

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060424\
 Data File : VW029005.D
 Acq On : 04 Jun 2024 19:17
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 05 00:52:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 05 00:46:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	320896	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	302335	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	154150	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	110536	21.683	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.720%
7) Chloroethane-d5	2.899	69	87082	22.245	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	4.027	65	49074	21.902	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.600%
21) 2-Butanone-d5	7.075	46	55743	53.518	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.040%
24) Chloroform-d	7.648	84	214429	23.422	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.680%
26) 1,2-Dichloroethane-d4	8.301	65	117807	24.443	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.760%
32) Benzene-d6	8.270	84	426065	22.960	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.840%
36) 1,2-Dichloropropane-d6	9.270	67	130697	23.230	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.920%
41) Toluene-d8	10.318	98	387250	23.386	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.560%
43) trans-1,3-Dichloroprop...	10.575	79	49397	22.848	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.400%
47) 2-Hexanone-d5	10.922	63	40339	54.331	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.660%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	100756	25.778	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.120%
66) 1,2-Dichlorobenzene-d4	13.848	152	124863	22.826	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	70075	19.124	ug/L	# 85
3) Chloromethane	2.222	50	98244	21.946	ug/L	97
5) Vinyl chloride	2.375	62	115908	21.390	ug/L	99
6) Bromomethane	2.789	94	69351	21.360	ug/L	94
8) Chloroethane	2.936	64	72421	22.130	ug/L	100
9) Trichlorofluoromethane	3.271	101	91683	20.354	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	97169	21.862	ug/L	94
12) 1,1-Dichloroethene	4.039	96	92851	22.891	ug/L	88
13) Acetone	4.124	43	44202	40.496	ug/L	98
14) Carbon disulfide	4.393	76	303859	22.127	ug/L	100
15) Methyl Acetate	4.673	43	49931	27.542	ug/L	98
16) Methylene chloride	4.917	84	127908	26.558	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	103980	23.512	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	156912	25.444	ug/L	99
19) 1,1-Dichloroethane	6.216	63	210148	24.170	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	115197	24.846	ug/L	98
22) 2-Butanone	7.167	43	63921	48.599	ug/L	98
23) Bromochloromethane	7.514	128	49717	24.565	ug/L	98
25) Chloroform	7.673	83	207574	24.580	ug/L	95

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 Response via : Initial Calibration

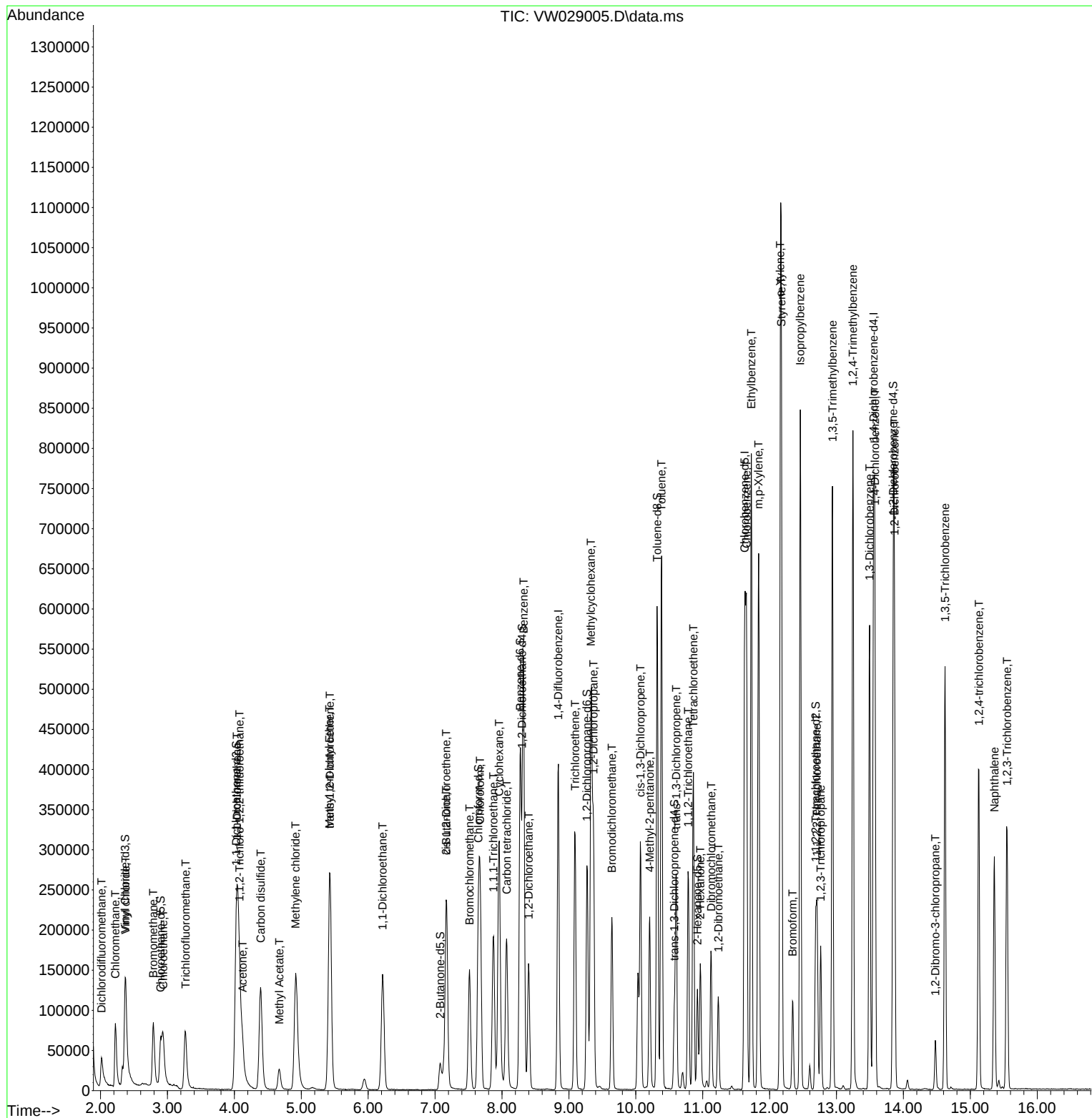
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	142822	25.237	ug/L	99
29) Cyclohexane	7.959	56	179997	23.945	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	153083	21.853	ug/L	98
31) Carbon tetrachloride	8.069	117	144241	22.606	ug/L	97
33) Benzene	8.325	78	453381	24.117	ug/L	100
34) Trichloroethene	9.093	95	118287	23.933	ug/L	96
35) Methylcyclohexane	9.331	83	194893	23.245	ug/L	98
37) 1,2-Dichloropropane	9.367	63	120150	24.406	ug/L	100
38) Bromodichloromethane	9.642	83	144063	23.995	ug/L	93
39) cis-1,3-Dichloropropene	10.069	75	178066	24.889	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	145086	57.942	ug/L	99
42) Toluene	10.386	91	480189	25.004	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	145140	25.164	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	85153	25.612	ug/L	96
46) Tetrachloroethene	10.861	164	87921	23.415	ug/L	94
48) 2-Hexanone	10.965	43	102040	54.353	ug/L	100
49) Dibromochloromethane	11.129	129	88241	25.128	ug/L	92
50) 1,2-Dibromoethane	11.233	107	76740	25.284	ug/L	98
51) Chlorobenzene	11.654	112	296592	24.042	ug/L	96
52) Ethylbenzene	11.727	91	529927	24.286	ug/L	97
53) m,p-Xylene	11.836	106	201147	24.888	ug/L	92
54) o-Xylene	12.160	106	189009	25.257	ug/L	92
55) Styrene	12.178	104	334160	25.900	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	100423	26.756	ug/L	98
59) Bromoform	12.342	173	49972	25.210	ug/L	99
60) Isopropylbenzene	12.458	105	519843	23.829	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	72990	25.102	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	384701	24.245	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	422354	25.187	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	228488	24.372	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	224611	22.939	ug/L	94
67) 1,2-Dichlorobenzene	13.867	146	209384	24.919	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.476	75	15198	24.523	ug/L	96
69) 1,3,5-Trichlorobenzene	14.623	180	151440	23.526	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	123358	23.645	ug/L	98
71) Naphthalene	15.360	128	234780	26.413	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	108033	24.237	ug/L	98

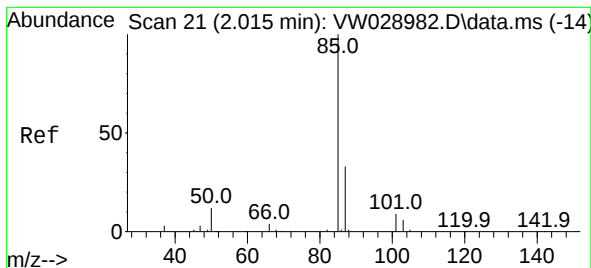
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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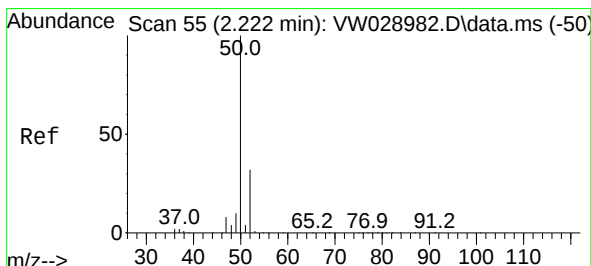
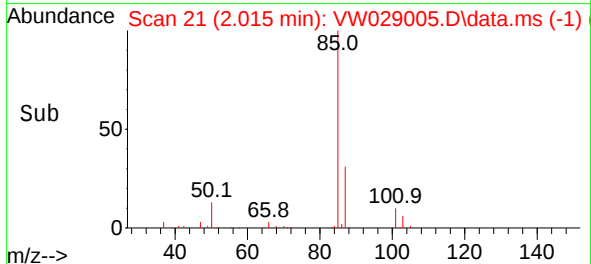
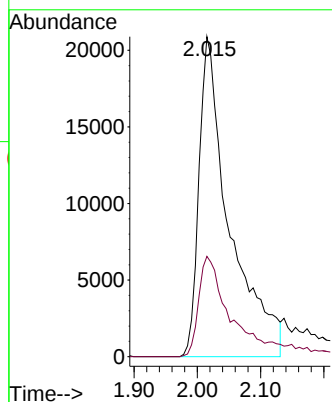
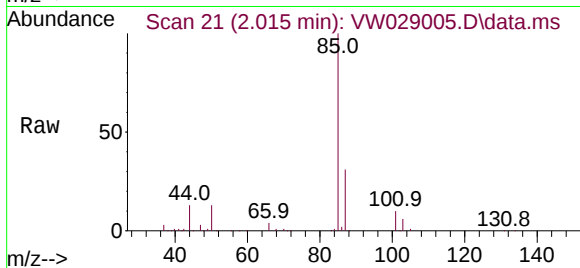




#2
 Dichlorodifluoromethane
 Concen: 19.124 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW029005.D
 Acq: 04 Jun 2024 19:17

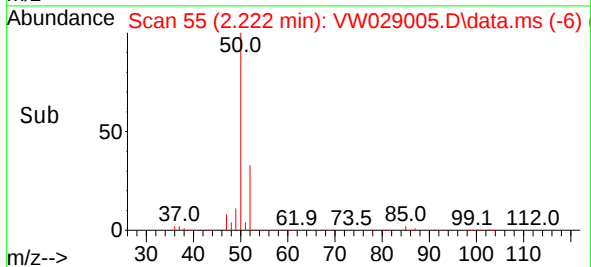
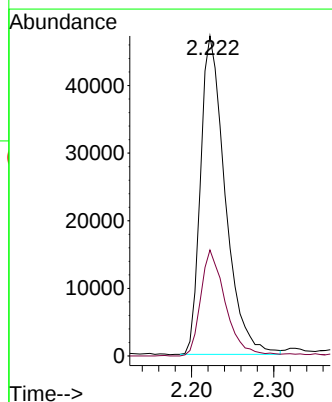
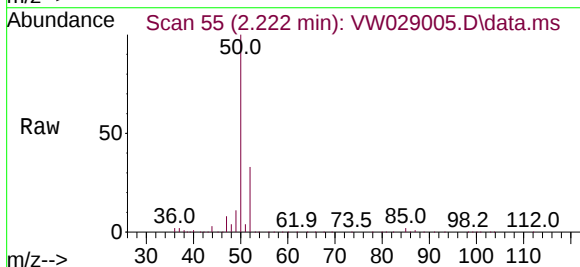
Instrument :
 MSVOA_W
 ClientSampleId :

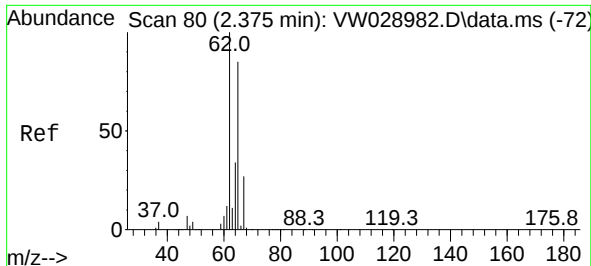
Tgt Ion: 85 Resp: 70075
 Ion Ratio Lower Upper
 85 100
 87 23.2 25.3 37.9#



#3
 Chloromethane
 Concen: 21.946 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW029005.D
 Acq: 04 Jun 2024 19:17

Tgt Ion: 50 Resp: 98244
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.1 41.1

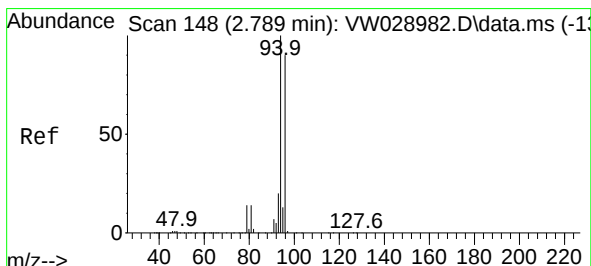
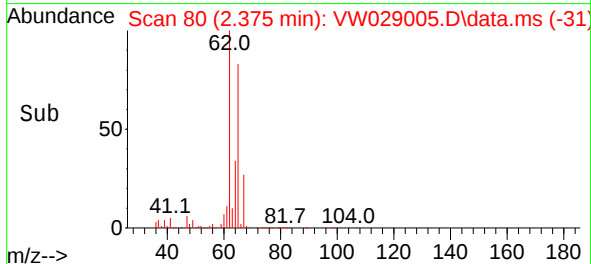
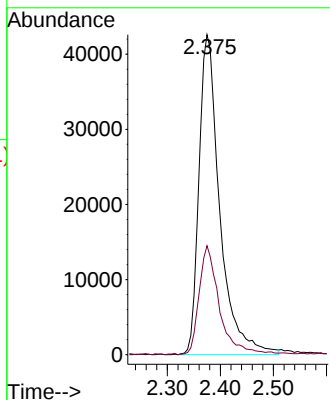
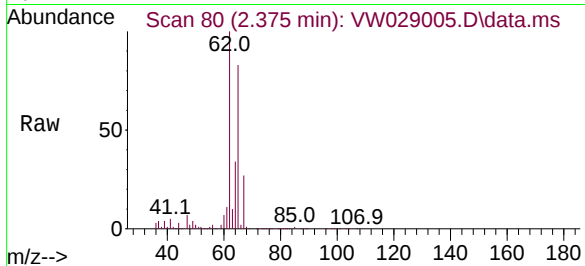




#5
 Vinyl chloride
 Concen: 21.390 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW029005.D
 Acq: 04 Jun 2024 19:17

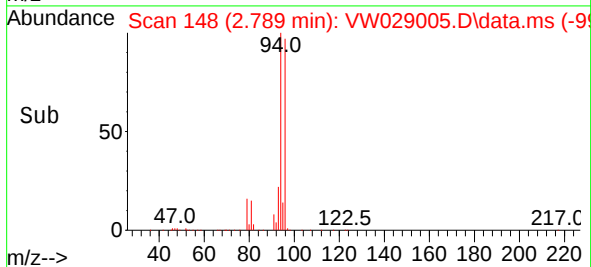
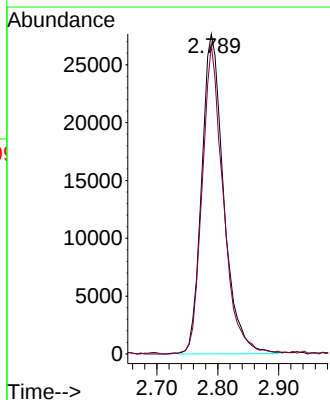
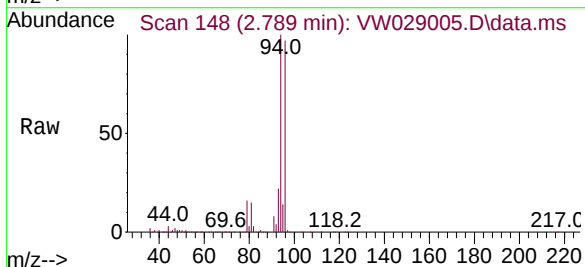
Instrument :
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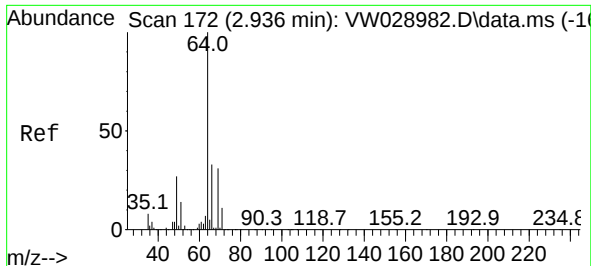
Tgt Ion: 62 Resp: 115908
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.4 43.4



