

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070124\
 Data File : VW029433.D
 Acq On : 01 Jul 2024 17:40
 Operator : SY/MD
 Sample : P3125-02MS
 Misc : 5.64g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4CZ2MS

Quant Time: Jul 02 08:12:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jun 29 02:05:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	440914	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	363006	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	129455	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	93644	15.344	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.360%
7) Chloroethane-d5	2.899	69	83097	16.124	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.480%
11) 1,1-Dichloroethene-d2	4.027	65	48433	16.437	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.760%
21) 2-Butanone-d5	7.075	46	80933	44.326	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.660%
24) Chloroform-d	7.648	84	259228	19.709	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.840%
26) 1,2-Dichloroethane-d4	8.307	65	143283	18.974	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	75.880%
32) Benzene-d6	8.276	84	468306	21.239	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.960%
36) 1,2-Dichloropropane-d6	9.270	67	156983	22.398	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.600%
41) Toluene-d8	10.318	98	400365	20.524	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.080%
43) trans-1,3-Dichloroprop...	10.575	79	56843	20.125	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.520%
47) 2-Hexanone-d5	10.922	63	52484	47.768	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.540%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	119936	21.500	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	13.848	152	96992	21.585	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	71632	16.652	ug/L	99
3) Chloromethane	2.222	50	98867	16.119	ug/L	97
5) Vinyl chloride	2.375	62	123840	17.582	ug/L	97
6) Bromomethane	2.789	94	69155	16.335	ug/L	91
8) Chloroethane	2.936	64	82302	19.103	ug/L	99
9) Trichlorofluoromethane	3.265	101	120633	22.090	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	106821	17.741	ug/L #	91
12) 1,1-Dichloroethene	4.045	96	103392	20.238	ug/L	84
13) Acetone	4.118	43	46932	30.246	ug/L	94
14) Carbon disulfide	4.393	76	270046	16.192	ug/L	99
15) Methyl Acetate	4.673	43	57497	18.666	ug/L	98
16) Methylene chloride	4.917	84	132558	17.098	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	115333	20.328	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	220529	24.295	ug/L	98
19) 1,1-Dichloroethane	6.216	63	263979	21.543	ug/L	96
20) cis-1,2-Dichloroethene	7.173	96	135497	21.657	ug/L	96
22) 2-Butanone	7.167	43	82611	38.839	ug/L	98
23) Bromochloromethane	7.514	128	57437	20.622	ug/L	94
25) Chloroform	7.673	83	257856	21.550	ug/L	99

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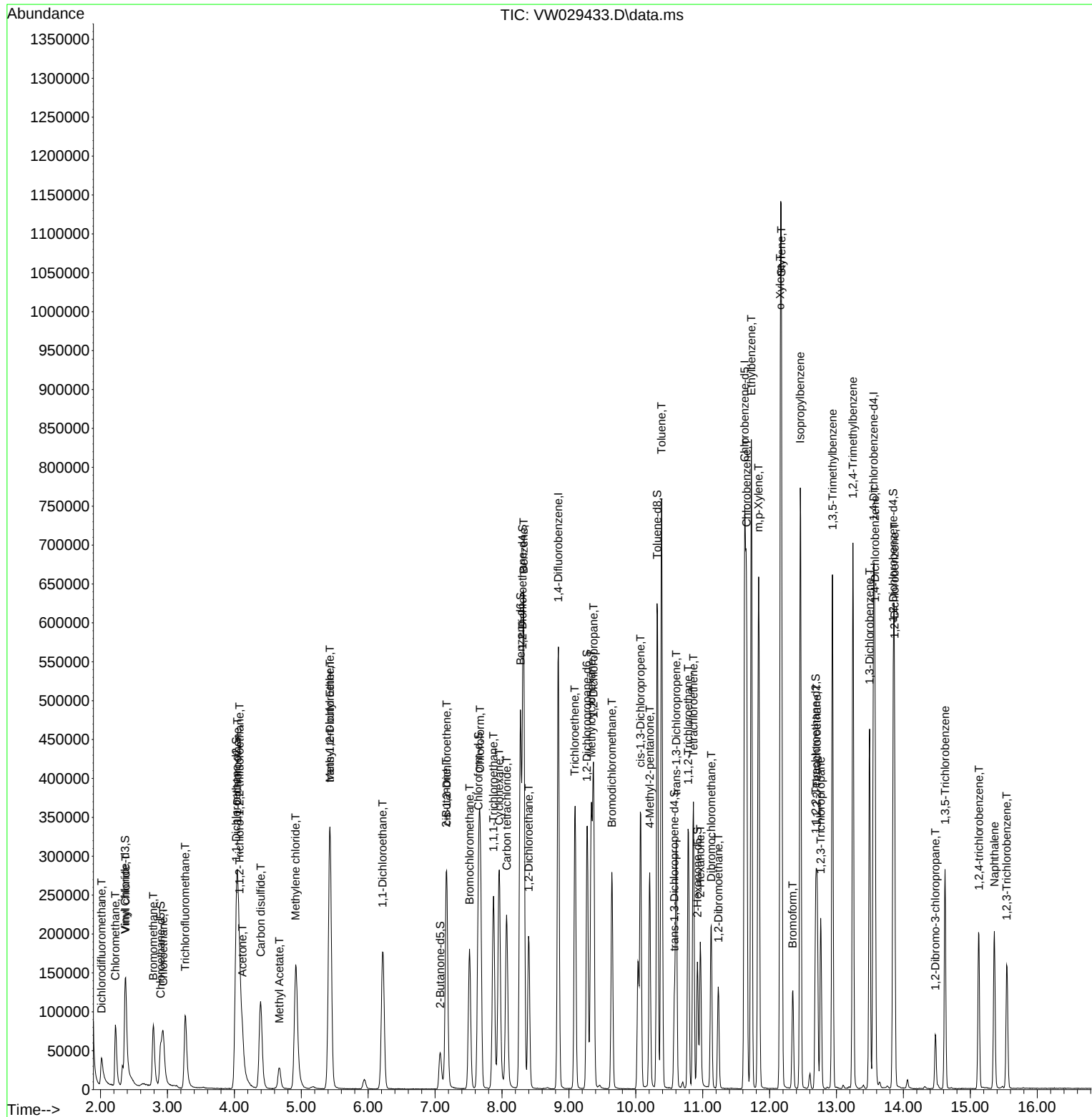
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	180806	20.488	ug/L	100
29) Cyclohexane	7.959	56	161623	19.476	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	195394	24.206	ug/L	97
31) Carbon tetrachloride	8.069	117	169729	23.018	ug/L	95
33) Benzene	8.325	78	526768	24.151	ug/L	100
34) Trichloroethene	9.087	95	127050	21.833	ug/L	97
35) Methylcyclohexane	9.337	83	133759	14.616	ug/L	98
37) 1,2-Dichloropropane	9.367	63	152563	24.893	ug/L	99
38) Bromodichloromethane	9.642	83	181956	24.282	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	201017	23.202	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	191431	50.394	ug/L	99
42) Toluene	10.386	91	524075	23.373	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	168398	23.020	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	101470	23.772	ug/L	96
46) Tetrachloroethene	10.861	164	77948	19.162	ug/L	89
48) 2-Hexanone	10.965	43	124179	46.069	ug/L	99
49) Dibromochloromethane	11.129	129	107325	24.053	ug/L	99
50) 1,2-Dibromoethane	11.233	107	87888	22.937	ug/L	92
51) Chlorobenzene	11.654	112	310425	21.319	ug/L	99
52) Ethylbenzene	11.727	91	549077	21.572	ug/L	96
53) m,p-Xylene	11.836	106	198044	21.302	ug/L	96
54) o-Xylene	12.160	106	196150	22.575	ug/L	97
55) Styrene	12.178	104	325740	21.501	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	119211	22.578	ug/L	95
59) Bromoform	12.342	173	56599	31.900	ug/L	99
60) Isopropylbenzene	12.458	105	475250	27.552	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	89341	31.641	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	334408	26.769	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	353583	26.306	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	171896	23.028	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	184123	23.183	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	163754	23.729	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.476	75	18374	27.885	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	79233	15.727	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	60638	14.848	ug/L	98
71) Naphthalene	15.360	128	161164	19.995	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	49512	13.306	ug/L	94

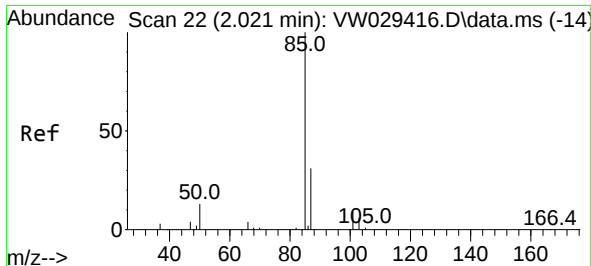
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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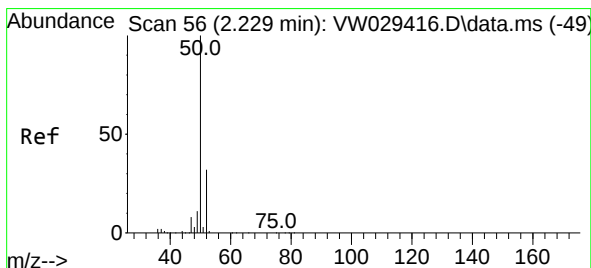
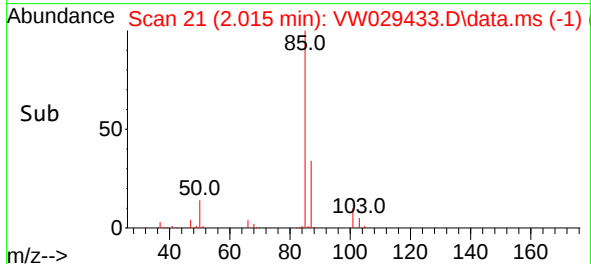
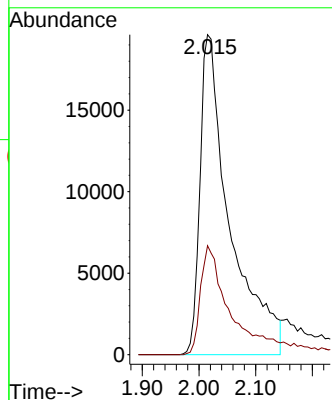
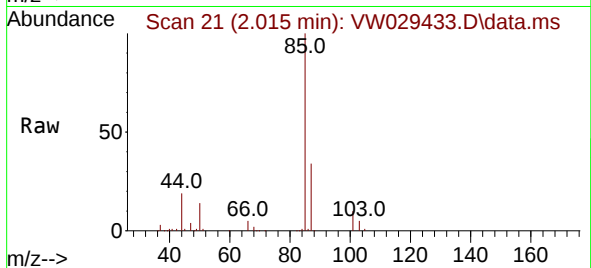




#2
 Dichlorodifluoromethane
 Concen: 16.652 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW029433.D
 Acq: 01 Jul 2024 17:40

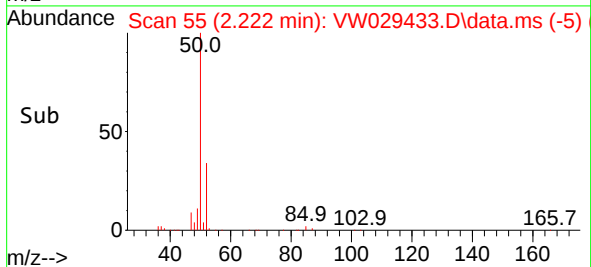
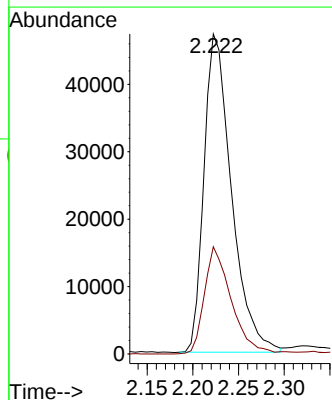
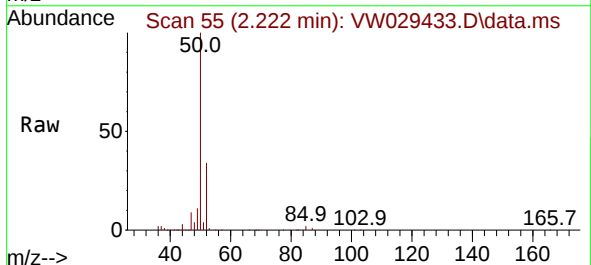
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 ClientSampleId :
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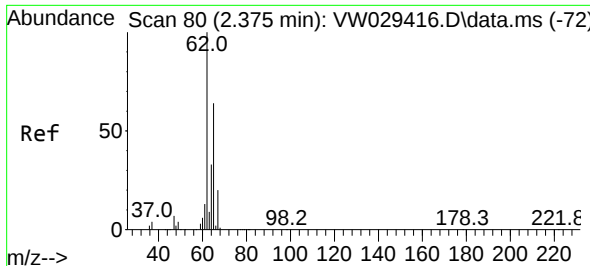
Tgt Ion: 85 Resp: 71632
 Ion Ratio Lower Upper
 85 100
 87 29.3 23.8 35.6



#3
 Chloromethane
 Concen: 16.119 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.006 min
 Lab File: VW029433.D
 Acq: 01 Jul 2024 17:40

Tgt Ion: 50 Resp: 98867
 Ion Ratio Lower Upper
 50 100
 52 33.5 22.3 41.5

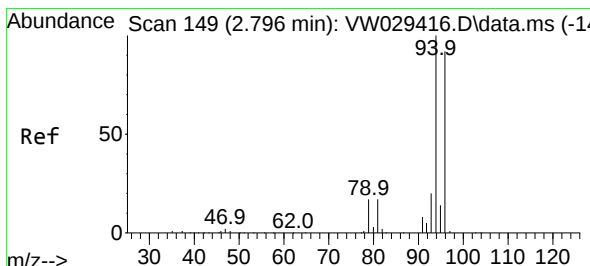
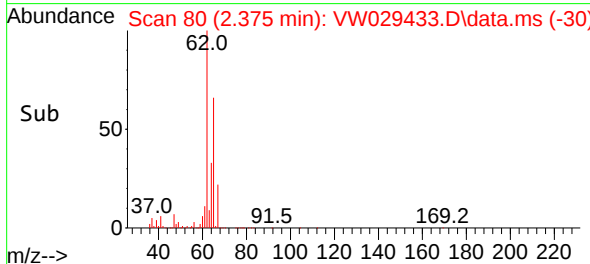
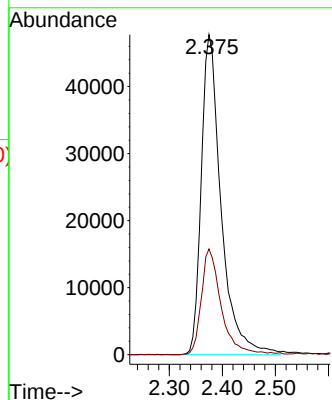
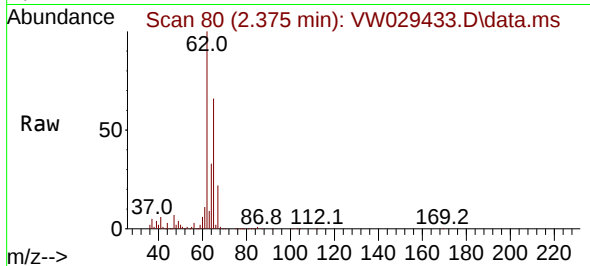




#5
 Vinyl chloride
 Concen: 17.582 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW029433.D
 Acq: 01 Jul 2024 17:40

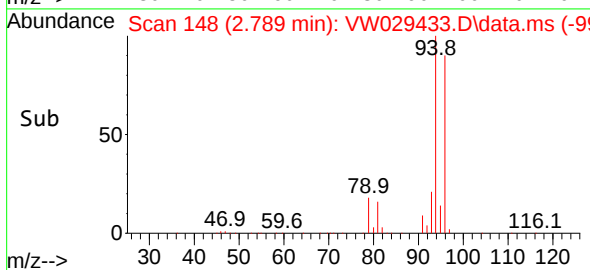
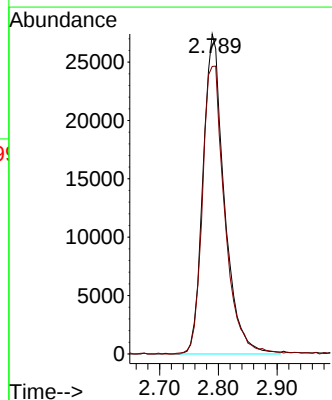
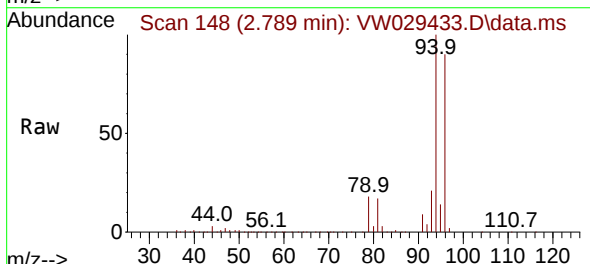
Instrument :
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 ClientSampleId :
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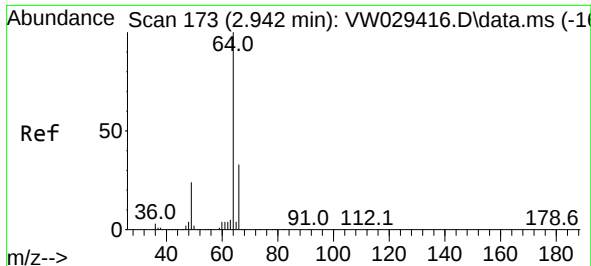
Tgt Ion: 62 Resp: 123840
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.0 40.8



