

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070224\
 Data File : VW029456.D
 Acq On : 02 Jul 2024 19:54
 Operator : SY/MD
 Sample : P3124-02MS
 Misc : 4.83g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 03 05:46:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 03 05:41:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	248776	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	140766	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	30496	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	78242	22.723	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.880%
7) Chloroethane-d5	2.899	69	68660	23.612	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.440%
11) 1,1-Dichloroethene-d2	4.027	65	36151	21.744	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.960%
21) 2-Butanone-d5	7.075	46	37741	36.635	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.260%
24) Chloroform-d	7.648	84	172748	23.278	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.120%
26) 1,2-Dichloroethane-d4	8.306	65	105465	24.752	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	8.276	84	311132	36.389	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	145.560%#
36) 1,2-Dichloropropane-d6	9.276	67	104970	38.622	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	154.480%#
41) Toluene-d8	10.318	98	215596	28.501	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.000%
43) trans-1,3-Dichloroprop...	10.574	79	22781	20.800	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.200%
47) 2-Hexanone-d5	10.922	63	21801	51.168	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.340%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	59118	27.329	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.320%
66) 1,2-Dichlorobenzene-d4	13.854	152	22344	21.108	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	40215	16.569	ug/L	99
3) Chloromethane	2.222	50	47031	13.590	ug/L	96
5) Vinyl chloride	2.375	62	70403	17.715	ug/L	98
6) Bromomethane	2.789	94	24810	10.386	ug/L	98
8) Chloroethane	2.929	64	46561	19.154	ug/L	95
9) Trichlorofluoromethane	3.265	101	60563	19.656	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.075	101	48544	14.289	ug/L #	89
12) 1,1-Dichloroethene	4.045	96	55128	19.124	ug/L	98
13) Acetone	4.130	43	29167	33.315	ug/L	97
14) Carbon disulfide	4.386	76	120317	12.786	ug/L	99
15) Methyl Acetate	4.673	43	18357	10.562	ug/L	97
16) Methylene chloride	4.923	84	77763	17.777	ug/L	98
17) trans-1,2-Dichloroethene	5.435	96	57250	17.884	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	129509	25.286	ug/L	97
19) 1,1-Dichloroethane	6.215	63	142008	20.539	ug/L	98
20) cis-1,2-Dichloroethene	7.166	96	66665	18.885	ug/L	98
22) 2-Butanone	7.172	43	60159	50.128	ug/L	89
23) Bromochloromethane	7.514	128	32132	20.447	ug/L	94
25) Chloroform	7.678	83	133884	19.831	ug/L	98

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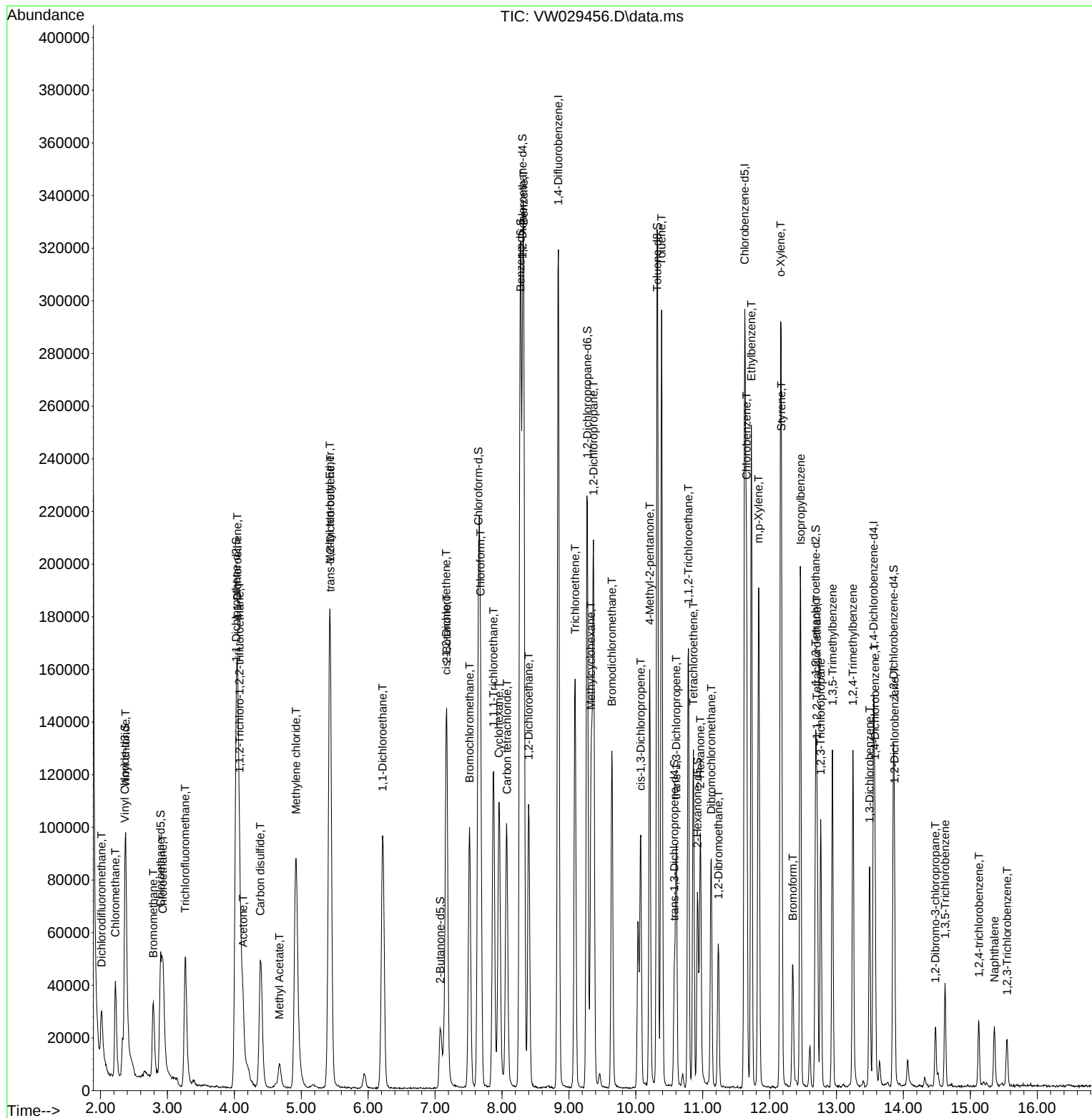
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	98705	19.823	ug/L	98
29) Cyclohexane	7.953	56	59379	18.452	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	96721	30.900	ug/L	96
31) Carbon tetrachloride	8.075	117	73997	25.878	ug/L	97
33) Benzene	8.325	78	255862	30.251	ug/L	100
34) Trichloroethene	9.093	95	54560	24.179	ug/L	91
35) Methylcyclohexane	9.331	83	45328	12.773	ug/L	99
37) 1,2-Dichloropropane	9.367	63	73589	30.963	ug/L	100
38) Bromodichloromethane	9.642	83	84731	29.159	ug/L	100
39) cis-1,3-Dichloropropene	10.074	75	54686	16.278	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	105894	71.887	ug/L	98
42) Toluene	10.385	91	204868	23.561	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	48046	16.937	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	50099	30.267	ug/L	96
46) Tetrachloroethene	10.861	164	26796	16.987	ug/L	92
48) 2-Hexanone	10.964	43	72747	69.598	ug/L #	90
49) Dibromochloromethane	11.129	129	44134	25.507	ug/L	91
50) 1,2-Dibromoethane	11.233	107	37028	24.920	ug/L #	98
51) Chlorobenzene	11.653	112	95586	16.929	ug/L	99
52) Ethylbenzene	11.727	91	162908	16.505	ug/L	99
53) m,p-Xylene	11.836	106	57338	15.904	ug/L	98
54) o-Xylene	12.165	106	53520	15.884	ug/L	97
55) Styrene	12.178	104	76508	13.023	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.708	83	45539	22.241	ug/L	97
59) Bromoform	12.348	173	20994	50.229	ug/L	99
60) Isopropylbenzene	12.464	105	120531	29.662	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	40194	60.427	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	63363	21.531	ug/L	95
63) 1,2,4-Trimethylbenzene	13.245	105	65232	20.602	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	31904	18.143	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	31542	16.859	ug/L	100
67) 1,2-Dichlorobenzene	13.866	146	28030	17.242	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	5891	37.951	ug/L	88
69) 1,3,5-Trichlorobenzene	14.622	180	10815	9.113	ug/L	97
70) 1,2,4-trichlorobenzene	15.128	180	6842	7.112	ug/L	97
71) Naphthalene	15.360	128	17993	9.476	ug/L	96
72) 1,2,3-Trichlorobenzene	15.549	180	5288	6.032	ug/L	93

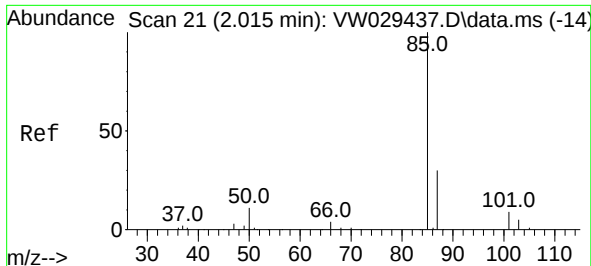
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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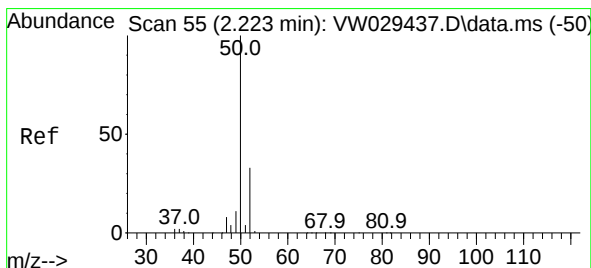
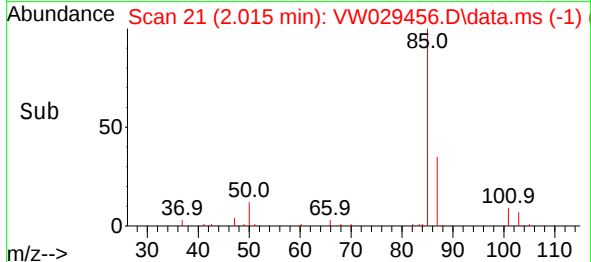
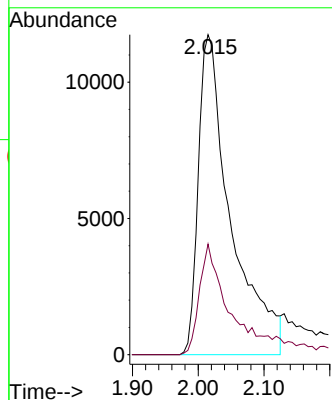
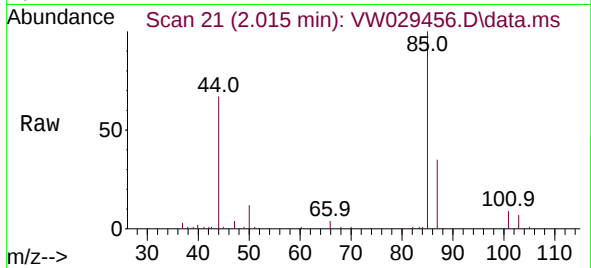




#2
Dichlorodifluoromethane
Concen: 16.569 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

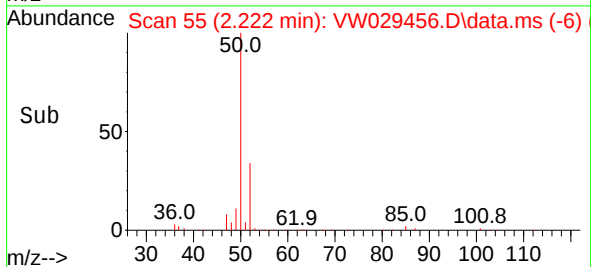
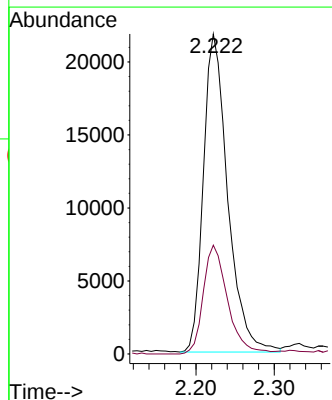
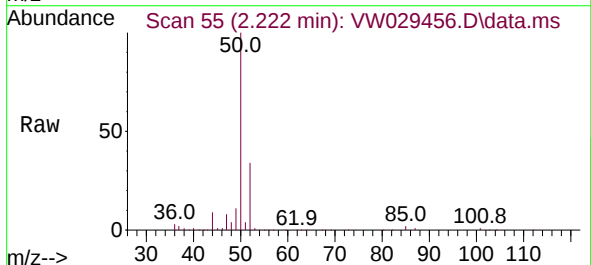
Instrument :
MSVOA_W
ClientSampleId :

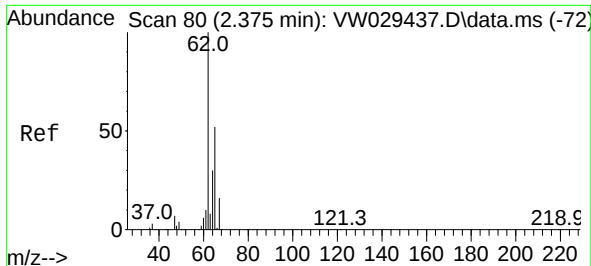
Tgt Ion: 85 Resp: 40215
Ion Ratio Lower Upper
85 100
87 28.9 23.8 35.6



#3
Chloromethane
Concen: 13.590 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

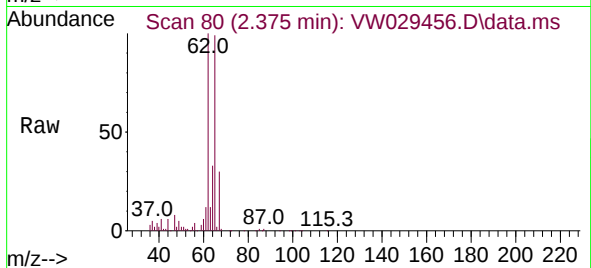
Tgt Ion: 50 Resp: 47031
Ion Ratio Lower Upper
50 100
52 34.0 22.3 41.5



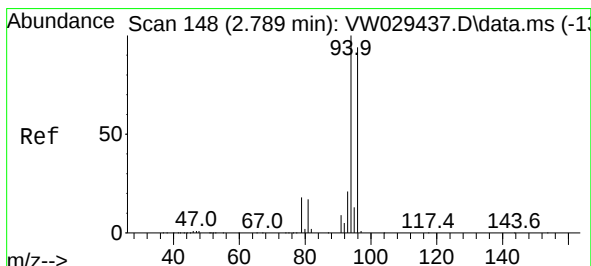
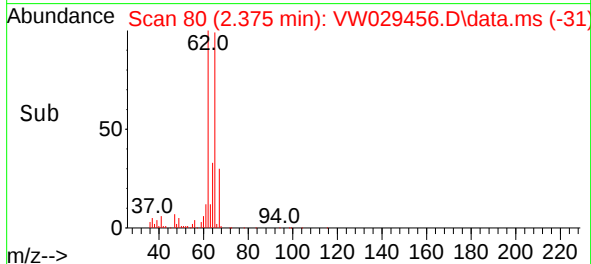
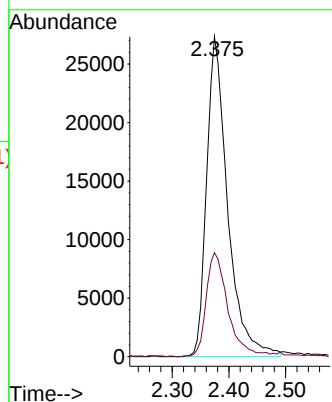


#5
 Vinyl chloride
 Concen: 17.715 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW029456.D
 Acq: 02 Jul 2024 19:54

Instrument :
 MSVOA_W
 ClientSampleId :

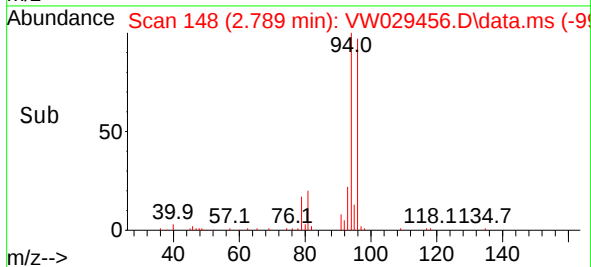
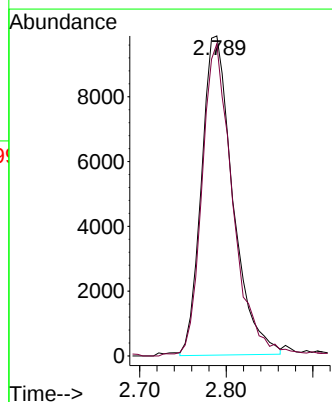
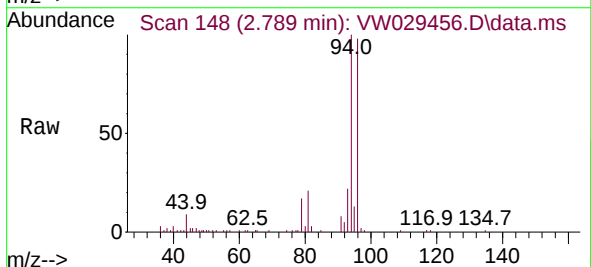


