

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100924\
 Data File : VW030494.D
 Acq On : 09 Oct 2024 23:35
 Operator : SY/MD
 Sample : P4329-08
 Misc : 5.59g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4EN5

Quant Time: Oct 10 01:33:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 10 01:29:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	385877	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	356666	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	168218	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	122622	20.217	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.880%
7) Chloroethane-d5	2.893	69	102098	22.237	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.960%
11) 1,1-Dichloroethene-d2	4.021	65	53352	21.148	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.600%
21) 2-Butanone-d5	7.081	46	49321	45.185	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.360%
24) Chloroform-d	7.648	84	260718	23.626	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.520%
26) 1,2-Dichloroethane-d4	8.307	65	135070	23.538	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.160%
32) Benzene-d6	8.276	84	490604	23.700	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	9.276	67	143797	23.667	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.680%
41) Toluene-d8	10.324	98	453602	24.003	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	10.574	79	61649	24.231	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.920%
47) 2-Hexanone-d5	10.922	63	40124	51.272	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.540%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	106994	23.978	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.920%
66) 1,2-Dichlorobenzene-d4	13.848	152	149118	26.199	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.009	85	96032	19.479	ug/L	95
3) Chloromethane	2.222	50	116817	20.387	ug/L	97
5) Vinyl chloride	2.375	62	140983	20.007	ug/L	100
6) Bromomethane	2.789	94	95733	20.641	ug/L	94
8) Chloroethane	2.936	64	89520	20.782	ug/L	96
9) Trichlorofluoromethane	3.271	101	120465	19.106	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	110901	19.550	ug/L	97
12) 1,1-Dichloroethene	4.045	96	105795	20.435	ug/L	93
13) Acetone	4.130	43	49301	30.851	ug/L	97
14) Carbon disulfide	4.387	76	340983	20.169	ug/L	100
15) Methyl Acetate	4.673	43	43155	21.862	ug/L	99
16) Methylene chloride	4.917	84	116848	20.030	ug/L	97
17) trans-1,2-Dichloroethene	5.435	96	119242	21.345	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	178133	22.783	ug/L	99
19) 1,1-Dichloroethane	6.222	63	222755	21.454	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	129114	21.669	ug/L	97
22) 2-Butanone	7.173	43	63064	36.610	ug/L	99
23) Bromochloromethane	7.514	128	54759	21.007	ug/L	94
25) Chloroform	7.679	83	236020	21.272	ug/L	99

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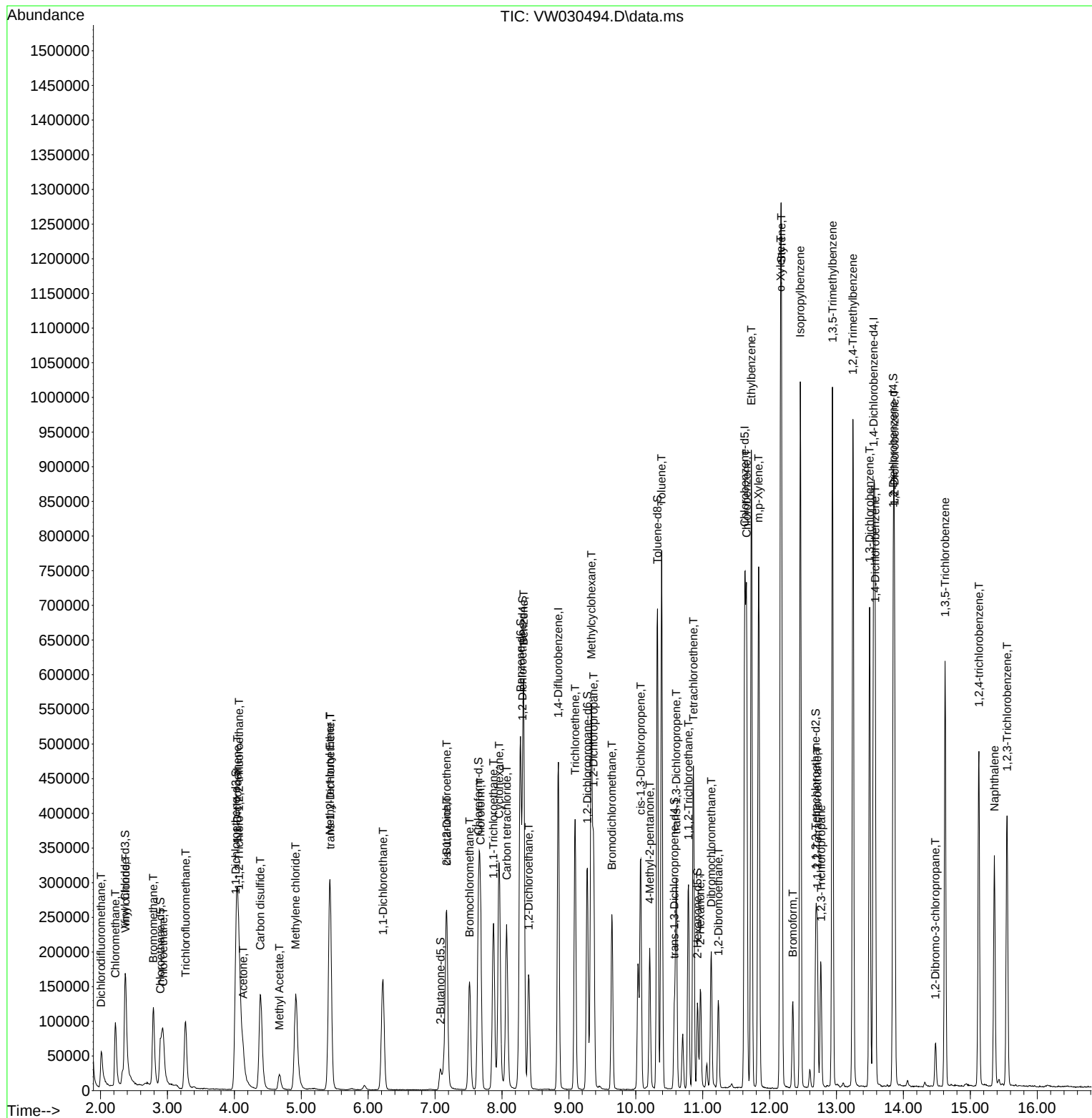
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	152338	20.811	ug/L	98
29) Cyclohexane	7.959	56	187532	21.600	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	191424	20.218	ug/L	99
31) Carbon tetrachloride	8.069	117	169729	20.071	ug/L	100
33) Benzene	8.325	78	500950	21.583	ug/L	100
34) Trichloroethene	9.093	95	132581	20.532	ug/L	99
35) Methylcyclohexane	9.337	83	212827	20.943	ug/L	100
37) 1,2-Dichloropropane	9.367	63	124249	21.434	ug/L	100
38) Bromodichloromethane	9.642	83	165407	21.447	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	189615	21.686	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	124626	44.751	ug/L	100
42) Toluene	10.385	91	534848	21.600	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	159107	21.654	ug/L	95
45) 1,1,2-Trichloroethane	10.788	97	89399	21.339	ug/L	98
46) Tetrachloroethene	10.861	164	98877	20.761	ug/L	98
48) 2-Hexanone	10.965	43	89482	39.291	ug/L	99
49) Dibromochloromethane	11.129	129	97636	20.886	ug/L	99
50) 1,2-Dibromoethane	11.233	107	82634	21.138	ug/L #	92
51) Chlorobenzene	11.654	112	338607	21.243	ug/L	98
52) Ethylbenzene	11.727	91	629018	22.262	ug/L	98
53) m,p-Xylene	11.836	106	229901	21.719	ug/L	88
54) o-Xylene	12.166	106	220127	22.493	ug/L	90
55) Styrene	12.178	104	379157	22.663	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.714	83	101369	21.456	ug/L	99
59) Bromoform	12.349	173	54923	23.239	ug/L	98
60) Isopropylbenzene	12.458	105	616054	23.648	ug/L	100
61) 1,2,3-Trichloropropane	12.769	75	72040	22.008	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	507716	24.704	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	500120	24.854	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	262081	23.113	ug/L	94
65) 1,4-Dichlorobenzene	13.580	146	252820	21.593	ug/L	92
67) 1,2-Dichlorobenzene	13.867	146	229461	22.997	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	16147	22.123	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	172300	23.043	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	141008	23.425	ug/L	98
71) Naphthalene	15.360	128	260091	25.009	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	119877	22.972	ug/L	98

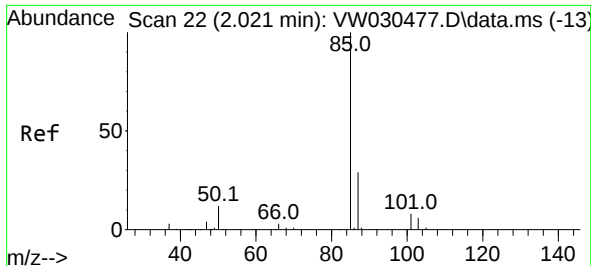
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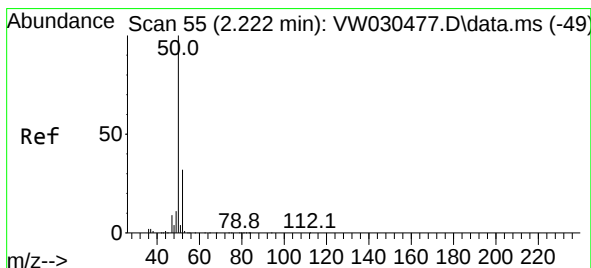
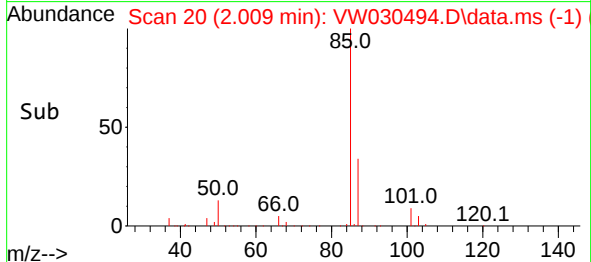
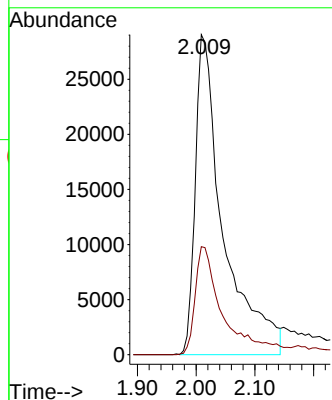
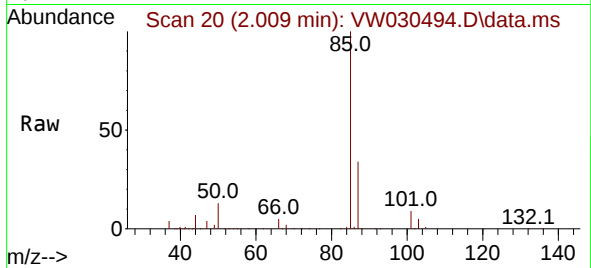




#2
Dichlorodifluoromethane
Concen: 19.479 ug/L
RT: 2.009 min Scan# 20
Delta R.T. -0.012 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

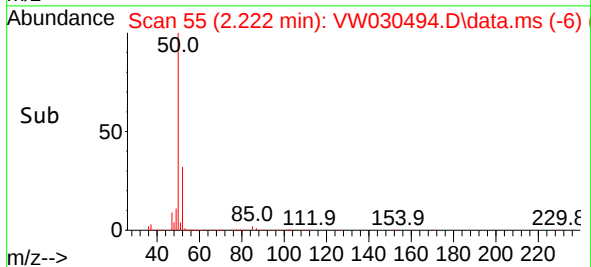
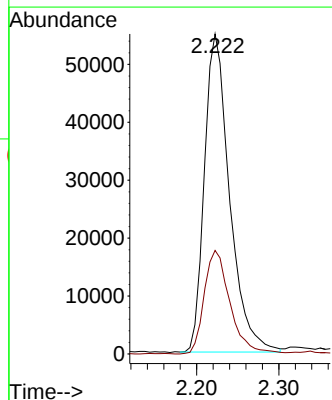
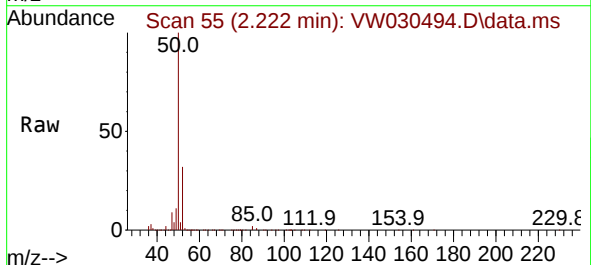
Instrument :
MSVOA_W
ClientSampleId :
A4EN5

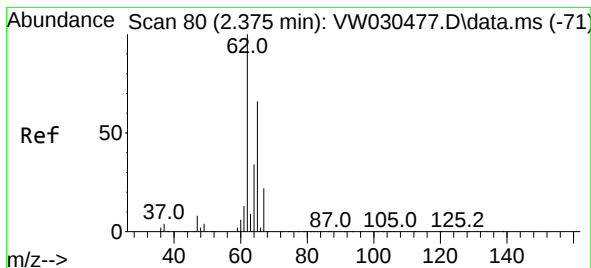
Tgt Ion: 85 Resp: 96032
Ion Ratio Lower Upper
85 100
87 32.6 23.8 35.6



#3
Chloromethane
Concen: 20.387 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

Tgt Ion: 50 Resp: 116817
Ion Ratio Lower Upper
50 100
52 32.3 23.7 43.9





#5

Vinyl chloride

Concen: 20.007 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

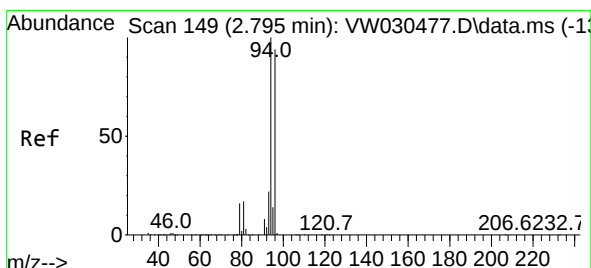
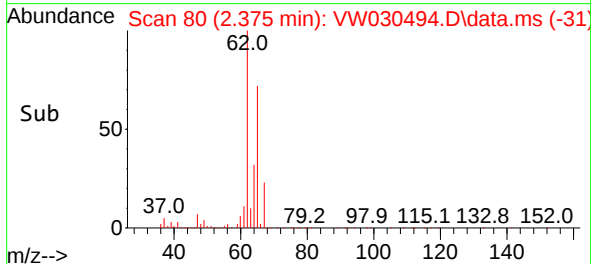
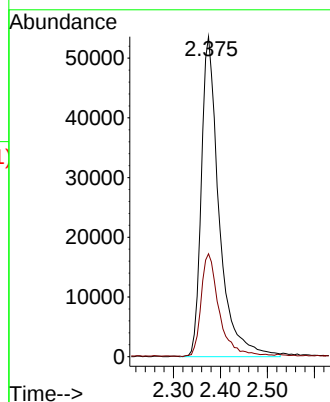
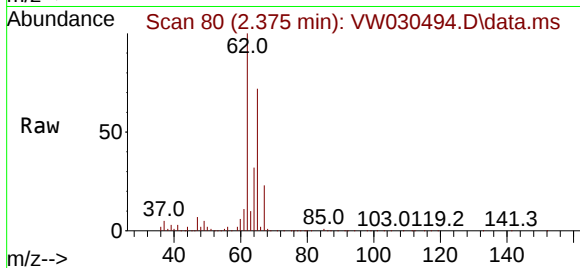
A4EN5