#6
 Bromomethane
 Concen: 16.335 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW029433.D
 Acq: 01 Jul 2024 17:40

Tgt Ion: 94 Resp: 69155
 Ion Ratio Lower Upper
 94 100
 96 89.8 69.5 129.1

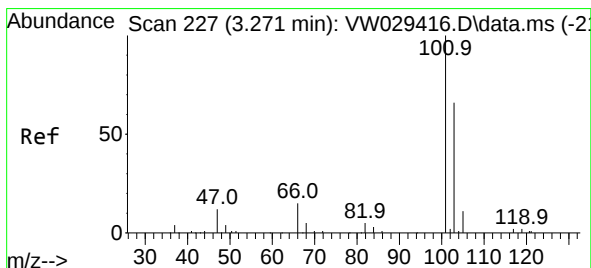
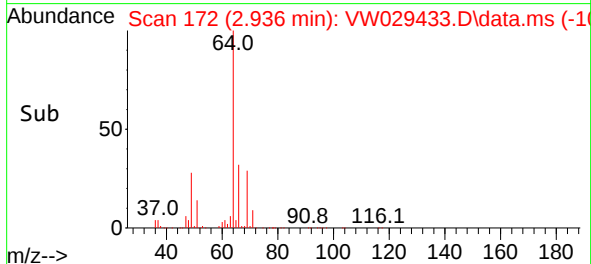
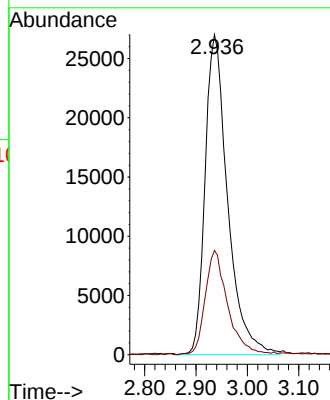
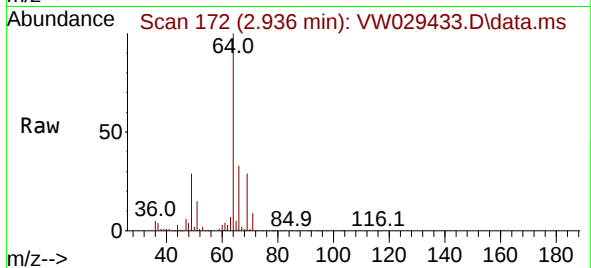




#8
Chloroethane
Concen: 19.103 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029433.D
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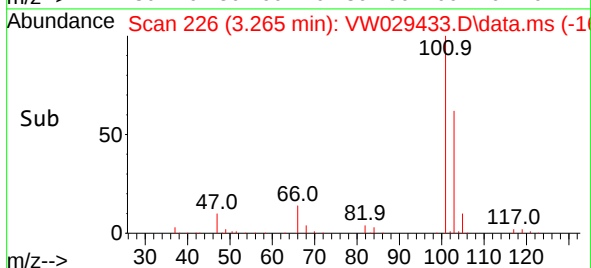
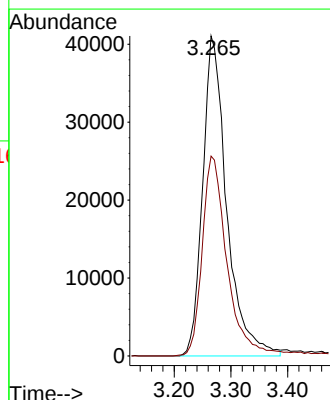
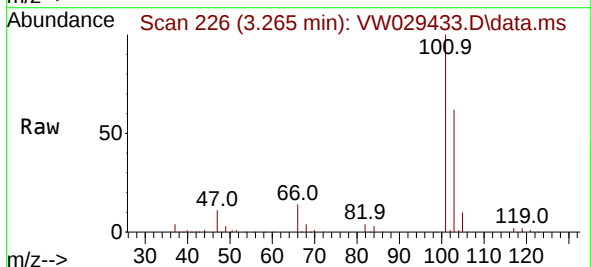
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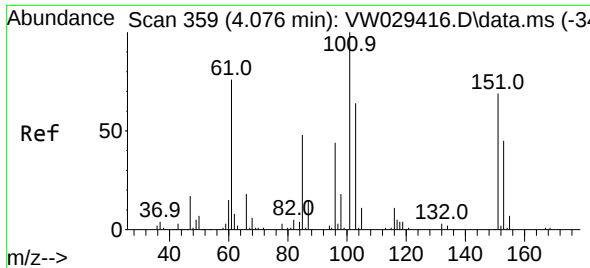
Tgt Ion: 64 Resp: 82302
Ion Ratio Lower Upper
64 100
66 32.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 22.090 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

Tgt Ion:101 Resp: 120633
Ion Ratio Lower Upper
101 100
103 63.3 50.8 76.2

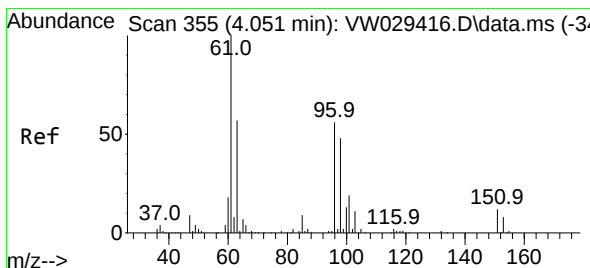
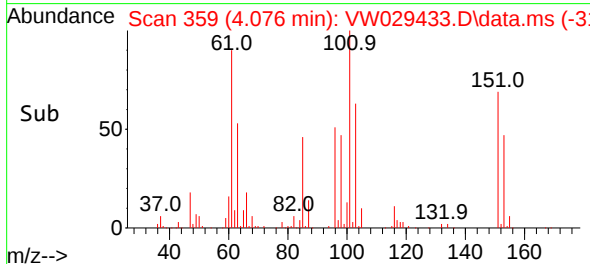
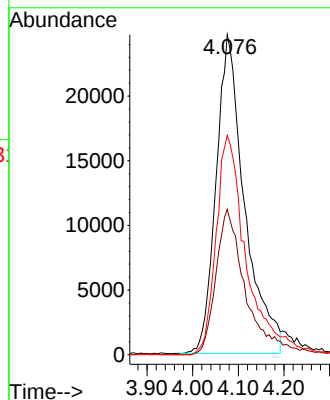
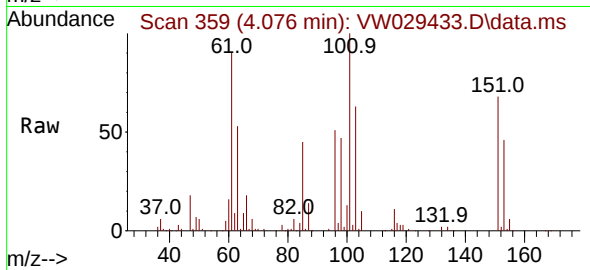




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 17.741 ug/L
 RT: 4.076 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VW029433.D
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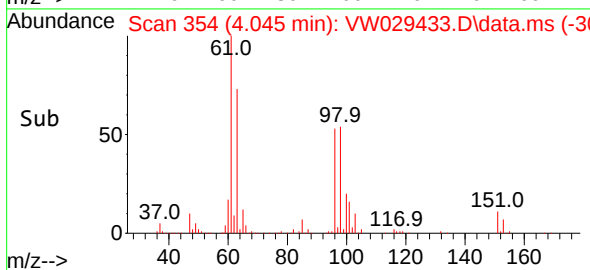
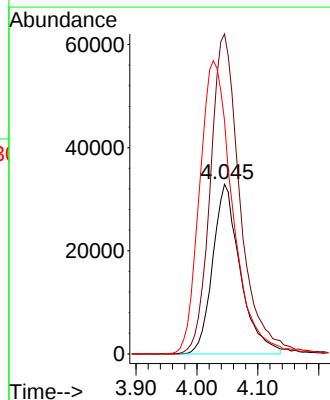
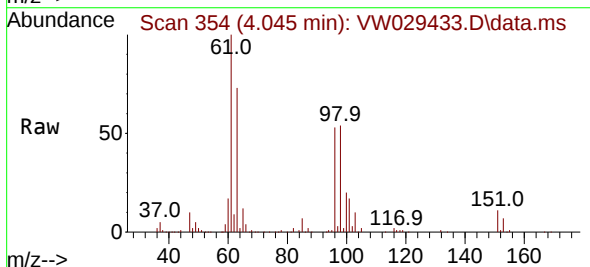
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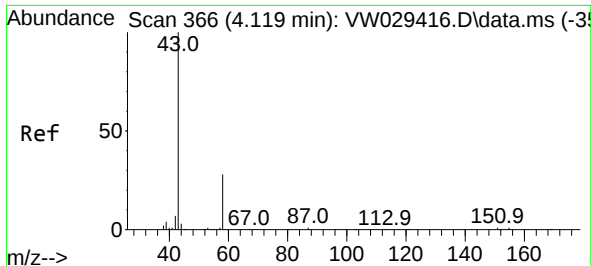
Tgt Ion:101 Resp: 106821
 Ion Ratio Lower Upper
 101 100
 85 46.1 30.2 45.2#
 151 69.9 52.2 78.4



#12
 1,1-Dichloroethene
 Concen: 20.238 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.006 min
 Lab File: VW029433.D
 Acq: 01 Jul 2024 17:40

Tgt Ion: 96 Resp: 103392
 Ion Ratio Lower Upper
 96 100
 61 188.4 140.1 260.3
 63 137.4 122.0 226.6

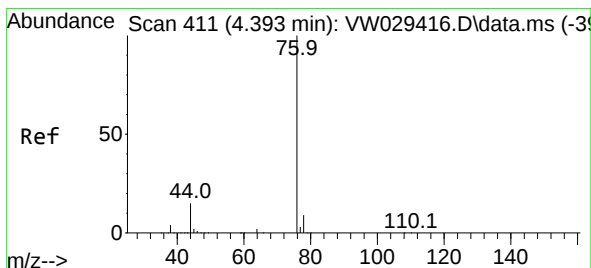
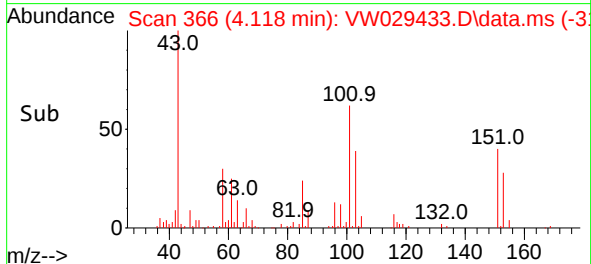
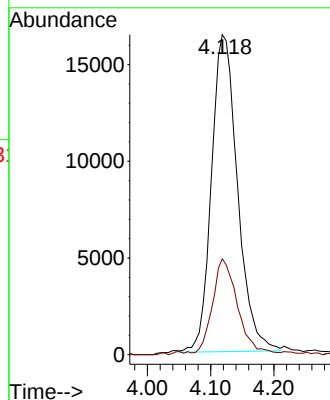
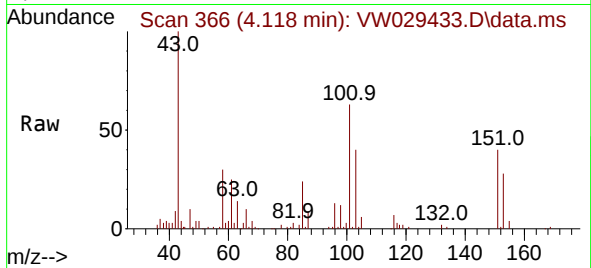




#13
Acetone
Concen: 30.246 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.006 min
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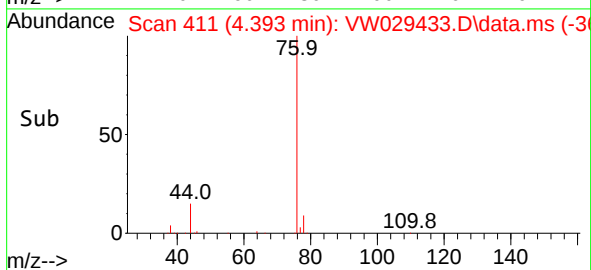
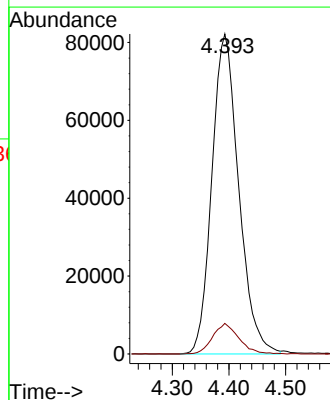
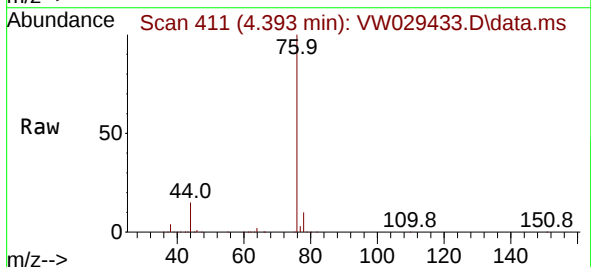
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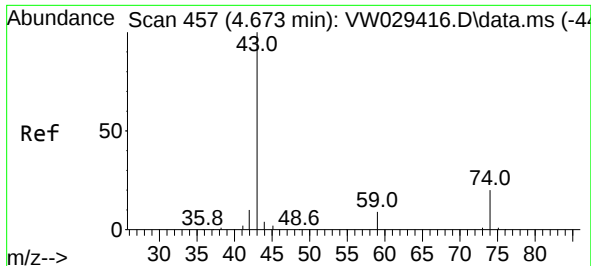
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Ion Ratio Lower Upper
43 100
58 27.2 0.0 61.4



#14
Carbon disulfide
Concen: 16.192 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
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Tgt Ion: 76 Resp: 270046
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

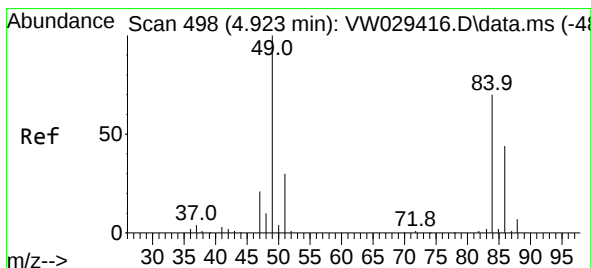
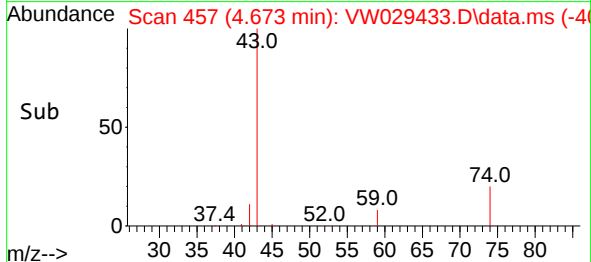
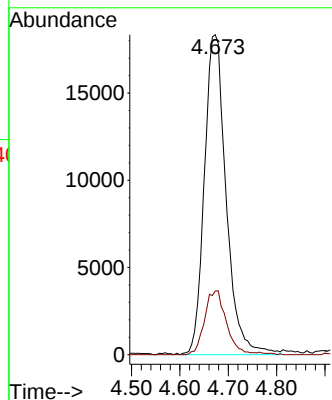
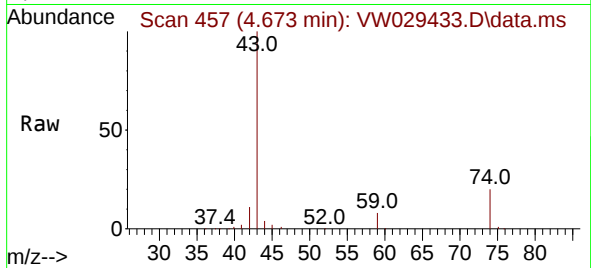




#15
Methyl Acetate
Concen: 18.666 ug/L
RT: 4.673 min Scan# 415
Delta R.T. 0.006 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

