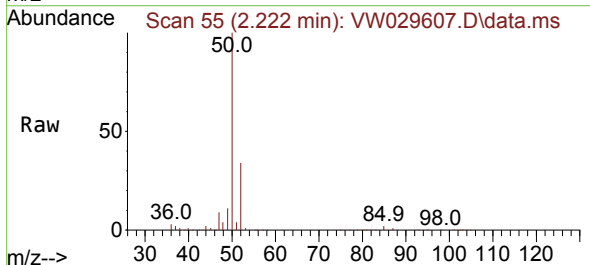
Instrument :
 MSVOA_W
 ClientSampleId :

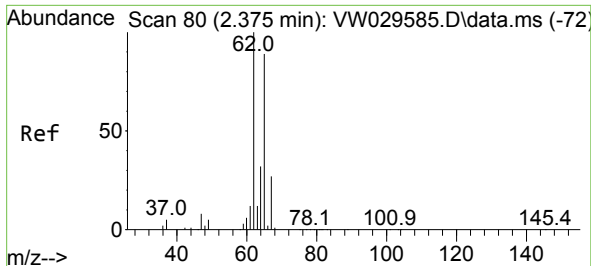
Tgt Ion: 85 Resp: 38192
 Ion Ratio Lower Upper
 85 100
 87 30.0 26.1 39.1



#3
 Chloromethane
 Concen: 19.647 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW029607.D
 Acq: 17 Jul 2024 09:36

Tgt Ion: 50 Resp: 62759
 Ion Ratio Lower Upper
 50 100
 52 33.5 24.4 45.2

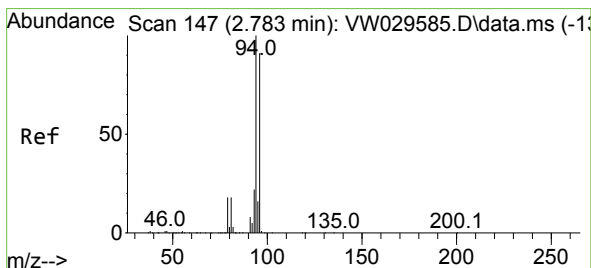
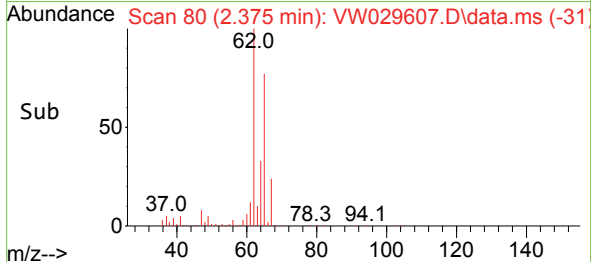
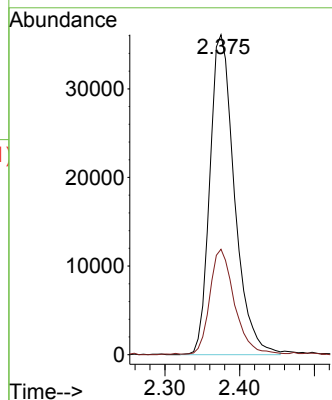
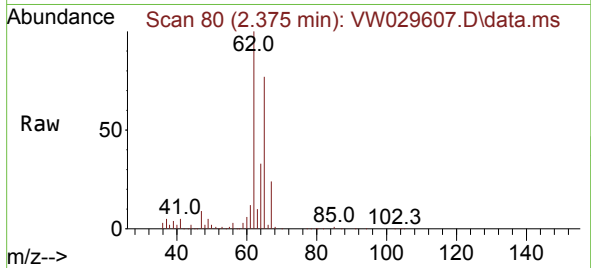




#5
 Vinyl chloride
 Concen: 22.703 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW029607.D
 Acq: 17 Jul 2024 09:36

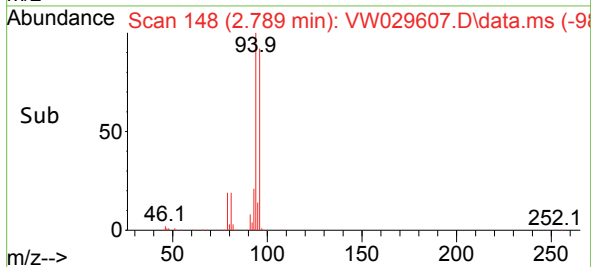
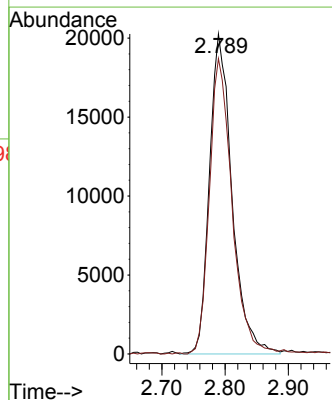
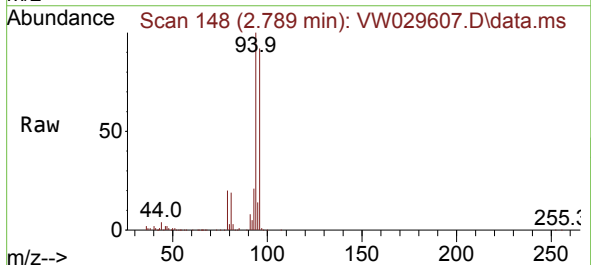
Instrument :
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 ClientSampleId :

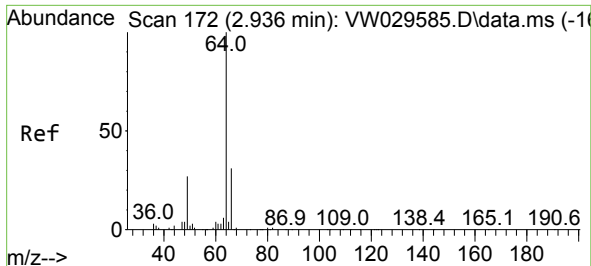
Tgt Ion: 62 Resp: 82759
 Ion Ratio Lower Upper
 62 100
 64 33.0 25.1 46.5



#6
 Bromomethane
 Concen: 23.268 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.006 min
 Lab File: VW029607.D
 Acq: 17 Jul 2024 09:36

Tgt Ion: 94 Resp: 50221
 Ion Ratio Lower Upper
 94 100
 96 92.3 61.7 114.7

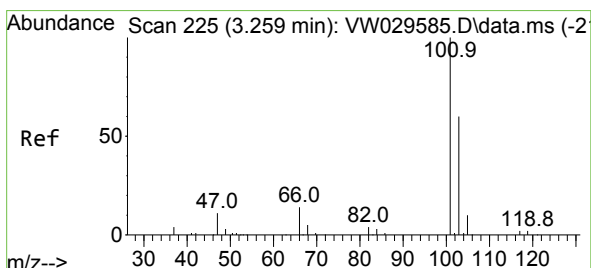
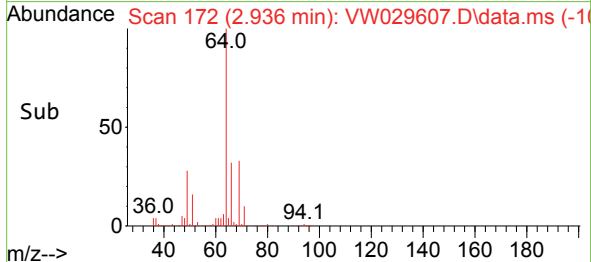
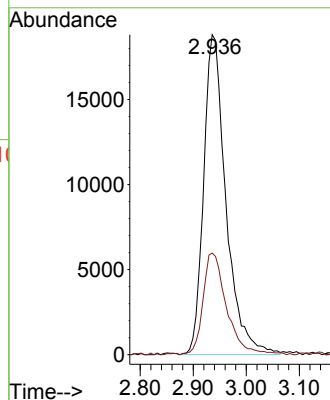
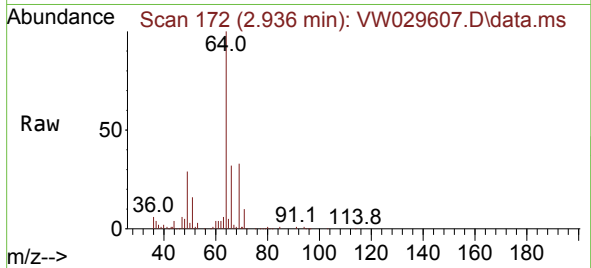




#8
Chloroethane
Concen: 24.557 ug/L
RT: 2.936 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

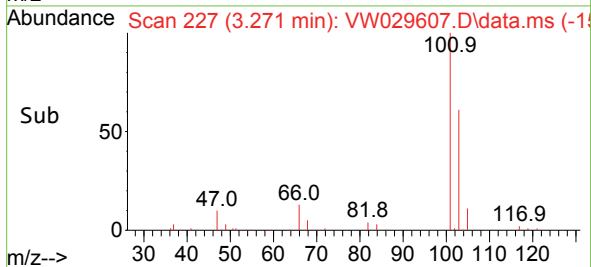
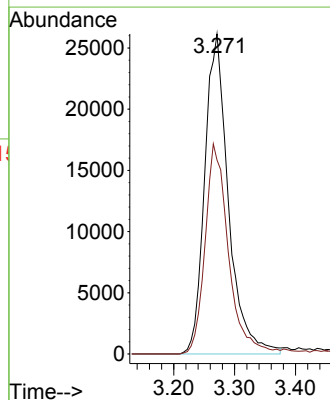
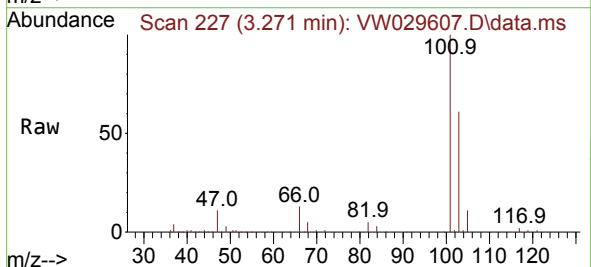
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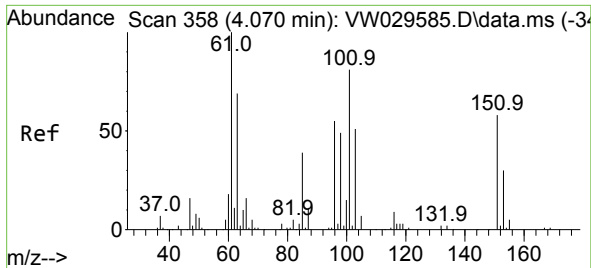
Tgt Ion: 64 Resp: 55083
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 21.548 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.012 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Tgt Ion:101 Resp: 70708
Ion Ratio Lower Upper
101 100
103 64.4 49.6 74.4

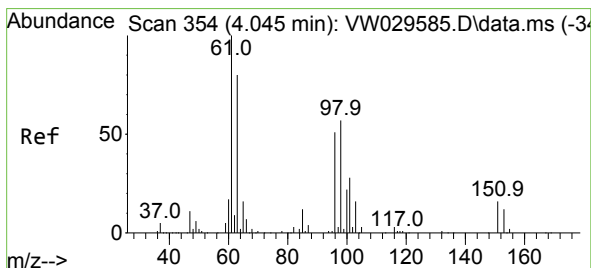
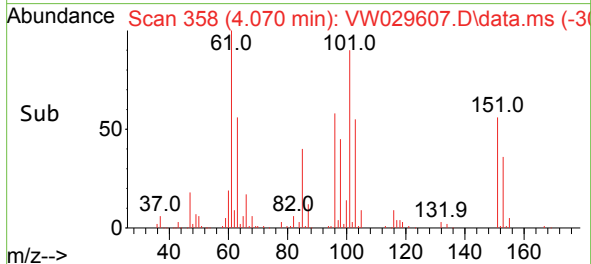
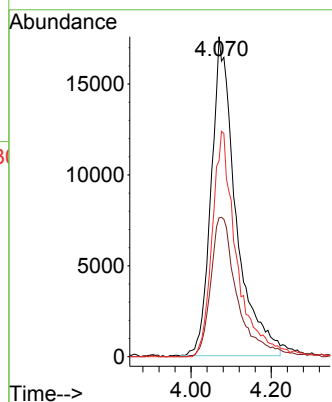
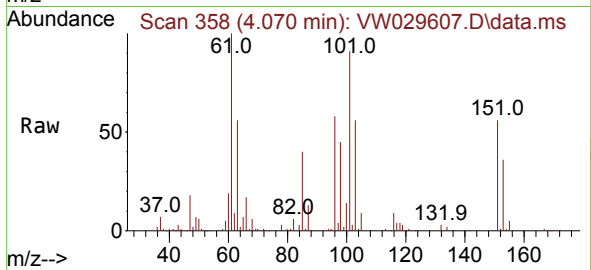




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.272 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: VW029607.D
 Acq: 17 Jul 2024 09:36

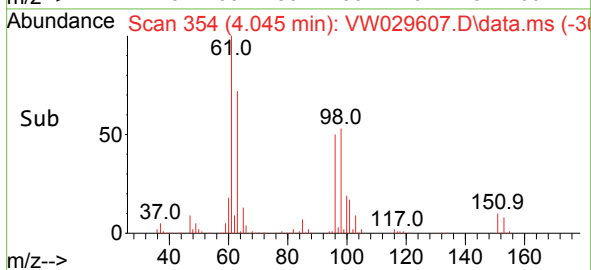
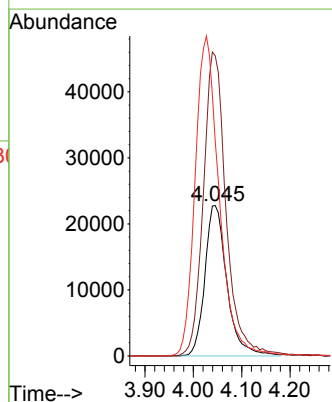
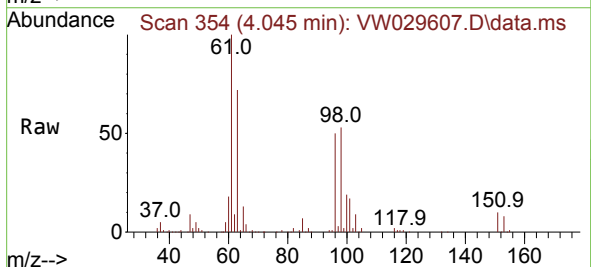
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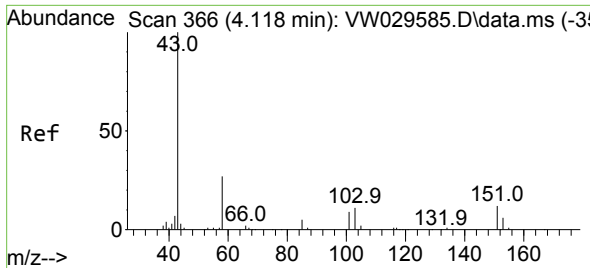
Tgt Ion:101 Resp: 75153
 Ion Ratio Lower Upper
 101 100
 85 46.2 33.8 50.8
 151 69.5 55.4 83.0



#12
 1,1-Dichloroethene
 Concen: 23.779 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW029607.D
 Acq: 17 Jul 2024 09:36

Tgt Ion: 96 Resp: 72100
 Ion Ratio Lower Upper
 96 100
 61 199.7 132.4 245.8
 63 142.8 108.4 201.2