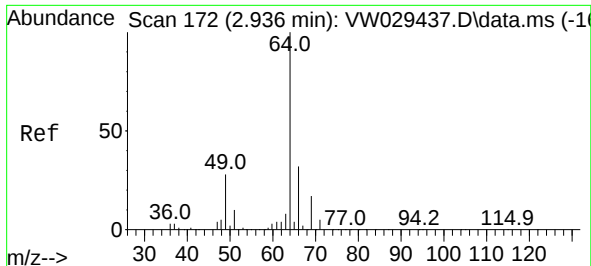
Tgt Ion: 62 Resp: 70403
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.0 40.8



#6
 Bromomethane
 Concen: 10.386 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW029456.D
 Acq: 02 Jul 2024 19:54

Tgt Ion: 94 Resp: 24810
 Ion Ratio Lower Upper
 94 100
 96 97.6 69.5 129.1

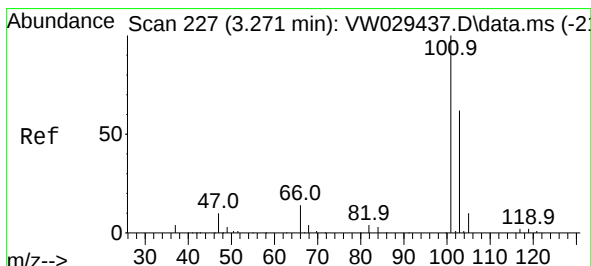
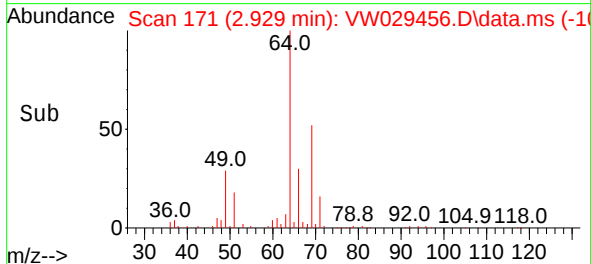
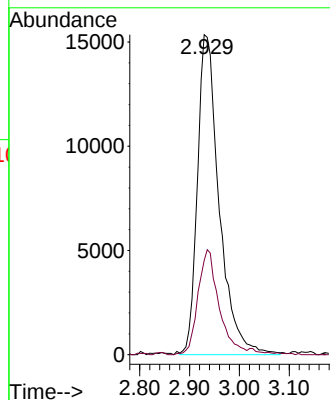
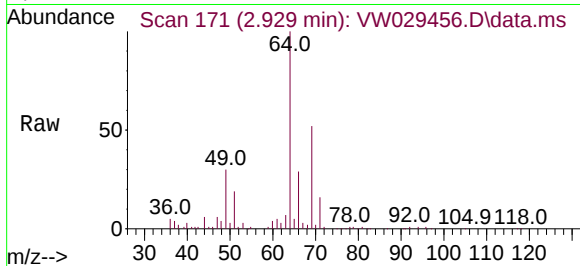




#8
Chloroethane
Concen: 19.154 ug/L
RT: 2.929 min Scan# 171
Delta R.T. -0.006 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

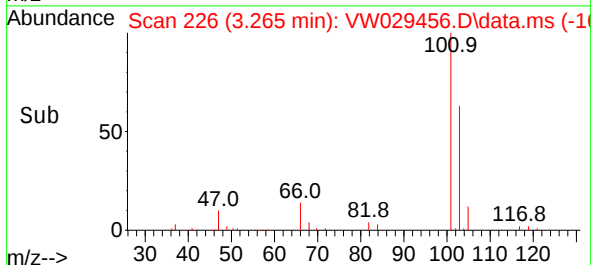
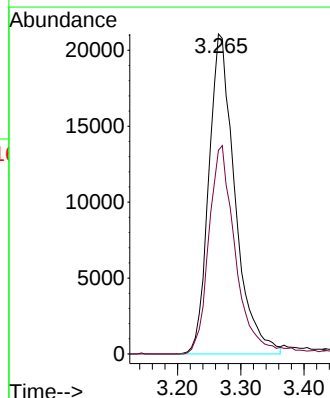
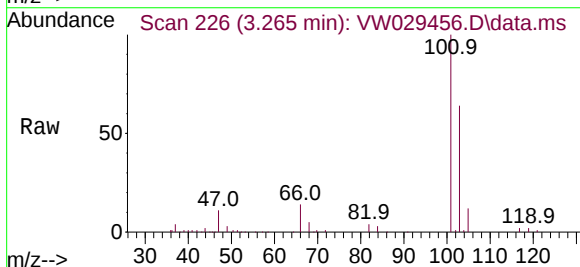
Instrument :
MSVOA_W
ClientSampleId :

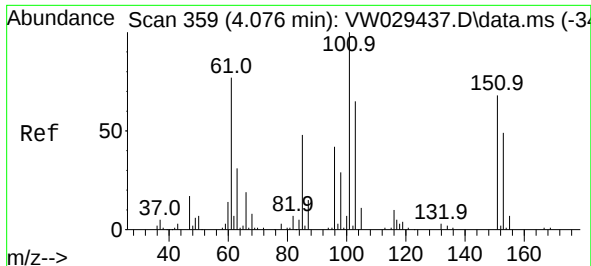
Tgt Ion: 64 Resp: 46561
Ion Ratio Lower Upper
64 100
66 29.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 19.656 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

Tgt Ion:101 Resp: 60563
Ion Ratio Lower Upper
101 100
103 65.1 50.8 76.2





#10

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

Concen: 14.289 ug/L

RT: 4.075 min Scan# 359

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :

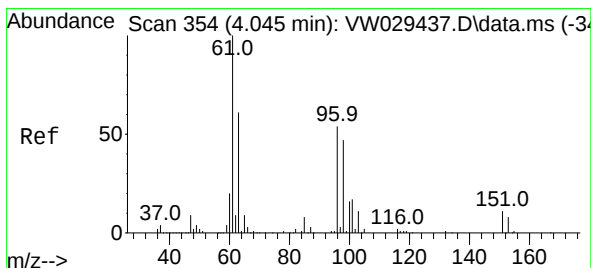
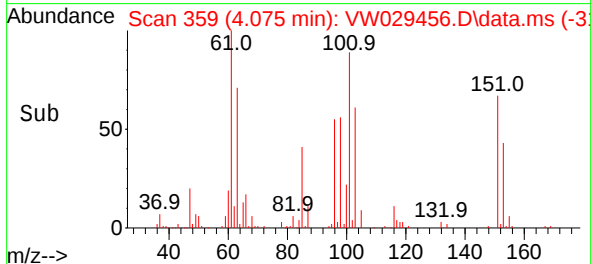
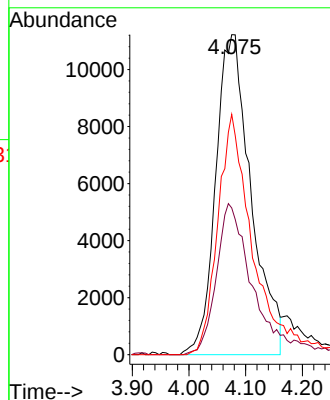
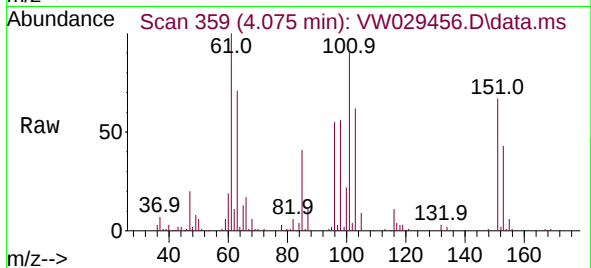
Tgt Ion:101 Resp: 48544

Ion Ratio Lower Upper

101 100

85 46.6 30.2 45.2#

151 72.7 52.2 78.4



#12

1,1-Dichloroethene

Concen: 19.124 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

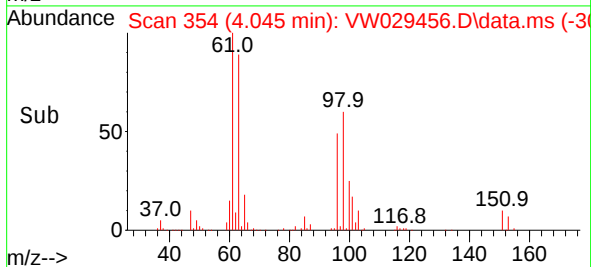
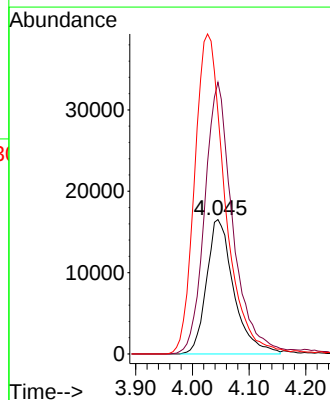
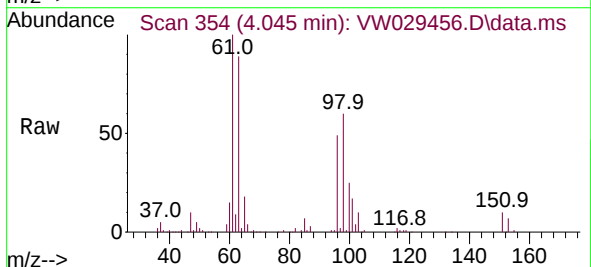
Tgt Ion: 96 Resp: 55128

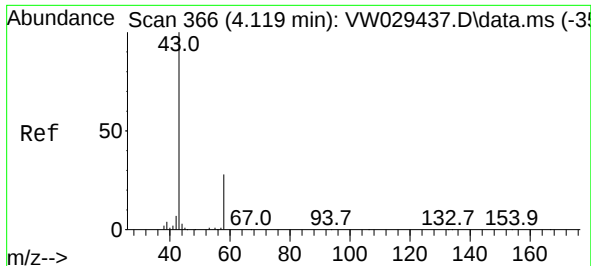
Ion Ratio Lower Upper

96 100

61 202.0 140.1 260.3

63 179.4 122.0 226.6

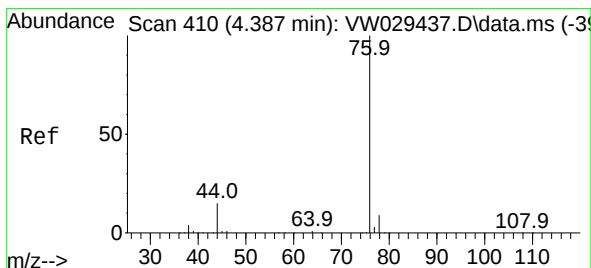
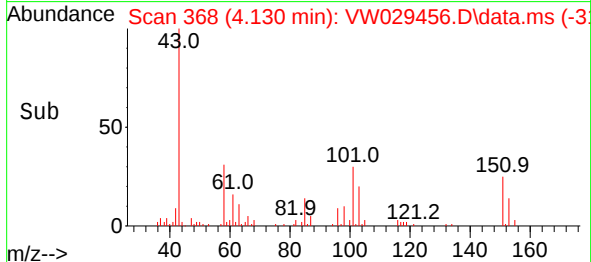
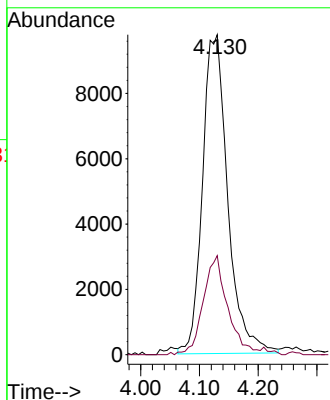
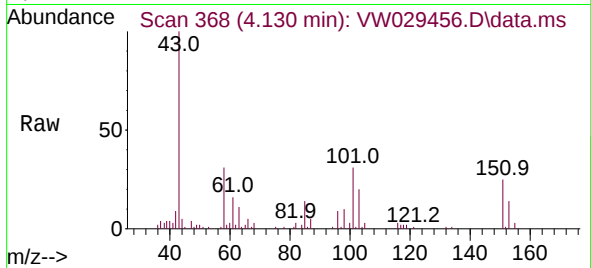




#13
Acetone
Concen: 33.315 ug/L
RT: 4.130 min Scan# 368
Delta R.T. 0.012 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

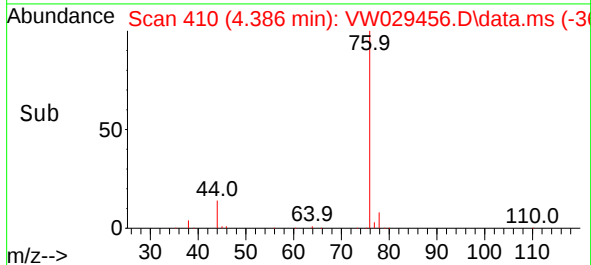
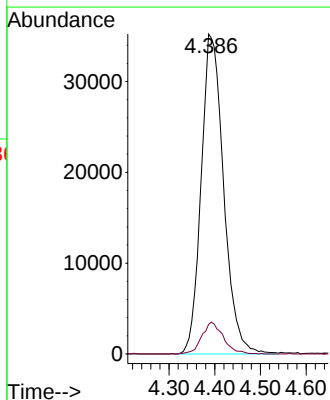
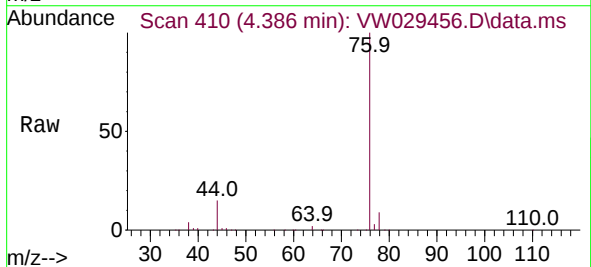
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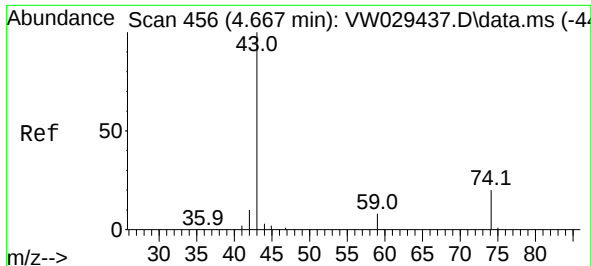
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Ion Ratio Lower Upper
43 100
58 28.9 0.0 61.4



#14
Carbon disulfide
Concen: 12.786 ug/L
RT: 4.386 min Scan# 410
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

Tgt Ion: 76 Resp: 120317
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 10.562 ug/L

RT: 4.673 min Scan# 4

Delta R.T. 0.006 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

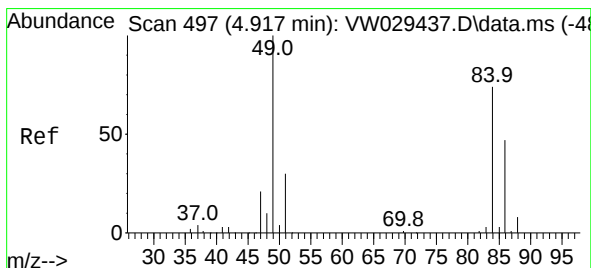
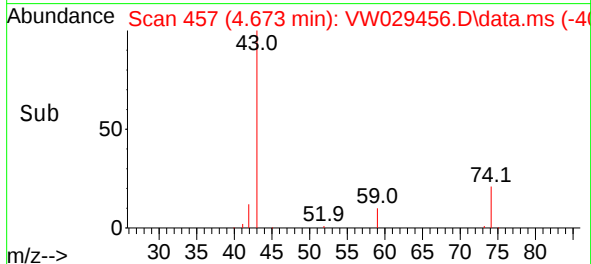
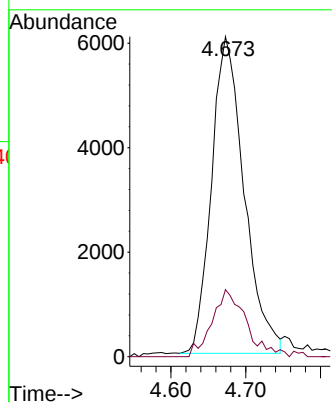
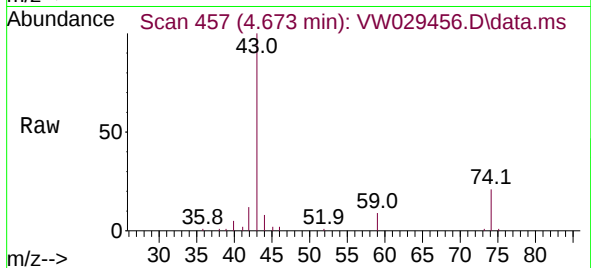
ClientSampleId :