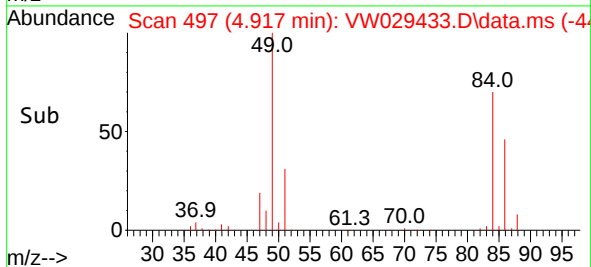
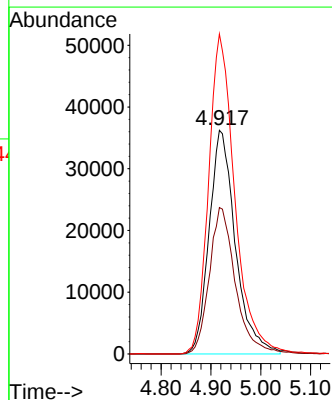
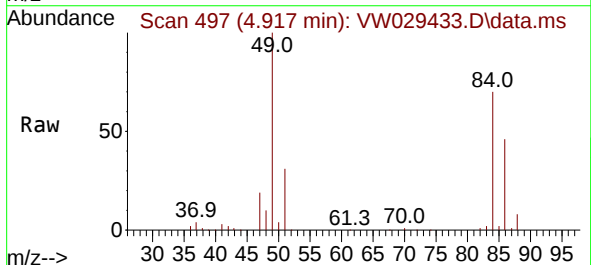
Instrument :
MSVOA_W
ClientSampleId :
A4CZ2MS

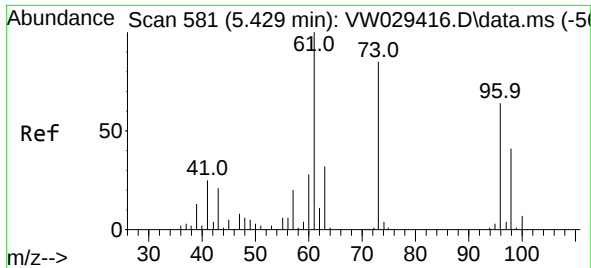
Tgt Ion: 43 Resp: 57497
Ion Ratio Lower Upper
43 100
74 19.9 16.6 25.0



#16
Methylene chloride
Concen: 17.098 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

Tgt Ion: 84 Resp: 132558
Ion Ratio Lower Upper
84 100
86 65.4 41.4 77.0
49 143.0 95.7 177.7

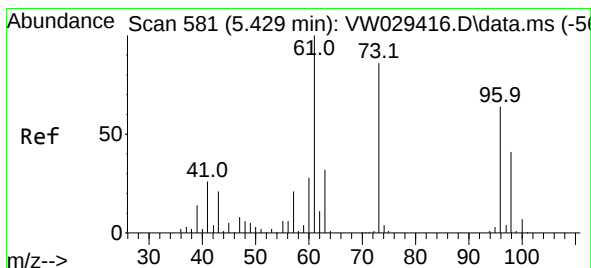
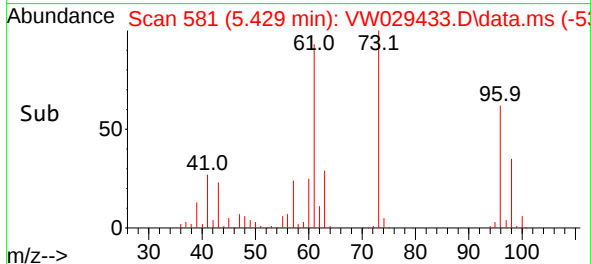
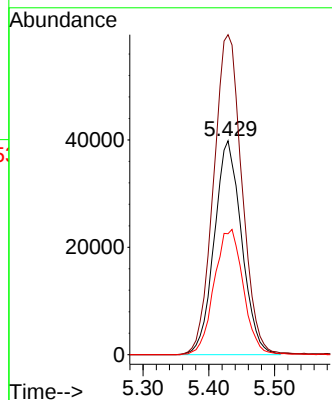
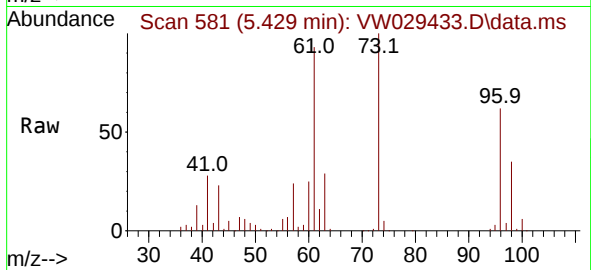




#17
trans-1,2-Dichloroethene
Concen: 20.328 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

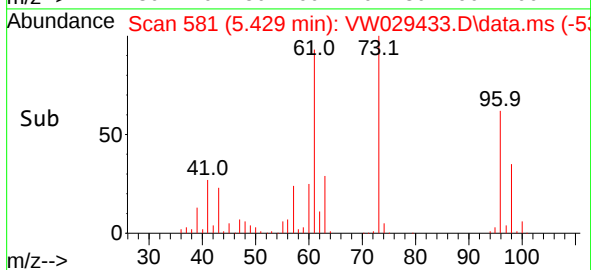
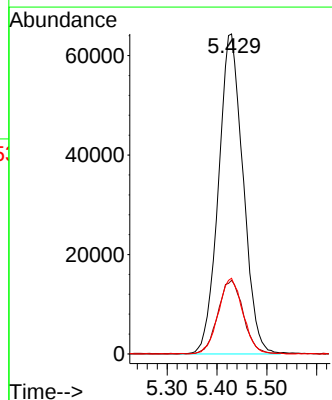
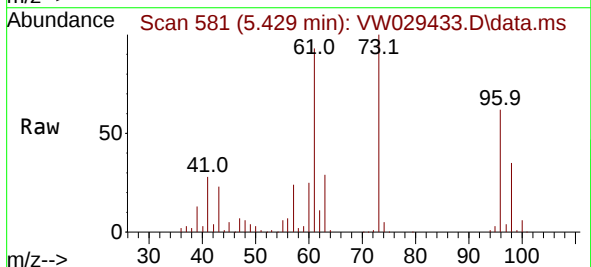
Instrument :
MSVOA_W
ClientSampleId :
A4CZ2MS

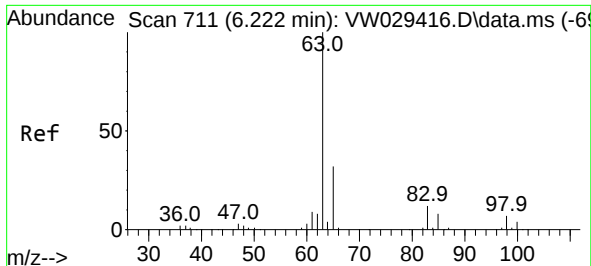
Tgt Ion: 96 Resp: 115333
Ion Ratio Lower Upper
96 100
61 149.6 101.5 188.5
98 56.6 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 24.295 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

Tgt Ion: 73 Resp: 220529
Ion Ratio Lower Upper
73 100
43 23.5 19.5 29.3
57 23.6 18.4 27.6





#19

1,1-Dichloroethane

Concen: 21.543 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

A4CZ2MS

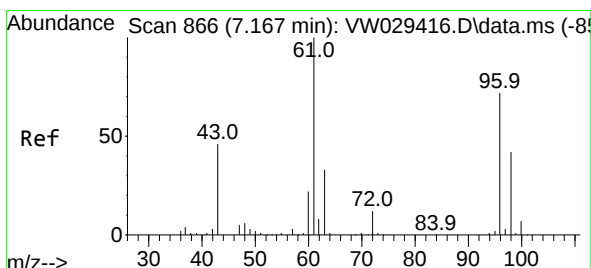
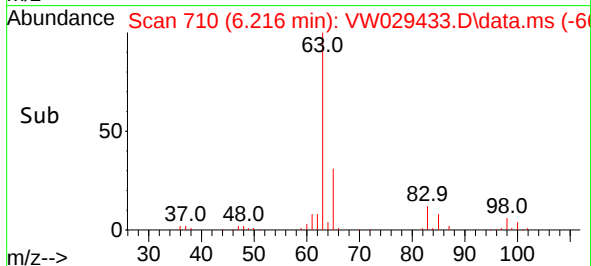
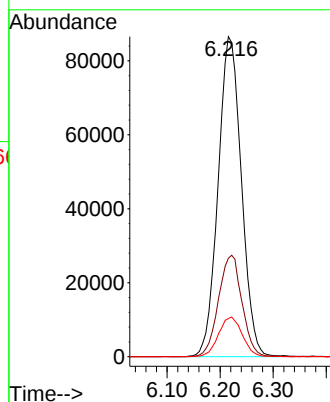
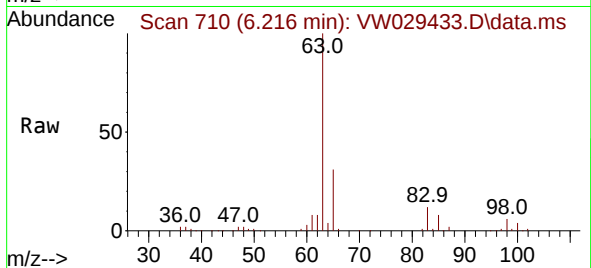
Tgt Ion: 63 Resp: 263979

Ion Ratio Lower Upper

63 100

65 30.8 23.4 43.4

83 11.9 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 21.657 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

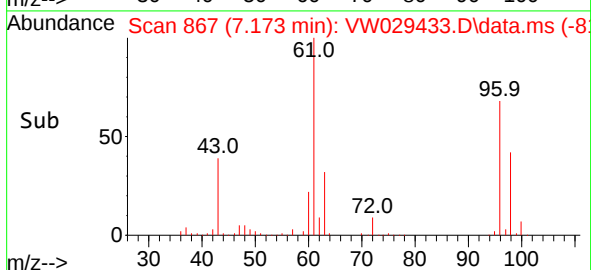
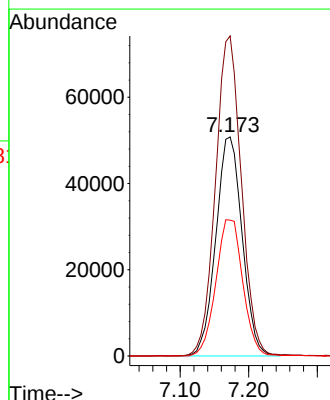
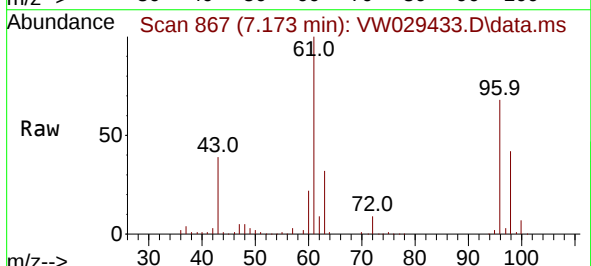
Tgt Ion: 96 Resp: 135497

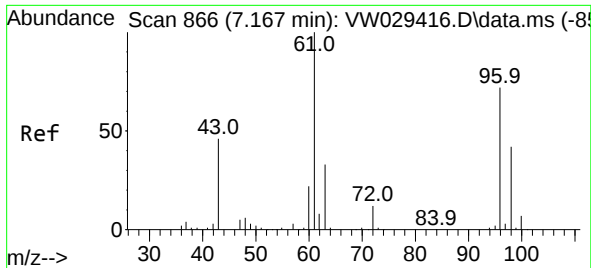
Ion Ratio Lower Upper

96 100

61 146.0 97.8 181.6

98 62.0 43.0 79.8

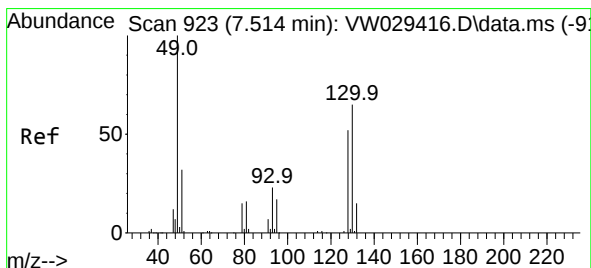
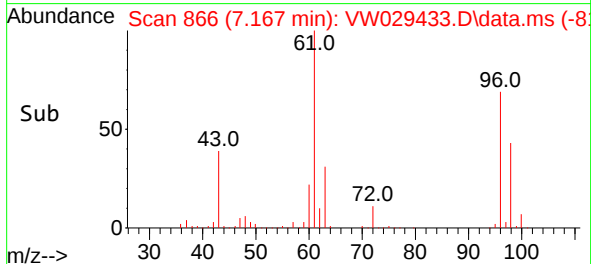
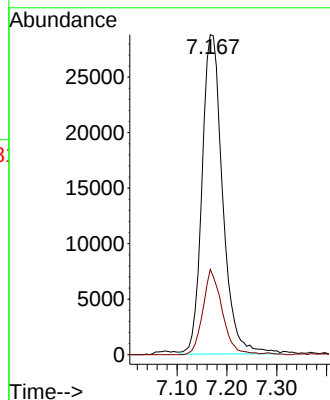
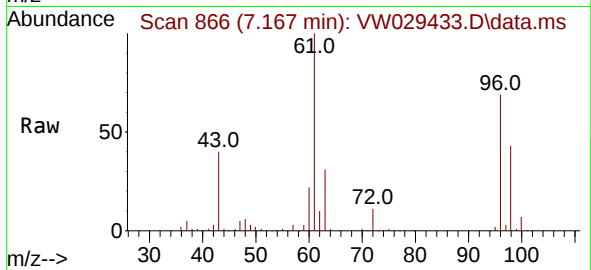




#22
2-Butanone
Concen: 38.839 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

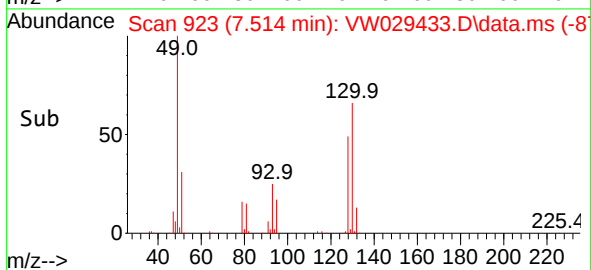
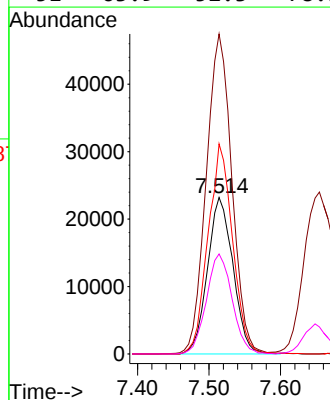
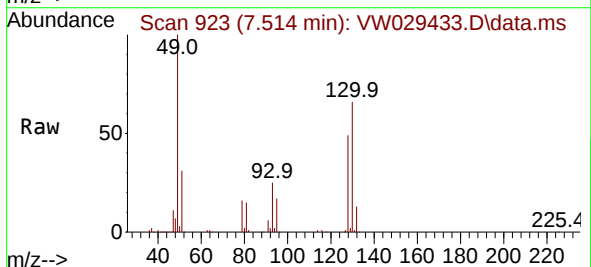
Instrument :
MSVOA_W
ClientSampleId :
A4CZ2MS

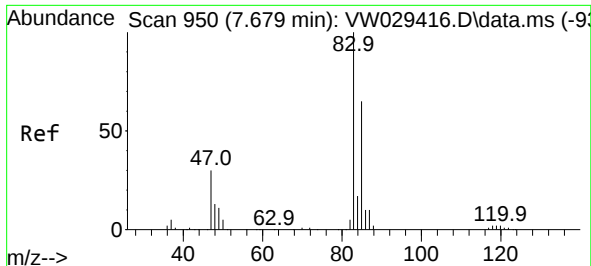
Tgt Ion: 43 Resp: 82611
Ion Ratio Lower Upper
43 100
72 24.8 11.9 35.7



#23
Bromochloromethane
Concen: 20.622 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

Tgt Ion: 128 Resp: 57437
Ion Ratio Lower Upper
128 100
49 204.4 142.6 264.8
130 134.1 79.7 148.1
51 63.9 52.3 78.5