#13

Acetone

Concen: 53.822 ug/L

RT: 4.118 min Scan# 366

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

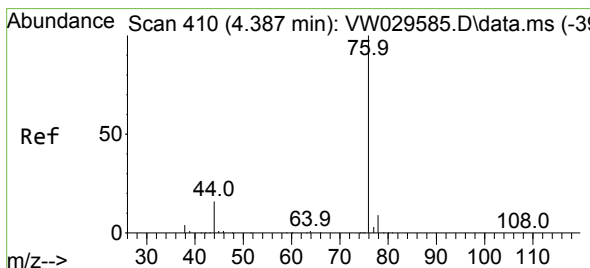
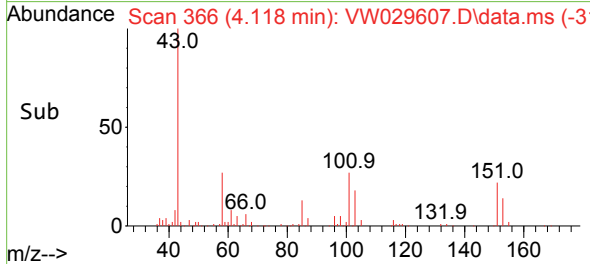
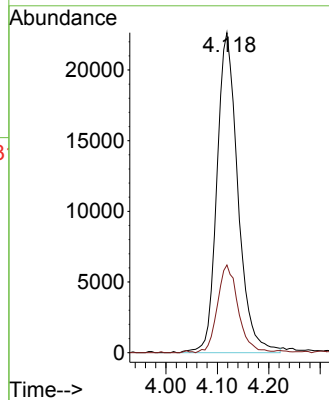
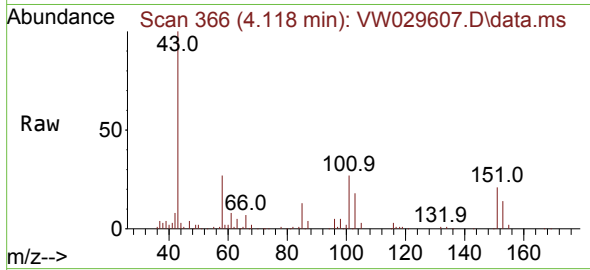
ClientSampleId :

Tgt Ion: 43 Resp: 64227

Ion Ratio Lower Upper

43 100

58 26.7 0.0 55.6



#14

Carbon disulfide

Concen: 21.438 ug/L

RT: 4.387 min Scan# 410

Delta R.T. 0.000 min

Lab File: VW029607.D

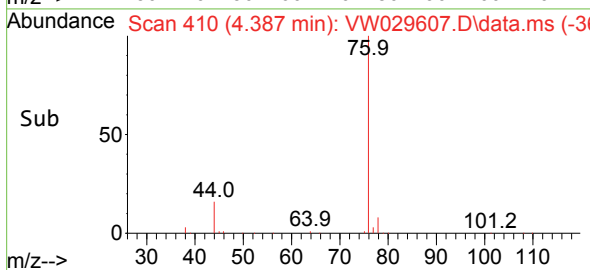
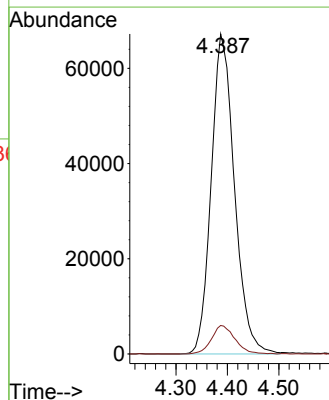
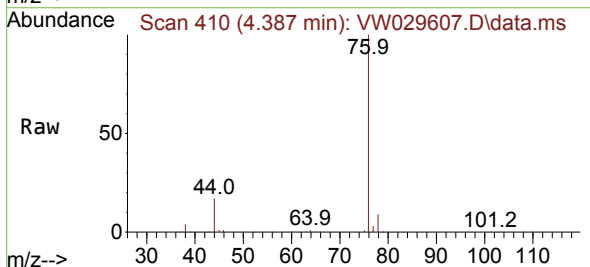
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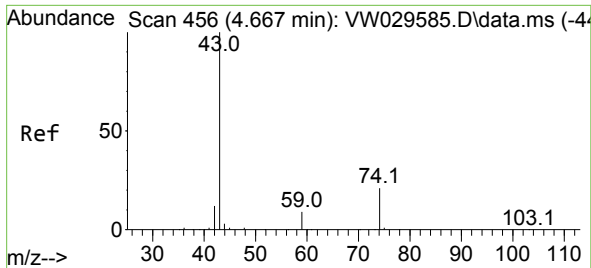
Tgt Ion: 76 Resp: 211093

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

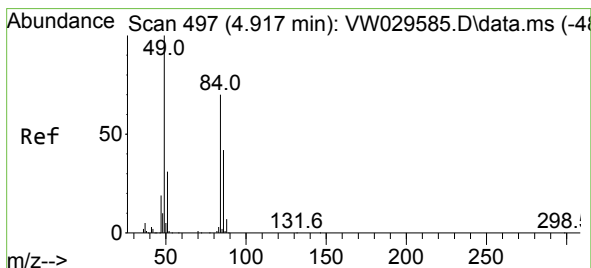
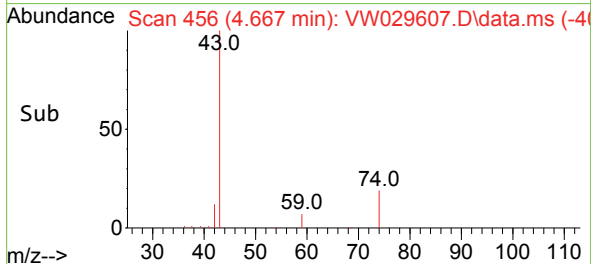
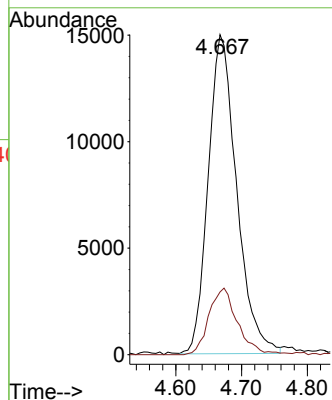
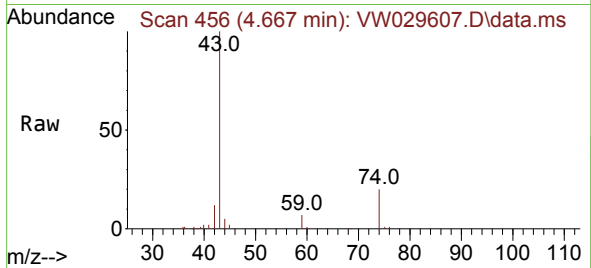




#15
Methyl Acetate
Concen: 21.525 ug/L
RT: 4.667 min Scan# 456
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

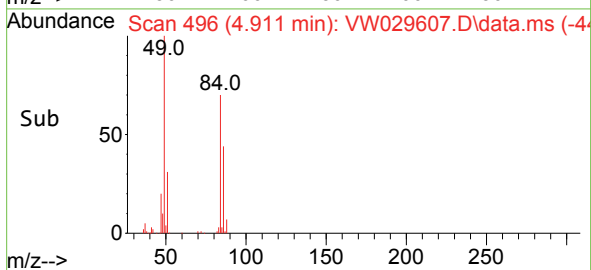
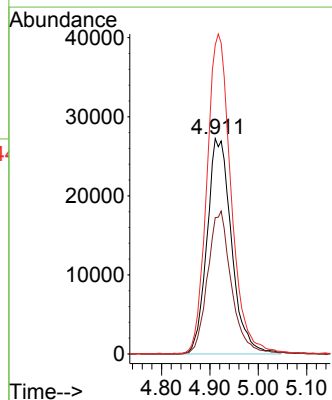
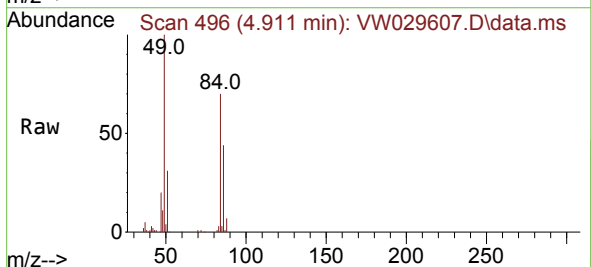
Instrument :
MSVOA_W
ClientSampleId :

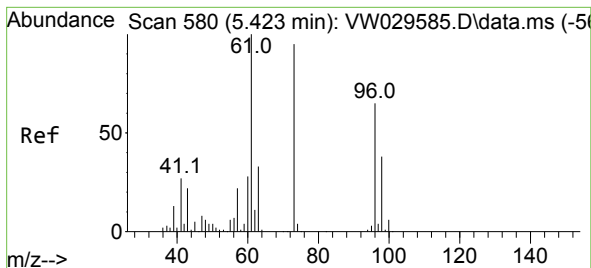
Tgt Ion: 43 Resp: 45098
Ion Ratio Lower Upper
43 100
74 20.5 16.2 24.4



#16
Methylene chloride
Concen: 21.995 ug/L
RT: 4.911 min Scan# 496
Delta R.T. -0.006 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Tgt Ion: 84 Resp: 96006
Ion Ratio Lower Upper
84 100
86 63.3 46.2 85.8
49 143.5 96.7 179.7





#17

trans-1,2-Dichloroethene

Concen: 23.252 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :

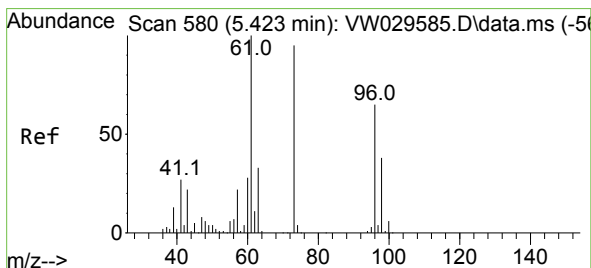
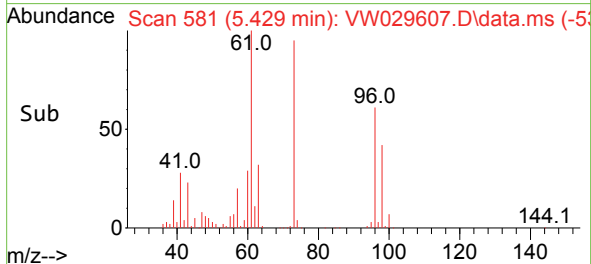
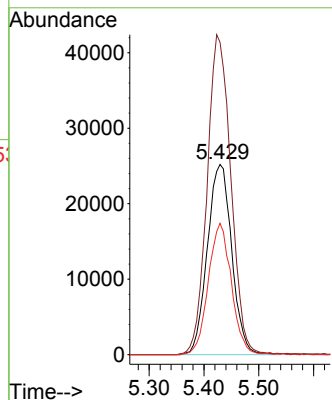
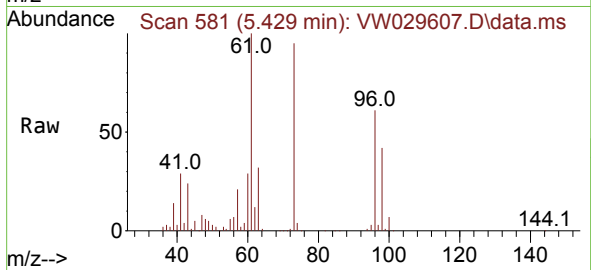
Tgt Ion: 96 Resp: 78044

Ion Ratio Lower Upper

96 100

61 164.1 102.9 191.1

98 69.0 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 23.947 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

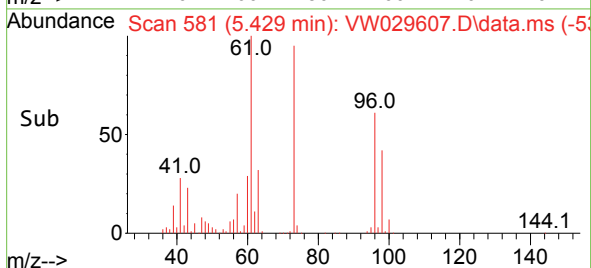
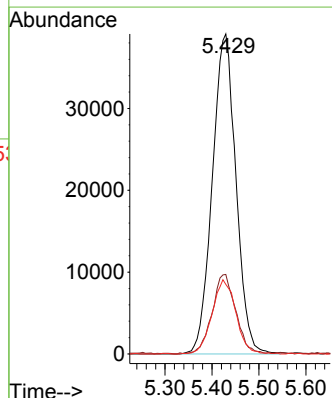
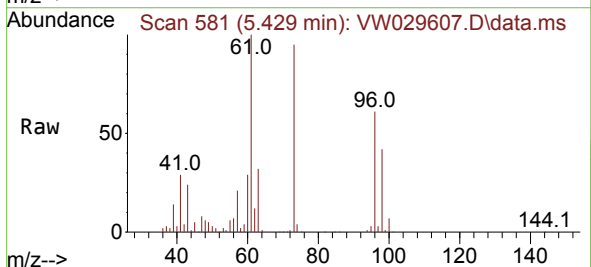
Tgt Ion: 73 Resp: 136759

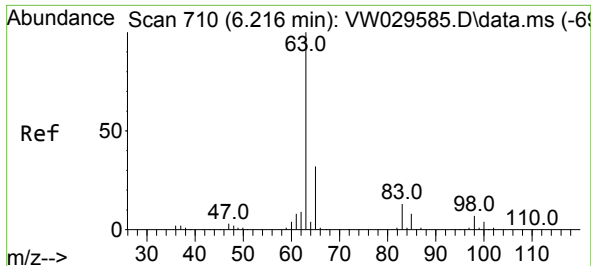
Ion Ratio Lower Upper

73 100

43 24.4 18.7 28.1

57 23.3 18.9 28.3





#19

1,1-Dichloroethane

Concen: 25.602 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :

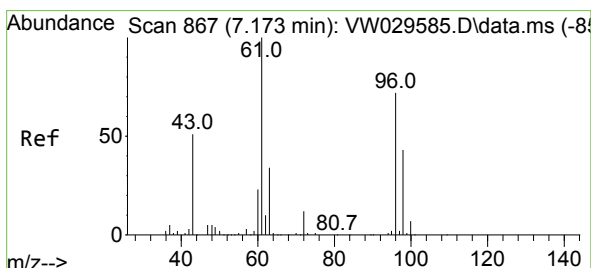
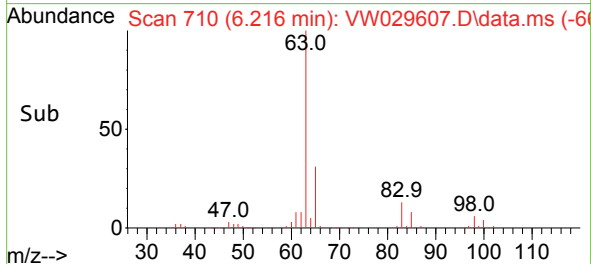
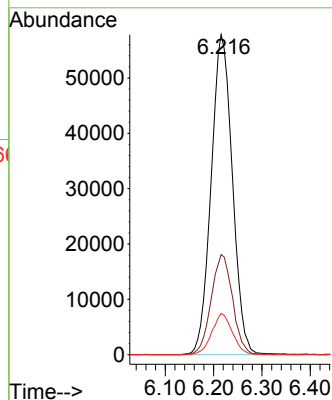
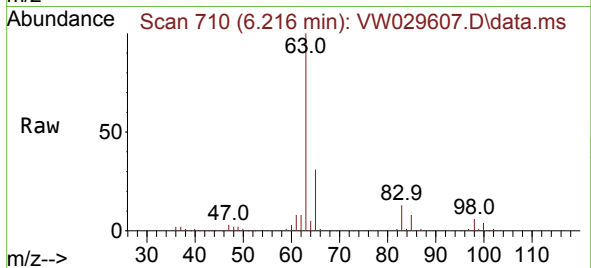
Tgt Ion: 63 Resp: 176477