Tgt Ion: 43 Resp: 18357

Ion Ratio Lower Upper

43 100

74 19.3 16.6 25.0



#16

Methylene chloride

Concen: 17.777 ug/L

RT: 4.923 min Scan# 498

Delta R.T. 0.006 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

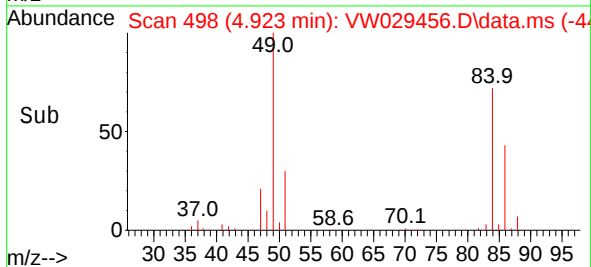
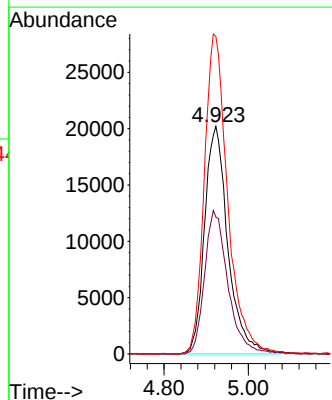
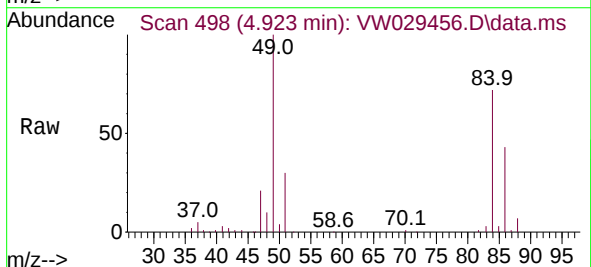
Tgt Ion: 84 Resp: 77763

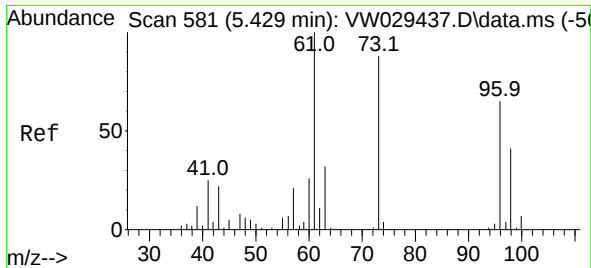
Ion Ratio Lower Upper

84 100

86 60.2 41.4 77.0

49 139.6 95.7 177.7

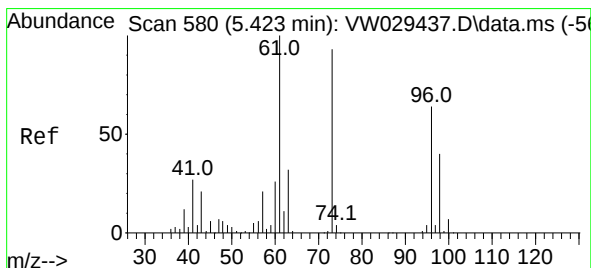
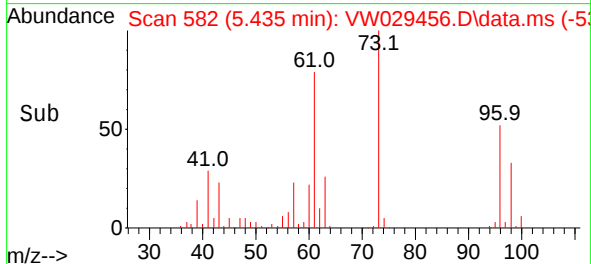
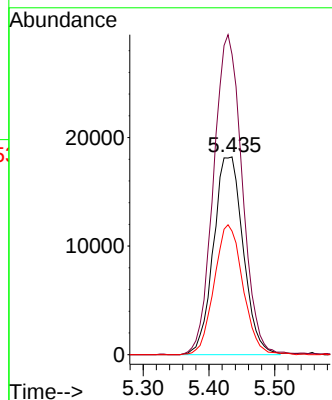
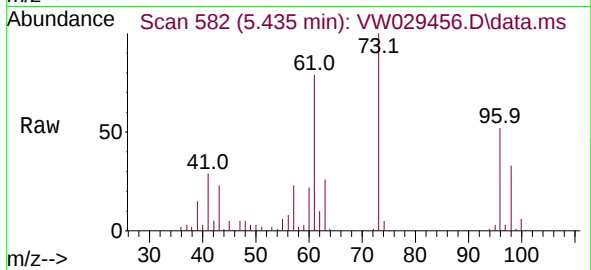




#17
trans-1,2-Dichloroethene
Concen: 17.884 ug/L
RT: 5.435 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

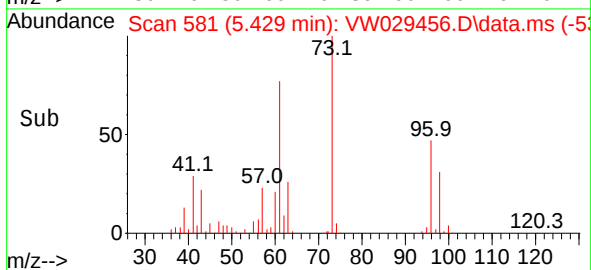
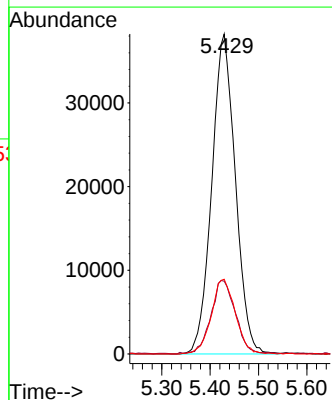
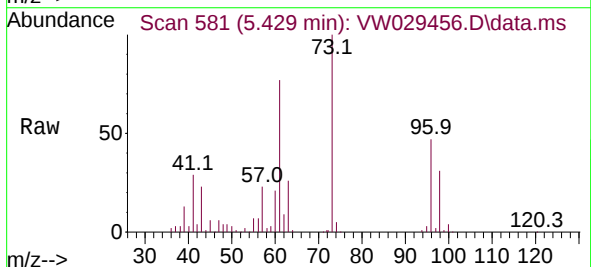
Instrument :
MSVOA_W
ClientSampleId :

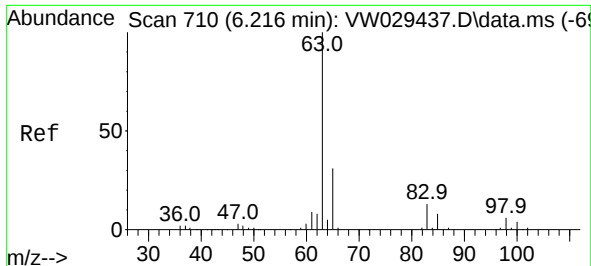
Tgt Ion: 96 Resp: 57250
Ion Ratio Lower Upper
96 100
61 151.8 101.5 188.5
98 62.5 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 25.286 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

Tgt Ion: 73 Resp: 129509
Ion Ratio Lower Upper
73 100
43 22.7 19.5 29.3
57 23.8 18.4 27.6





#19

1,1-Dichloroethane

Concen: 20.539 ug/L

RT: 6.215 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :

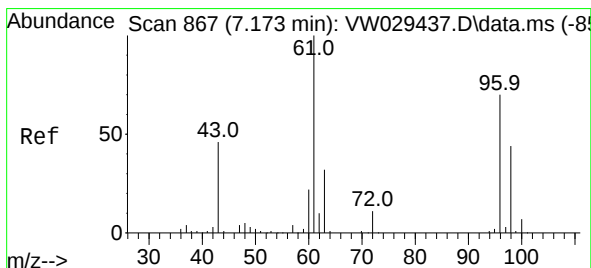
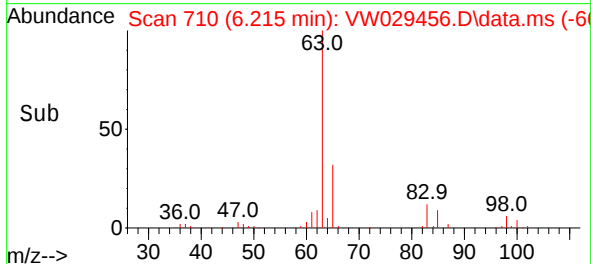
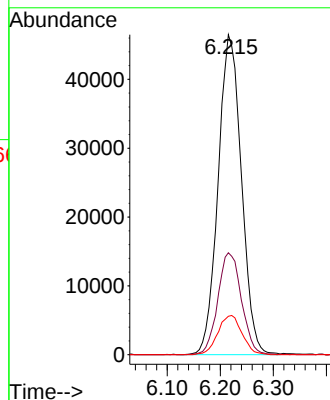
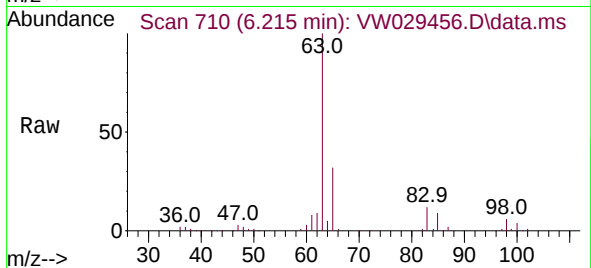
Tgt Ion: 63 Resp: 142008

Ion Ratio Lower Upper

63 100

65 31.8 23.4 43.4

83 12.0 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 18.885 ug/L

RT: 7.166 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

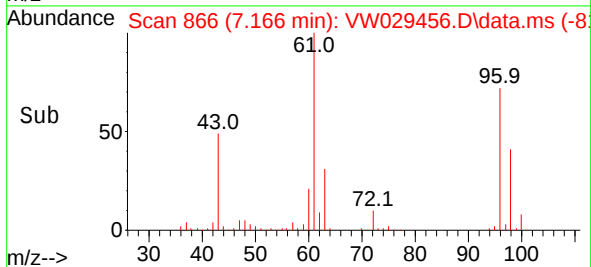
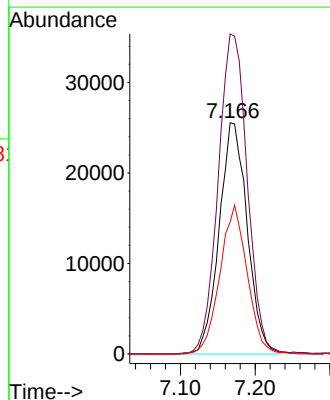
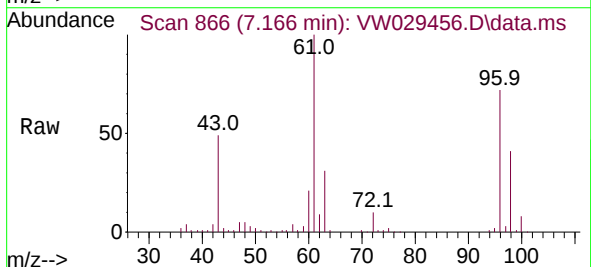
Tgt Ion: 96 Resp: 66665

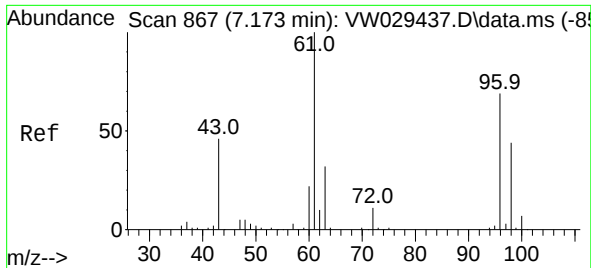
Ion Ratio Lower Upper

96 100

61 138.4 97.8 181.6

98 57.1 43.0 79.8

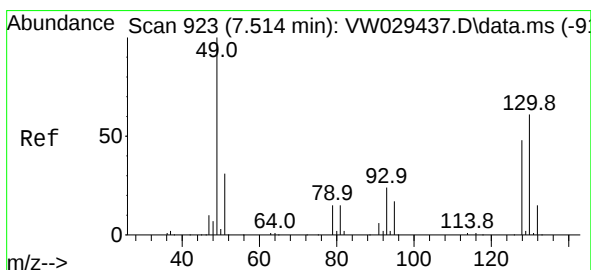
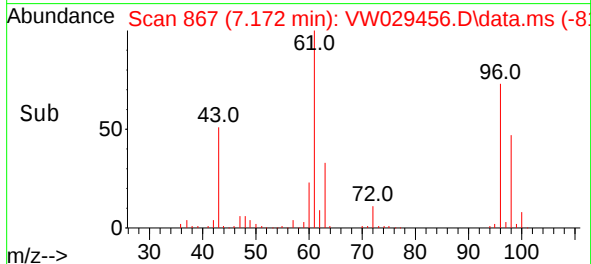
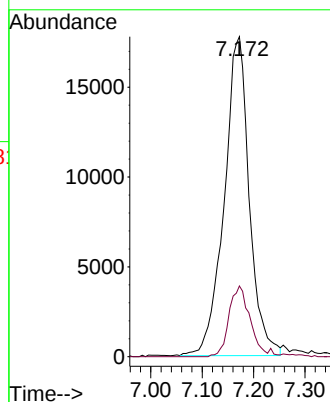
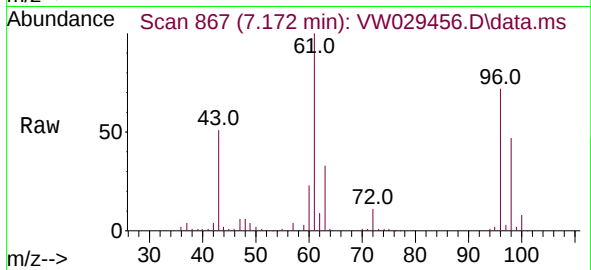




#22
2-Butanone
Concen: 50.128 ug/L
RT: 7.172 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

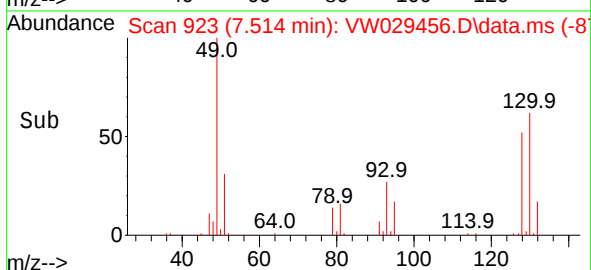
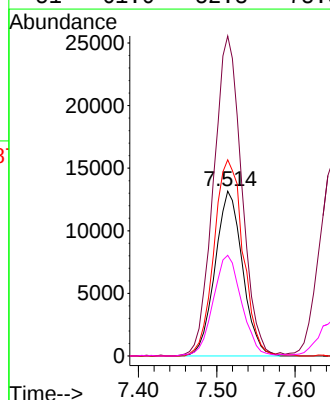
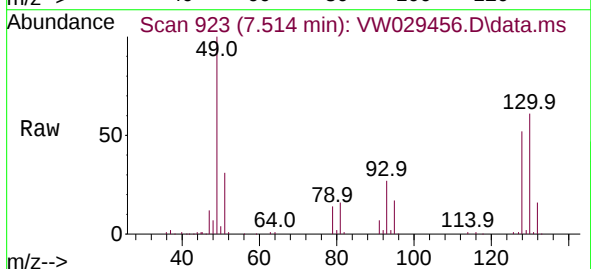
Instrument :
MSVOA_W
ClientSampleId :

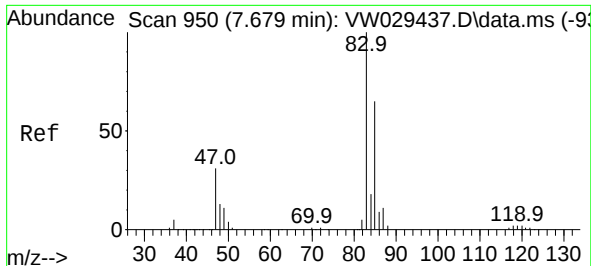
Tgt Ion: 43 Resp: 60159
Ion Ratio Lower Upper
43 100
72 18.3 11.9 35.7



#23
Bromochloromethane
Concen: 20.447 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

Tgt Ion: 128 Resp: 32132
Ion Ratio Lower Upper
128 100
49 194.1 142.6 264.8
130 119.0 79.7 148.1
51 61.0 52.3 78.5