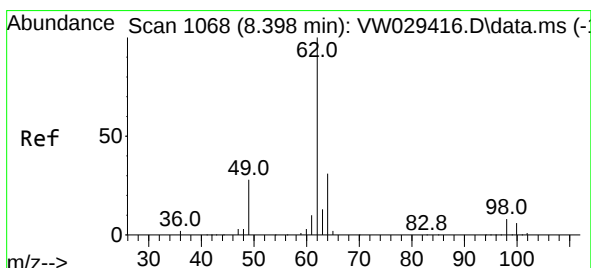
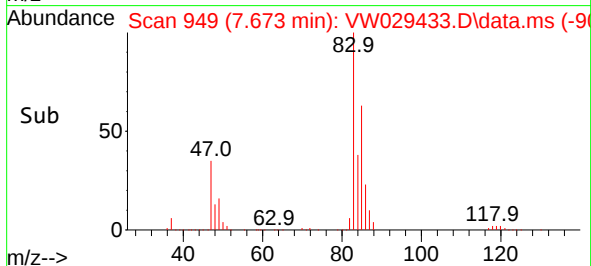
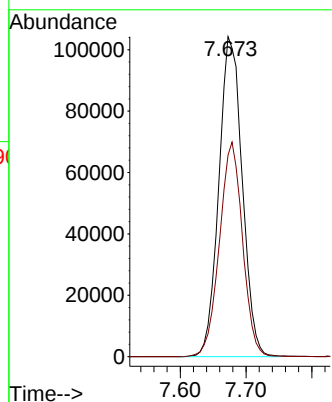
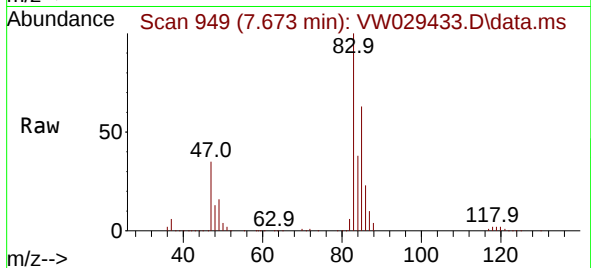




#25
Chloroform
Concen: 21.550 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

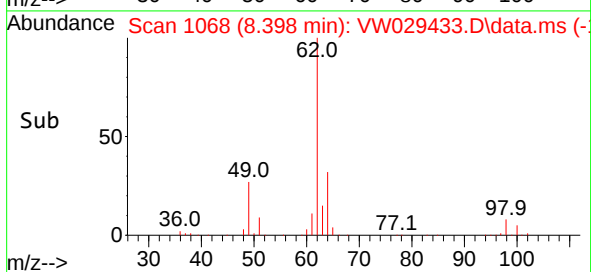
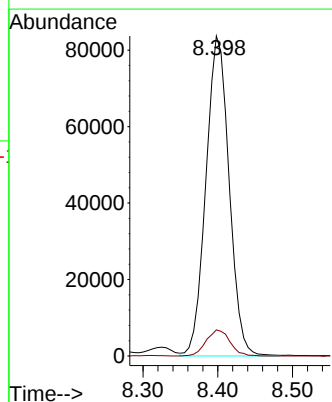
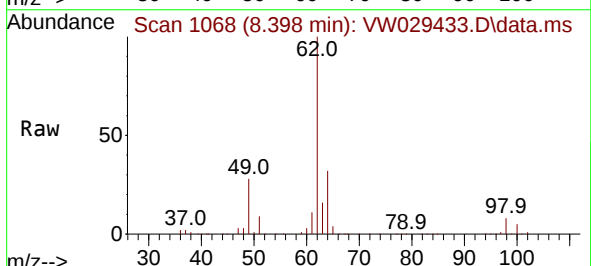
Instrument :
MSVOA_W
ClientSampleId :
A4CZ2MS

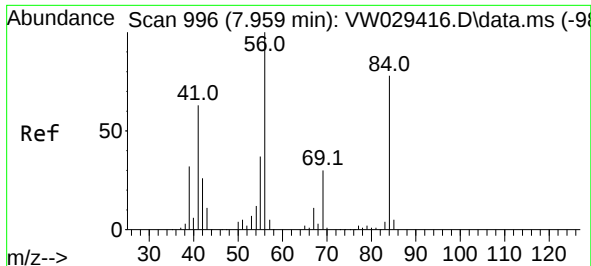
Tgt Ion: 83 Resp: 257856
Ion Ratio Lower Upper
83 100
85 63.0 44.4 82.4



#27
1,2-Dichloroethane
Concen: 20.488 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

Tgt Ion: 62 Resp: 180806
Ion Ratio Lower Upper
62 100
98 8.2 6.6 10.0





#29

Cyclohexane

Concen: 19.476 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.006 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

A4CZ2MS

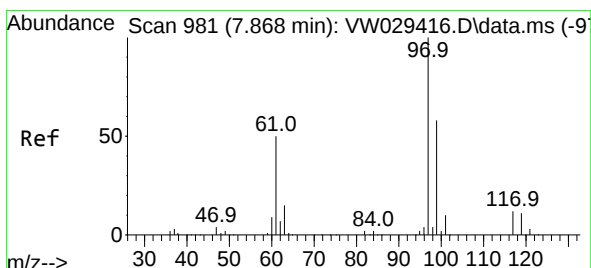
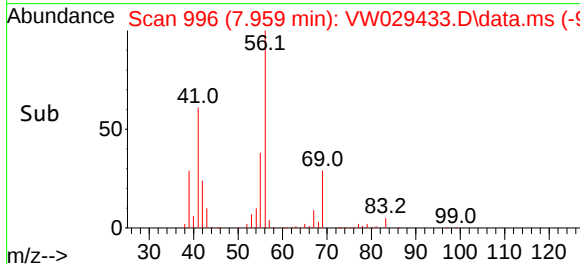
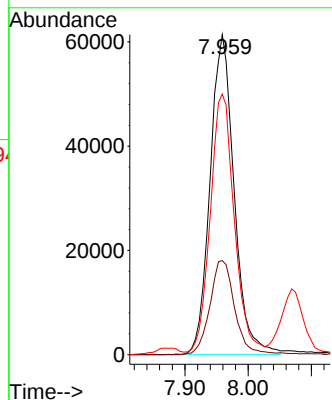
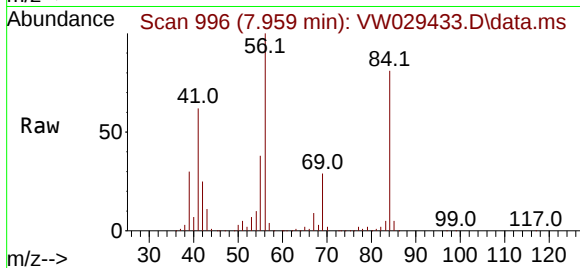
Tgt Ion: 56 Resp: 161623

Ion Ratio Lower Upper

56 100

69 30.2 23.4 35.0

84 81.6 64.5 96.7



#30

1,1,1-Trichloroethane

Concen: 24.206 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

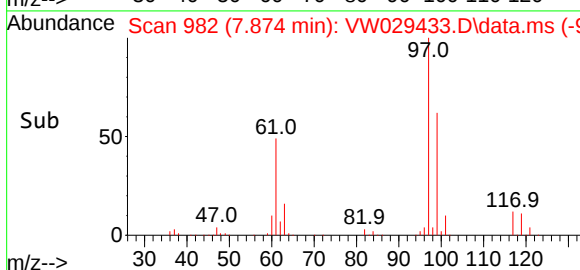
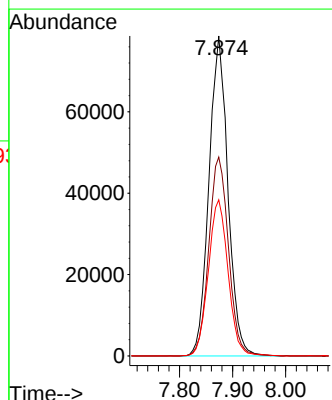
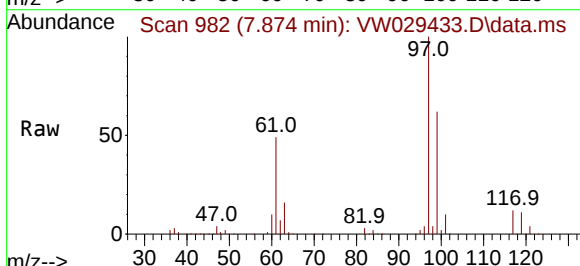
Tgt Ion: 97 Resp: 195394

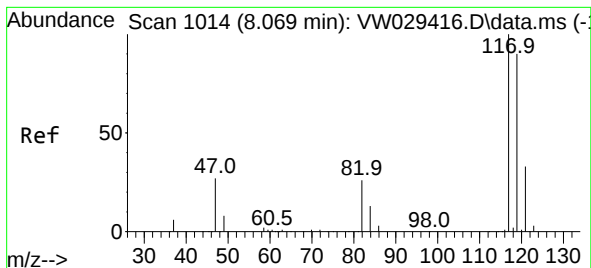
Ion Ratio Lower Upper

97 100

99 64.6 53.0 79.4

61 50.8 43.0 64.4





#31

Carbon tetrachloride

Concen: 23.018 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

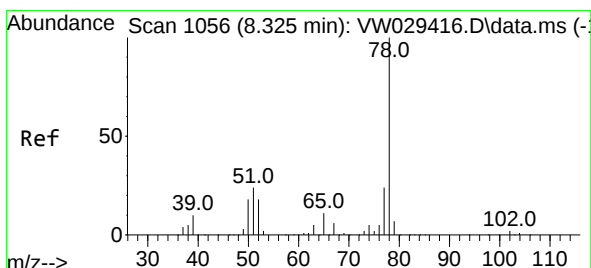
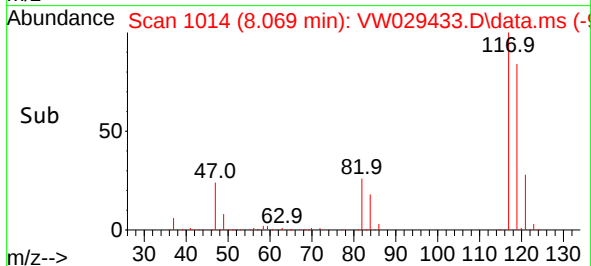
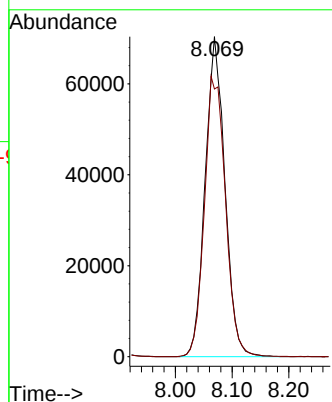
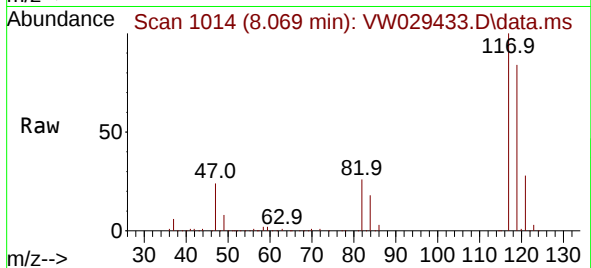
A4CZ2MS

Tgt Ion:117 Resp: 169729

Ion Ratio Lower Upper

117 100

119 93.7 79.0 118.4



#33

Benzene

Concen: 24.151 ug/L

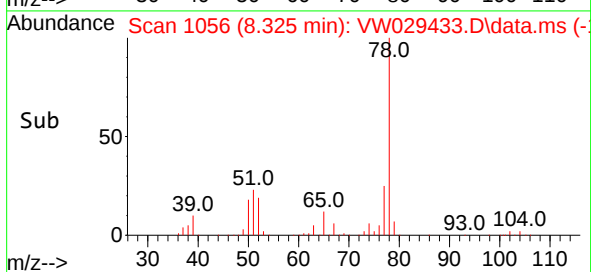
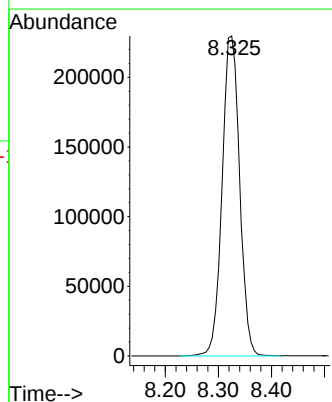
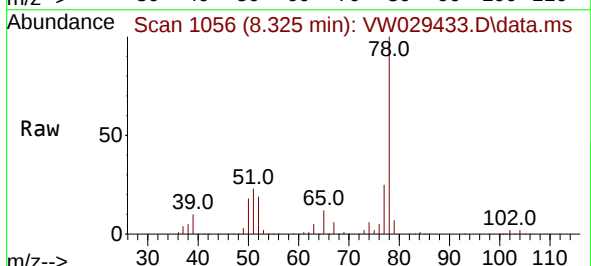
RT: 8.325 min Scan# 1056

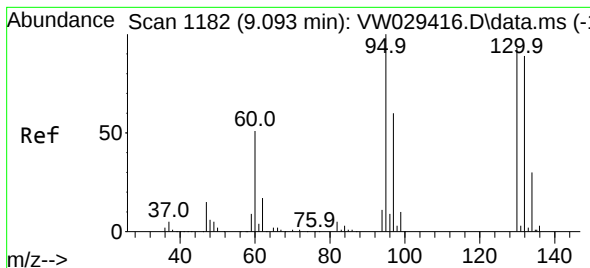
Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Tgt Ion: 78 Resp: 526768





#34

Trichloroethene

Concen: 21.833 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

A4CZ2MS

Tgt Ion: 95 Resp: 127050

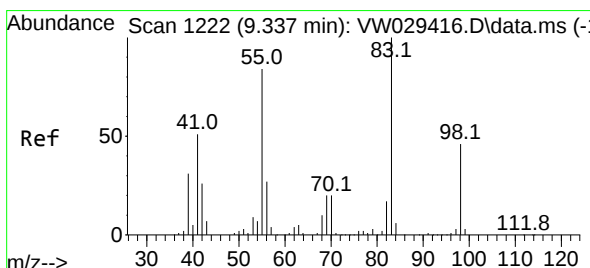
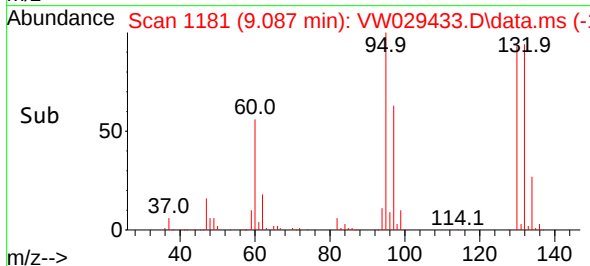
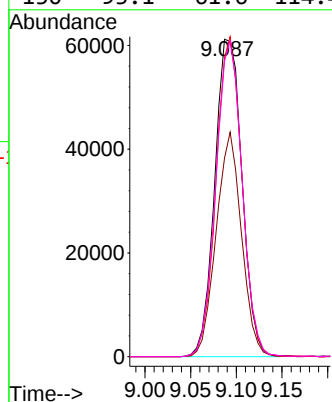
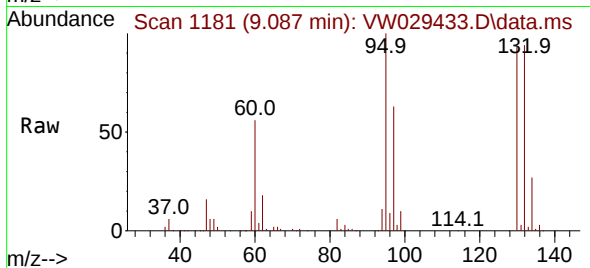
Ion Ratio Lower Upper

95 100

97 62.5 45.7 84.9

132 94.2 66.4 123.4

130 93.1 61.6 114.4



#35

Methylcyclohexane

Concen: 14.616 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

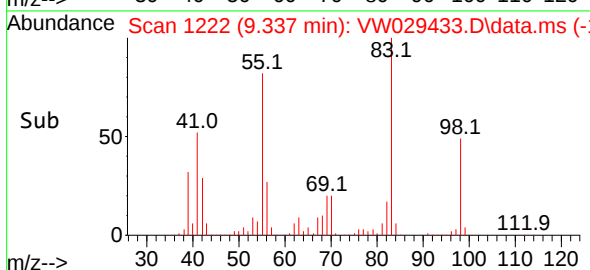
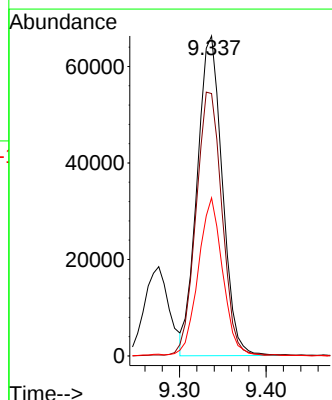
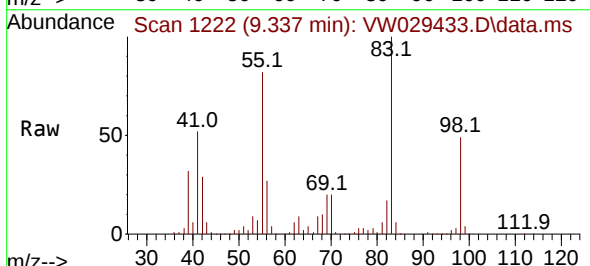
Tgt Ion: 83 Resp: 133759