#6
 Bromomethane
 Concen: 21.360 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW029005.D
 Acq: 04 Jun 2024 19:17

Tgt Ion: 94 Resp: 69351
 Ion Ratio Lower Upper
 94 100
 96 96.7 63.7 118.3

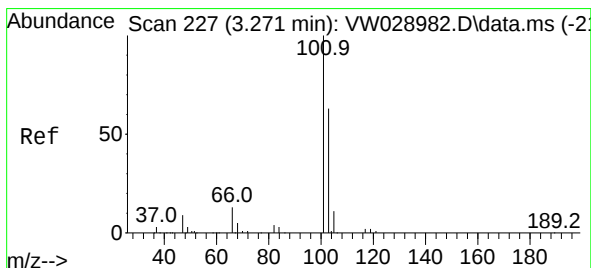
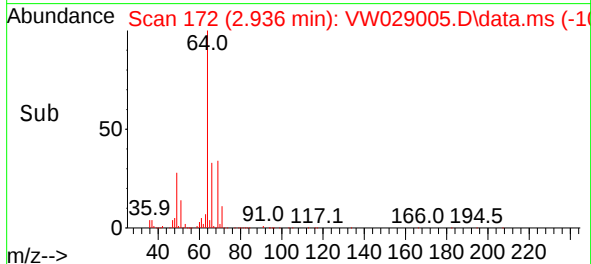
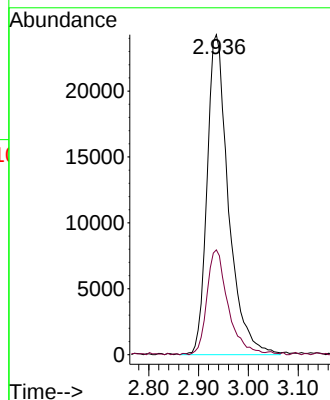
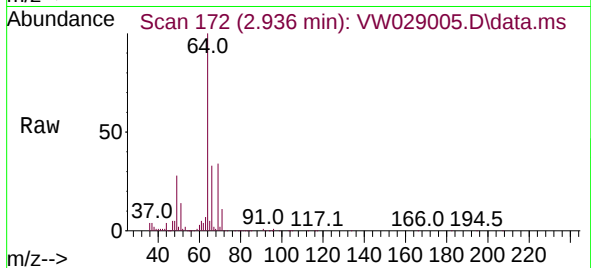




#8
Chloroethane
Concen: 22.130 ug/L
RT: 2.936 min Scan# 172
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

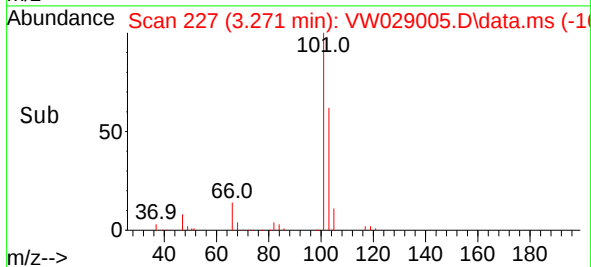
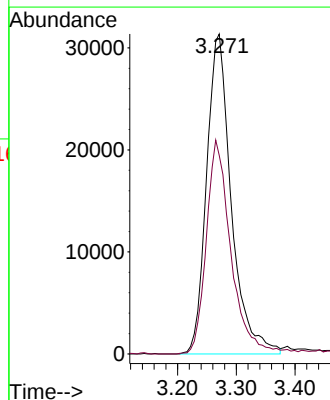
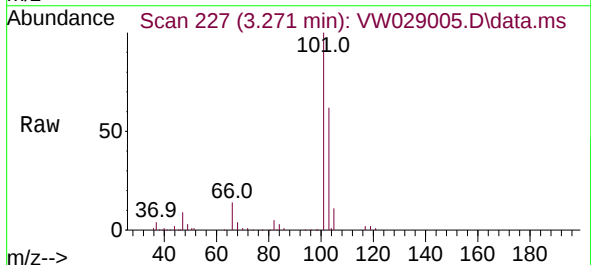
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MSVOA_W
ClientSampleId :

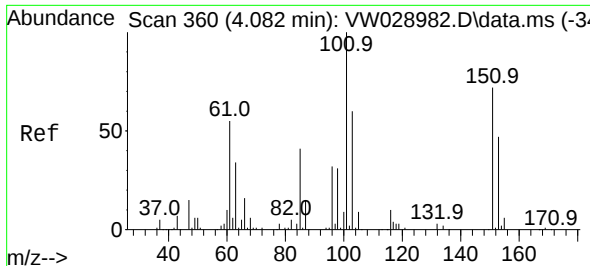
Tgt Ion: 64 Resp: 72421
Ion Ratio Lower Upper
64 100
66 32.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 20.354 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

Tgt Ion:101 Resp: 91683
Ion Ratio Lower Upper
101 100
103 65.0 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 21.862 ug/L

RT: 4.076 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :

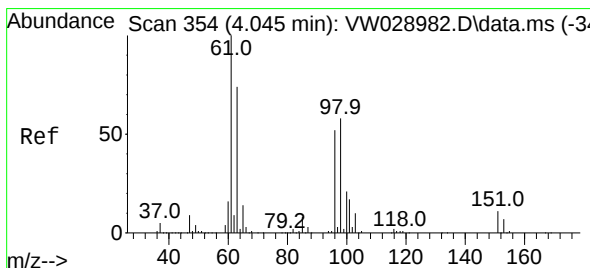
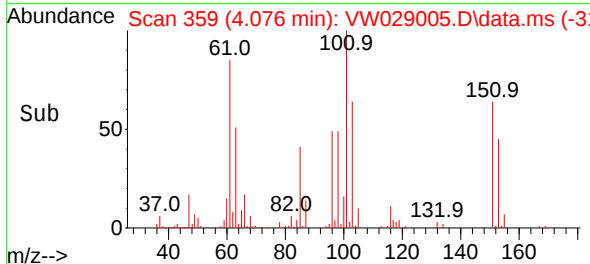
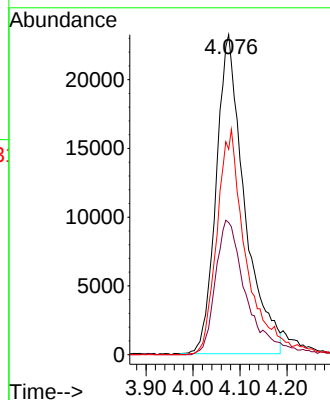
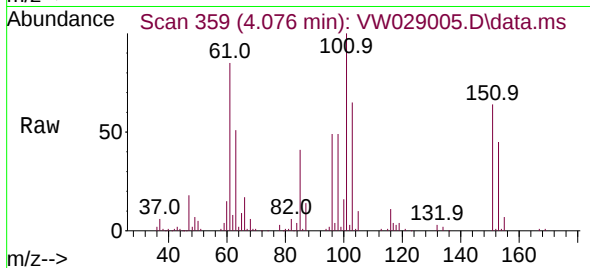
Tgt Ion:101 Resp: 97169

Ion Ratio Lower Upper

101 100

85 41.1 35.8 53.8

151 68.5 58.5 87.7



#12

1,1-Dichloroethene

Concen: 22.891 ug/L

RT: 4.039 min Scan# 353

Delta R.T. -0.006 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

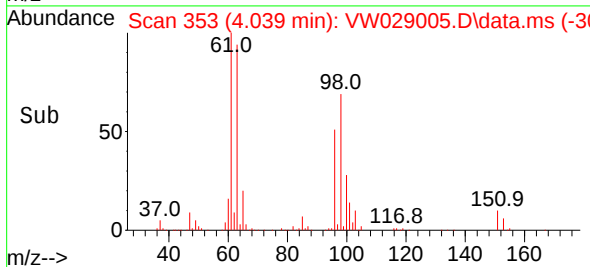
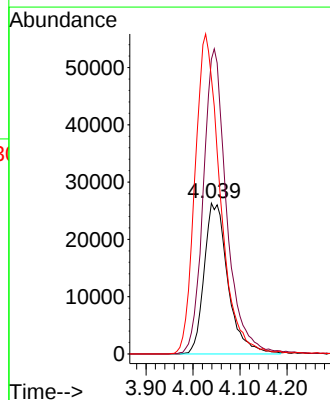
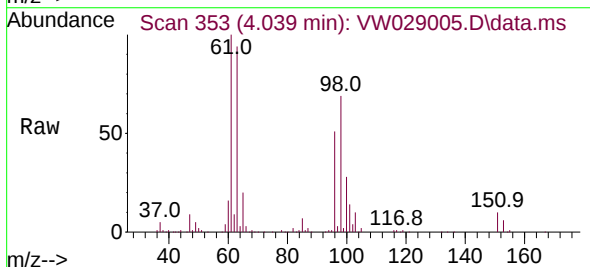
Tgt Ion: 96 Resp: 92851

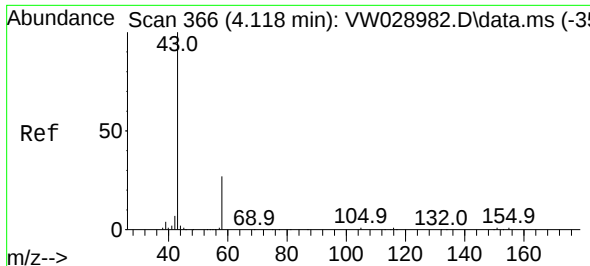
Ion Ratio Lower Upper

96 100

61 195.5 132.2 245.4

63 182.9 108.4 201.2

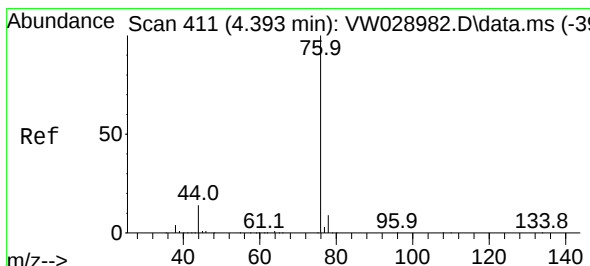
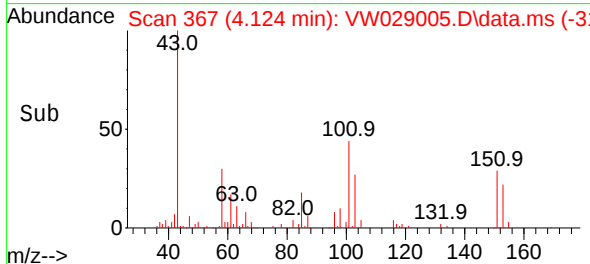
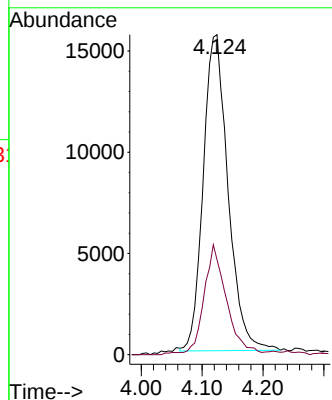
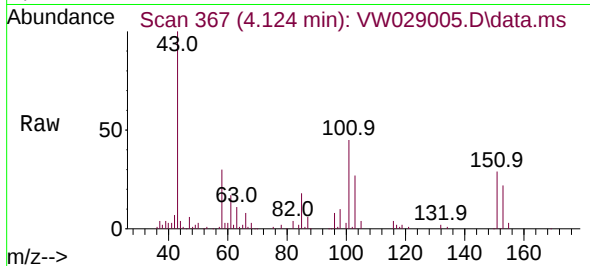




#13
Acetone
Concen: 40.496 ug/L
RT: 4.124 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

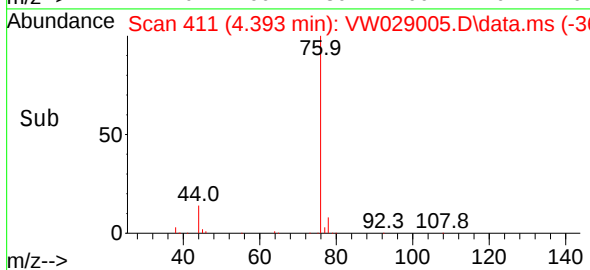
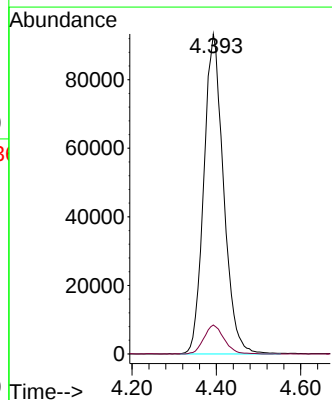
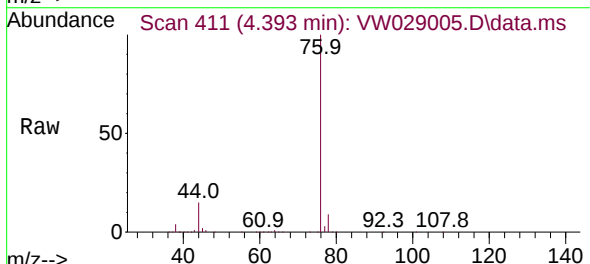
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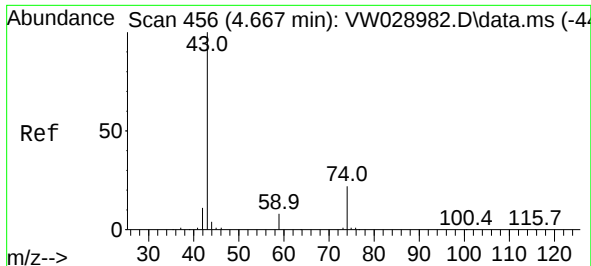
Tgt Ion: 43 Resp: 44202
Ion Ratio Lower Upper
43 100
58 30.8 0.0 59.4



#14
Carbon disulfide
Concen: 22.127 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 303859
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 27.542 ug/L

RT: 4.673 min Scan# 4

Delta R.T. 0.006 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

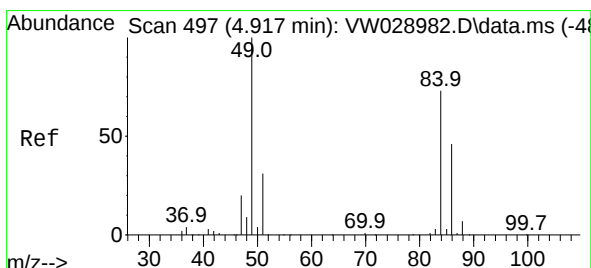
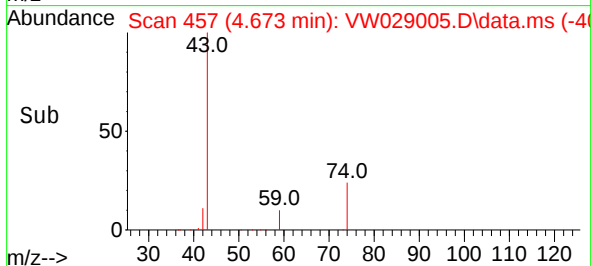
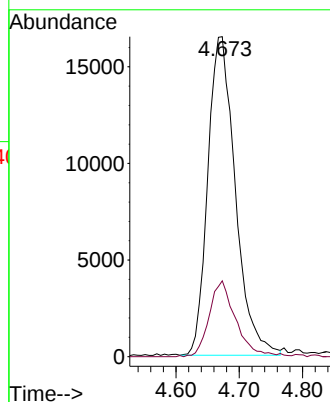
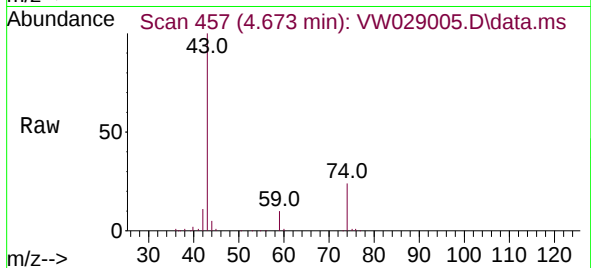
ClientSampleId :