Tgt Ion: 62 Resp: 140983

Ion Ratio Lower Upper

62 100

64 32.1 22.6 42.0



#6

Bromomethane

Concen: 20.641 ug/L

RT: 2.789 min Scan# 148

Delta R.T. -0.006 min

Lab File: VW030494.D

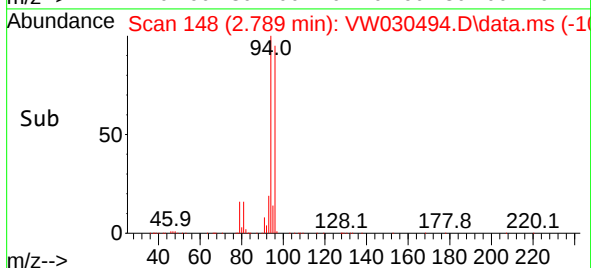
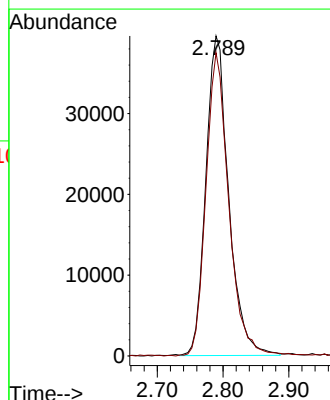
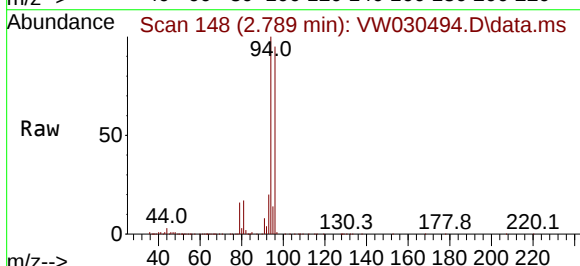
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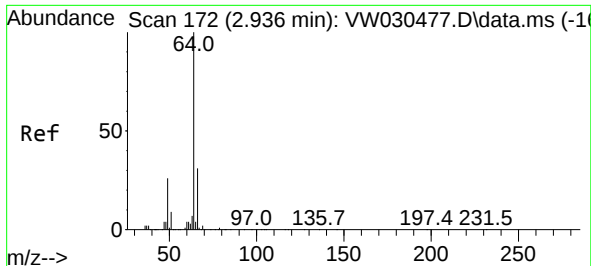
Tgt Ion: 94 Resp: 95733

Ion Ratio Lower Upper

94 100

96 94.7 62.6 116.2

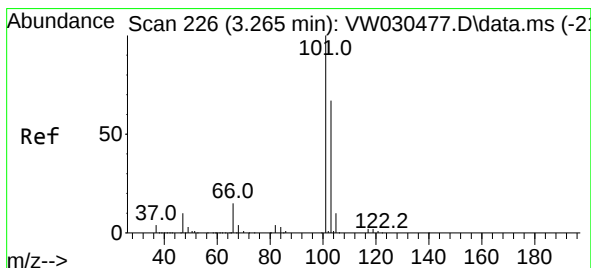
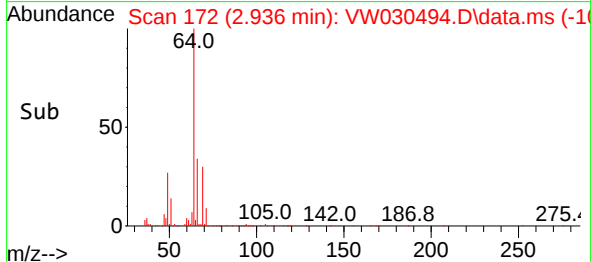
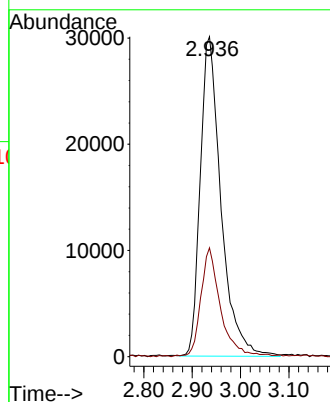
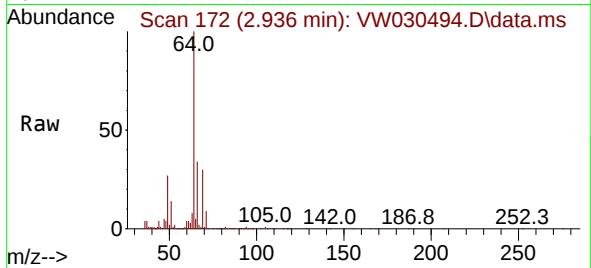




#8
Chloroethane
Concen: 20.782 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

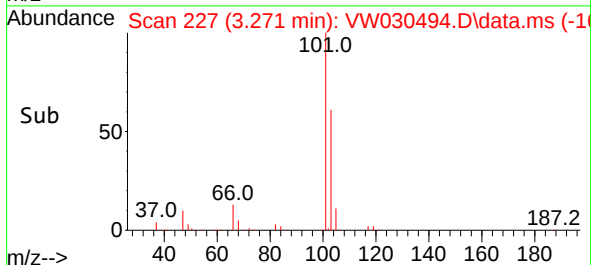
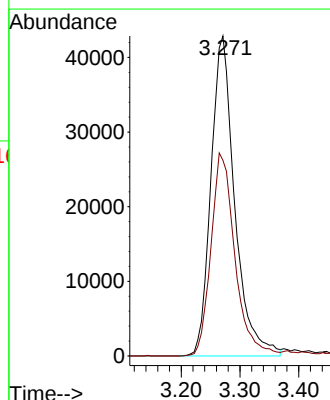
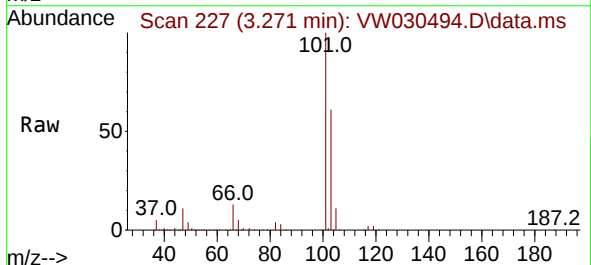
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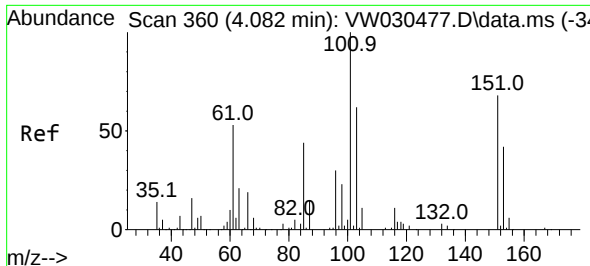
Tgt Ion: 64 Resp: 89520
Ion Ratio Lower Upper
64 100
66 34.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 19.106 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.006 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

Tgt Ion:101 Resp: 120465
Ion Ratio Lower Upper
101 100
103 64.0 51.1 76.7

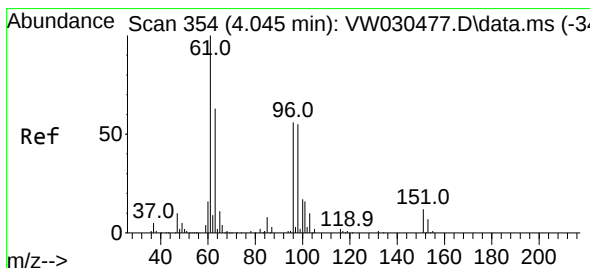
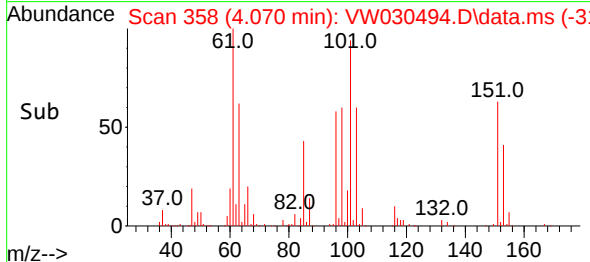
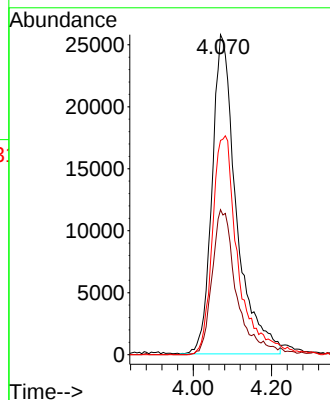
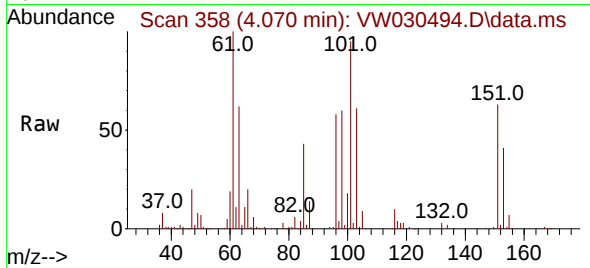




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.550 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: VW030494.D
 Acq: 09 Oct 2024 23:35

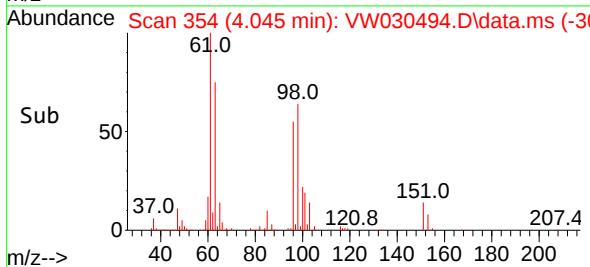
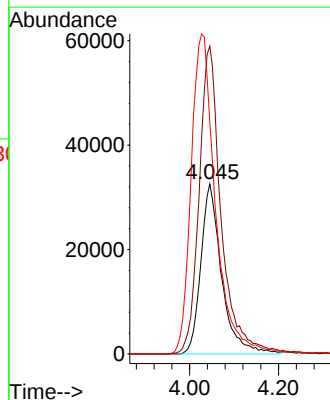
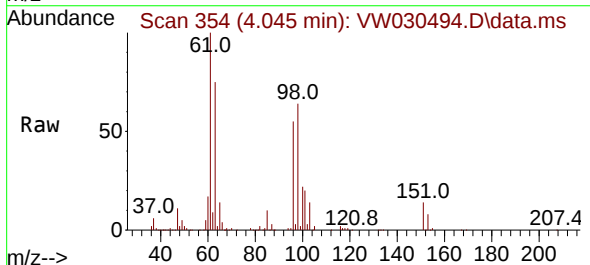
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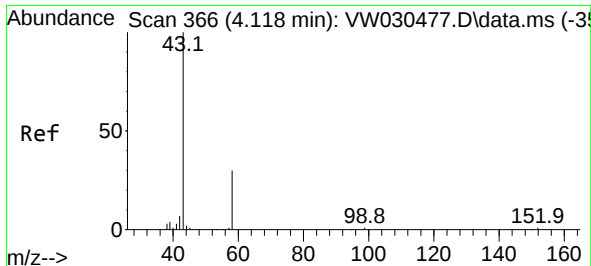
Tgt Ion:101 Resp: 110901
 Ion Ratio Lower Upper
 101 100
 85 42.2 35.7 53.5
 151 67.8 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 20.435 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW030494.D
 Acq: 09 Oct 2024 23:35

Tgt Ion: 96 Resp: 105795
 Ion Ratio Lower Upper
 96 100
 61 181.0 121.3 225.3
 63 136.4 87.6 162.8

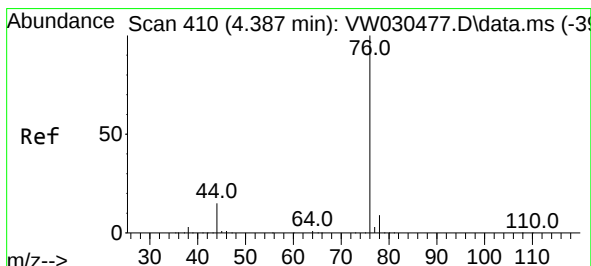
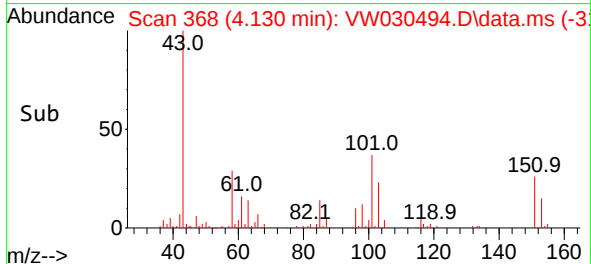
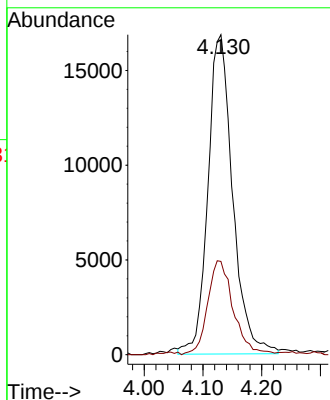
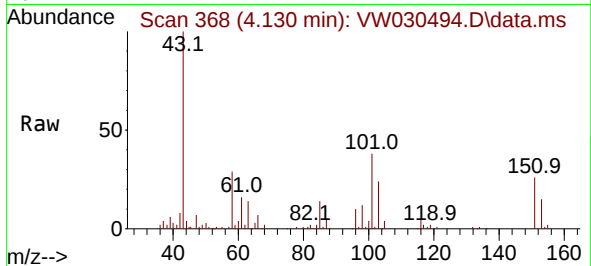




#13
Acetone
Concen: 30.851 ug/L
RT: 4.130 min Scan# 30
Delta R.T. 0.012 min
Lab File: VW030494.D
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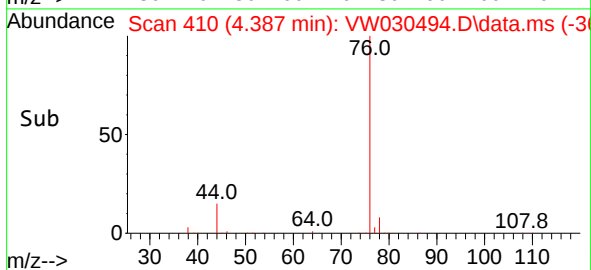
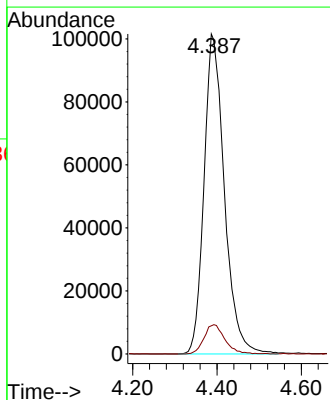
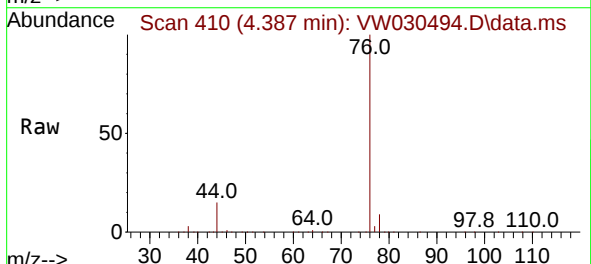
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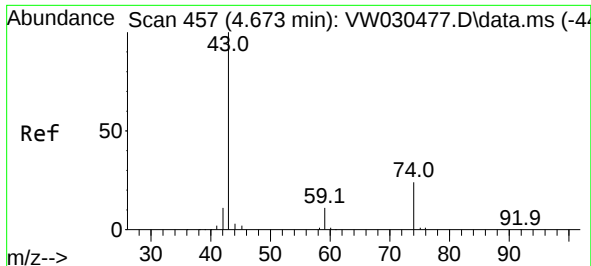
Tgt Ion: 43 Resp: 49301
Ion Ratio Lower Upper
43 100
58 30.5 0.0 57.6



#14
Carbon disulfide
Concen: 20.169 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 340983
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