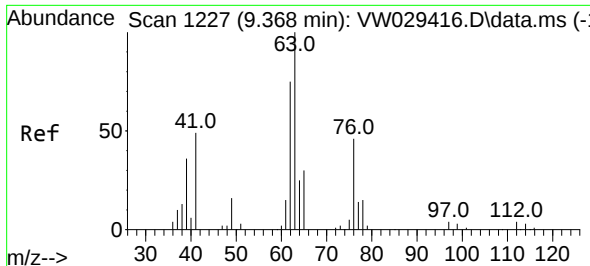
Ion Ratio Lower Upper

83 100

55 84.9 69.5 104.3

98 47.9 38.0 57.0





#37

1,2-Dichloropropane

Concen: 24.893 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

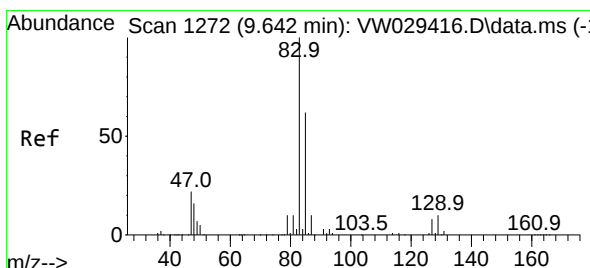
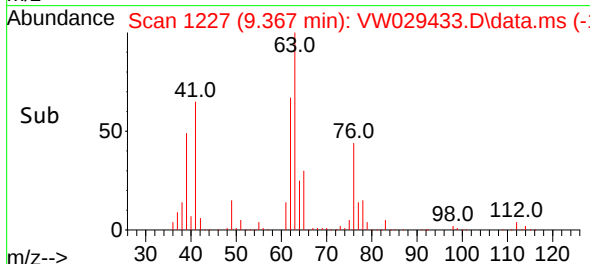
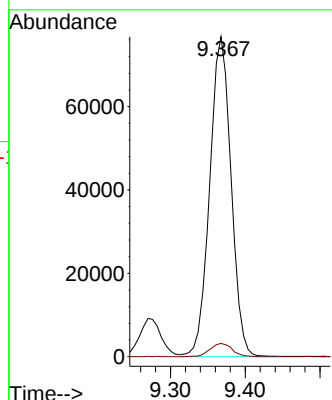
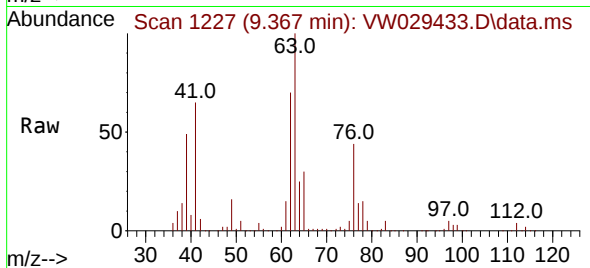
A4CZ2MS

Tgt Ion: 63 Resp: 152563

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.6



#38

Bromodichloromethane

Concen: 24.282 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

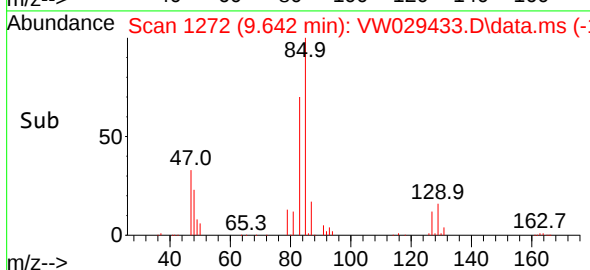
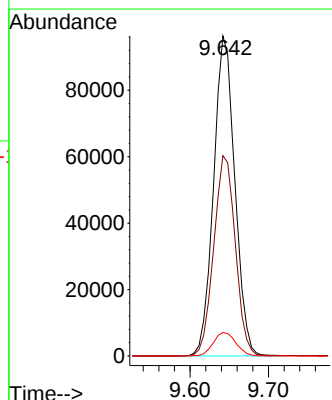
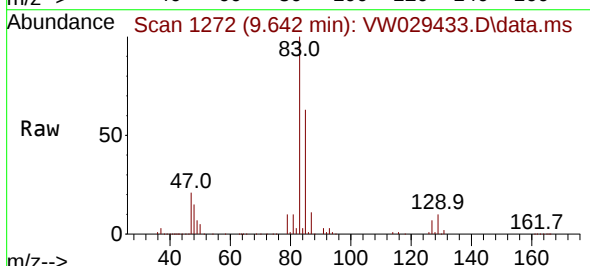
Tgt Ion: 83 Resp: 181956

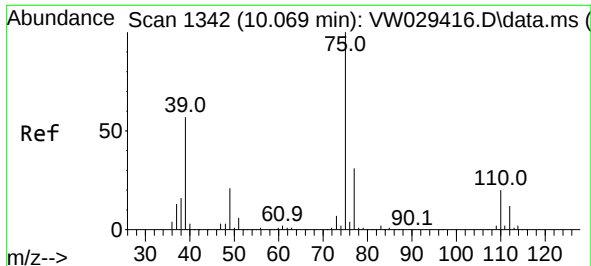
Ion Ratio Lower Upper

83 100

85 62.6 45.1 83.9

127 7.4 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 23.202 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

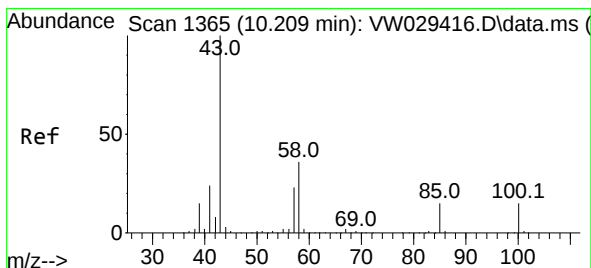
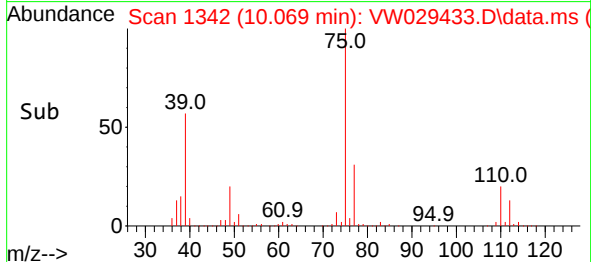
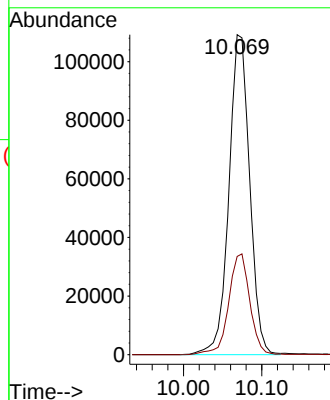
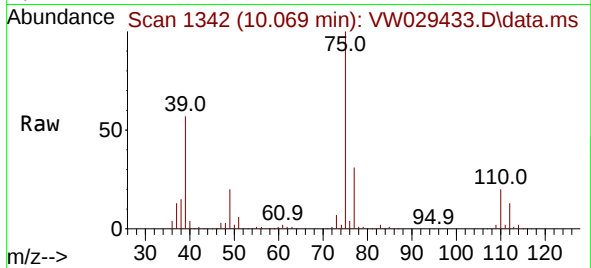
A4CZ2MS

Tgt Ion: 75 Resp: 201017

Ion Ratio Lower Upper

75 100

77 30.7 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 50.394 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

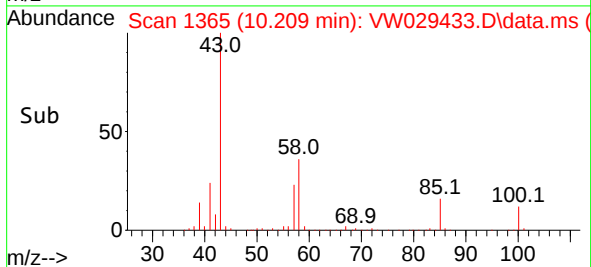
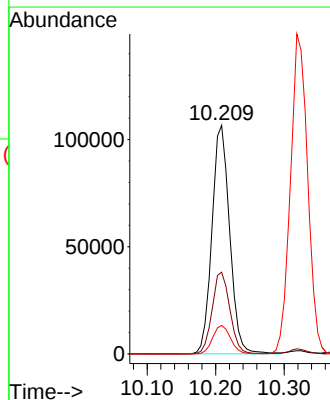
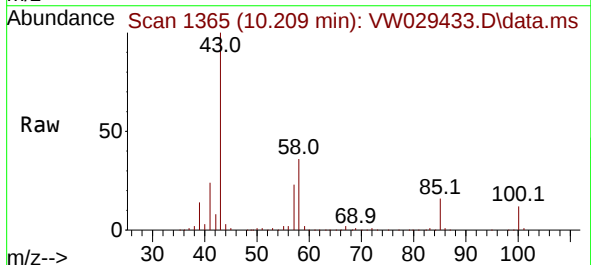
Tgt Ion: 43 Resp: 191431

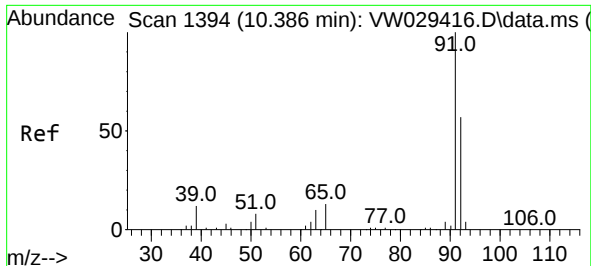
Ion Ratio Lower Upper

43 100

58 35.9 28.2 42.4

100 12.6 11.0 16.4

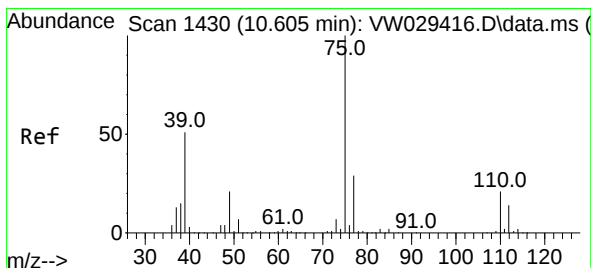
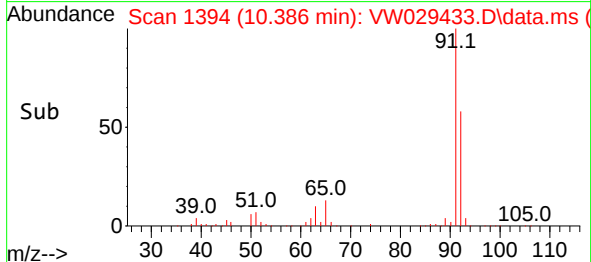
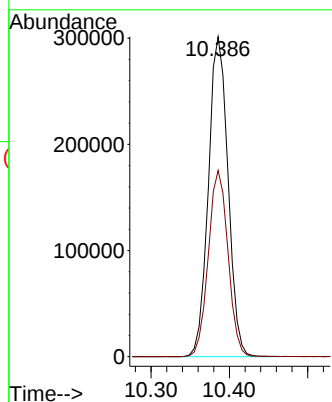
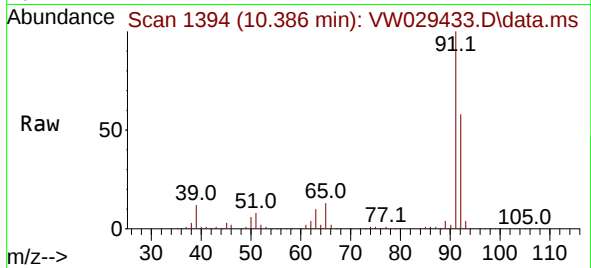




#42
Toluene
Concen: 23.373 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

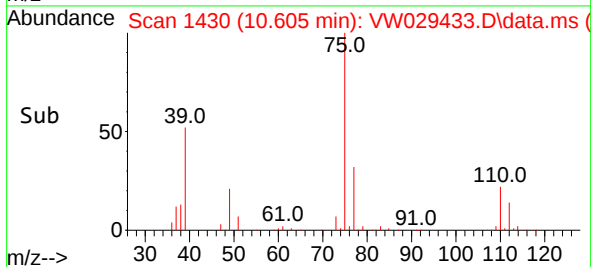
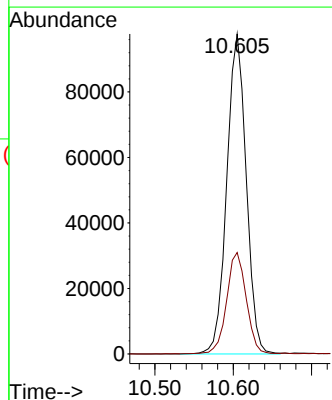
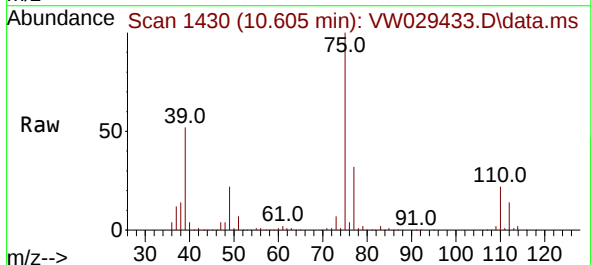
Instrument :
MSVOA_W
ClientSampleId :
A4CZ2MS

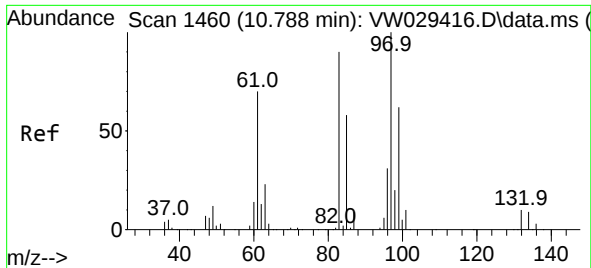
Tgt Ion: 91 Resp: 524075
Ion Ratio Lower Upper
91 100
92 58.2 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 23.020 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

Tgt Ion: 75 Resp: 168398
Ion Ratio Lower Upper
75 100
77 31.7 22.7 42.1

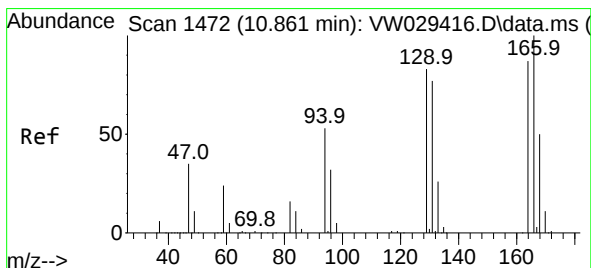
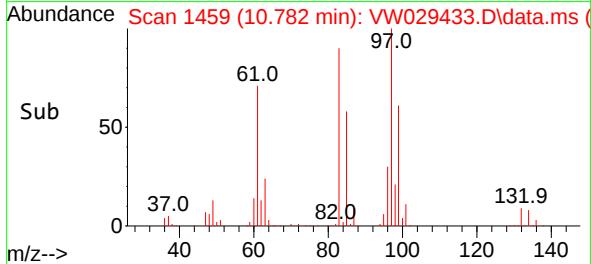
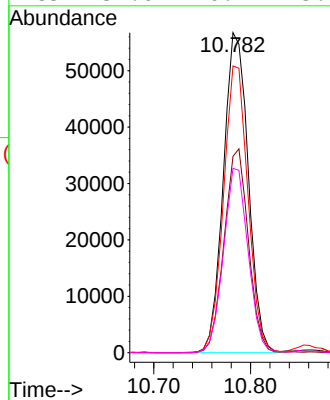
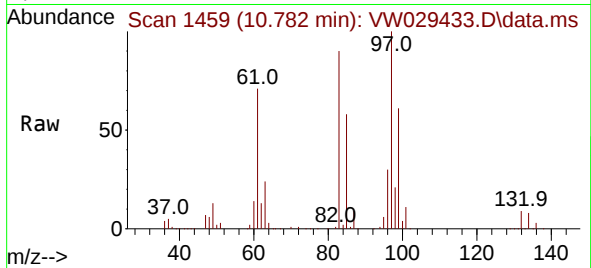




#45
1,1,2-Trichloroethane
Concen: 23.772 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

