

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062024\
 Data File : VW029275.D
 Acq On : 20 Jun 2024 22:55
 Operator : SY/MD
 Sample : P2963-23MS
 Misc : 5.57g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4CS3MS

Quant Time: Jun 21 04:50:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 21 02:43:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	388313	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	302224	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	103858	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	101608	18.905	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.600%
7) Chloroethane-d5	2.899	69	89676	19.758	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.040%
11) 1,1-Dichloroethene-d2	4.021	65	49701	19.152	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.600%
21) 2-Butanone-d5	7.075	46	67938	42.249	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.500%
24) Chloroform-d	7.648	84	248043	21.413	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.640%
26) 1,2-Dichloroethane-d4	8.300	65	141506	21.277	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.120%
32) Benzene-d6	8.270	84	452595	24.655	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.640%
36) 1,2-Dichloropropane-d6	9.270	67	155208	26.598	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.400%
41) Toluene-d8	10.318	98	363535	22.384	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.520%
43) trans-1,3-Dichloroprop...	10.574	79	41848	17.796	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.200%
47) 2-Hexanone-d5	10.922	63	31217	34.126	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.260%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	111984	24.112	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.440%
66) 1,2-Dichlorobenzene-d4	13.848	152	84038	23.311	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	64869	17.123	ug/L	93
3) Chloromethane	2.222	50	90783	16.806	ug/L	100
5) Vinyl chloride	2.375	62	117606	18.958	ug/L	97
6) Bromomethane	2.789	94	44578	11.956	ug/L	91
8) Chloroethane	2.930	64	78241	20.621	ug/L	98
9) Trichlorofluoromethane	3.265	101	100261	20.847	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	99701	18.802	ug/L	94
12) 1,1-Dichloroethene	4.051	96	95640	21.256	ug/L	83
13) Acetone	4.124	43	49465	36.197	ug/L	96
14) Carbon disulfide	4.393	76	231710	15.775	ug/L	99
15) Methyl Acetate	4.673	43	31424	11.583	ug/L	99
16) Methylene chloride	4.923	84	140944	20.642	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	102950	20.603	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	212796	26.618	ug/L	98
19) 1,1-Dichloroethane	6.215	63	241334	22.362	ug/L	95
20) cis-1,2-Dichloroethene	7.167	96	118345	21.478	ug/L	97
22) 2-Butanone	7.167	43	69276	36.982	ug/L	98
23) Bromochloromethane	7.508	128	53641	21.868	ug/L	95
25) Chloroform	7.679	83	229477	21.776	ug/L	95

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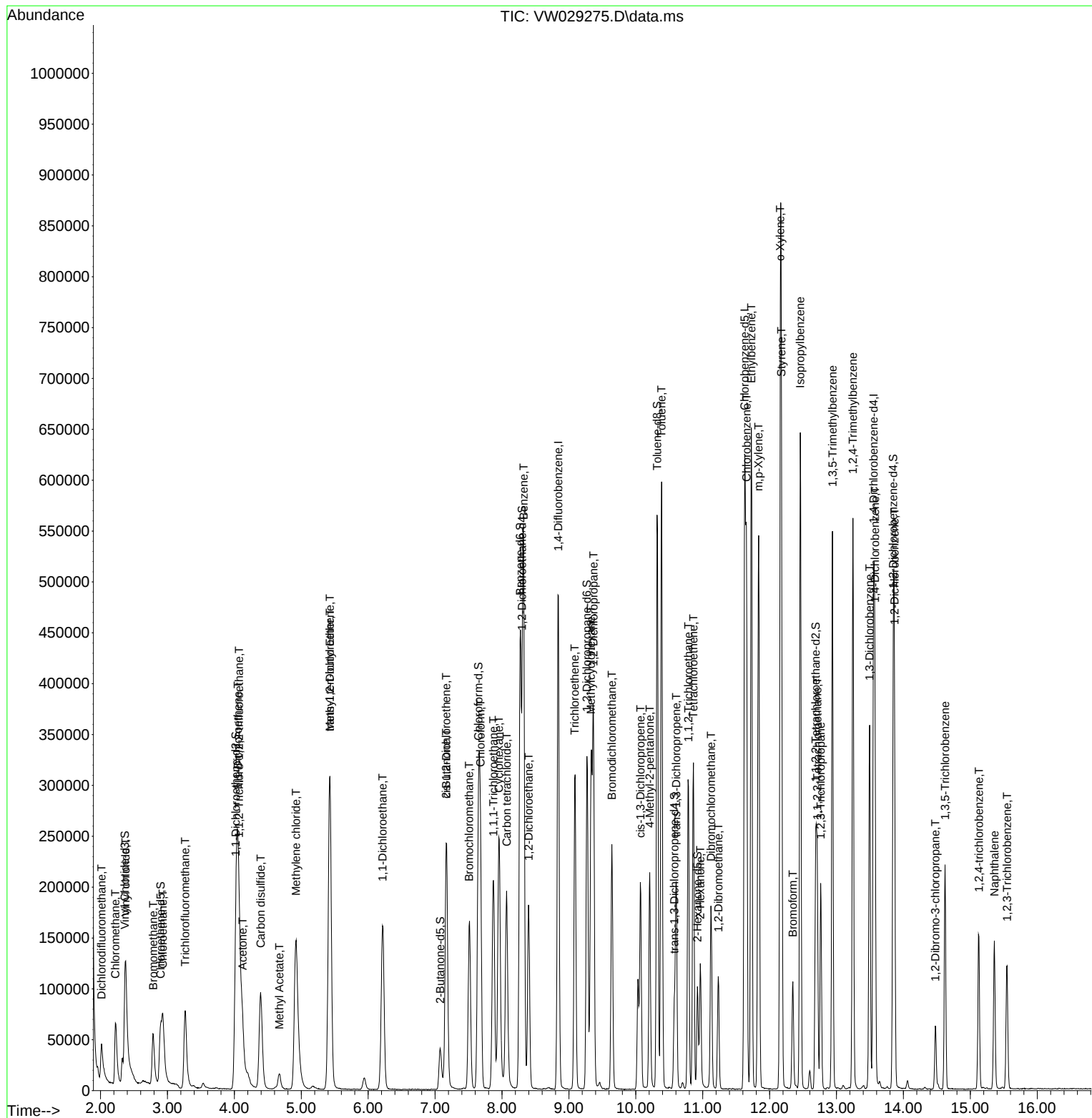
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	163721	21.065	ug/L	100
29) Cyclohexane	7.953	56	151045	21.862	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	170809	25.416	ug/L	96
31) Carbon tetrachloride	8.069	117	144300	23.505	ug/L	97
33) Benzene	8.325	78	448227	24.683	ug/L	100
34) Trichloroethene	9.087	95	110308	22.769	ug/L	95
35) Methylcyclohexane	9.331	83	124202	16.301	ug/L	99
37) 1,2-Dichloropropane	9.367	63	137379	26.923	ug/L	98
38) Bromodichloromethane	9.642	83	158178	25.354	ug/L	96
39) cis-1,3-Dichloropropene	10.068	75	116553	16.159	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	143699	45.436	ug/L	99
42) Toluene	10.385	91	419526	22.473	ug/L	94
44) trans-1,3-Dichloropropene	10.605	75	111219	18.261	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	93574	26.331	ug/L	97
46) Tetrachloroethene	10.861	164	65234	19.262	ug/L	95
48) 2-Hexanone	10.965	43	80779	35.995	ug/L	98
49) Dibromochloromethane	11.123	129	89762	24.163	ug/L	98
50) 1,2-Dibromoethane	11.233	107	73985	23.192	ug/L	100
51) Chlorobenzene	11.654	112	247095	20.383	ug/L	97
52) Ethylbenzene	11.727	91	445978	21.046	ug/L	92
53) m,p-Xylene	11.836	106	162053	20.936	ug/L	90
54) o-Xylene	12.160	106	160363	22.168	ug/L	93
55) Styrene	12.178	104	221251	17.542	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	106928	24.324	ug/L	97
59) Bromoform	12.349	173	42706	30.002	ug/L	92
60) Isopropylbenzene	12.458	105	396796	28.673	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	79581	35.130	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	267479	26.688	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	285143	26.443	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	135987	22.707	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	136796	21.469	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	123895	22.378	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.476	75	16210	30.663	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	60463	14.960	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	45936	14.020	ug/L	96
71) Naphthalene	15.360	128	114890	17.767	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	36852	12.344	ug/L	93

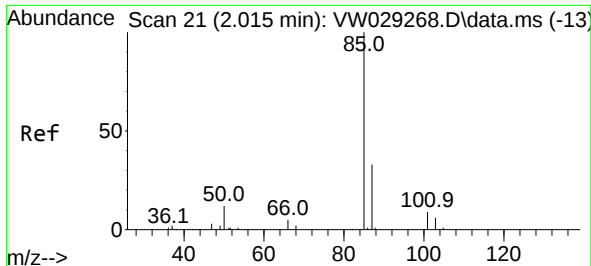
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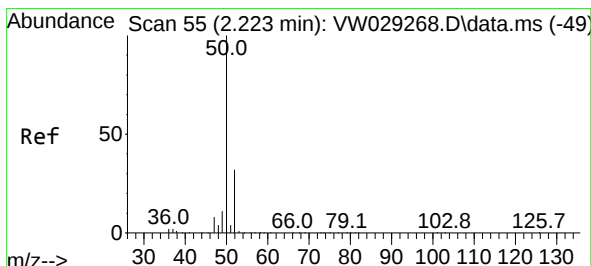
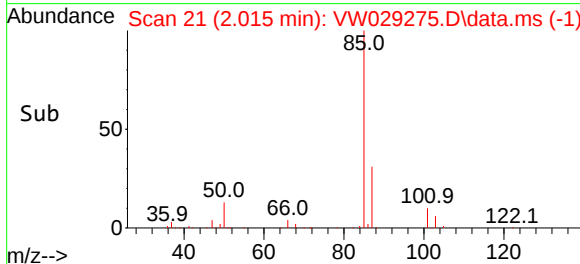
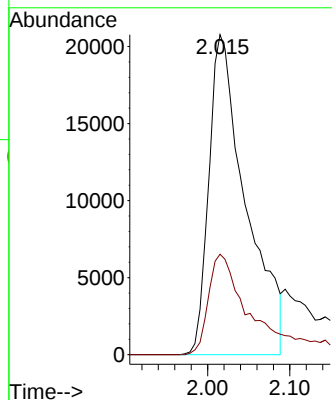
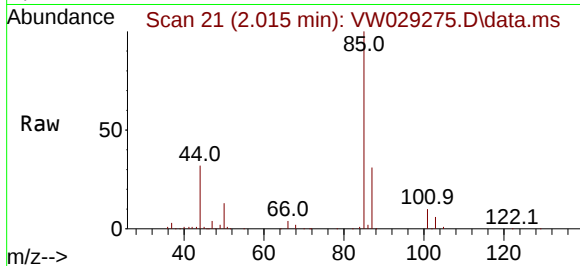




#2
Dichlorodifluoromethane
Concen: 17.123 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

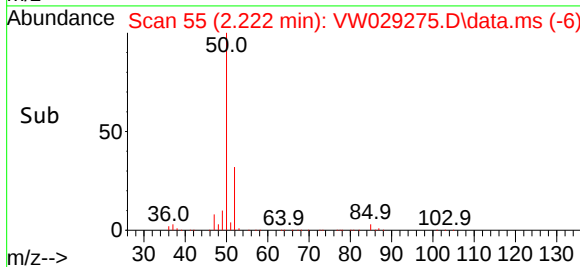
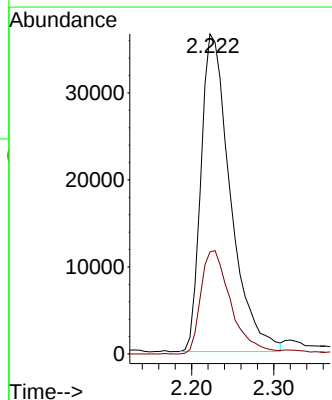
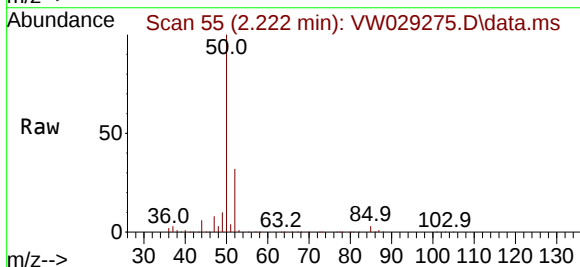
Instrument :
MSVOA_W
ClientSampleId :
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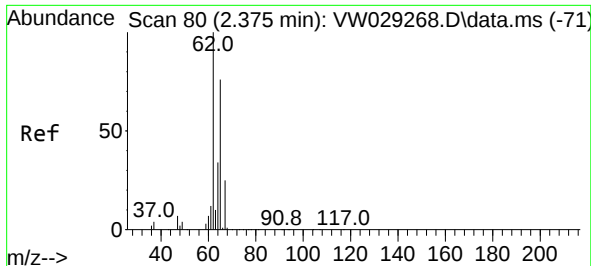
Tgt Ion: 85 Resp: 64869
Ion Ratio Lower Upper
85 100
87 33.5 23.8 35.6



#3
Chloromethane
Concen: 16.806 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion: 50 Resp: 90783
Ion Ratio Lower Upper
50 100
52 31.9 22.3 41.5

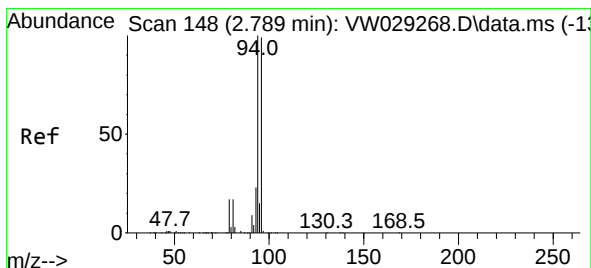
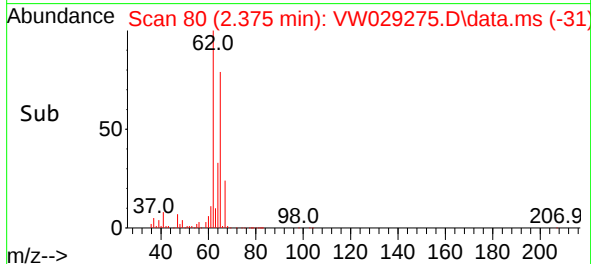
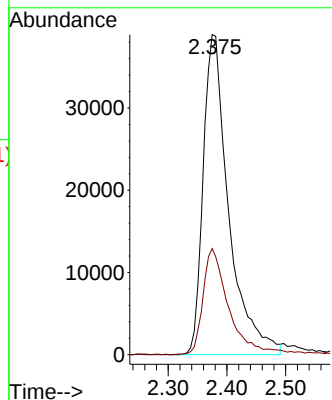
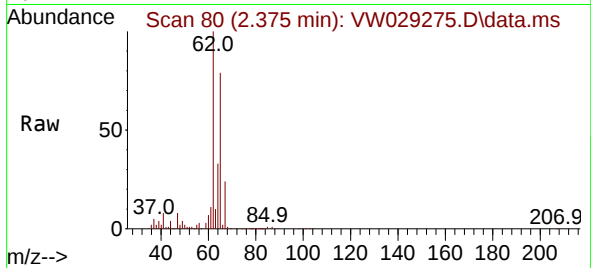




#5
 Vinyl chloride
 Concen: 18.958 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW029275.D
 Acq: 20 Jun 2024 22:55

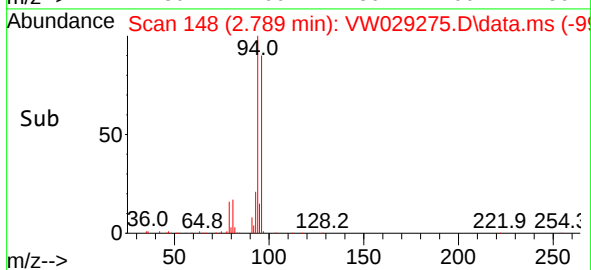
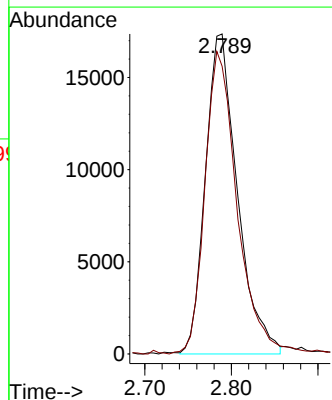
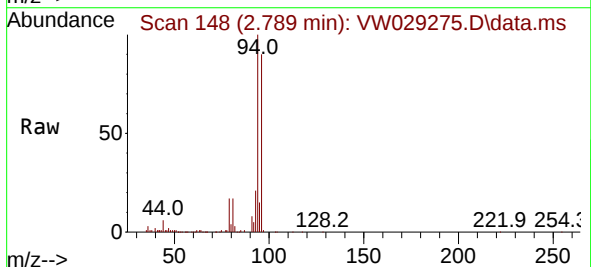
Instrument :
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 ClientSampleId :
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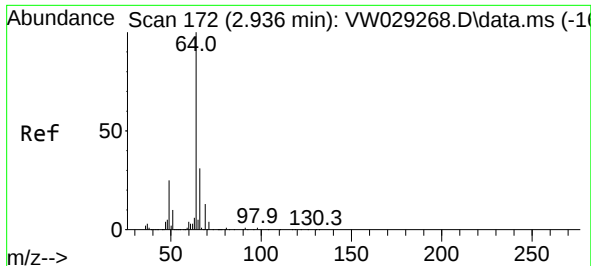
Tgt Ion: 62 Resp: 117606
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.0 40.8