#25

Chloroform

Concen: 19.831 ug/L

RT: 7.678 min Scan# 90

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

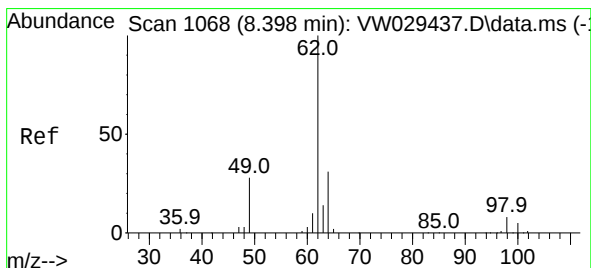
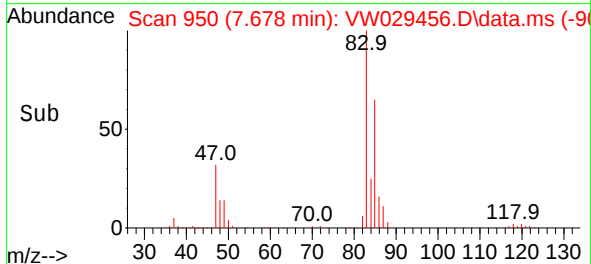
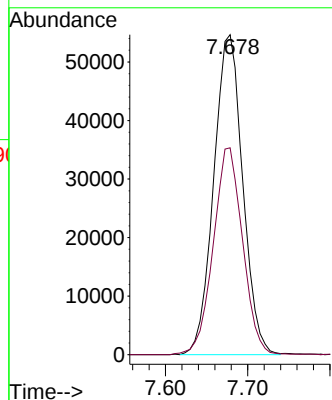
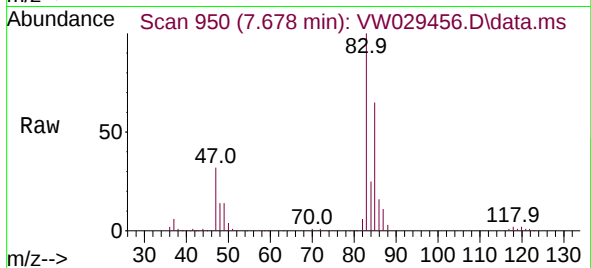
ClientSampleId :

Tgt Ion: 83 Resp: 133884

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.4



#27

1,2-Dichloroethane

Concen: 19.823 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW029456.D

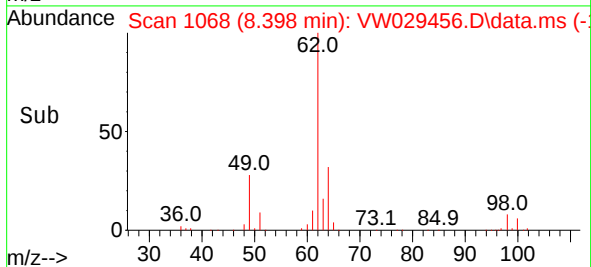
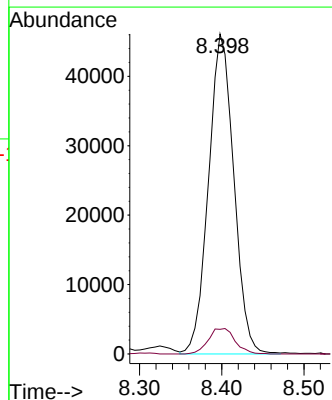
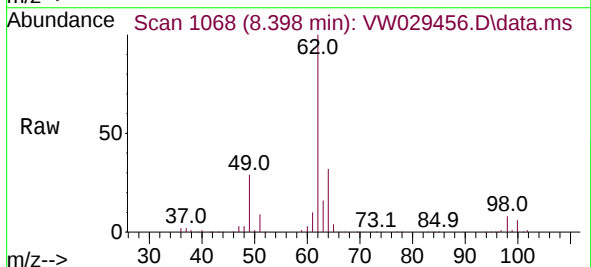
Acq: 02 Jul 2024 19:54

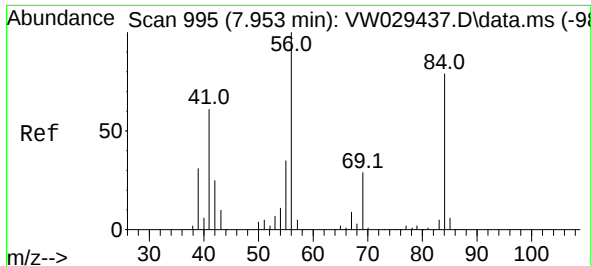
Tgt Ion: 62 Resp: 98705

Ion Ratio Lower Upper

62 100

98 7.7 6.6 10.0





#29

Cyclohexane

Concen: 18.452 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :

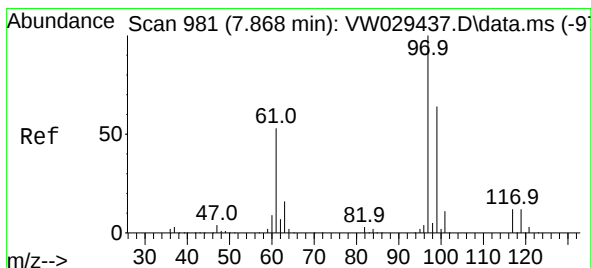
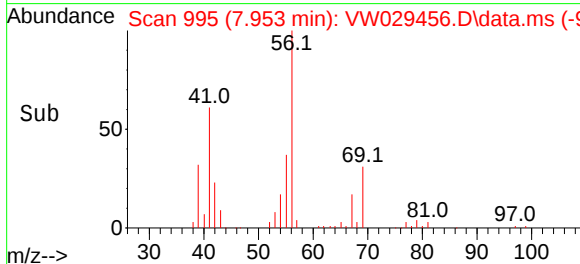
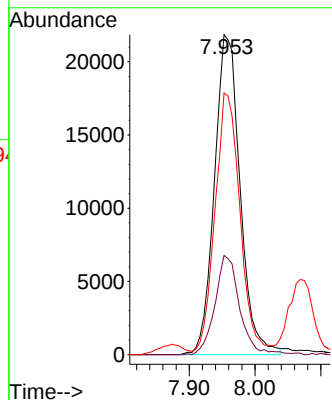
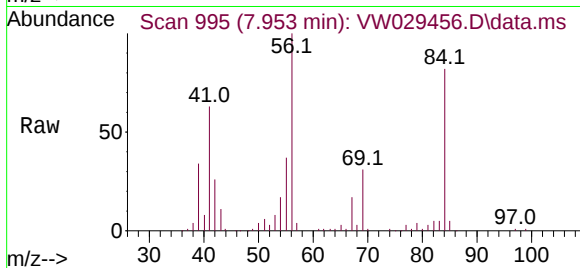
Tgt Ion: 56 Resp: 59379

Ion Ratio Lower Upper

56 100

69 29.1 23.4 35.0

84 79.8 64.5 96.7



#30

1,1,1-Trichloroethane

Concen: 30.900 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

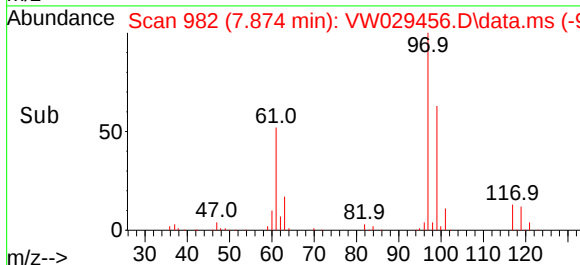
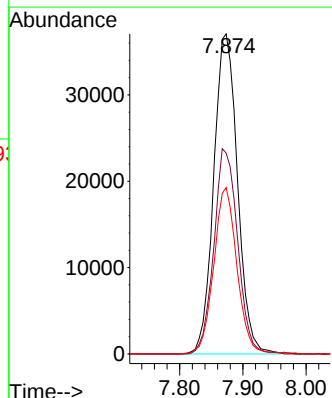
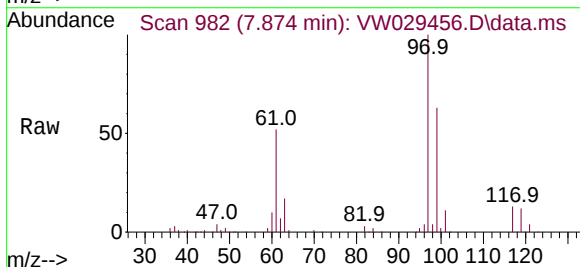
Tgt Ion: 97 Resp: 96721

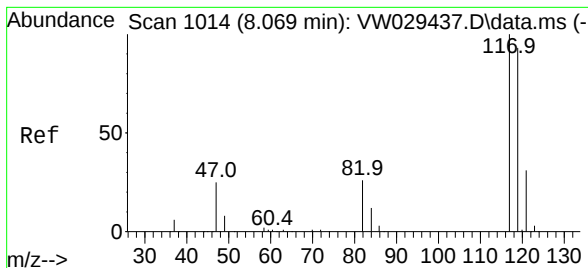
Ion Ratio Lower Upper

97 100

99 64.0 53.0 79.4

61 50.5 43.0 64.4





#31

Carbon tetrachloride

Concen: 25.878 ug/L

RT: 8.075 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

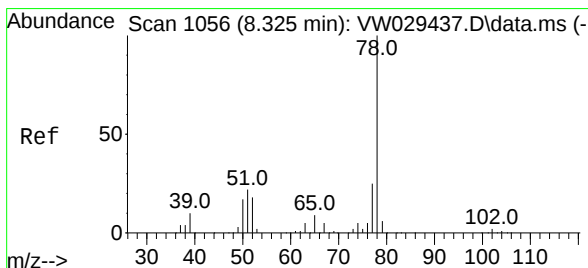
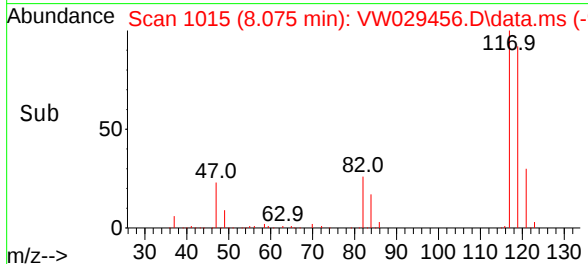
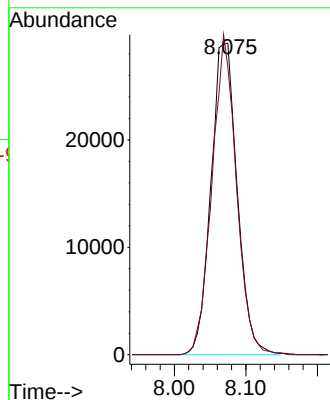
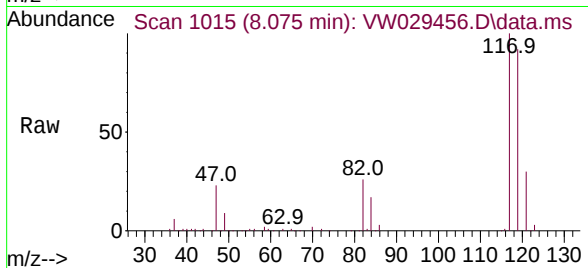
ClientSampleId :

Tgt Ion:117 Resp: 73997

Ion Ratio Lower Upper

117 100

119 95.6 79.0 118.4



#33

Benzene

Concen: 30.251 ug/L

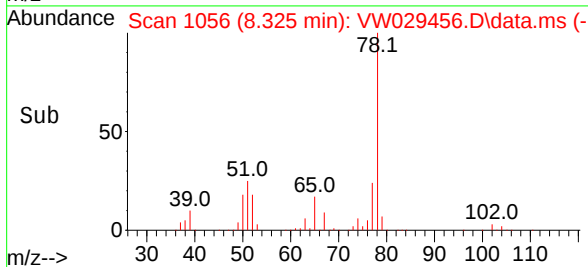
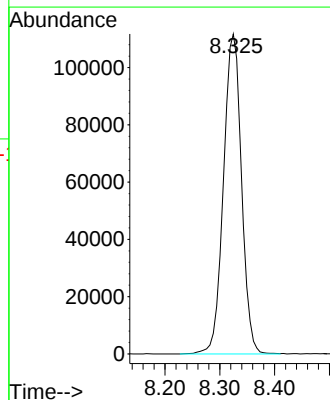
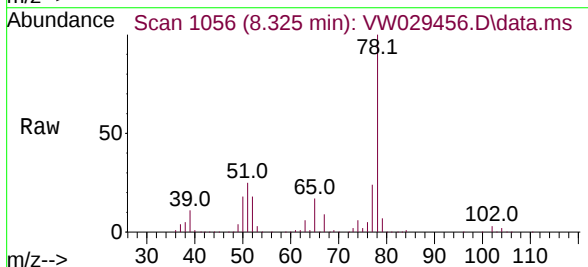
RT: 8.325 min Scan# 1056

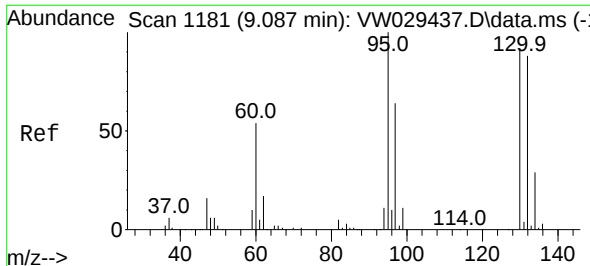
Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Tgt Ion: 78 Resp: 255862

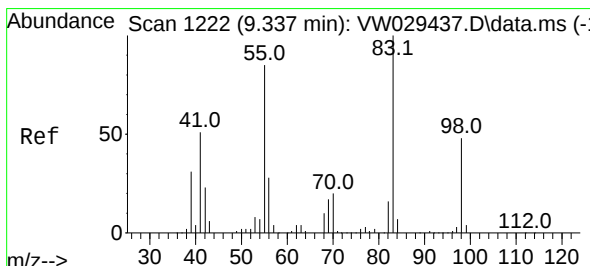
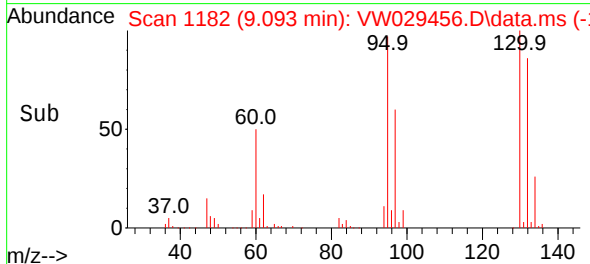
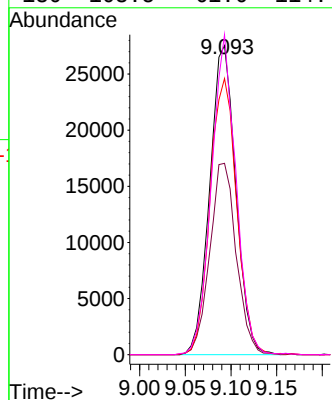
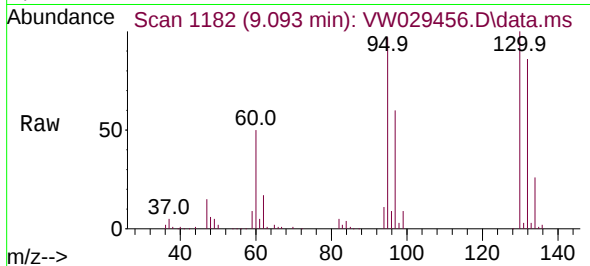




#34
Trichloroethene
Concen: 24.179 ug/L
RT: 9.093 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

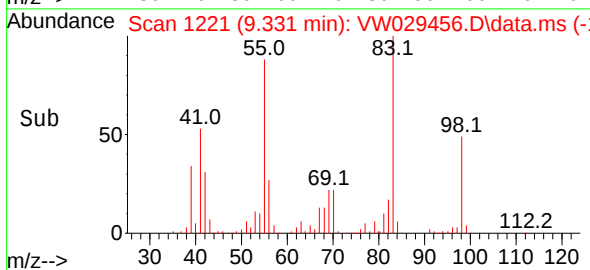
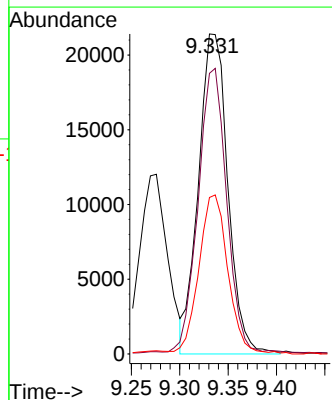
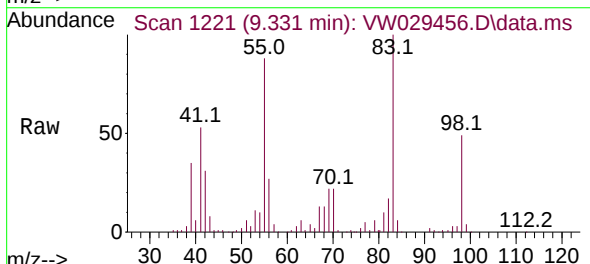
Instrument :
MSVOA_W
ClientSampleId :