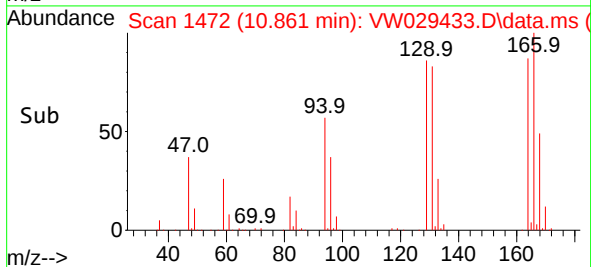
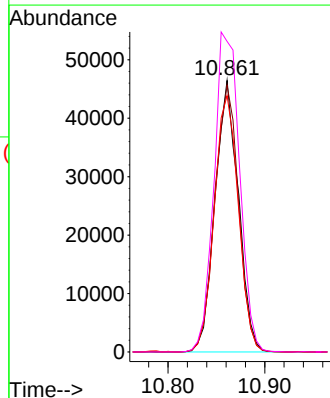
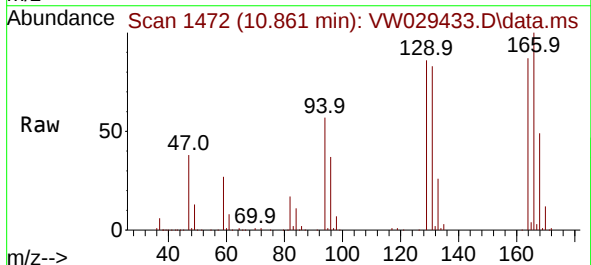
Instrument :
MSVOA_W
ClientSampleId :
A4CZ2MS

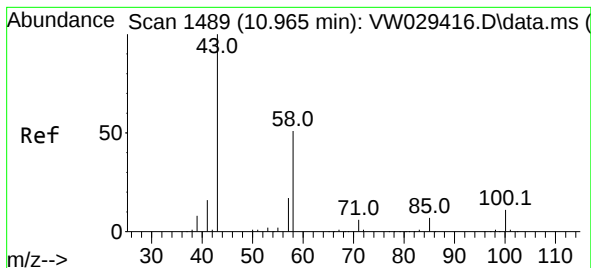
Tgt Ion: 97 Resp: 101470
Ion Ratio Lower Upper
97 100
99 61.4 42.3 78.5
83 89.6 57.7 107.1
85 57.6 40.7 75.5



#46
Tetrachloroethene
Concen: 19.162 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

Tgt Ion:164 Resp: 77948
Ion Ratio Lower Upper
164 100
129 98.2 68.5 127.3
131 94.4 71.8 133.4
166 114.4 97.2 180.4





#48

2-Hexanone

Concen: 46.069 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

A4CZ2MS

Tgt Ion: 43 Resp: 124179

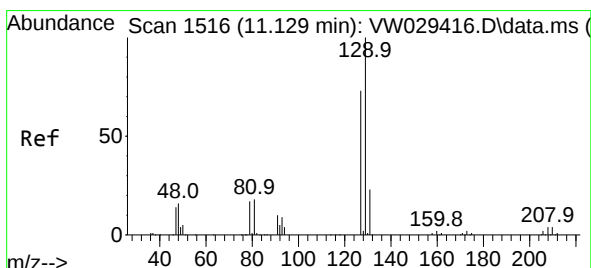
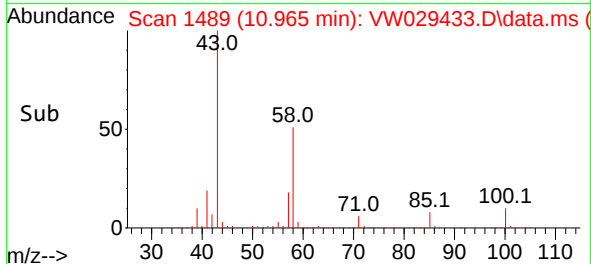
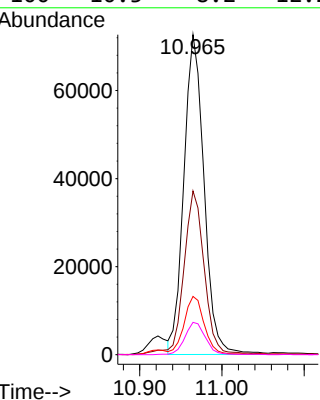
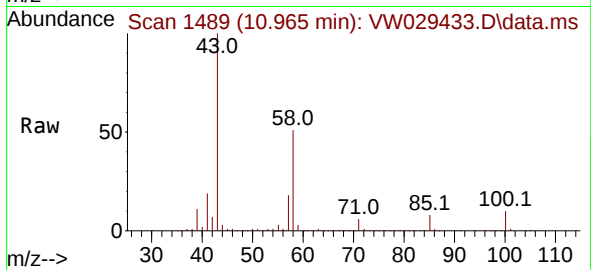
Ion Ratio Lower Upper

43 100

58 50.0 39.6 59.4

57 18.0 14.6 21.8

100 10.3 8.2 12.2



#49

Dibromochloromethane

Concen: 24.053 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW029433.D

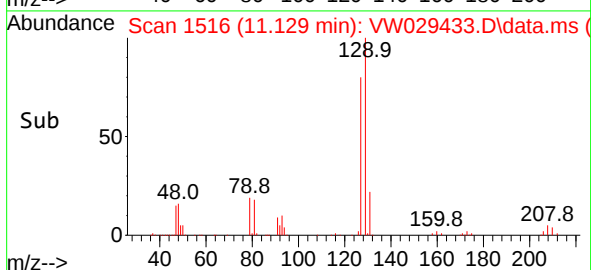
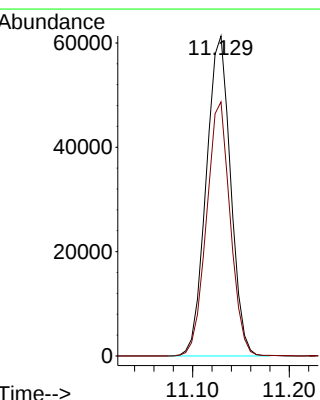
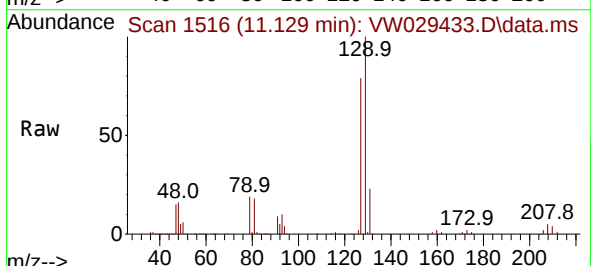
Acq: 01 Jul 2024 17:40

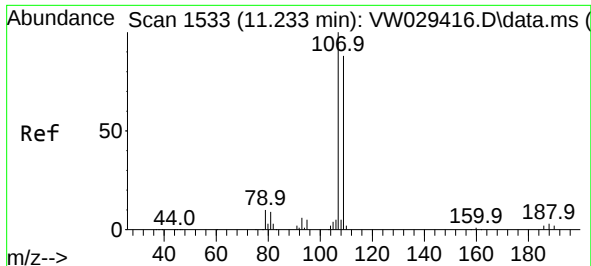
Tgt Ion:129 Resp: 107325

Ion Ratio Lower Upper

129 100

127 79.4 54.8 101.8





#50

1,2-Dibromoethane

Concen: 22.937 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

A4CZ2MS

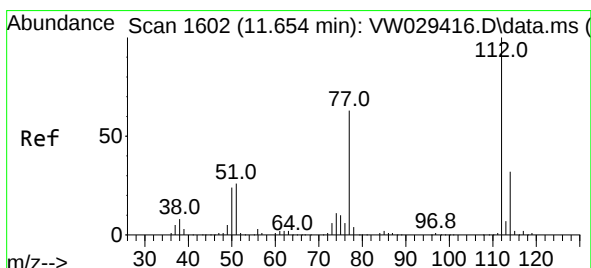
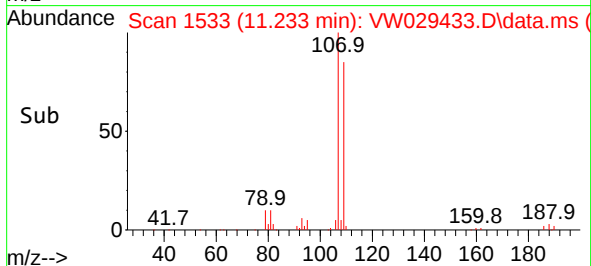
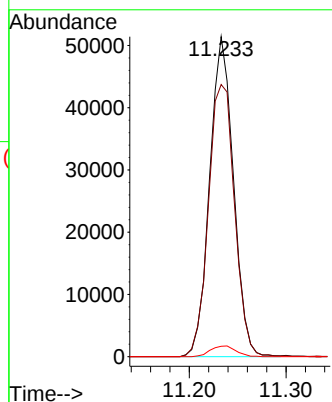
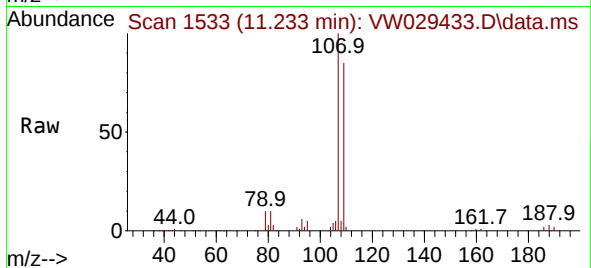
Tgt Ion:107 Resp: 87888

Ion Ratio Lower Upper

107 100

109 85.0 65.5 121.6

188 3.2 2.6 4.0



#51

Chlorobenzene

Concen: 21.319 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

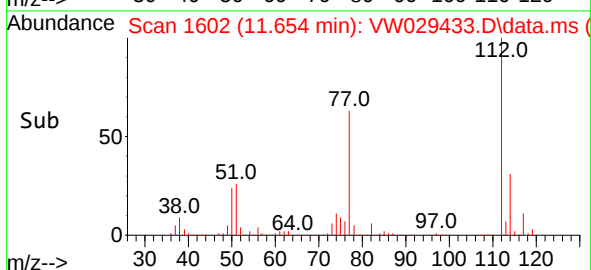
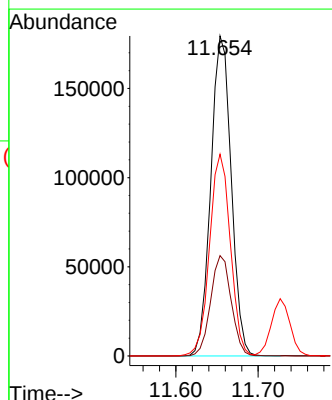
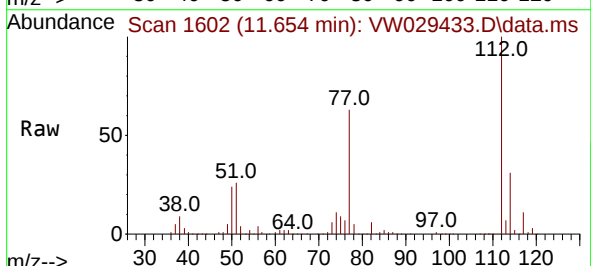
Tgt Ion:112 Resp: 310425

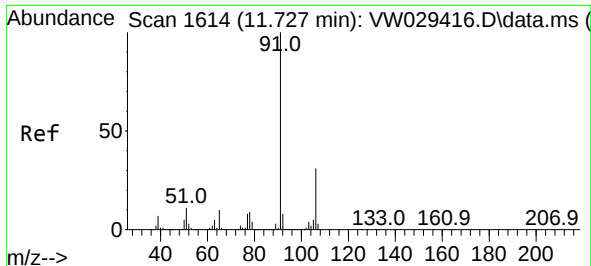
Ion Ratio Lower Upper

112 100

114 31.4 22.6 42.0

77 63.1 51.0 76.6

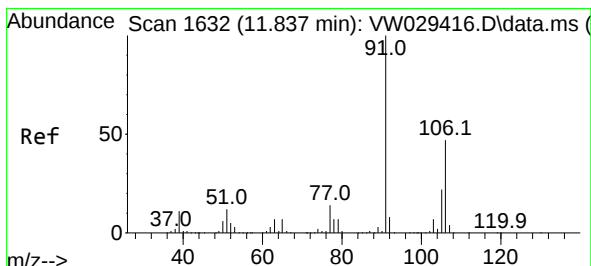
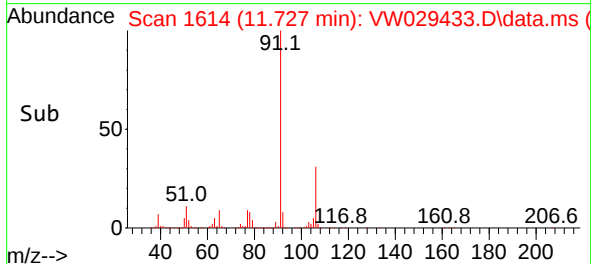
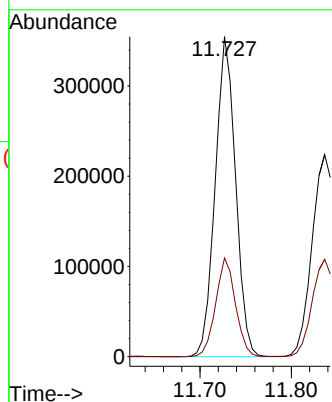
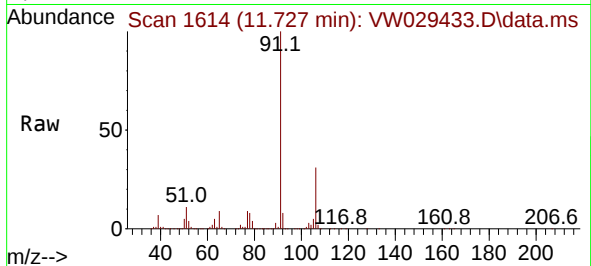




#52
Ethylbenzene
Concen: 21.572 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

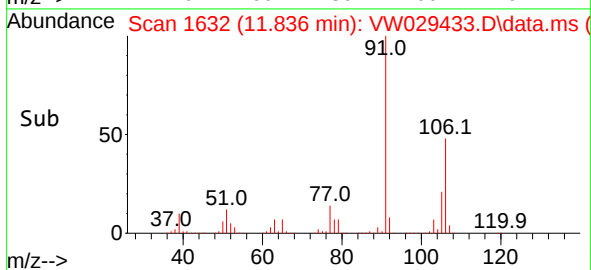
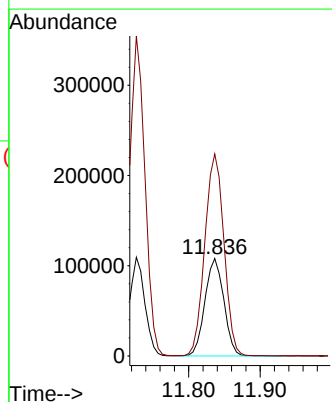
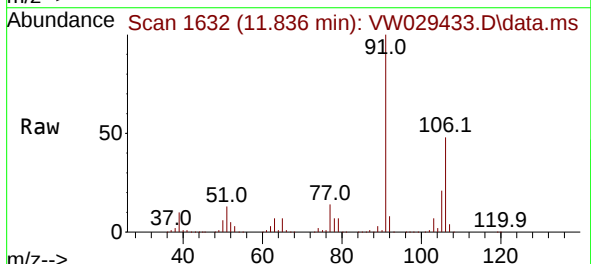
Instrument :
MSVOA_W
ClientSampleId :
A4CZ2MS

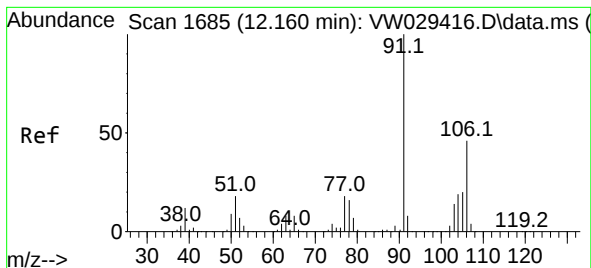
Tgt Ion: 91 Resp: 549077
Ion Ratio Lower Upper
91 100
106 30.8 19.9 37.0



#53
m,p-Xylene
Concen: 21.302 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