Ion Ratio Lower Upper

63 100

65 31.3 21.5 39.9

83 12.8 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 24.894 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

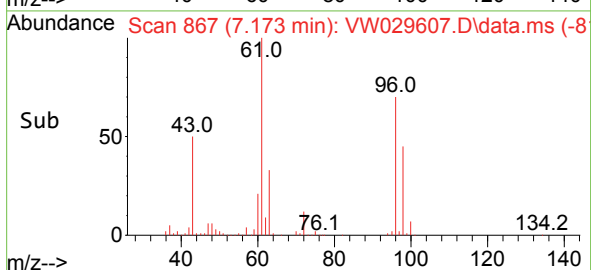
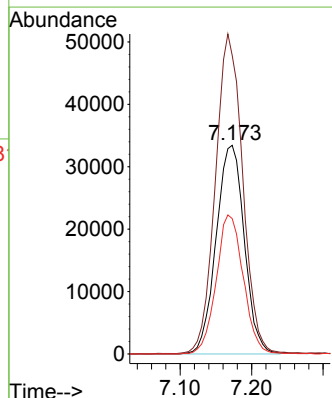
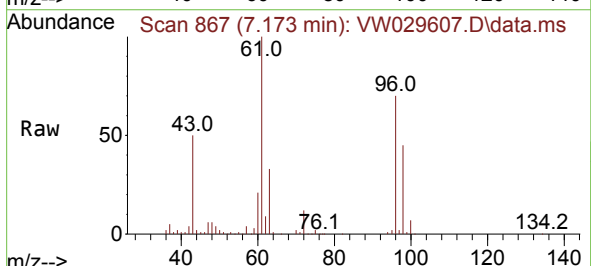
Tgt Ion: 96 Resp: 91368

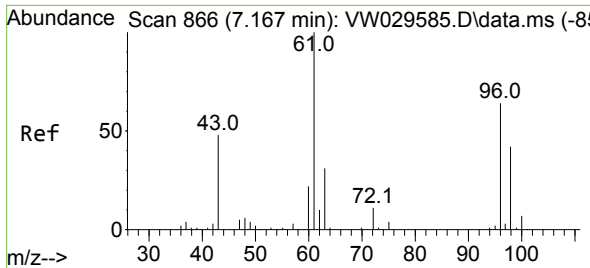
Ion Ratio Lower Upper

96 100

61 143.0 97.4 180.8

98 64.8 41.6 77.2

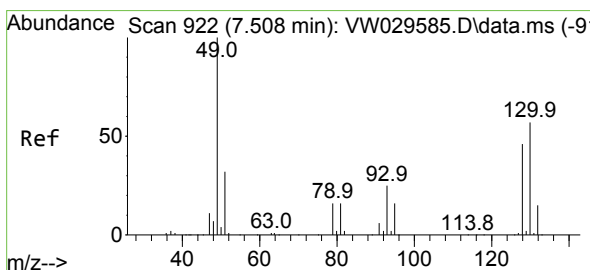
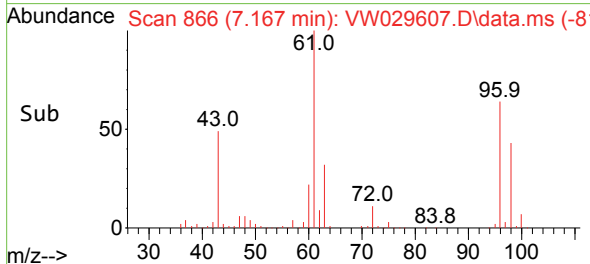
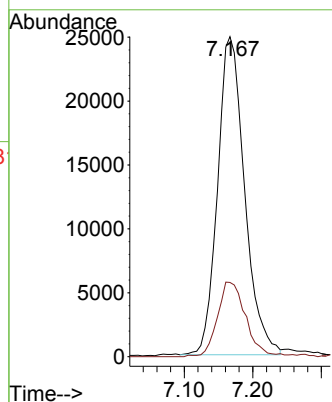
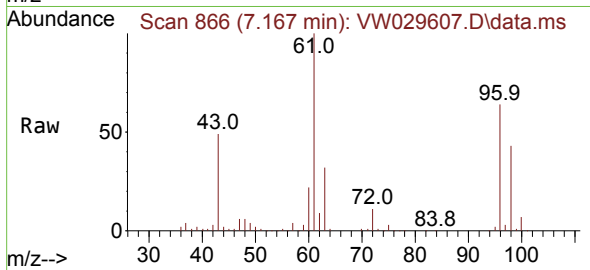




#22
2-Butanone
Concen: 43.550 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

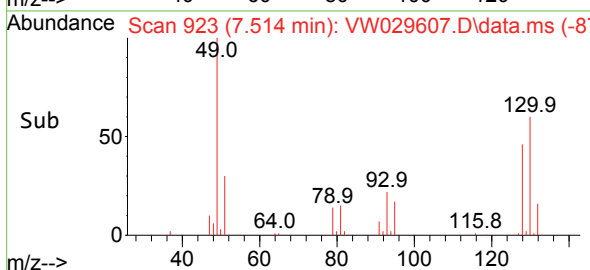
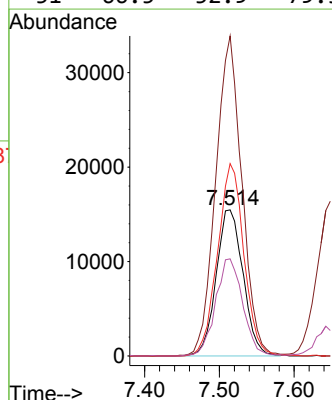
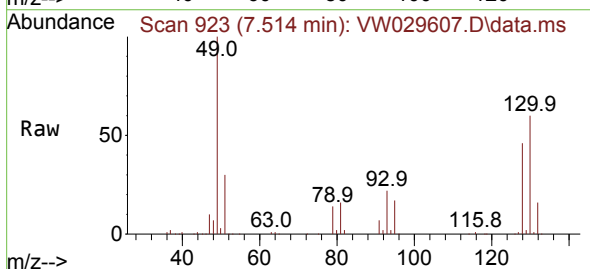
Instrument :
MSVOA_W
ClientSampleId :

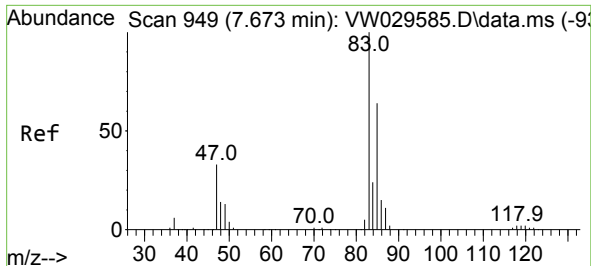
Tgt Ion: 43 Resp: 68225
Ion Ratio Lower Upper
43 100
72 24.1 12.0 36.1



#23
Bromochloromethane
Concen: 23.465 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.006 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Tgt Ion: 128 Resp: 38738
Ion Ratio Lower Upper
128 100
49 219.1 146.2 271.4
130 131.7 91.9 170.7
51 66.5 52.9 79.3

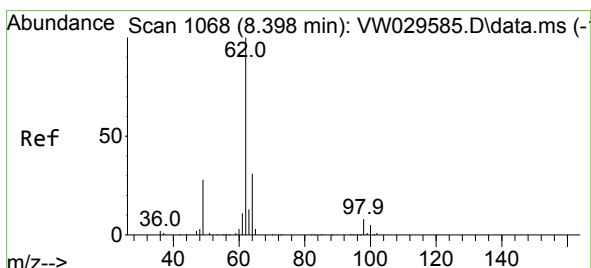
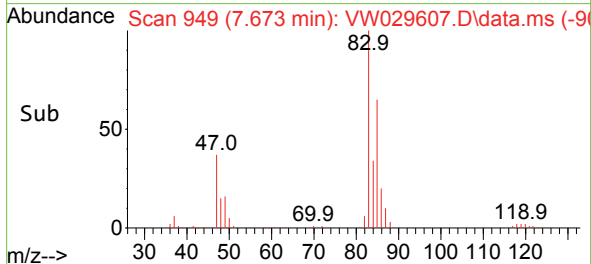
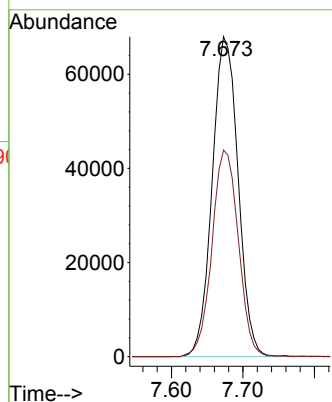
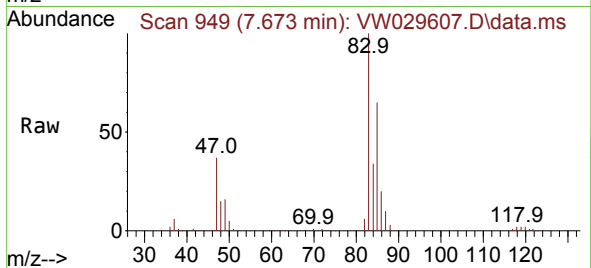




#25
Chloroform
Concen: 25.625 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

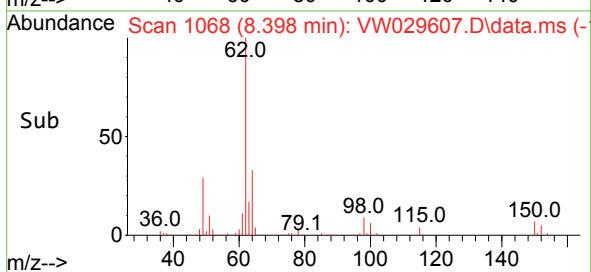
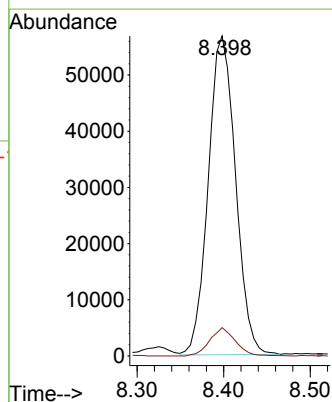
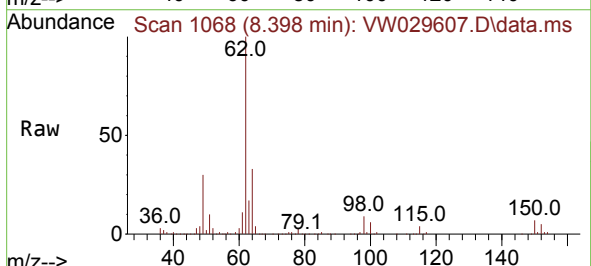
Instrument :
MSVOA_W
ClientSampleId :

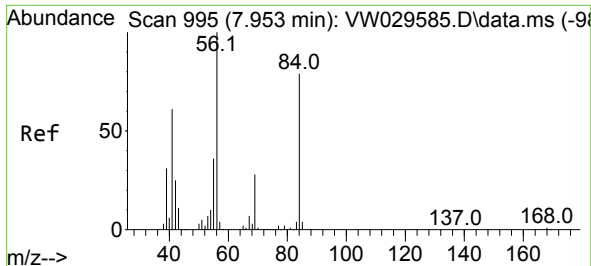
Tgt Ion: 83 Resp: 170909
Ion Ratio Lower Upper
83 100
85 64.6 44.1 81.9



#27
1,2-Dichloroethane
Concen: 24.837 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Tgt Ion: 62 Resp: 124244
Ion Ratio Lower Upper
62 100
98 8.9 6.0 9.0





#29

Cyclohexane

Concen: 25.054 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

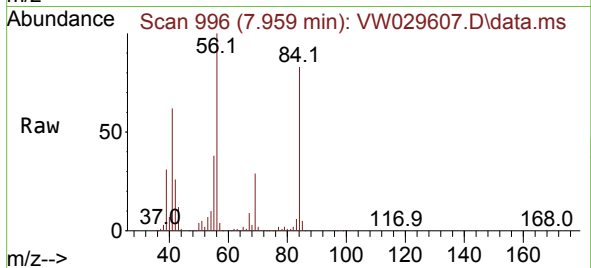
Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :



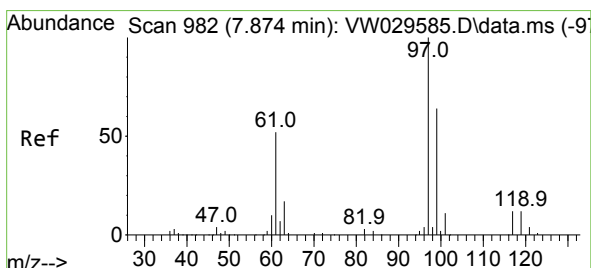
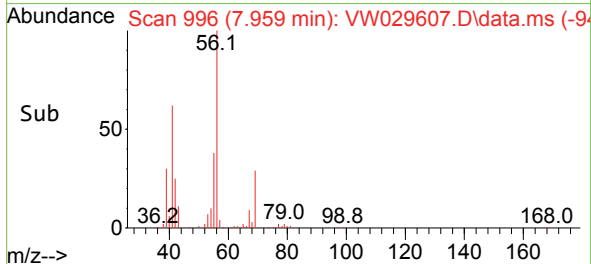
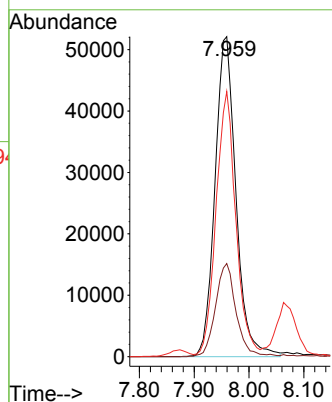
Tgt Ion: 56 Resp: 138398

Ion Ratio Lower Upper

56 100

69 28.4 23.3 34.9

84 78.0 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 25.893 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

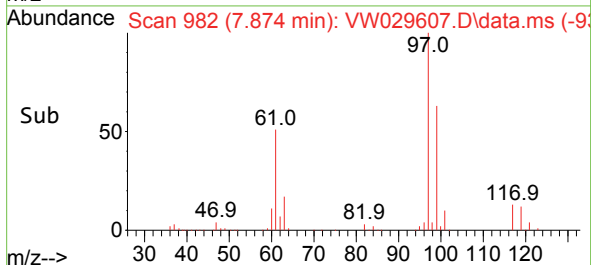
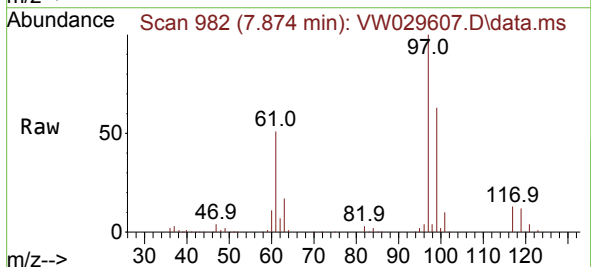
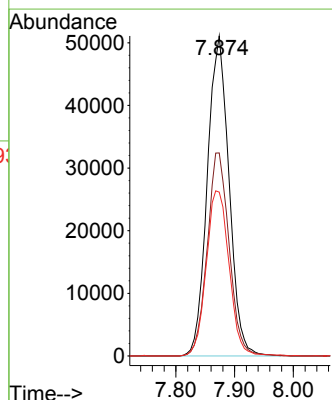
Tgt Ion: 97 Resp: 131173