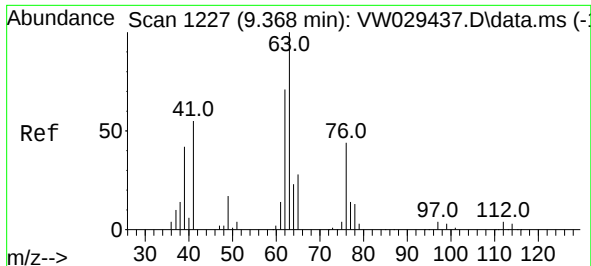
Tgt Ion: 95 Resp: 54560
Ion Ratio Lower Upper
95 100
97 61.9 45.7 84.9
132 89.3 66.4 123.4
130 103.5 61.6 114.4



#35
Methylcyclohexane
Concen: 12.773 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. -0.006 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

Tgt Ion: 83 Resp: 45328
Ion Ratio Lower Upper
83 100
55 86.3 69.5 104.3
98 48.8 38.0 57.0





#37

1,2-Dichloropropane

Concen: 30.963 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

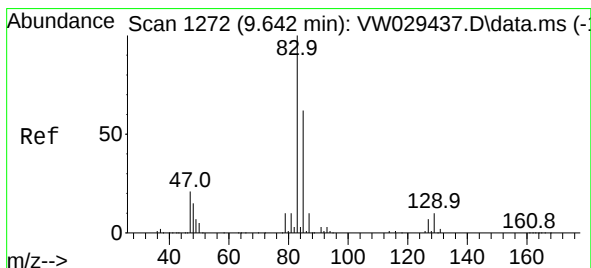
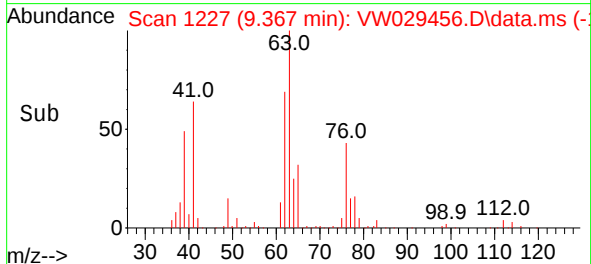
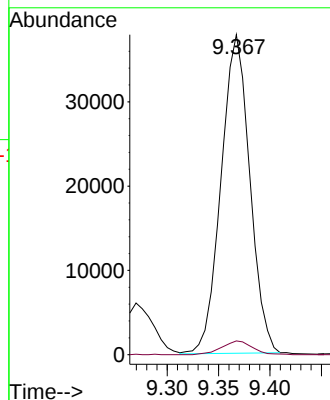
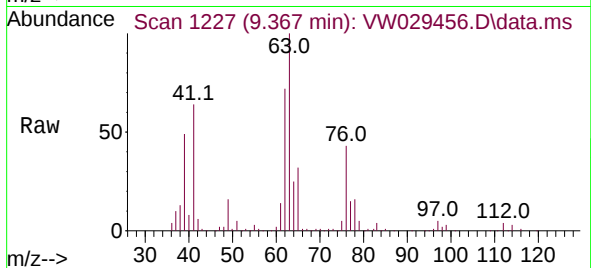
ClientSampleId :

Tgt Ion: 63 Resp: 73589

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 29.159 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

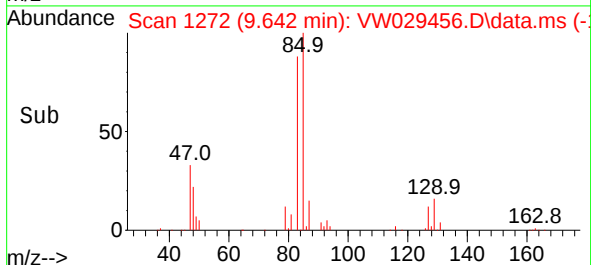
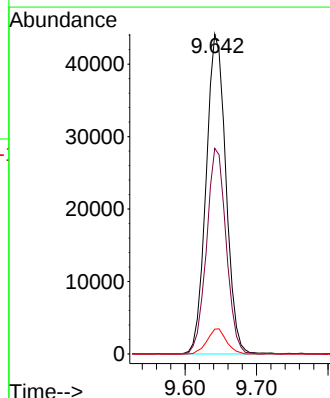
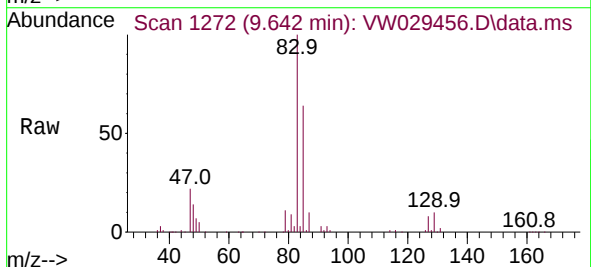
Tgt Ion: 83 Resp: 84731

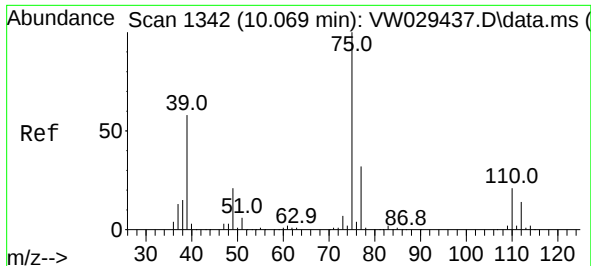
Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.9

127 7.8 5.8 8.6

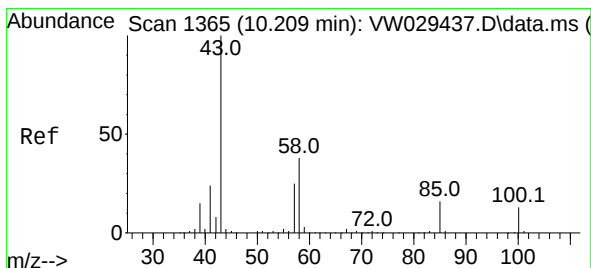
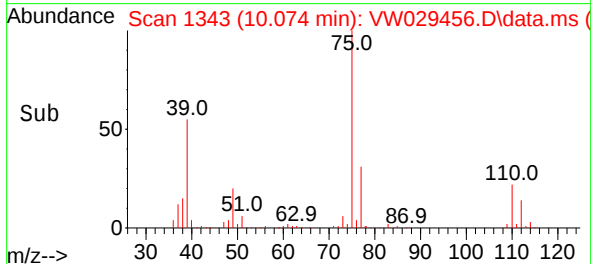
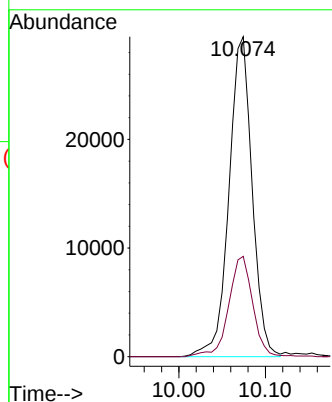
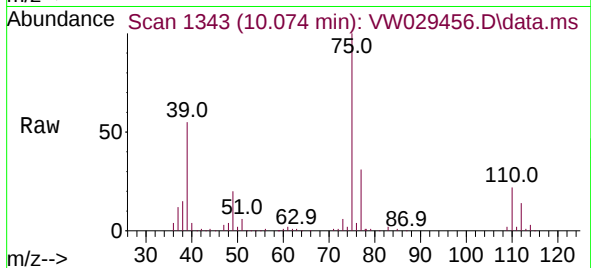




#39
cis-1,3-Dichloropropene
Concen: 16.278 ug/L
RT: 10.074 min Scan# 1342
Delta R.T. 0.006 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

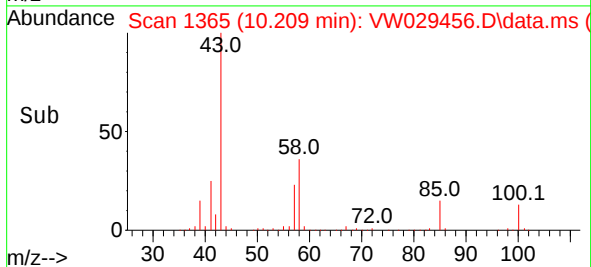
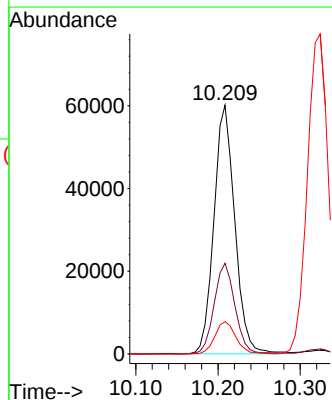
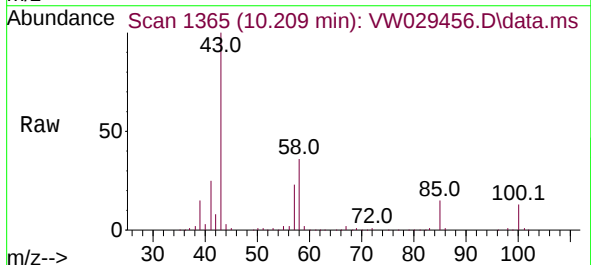
Instrument :
MSVOA_W
ClientSampleId :

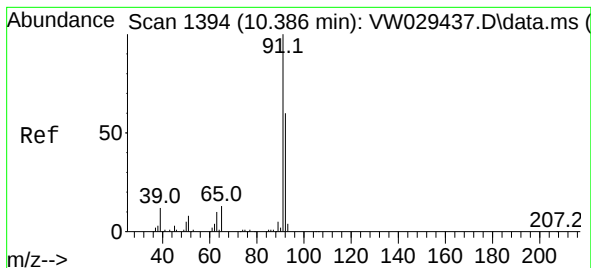
Tgt Ion: 75 Resp: 54686
Ion Ratio Lower Upper
75 100
77 31.4 22.7 42.1



#40
4-Methyl-2-pentanone
Concen: 71.887 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

Tgt Ion: 43 Resp: 105894
Ion Ratio Lower Upper
43 100
58 36.7 28.2 42.4
100 13.2 11.0 16.4





#42

Toluene

Concen: 23.561 ug/L

RT: 10.385 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

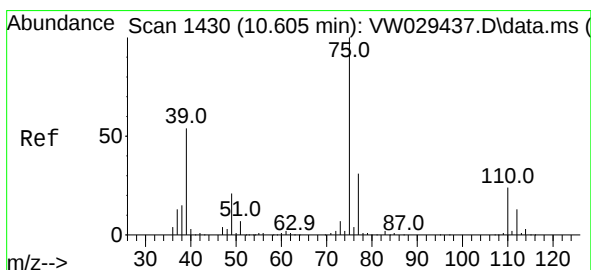
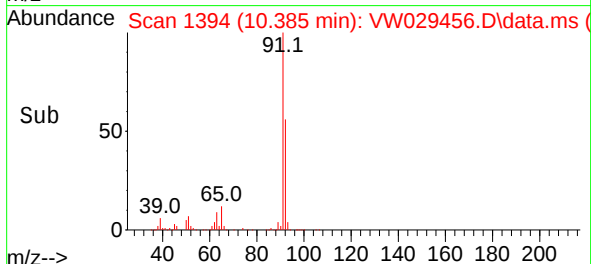
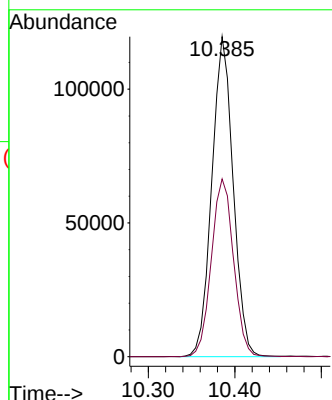
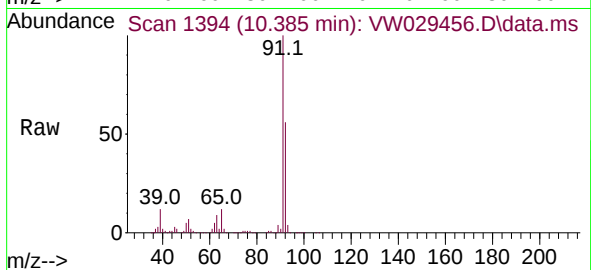
ClientSampleId :

Tgt Ion: 91 Resp: 204868

Ion Ratio Lower Upper

91 100

92 55.6 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 16.937 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW029456.D

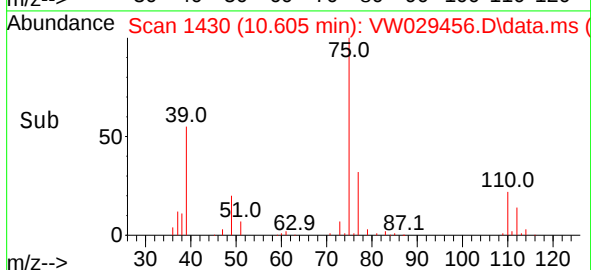
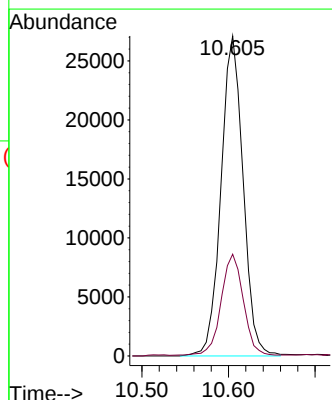
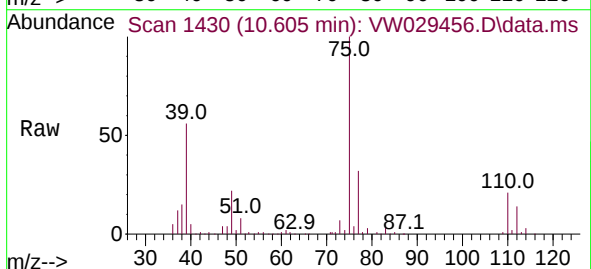
Acq: 02 Jul 2024 19:54

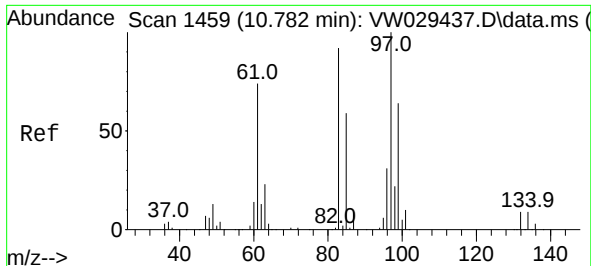
Tgt Ion: 75 Resp: 48046

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 30.267 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 50099

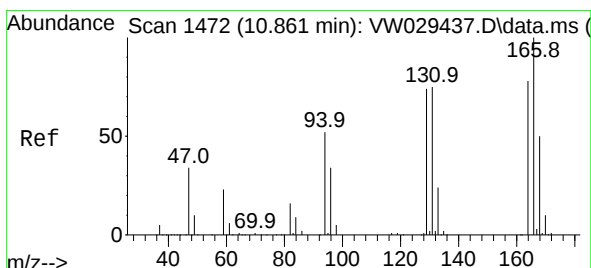
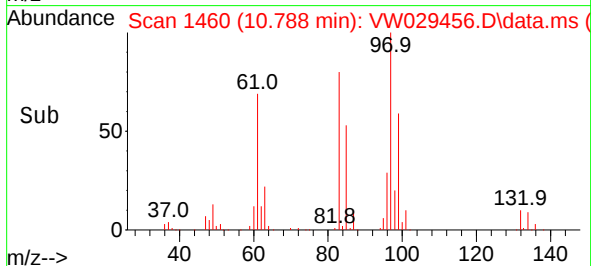
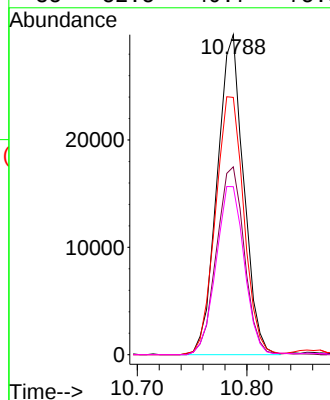
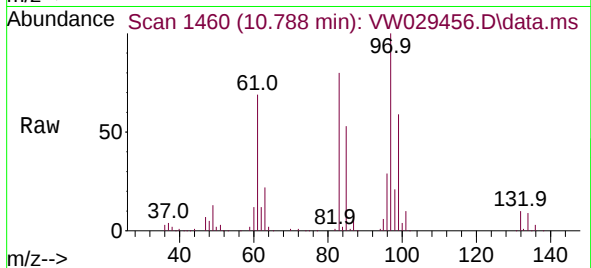
Ion Ratio Lower Upper

97 100

99 58.7 42.3 78.5

83 80.4 57.7 107.1

85 52.5 40.7 75.5



#46

Tetrachloroethene

Concen: 16.987 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Tgt Ion:164 Resp: 26796