#6
 Bromomethane
 Concen: 11.956 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW029275.D
 Acq: 20 Jun 2024 22:55

Tgt Ion: 94 Resp: 44578
 Ion Ratio Lower Upper
 94 100
 96 89.9 69.5 129.1

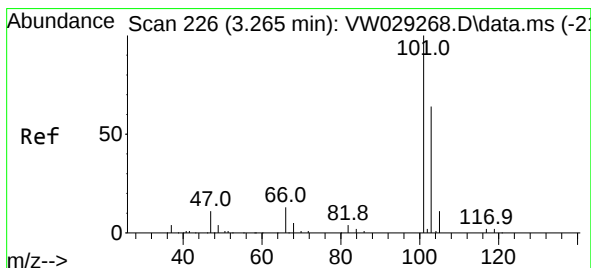
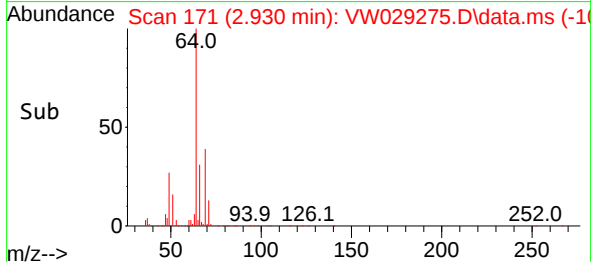
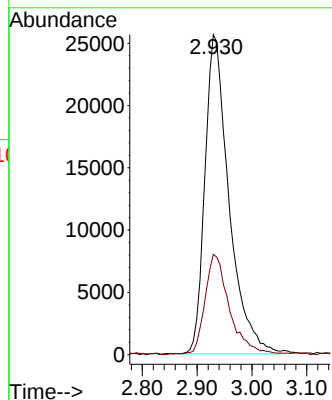
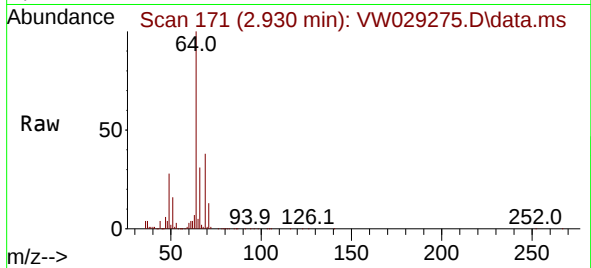




#8
Chloroethane
Concen: 20.621 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW029275.D
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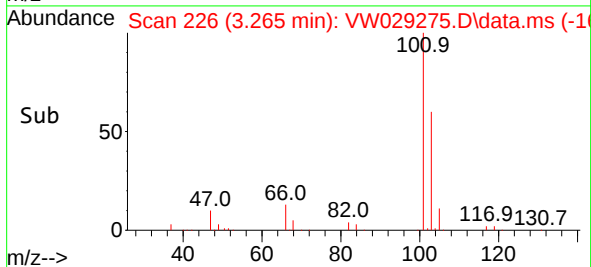
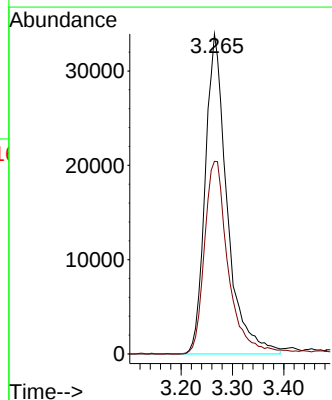
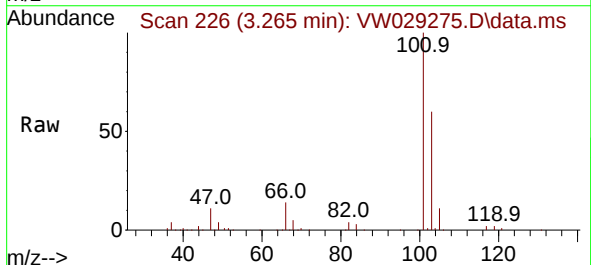
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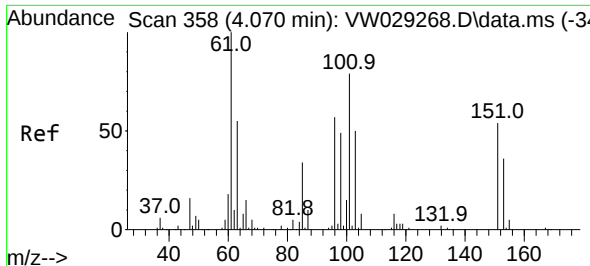
Tgt Ion: 64 Resp: 78241
Ion Ratio Lower Upper
64 100
66 31.3 22.5 41.9



#9
Trichlorofluoromethane
Concen: 20.847 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion:101 Resp: 100261
Ion Ratio Lower Upper
101 100
103 64.0 50.8 76.2

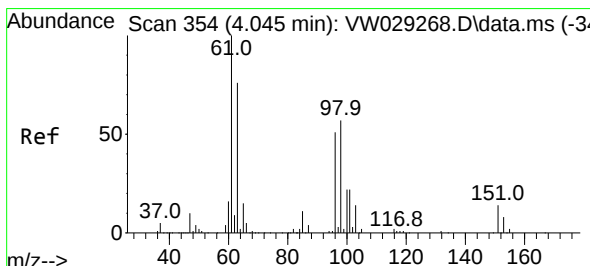
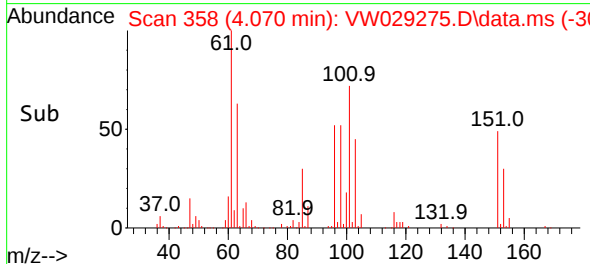
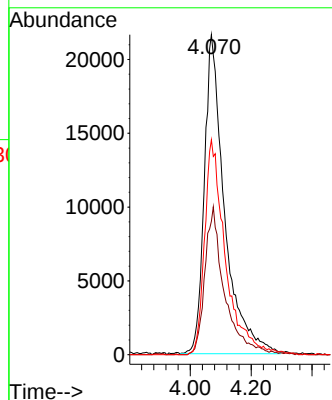
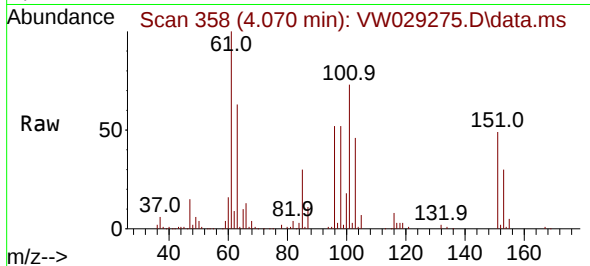




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 18.802 ug/L
 RT: 4.070 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VW029275.D
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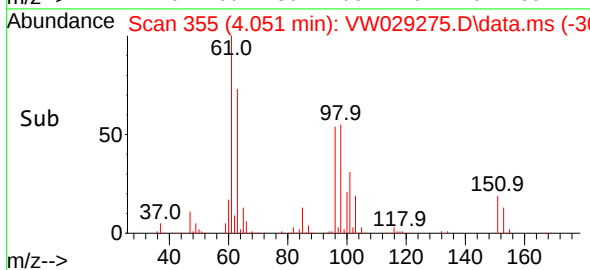
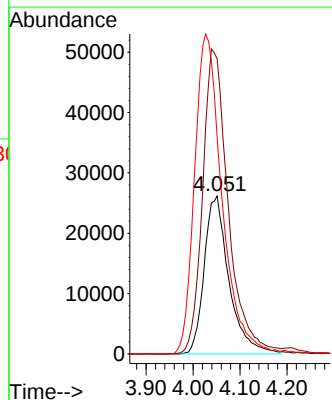
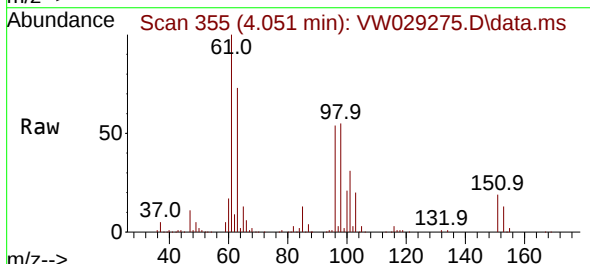
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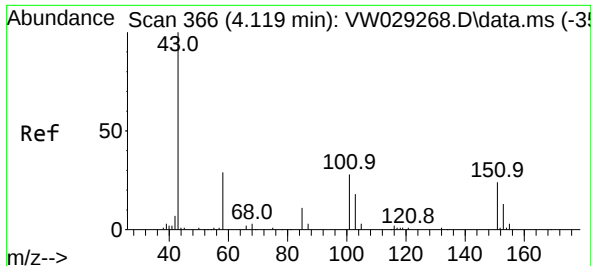
Tgt Ion:101 Resp: 99701
 Ion Ratio Lower Upper
 101 100
 85 43.9 30.2 45.2
 151 62.5 52.2 78.4



#12
 1,1-Dichloroethene
 Concen: 21.256 ug/L
 RT: 4.051 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW029275.D
 Acq: 20 Jun 2024 22:55

Tgt Ion: 96 Resp: 95640
 Ion Ratio Lower Upper
 96 100
 61 186.8 140.1 260.3
 63 137.0 122.0 226.6





#13

Acetone

Concen: 36.197 ug/L

RT: 4.124 min Scan# 367

Delta R.T. 0.006 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

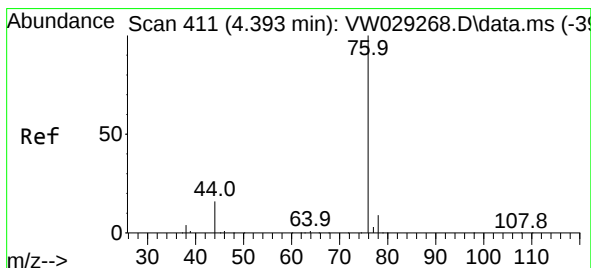
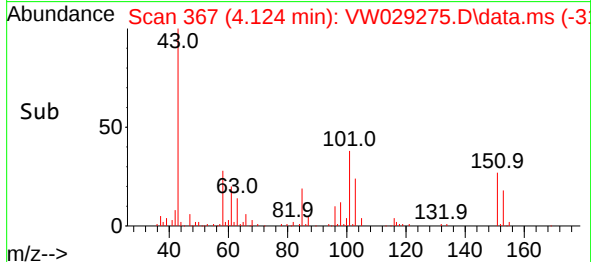
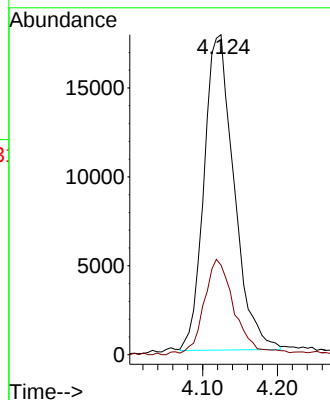
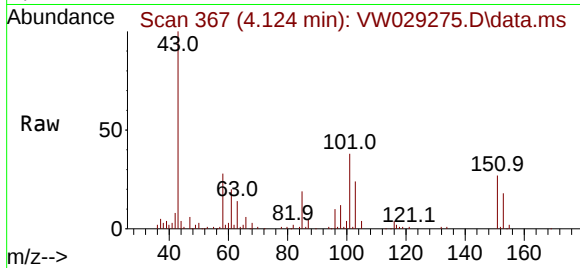
A4CS3MS

Tgt Ion: 43 Resp: 49465

Ion Ratio Lower Upper

43 100

58 28.4 0.0 61.4



#14

Carbon disulfide

Concen: 15.775 ug/L

RT: 4.393 min Scan# 411

Delta R.T. -0.000 min

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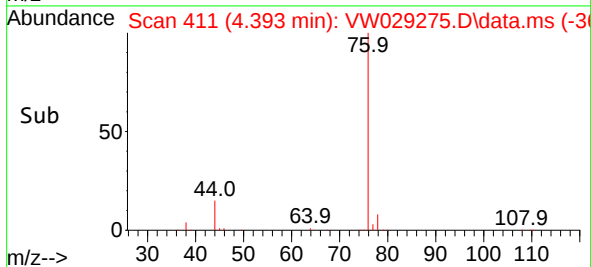
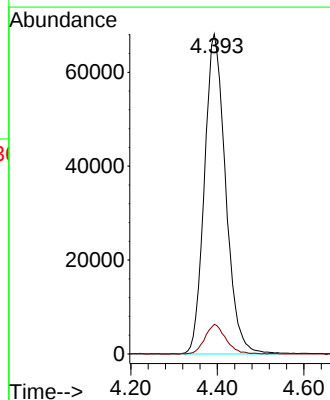
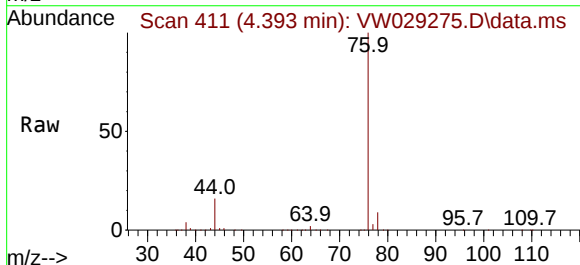
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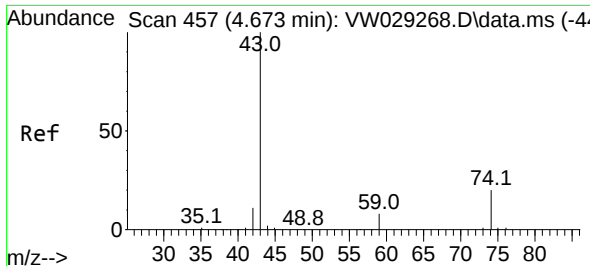
Tgt Ion: 76 Resp: 231710

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

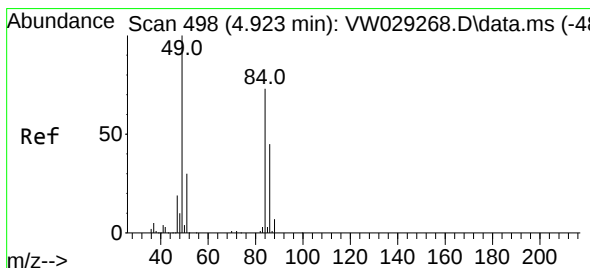
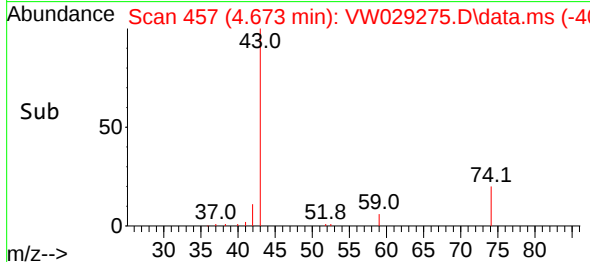
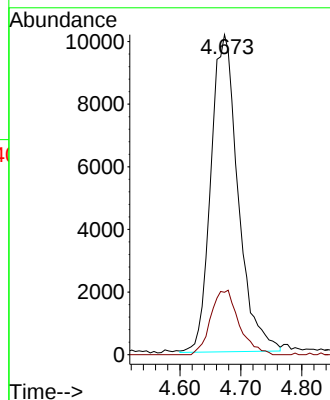
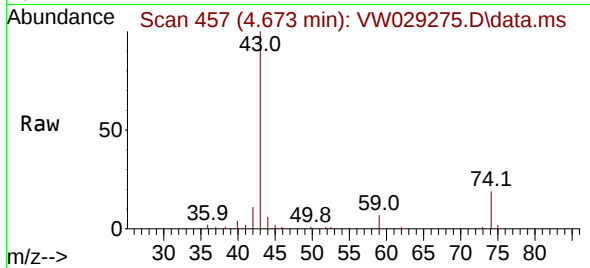