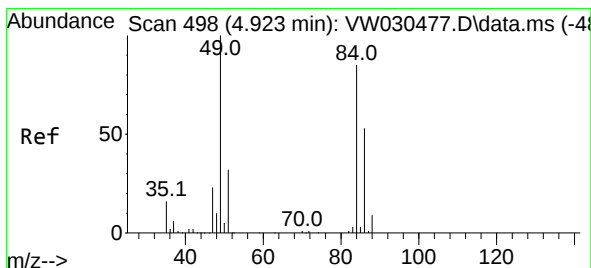
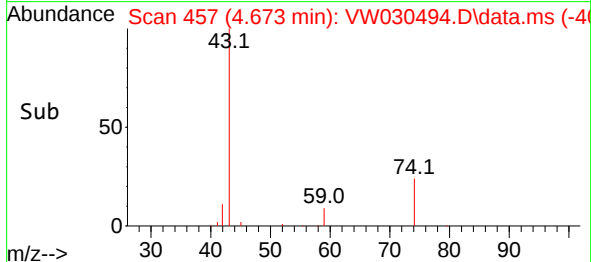
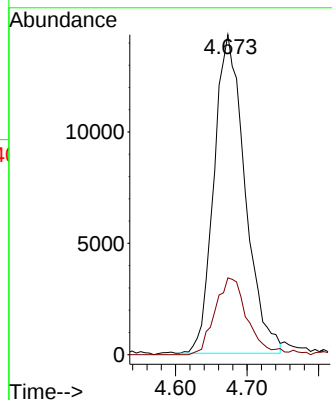
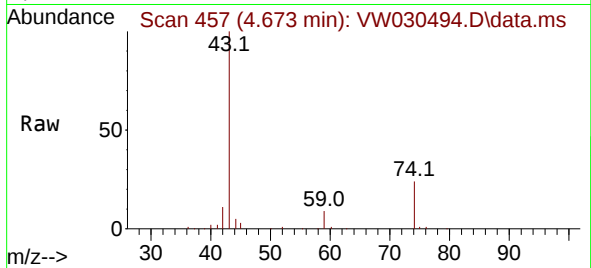




#15
Methyl Acetate
Concen: 21.862 ug/L
RT: 4.673 min Scan# 41
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

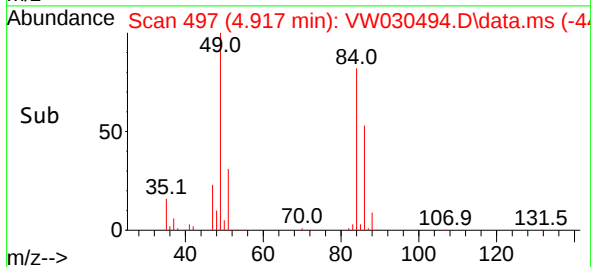
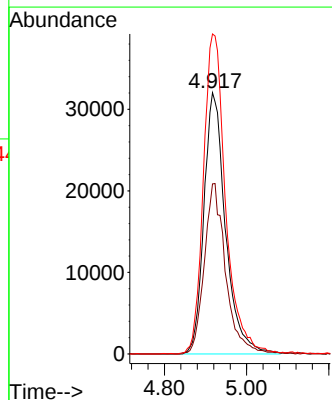
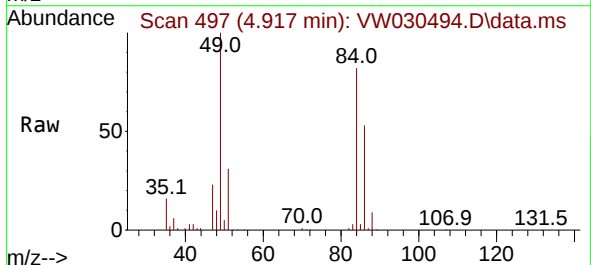
Instrument :
MSVOA_W
ClientSampleId :
A4EN5

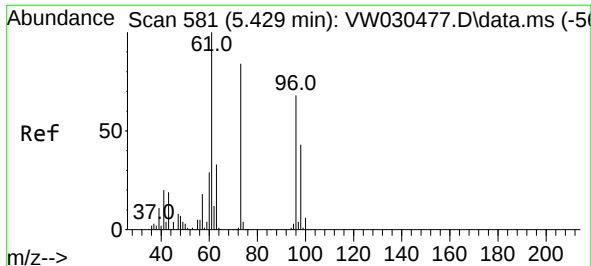
Tgt Ion: 43 Resp: 43155
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9



#16
Methylene chloride
Concen: 20.030 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

Tgt Ion: 84 Resp: 116848
Ion Ratio Lower Upper
84 100
86 65.1 43.8 81.3
49 122.5 88.3 164.1





#17

trans-1,2-Dichloroethene

Concen: 21.345 ug/L

RT: 5.435 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

A4EN5

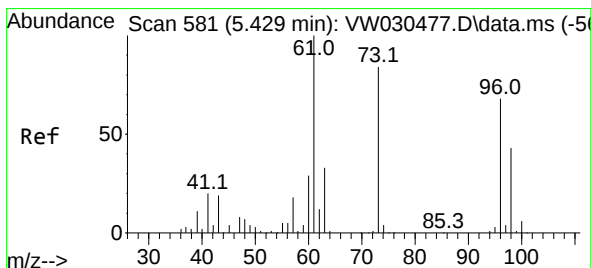
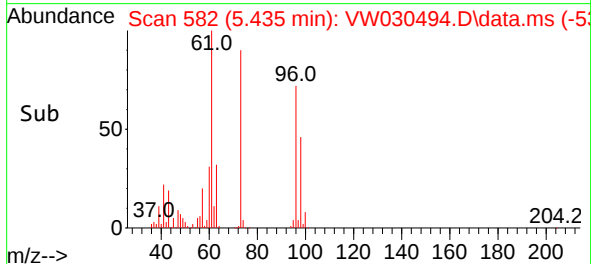
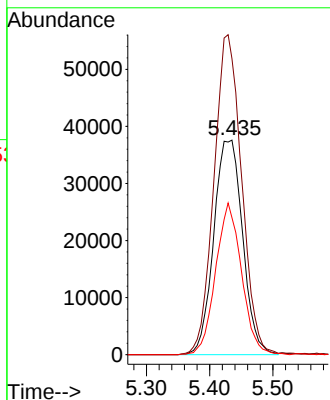
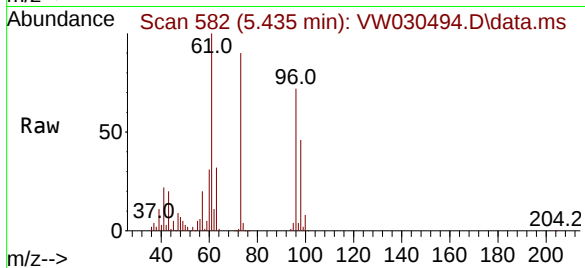
Tgt Ion: 96 Resp: 119242

Ion Ratio Lower Upper

96 100

61 138.0 96.9 179.9

98 63.9 42.2 78.4



#18

Methyl tert-butyl Ether

Concen: 22.783 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

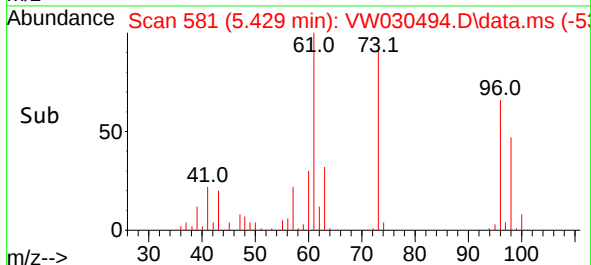
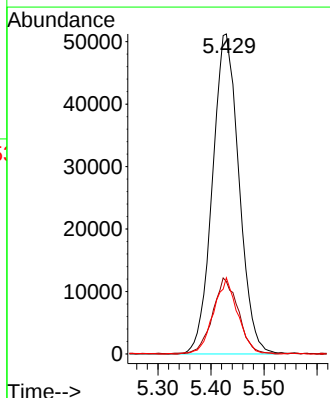
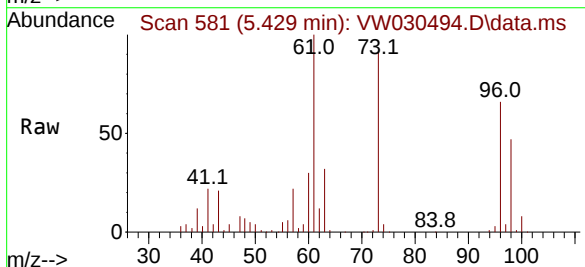
Tgt Ion: 73 Resp: 178133

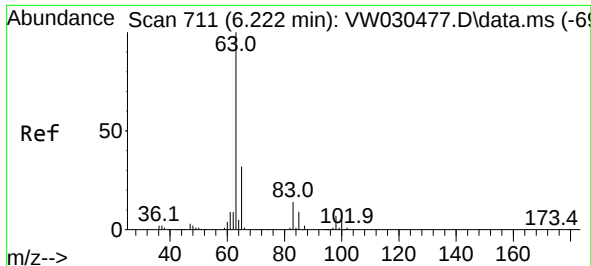
Ion Ratio Lower Upper

73 100

43 22.6 18.1 27.1

57 21.3 17.7 26.5





#19

1,1-Dichloroethane

Concen: 21.454 ug/L

RT: 6.222 min Scan# 711

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

A4EN5

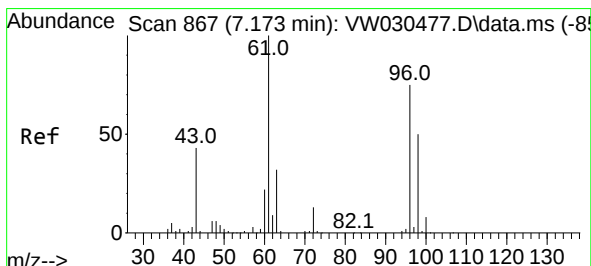
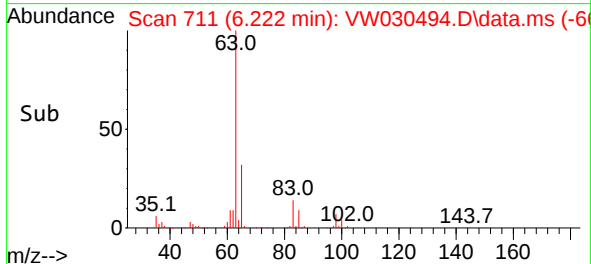
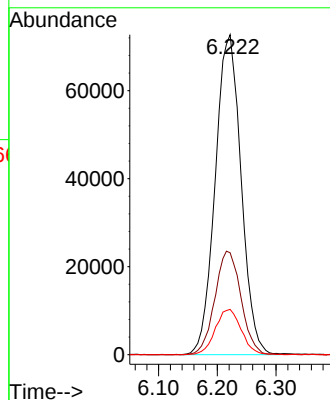
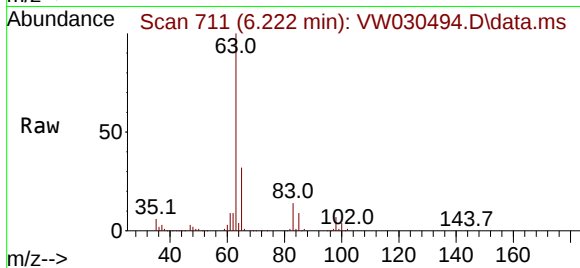
Tgt Ion: 63 Resp: 222755

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.9

83 14.1 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 21.669 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

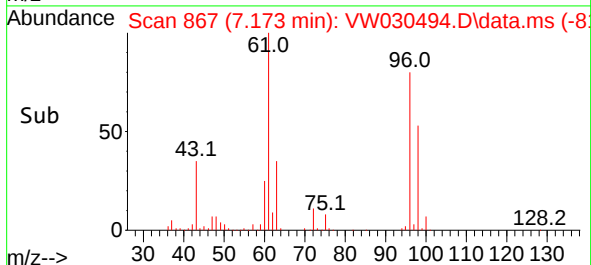
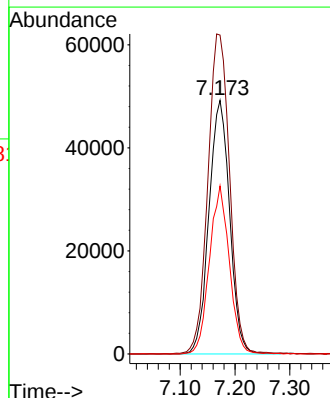
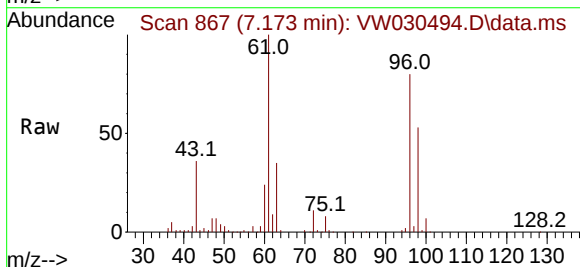
Tgt Ion: 96 Resp: 129114

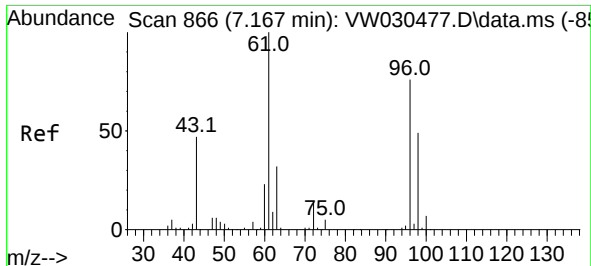
Ion Ratio Lower Upper

96 100

61 125.7 88.3 163.9

98 66.2 41.3 76.7

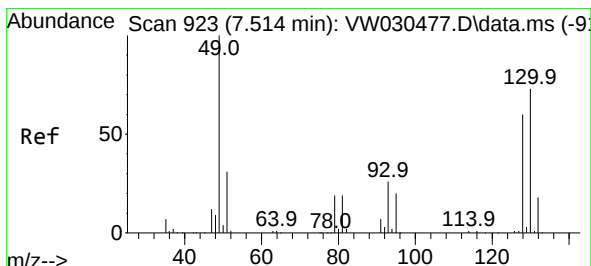
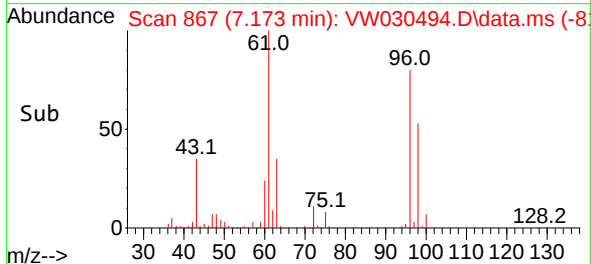
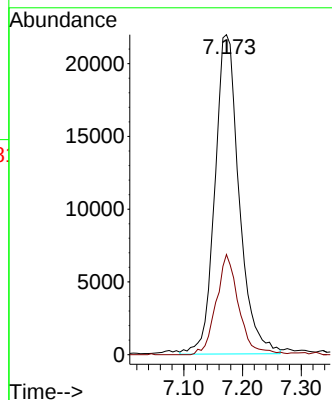
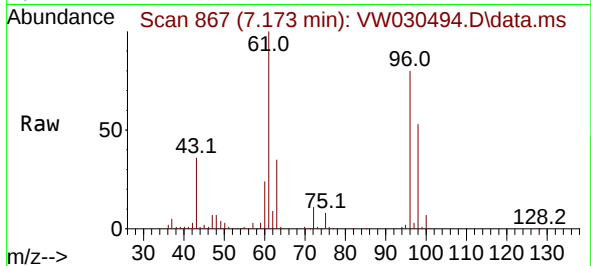




#22
2-Butanone
Concen: 36.610 ug/L
RT: 7.173 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

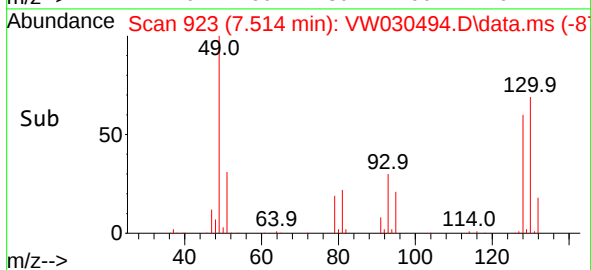
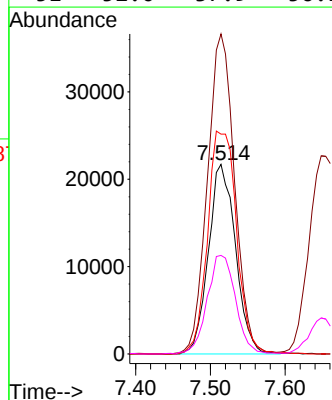
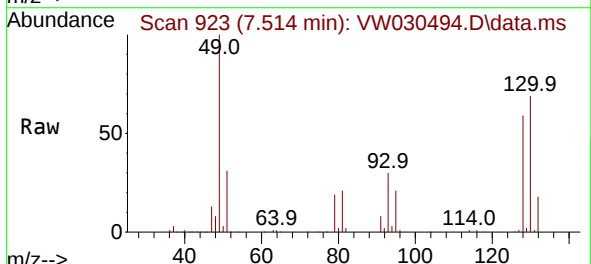
Instrument :
MSVOA_W
ClientSampleId :
A4EN5