Tgt Ion: 43 Resp: 49931

Ion Ratio Lower Upper

43 100

74 22.7 17.4 26.2



#16

Methylene chloride

Concen: 26.558 ug/L

RT: 4.917 min Scan# 497

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

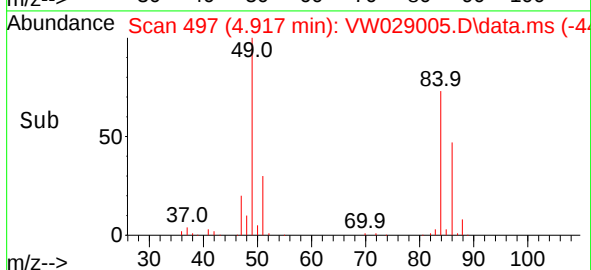
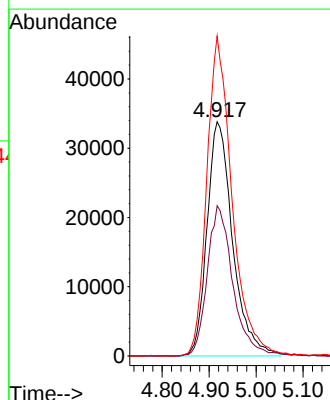
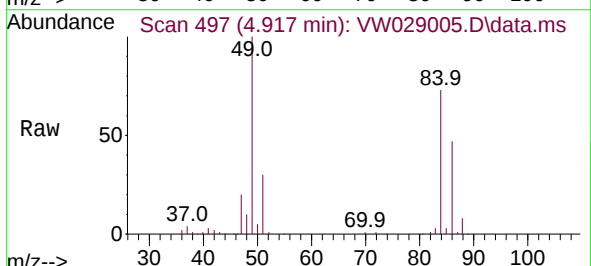
Tgt Ion: 84 Resp: 127908

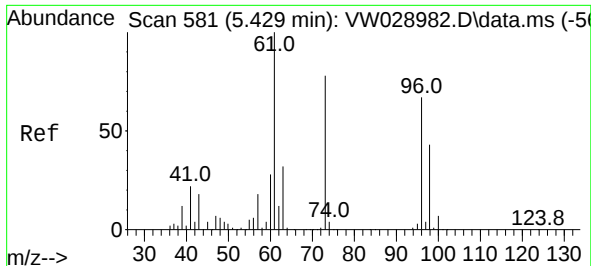
Ion Ratio Lower Upper

84 100

86 64.1 43.8 81.4

49 136.6 91.3 169.5





#17

trans-1,2-Dichloroethene

Concen: 23.512 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :

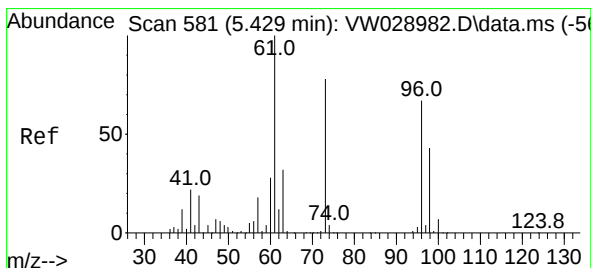
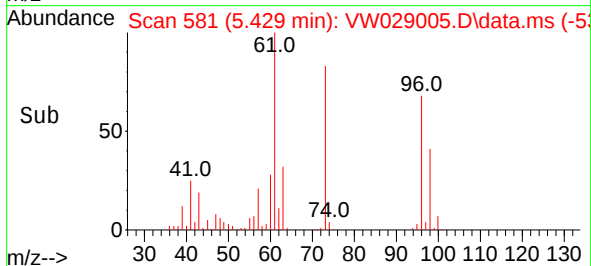
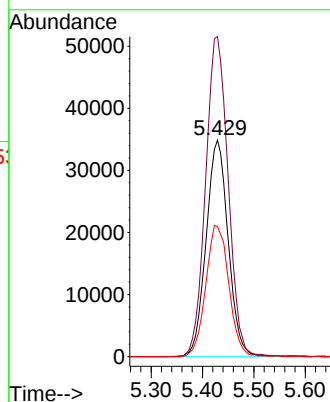
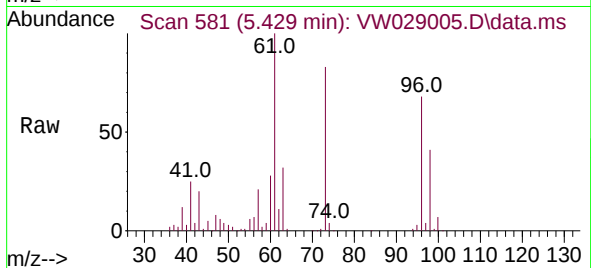
Tgt Ion: 96 Resp: 103980

Ion Ratio Lower Upper

96 100

61 147.7 104.6 194.2

98 60.0 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 25.444 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

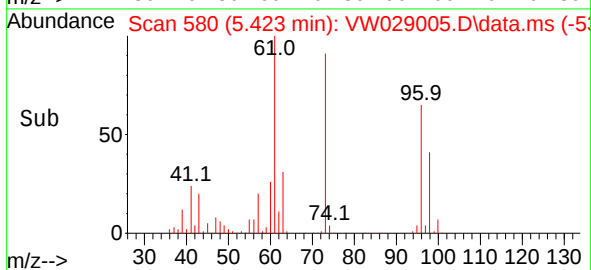
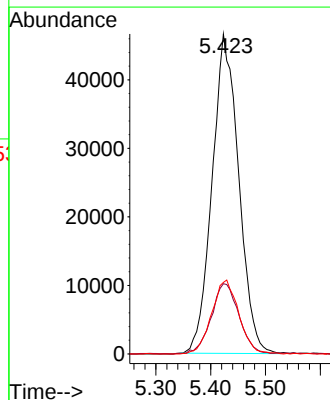
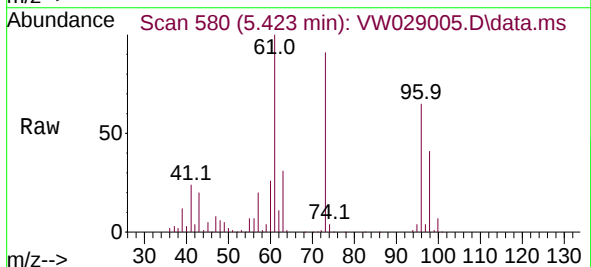
Tgt Ion: 73 Resp: 156912

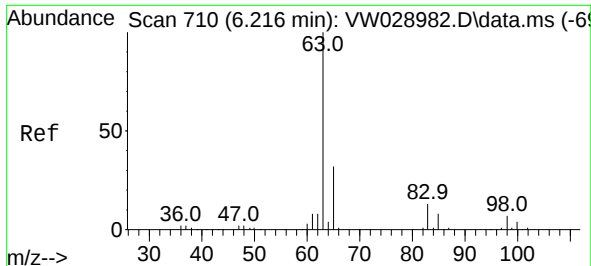
Ion Ratio Lower Upper

73 100

43 22.5 17.8 26.6

57 23.6 18.4 27.6





#19

1,1-Dichloroethane

Concen: 24.170 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :

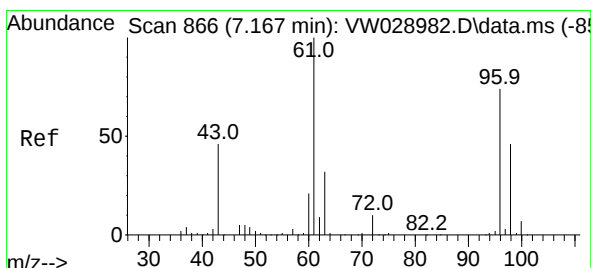
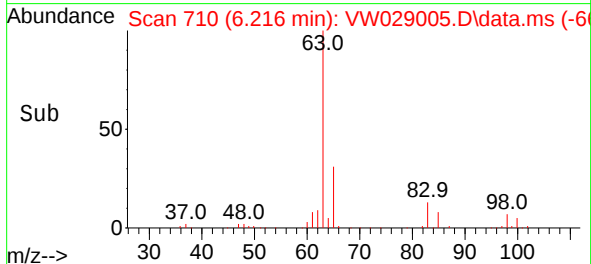
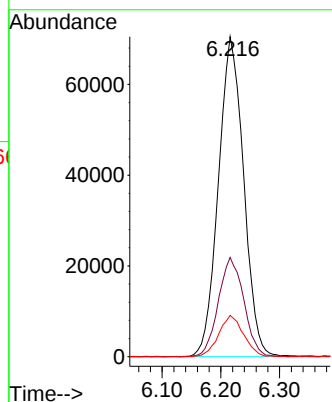
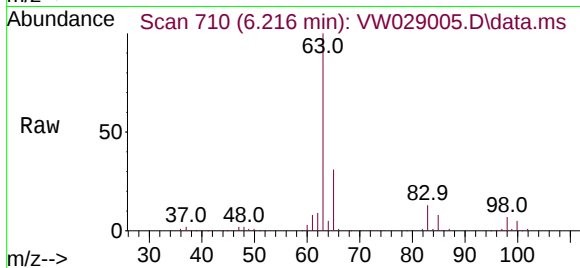
Tgt Ion: 63 Resp: 210148

Ion Ratio Lower Upper

63 100

65 31.0 21.8 40.6

83 12.9 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 24.846 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

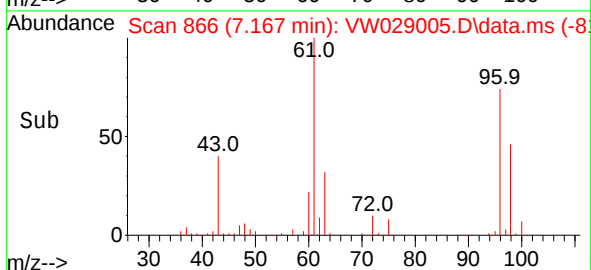
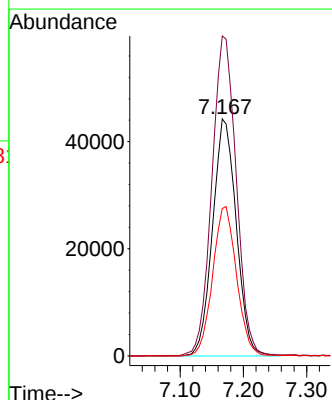
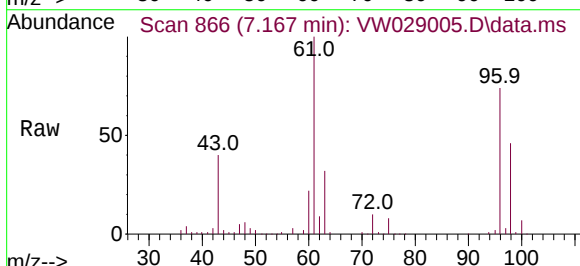
Tgt Ion: 96 Resp: 115197

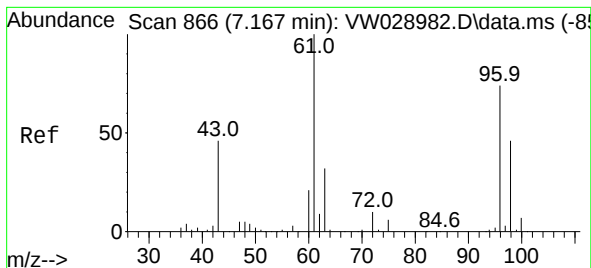
Ion Ratio Lower Upper

96 100

61 134.9 92.9 172.5

98 62.2 45.2 84.0





#22

2-Butanone

Concen: 48.599 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

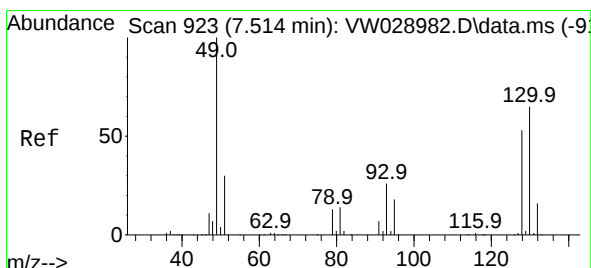
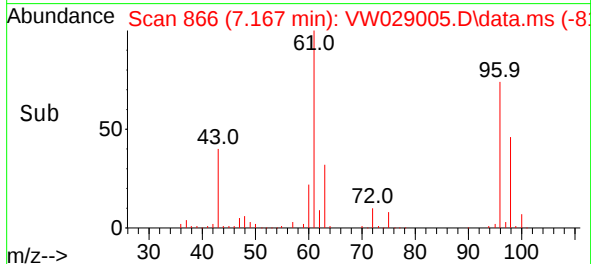
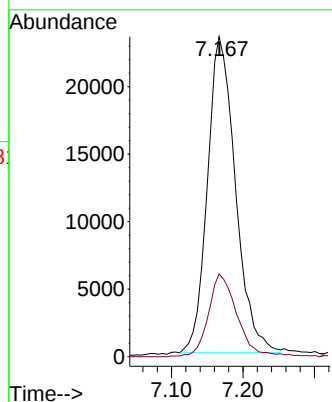
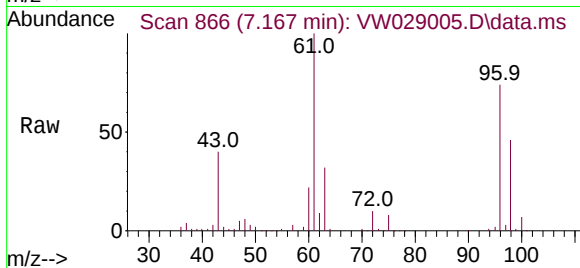
ClientSampleId :

Tgt Ion: 43 Resp: 63921

Ion Ratio Lower Upper

43 100

72 26.0 12.5 37.5



#23

Bromochloromethane

Concen: 24.565 ug/L

RT: 7.514 min Scan# 923

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Tgt Ion: 128 Resp: 49717

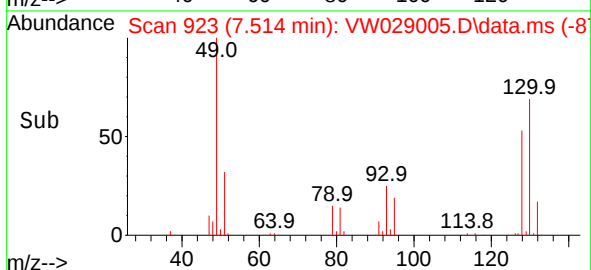
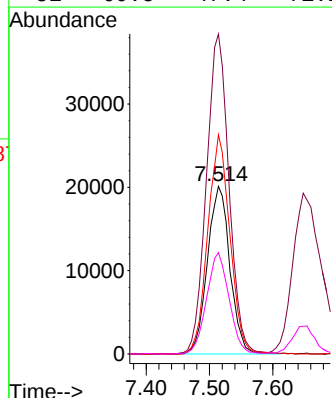
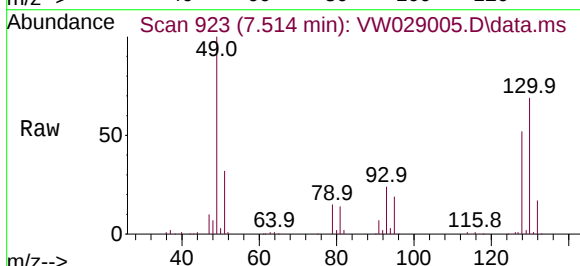
Ion Ratio Lower Upper