#15
Methyl Acetate
Concen: 11.583 ug/L
RT: 4.673 min Scan# 415
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

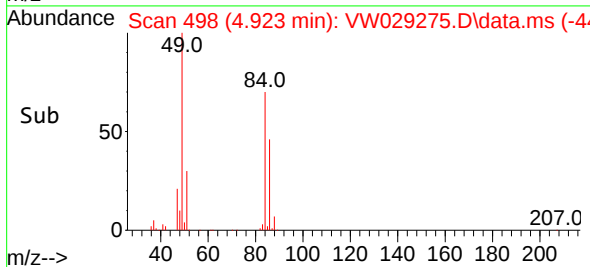
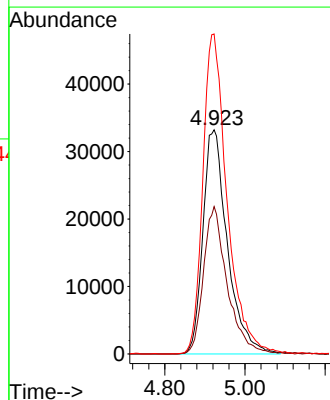
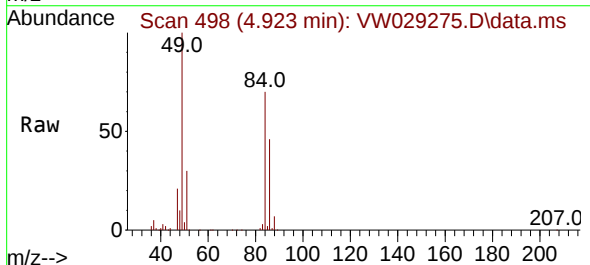
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

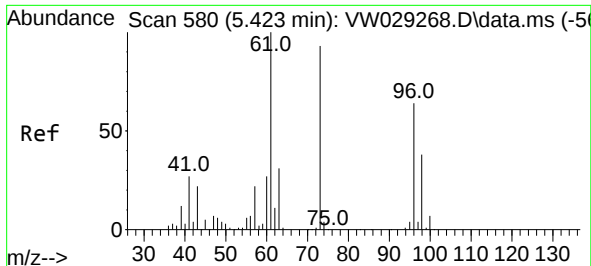
Tgt Ion: 43 Resp: 31424
Ion Ratio Lower Upper
43 100
74 21.1 16.6 25.0



#16
Methylene chloride
Concen: 20.642 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion: 84 Resp: 140944
Ion Ratio Lower Upper
84 100
86 65.7 41.4 77.0
49 142.8 95.7 177.7

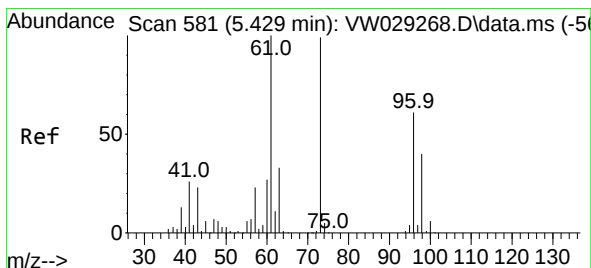
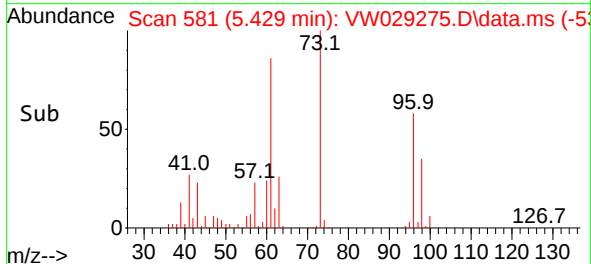
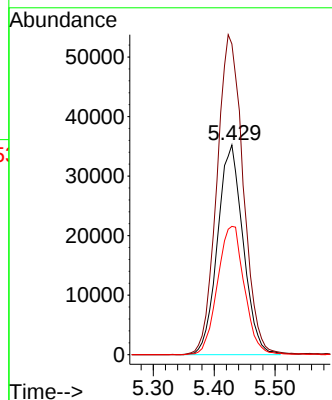
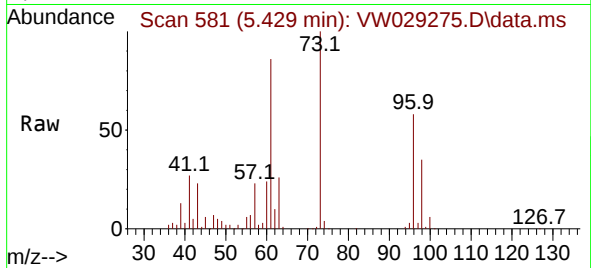




#17
trans-1,2-Dichloroethene
Concen: 20.603 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

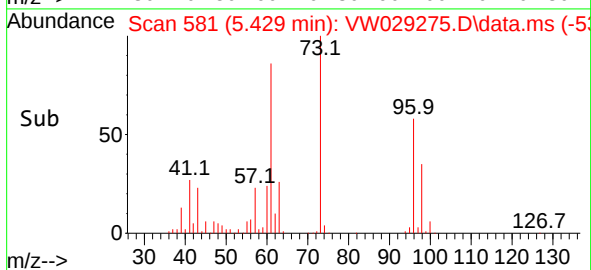
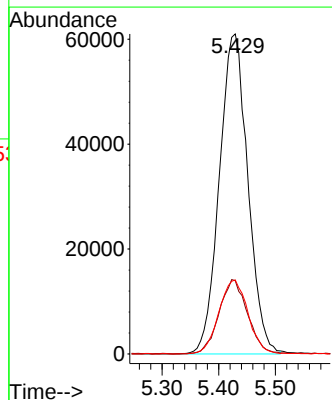
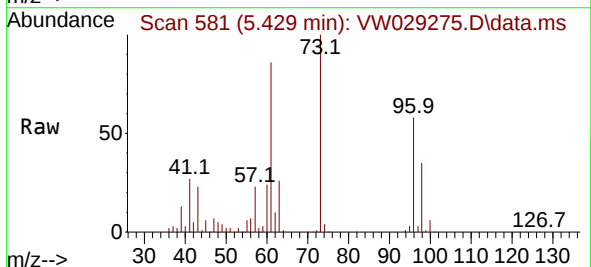
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

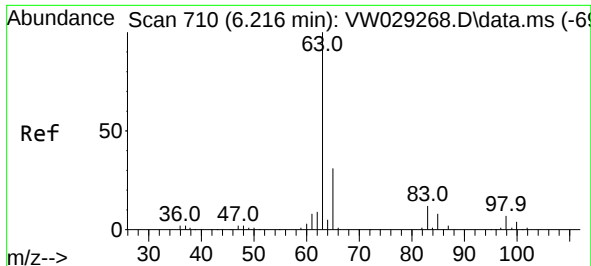
Tgt Ion: 96 Resp: 102950
Ion Ratio Lower Upper
96 100
61 148.0 101.5 188.5
98 61.1 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 26.618 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion: 73 Resp: 212796
Ion Ratio Lower Upper
73 100
43 22.8 19.5 29.3
57 23.6 18.4 27.6





#19

1,1-Dichloroethane

Concen: 22.362 ug/L

RT: 6.215 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

A4CS3MS

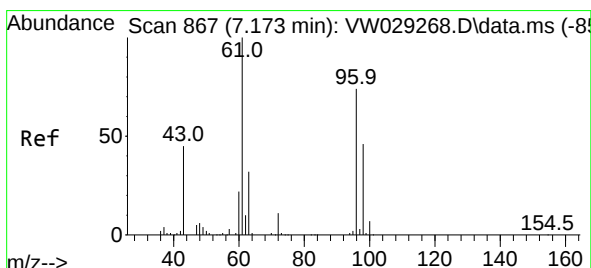
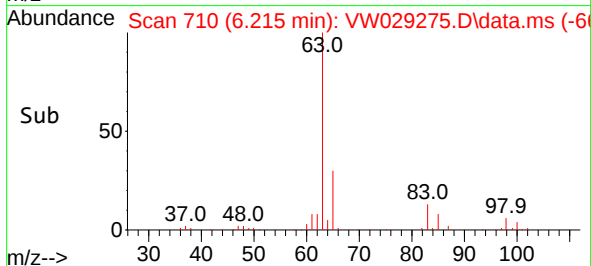
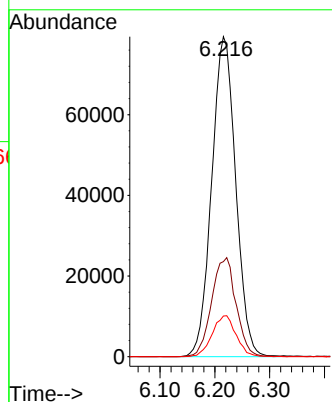
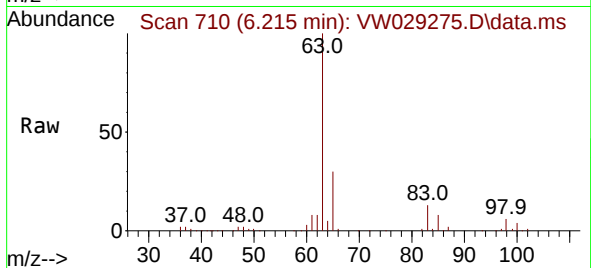
Tgt Ion: 63 Resp: 241334

Ion Ratio Lower Upper

63 100

65 29.7 23.4 43.4

83 12.7 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 21.478 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

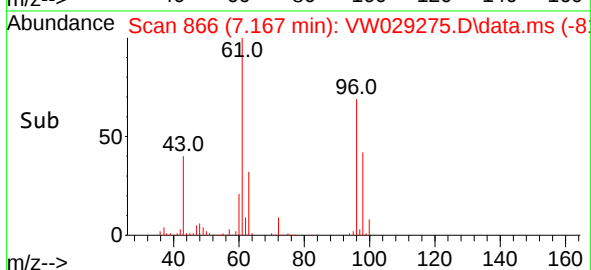
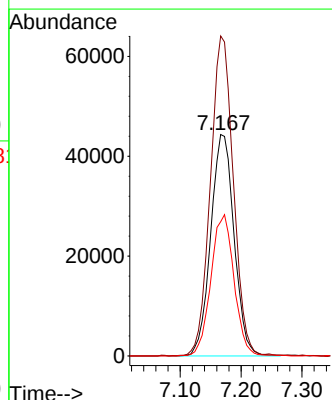
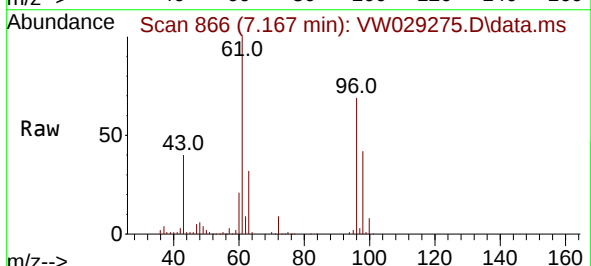
Tgt Ion: 96 Resp: 118345

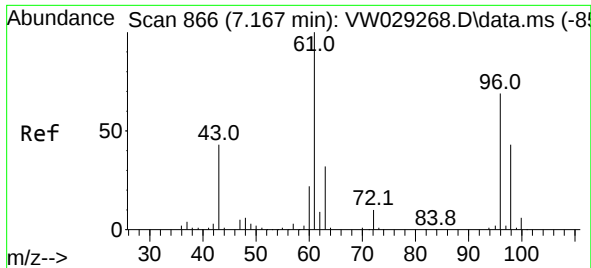
Ion Ratio Lower Upper

96 100

61 144.5 97.8 181.6

98 60.6 43.0 79.8

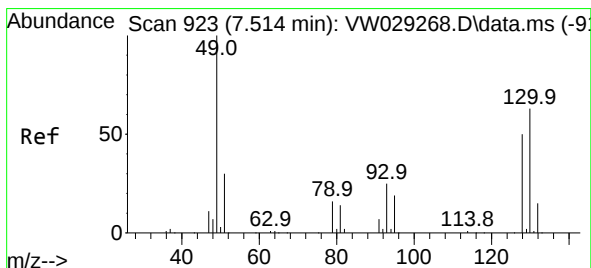
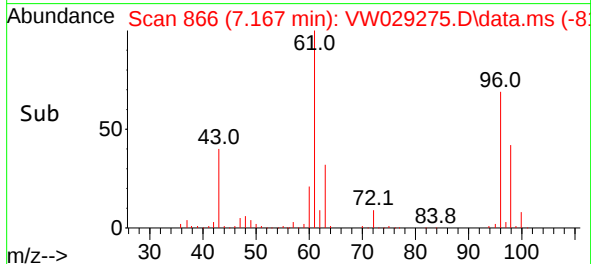
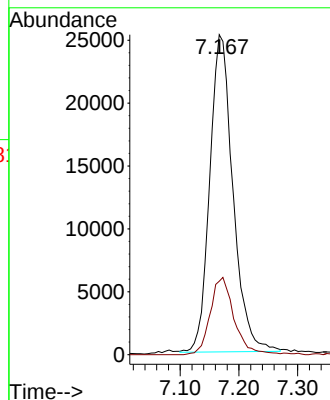
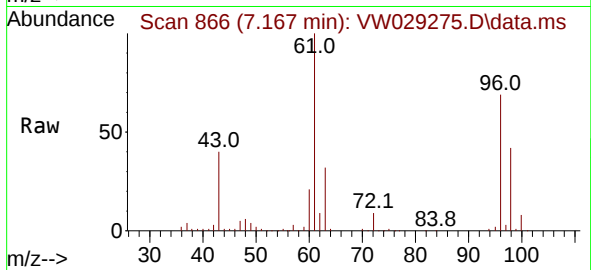




#22
2-Butanone
Concen: 36.982 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

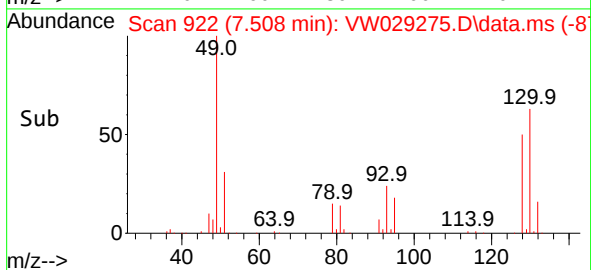
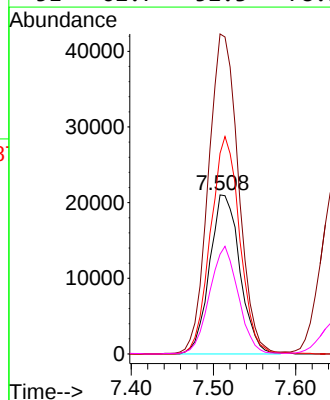
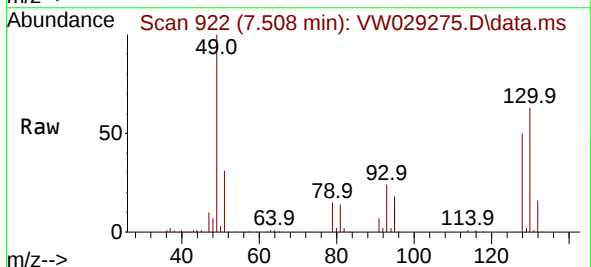
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

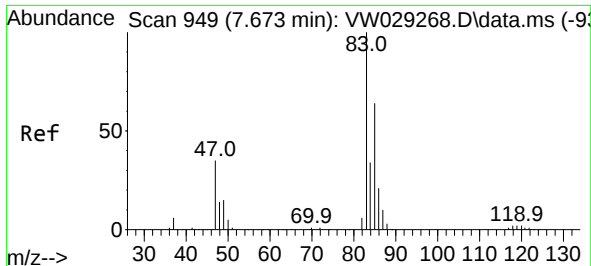
Tgt Ion: 43 Resp: 69276
Ion Ratio Lower Upper
43 100
72 25.0 11.9 35.7



#23
Bromochloromethane
Concen: 21.868 ug/L
RT: 7.508 min Scan# 922
Delta R.T. -0.006 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion: 128 Resp: 53641
Ion Ratio Lower Upper
128 100
49 201.1 142.6 264.8
130 126.1 79.7 148.1
51 62.7 52.3 78.5