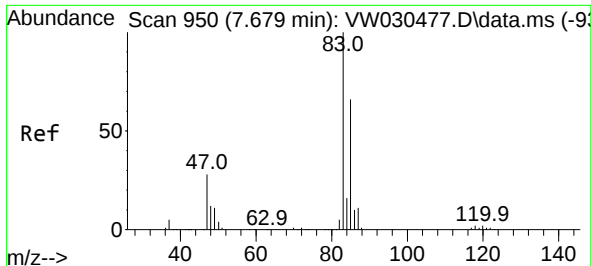
Tgt Ion: 43 Resp: 63064
Ion Ratio Lower Upper
43 100
72 29.1 14.4 43.0



#23
Bromochloromethane
Concen: 21.007 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

Tgt Ion: 128 Resp: 54759
Ion Ratio Lower Upper
128 100
49 168.8 110.1 204.5
130 116.0 82.9 153.9
51 52.0 37.9 56.9

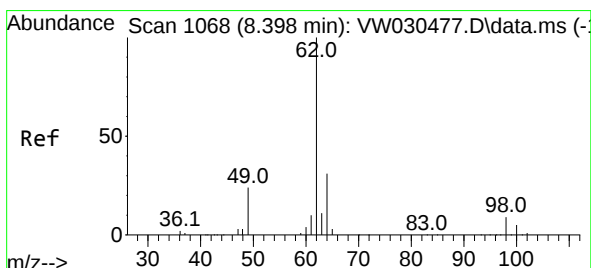
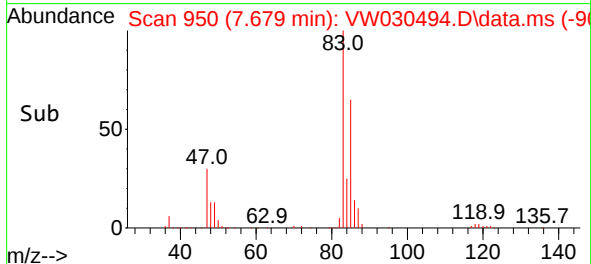
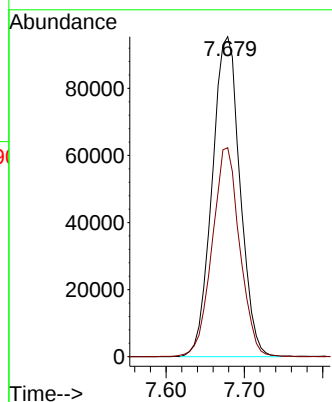
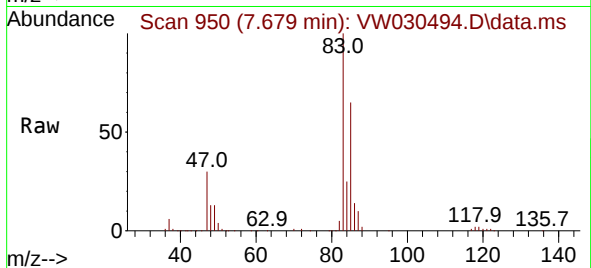




#25
Chloroform
Concen: 21.272 ug/L
RT: 7.679 min Scan# 910
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

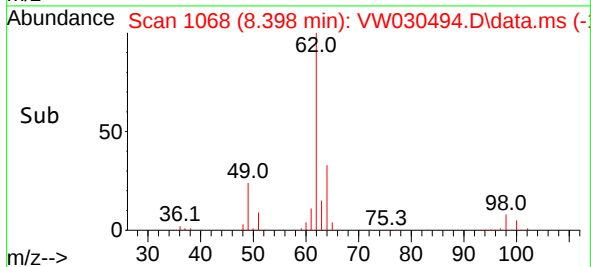
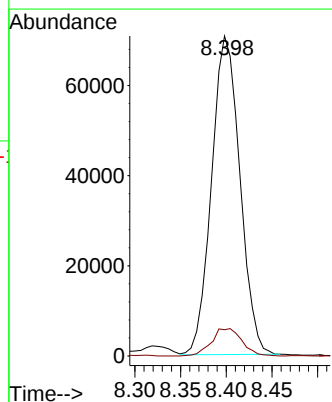
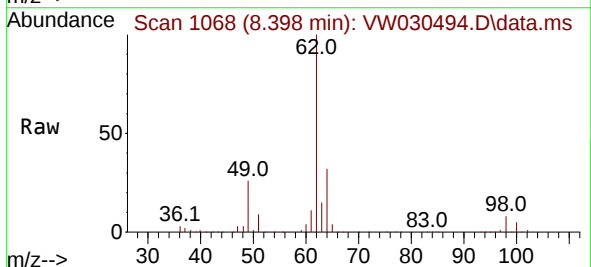
Instrument :
MSVOA_W
ClientSampleId :
A4EN5

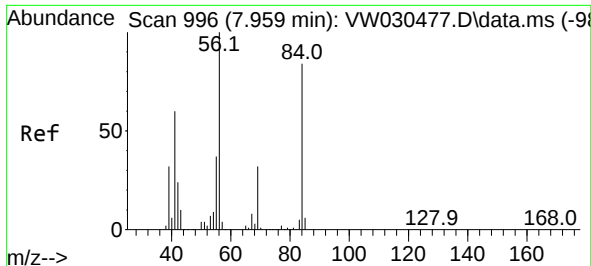
Tgt Ion: 83 Resp: 236020
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.7



#27
1,2-Dichloroethane
Concen: 20.811 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

Tgt Ion: 62 Resp: 152338
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.6





#29

Cyclohexane

Concen: 21.600 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

A4EN5

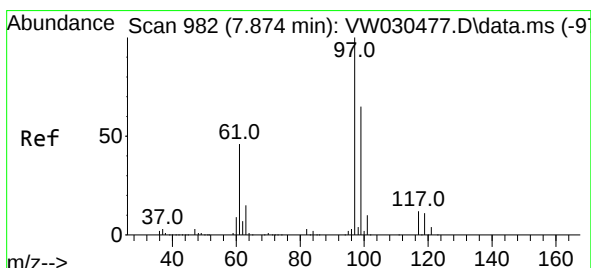
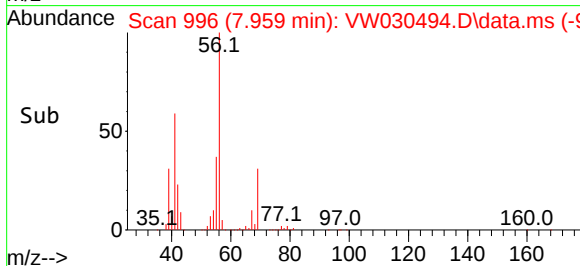
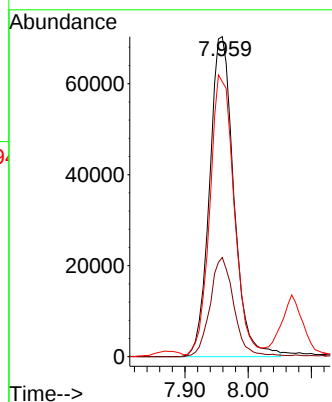
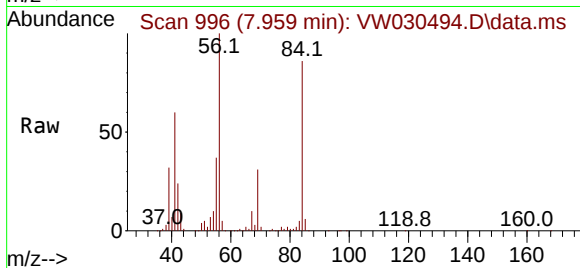
Tgt Ion: 56 Resp: 187532

Ion Ratio Lower Upper

56 100

69 30.1 25.4 38.0

84 87.6 72.3 108.5



#30

1,1,1-Trichloroethane

Concen: 20.218 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

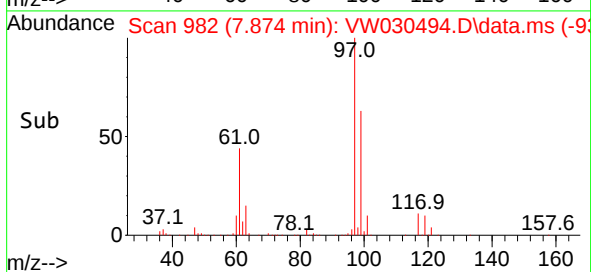
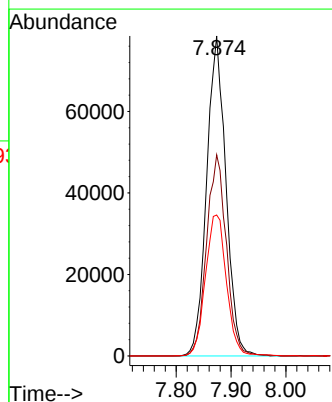
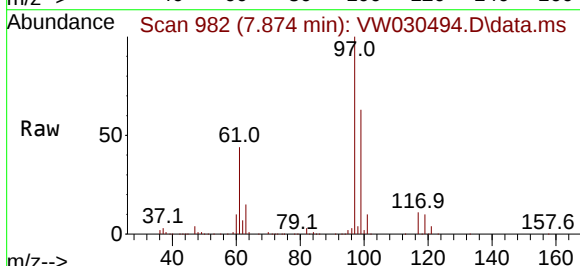
Tgt Ion: 97 Resp: 191424

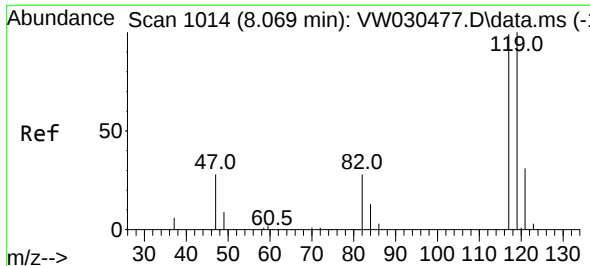
Ion Ratio Lower Upper

97 100

99 64.6 52.3 78.5

61 48.2 38.5 57.7

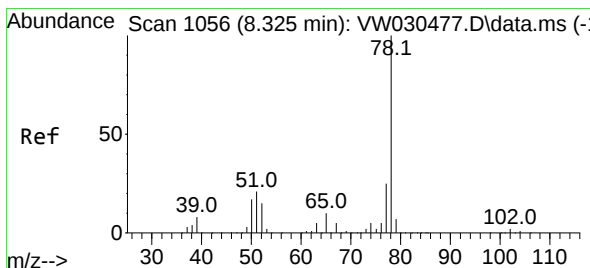
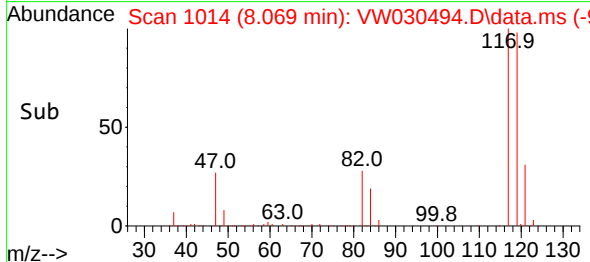
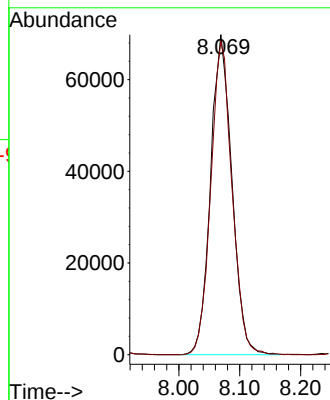
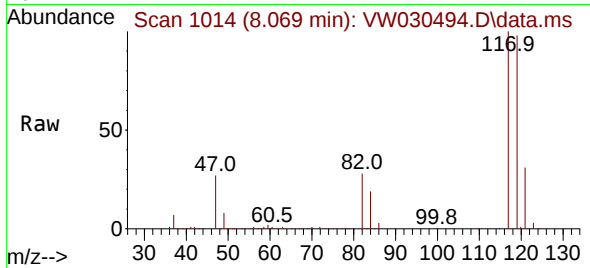




#31
Carbon tetrachloride
Concen: 20.071 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

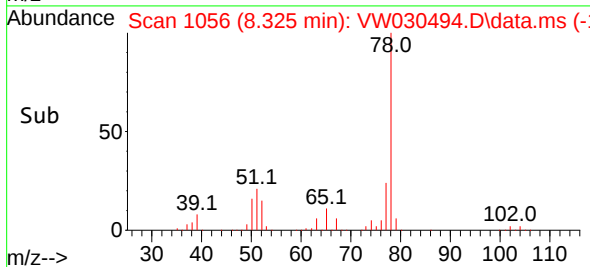
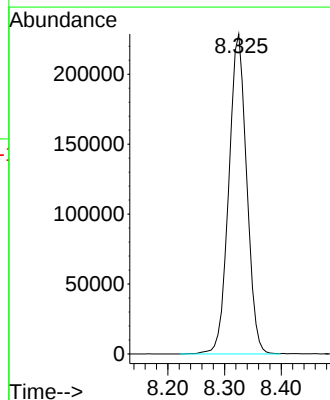
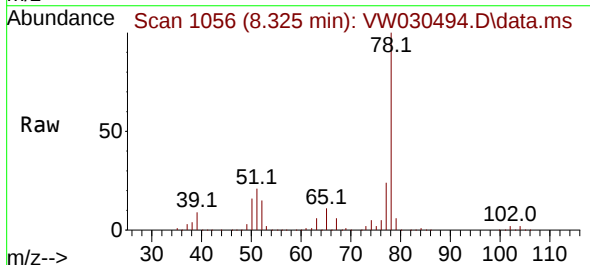
Instrument :
MSVOA_W
ClientSampleId :
A4EN5

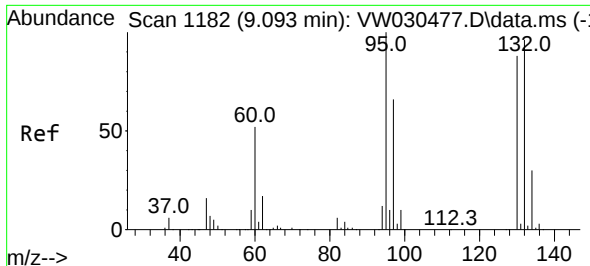
Tgt Ion:117 Resp: 169729
Ion Ratio Lower Upper
117 100
119 97.4 77.8 116.8



#33
Benzene
Concen: 21.583 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

Tgt Ion: 78 Resp: 500950



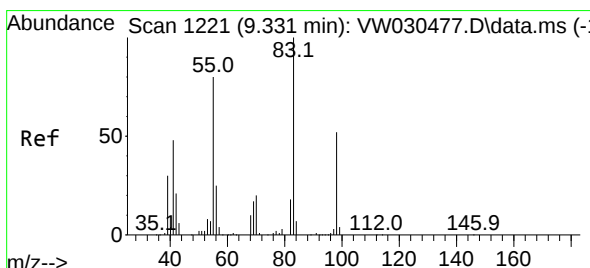
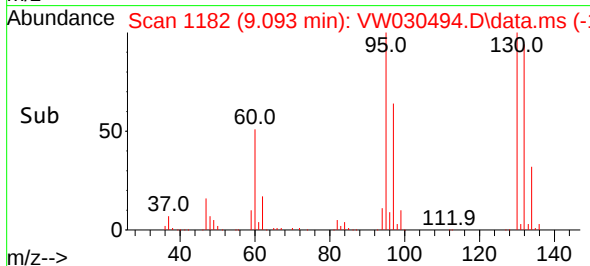
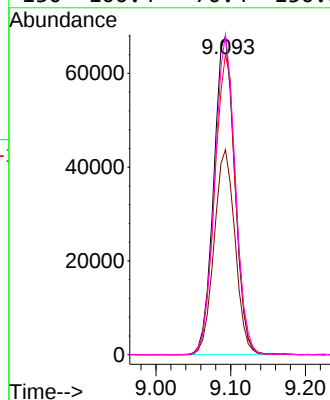
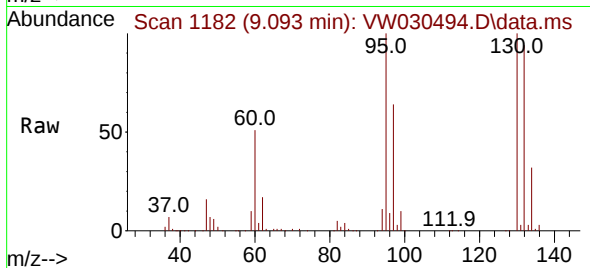