Tgt Ion:106 Resp: 198044
Ion Ratio Lower Upper
106 100
91 207.4 140.5 260.9





#54

o-Xylene

Concen: 22.575 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

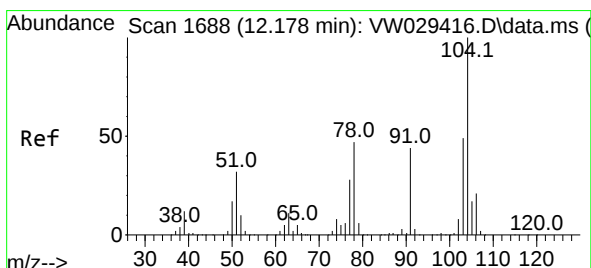
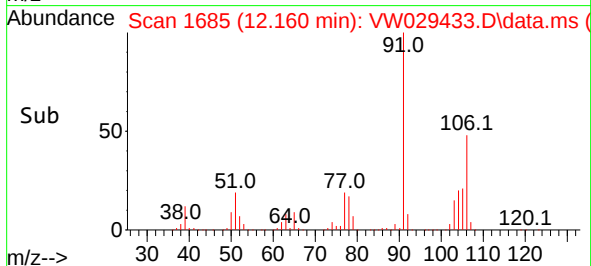
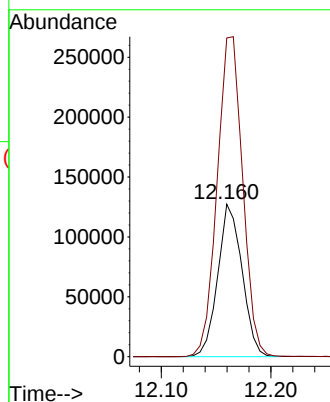
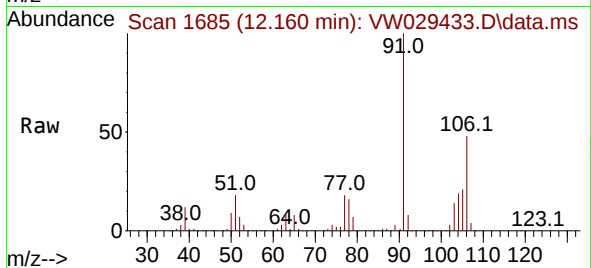
A4CZ2MS

Tgt Ion:106 Resp: 196150

Ion Ratio Lower Upper

106 100

91 209.0 149.9 278.5



#55

Styrene

Concen: 21.501 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW029433.D

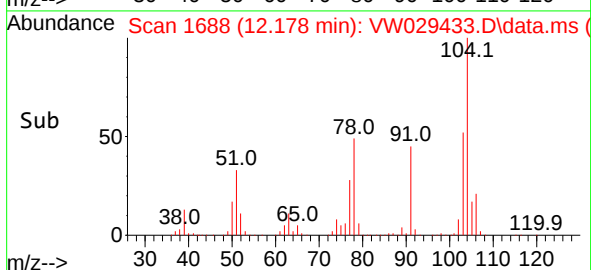
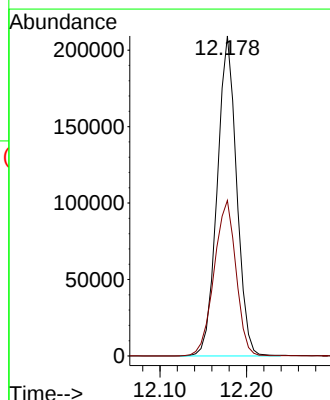
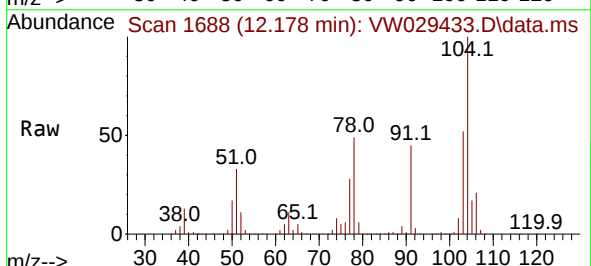
Acq: 01 Jul 2024 17:40

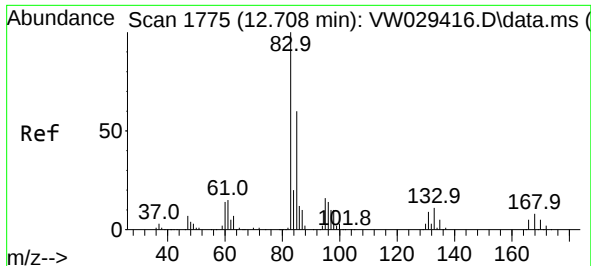
Tgt Ion:104 Resp: 325740

Ion Ratio Lower Upper

104 100

78 48.6 35.4 65.7





#57

1,1,2-Tetrachloroethane

Concen: 22.578 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

A4CZ2MS

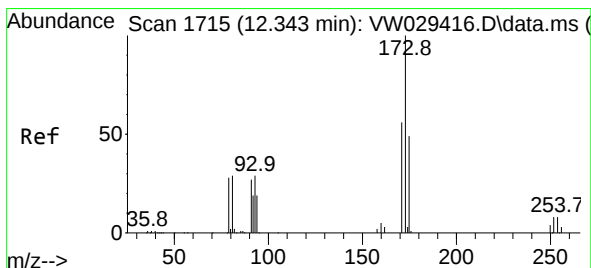
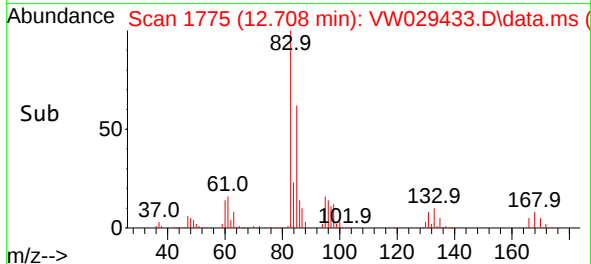
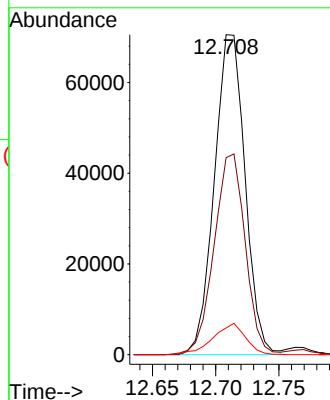
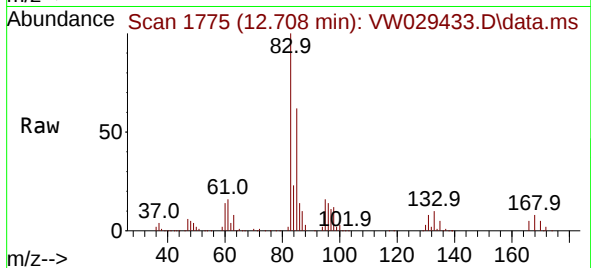
Tgt Ion: 83 Resp: 119211

Ion Ratio Lower Upper

83 100

85 61.6 45.8 85.0

131 8.4 7.8 11.6



#59

Bromoform

Concen: 31.900 ug/L

RT: 12.342 min Scan# 1715

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

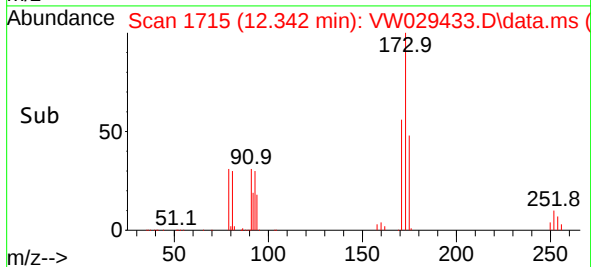
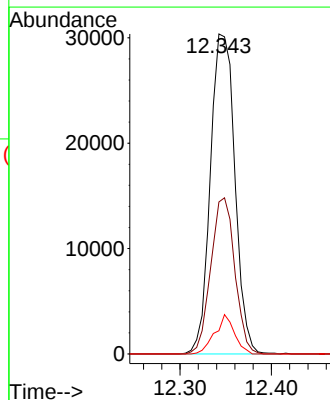
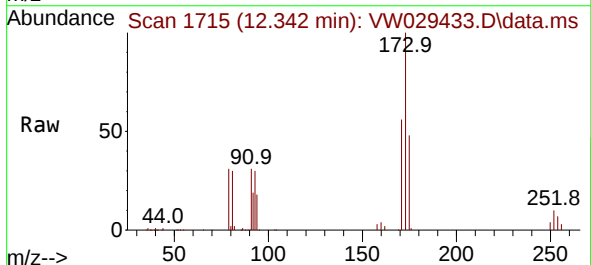
Tgt Ion:173 Resp: 56599

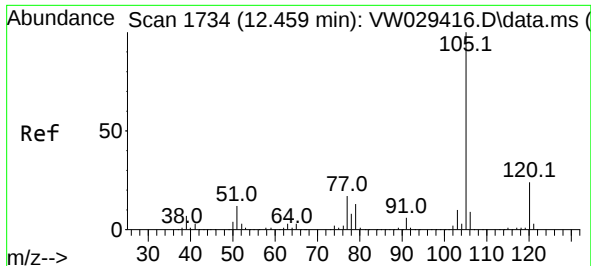
Ion Ratio Lower Upper

173 100

175 47.8 37.8 56.8

254 9.8 7.8 11.6

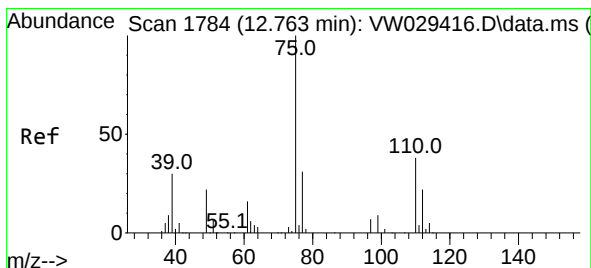
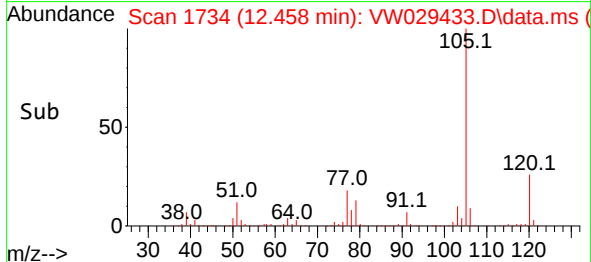
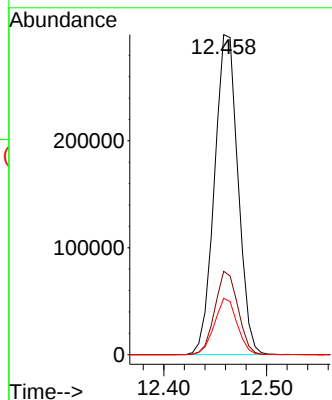
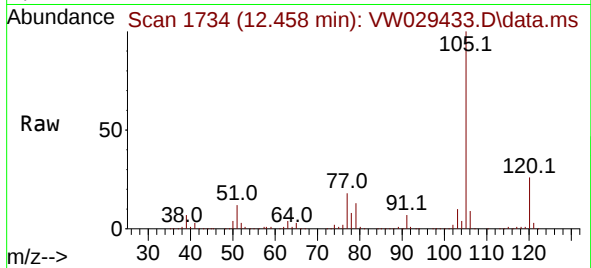




#60
Isopropylbenzene
Concen: 27.552 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

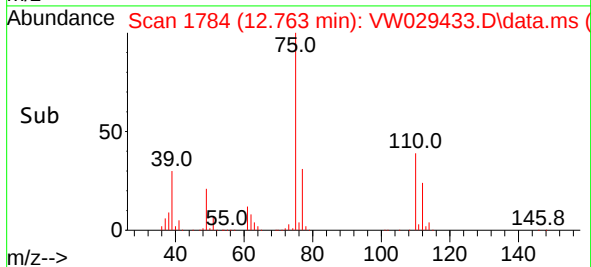
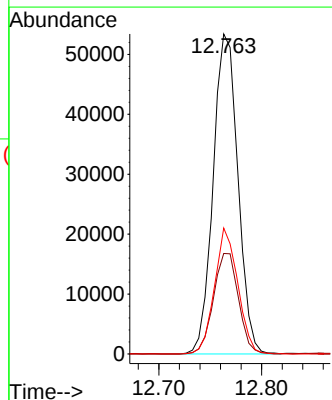
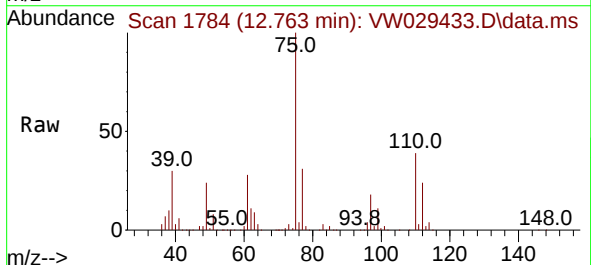
Instrument :
MSVOA_W
ClientSampleId :
A4CZ2MS

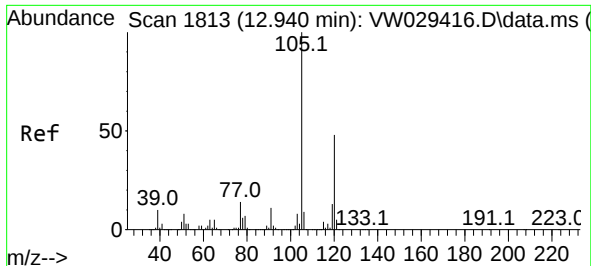
Tgt Ion:105 Resp: 475250
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 17.1 13.6 20.4



#61
1,2,3-Trichloropropane
Concen: 31.641 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

Tgt Ion: 75 Resp: 89341
Ion Ratio Lower Upper
75 100
77 31.8 26.6 39.8
110 36.9 29.5 44.3

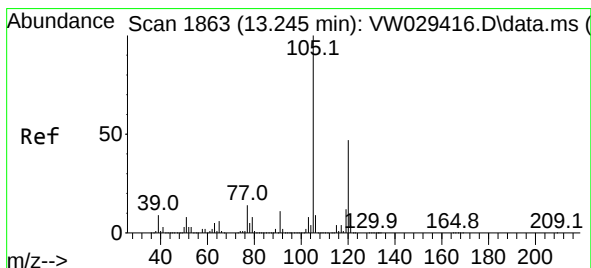
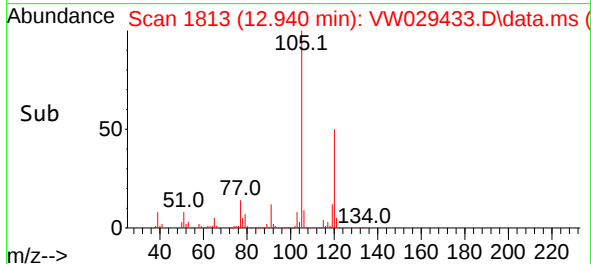
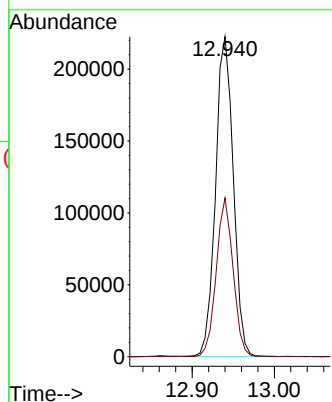
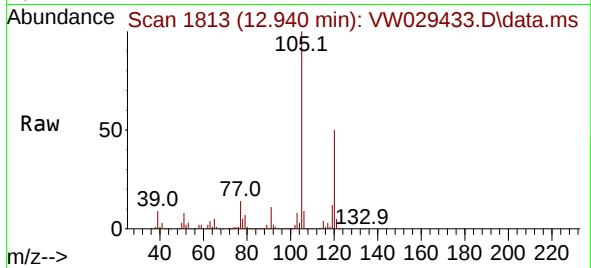




#62
1,3,5-Trimethylbenzene
Concen: 26.769 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

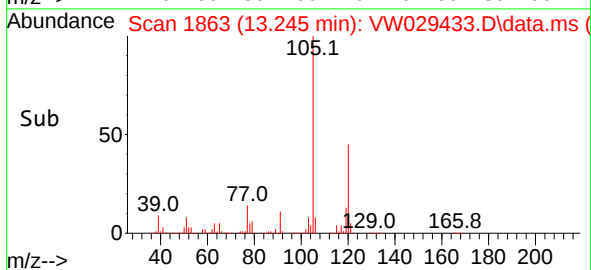
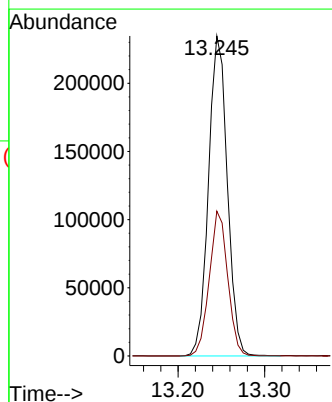
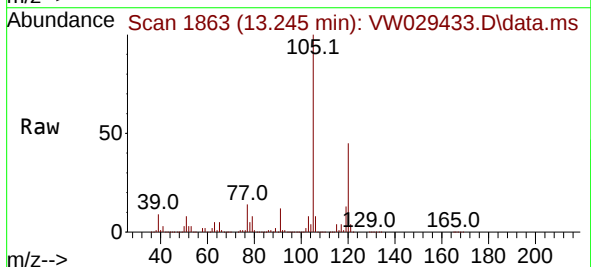
Instrument :
MSVOA_W
ClientSampleId :
A4CZ2MS