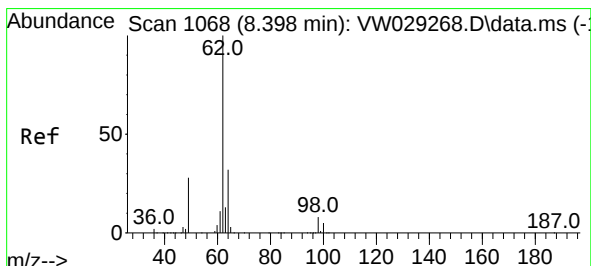
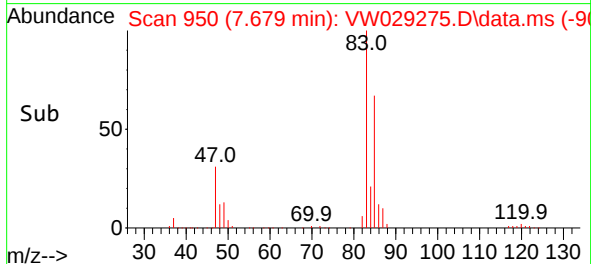
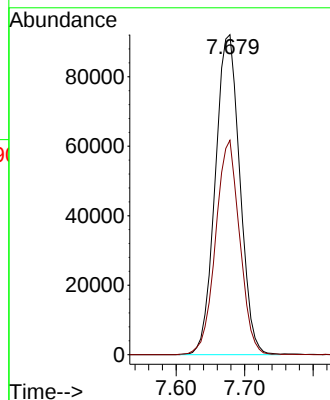
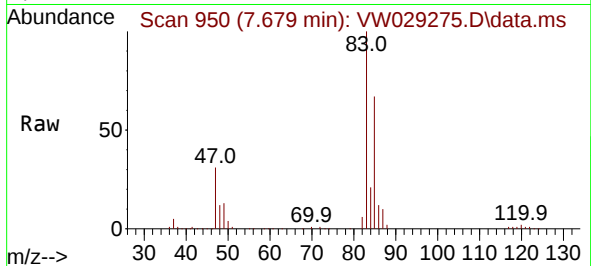




#25
Chloroform
Concen: 21.776 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

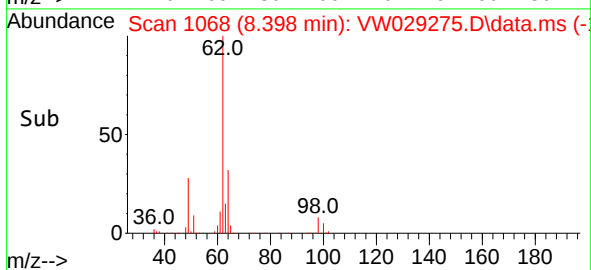
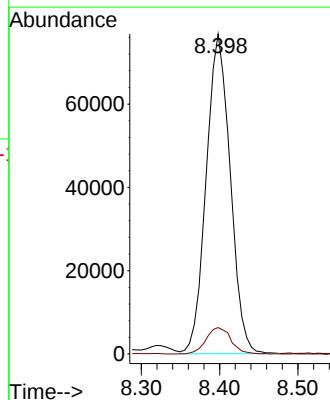
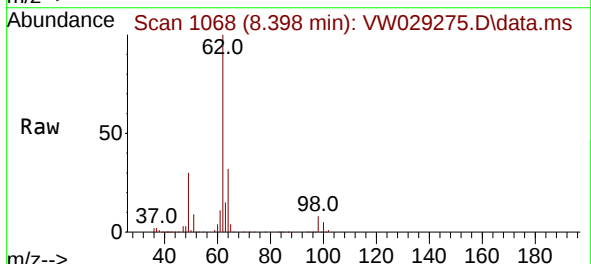
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

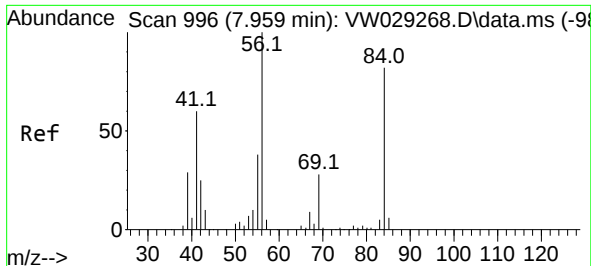
Tgt Ion: 83 Resp: 229477
Ion Ratio Lower Upper
83 100
85 67.0 44.4 82.4



#27
1,2-Dichloroethane
Concen: 21.065 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion: 62 Resp: 163721
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0





#29

Cyclohexane

Concen: 21.862 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.006 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

A4CS3MS

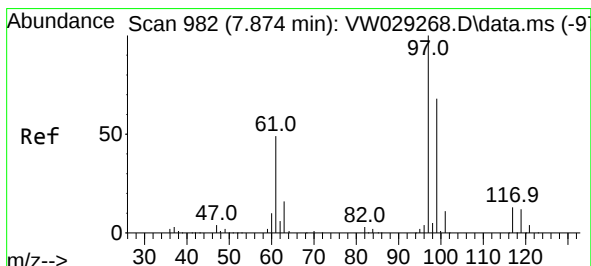
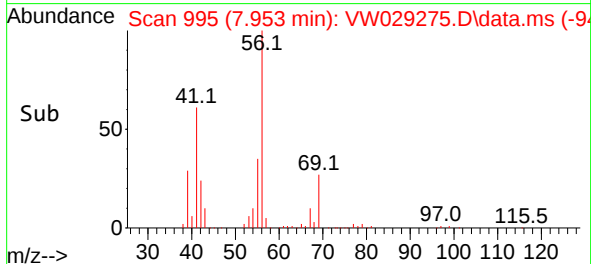
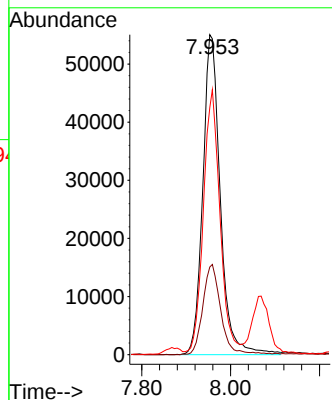
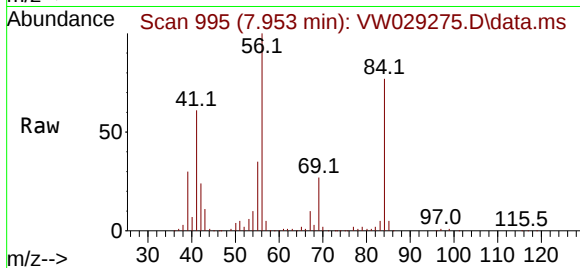
Tgt Ion: 56 Resp: 151045

Ion Ratio Lower Upper

56 100

69 28.4 23.4 35.0

84 77.8 64.5 96.7



#30

1,1,1-Trichloroethane

Concen: 25.416 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

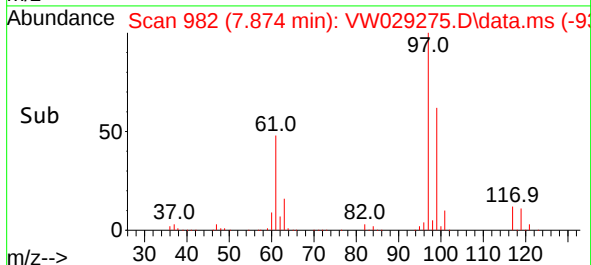
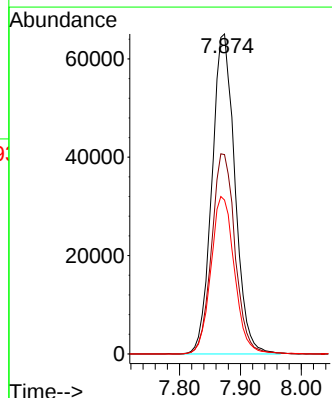
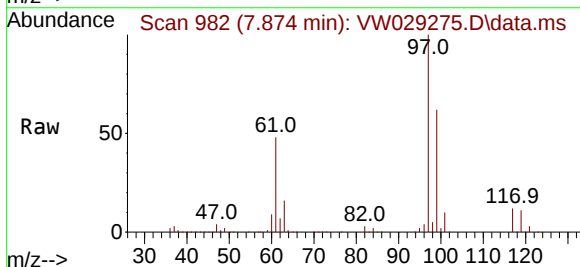
Tgt Ion: 97 Resp: 170809

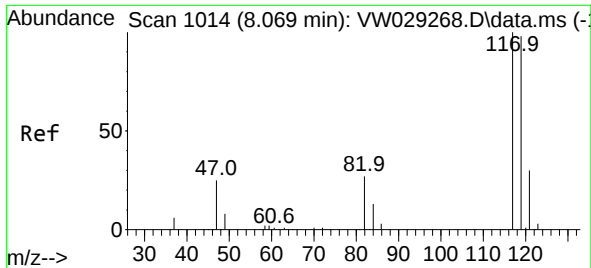
Ion Ratio Lower Upper

97 100

99 63.8 53.0 79.4

61 50.5 43.0 64.4

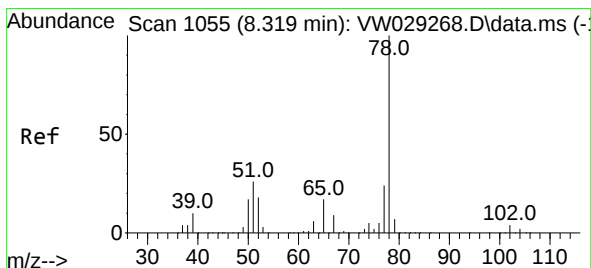
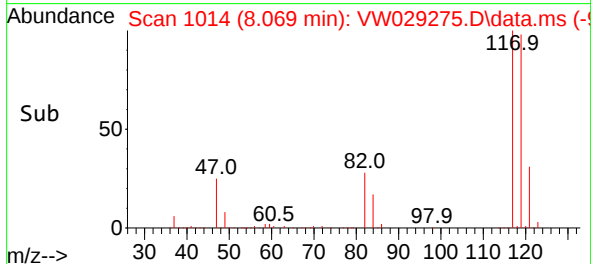
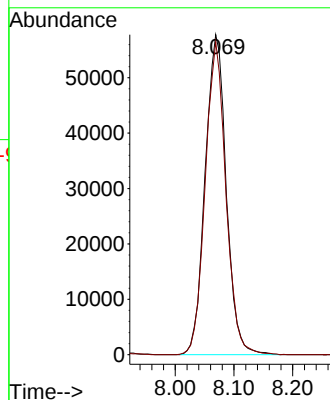
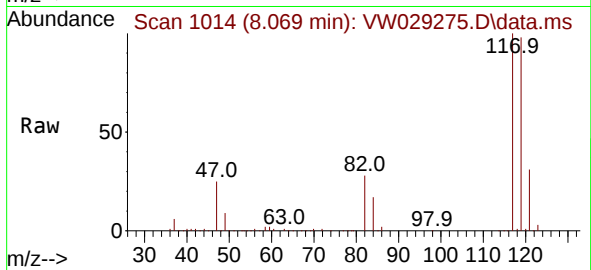




#31
Carbon tetrachloride
Concen: 23.505 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

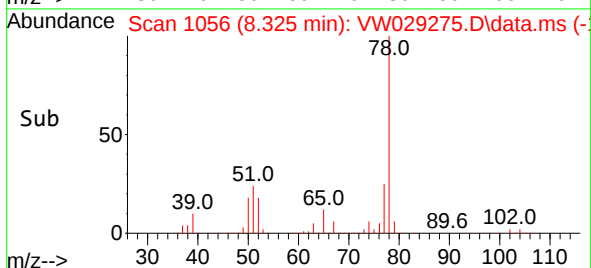
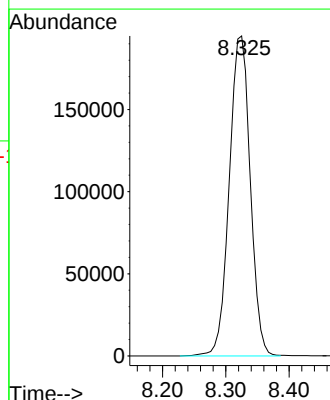
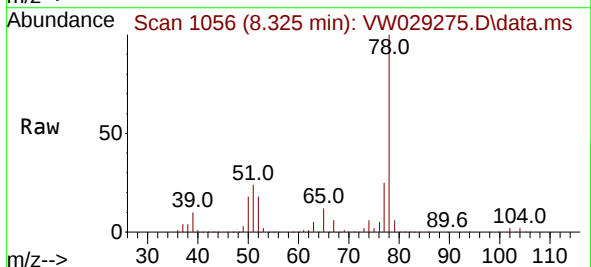
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

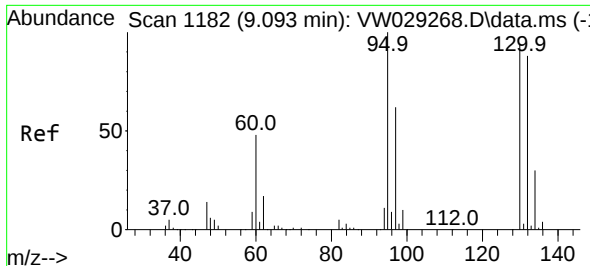
Tgt Ion:117 Resp: 144300
Ion Ratio Lower Upper
117 100
119 95.6 79.0 118.4



#33
Benzene
Concen: 24.683 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion: 78 Resp: 448227

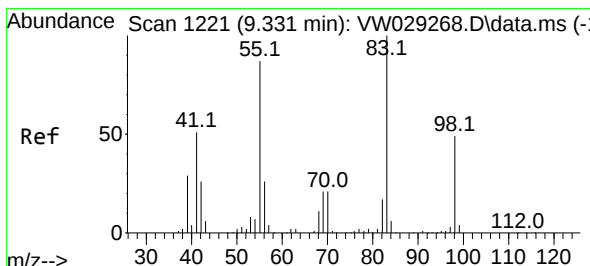
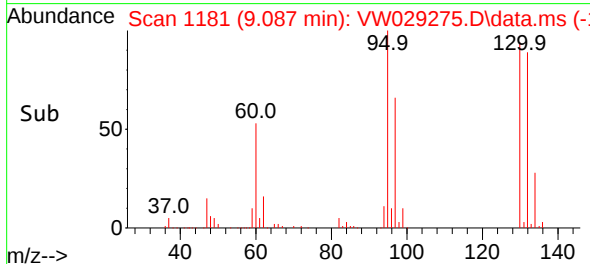
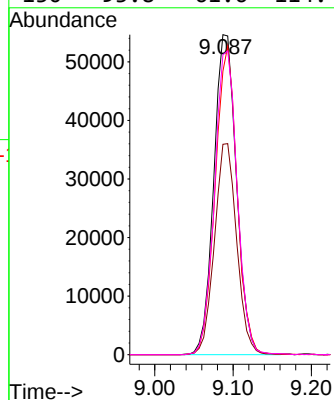
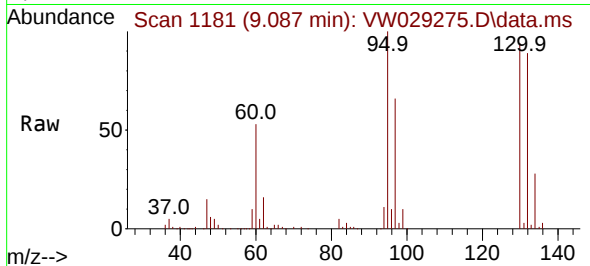




#34
Trichloroethene
Concen: 22.769 ug/L
RT: 9.087 min Scan# 1181
Delta R.T. -0.006 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

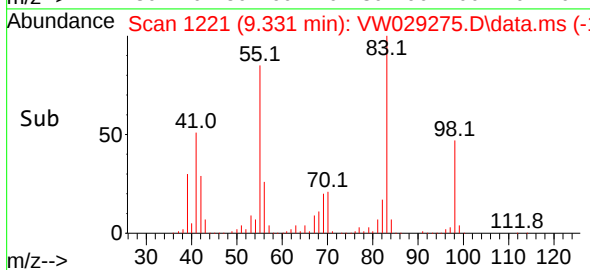
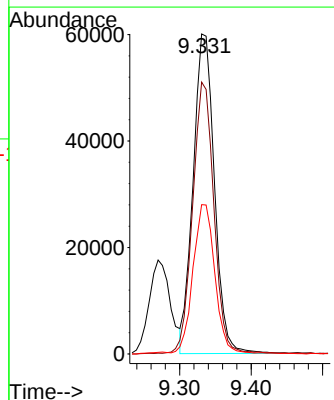
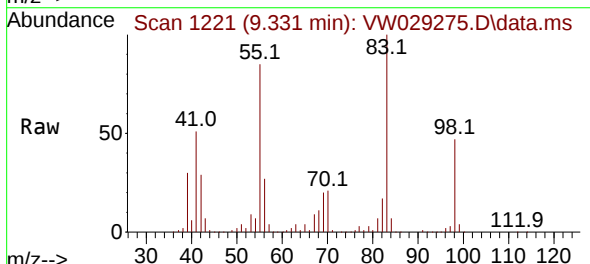
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