#34
 Trichloroethene
 Concen: 20.532 ug/L
 RT: 9.093 min Scan# 1182
 Delta R.T. -0.000 min
 Lab File: VW030494.D
 Acq: 09 Oct 2024 23:35

Instrument :
 MSVOA_W
 ClientSampleId :
 A4EN5

Tgt Ion: 95 Resp: 132581

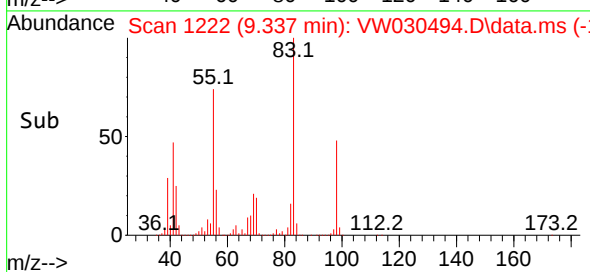
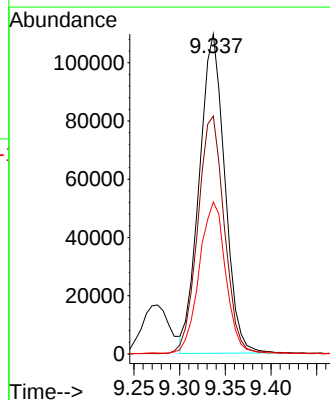
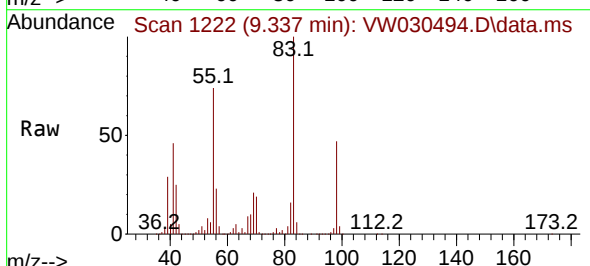
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.9	85.3
132	94.3	66.4	123.2
130	100.4	70.4	130.8

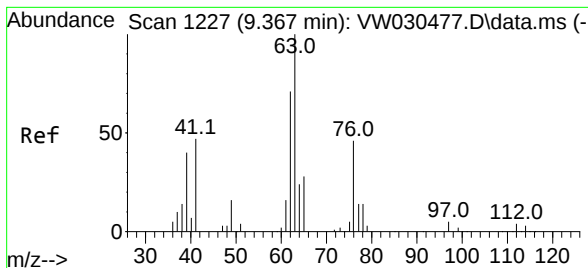


#35
 Methylcyclohexane
 Concen: 20.943 ug/L
 RT: 9.337 min Scan# 1222
 Delta R.T. 0.006 min
 Lab File: VW030494.D
 Acq: 09 Oct 2024 23:35

Tgt Ion: 83 Resp: 212827

Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.8	92.8
98	49.7	39.3	58.9





#37

1,2-Dichloropropane

Concen: 21.434 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

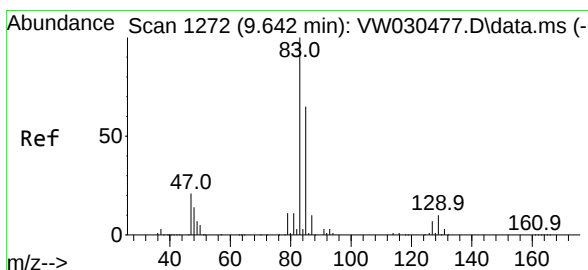
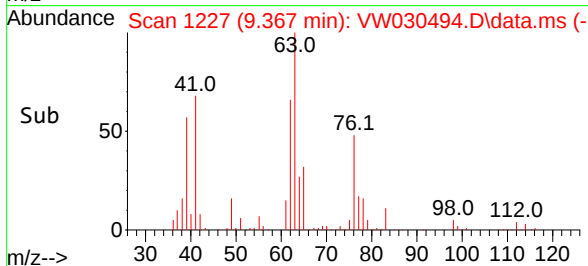
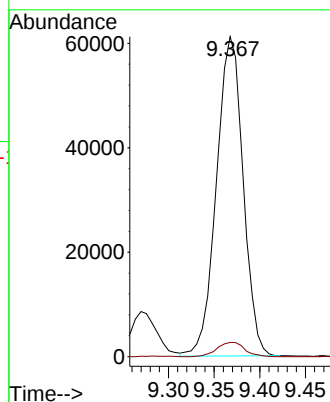
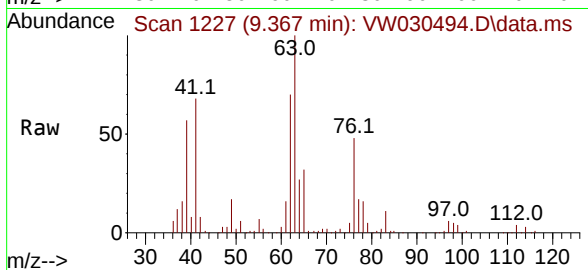
A4EN5

Tgt Ion: 63 Resp: 124249

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 21.447 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

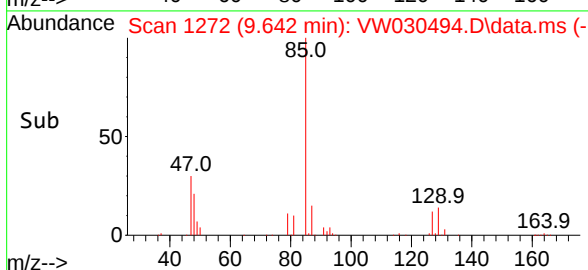
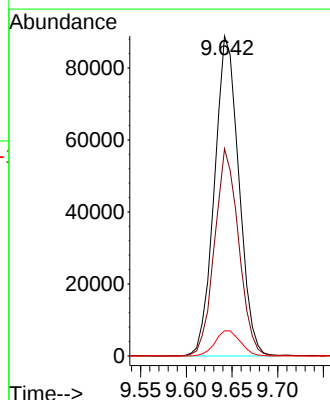
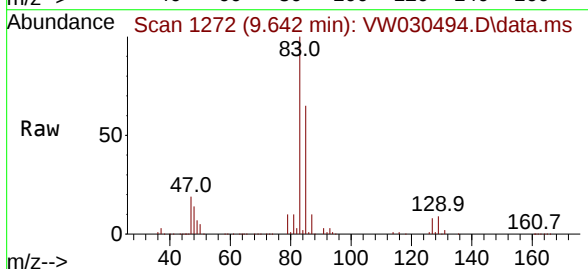
Tgt Ion: 83 Resp: 165407

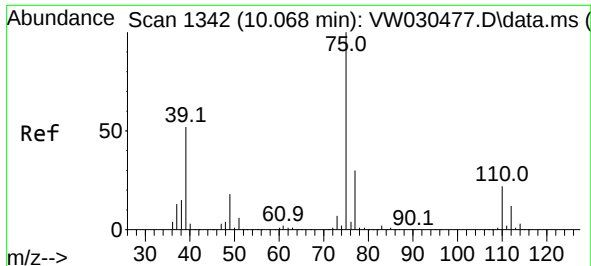
Ion Ratio Lower Upper

83 100

85 64.7 44.2 82.0

127 7.9 6.2 9.4

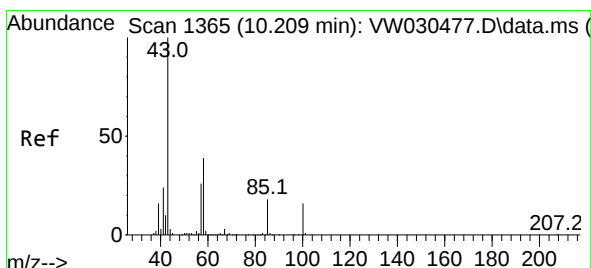
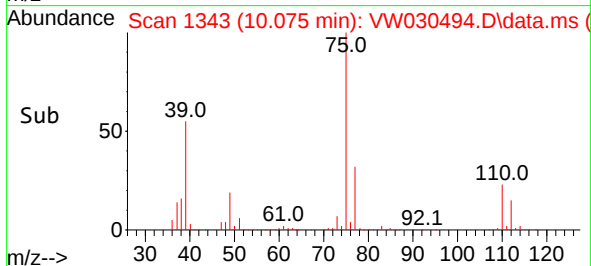
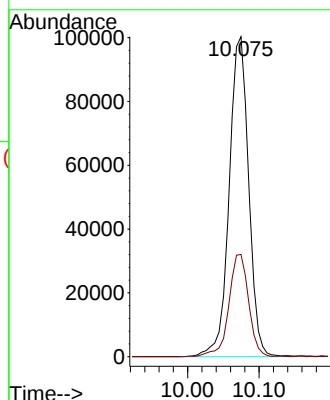
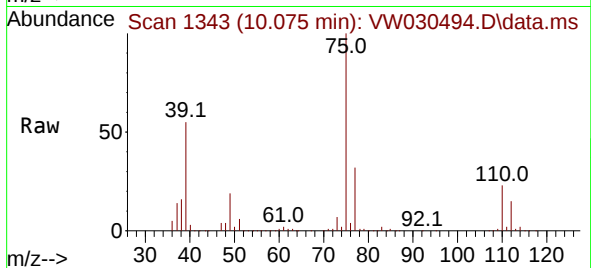




#39
 cis-1,3-Dichloropropene
 Concen: 21.686 ug/L
 RT: 10.075 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VW030494.D
 Acq: 09 Oct 2024 23:35

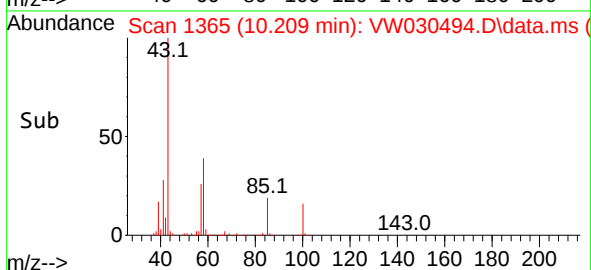
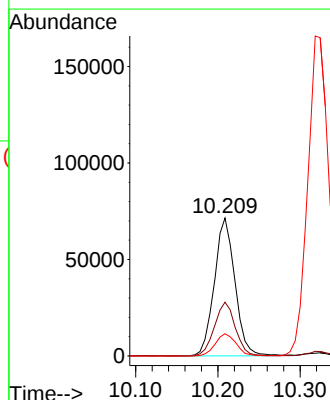
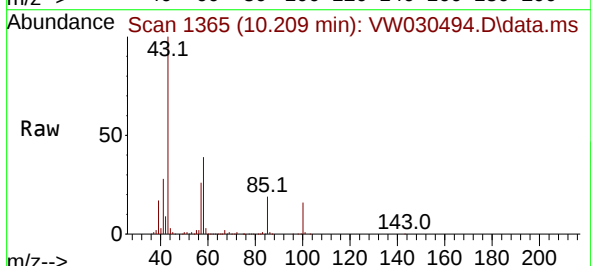
Instrument :
 MSVOA_W
 ClientSampleId :
 A4EN5

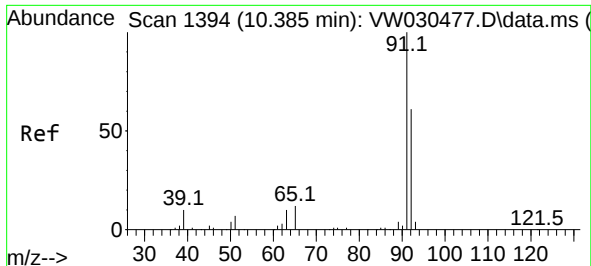
Tgt Ion: 75 Resp: 189615
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 44.751 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. -0.000 min
 Lab File: VW030494.D
 Acq: 09 Oct 2024 23:35

Tgt Ion: 43 Resp: 124626
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.4 47.2
 100 16.3 13.1 19.7

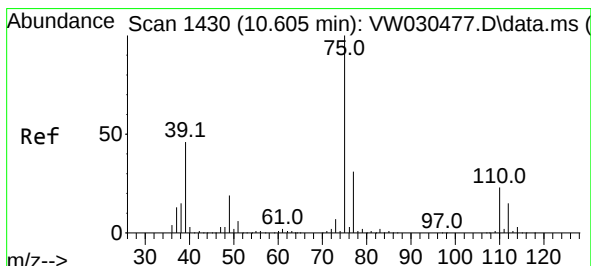
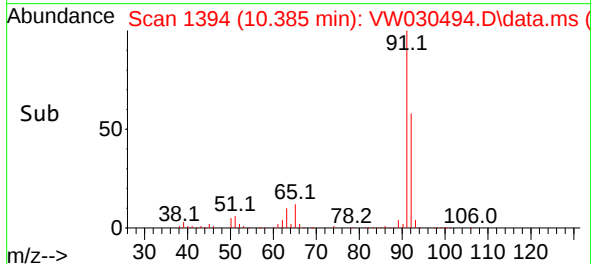
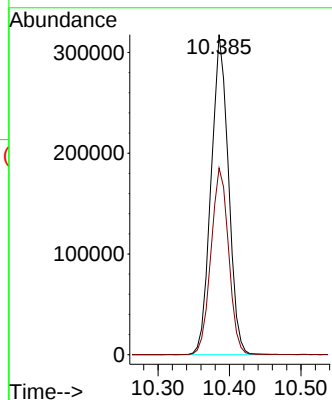
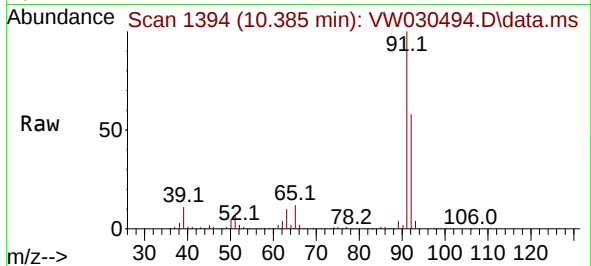




#42
Toluene
Concen: 21.600 ug/L
RT: 10.385 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

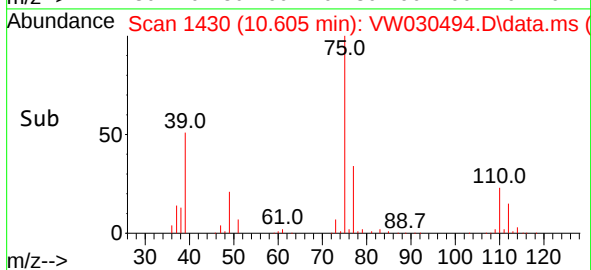
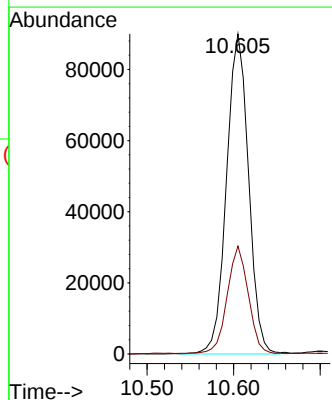
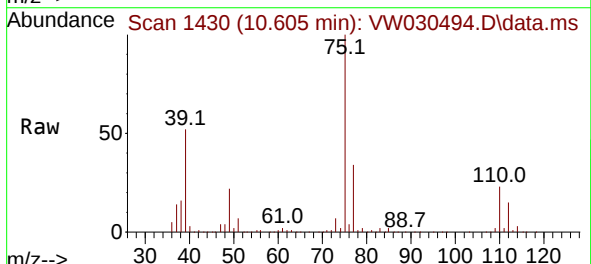
Instrument :
MSVOA_W
ClientSampleId :
A4EN5

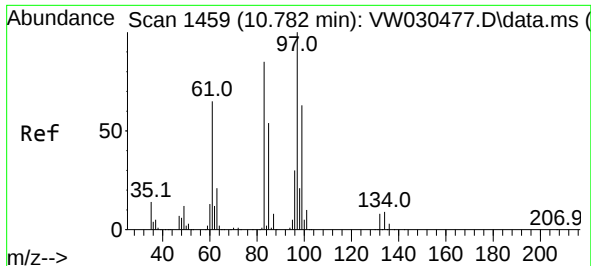
Tgt Ion: 91 Resp: 534848
Ion Ratio Lower Upper
91 100
92 58.4 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 21.654 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