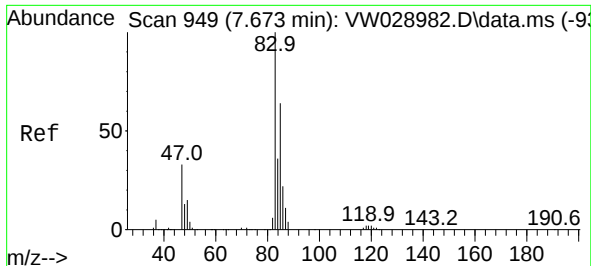
128 100

49 190.9 135.9 252.3

130 130.8 89.0 165.2

51 60.5 47.4 71.2





#25

Chloroform

Concen: 24.580 ug/L

RT: 7.673 min Scan# 949

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

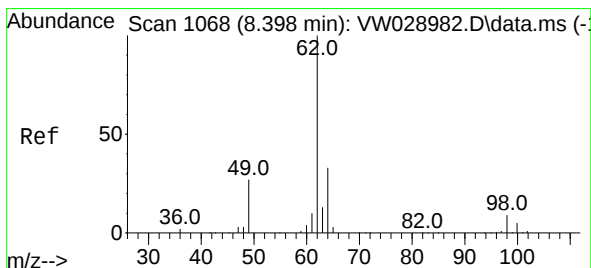
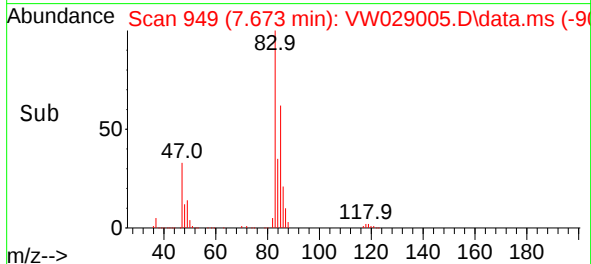
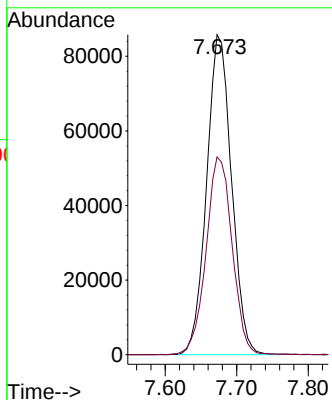
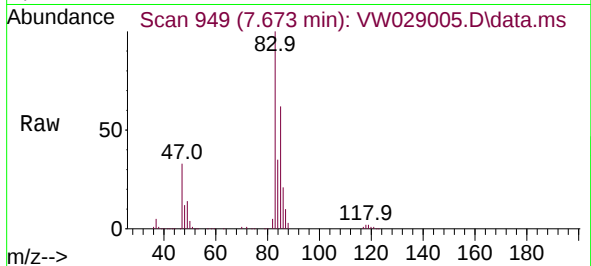
ClientSampleId :

Tgt Ion: 83 Resp: 207574

Ion Ratio Lower Upper

83 100

85 61.8 45.8 85.2



#27

1,2-Dichloroethane

Concen: 25.237 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW029005.D

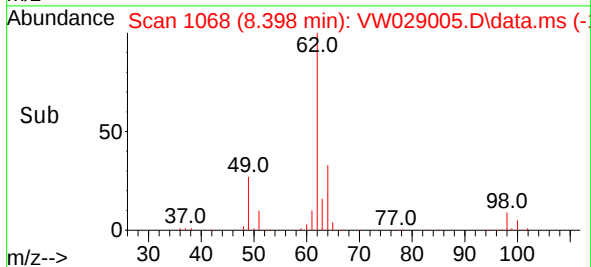
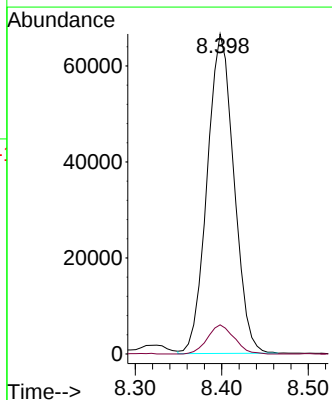
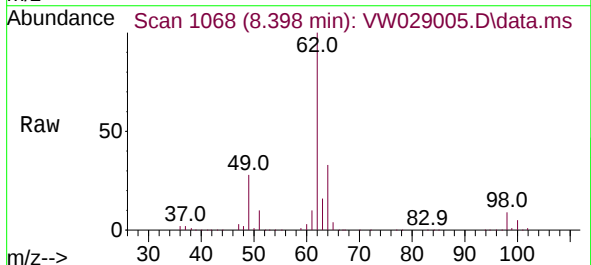
Acq: 04 Jun 2024 19:17

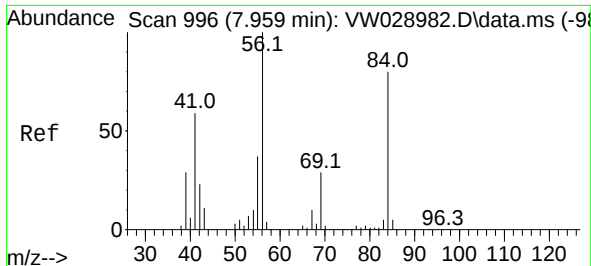
Tgt Ion: 62 Resp: 142822

Ion Ratio Lower Upper

62 100

98 9.1 7.1 10.7





#29

Cyclohexane

Concen: 23.945 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :

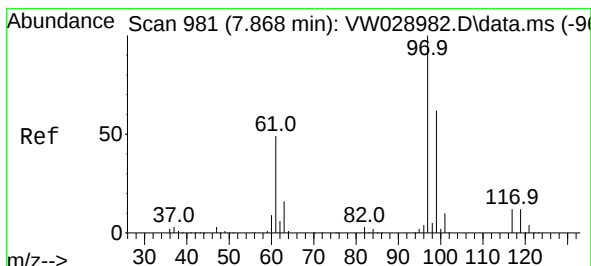
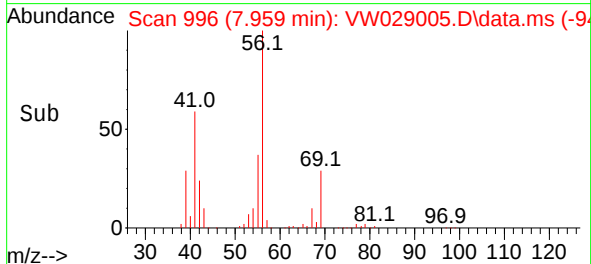
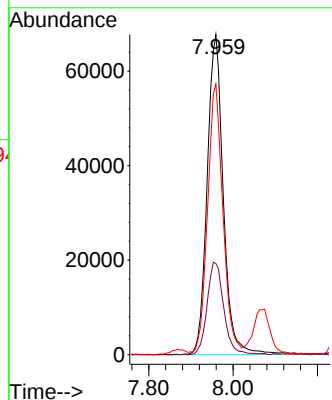
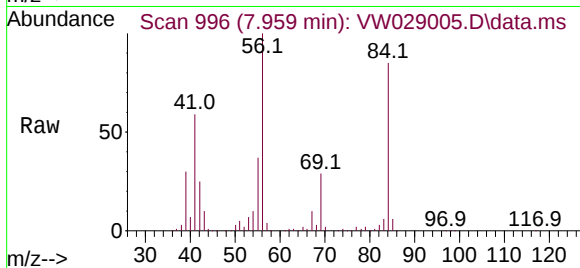
Tgt Ion: 56 Resp: 179997

Ion Ratio Lower Upper

56 100

69 29.6 24.2 36.4

84 80.4 65.4 98.2



#30

1,1,1-Trichloroethane

Concen: 21.853 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

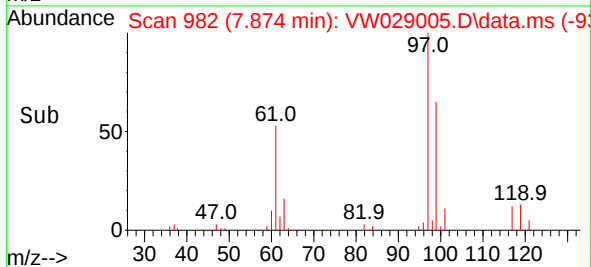
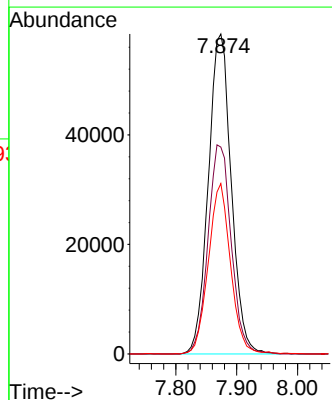
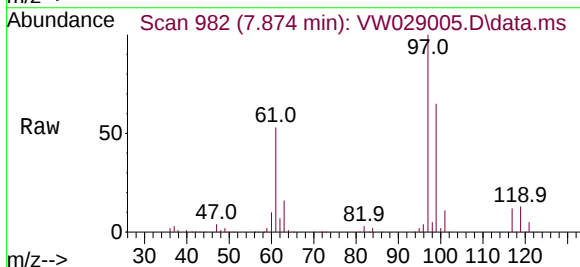
Tgt Ion: 97 Resp: 153083

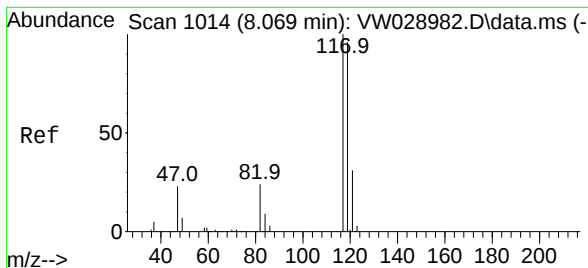
Ion Ratio Lower Upper

97 100

99 66.1 51.6 77.4

61 51.3 39.6 59.4





#31

Carbon tetrachloride

Concen: 22.606 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

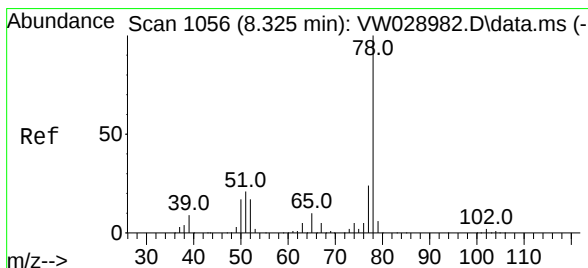
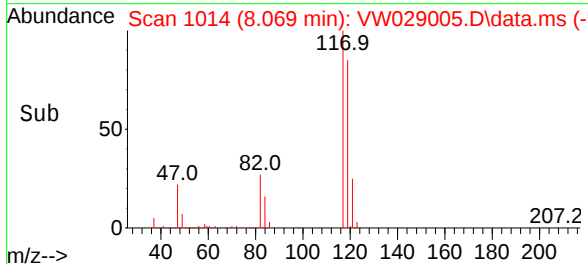
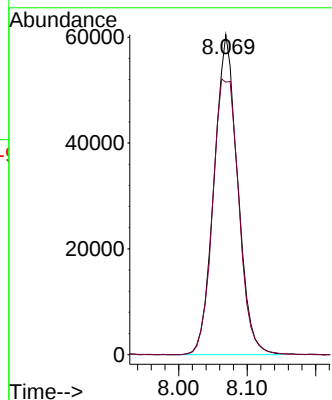
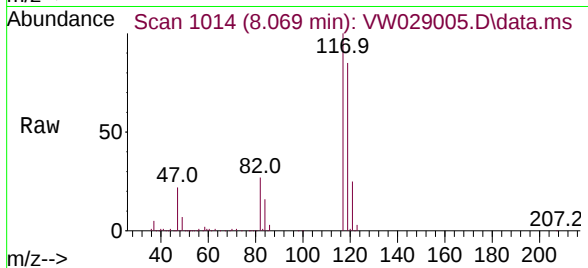
ClientSampleId :

Tgt Ion:117 Resp: 144241

Ion Ratio Lower Upper

117 100

119 95.6 78.8 118.2



#33

Benzene

Concen: 24.117 ug/L

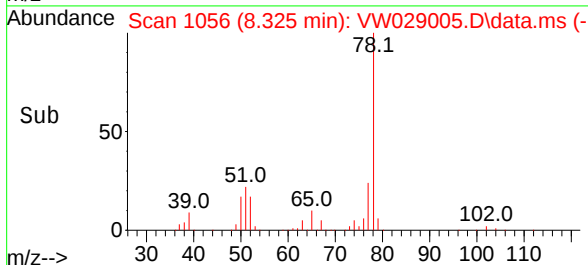
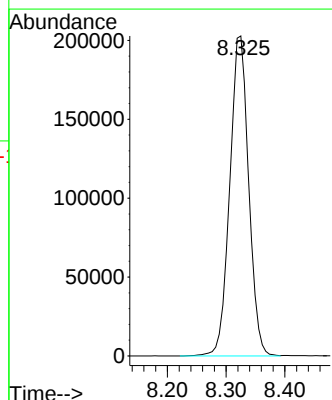
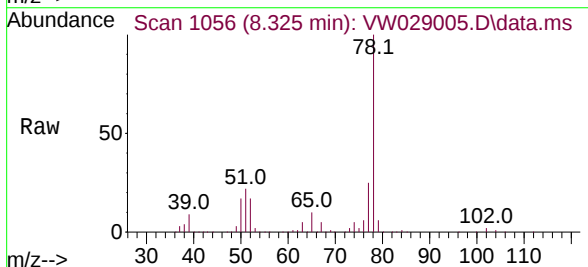
RT: 8.325 min Scan# 1056

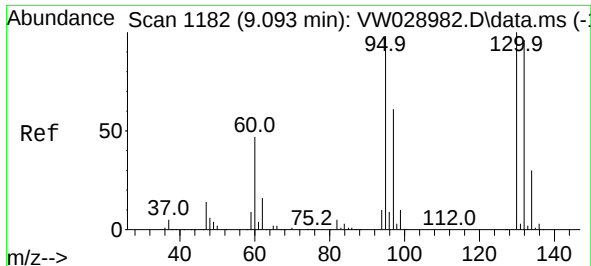
Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Tgt Ion: 78 Resp: 453381





#34

Trichloroethene

Concen: 23.933 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 118287

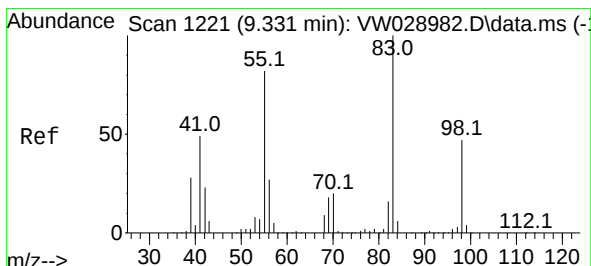
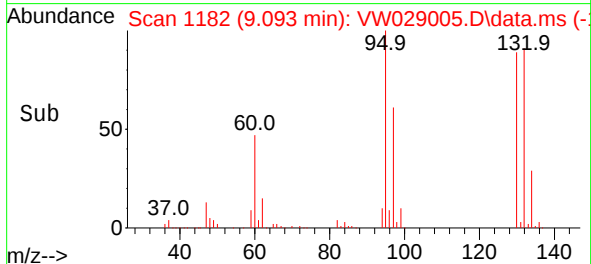
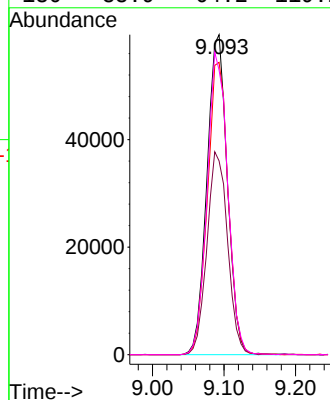
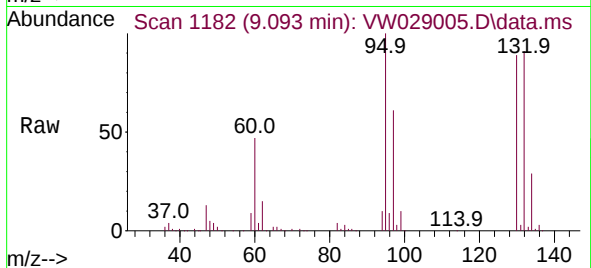
Ion Ratio Lower Upper

95 100

97 60.6 41.9 77.7

132 91.3 60.1 111.5

130 88.9 64.2 119.2



#35

Methylcyclohexane

Concen: 23.245 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

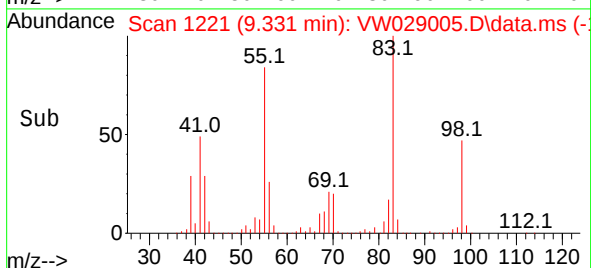
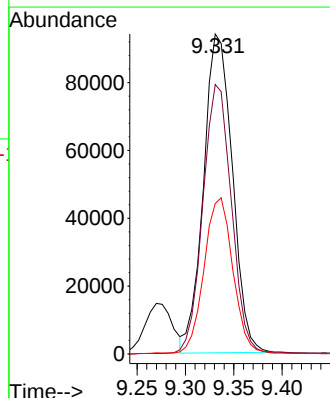
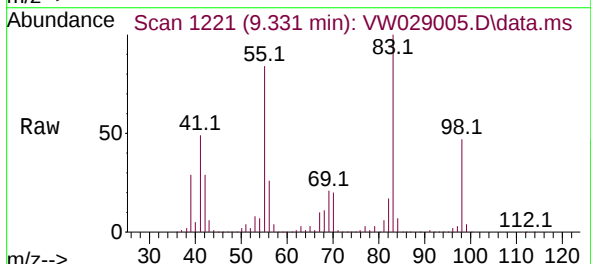
Tgt Ion: 83 Resp: 194893