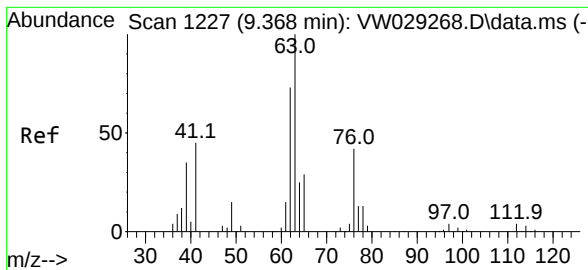
Tgt Ion: 95 Resp: 110308
Ion Ratio Lower Upper
95 100
97 65.8 45.7 84.9
132 88.6 66.4 123.4
130 93.8 61.6 114.4



#35
Methylcyclohexane
Concen: 16.301 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion: 83 Resp: 124202
Ion Ratio Lower Upper
83 100
55 85.5 69.5 104.3
98 47.4 38.0 57.0

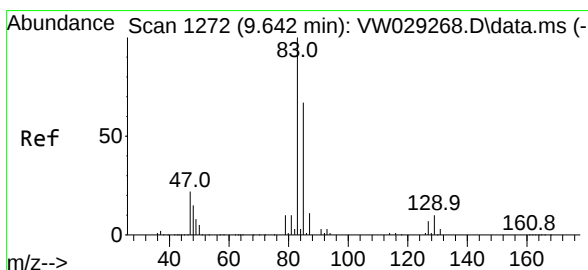
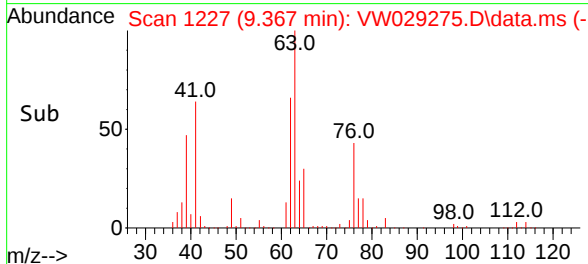
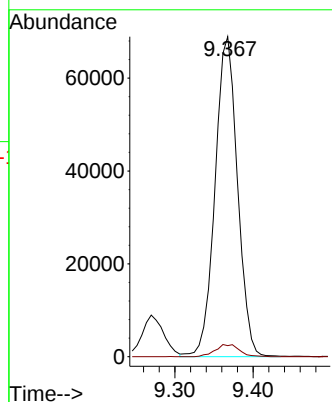
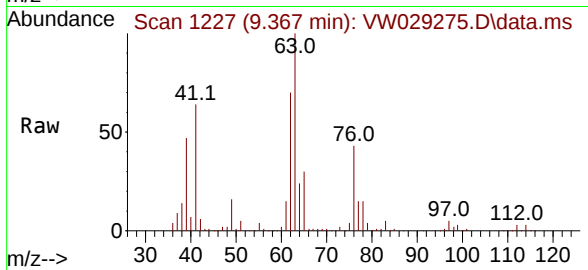




#37
1,2-Dichloropropane
Concen: 26.923 ug/L
RT: 9.367 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

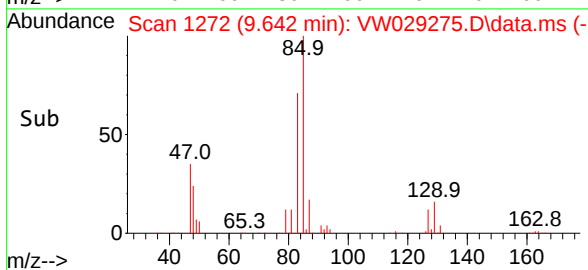
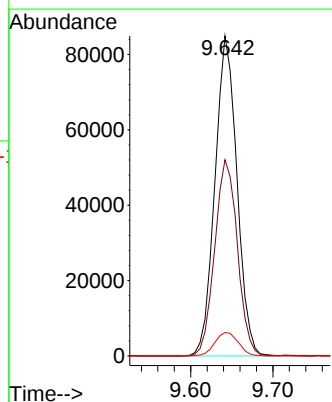
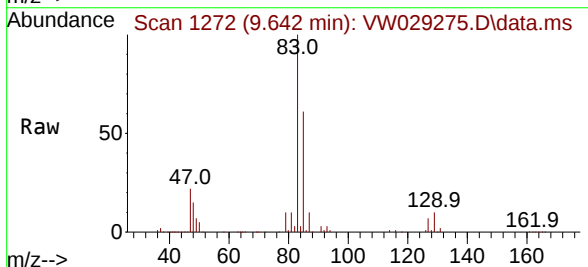
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

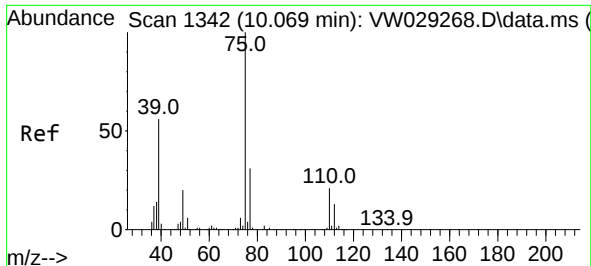
Tgt Ion: 63 Resp: 137379
Ion Ratio Lower Upper
63 100
112 4.1 3.8 5.6



#38
Bromodichloromethane
Concen: 25.354 ug/L
RT: 9.642 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion: 83 Resp: 158178
Ion Ratio Lower Upper
83 100
85 61.3 45.1 83.9
127 7.3 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 16.159 ug/L

RT: 10.068 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

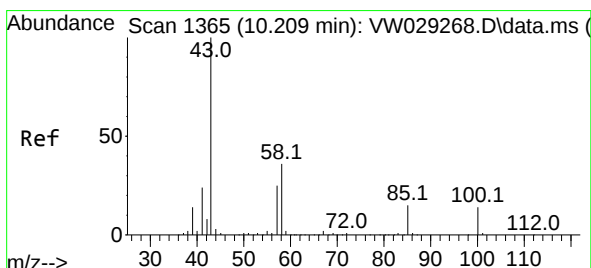
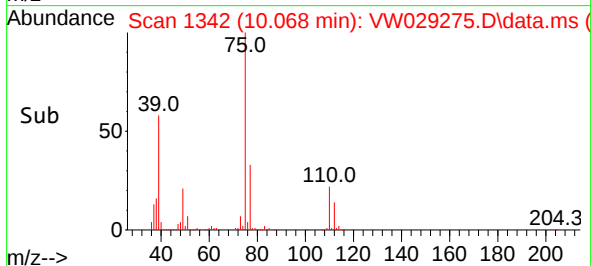
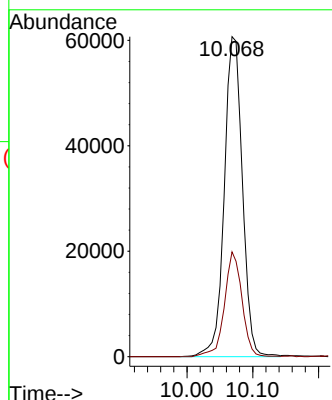
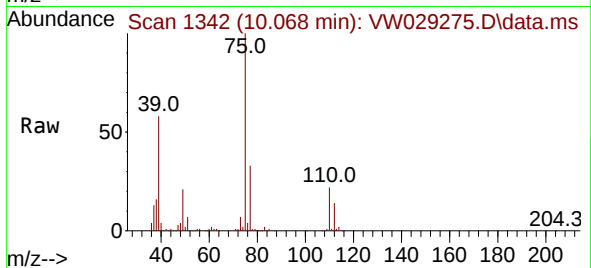
A4CS3MS

Tgt Ion: 75 Resp: 116553

Ion Ratio Lower Upper

75 100

77 32.7 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 45.436 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

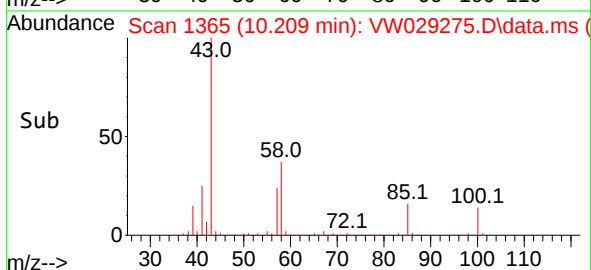
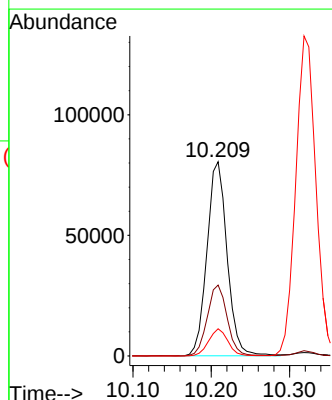
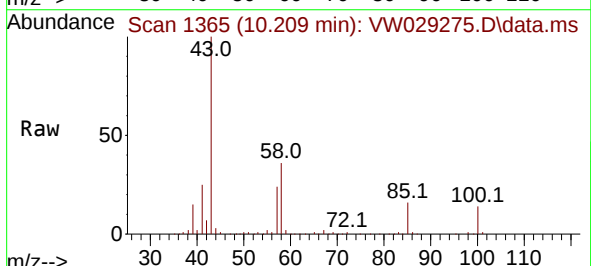
Tgt Ion: 43 Resp: 143699

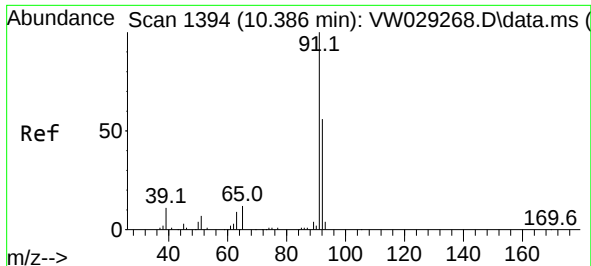
Ion Ratio Lower Upper

43 100

58 36.3 28.2 42.4

100 13.4 11.0 16.4





#42

Toluene

Concen: 22.473 ug/L

RT: 10.385 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

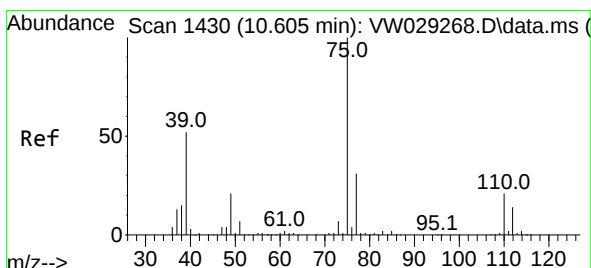
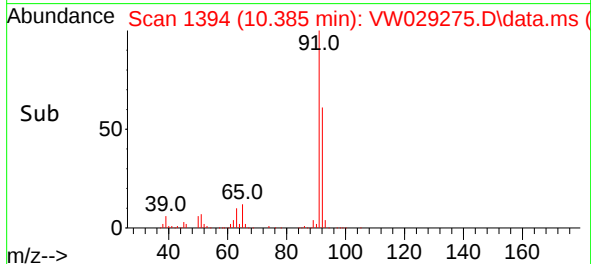
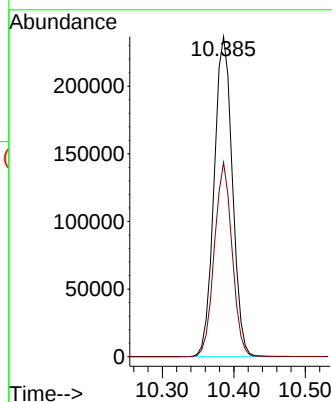
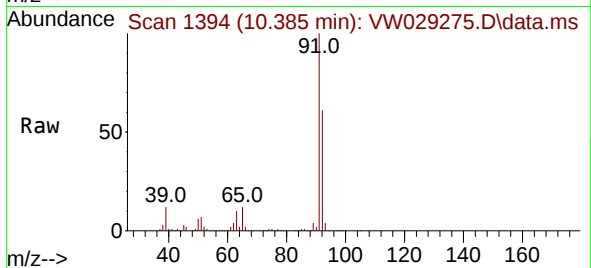
A4CS3MS

Tgt Ion: 91 Resp: 419526

Ion Ratio Lower Upper

91 100

92 60.7 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 18.261 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW029275.D

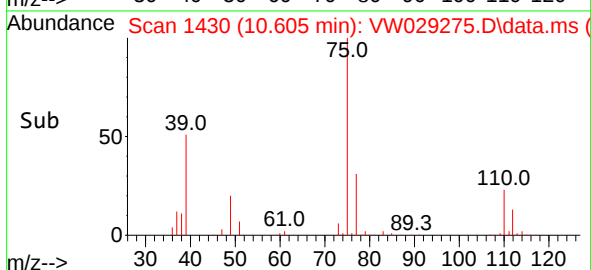
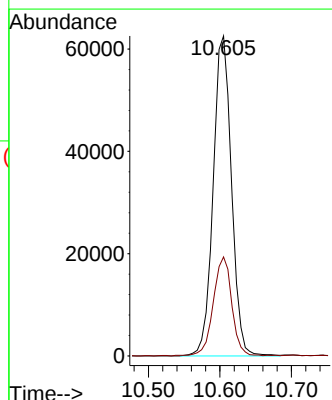
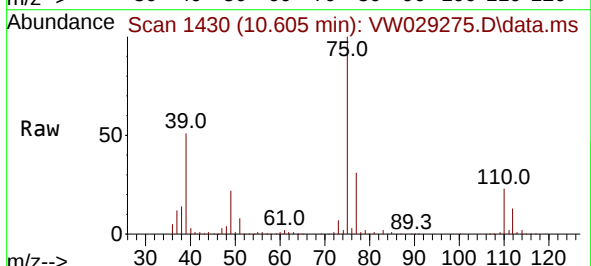
Acq: 20 Jun 2024 22:55

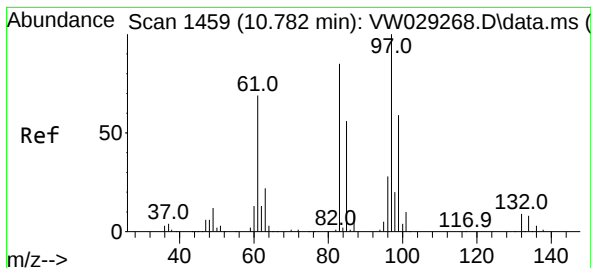
Tgt Ion: 75 Resp: 111219

Ion Ratio Lower Upper

75 100

77 30.9 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 26.331 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

A4CS3MS

Tgt Ion: 97 Resp: 93574

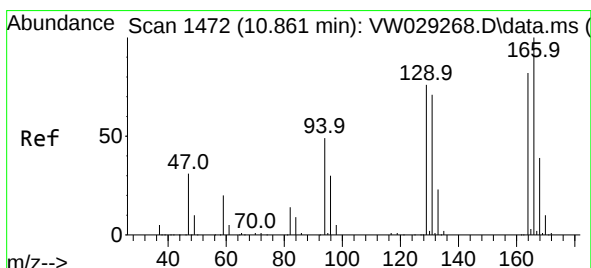
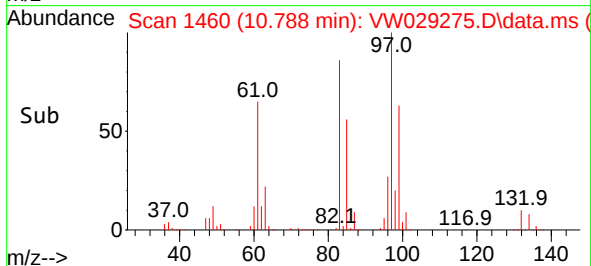
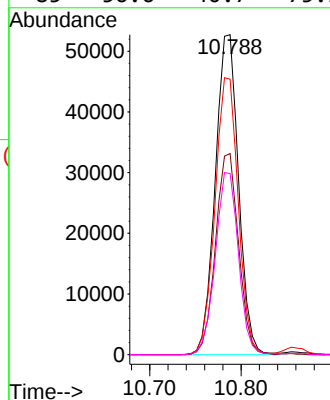
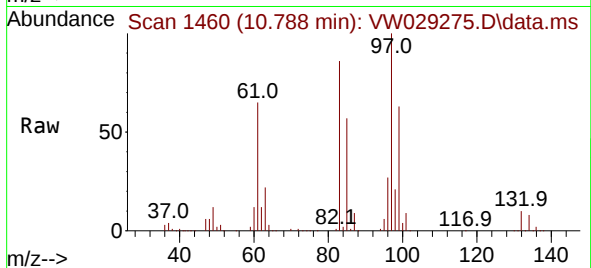
Ion Ratio Lower Upper

97 100

99 62.8 42.3 78.5

83 86.1 57.7 107.1

85 56.6 40.7 75.5



#46

Tetrachloroethene

Concen: 19.262 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Tgt Ion:164 Resp: 65234