Tgt Ion: 75 Resp: 159107
Ion Ratio Lower Upper
75 100
77 33.7 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 21.339 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

A4EN5

Tgt Ion: 97 Resp: 89399

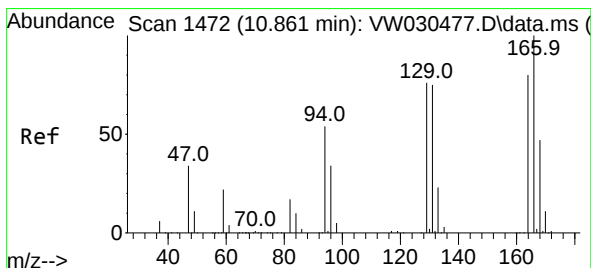
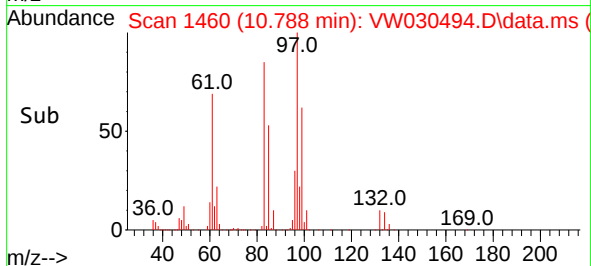
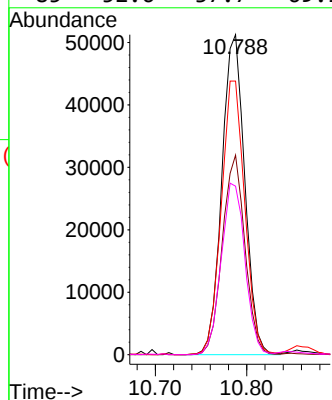
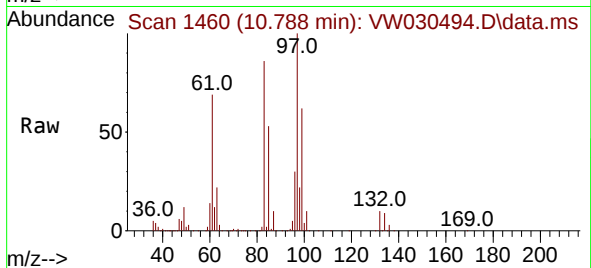
Ion Ratio Lower Upper

97 100

99 62.3 41.2 76.6

83 85.5 59.6 110.6

85 52.6 37.7 69.9



#46

Tetrachloroethene

Concen: 20.761 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Tgt Ion:164 Resp: 98877

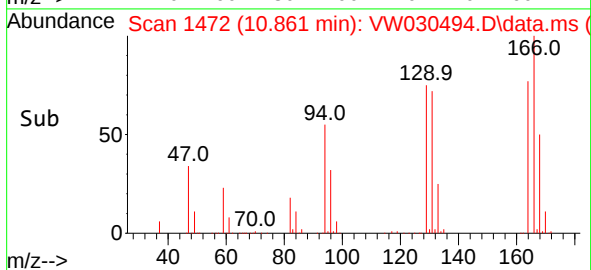
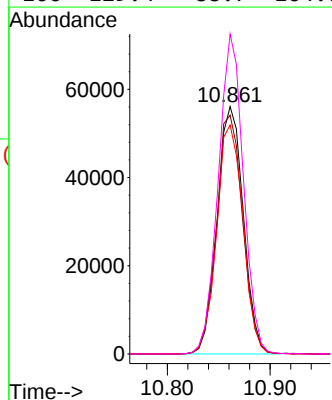
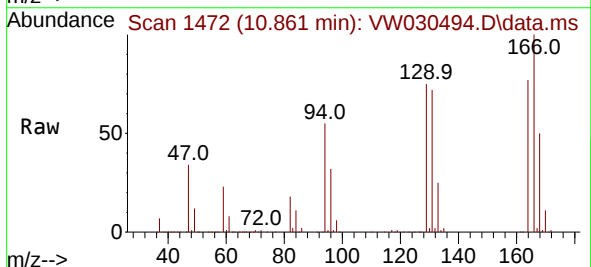
Ion Ratio Lower Upper

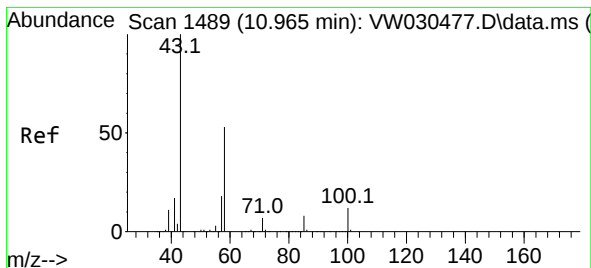
164 100

129 96.5 66.6 123.6

131 92.6 63.7 118.3

166 129.4 88.7 164.7





#48

2-Hexanone

Concen: 39.291 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

A4EN5

Tgt Ion: 43 Resp: 89482

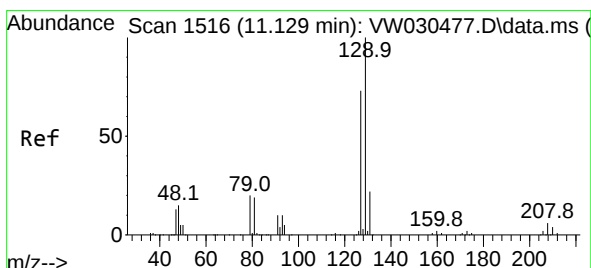
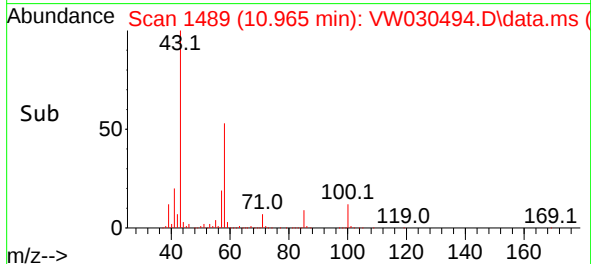
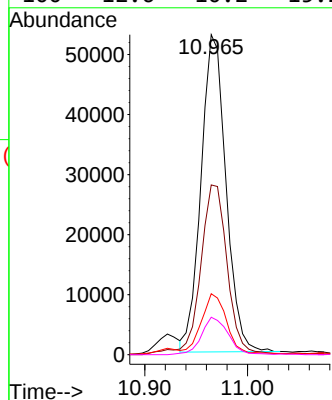
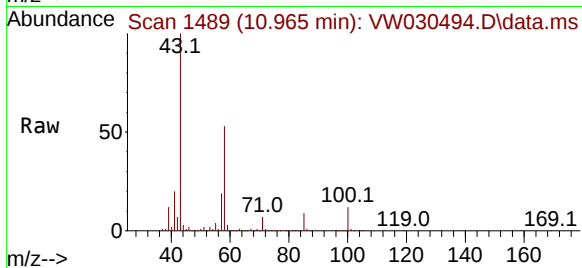
Ion Ratio Lower Upper

43 100

58 56.3 44.6 67.0

57 19.3 15.8 23.8

100 12.6 10.2 15.2



#49

Dibromochloromethane

Concen: 20.886 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW030494.D

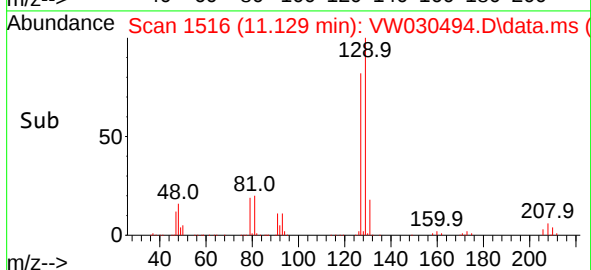
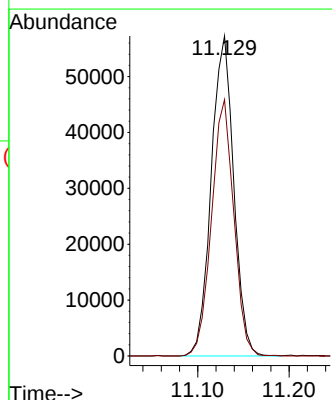
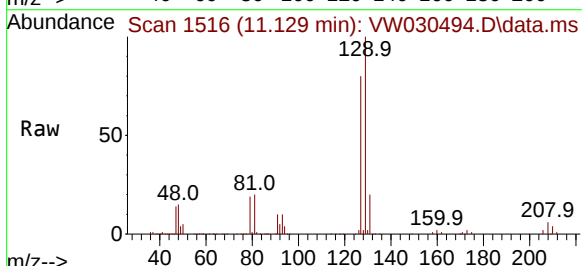
Acq: 09 Oct 2024 23:35

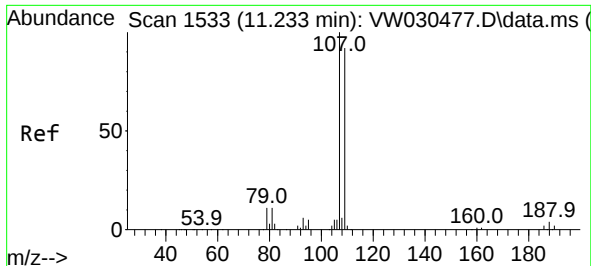
Tgt Ion: 129 Resp: 97636

Ion Ratio Lower Upper

129 100

127 80.1 56.5 104.9





#50

1,2-Dibromoethane

Concen: 21.138 ug/L

RT: 11.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

A4EN5

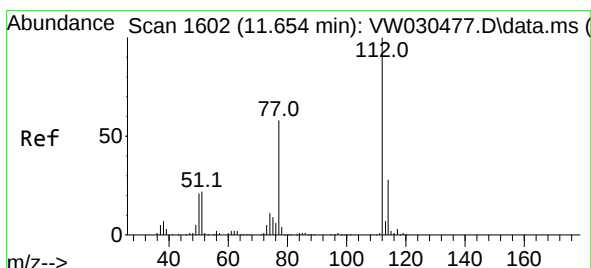
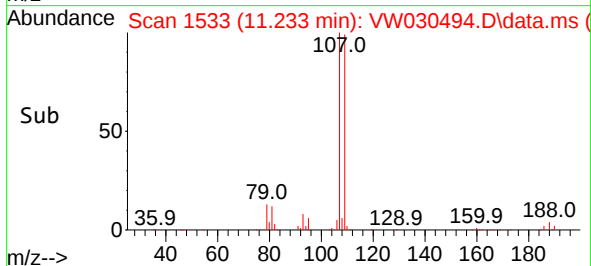
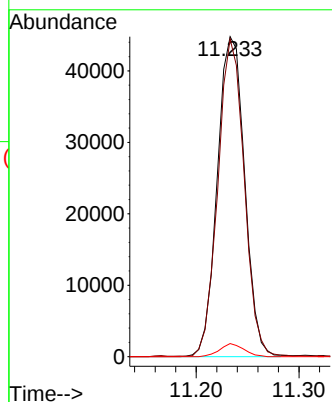
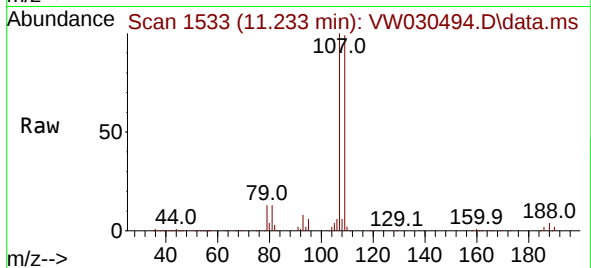
Tgt Ion:107 Resp: 82634

Ion Ratio Lower Upper

107 100

109 99.2 63.8 118.6

188 4.1 2.6 3.8#



#51

Chlorobenzene

Concen: 21.243 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

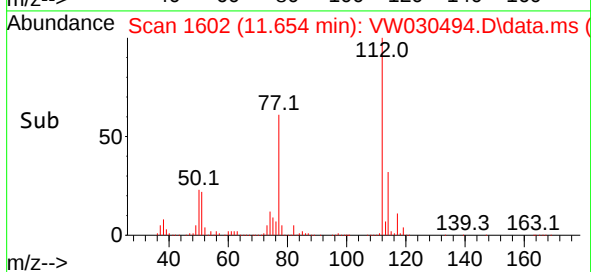
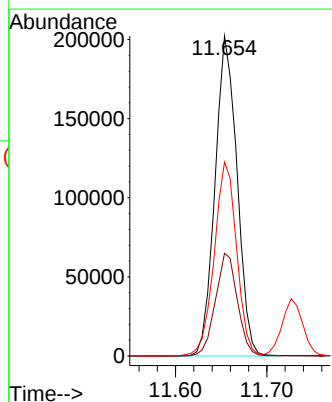
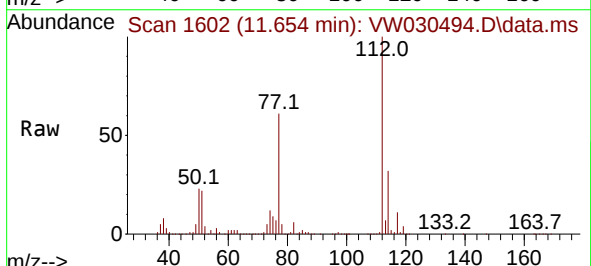
Tgt Ion:112 Resp: 338607

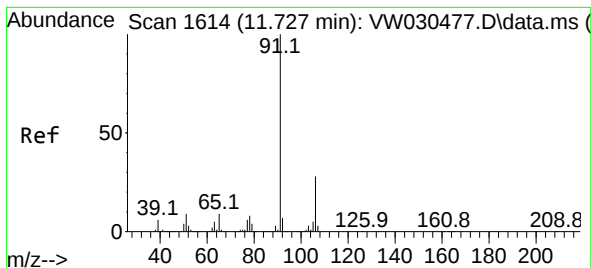
Ion Ratio Lower Upper

112 100

114 32.1 22.4 41.6

77 60.6 47.1 70.7

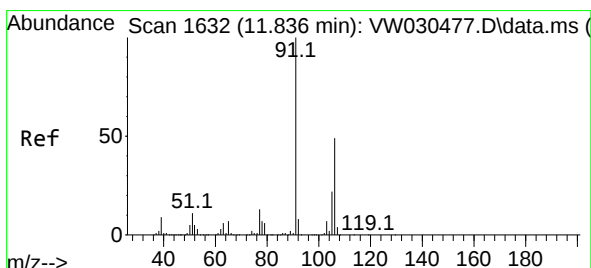
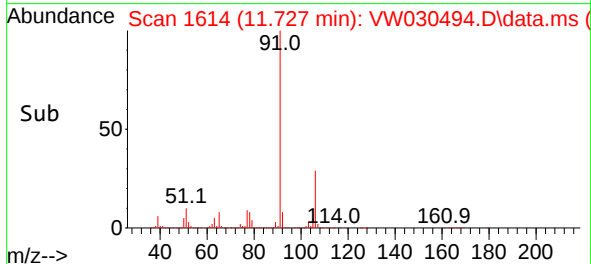
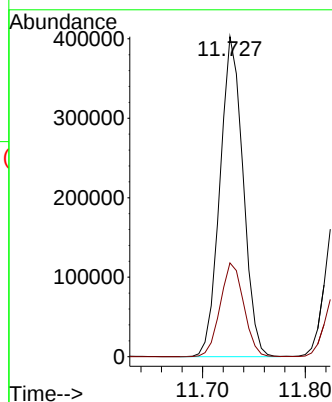
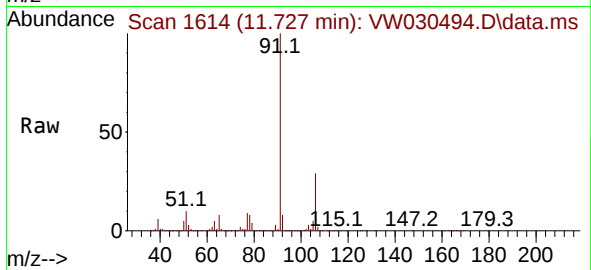




#52
Ethylbenzene
Concen: 22.262 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