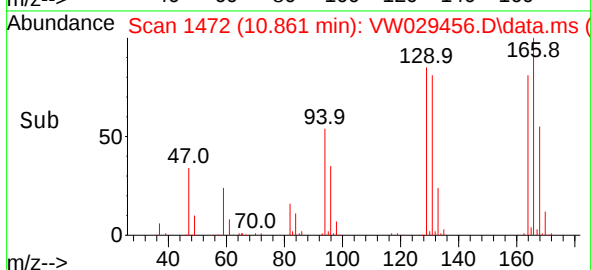
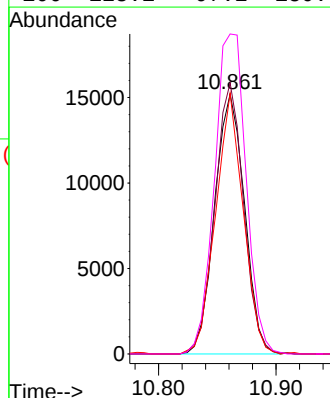
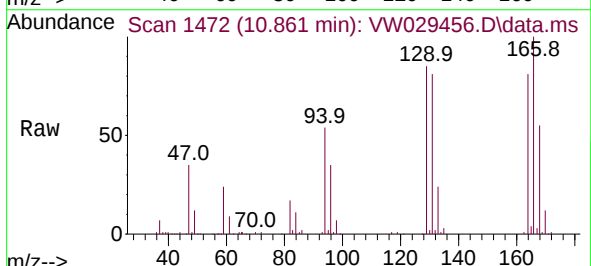
Ion Ratio Lower Upper

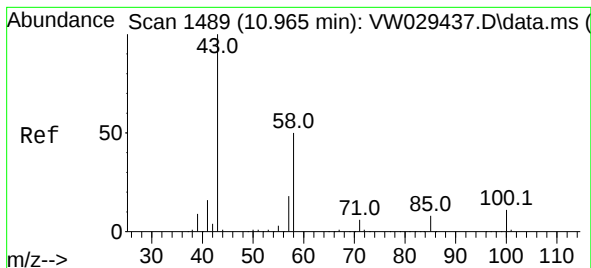
164 100

129 104.2 68.5 127.3

131 100.2 71.8 133.4

166 123.1 97.2 180.4





#48

2-Hexanone

Concen: 69.598 ug/L

RT: 10.964 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 72747

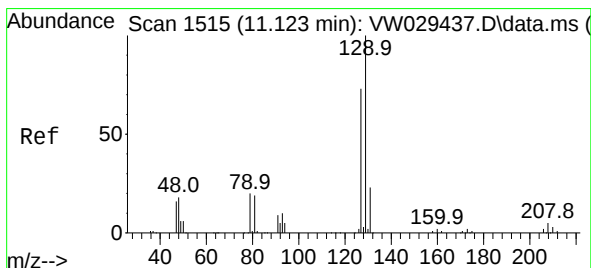
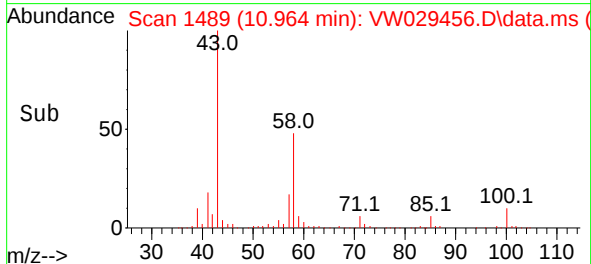
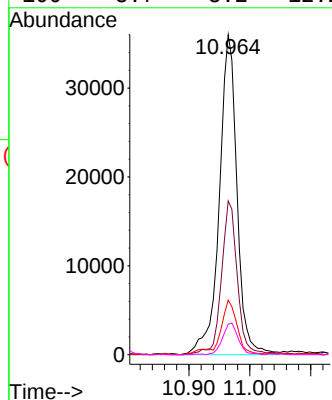
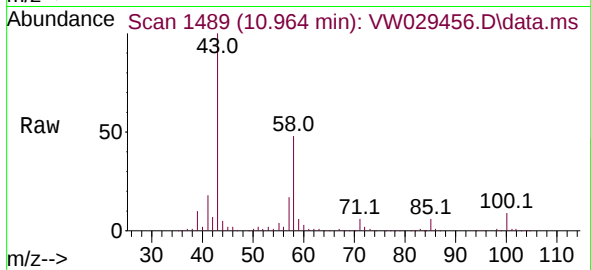
Ion Ratio Lower Upper

43 100

58 41.8 39.6 59.4

57 14.5 14.6 21.8#

100 8.7 8.2 12.2



#49

Dibromochloromethane

Concen: 25.507 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW029456.D

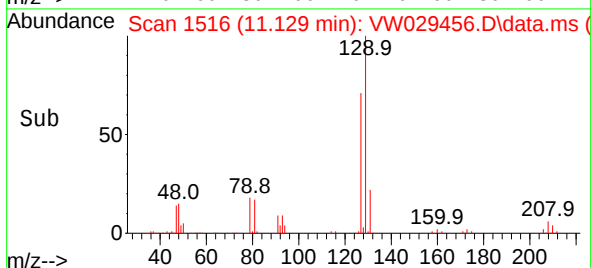
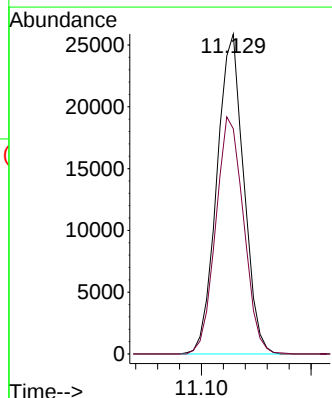
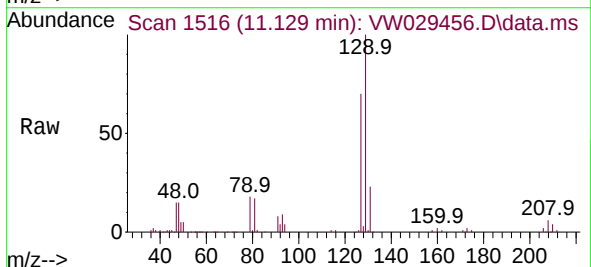
Acq: 02 Jul 2024 19:54

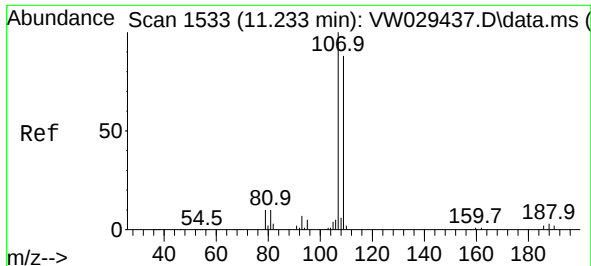
Tgt Ion:129 Resp: 44134

Ion Ratio Lower Upper

129 100

127 70.3 54.8 101.8





#50

1,2-Dibromoethane

Concen: 24.920 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

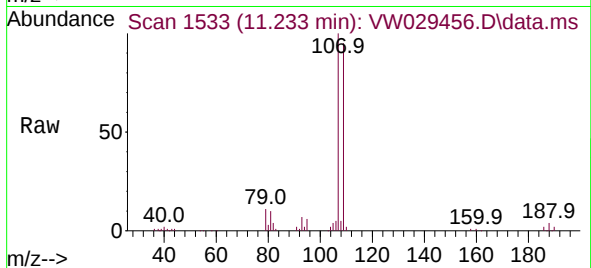
Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :



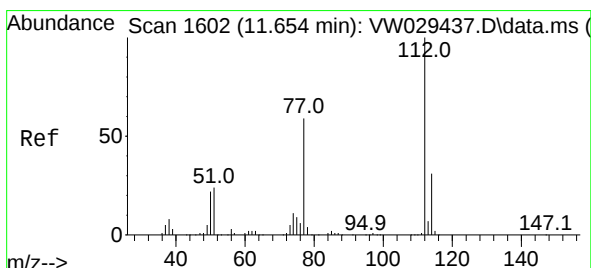
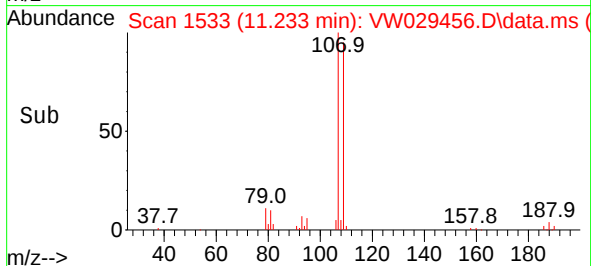
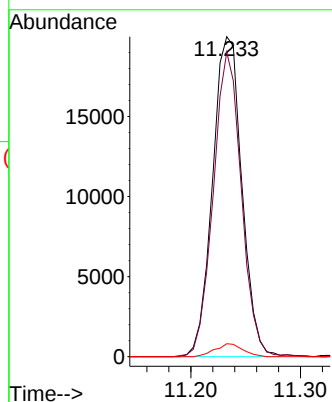
Tgt Ion:107 Resp: 37028

Ion Ratio Lower Upper

107 100

109 95.2 65.5 121.6

188 4.0 2.6 4.0#



#51

Chlorobenzene

Concen: 16.929 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

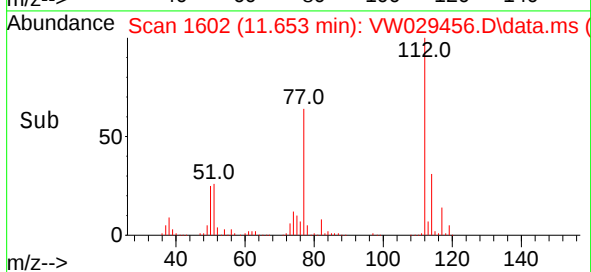
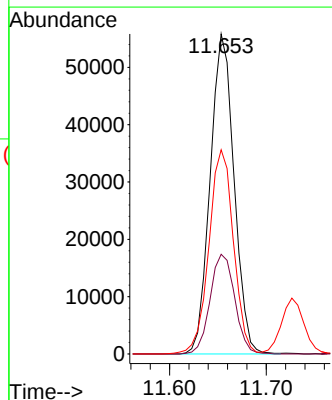
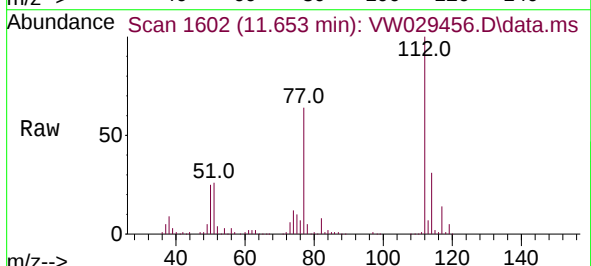
Tgt Ion:112 Resp: 95586

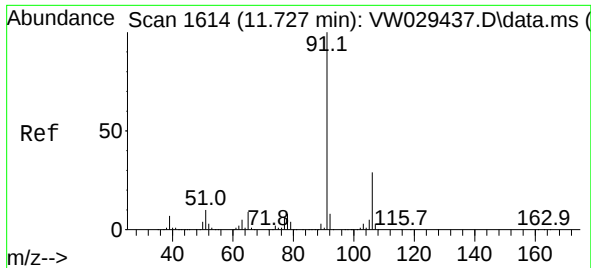
Ion Ratio Lower Upper

112 100

114 31.2 22.6 42.0

77 63.8 51.0 76.6

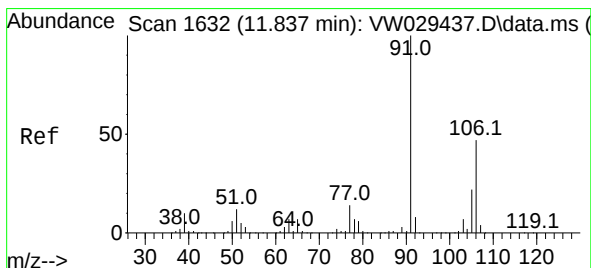
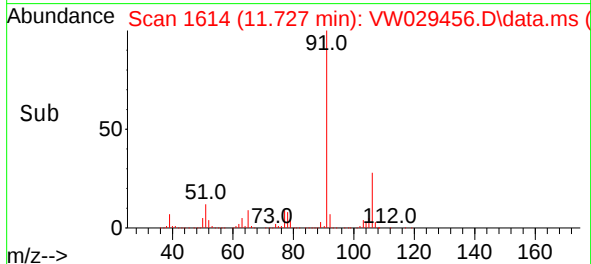
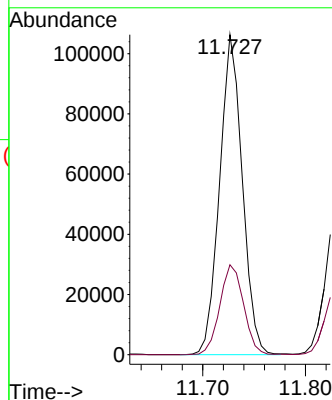
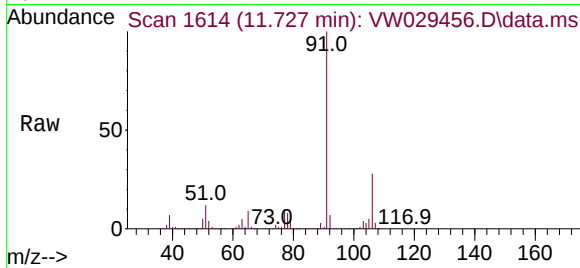




#52
Ethylbenzene
Concen: 16.505 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

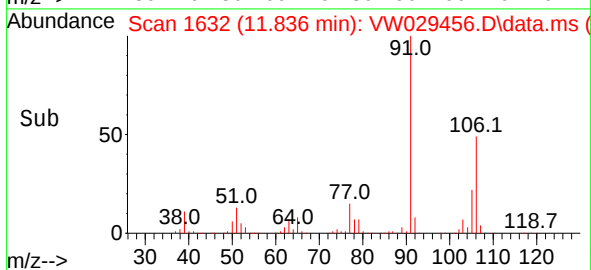
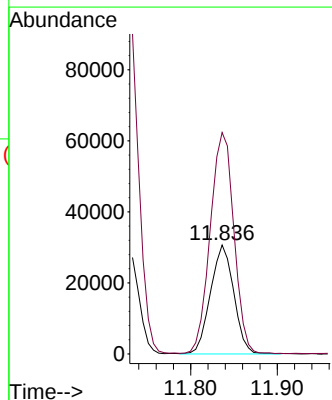
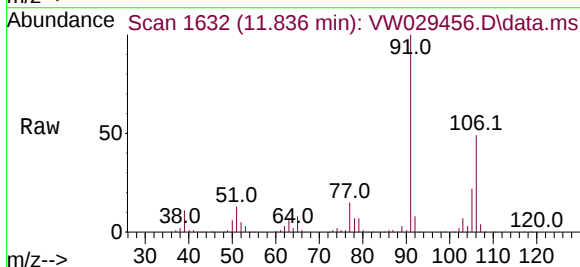
Instrument :
MSVOA_W
ClientSampleId :

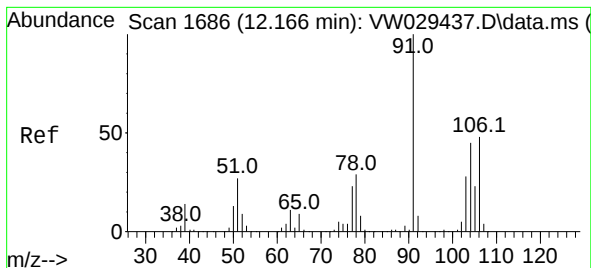
Tgt Ion: 91 Resp: 162908
Ion Ratio Lower Upper
91 100
106 28.1 19.9 37.0



#53
m,p-Xylene
Concen: 15.904 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