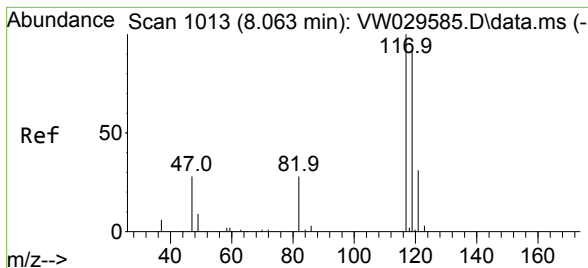
Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 54.4 40.6 61.0

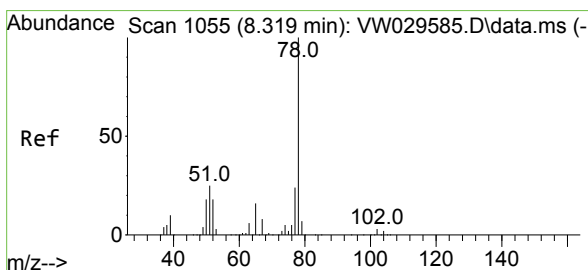
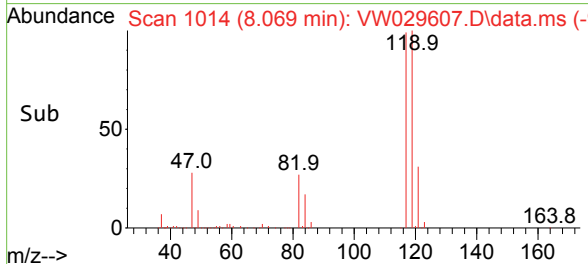
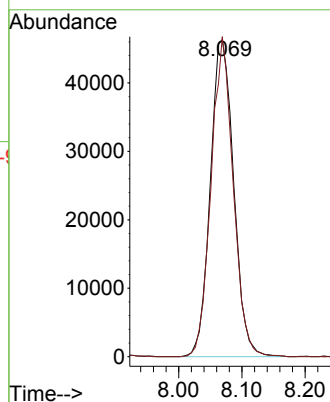
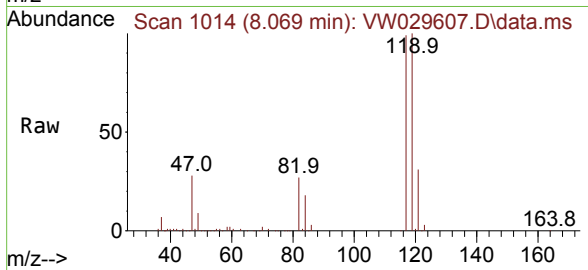




#31
Carbon tetrachloride
Concen: 25.609 ug/L
RT: 8.069 min Scan# 1013
Delta R.T. 0.006 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

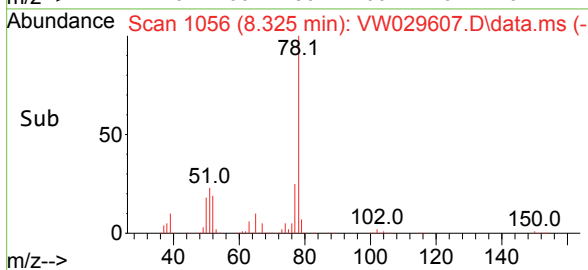
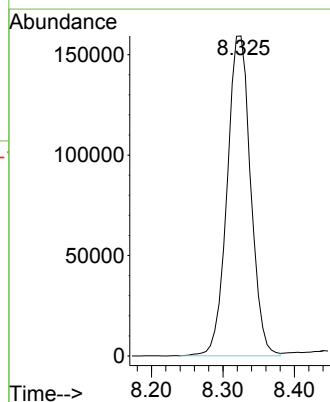
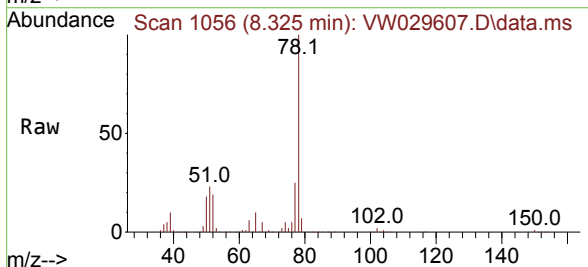
Instrument :
MSVOA_W
ClientSampleId :

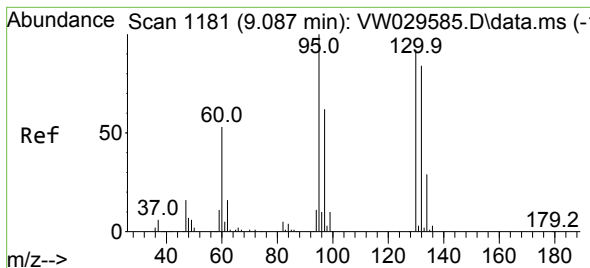
Tgt Ion:117 Resp: 118809
Ion Ratio Lower Upper
117 100
119 95.3 77.0 115.6



#33
Benzene
Concen: 26.199 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Tgt Ion: 78 Resp: 363637





#34

Trichloroethene

Concen: 25.744 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 94362

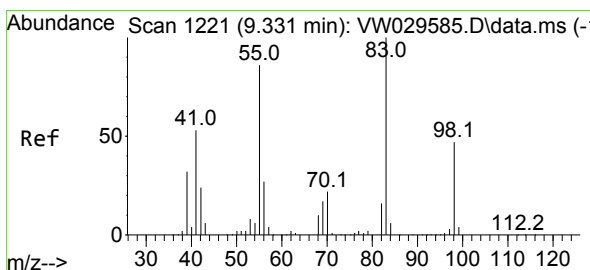
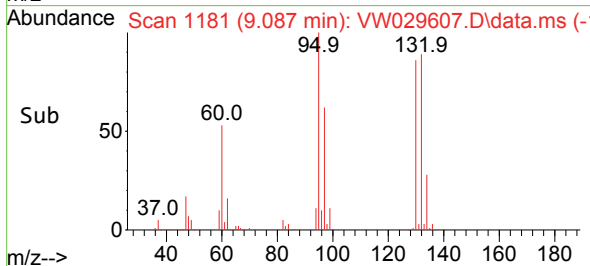
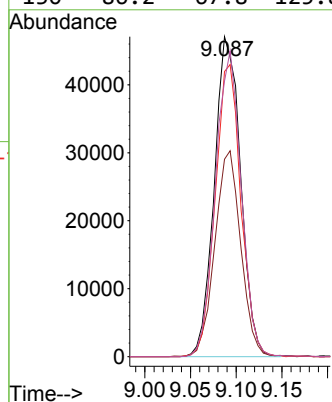
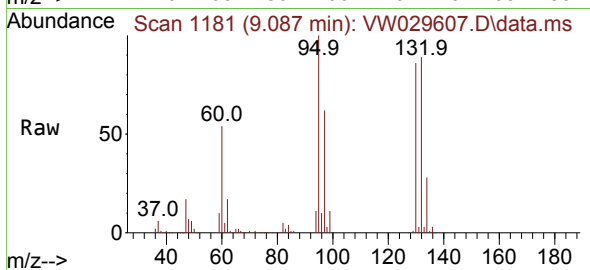
Ion Ratio Lower Upper

95 100

97 61.7 47.3 87.9

132 89.1 65.8 122.2

130 86.2 67.8 125.8



#35

Methylcyclohexane

Concen: 25.341 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

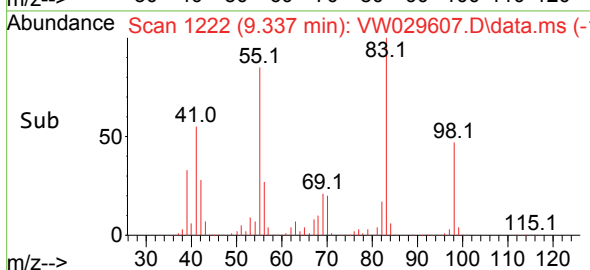
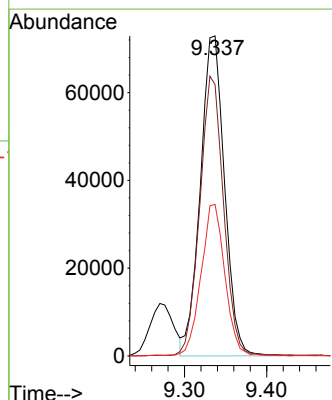
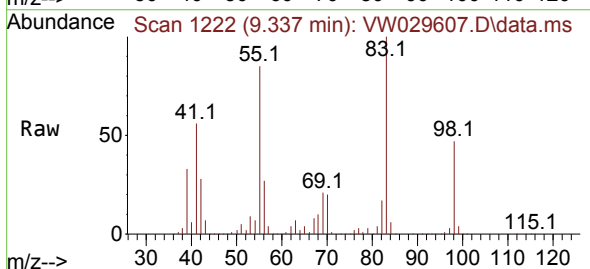
Tgt Ion: 83 Resp: 149292

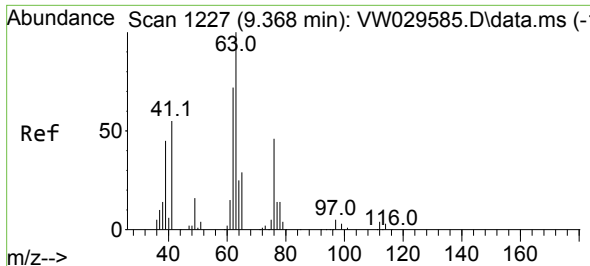
Ion Ratio Lower Upper

83 100

55 85.4 69.6 104.4

98 46.7 38.3 57.5

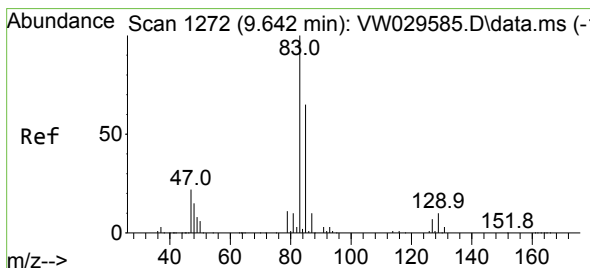
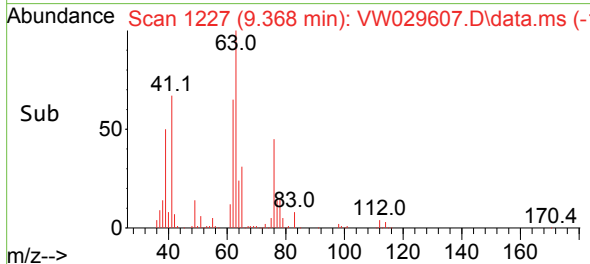
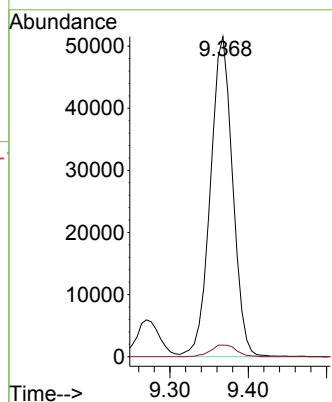
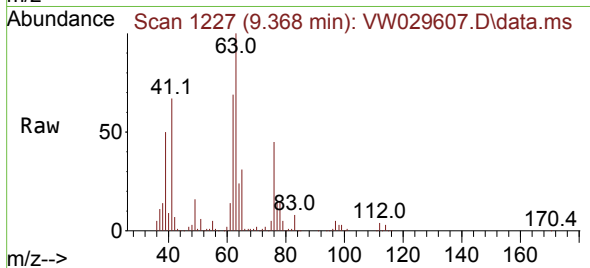




#37
1,2-Dichloropropane
Concen: 26.518 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

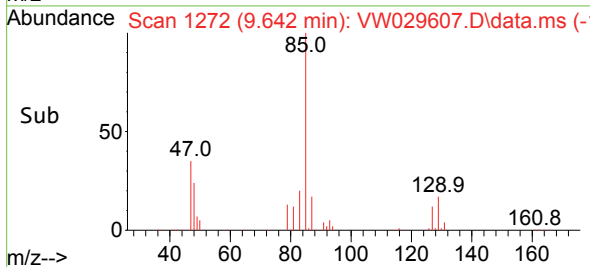
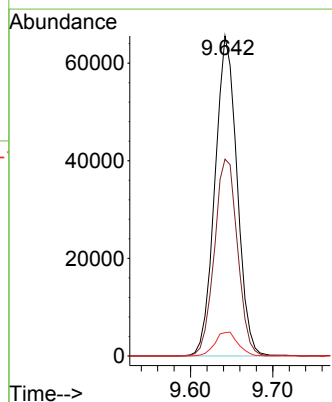
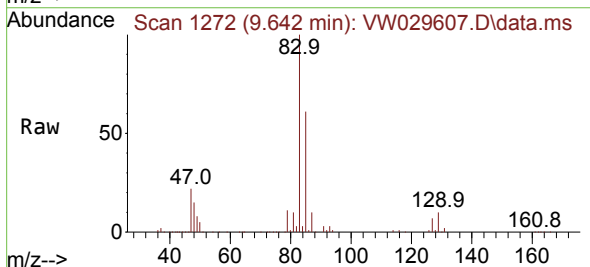
Instrument :
MSVOA_W
ClientSampleId :

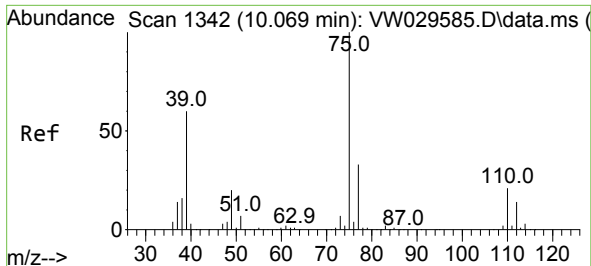
Tgt Ion: 63 Resp: 101781
Ion Ratio Lower Upper
63 100
112 4.2 3.3 4.9



#38
Bromodichloromethane
Concen: 26.180 ug/L
RT: 9.642 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Tgt Ion: 83 Resp: 122734
Ion Ratio Lower Upper
83 100
85 61.5 46.1 85.5
127 7.3 6.1 9.1