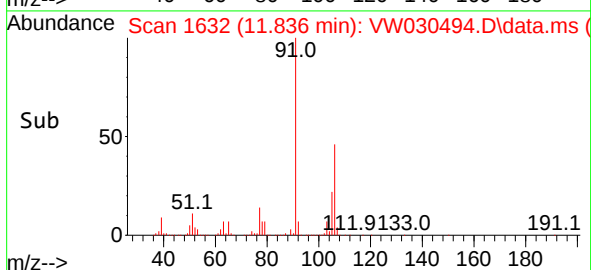
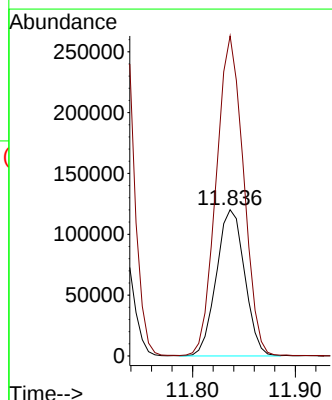
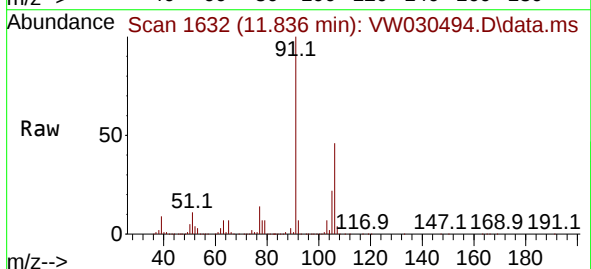
Instrument :
MSVOA_W
ClientSampleId :
A4EN5

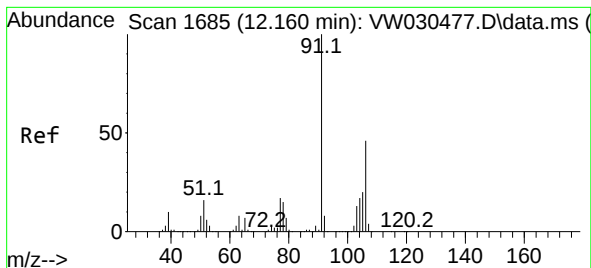
Tgt Ion: 91 Resp: 629018
Ion Ratio Lower Upper
91 100
106 29.3 21.1 39.1



#53
m,p-Xylene
Concen: 21.719 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

Tgt Ion: 106 Resp: 229901
Ion Ratio Lower Upper
106 100
91 218.8 140.6 261.2





#54

o-Xylene

Concen: 22.493 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

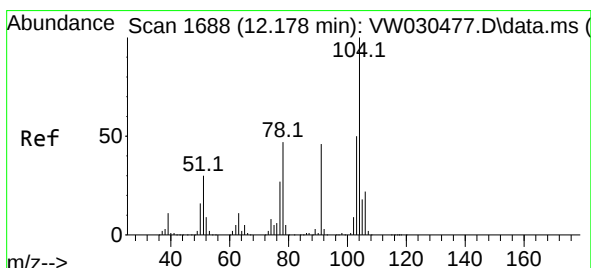
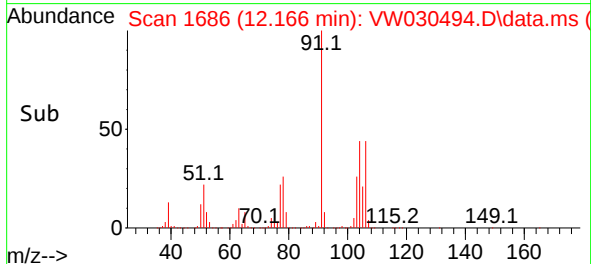
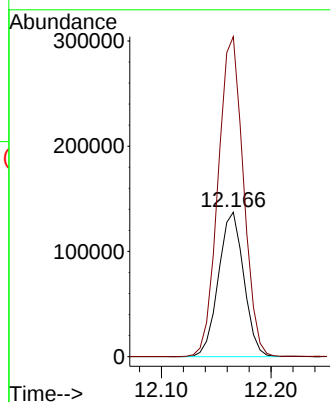
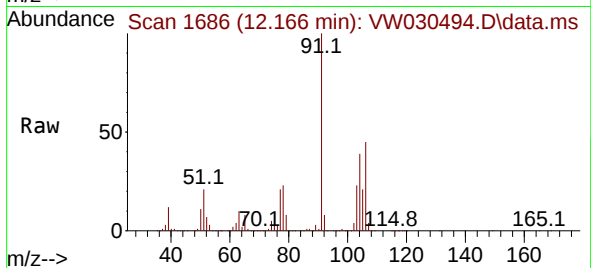
A4EN5

Tgt Ion:106 Resp: 220127

Ion Ratio Lower Upper

106 100

91 221.5 144.5 268.4



#55

Styrene

Concen: 22.663 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW030494.D

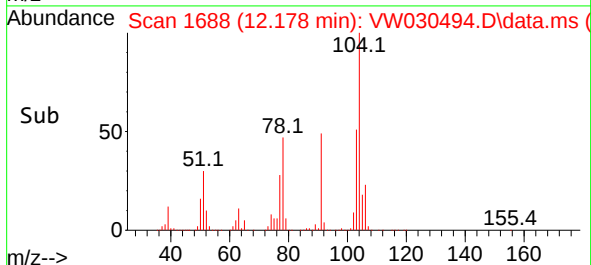
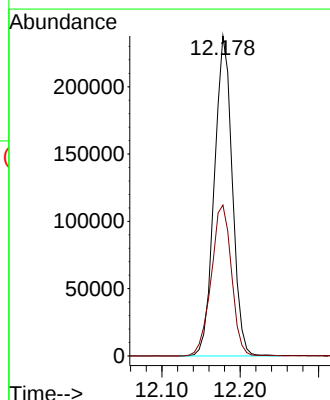
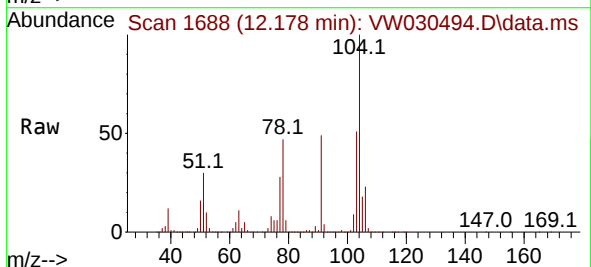
Acq: 09 Oct 2024 23:35

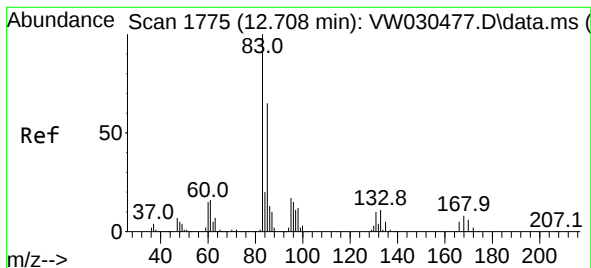
Tgt Ion:104 Resp: 379157

Ion Ratio Lower Upper

104 100

78 47.1 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 21.456 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

A4EN5

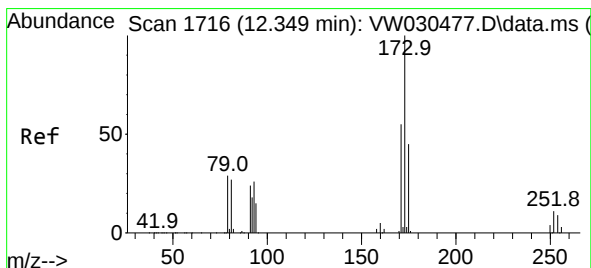
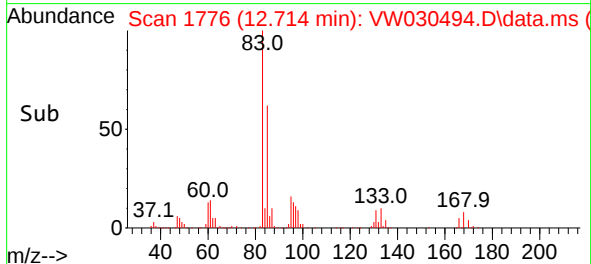
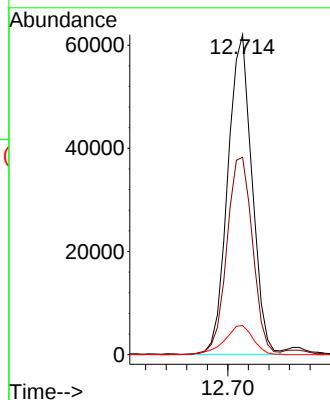
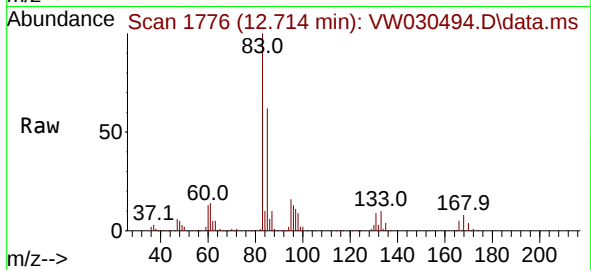
Tgt Ion: 83 Resp: 101369

Ion Ratio Lower Upper

83 100

85 61.7 42.6 79.2

131 9.1 7.4 11.0



#59

Bromoform

Concen: 23.239 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

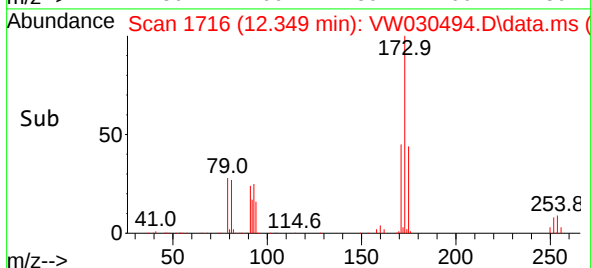
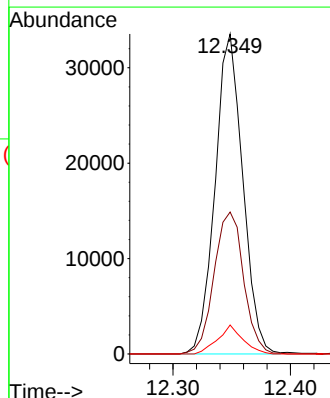
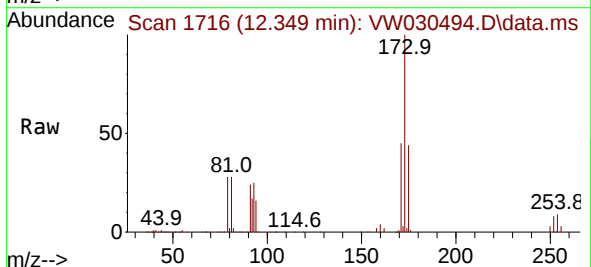
Tgt Ion: 173 Resp: 54923

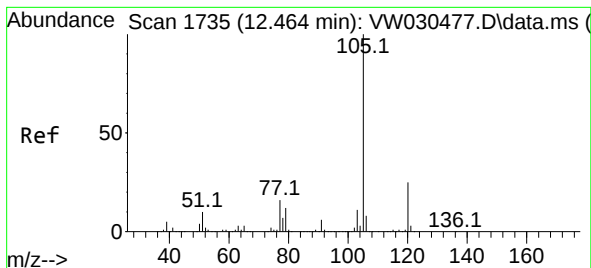
Ion Ratio Lower Upper

173 100

175 47.3 39.0 58.4

254 8.2 7.7 11.5





#60

Isopropylbenzene

Concen: 23.648 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

A4EN5

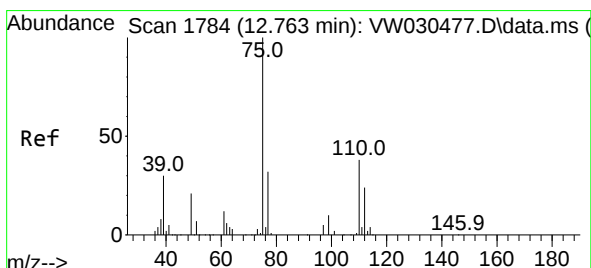
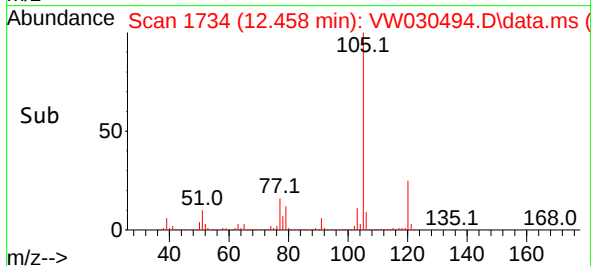
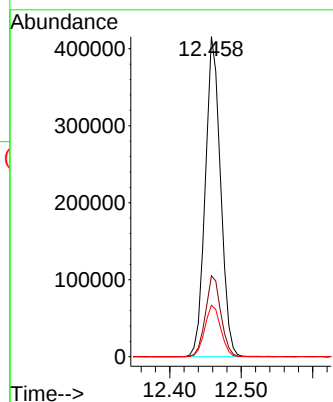
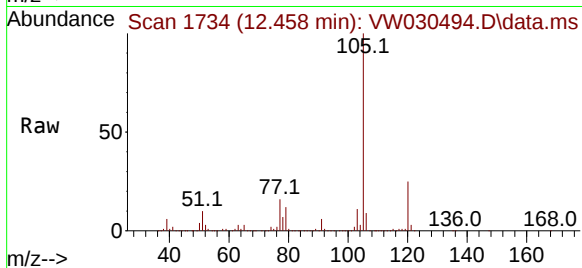
Tgt Ion:105 Resp: 616054

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

77 16.7 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 22.008 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

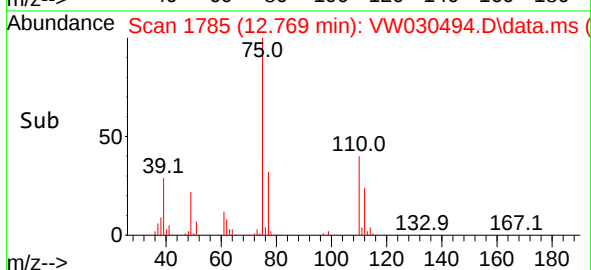
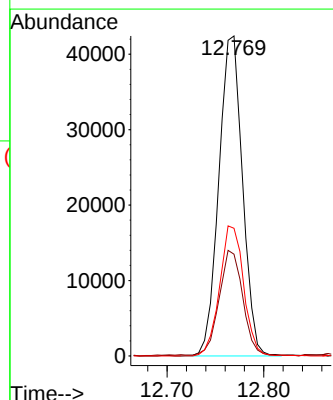
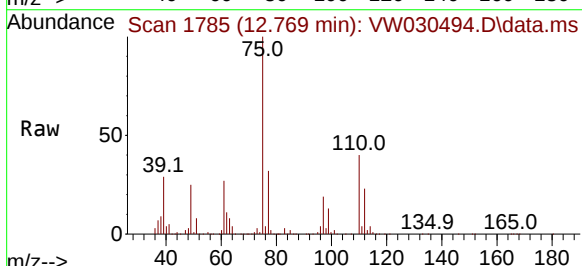
Tgt Ion: 75 Resp: 72040

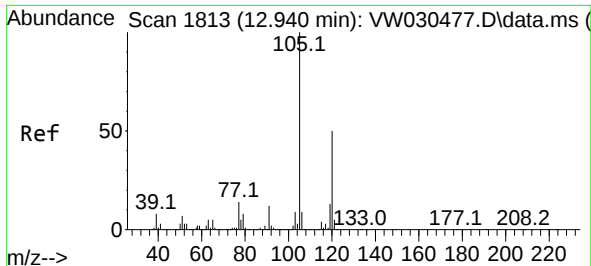
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