Tgt Ion:106 Resp: 57338
Ion Ratio Lower Upper
106 100
91 203.0 140.5 260.9

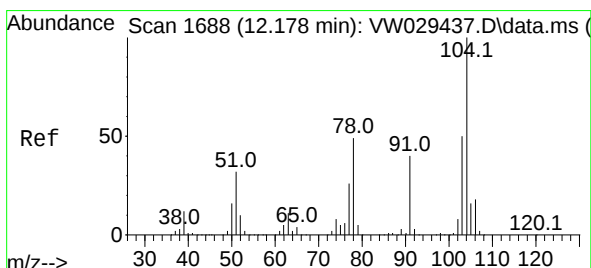
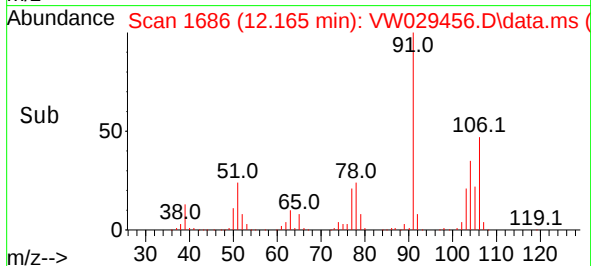
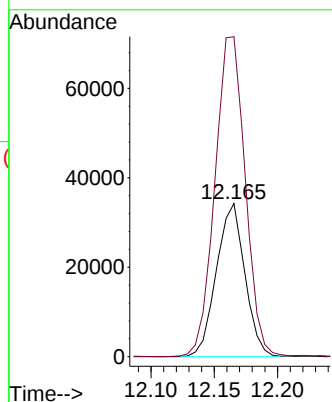
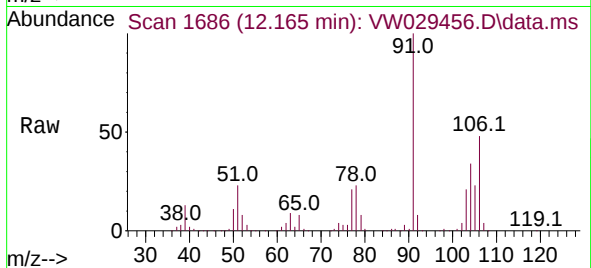




#54
o-Xylene
Concen: 15.884 ug/L
RT: 12.165 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

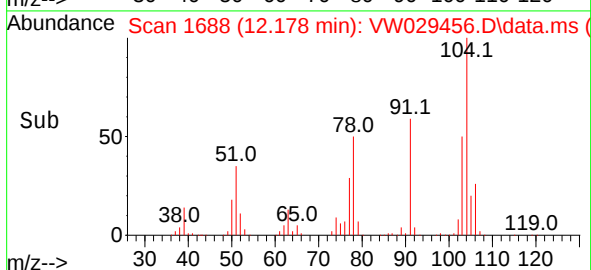
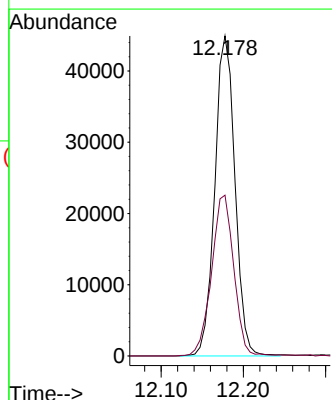
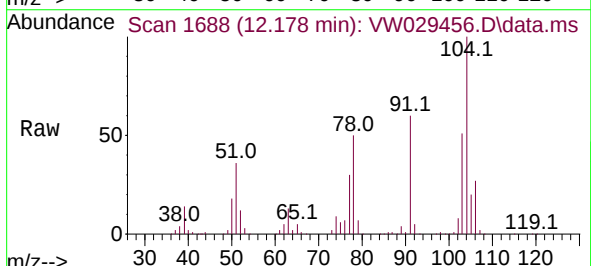
Instrument :
MSVOA_W
ClientSampleId :

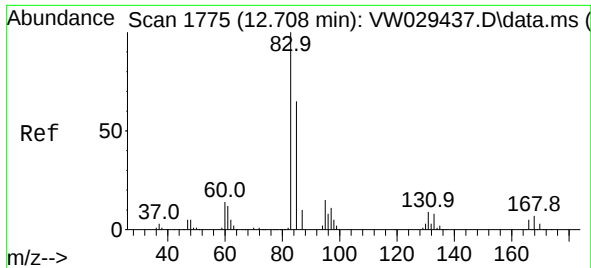
Tgt Ion:106 Resp: 53520
Ion Ratio Lower Upper
106 100
91 208.9 149.9 278.5



#55
Styrene
Concen: 13.023 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

Tgt Ion:104 Resp: 76508
Ion Ratio Lower Upper
104 100
78 50.2 35.4 65.7

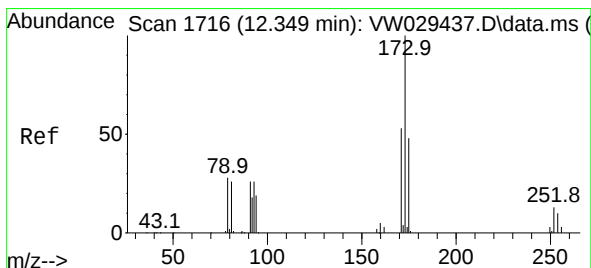
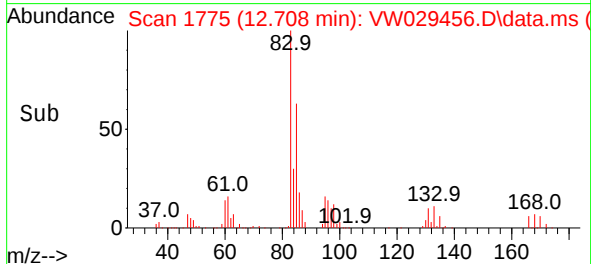
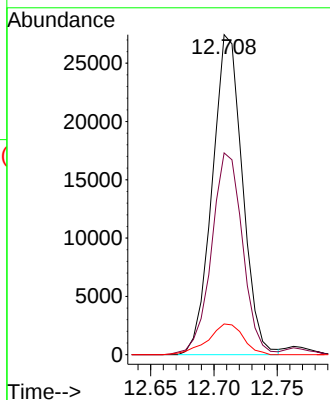
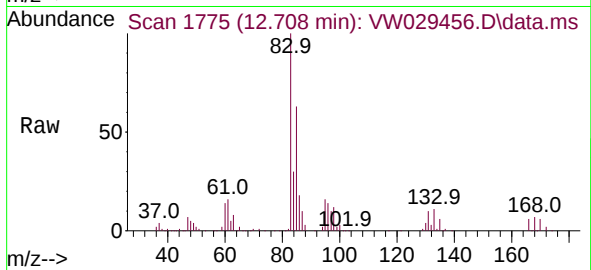




#57
1,1,2,2-Tetrachloroethane
Concen: 22.241 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

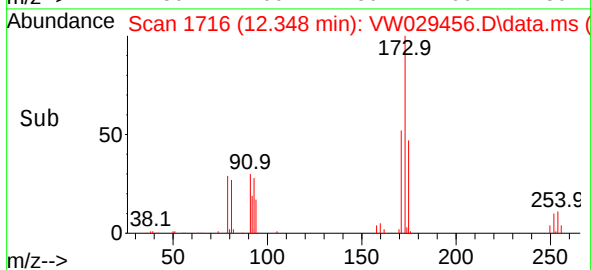
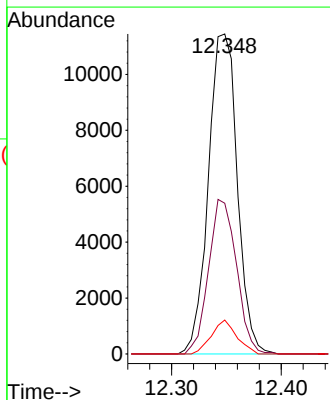
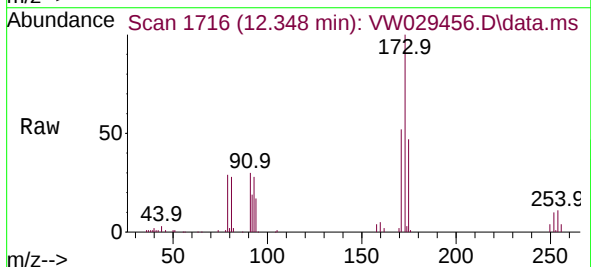
Instrument :
MSVOA_W
ClientSampleId :

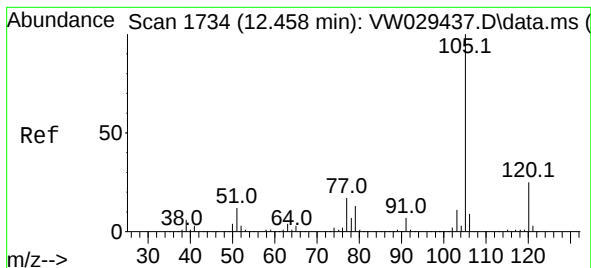
Tgt Ion:	83	Resp:	45539
Ion Ratio	Lower	Upper	
83	100		
85	63.1	45.8	85.0
131	9.6	7.8	11.6



#59
Bromoform
Concen: 50.229 ug/L
RT: 12.348 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW029456.D
Acq: 02 Jul 2024 19:54

Tgt Ion:	173	Resp:	20994
Ion Ratio	Lower	Upper	
173	100		
175	46.6	37.8	56.8
254	9.3	7.8	11.6





#60

Isopropylbenzene

Concen: 29.662 ug/L

RT: 12.464 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :

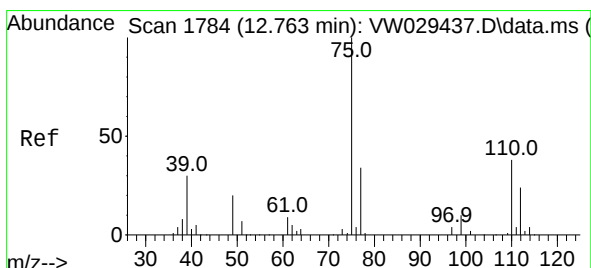
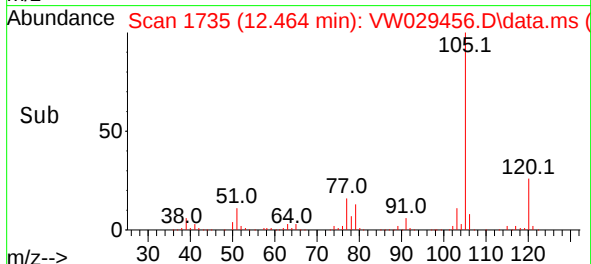
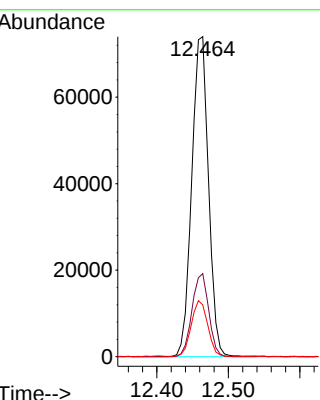
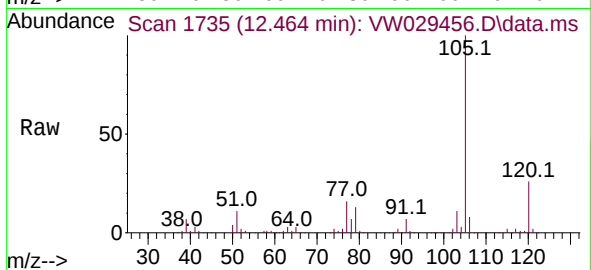
Tgt Ion:105 Resp: 120531

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

77 17.3 13.6 20.4



#61

1,2,3-Trichloropropane

Concen: 60.427 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

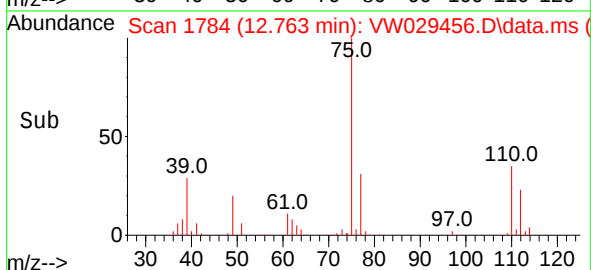
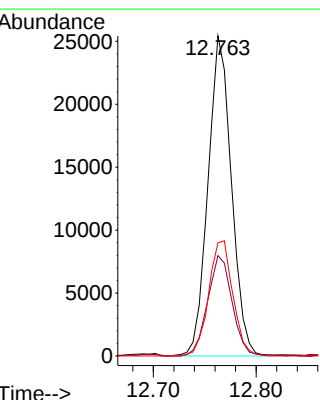
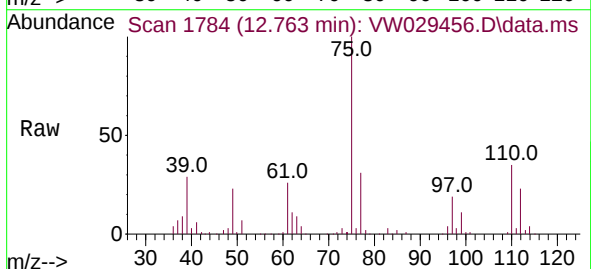
Tgt Ion: 75 Resp: 40194

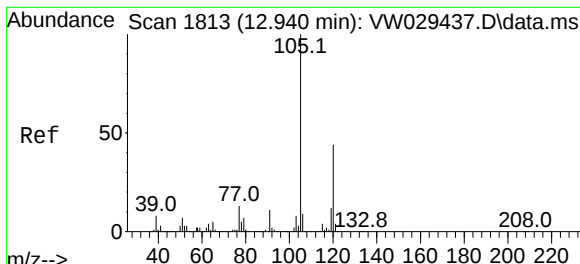
Ion Ratio Lower Upper

75 100

77 32.8 26.6 39.8

110 37.1 29.5 44.3

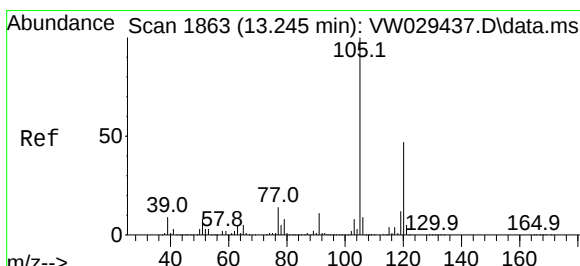
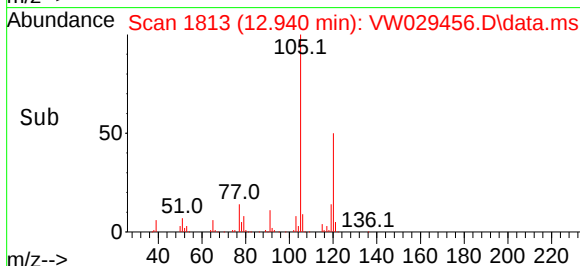
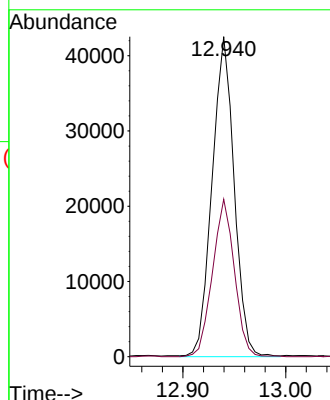
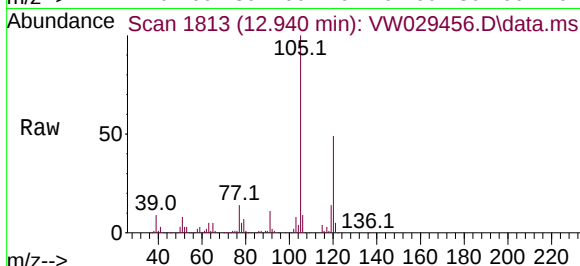




#62
 1,3,5-Trimethylbenzene
 Concen: 21.531 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. -0.000 min
 Lab File: VW029456.D
 Acq: 02 Jul 2024 19:54

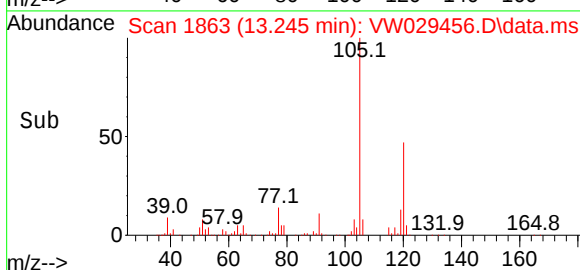
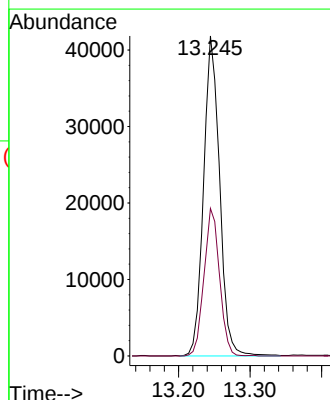
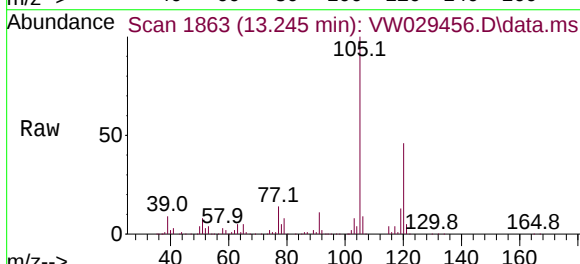
Instrument :
 MSVOA_W
 ClientSampleId :