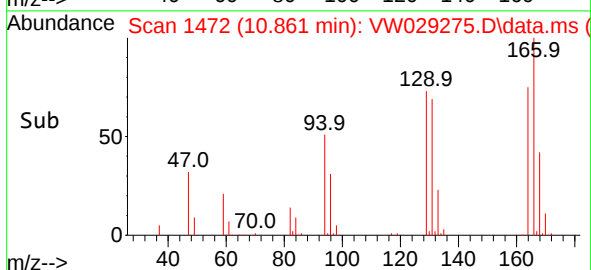
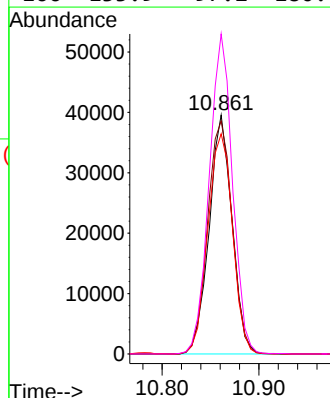
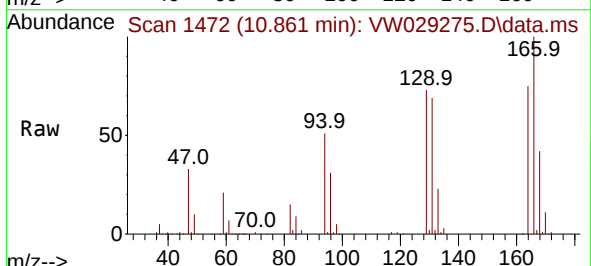
Ion Ratio Lower Upper

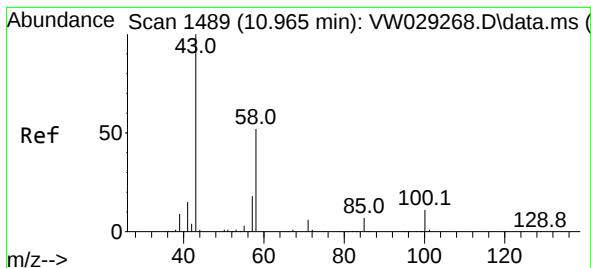
164 100

129 97.5 68.5 127.3

131 92.1 71.8 133.4

166 133.9 97.2 180.4





#48

2-Hexanone

Concen: 35.995 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

A4CS3MS

Tgt Ion: 43 Resp: 80779

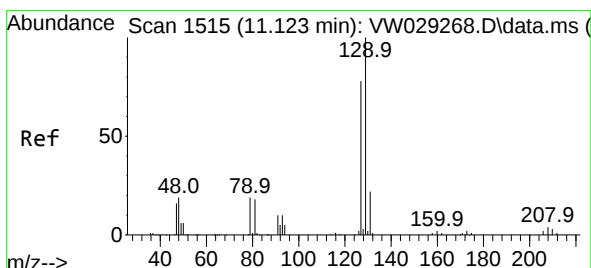
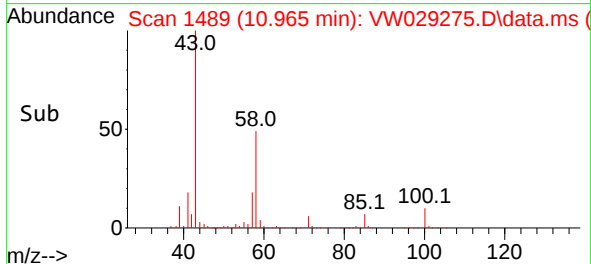
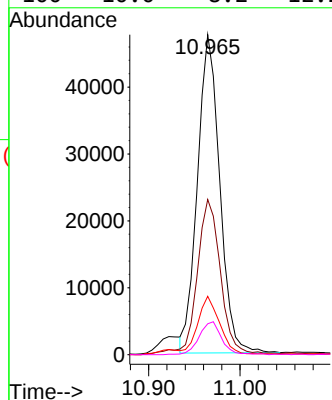
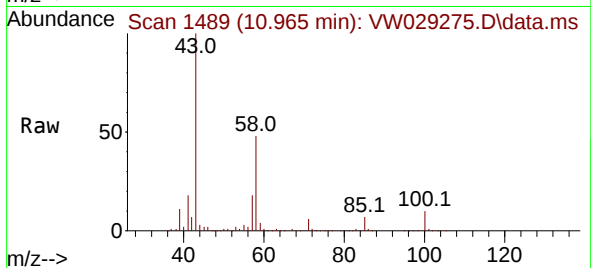
Ion Ratio Lower Upper

43 100

58 48.0 39.6 59.4

57 17.4 14.6 21.8

100 10.0 8.2 12.2



#49

Dibromochloromethane

Concen: 24.163 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.000 min

Lab File: VW029275.D

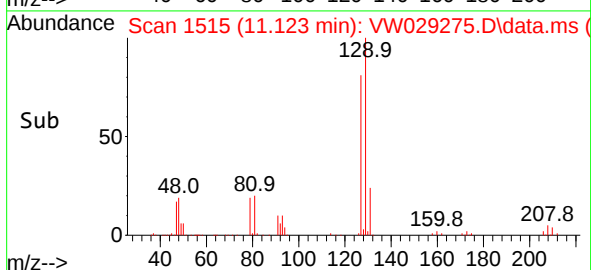
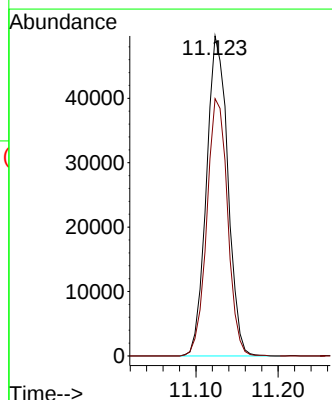
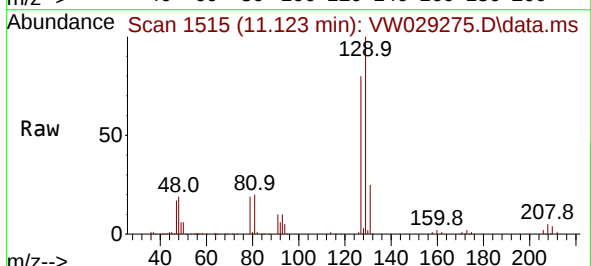
Acq: 20 Jun 2024 22:55

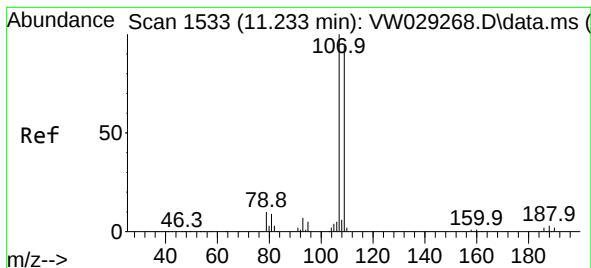
Tgt Ion: 129 Resp: 89762

Ion Ratio Lower Upper

129 100

127 80.4 54.8 101.8

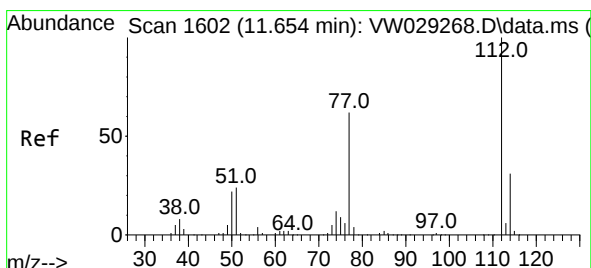
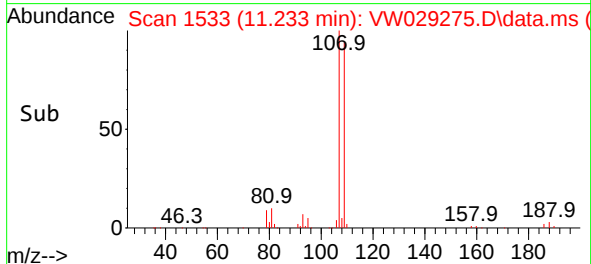
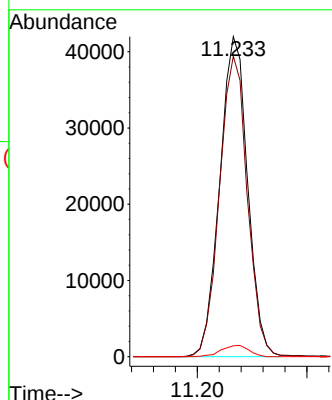
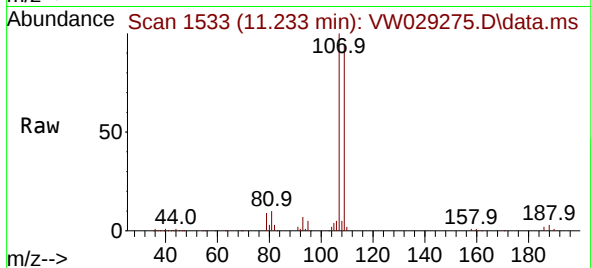




#50
1,2-Dibromoethane
Concen: 23.192 ug/L
RT: 11.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

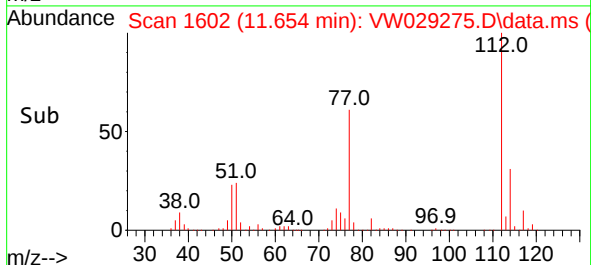
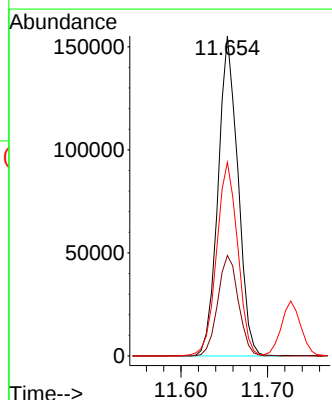
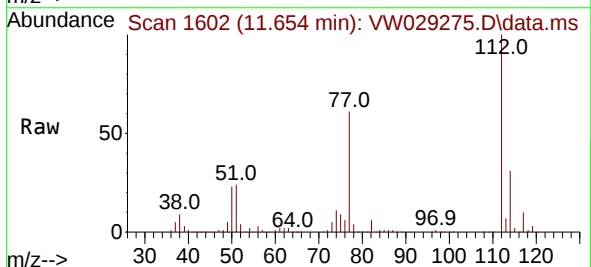
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

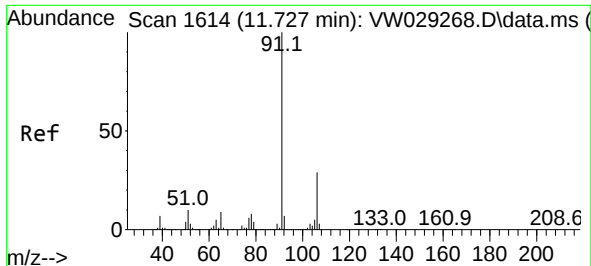
Tgt Ion:107 Resp: 73985
Ion Ratio Lower Upper
107 100
109 93.9 65.5 121.6
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 20.383 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion:112 Resp: 247095
Ion Ratio Lower Upper
112 100
114 31.4 22.6 42.0
77 60.6 51.0 76.6

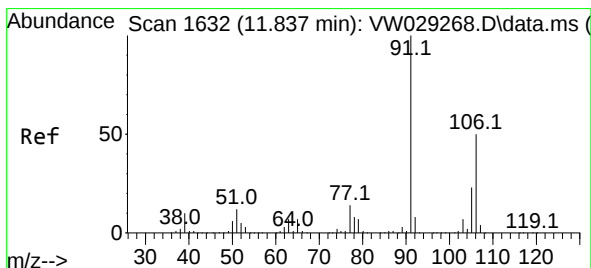
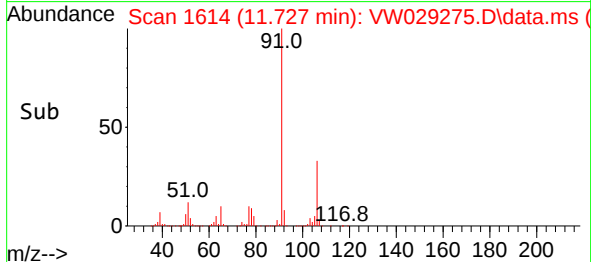
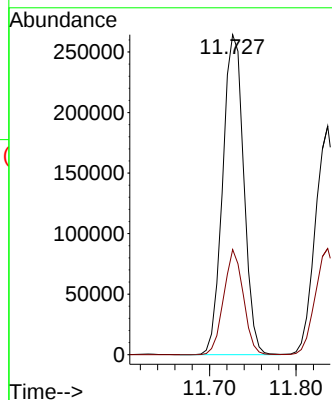
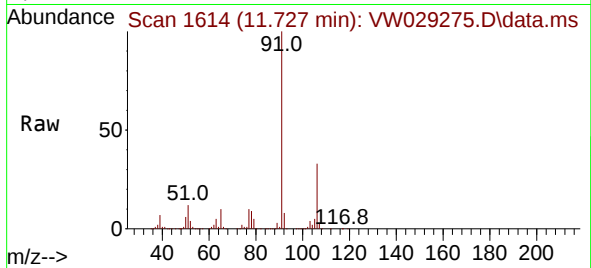




#52
Ethylbenzene
Concen: 21.046 ug/L
RT: 11.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

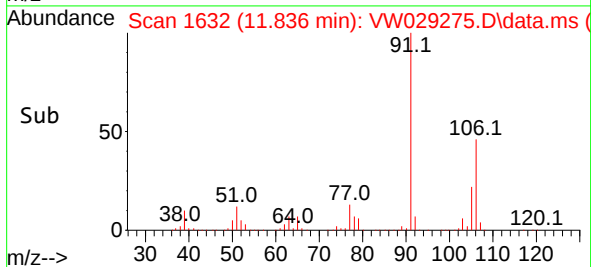
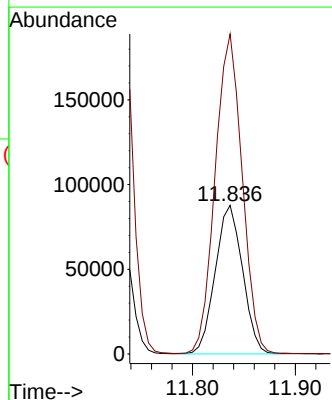
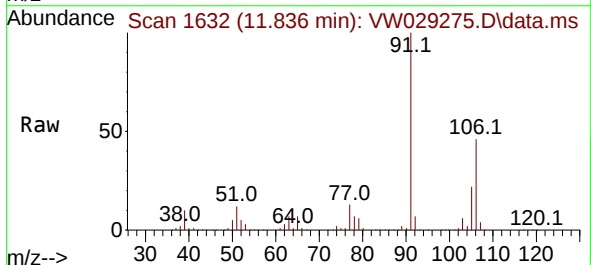
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

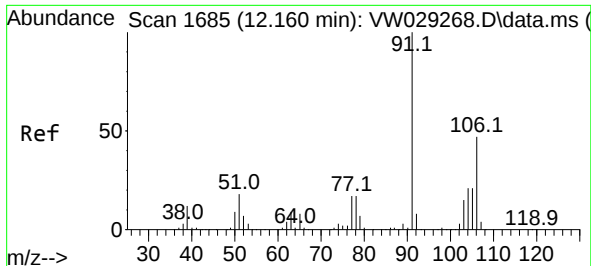
Tgt Ion: 91 Resp: 445978
Ion Ratio Lower Upper
91 100
106 32.9 19.9 37.0



#53
m,p-Xylene
Concen: 20.936 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion: 106 Resp: 162053
Ion Ratio Lower Upper
106 100
91 215.3 140.5 260.9