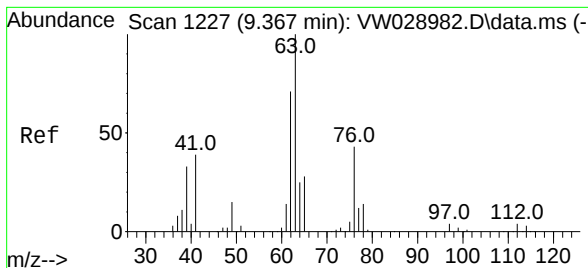
Ion Ratio Lower Upper

83 100

55 84.5 65.8 98.6

98 49.4 38.4 57.6





#37

1,2-Dichloropropane

Concen: 24.406 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

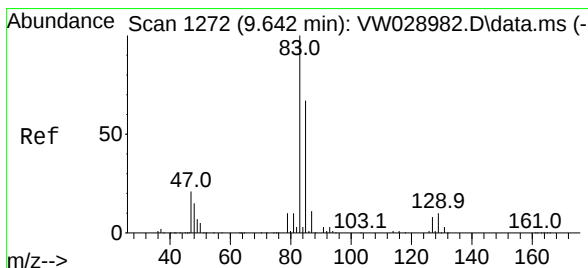
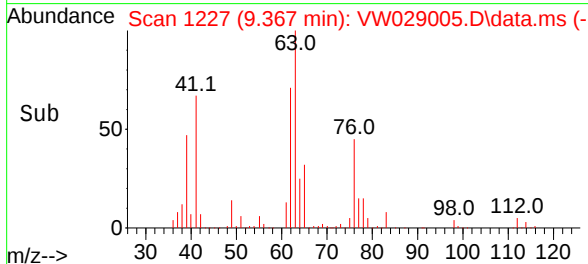
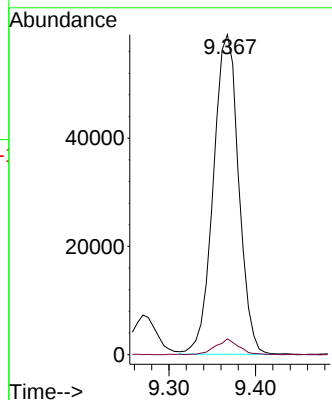
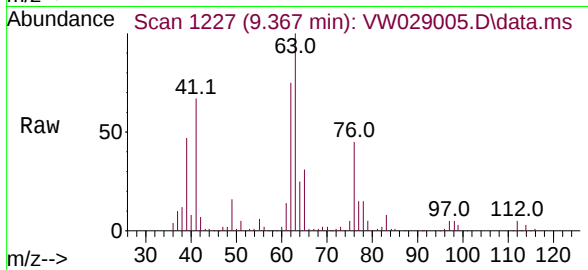
ClientSampleId :

Tgt Ion: 63 Resp: 120150

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 23.995 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

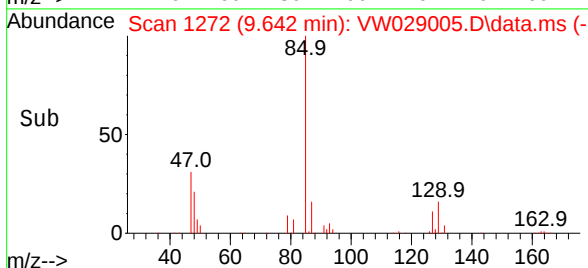
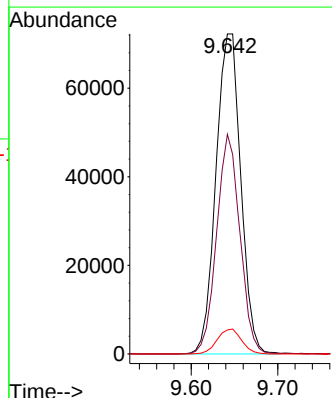
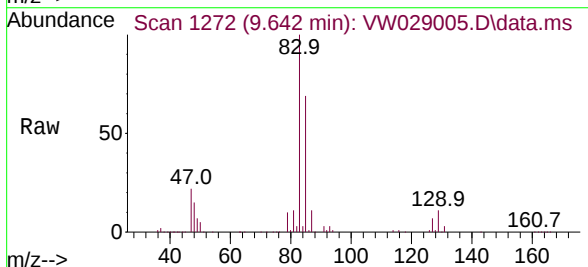
Tgt Ion: 83 Resp: 144063

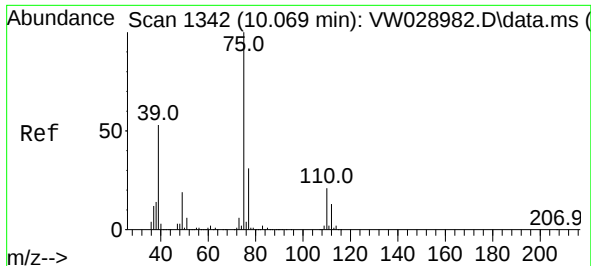
Ion Ratio Lower Upper

83 100

85 68.6 43.9 81.5

127 7.5 5.4 8.2





#39

cis-1,3-Dichloropropene

Concen: 24.889 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

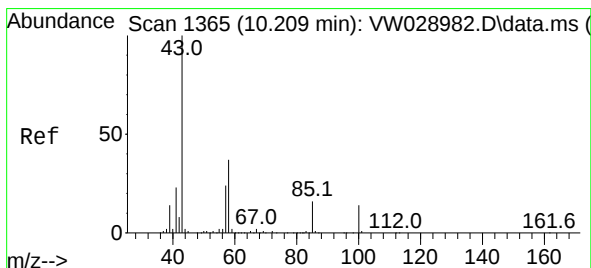
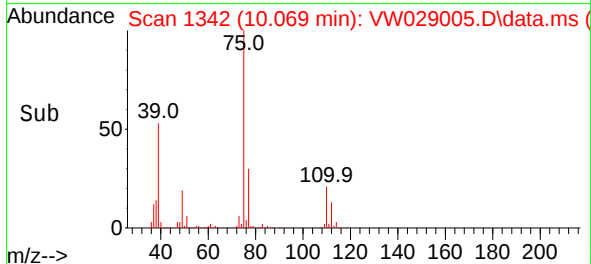
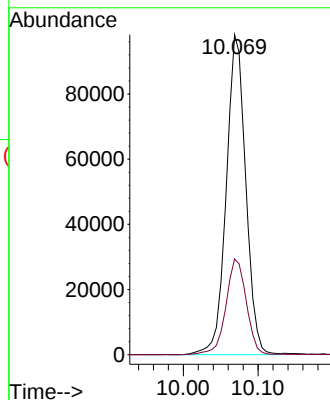
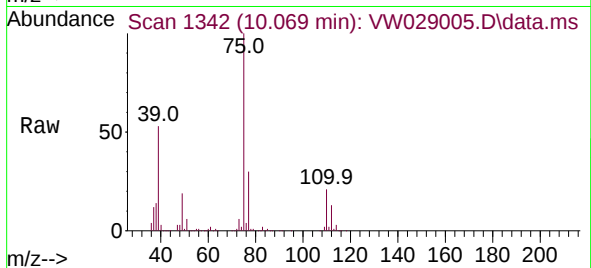
ClientSampleId :

Tgt Ion: 75 Resp: 178066

Ion Ratio Lower Upper

75 100

77 29.9 21.0 39.0



#40

4-Methyl-2-pentanone

Concen: 57.942 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

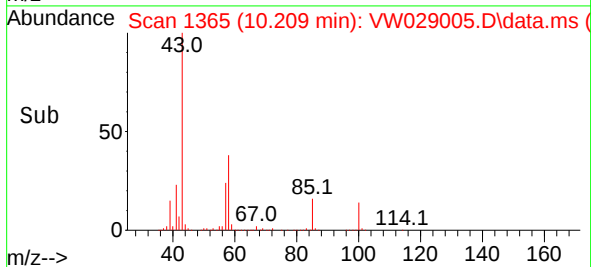
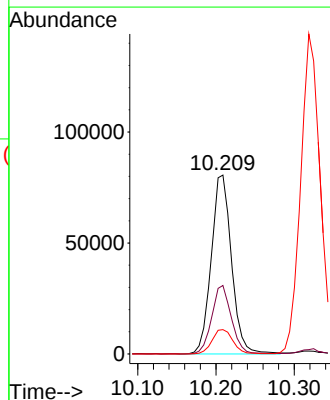
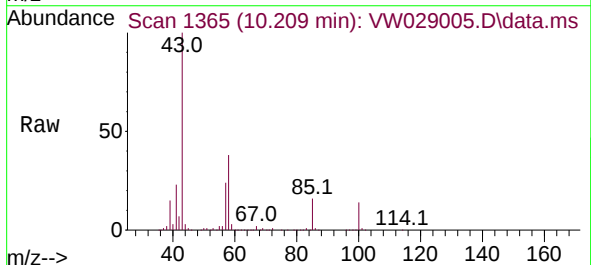
Tgt Ion: 43 Resp: 145086

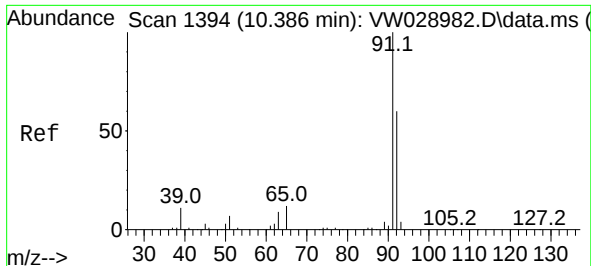
Ion Ratio Lower Upper

43 100

58 37.2 30.3 45.5

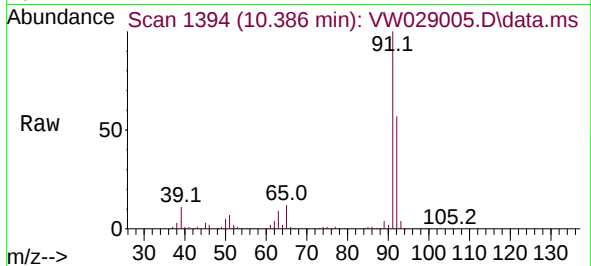
100 14.1 10.7 16.1



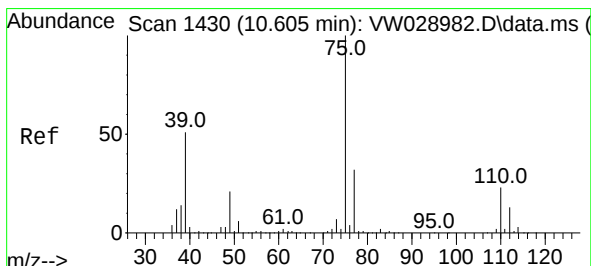
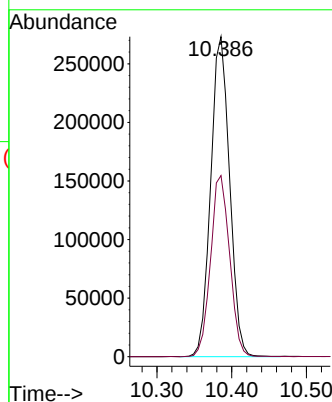
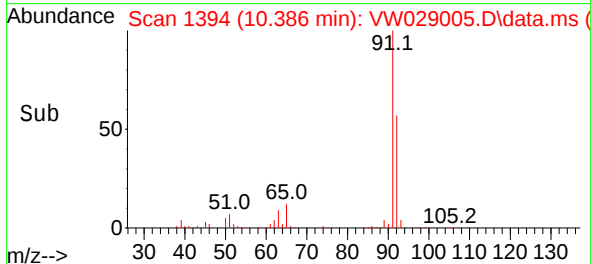


#42
Toluene
Concen: 25.004 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

Instrument :
MSVOA_W
ClientSampleId :

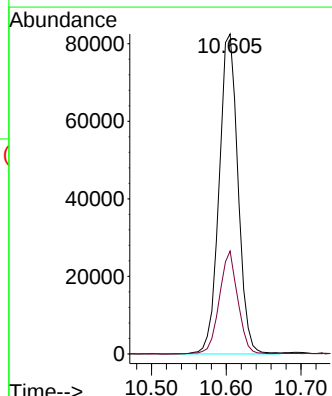
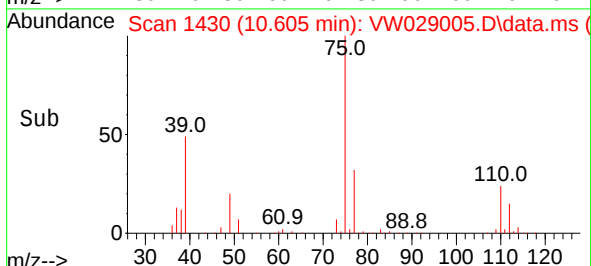
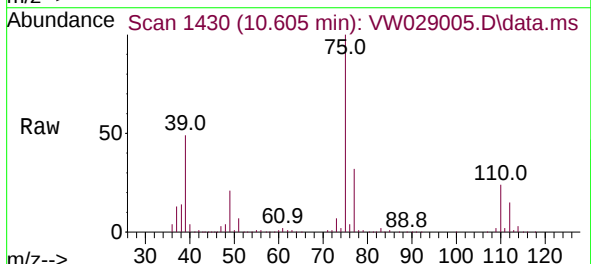


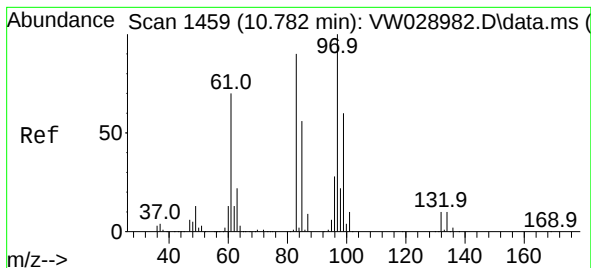
Tgt Ion: 91 Resp: 480189
Ion Ratio Lower Upper
91 100
92 56.6 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 25.164 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

Tgt Ion: 75 Resp: 145140
Ion Ratio Lower Upper
75 100
77 32.1 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 25.612 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

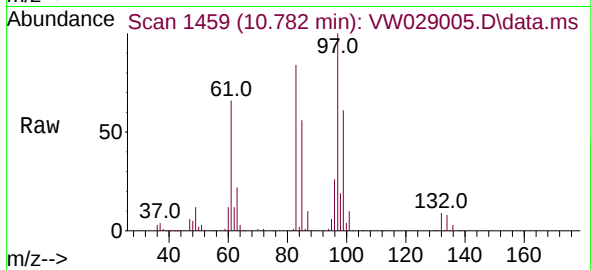
Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 85153

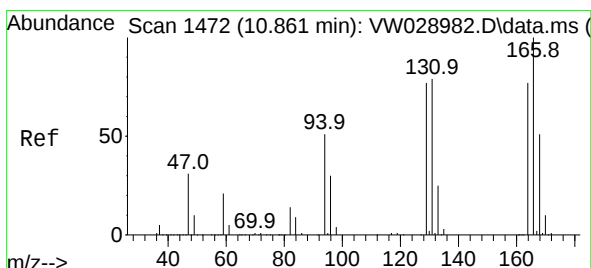
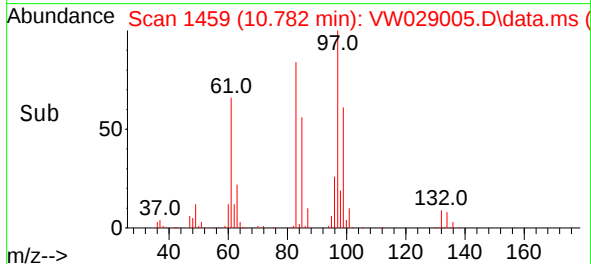
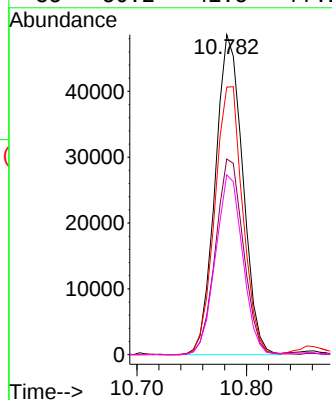
Ion Ratio Lower Upper

97 100

99 61.2 41.8 77.6

83 83.6 62.4 115.8

85 56.2 41.5 77.1



#46

Tetrachloroethene

Concen: 23.415 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Tgt Ion:164 Resp: 87921