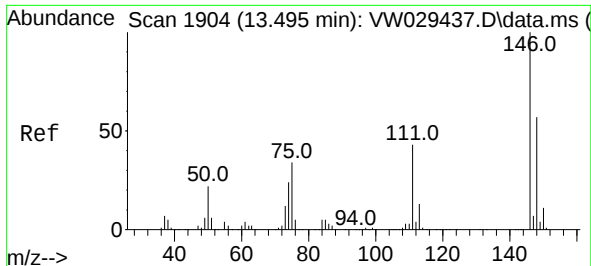
Tgt Ion:105 Resp: 63363
 Ion Ratio Lower Upper
 105 100
 120 48.7 36.4 54.6



#63
 1,2,4-Trimethylbenzene
 Concen: 20.602 ug/L
 RT: 13.245 min Scan# 1863
 Delta R.T. -0.000 min
 Lab File: VW029456.D
 Acq: 02 Jul 2024 19:54

Tgt Ion:105 Resp: 65232
 Ion Ratio Lower Upper
 105 100
 120 44.6 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 18.143 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :

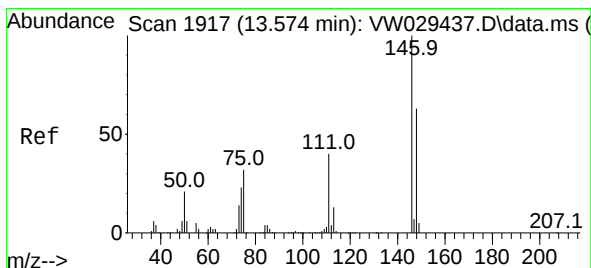
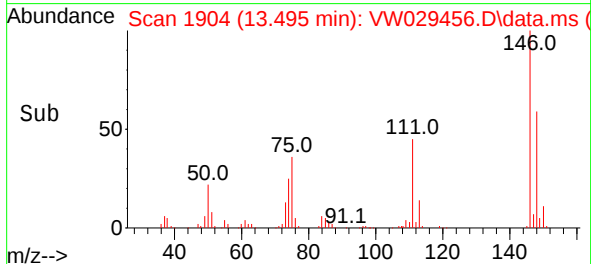
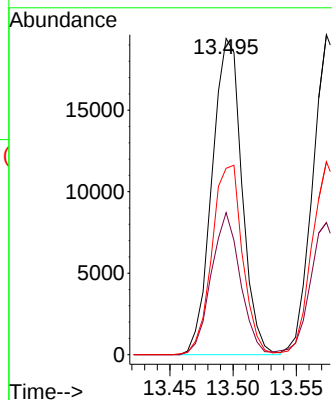
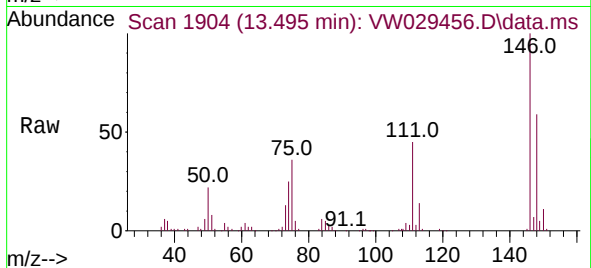
Tgt Ion:146 Resp: 31904

Ion Ratio Lower Upper

146 100

111 44.9 33.0 61.2

148 58.9 47.5 88.1



#65

1,4-Dichlorobenzene

Concen: 16.859 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

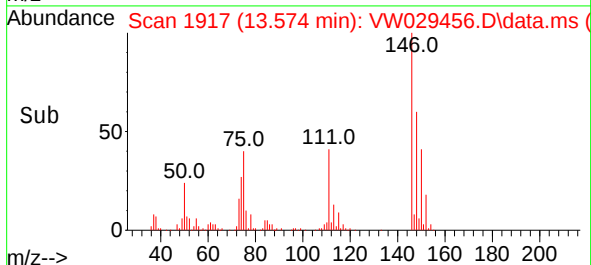
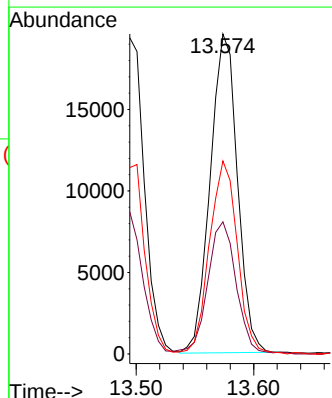
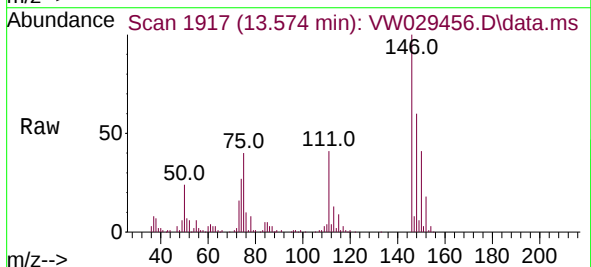
Tgt Ion:146 Resp: 31542

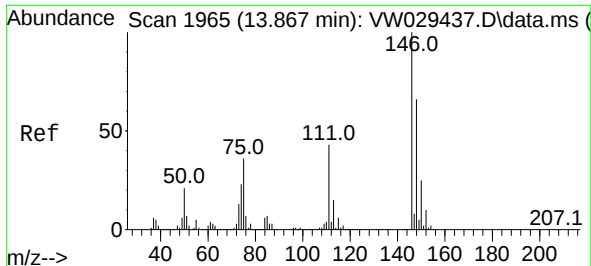
Ion Ratio Lower Upper

146 100

111 41.3 28.9 53.7

148 60.3 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 17.242 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

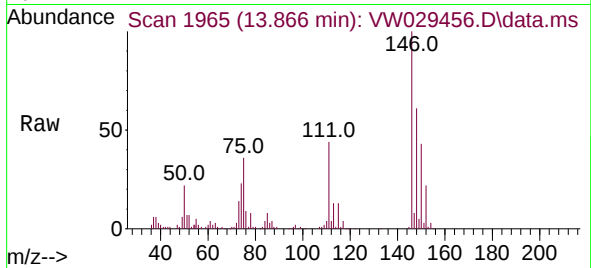
Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :



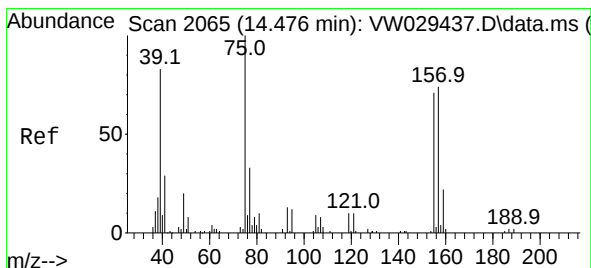
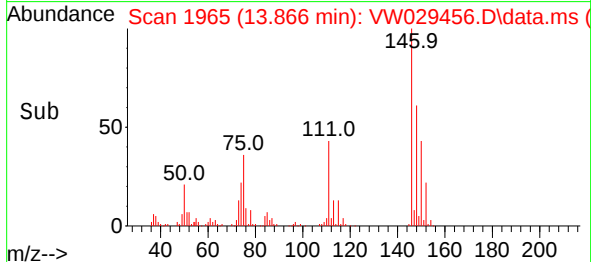
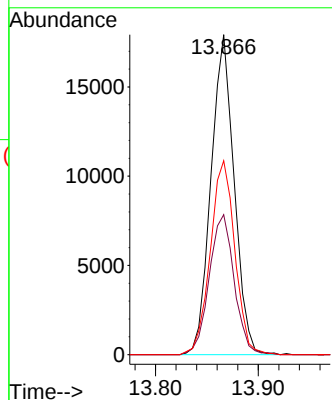
Tgt Ion:146 Resp: 28030

Ion Ratio Lower Upper

146 100

111 43.8 34.2 51.4

148 60.6 46.3 69.5



#68

1,2-Dibromo-3-chloropropane

Concen: 37.951 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

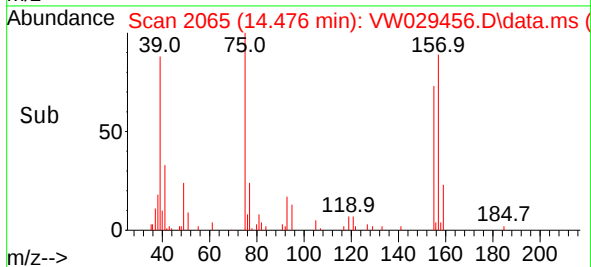
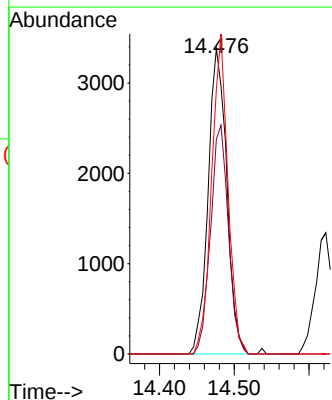
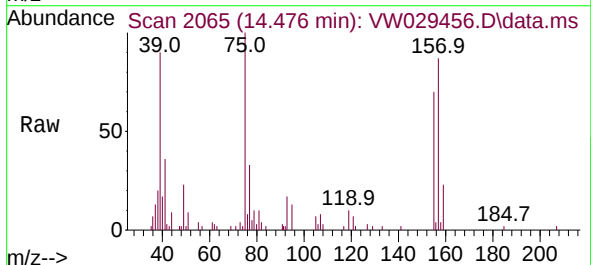
Tgt Ion: 75 Resp: 5891

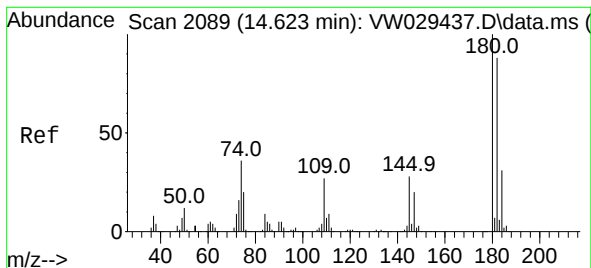
Ion Ratio Lower Upper

75 100

155 70.4 51.0 76.6

157 86.7 58.8 88.2





#69

1,3,5-Trichlorobenzene

Concen: 9.113 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

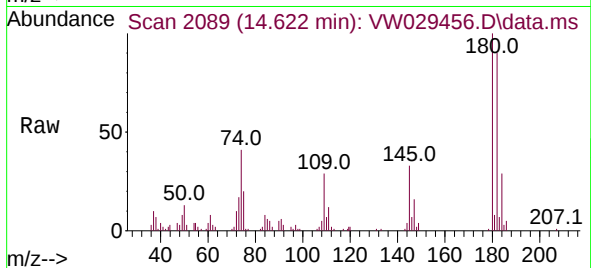
Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 10815

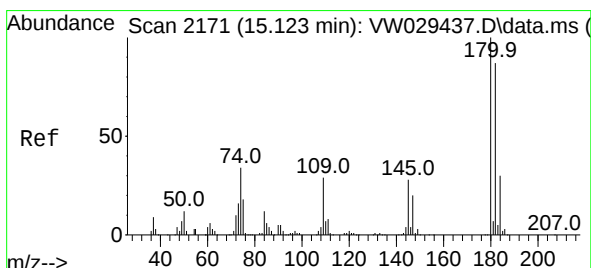
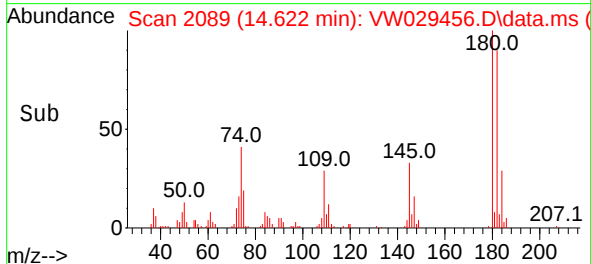
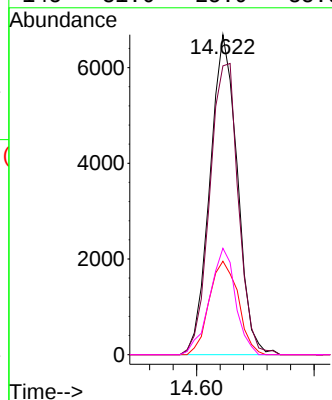
Ion Ratio Lower Upper

180 100

182 94.4 72.9 109.3

184 30.8 23.8 35.6

145 31.6 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 7.112 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

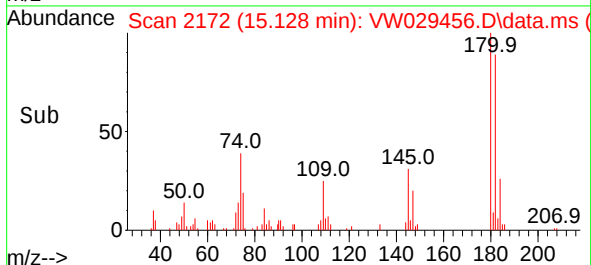
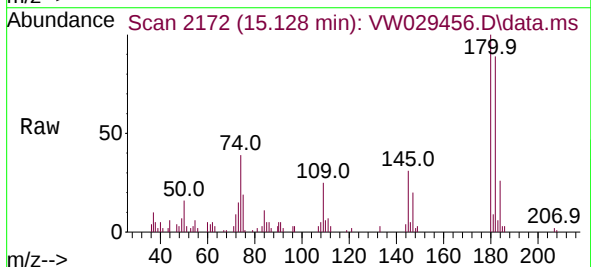
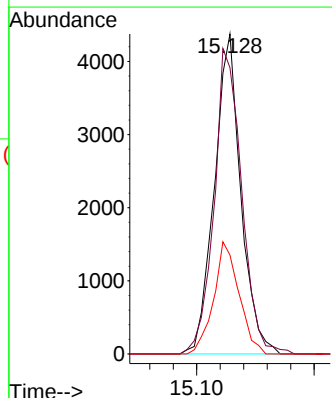
Tgt Ion:180 Resp: 6842

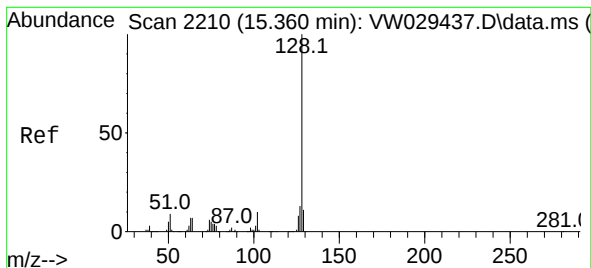
Ion Ratio Lower Upper

180 100

182 99.6 77.7 116.5

145 33.6 25.7 38.5





#71

Naphthalene

Concen: 9.476 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

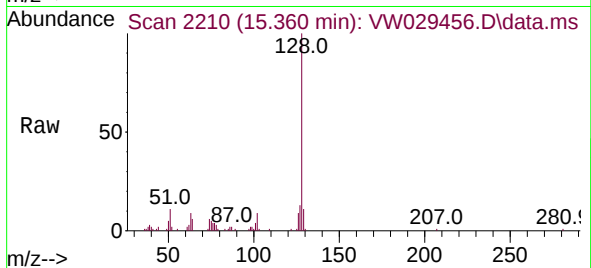
Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Instrument :

MSVOA_W

ClientSampleId :



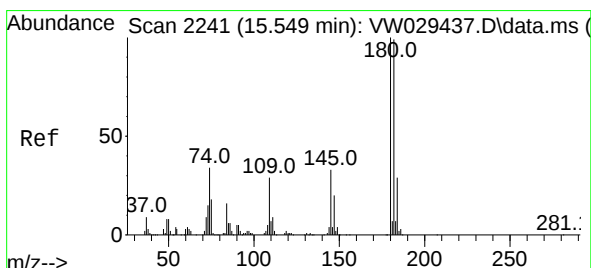
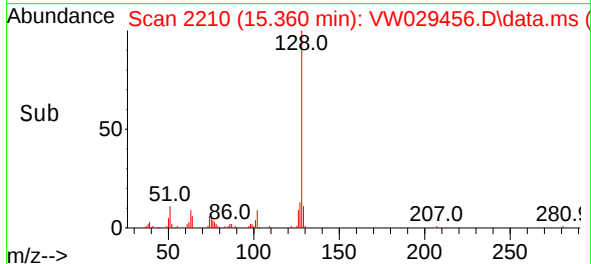
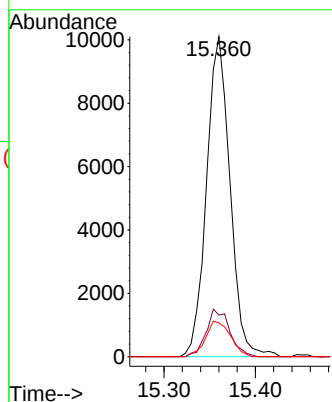
Tgt Ion:128 Resp: 17993

Ion Ratio Lower Upper

128 100

127 14.8 10.3 15.5

129 11.9 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 6.032 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW029456.D

Acq: 02 Jul 2024 19:54

Tgt Ion:180 Resp: 5288

Ion Ratio Lower Upper

180 100

182 99.8 73.0 109.6

145 34.2 28.1 42.1