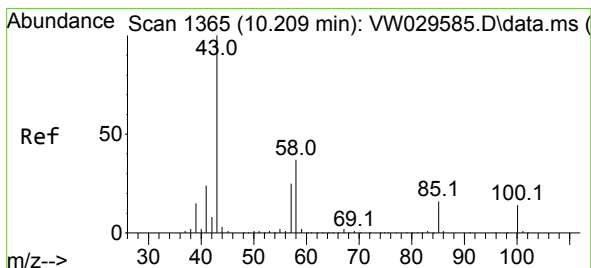
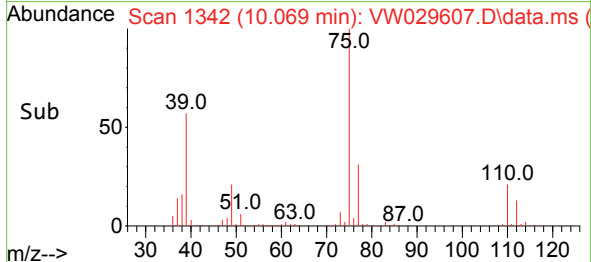
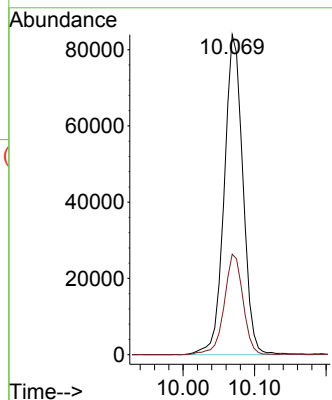
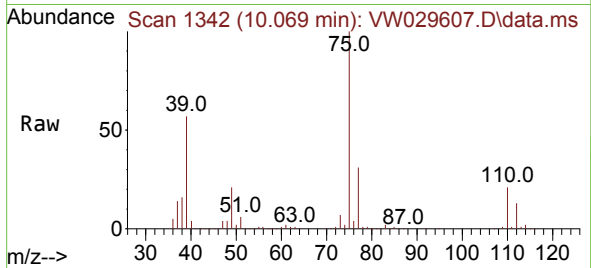




#39
cis-1,3-Dichloropropene
Concen: 26.407 ug/L
RT: 10.069 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

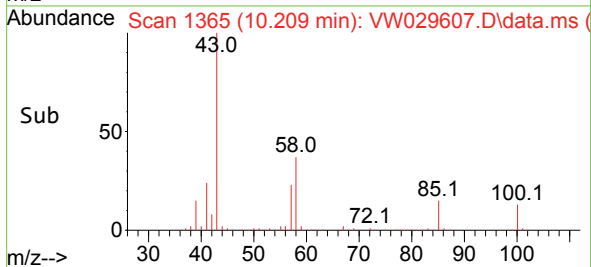
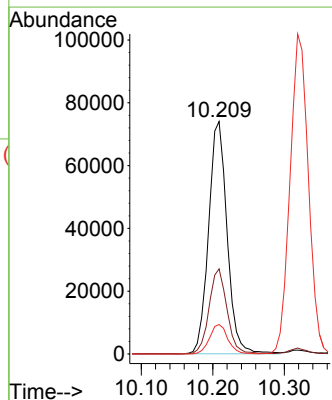
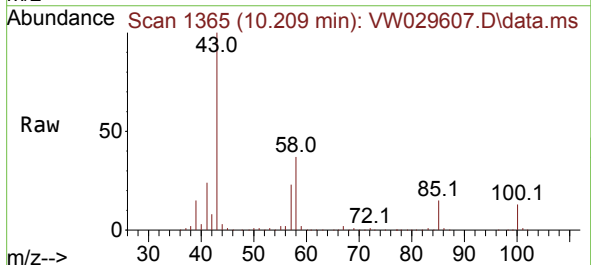
Instrument :
MSVOA_W
ClientSampleId :

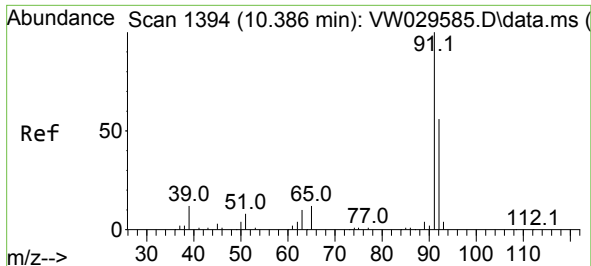
Tgt Ion: 75 Resp: 152234
Ion Ratio Lower Upper
75 100
77 31.4 22.2 41.2



#40
4-Methyl-2-pentanone
Concen: 49.162 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Tgt Ion: 43 Resp: 132985
Ion Ratio Lower Upper
43 100
58 35.7 29.0 43.6
100 12.5 10.5 15.7

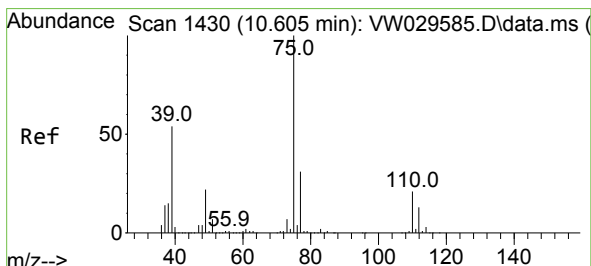
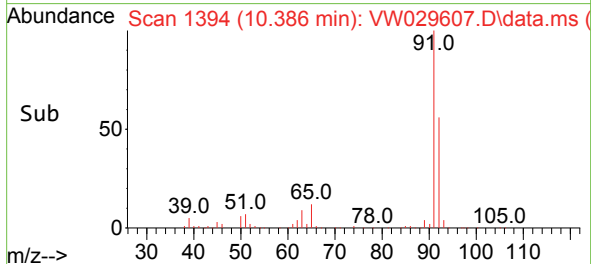
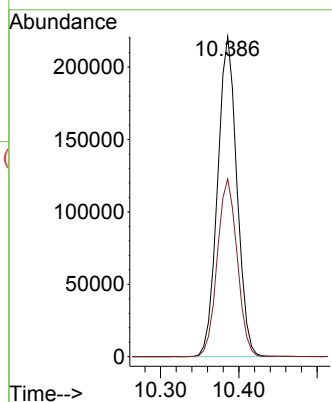
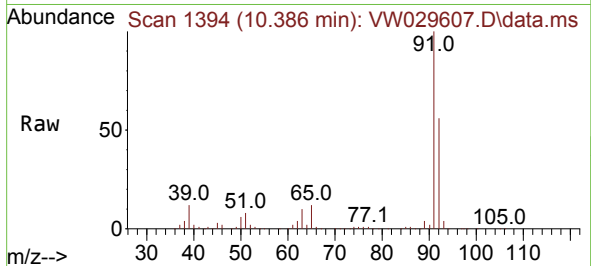




#42
Toluene
Concen: 26.707 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

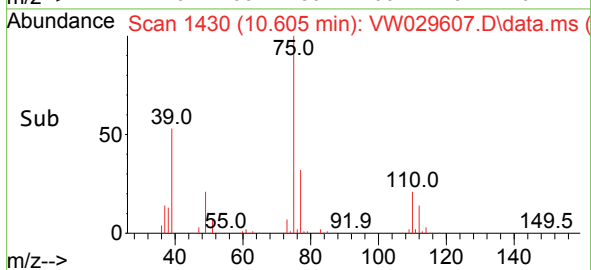
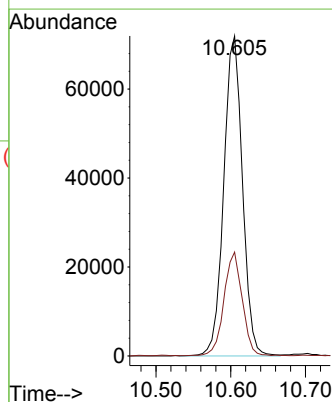
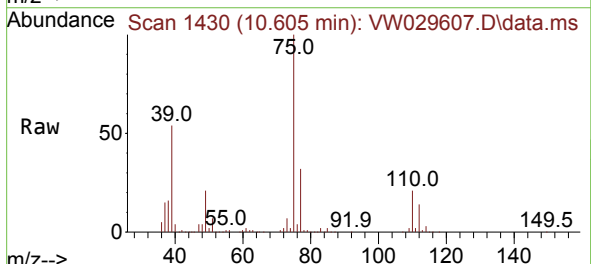
Instrument :
MSVOA_W
ClientSampleId :

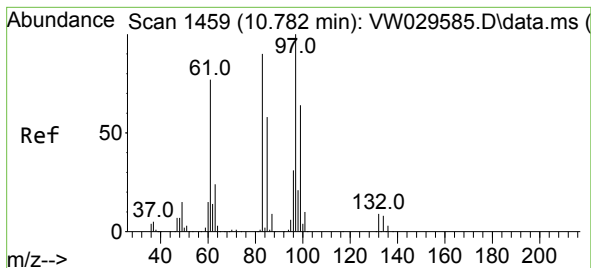
Tgt Ion: 91 Resp: 379227
Ion Ratio Lower Upper
91 100
92 55.5 41.1 76.3



#44
trans-1,3-Dichloropropene
Concen: 25.384 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Tgt Ion: 75 Resp: 125424
Ion Ratio Lower Upper
75 100
77 32.5 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 24.973 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 68936

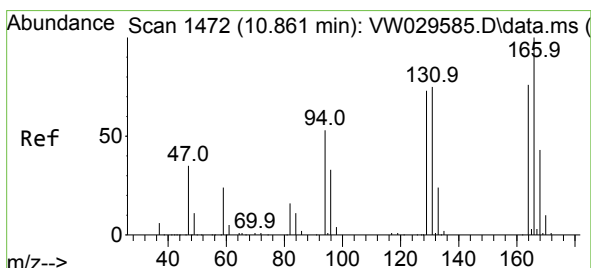
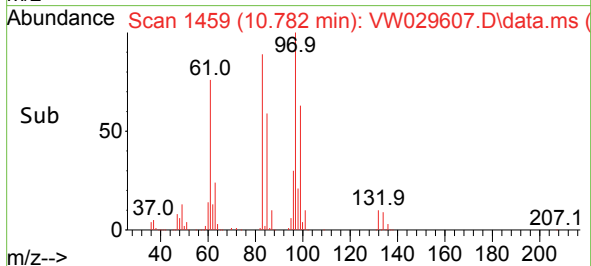
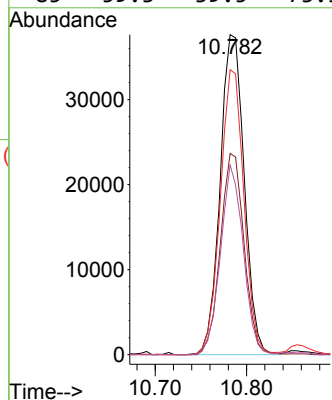
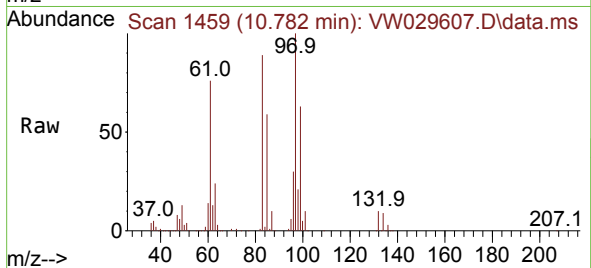
Ion Ratio Lower Upper

97 100

99 62.9 43.8 81.4

83 89.1 60.3 111.9

85 59.3 39.5 73.3



#46

Tetrachloroethene

Concen: 25.459 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Tgt Ion:164 Resp: 66297

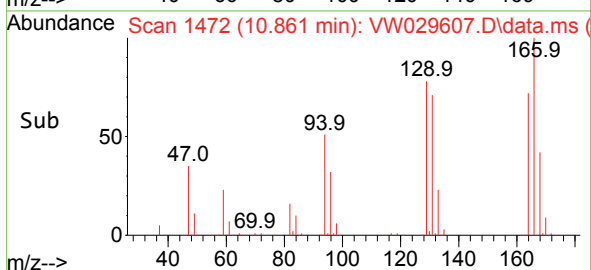
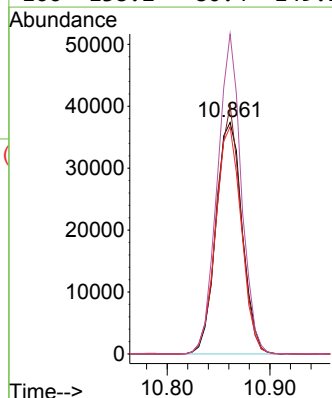
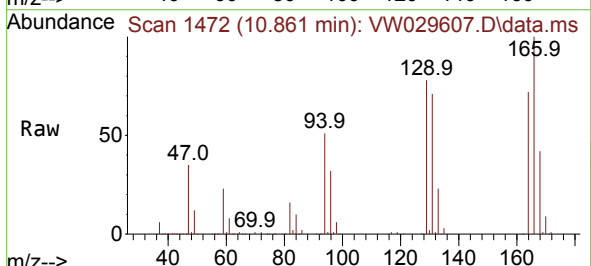
Ion Ratio Lower Upper

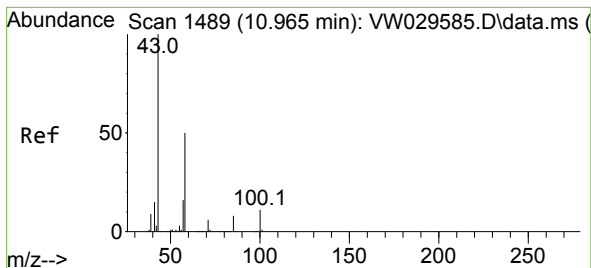
164 100

129 107.3 60.0 111.4

131 98.1 64.6 120.0

166 138.2 80.4 149.2





#48

2-Hexanone

Concen: 52.677 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

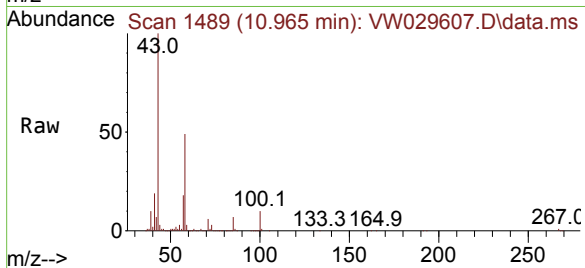
Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 107051

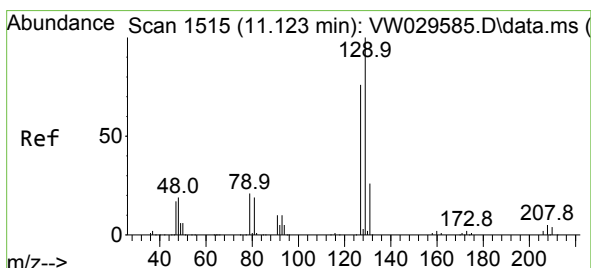
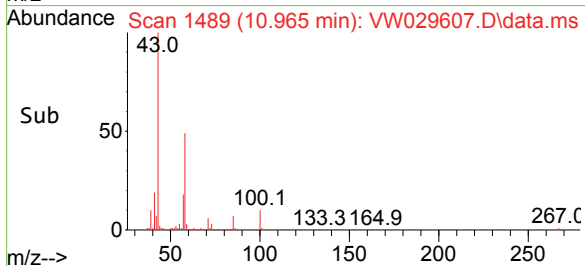
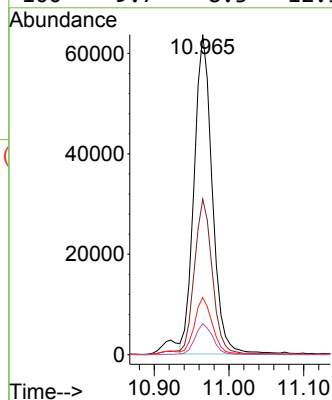
Ion Ratio Lower Upper