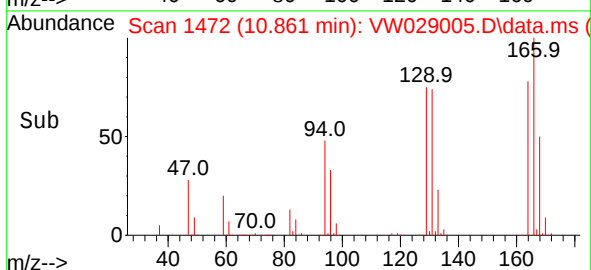
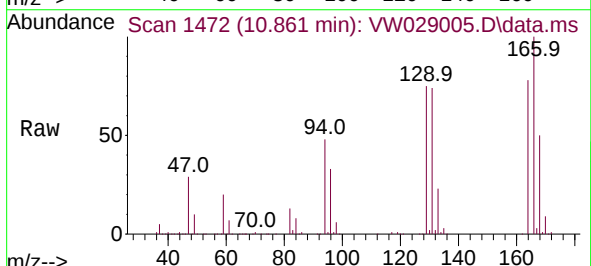
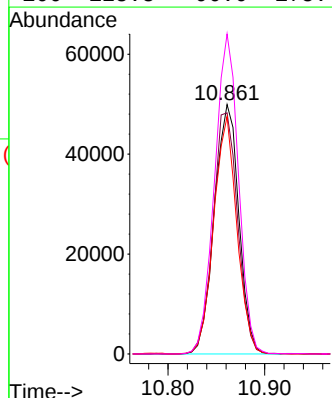
Ion Ratio Lower Upper

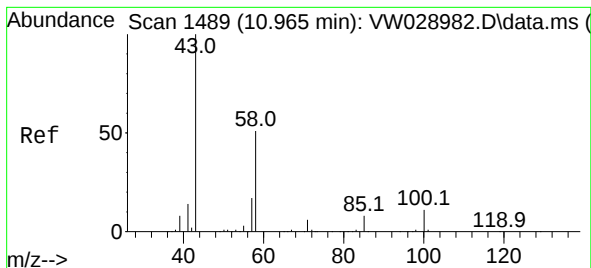
164 100

129 96.6 69.4 128.8

131 95.2 71.0 131.9

166 128.3 96.0 178.4





#48

2-Hexanone

Concen: 54.353 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 102040

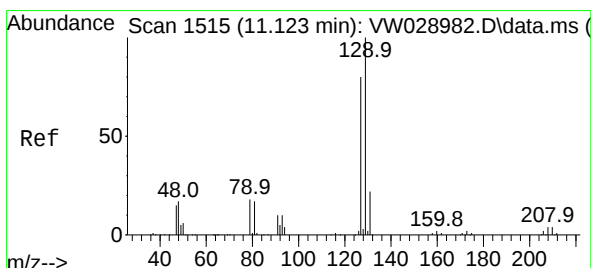
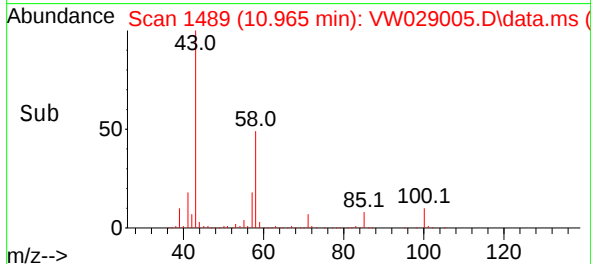
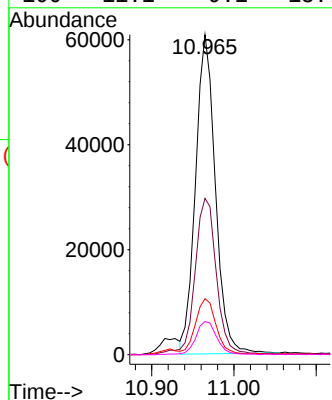
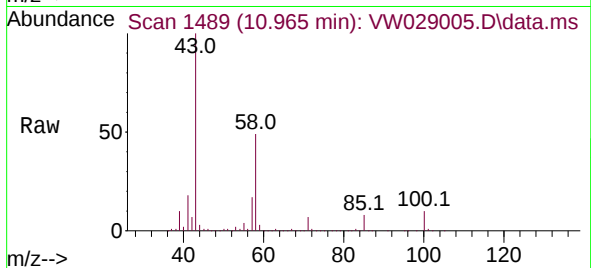
Ion Ratio Lower Upper

43 100

58 51.9 41.4 62.0

57 17.8 14.2 21.4

100 11.1 9.1 13.7



#49

Dibromochloromethane

Concen: 25.128 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW029005.D

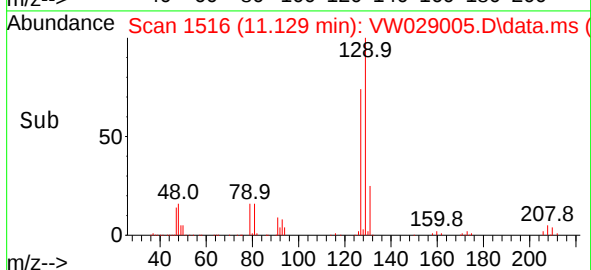
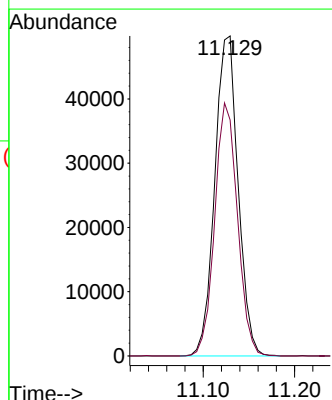
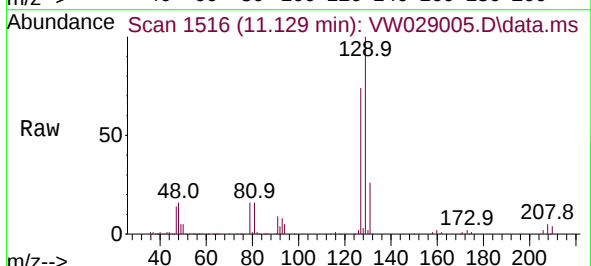
Acq: 04 Jun 2024 19:17

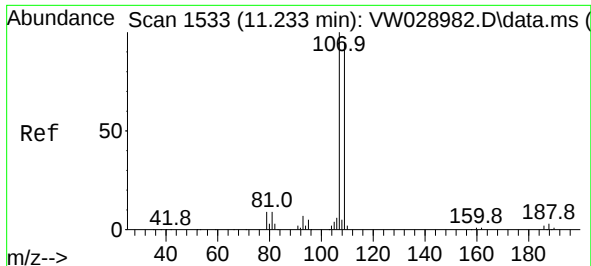
Tgt Ion:129 Resp: 88241

Ion Ratio Lower Upper

129 100

127 73.7 56.5 104.9





#50

1,2-Dibromoethane

Concen: 25.284 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :

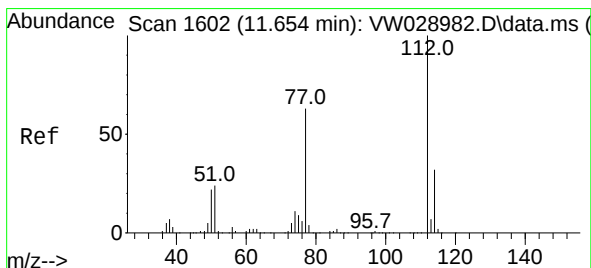
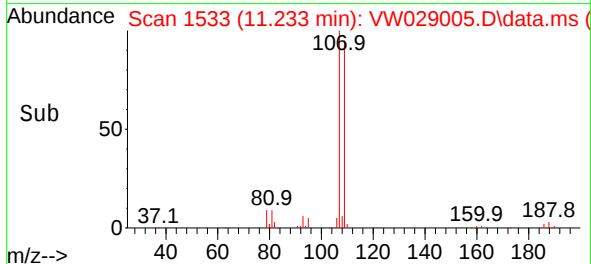
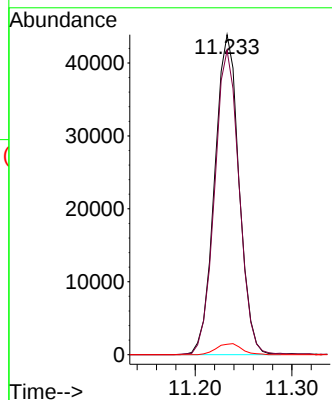
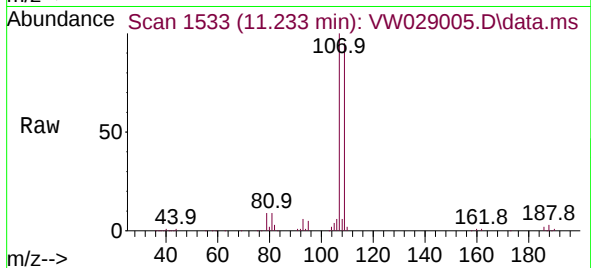
Tgt Ion:107 Resp: 76740

Ion Ratio Lower Upper

107 100

109 95.1 67.9 126.1

188 3.3 3.0 4.4



#51

Chlorobenzene

Concen: 24.042 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

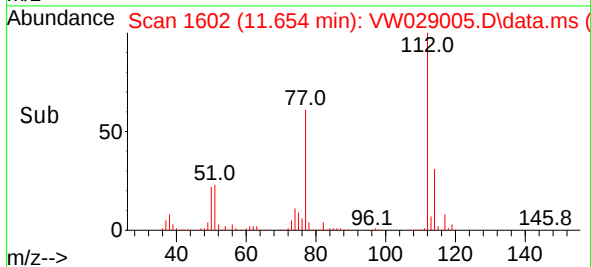
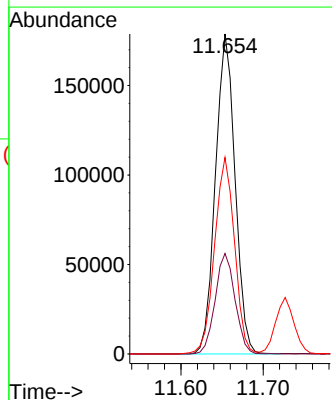
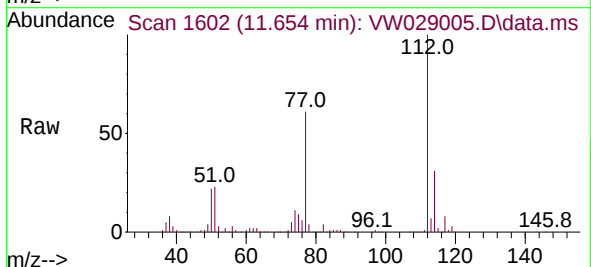
Tgt Ion:112 Resp: 296592

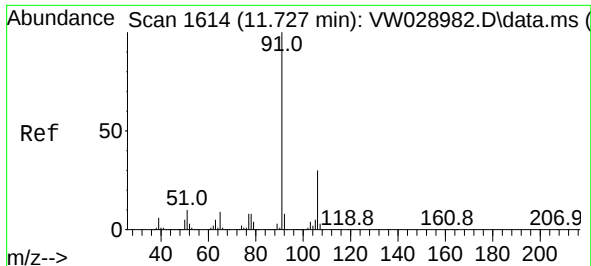
Ion Ratio Lower Upper

112 100

114 31.4 23.7 44.1

77 61.4 51.7 77.5





#52

Ethylbenzene

Concen: 24.286 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

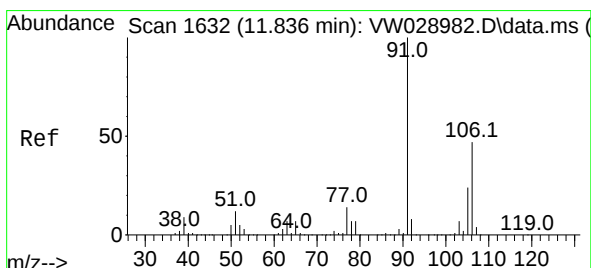
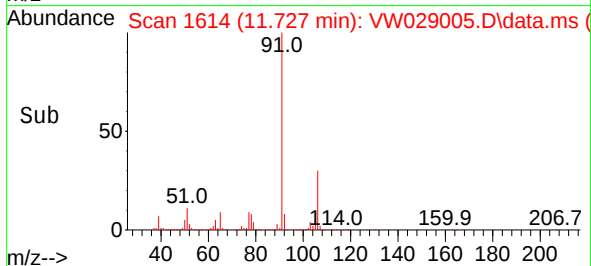
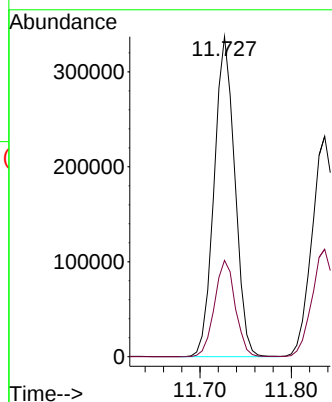
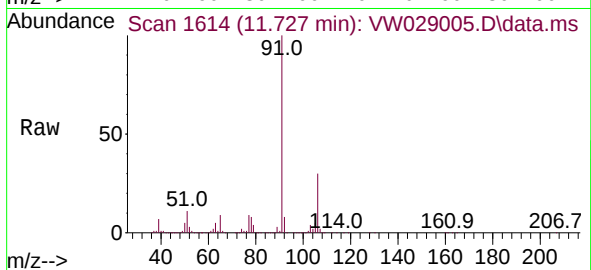
ClientSampleId :

Tgt Ion: 91 Resp: 529927

Ion Ratio Lower Upper

91 100

106 30.1 19.9 37.0



#53

m,p-Xylene

Concen: 24.888 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW029005.D

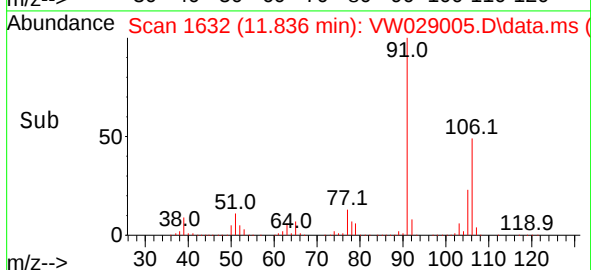
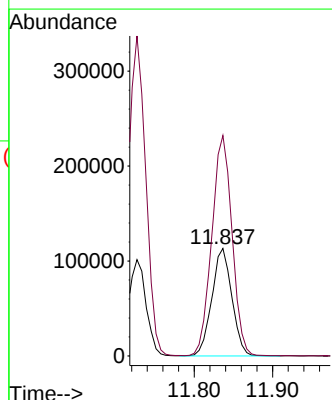
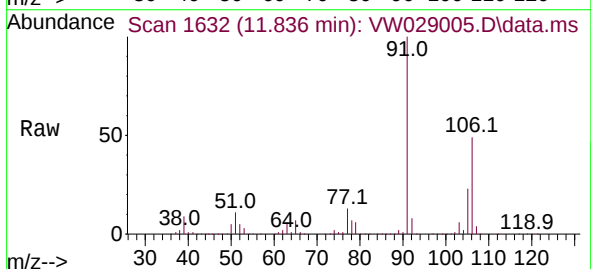
Acq: 04 Jun 2024 19:17

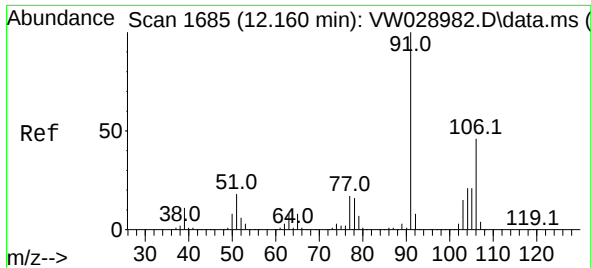
Tgt Ion:106 Resp: 201147

Ion Ratio Lower Upper

106 100

91 205.1 152.0 282.2

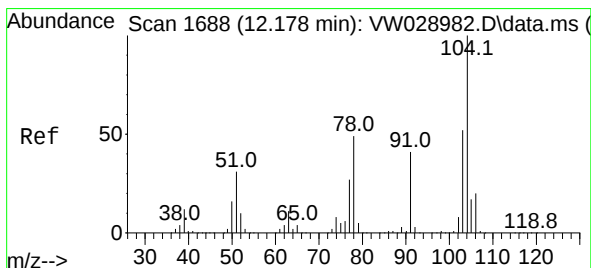
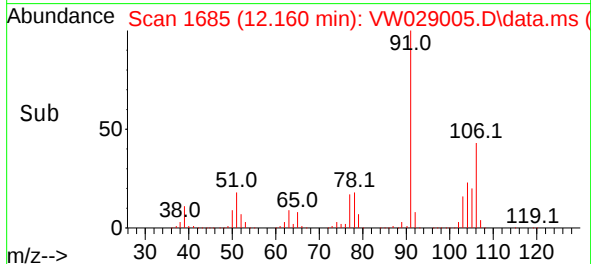
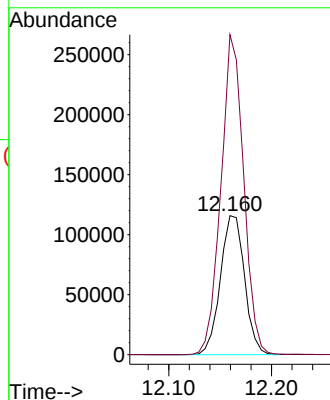
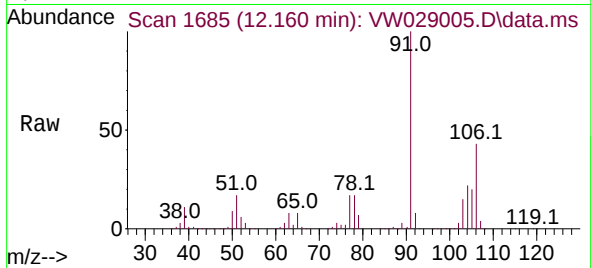