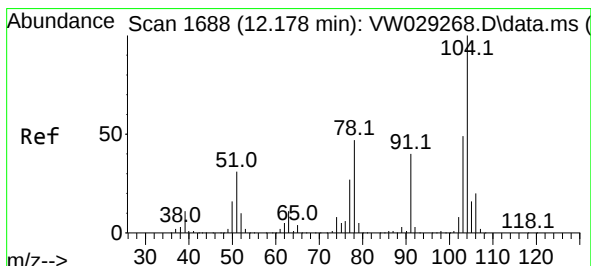
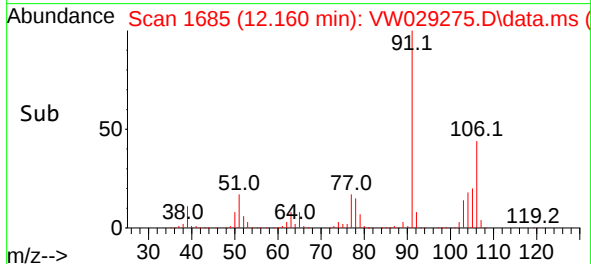
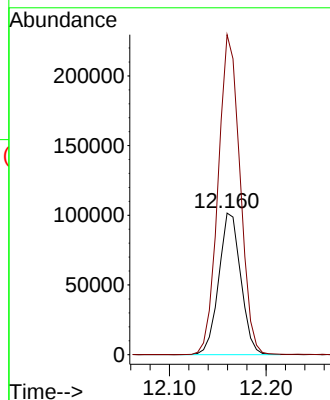
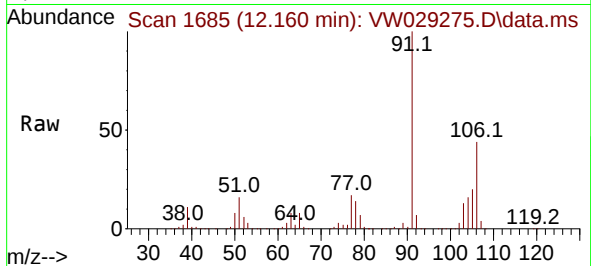




#54
o-Xylene
Concen: 22.168 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

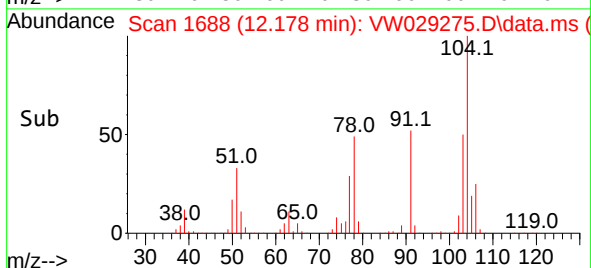
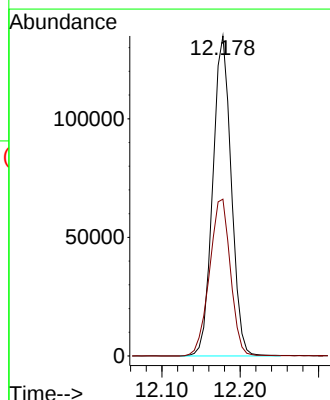
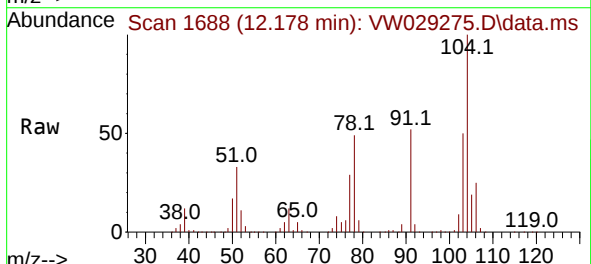
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

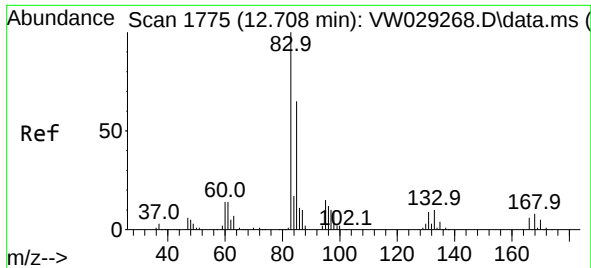
Tgt Ion:106 Resp: 160363
Ion Ratio Lower Upper
106 100
91 225.9 149.9 278.5



#55
Styrene
Concen: 17.542 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion:104 Resp: 221251
Ion Ratio Lower Upper
104 100
78 49.0 35.4 65.7





#57

1,1,2-Tetrachloroethane

Concen: 24.324 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

A4CS3MS

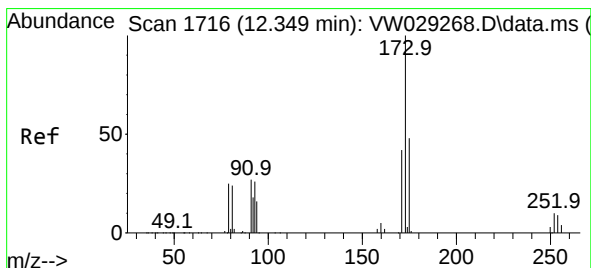
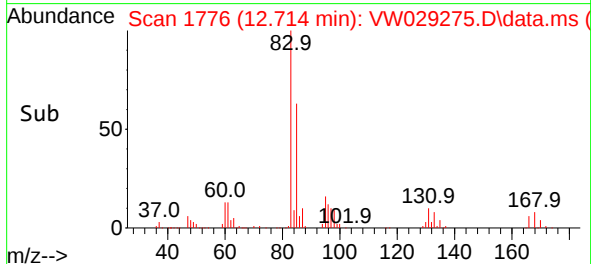
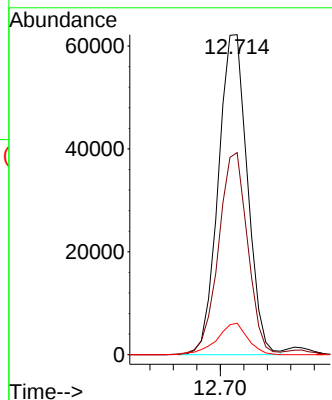
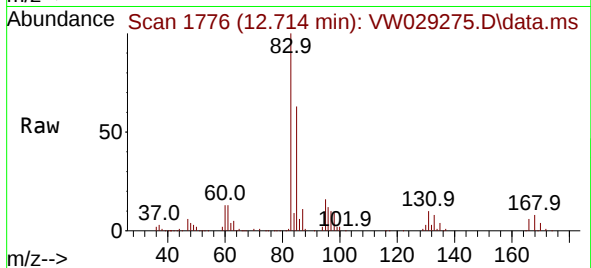
Tgt Ion: 83 Resp: 106928

Ion Ratio Lower Upper

83 100

85 63.1 45.8 85.0

131 9.8 7.8 11.6



#59

Bromoform

Concen: 30.002 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

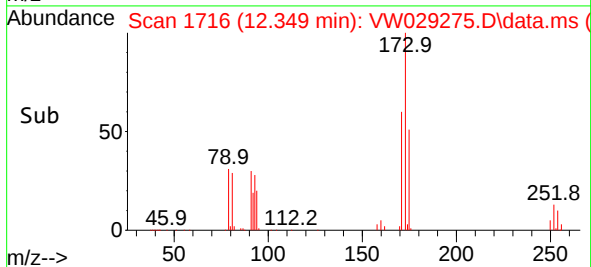
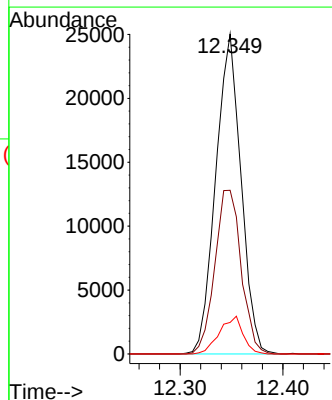
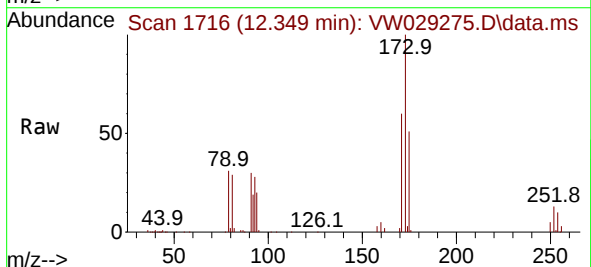
Tgt Ion:173 Resp: 42706

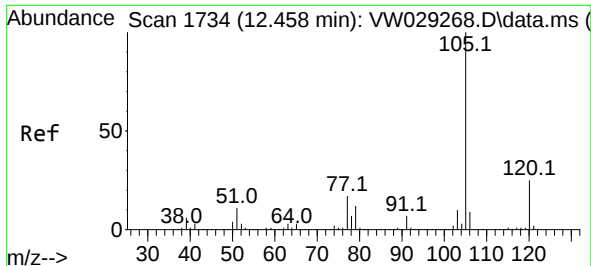
Ion Ratio Lower Upper

173 100

175 53.3 37.8 56.8

254 11.0 7.8 11.6

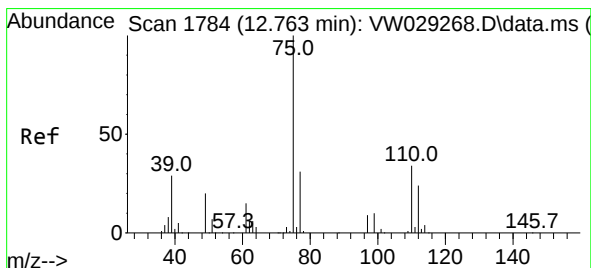
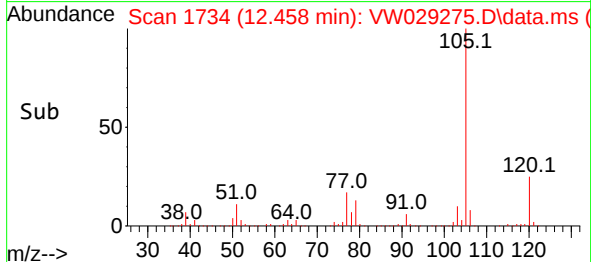
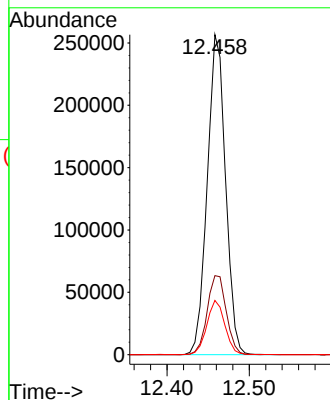
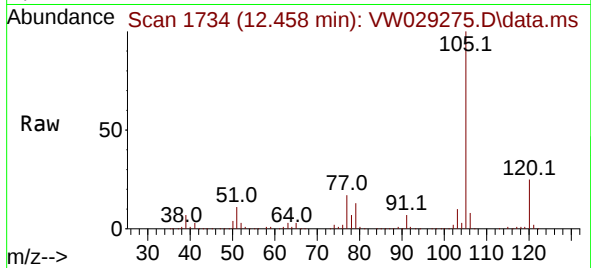




#60
Isopropylbenzene
Concen: 28.673 ug/L
RT: 12.458 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

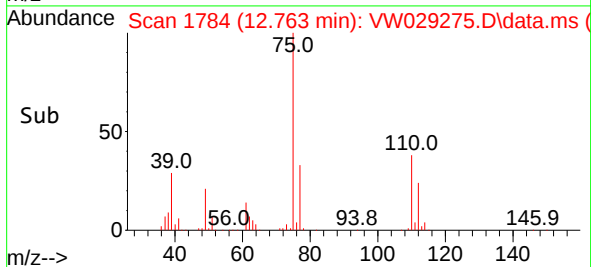
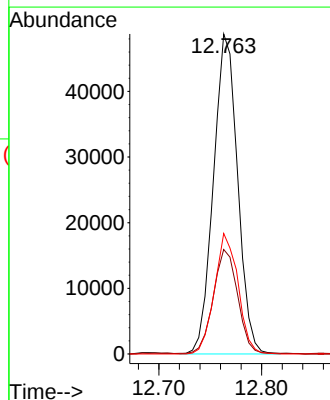
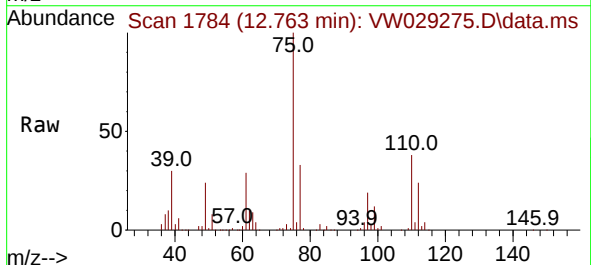
Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

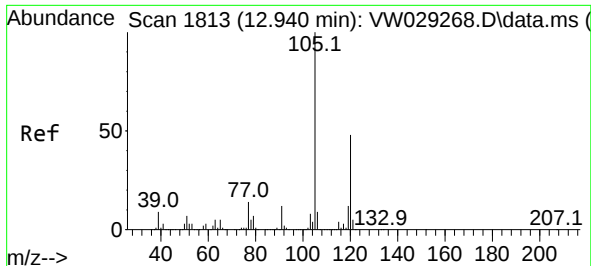
Tgt Ion:105 Resp: 396796
Ion Ratio Lower Upper
105 100
120 25.8 20.5 30.7
77 16.8 13.6 20.4



#61
1,2,3-Trichloropropane
Concen: 35.130 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion: 75 Resp: 79581
Ion Ratio Lower Upper
75 100
77 33.3 26.6 39.8
110 36.7 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 26.688 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

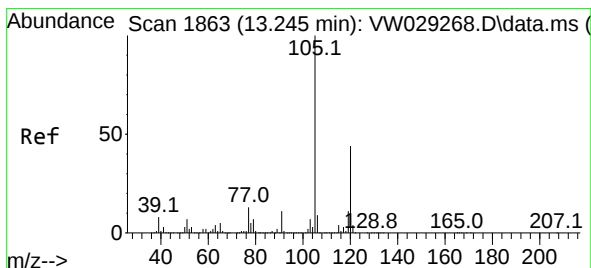
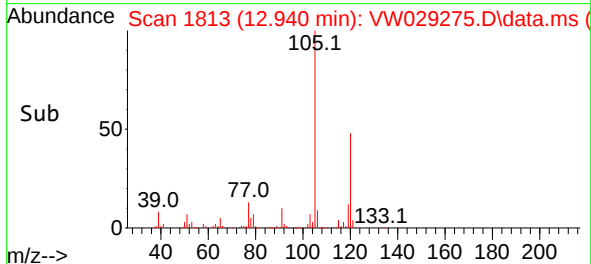
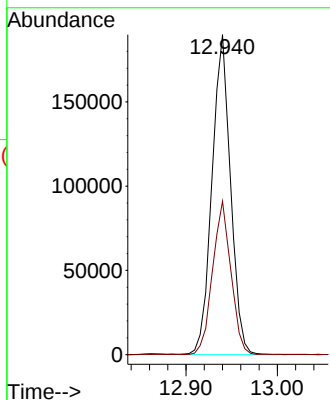
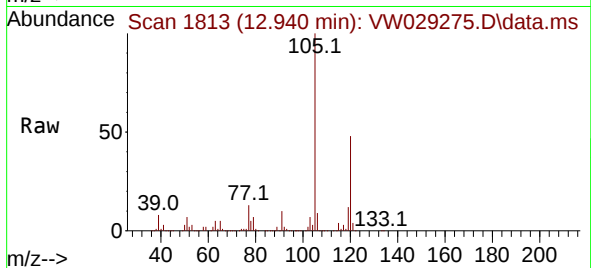
A4CS3MS

Tgt Ion:105 Resp: 267479

Ion Ratio Lower Upper

105 100

120 47.5 36.4 54.6



#63

1,2,4-Trimethylbenzene

Concen: 26.443 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW029275.D

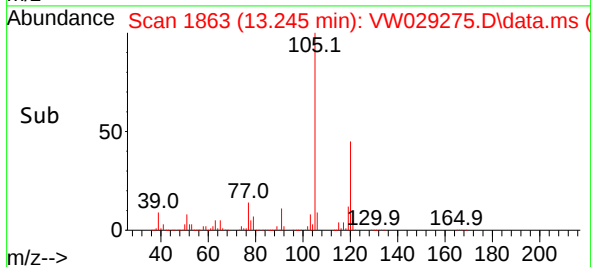
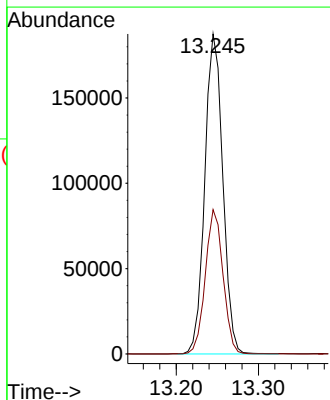
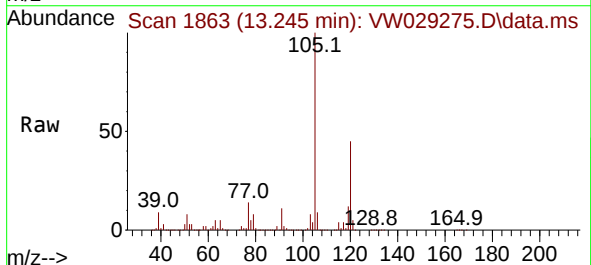
Acq: 20 Jun 2024 22:55