43 100

58 49.4 39.8 59.8

57 17.9 14.6 21.8

100 9.7 8.3 12.5



#49

Dibromochloromethane

Concen: 25.579 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VW029607.D

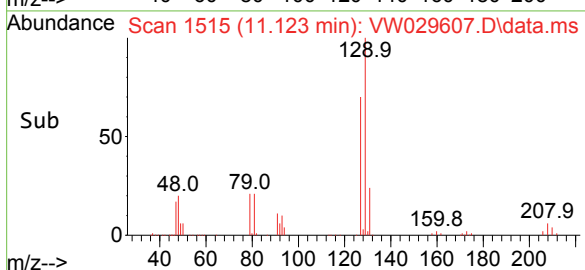
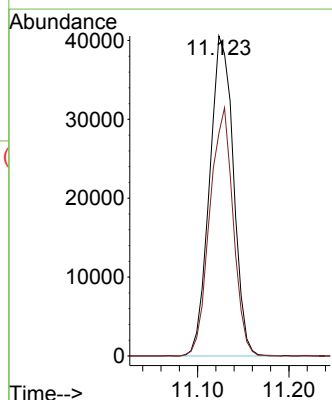
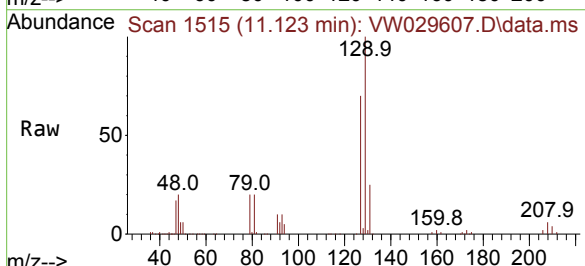
Acq: 17 Jul 2024 09:36

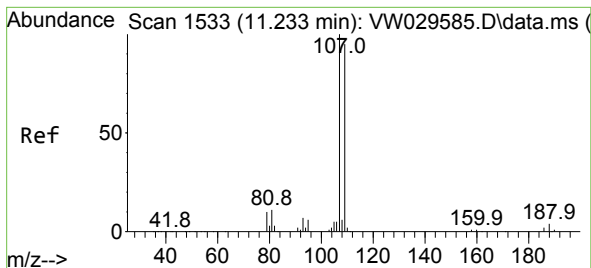
Tgt Ion: 129 Resp: 73481

Ion Ratio Lower Upper

129 100

127 69.6 51.9 96.3

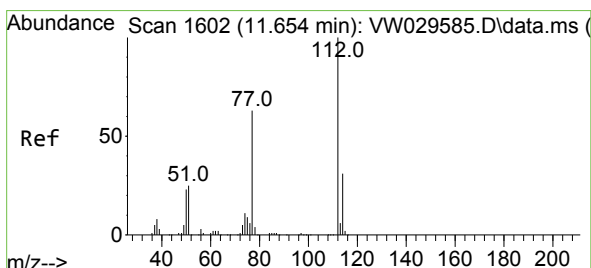
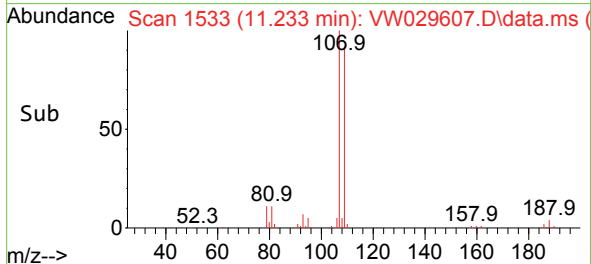
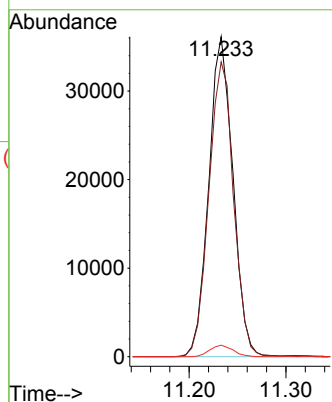
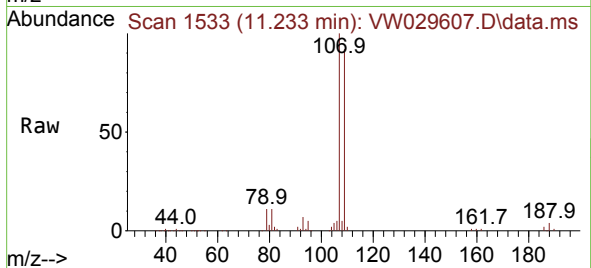




#50
1,2-Dibromoethane
Concen: 23.831 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

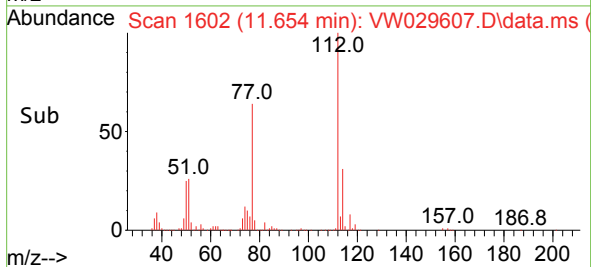
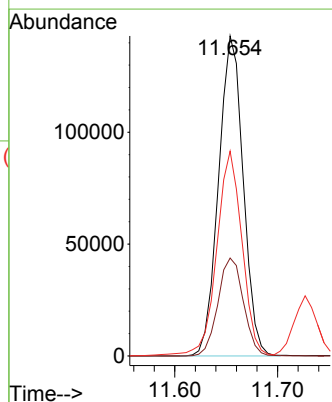
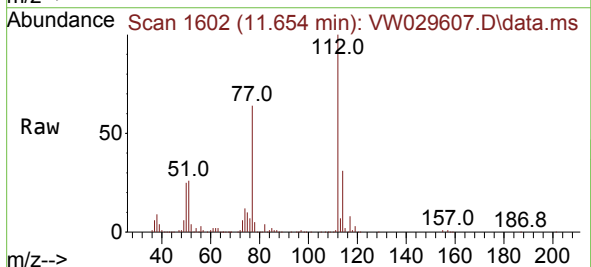
Instrument :
MSVOA_W
ClientSampleId :

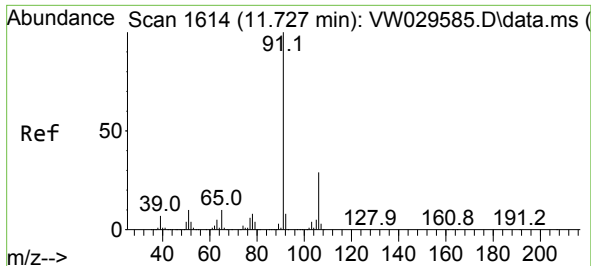
Tgt Ion:107 Resp: 62689
Ion Ratio Lower Upper
107 100
109 92.1 63.2 117.4
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 25.941 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

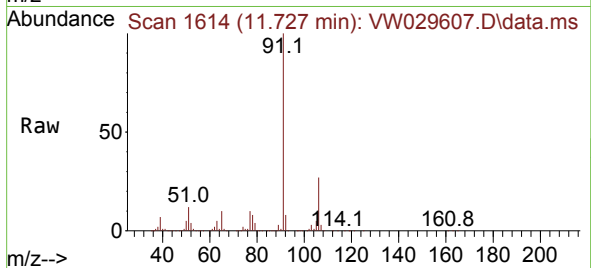
Tgt Ion:112 Resp: 238121
Ion Ratio Lower Upper
112 100
114 30.6 22.6 42.0
77 64.0 49.9 74.9



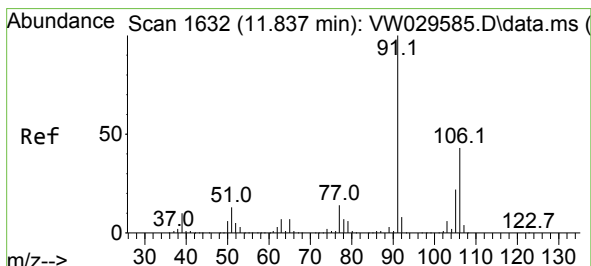
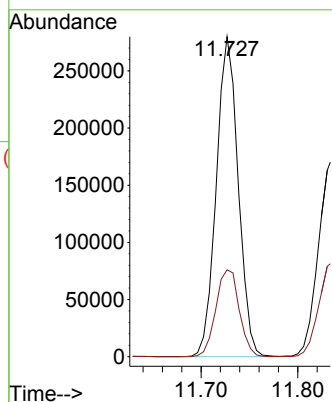
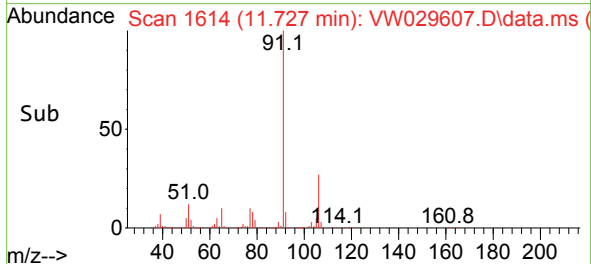


#52
Ethylbenzene
Concen: 27.304 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Instrument :
MSVOA_W
ClientSampleId :

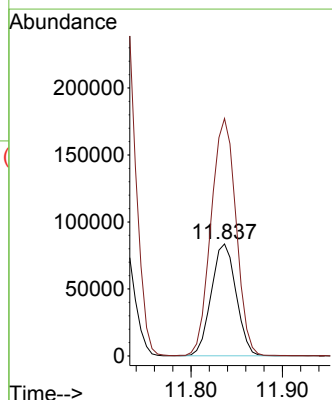
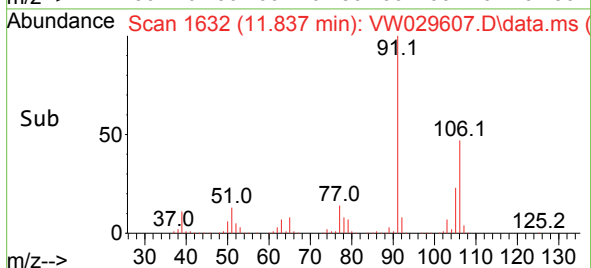
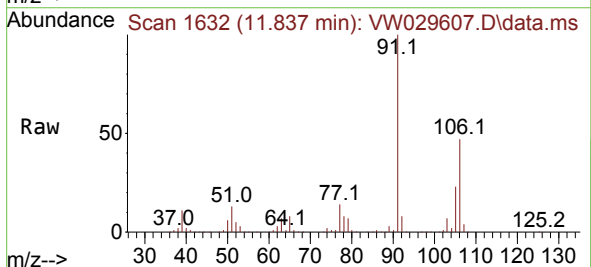


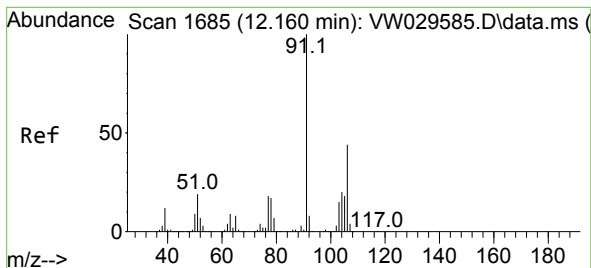
Tgt Ion: 91 Resp: 439262
Ion Ratio Lower Upper
91 100
106 27.1 20.2 37.6



#53
m,p-Xylene
Concen: 26.739 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Tgt Ion:106 Resp: 157918
Ion Ratio Lower Upper
106 100
91 212.0 149.3 277.3





#54

o-Xylene

Concen: 27.663 ug/L

RT: 12.160 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

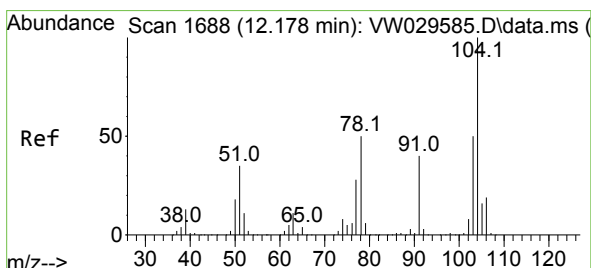
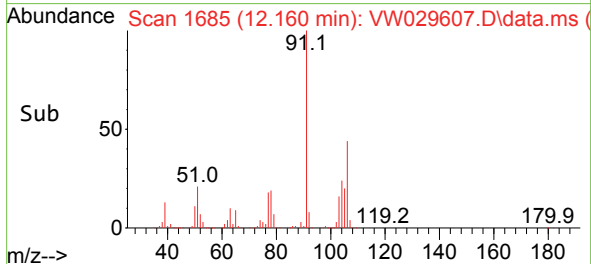
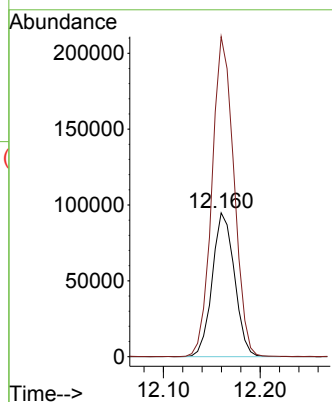
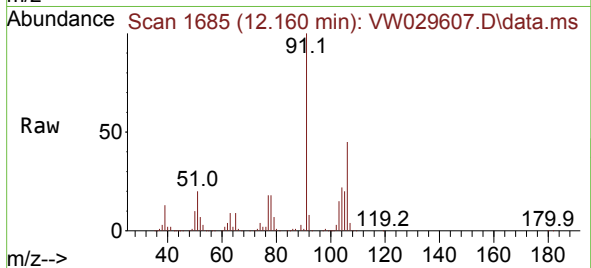
ClientSampleId :

Tgt Ion:106 Resp: 151104

Ion Ratio Lower Upper

106 100

91 222.4 159.2 295.6



#55

Styrene

Concen: 26.750 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW029607.D

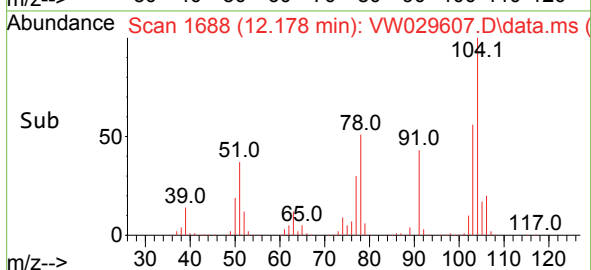
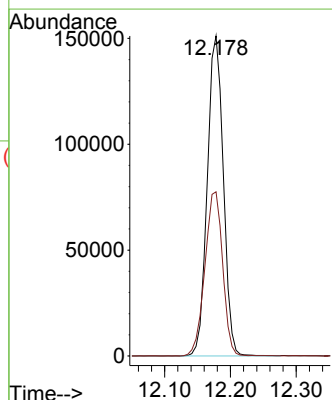
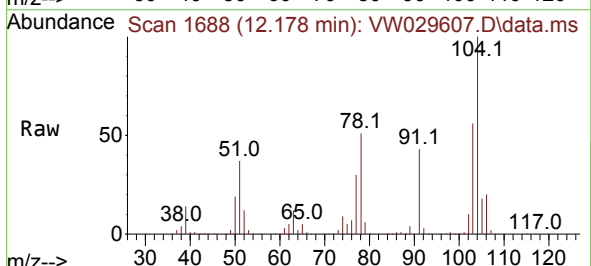
Acq: 17 Jul 2024 09:36