#54
o-Xylene
Concen: 25.257 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

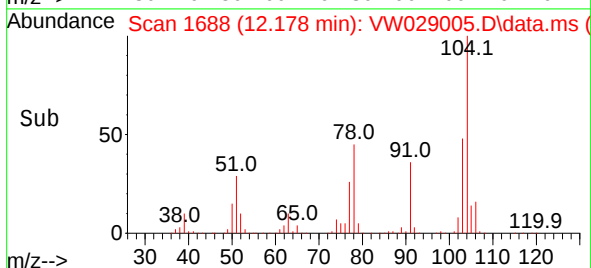
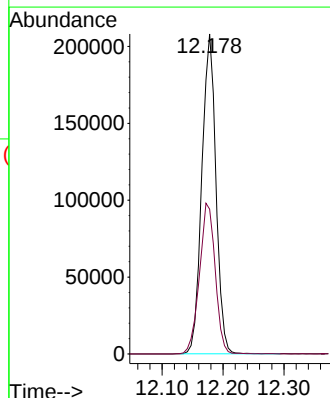
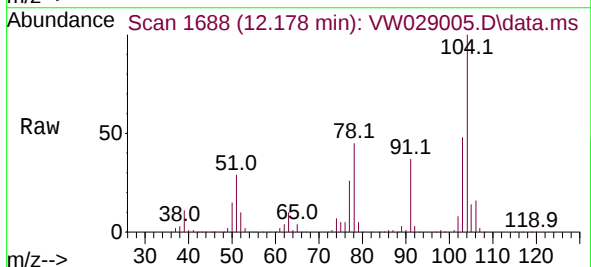
Instrument :
MSVOA_W
ClientSampleId :

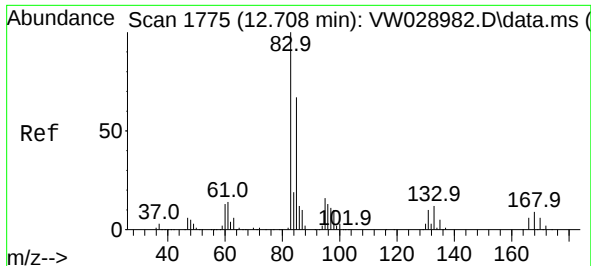
Tgt Ion:106 Resp: 189009
Ion Ratio Lower Upper
106 100
91 230.2 152.5 283.3



#55
Styrene
Concen: 25.900 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

Tgt Ion:104 Resp: 334160
Ion Ratio Lower Upper
104 100
78 45.2 33.3 61.9

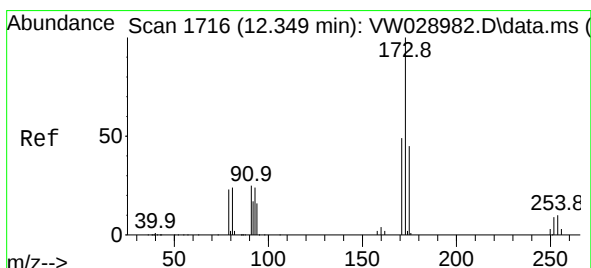
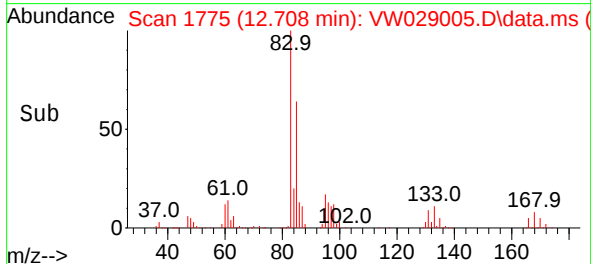
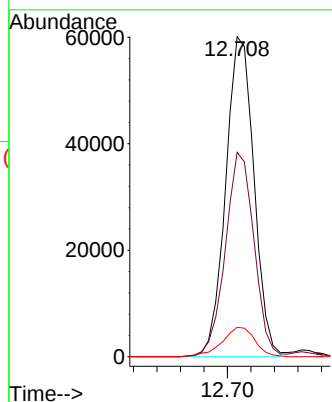
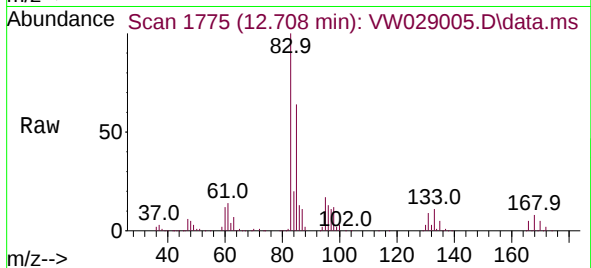




#57
1,1,2,2-Tetrachloroethane
Concen: 26.756 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

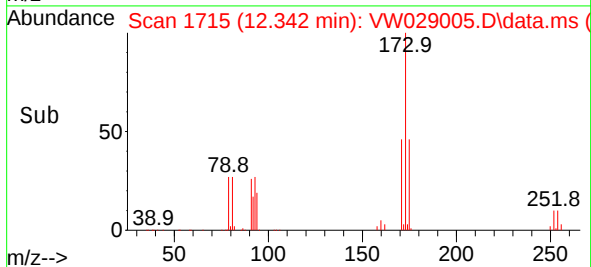
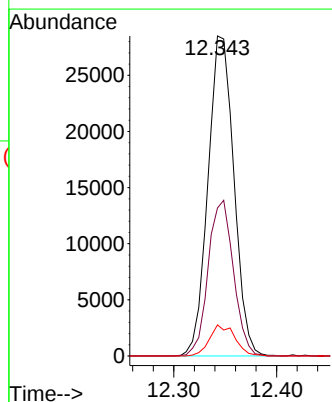
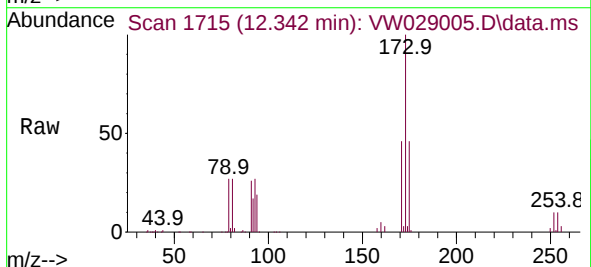
Instrument :
MSVOA_W
ClientSampleId :

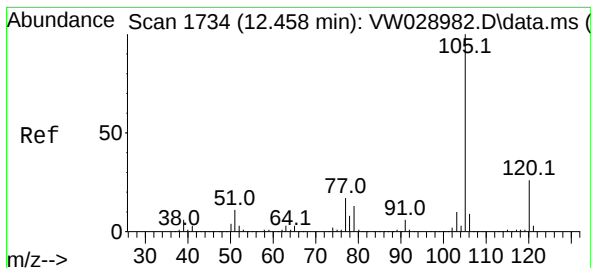
Tgt Ion: 83 Resp: 100423
Ion Ratio Lower Upper
83 100
85 63.9 43.8 81.3
131 9.2 7.3 10.9



#59
Bromoform
Concen: 25.210 ug/L
RT: 12.342 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

Tgt Ion:173 Resp: 49972
Ion Ratio Lower Upper
173 100
175 47.4 38.1 57.1
254 9.5 8.2 12.2





#60

Isopropylbenzene

Concen: 23.829 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :

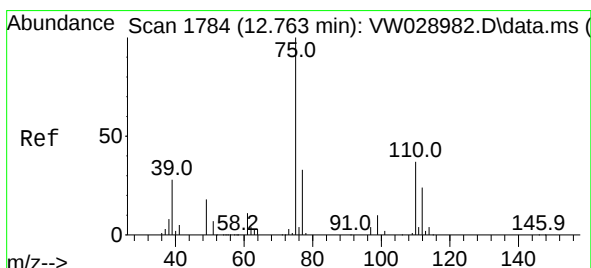
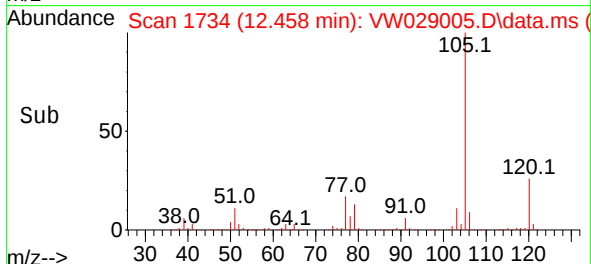
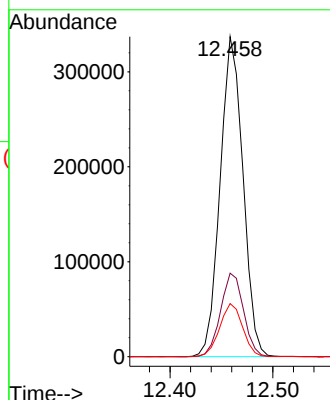
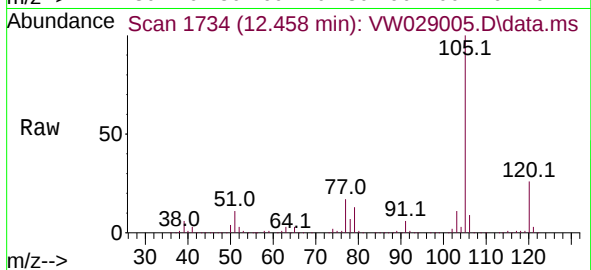
Tgt Ion:105 Resp: 519843

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

77 16.7 13.5 20.3



#61

1,2,3-Trichloropropane

Concen: 25.102 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

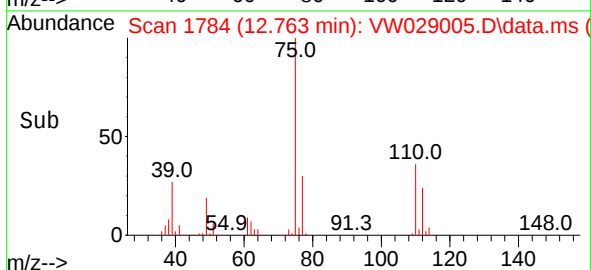
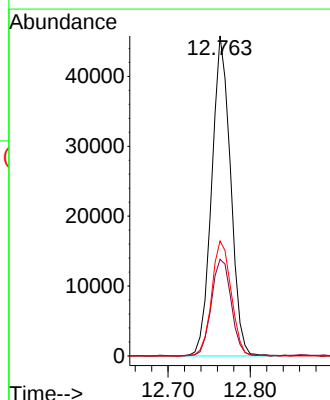
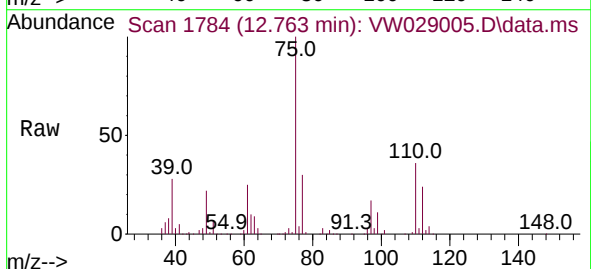
Tgt Ion: 75 Resp: 72990

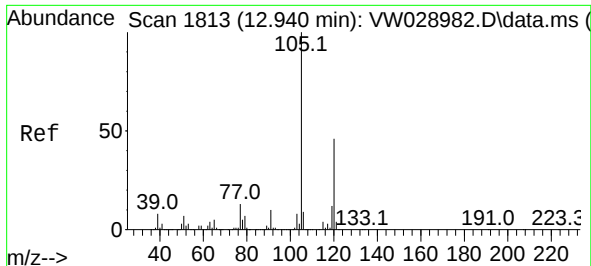
Ion Ratio Lower Upper

75 100

77 31.7 26.3 39.5

110 37.0 29.4 44.0

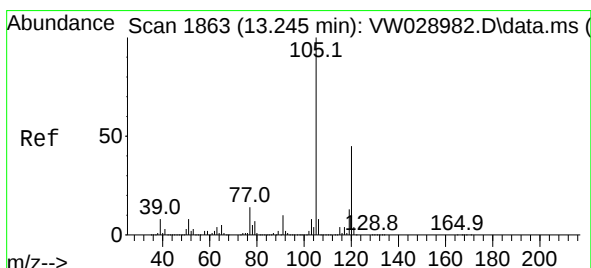
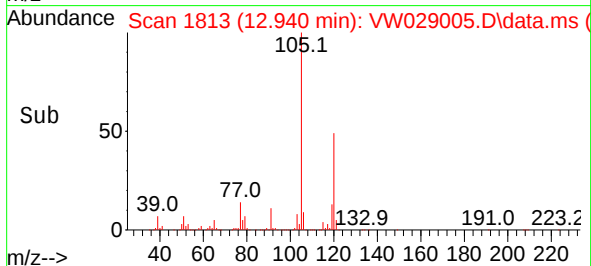
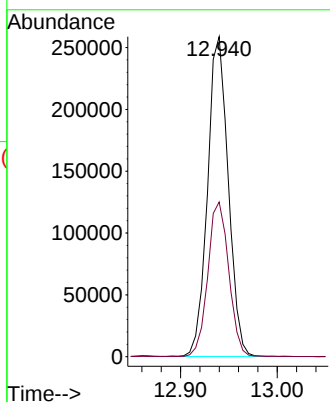
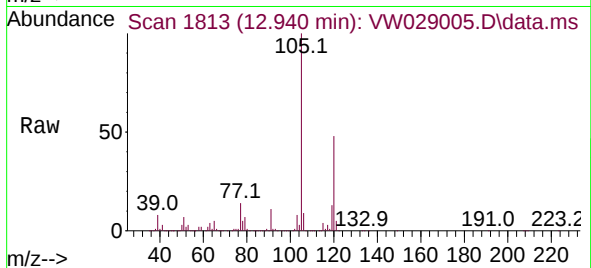




#62
1,3,5-Trimethylbenzene
Concen: 24.245 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

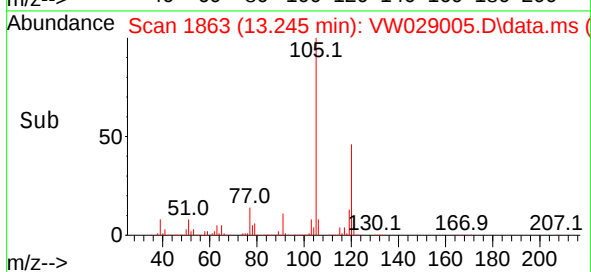
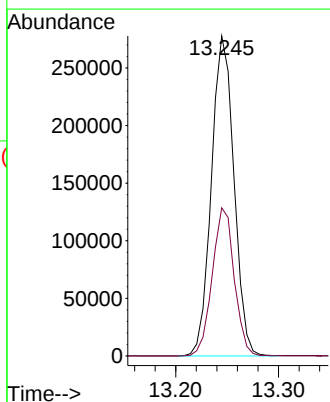
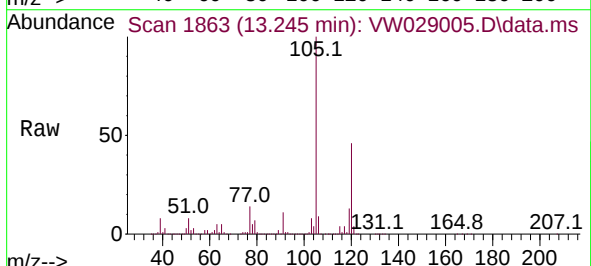
Instrument :
MSVOA_W
ClientSampleId :