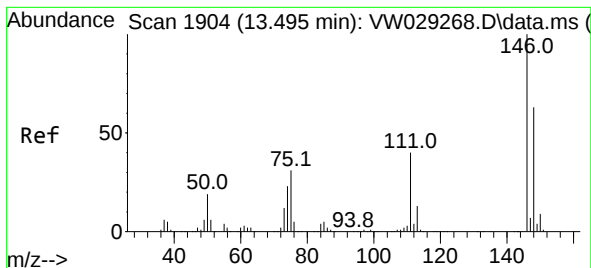
Tgt Ion:105 Resp: 285143

Ion Ratio Lower Upper

105 100

120 44.5 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 22.707 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

A4CS3MS

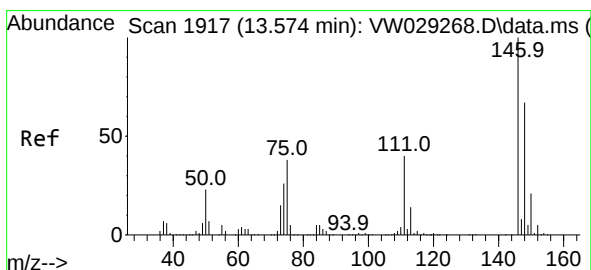
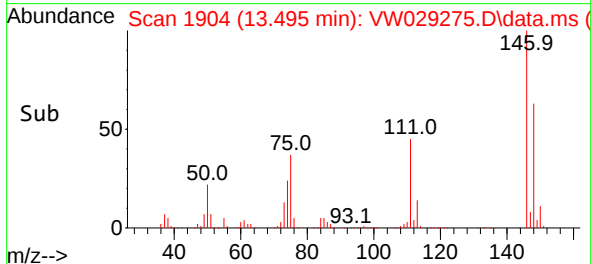
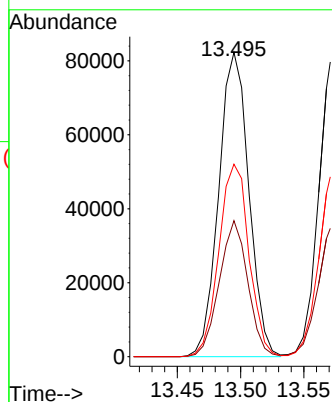
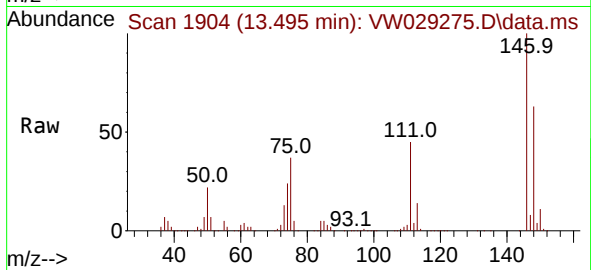
Tgt Ion:146 Resp: 135987

Ion Ratio Lower Upper

146 100

111 44.7 33.0 61.2

148 63.3 47.5 88.1



#65

1,4-Dichlorobenzene

Concen: 21.469 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

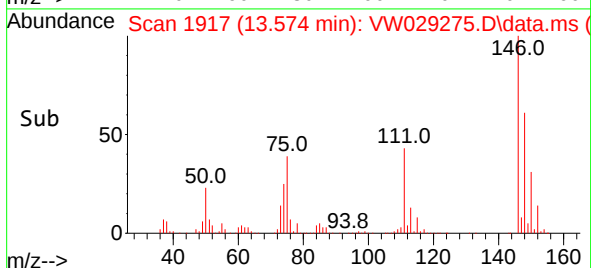
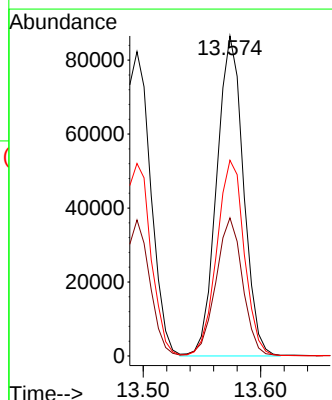
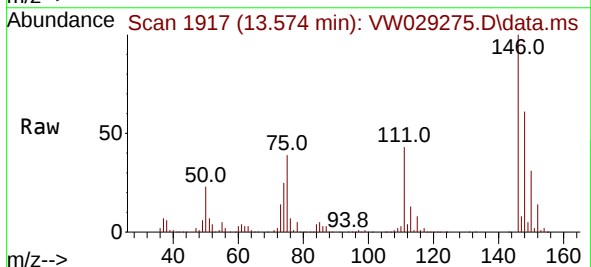
Tgt Ion:146 Resp: 136796

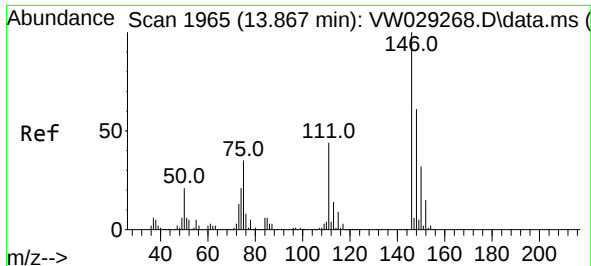
Ion Ratio Lower Upper

146 100

111 43.2 28.9 53.7

148 61.2 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 22.378 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

A4CS3MS

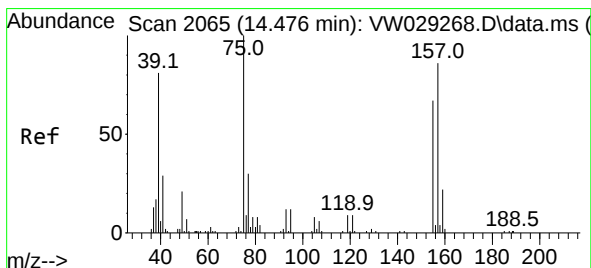
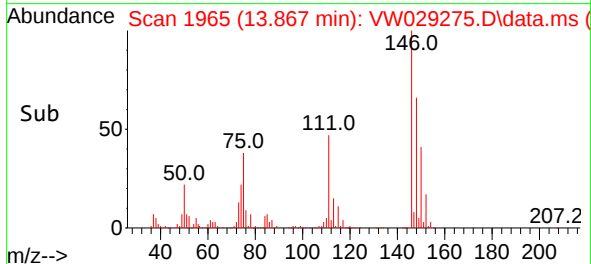
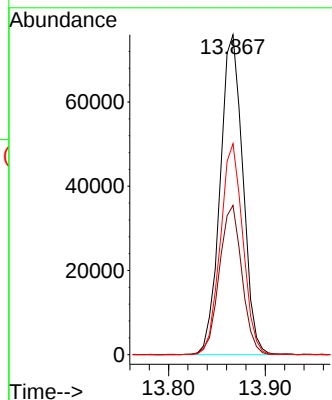
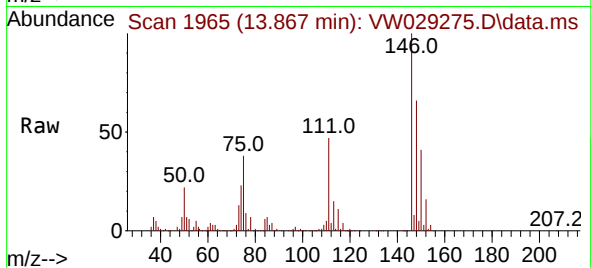
Tgt Ion:146 Resp: 123895

Ion Ratio Lower Upper

146 100

111 46.7 34.2 51.4

148 65.9 46.3 69.5



#68

1,2-Dibromo-3-chloropropane

Concen: 30.663 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

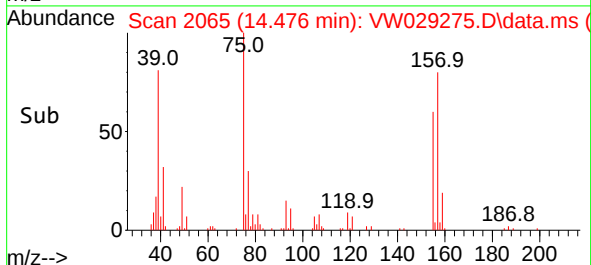
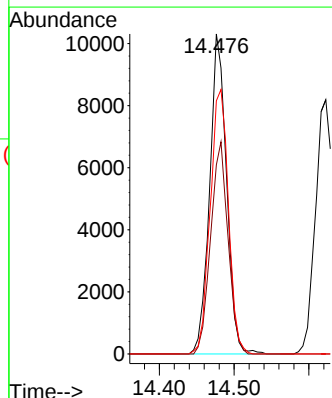
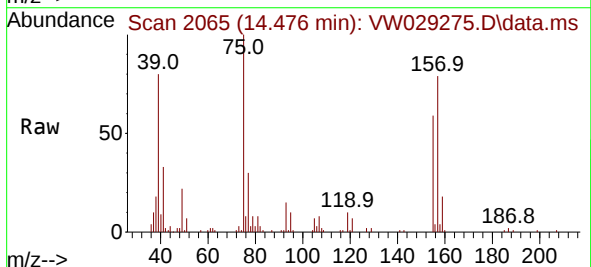
Tgt Ion: 75 Resp: 16210

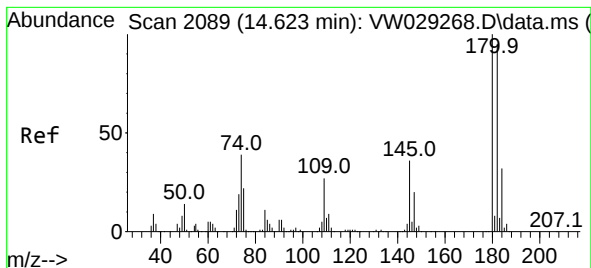
Ion Ratio Lower Upper

75 100

155 59.1 51.0 76.6

157 79.1 58.8 88.2





#69

1,3,5-Trichlorobenzene

Concen: 14.960 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

Instrument :

MSVOA_W

ClientSampleId :

A4CS3MS

Tgt Ion:180 Resp: 60463

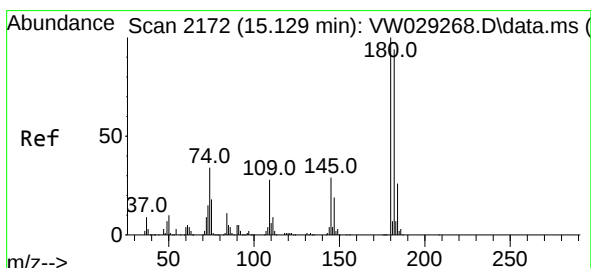
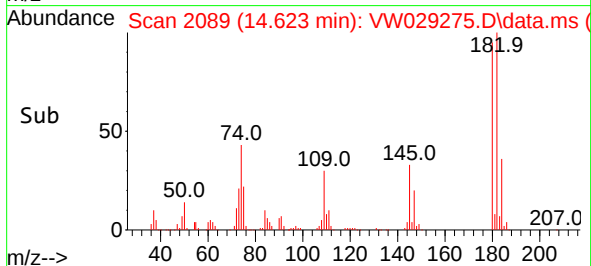
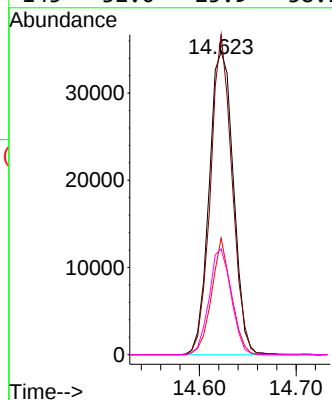
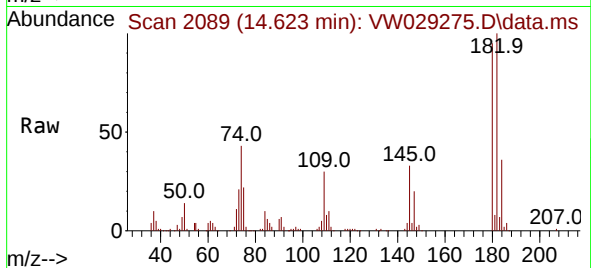
Ion Ratio Lower Upper

180 100

182 94.1 72.9 109.3

184 31.2 23.8 35.6

145 32.0 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 14.020 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW029275.D

Acq: 20 Jun 2024 22:55

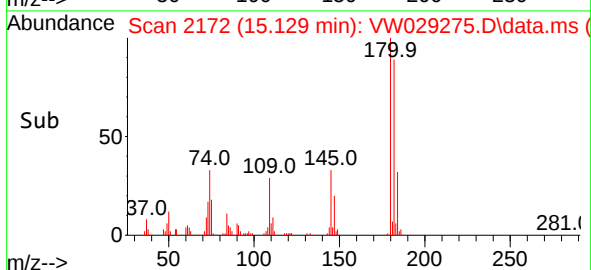
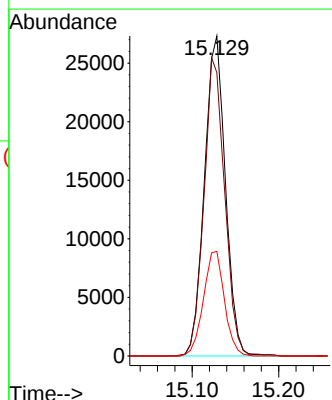
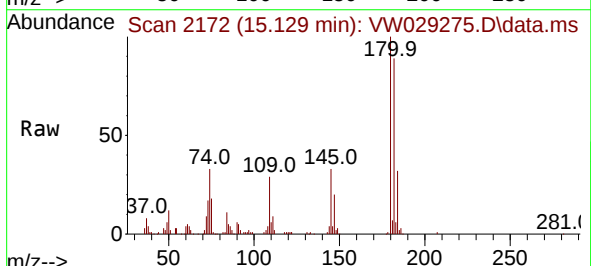
Tgt Ion:180 Resp: 45936

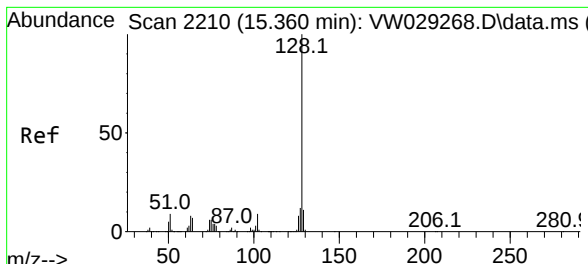
Ion Ratio Lower Upper

180 100

182 91.7 77.7 116.5

145 32.8 25.7 38.5

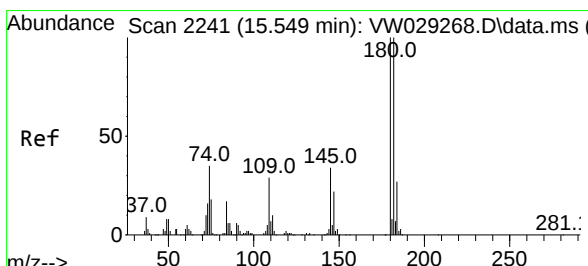
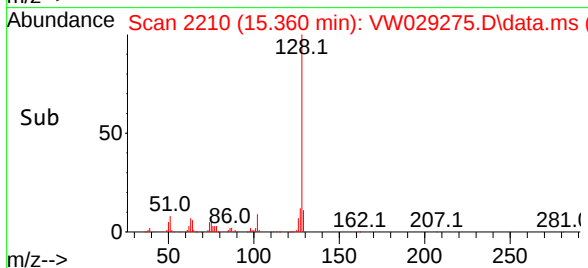
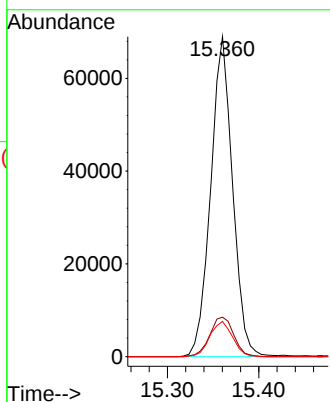
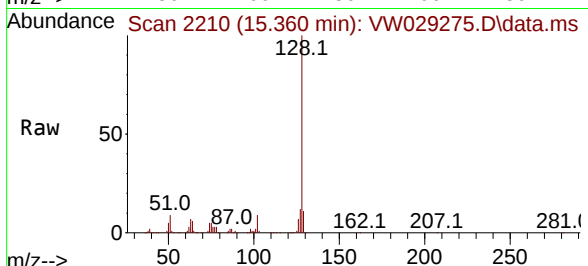




#71
Naphthalene
Concen: 17.767 ug/L
RT: 15.360 min Scan# 211
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Instrument :
MSVOA_W
ClientSampleId :
A4CS3MS

Tgt Ion:	128	Resp:	114890
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.4	8.9	13.3



#72
1,2,3-Trichlorobenzene
Concen: 12.344 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW029275.D
Acq: 20 Jun 2024 22:55

Tgt Ion:	180	Resp:	36852
Ion	Ratio	Lower	Upper
180	100		
182	100.3	73.0	109.6
145	35.6	28.1	42.1