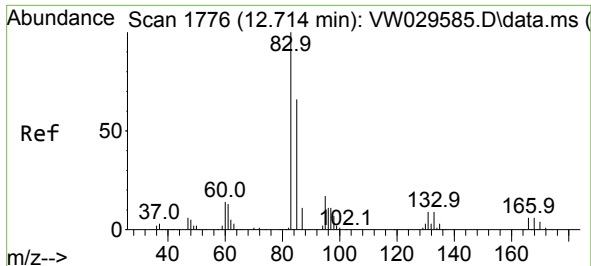
Tgt Ion:104 Resp: 256937

Ion Ratio Lower Upper

104 100

78 51.3 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 23.728 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW029607.D

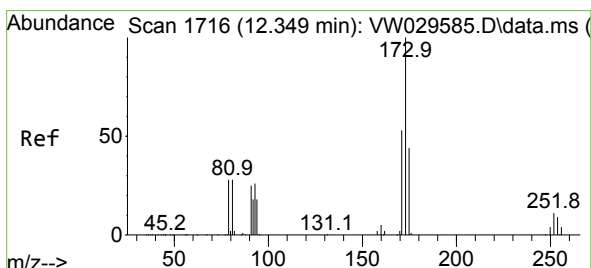
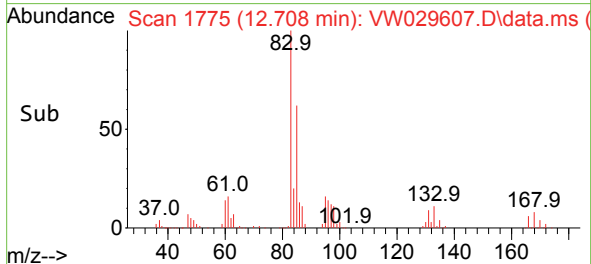
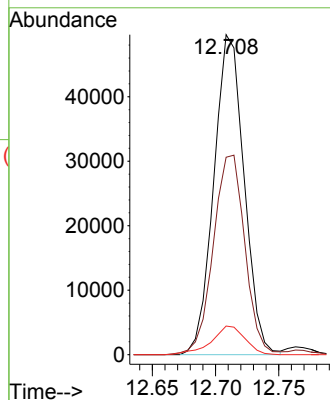
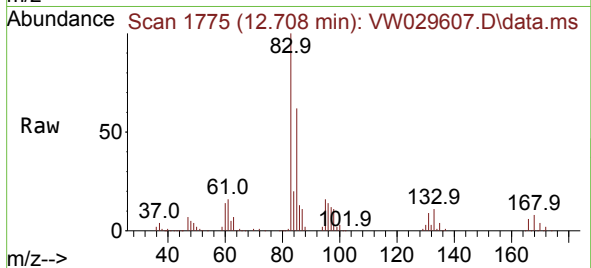
Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	82619
Ion Ratio	Lower	Upper	
83	100		
85	61.7	45.4	84.4
131	9.0	6.4	9.6



#59

Bromoform

Concen: 24.313 ug/L

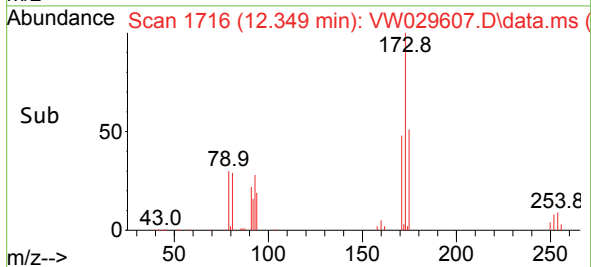
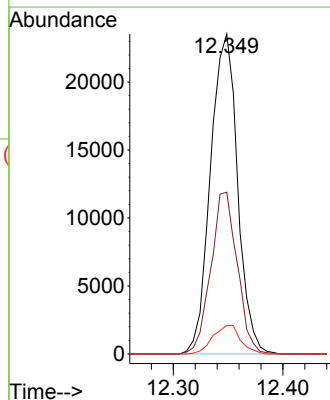
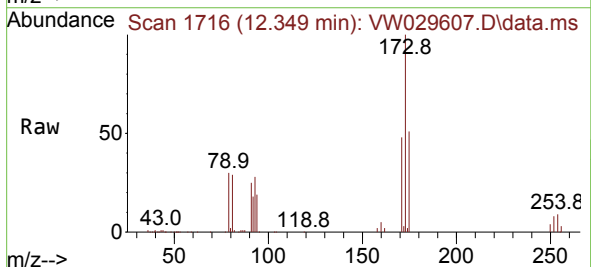
RT: 12.349 min Scan# 1716

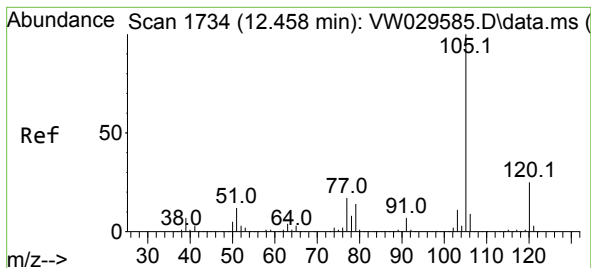
Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Tgt Ion:	173	Resp:	40434
Ion Ratio	Lower	Upper	
173	100		
175	49.2	40.4	60.6
254	9.1	8.8	13.2





#60

Isopropylbenzene

Concen: 27.211 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :

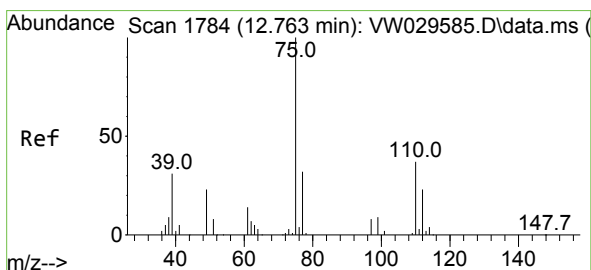
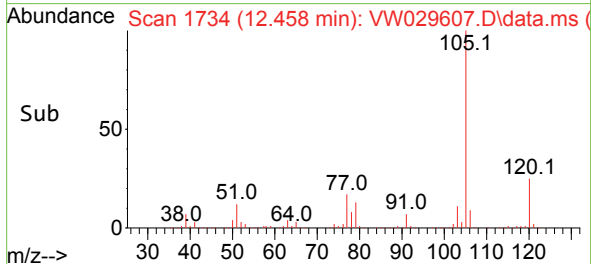
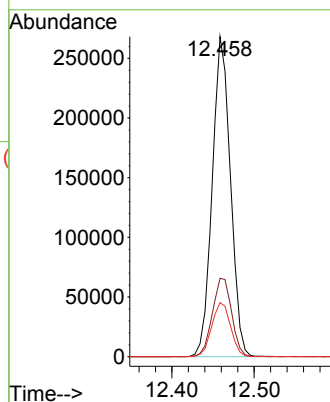
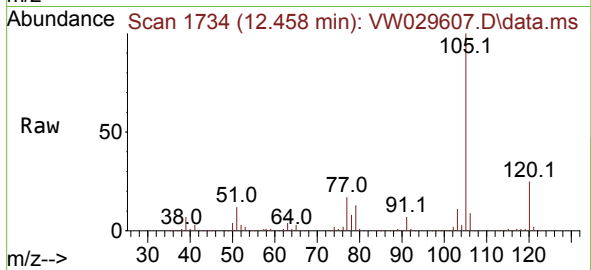
Tgt Ion:105 Resp: 412480

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.4

77 17.5 13.6 20.4



#61

1,2,3-Trichloropropane

Concen: 23.614 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

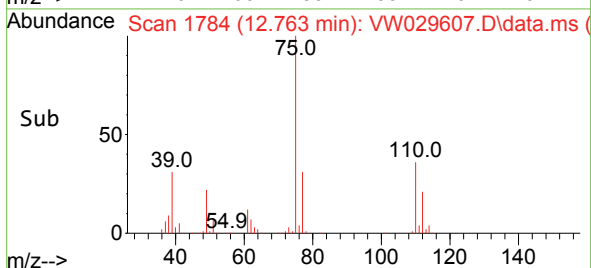
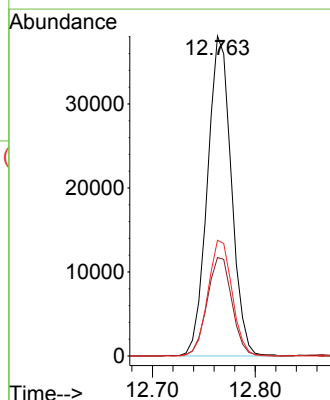
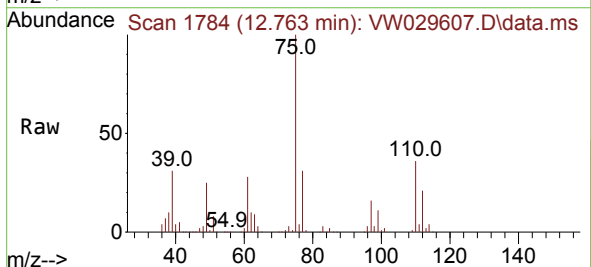
Tgt Ion: 75 Resp: 61570

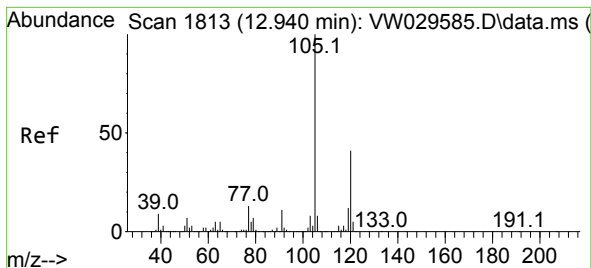
Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

110 36.5 29.1 43.7





#62

1,3,5-Trimethylbenzene

Concen: 28.891 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

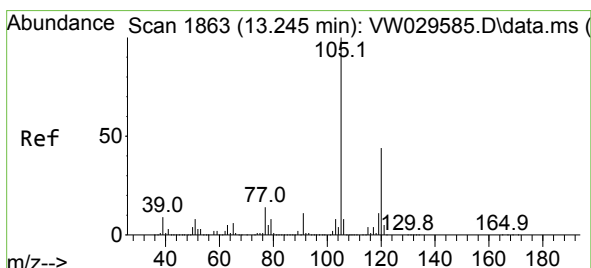
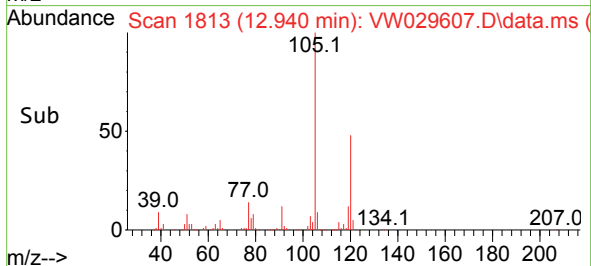
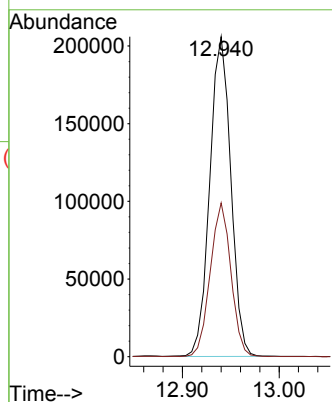
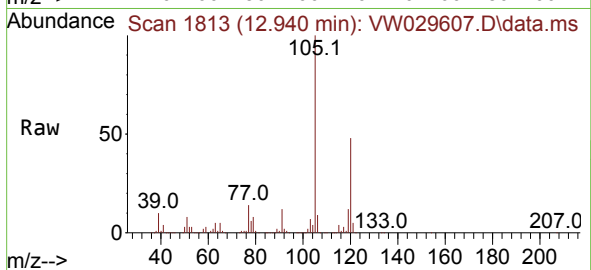
ClientSampleId :

Tgt Ion:105 Resp: 311529

Ion Ratio Lower Upper

105 100

120 47.2 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 28.697 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW029607.D

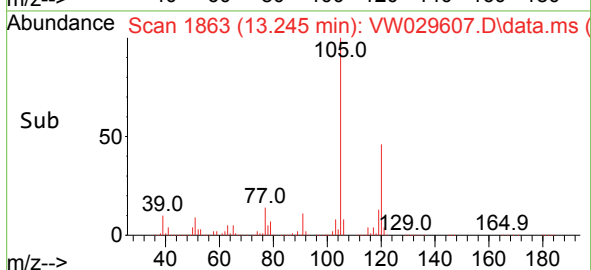
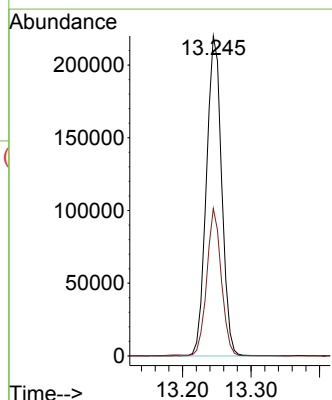
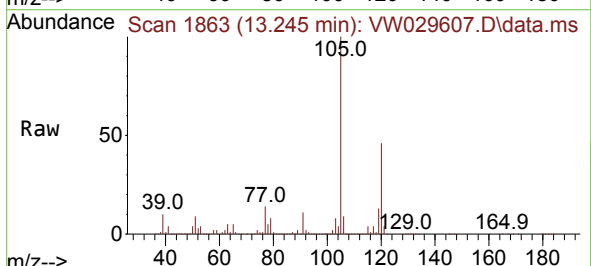
Acq: 17 Jul 2024 09:36

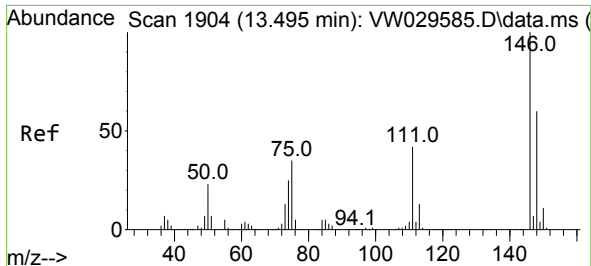
Tgt Ion:105 Resp: 341515

Ion Ratio Lower Upper

105 100

120 43.5 34.7 52.1

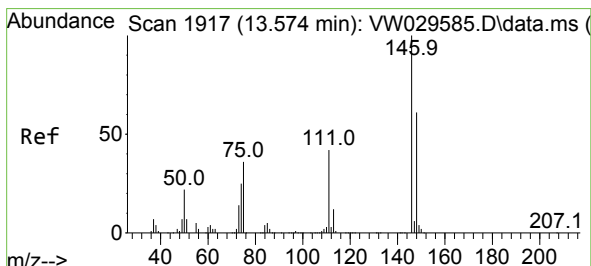
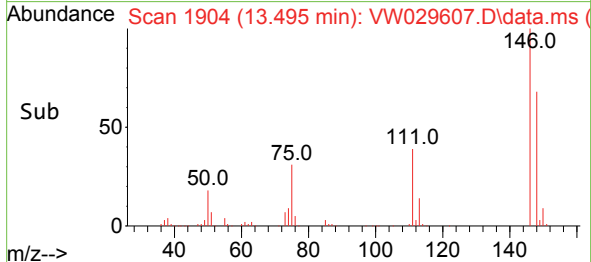
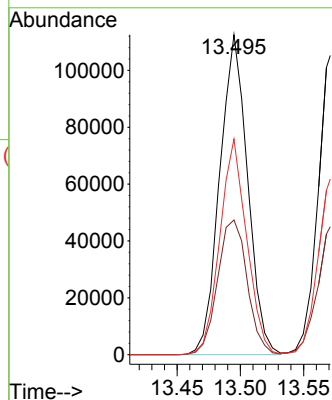
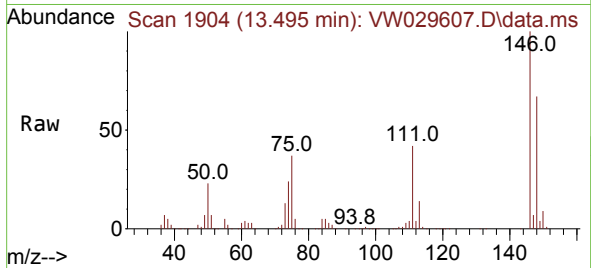