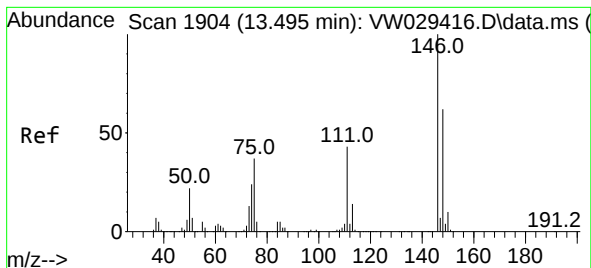
Tgt Ion:105 Resp: 334408
Ion Ratio Lower Upper
105 100
120 46.9 36.4 54.6



#63
1,2,4-Trimethylbenzene
Concen: 26.306 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW029433.D
Acq: 01 Jul 2024 17:40

Tgt Ion:105 Resp: 353583
Ion Ratio Lower Upper
105 100
120 44.3 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 23.028 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

A4CZ2MS

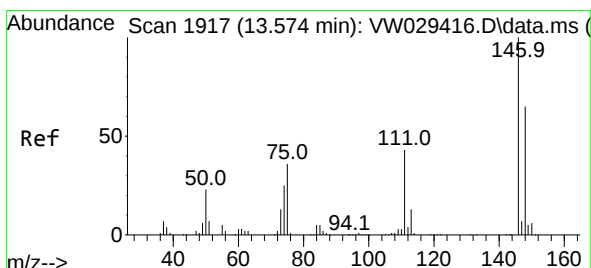
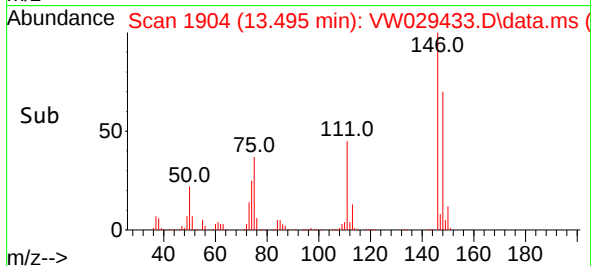
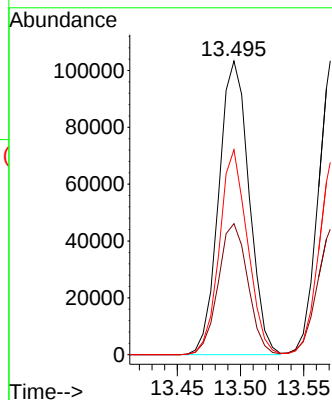
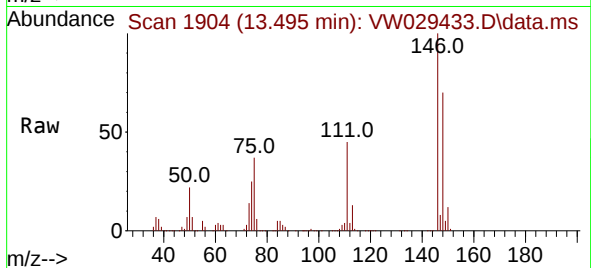
Tgt Ion:146 Resp: 171896

Ion Ratio Lower Upper

146 100

111 44.6 33.0 61.2

148 69.8 47.5 88.1



#65

1,4-Dichlorobenzene

Concen: 23.183 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

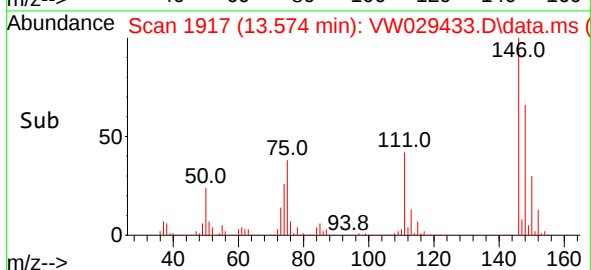
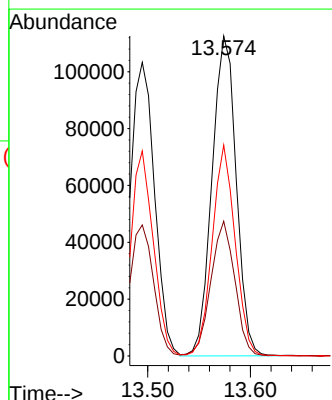
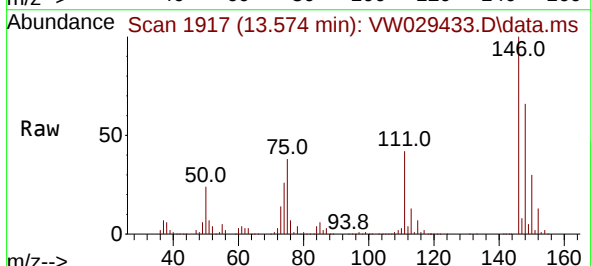
Tgt Ion:146 Resp: 184123

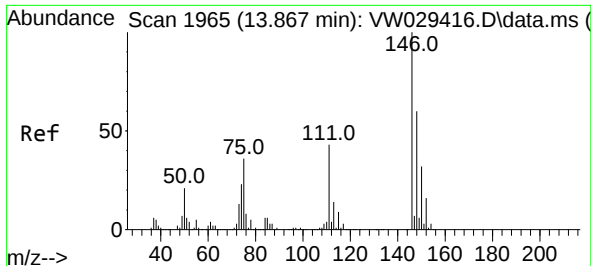
Ion Ratio Lower Upper

146 100

111 42.1 28.9 53.7

148 65.9 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 23.729 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

A4CZ2MS

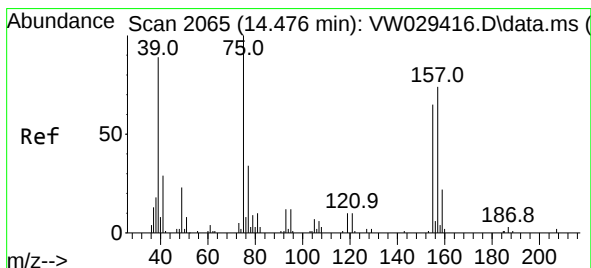
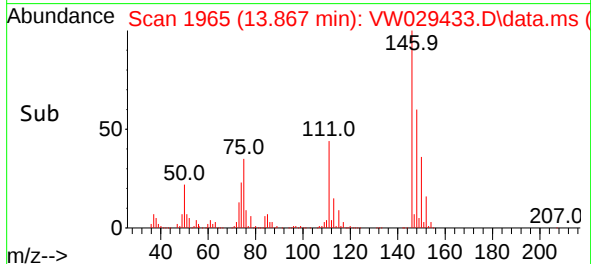
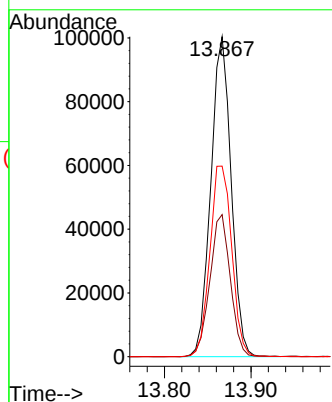
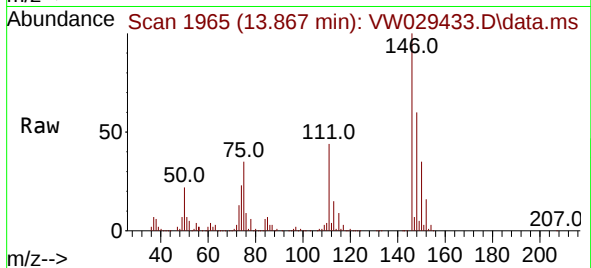
Tgt Ion:146 Resp: 163754

Ion Ratio Lower Upper

146 100

111 44.4 34.2 51.4

148 59.6 46.3 69.5



#68

1,2-Dibromo-3-chloropropane

Concen: 27.885 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

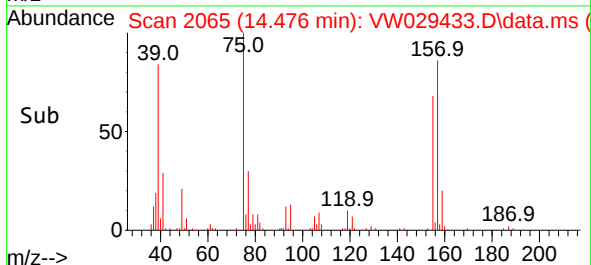
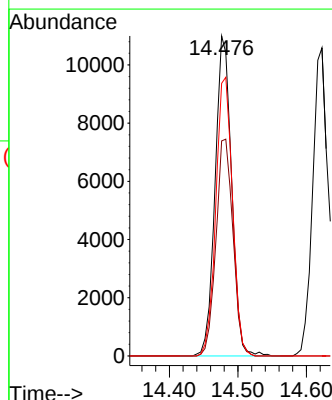
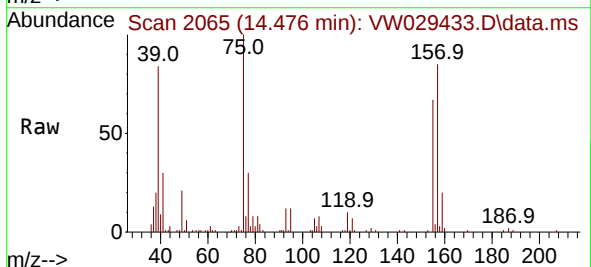
Tgt Ion: 75 Resp: 18374

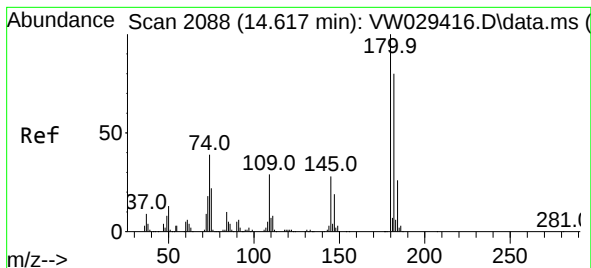
Ion Ratio Lower Upper

75 100

155 67.2 51.0 76.6

157 85.2 58.8 88.2





#69

1,3,5-Trichlorobenzene

Concen: 15.727 ug/L

RT: 14.623 min Scan# 2088

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

A4CZ2MS

Tgt Ion:180 Resp: 79233

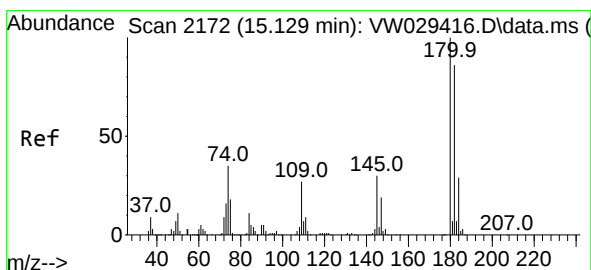
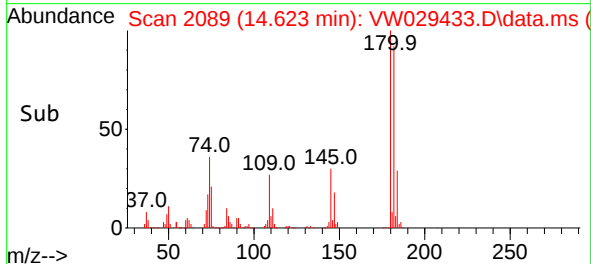
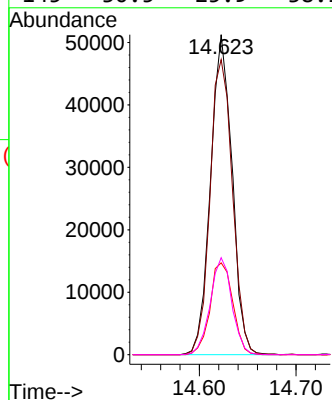
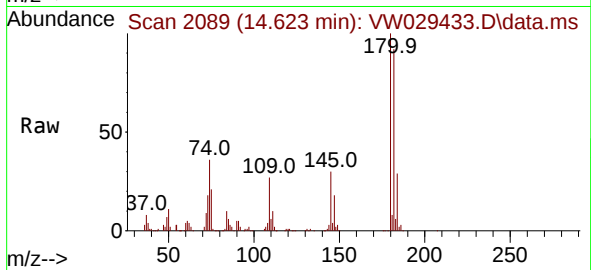
Ion Ratio Lower Upper

180 100

182 96.3 72.9 109.3

184 30.3 23.8 35.6

145 30.5 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 14.848 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

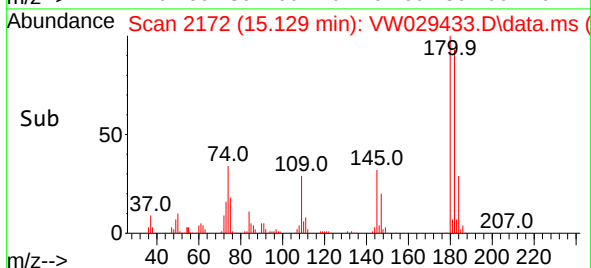
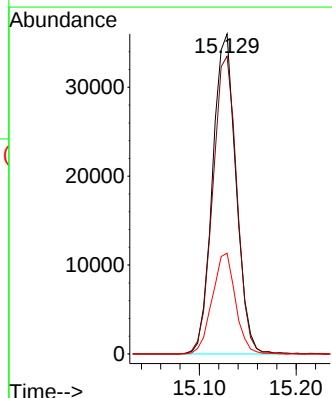
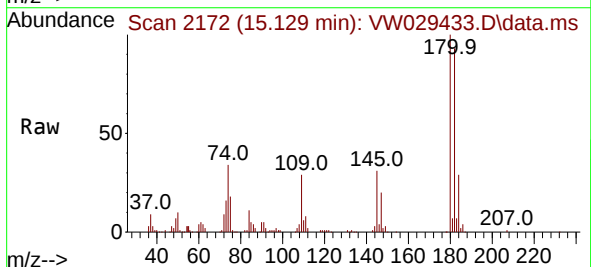
Tgt Ion:180 Resp: 60638

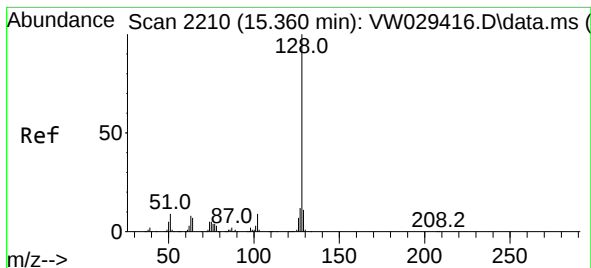
Ion Ratio Lower Upper

180 100

182 95.5 77.7 116.5

145 31.2 25.7 38.5





#71

Naphthalene

Concen: 19.995 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Instrument :

MSVOA_W

ClientSampleId :

A4CZ2MS

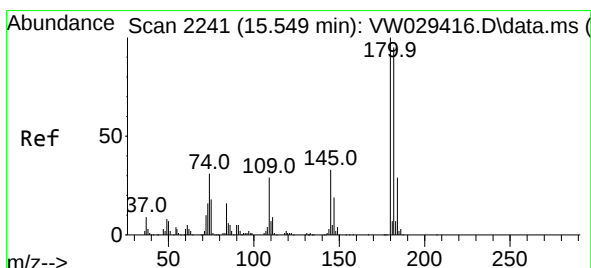
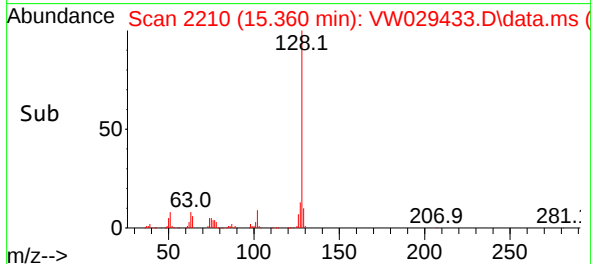
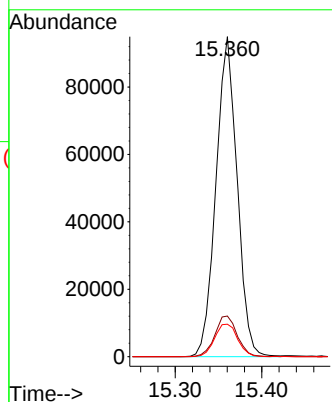
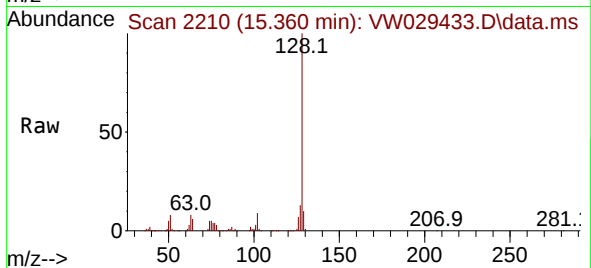
Tgt Ion:128 Resp: 161164

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 11.1 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 13.306 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.000 min

Lab File: VW029433.D

Acq: 01 Jul 2024 17:40

Tgt Ion:180 Resp: 49512

Ion Ratio Lower Upper

180 100

182 99.1 73.0 109.6

145 35.7 28.1 42.1