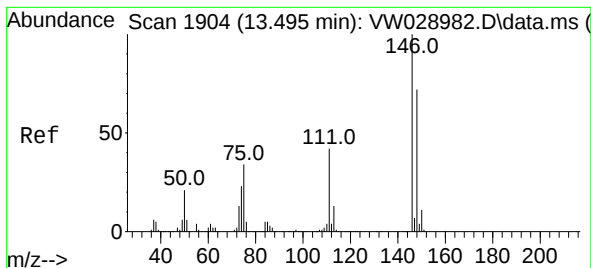
Tgt Ion:105 Resp: 384701
Ion Ratio Lower Upper
105 100
120 49.1 38.4 57.6



#63
1,2,4-Trimethylbenzene
Concen: 25.187 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

Tgt Ion:105 Resp: 422354
Ion Ratio Lower Upper
105 100
120 45.2 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 24.372 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :

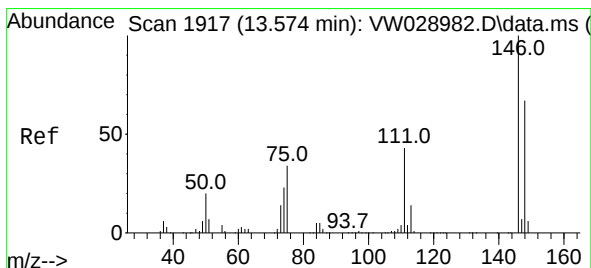
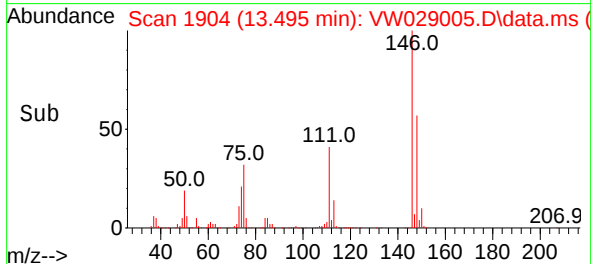
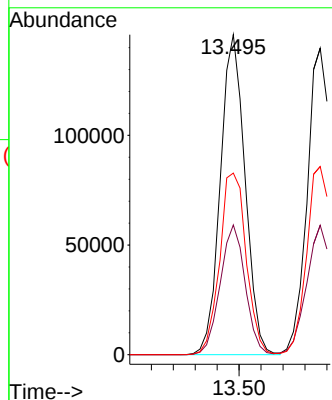
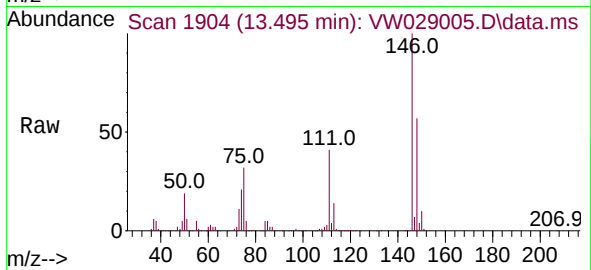
Tgt Ion:146 Resp: 228488

Ion Ratio Lower Upper

146 100

111 40.5 29.4 54.6

148 56.8 42.5 78.9



#65

1,4-Dichlorobenzene

Concen: 22.939 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

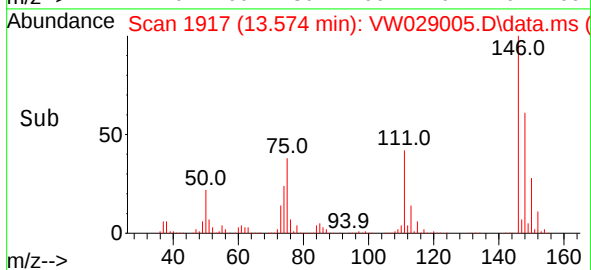
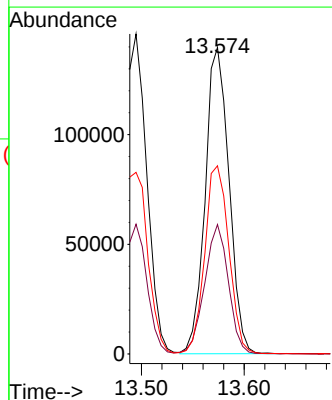
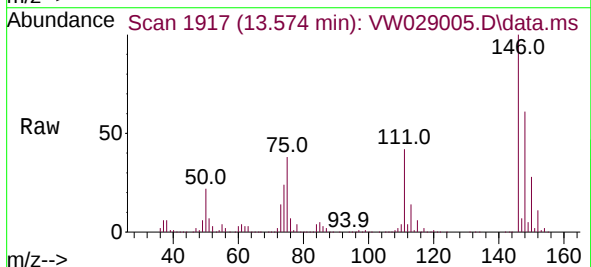
Tgt Ion:146 Resp: 224611

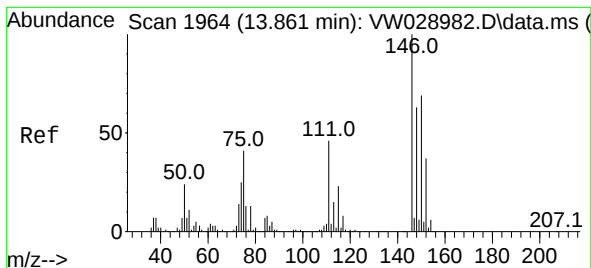
Ion Ratio Lower Upper

146 100

111 42.2 27.5 51.1

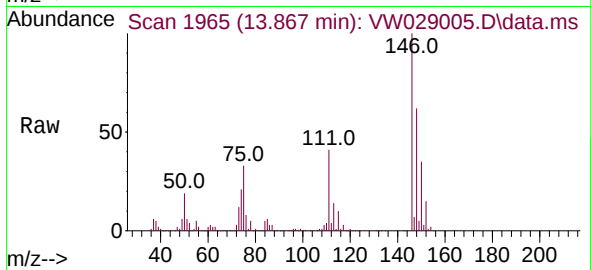
148 61.4 39.5 73.3



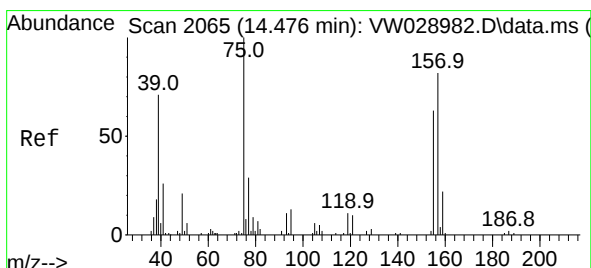
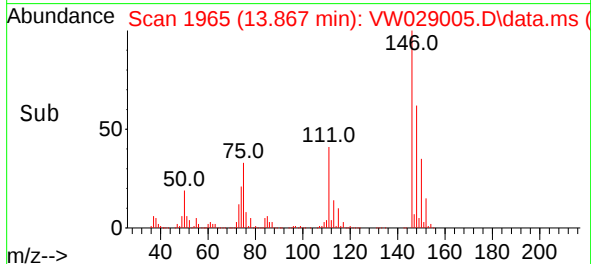
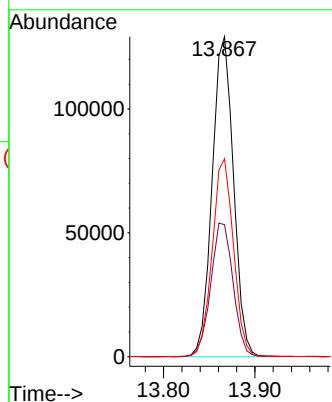


#67
1,2-Dichlorobenzene
Concen: 24.919 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.006 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

Instrument :
MSVOA_W
ClientSampleId :

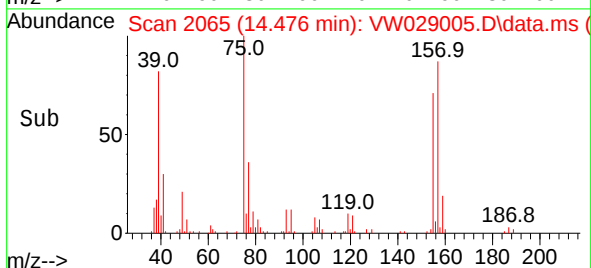
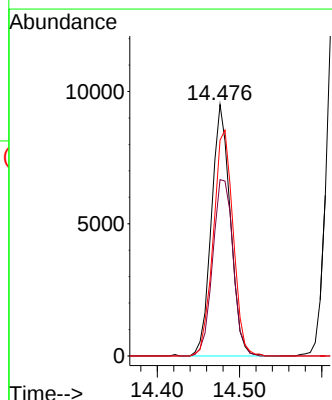
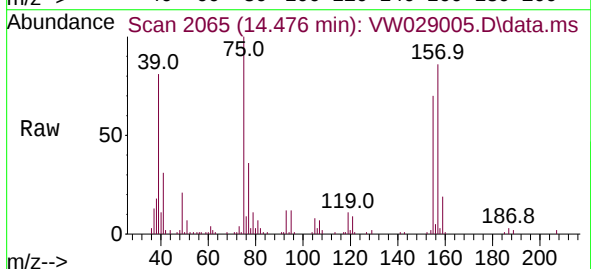


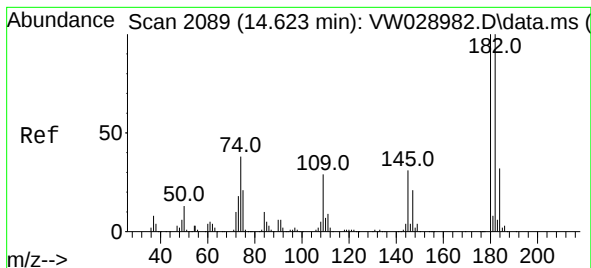
Tgt Ion:146 Resp: 209384
Ion Ratio Lower Upper
146 100
111 41.2 32.8 49.2
148 61.9 48.2 72.4



#68
1,2-Dibromo-3-chloropropane
Concen: 24.523 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

Tgt Ion: 75 Resp: 15198
Ion Ratio Lower Upper
75 100
155 70.1 52.3 78.5
157 85.9 71.0 106.4





#69

1,3,5-Trichlorobenzene

Concen: 23.526 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

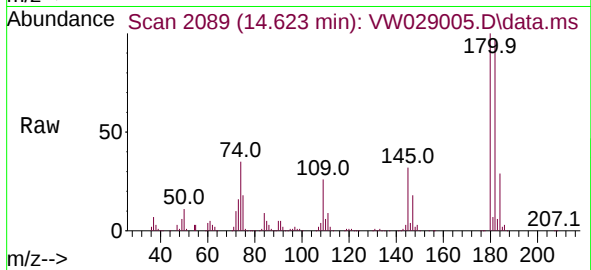
Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 151440

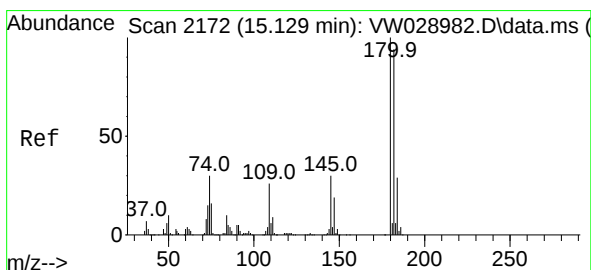
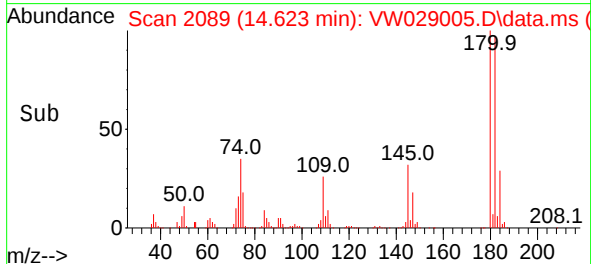
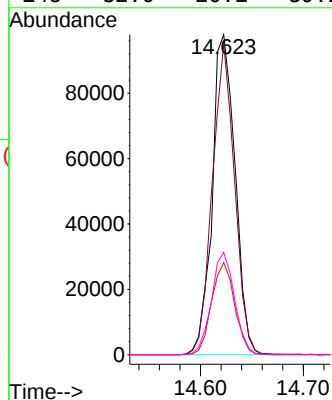
Ion Ratio Lower Upper

180 100

182 94.0 77.4 116.0

184 29.0 24.6 36.8

145 32.0 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 23.645 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW029005.D

Acq: 04 Jun 2024 19:17

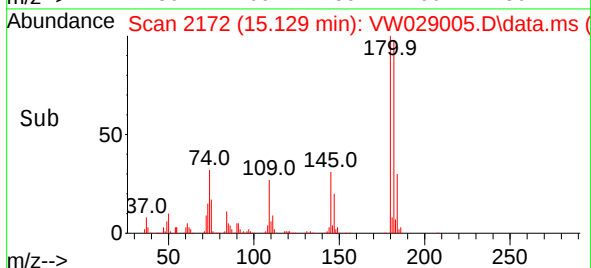
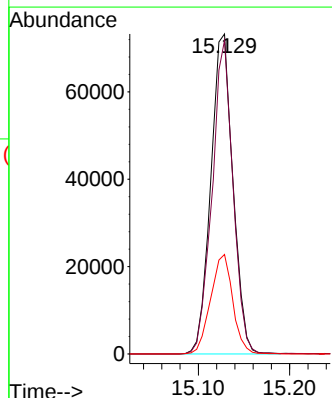
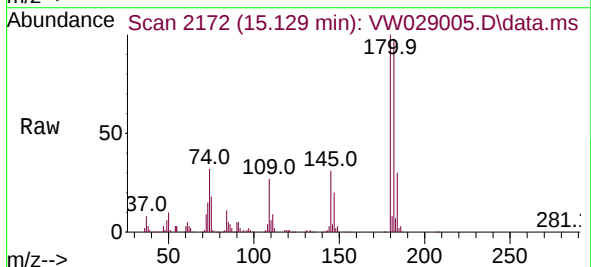
Tgt Ion:180 Resp: 123358

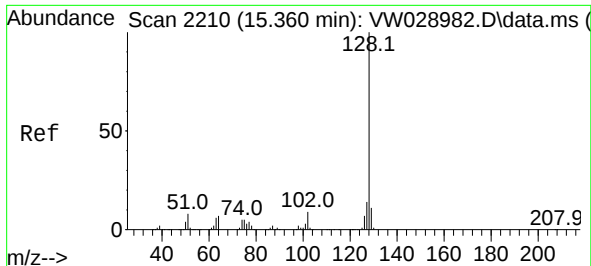
Ion Ratio Lower Upper

180 100

182 92.5 75.3 112.9

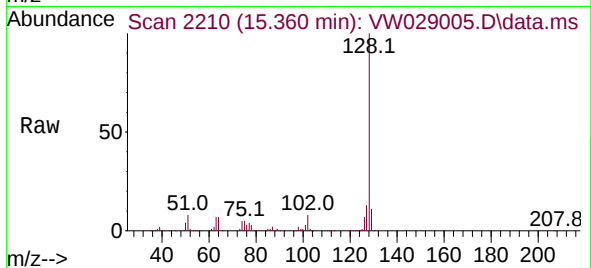
145 31.1 26.2 39.2



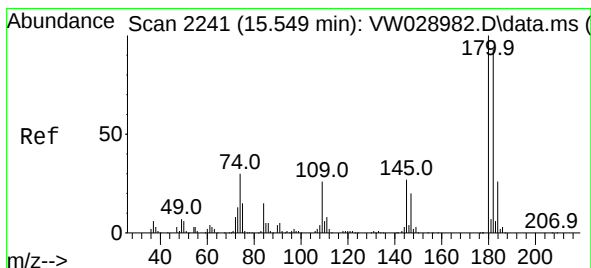
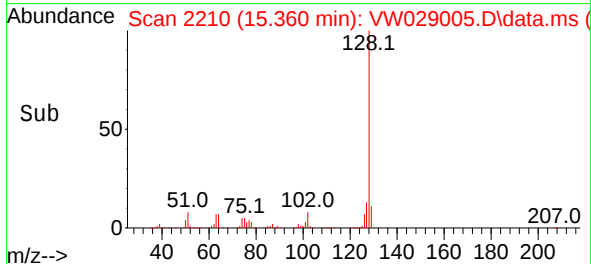
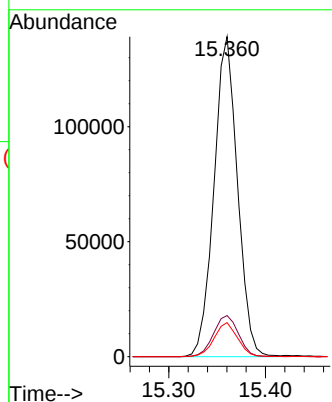


#71
Naphthalene
Concen: 26.413 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 234780
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.2
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 24.237 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW029005.D
Acq: 04 Jun 2024 19:17

Tgt Ion:180 Resp: 108033
Ion Ratio Lower Upper
180 100
182 96.2 75.4 113.0
145 34.2 26.6 39.8