#64
1,3-Dichlorobenzene
Concen: 25.393 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

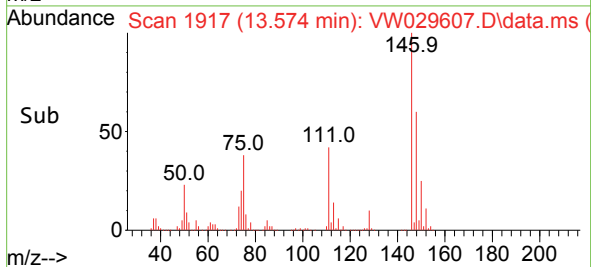
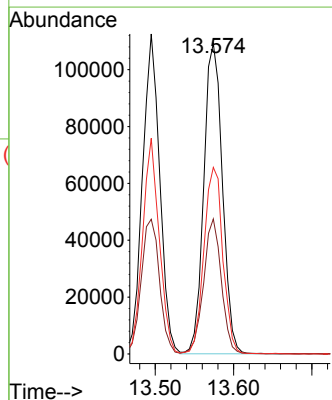
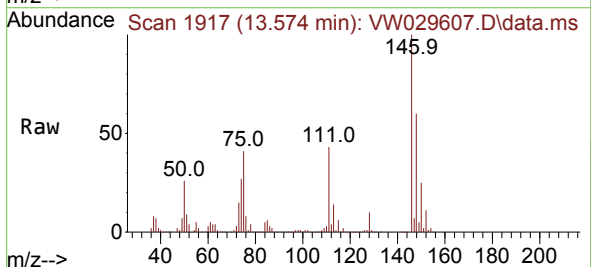
Instrument :
MSVOA_W
ClientSampleId :

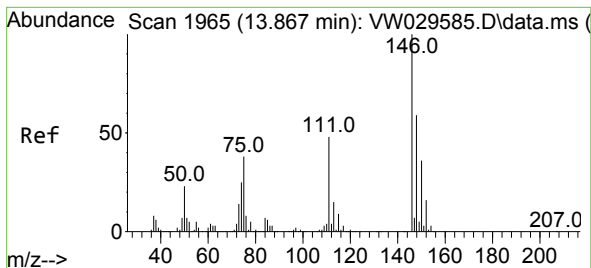
Tgt Ion:146 Resp: 172537
Ion Ratio Lower Upper
146 100
111 42.1 28.6 53.2
148 67.4 43.0 80.0



#65
1,4-Dichlorobenzene
Concen: 25.818 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW029607.D
Acq: 17 Jul 2024 09:36

Tgt Ion:146 Resp: 179718
Ion Ratio Lower Upper
146 100
111 43.5 27.6 51.4
148 60.1 40.9 75.9





#67

1,2-Dichlorobenzene

Concen: 24.889 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :

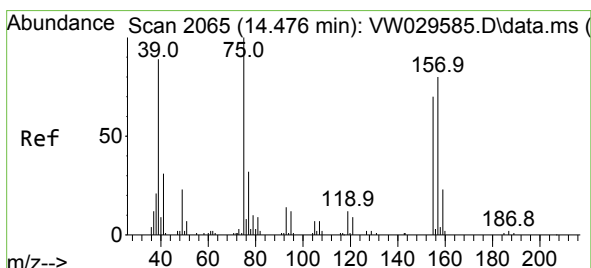
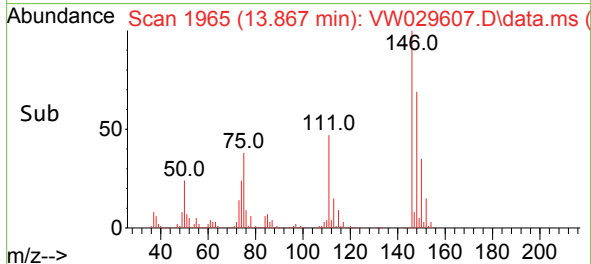
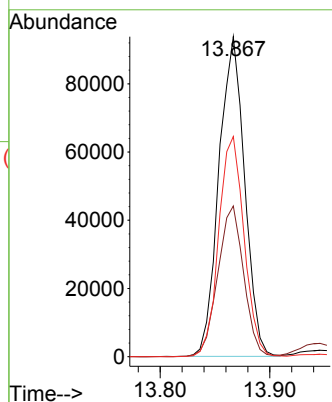
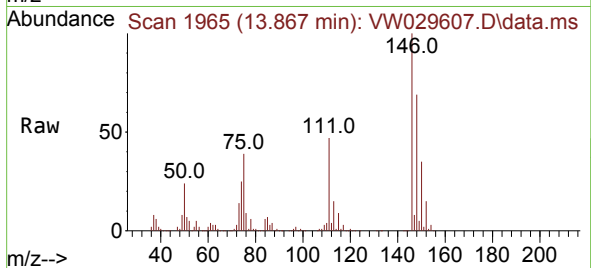
Tgt Ion:146 Resp: 152867

Ion Ratio Lower Upper

146 100

111 47.1 37.1 55.7

148 68.8 50.7 76.1



#68

1,2-Dibromo-3-chloropropane

Concen: 21.614 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

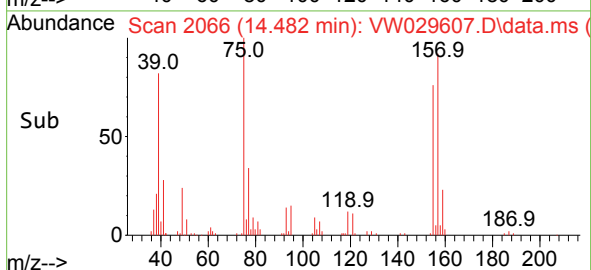
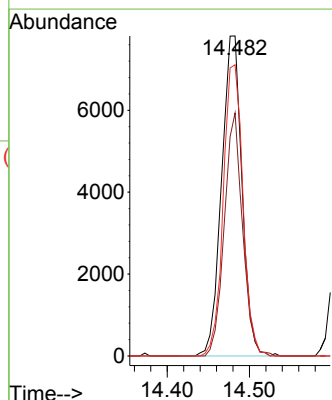
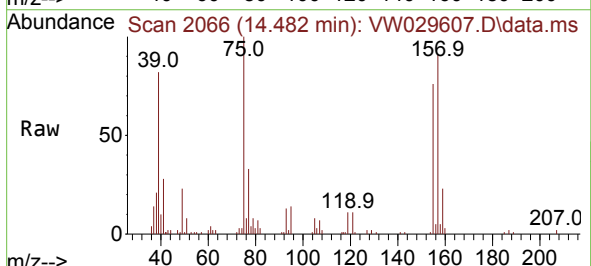
Tgt Ion: 75 Resp: 13473

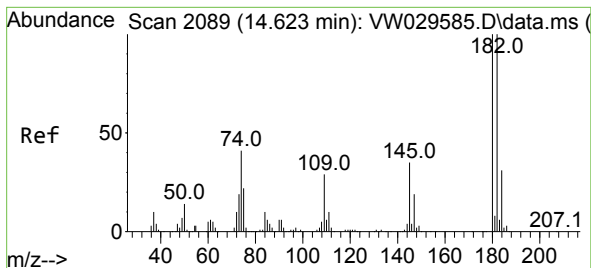
Ion Ratio Lower Upper

75 100

155 76.0 51.2 76.8

157 91.0 63.7 95.5





#69

1,3,5-Trichlorobenzene

Concen: 26.895 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

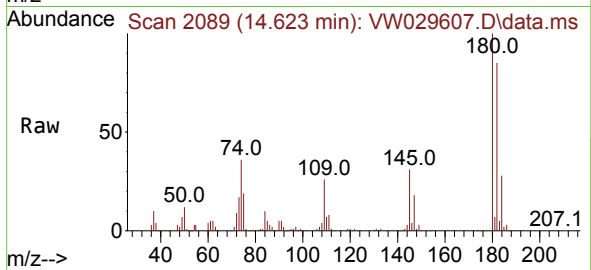
Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 119213

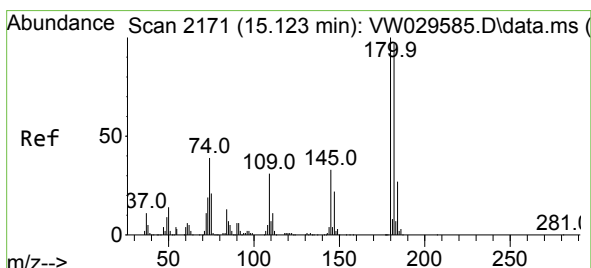
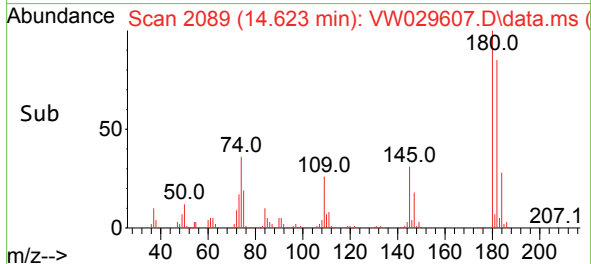
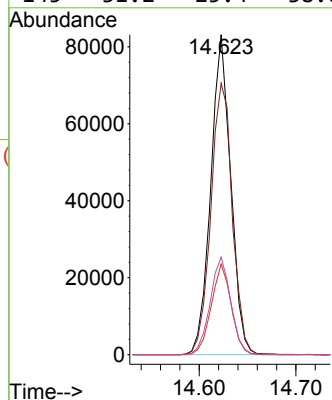
Ion Ratio Lower Upper

180 100

182 91.0 77.9 116.9

184 28.5 24.4 36.6

145 31.2 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 24.257 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

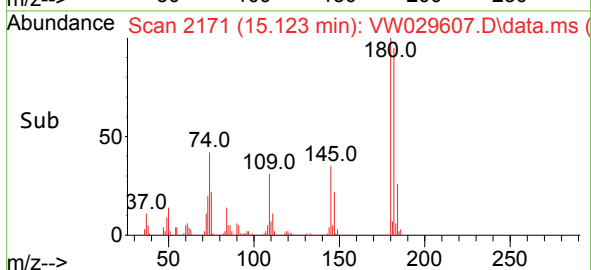
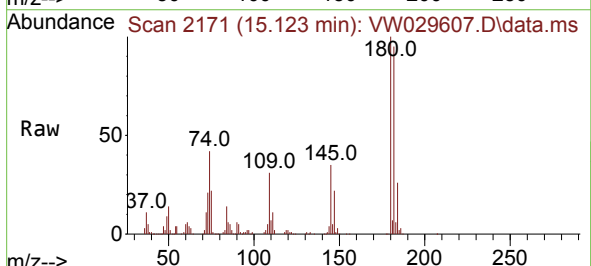
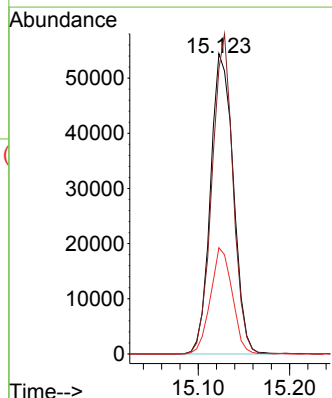
Tgt Ion:180 Resp: 94609

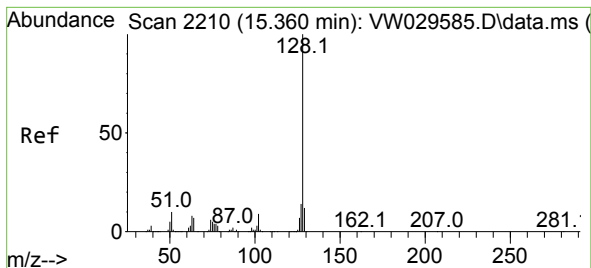
Ion Ratio Lower Upper

180 100

182 97.4 74.7 112.1

145 33.6 26.2 39.2





#71

Naphthalene

Concen: 22.760 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Instrument :

MSVOA_W

ClientSampleId :

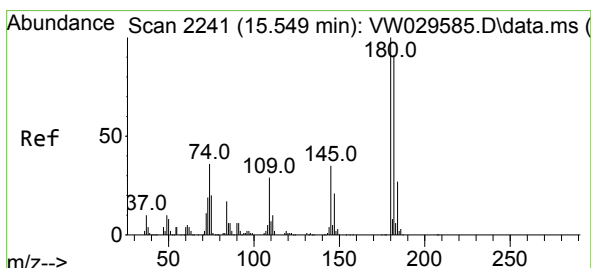
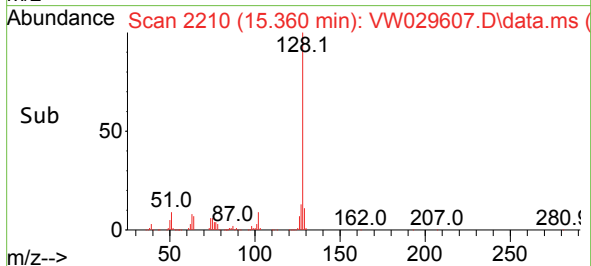
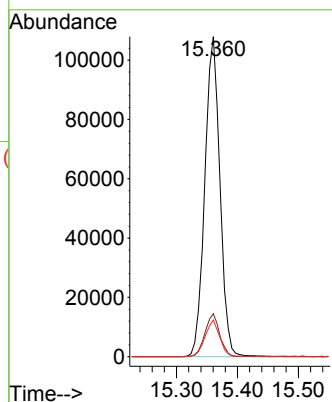
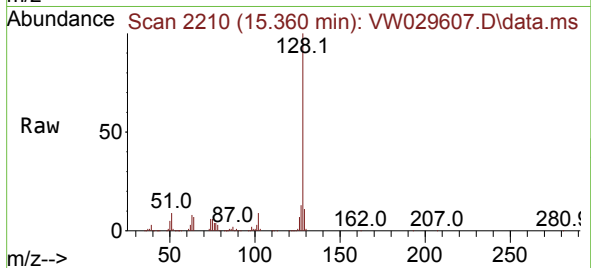
Tgt Ion:128 Resp: 186323

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.0 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 23.705 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW029607.D

Acq: 17 Jul 2024 09:36

Tgt Ion:180 Resp: 84000

Ion Ratio Lower Upper

180 100

182 96.5 73.4 110.0

145 34.4 26.9 40.3