110 41.1 32.3 48.5

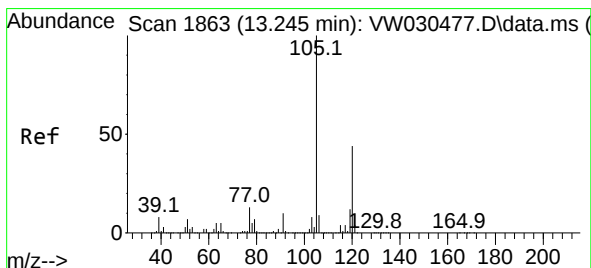
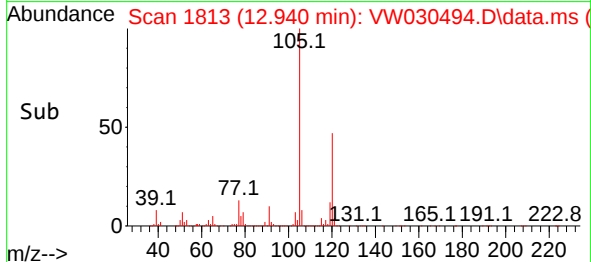
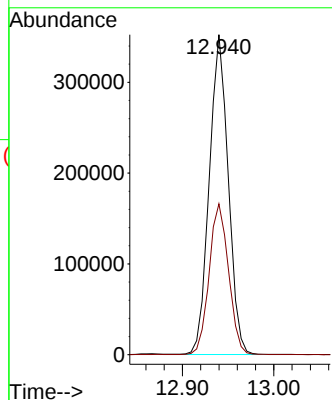
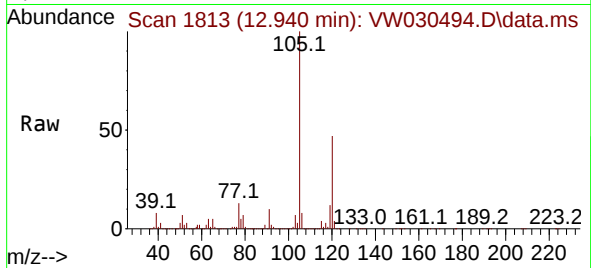




#62
1,3,5-Trimethylbenzene
Concen: 24.704 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

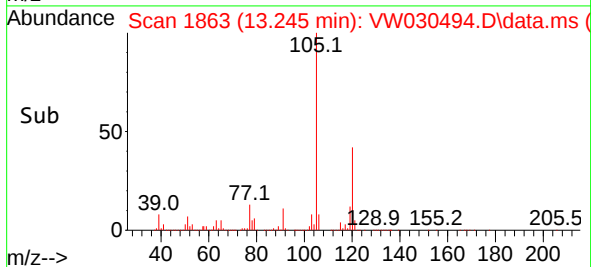
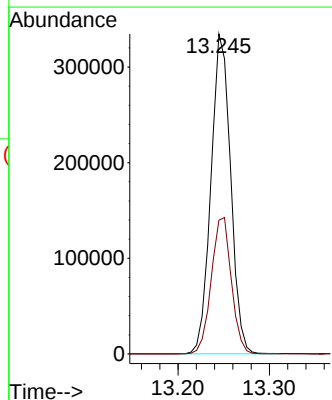
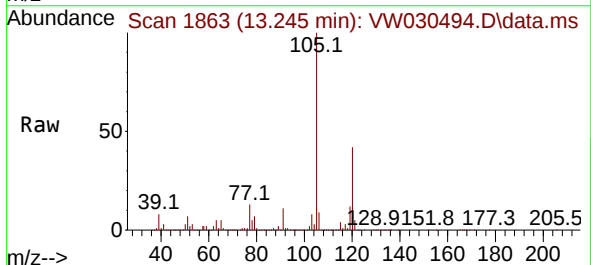
Instrument :
MSVOA_W
ClientSampleId :
A4EN5

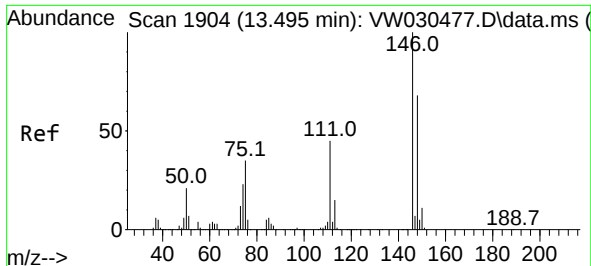
Tgt Ion:105 Resp: 507716
Ion Ratio Lower Upper
105 100
120 48.3 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 24.854 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

Tgt Ion:105 Resp: 500120
Ion Ratio Lower Upper
105 100
120 43.4 35.8 53.6

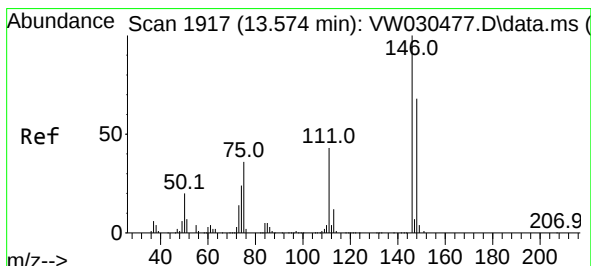
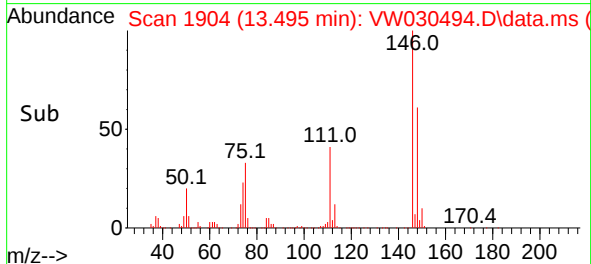
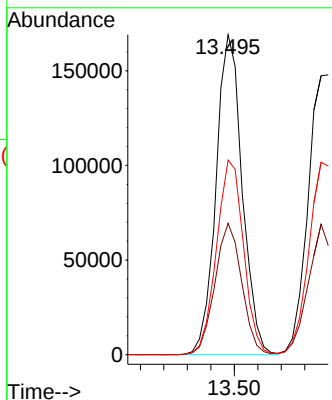
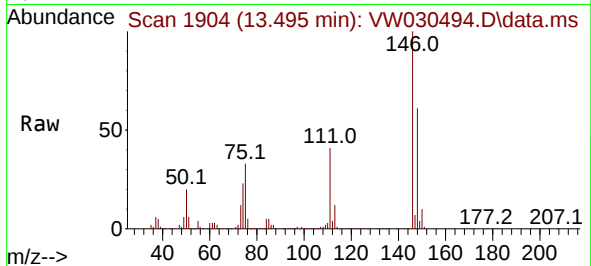




#64
1,3-Dichlorobenzene
Concen: 23.113 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

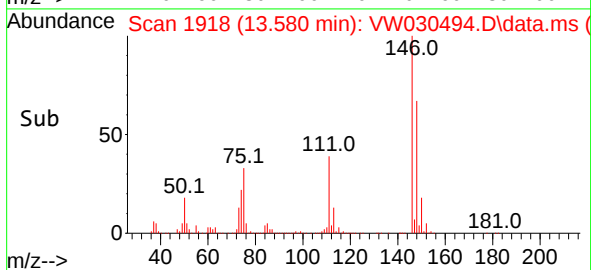
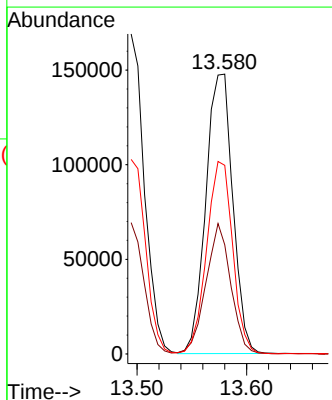
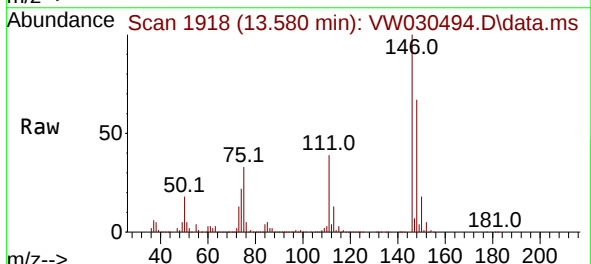
Instrument :
MSVOA_W
ClientSampleId :
A4EN5

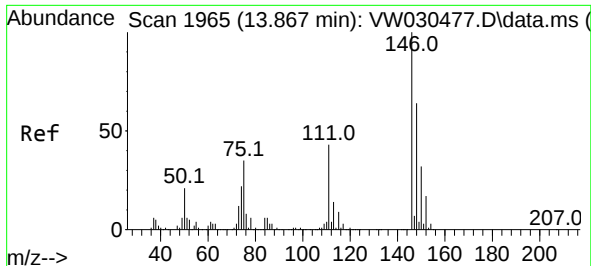
Tgt Ion:146 Resp: 262081
Ion Ratio Lower Upper
146 100
111 41.1 31.2 58.0
148 60.8 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 21.593 ug/L
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

Tgt Ion:146 Resp: 252820
Ion Ratio Lower Upper
146 100
111 39.0 26.8 49.8
148 67.4 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 22.997 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

A4EN5

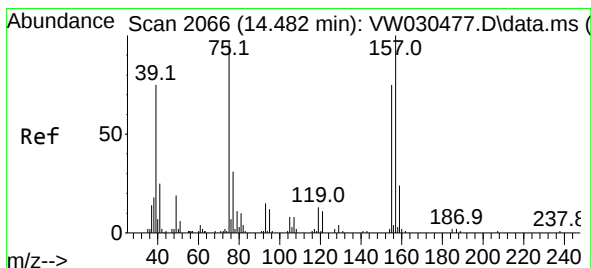
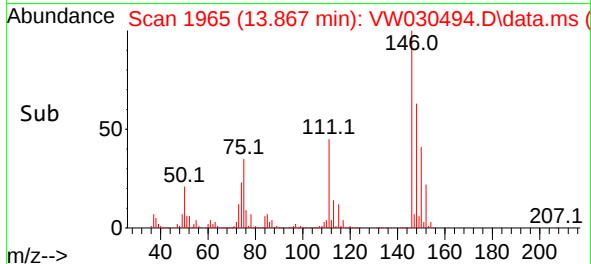
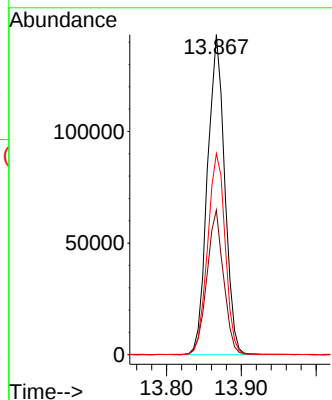
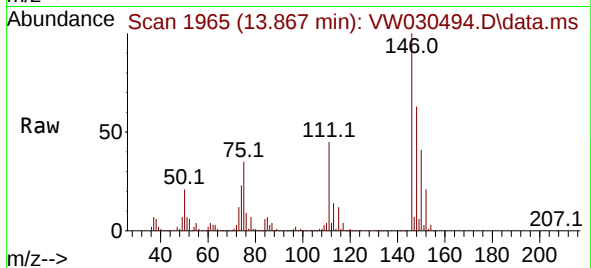
Tgt Ion:146 Resp: 229461

Ion Ratio Lower Upper

146 100

111 45.2 34.6 52.0

148 62.9 53.3 79.9



#68

1,2-Dibromo-3-chloropropane

Concen: 22.123 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

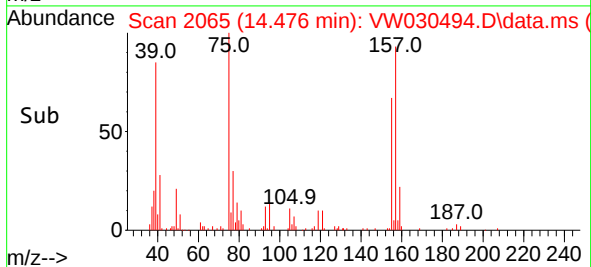
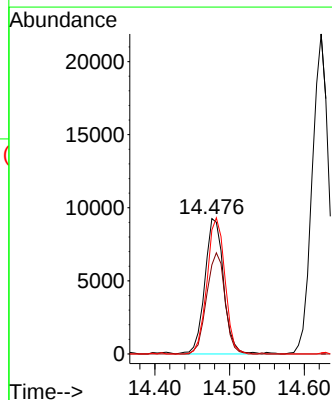
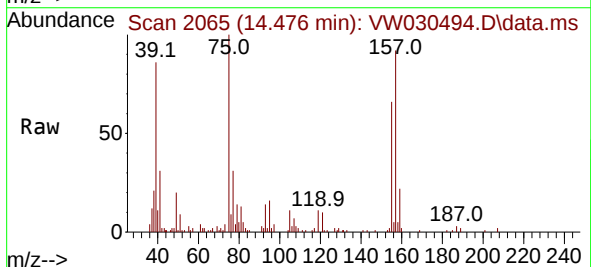
Tgt Ion: 75 Resp: 16147

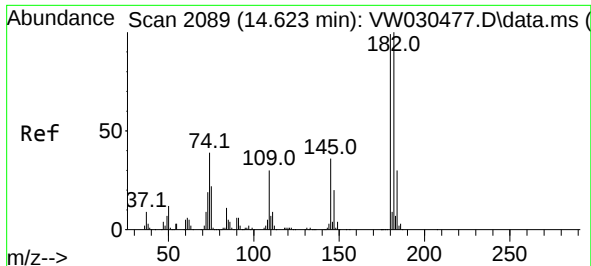
Ion Ratio Lower Upper

75 100

155 65.9 57.9 86.9

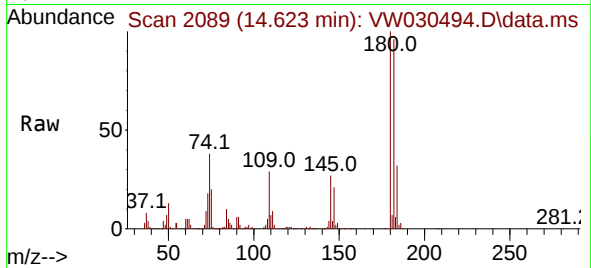
157 91.7 69.0 103.6



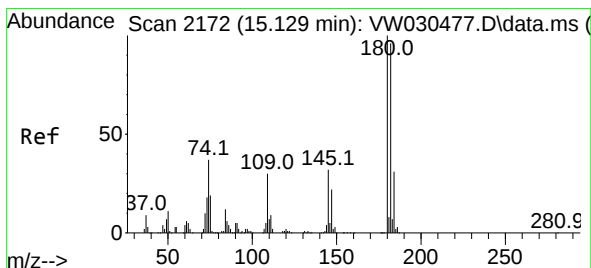
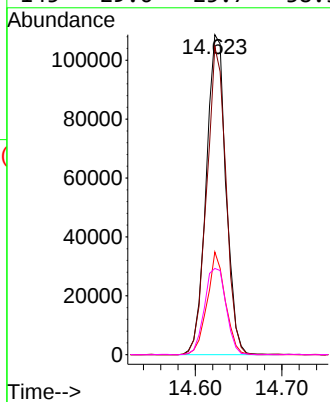
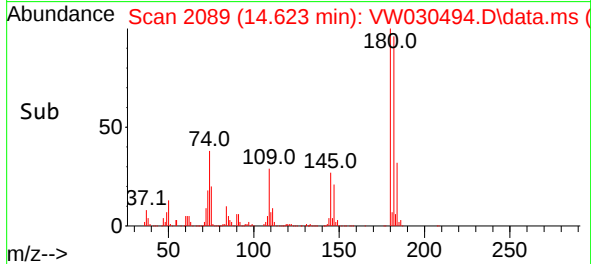


#69
1,3,5-Trichlorobenzene
Concen: 23.043 ug/L
RT: 14.623 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35

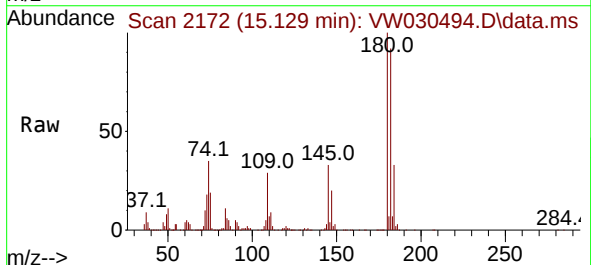
Instrument :
MSVOA_W
ClientSampleId :
A4EN5



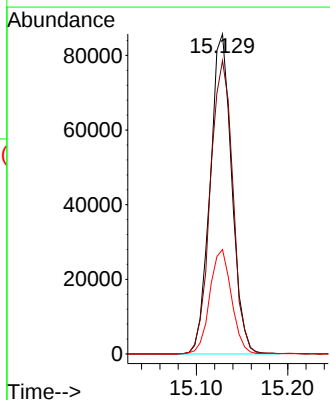
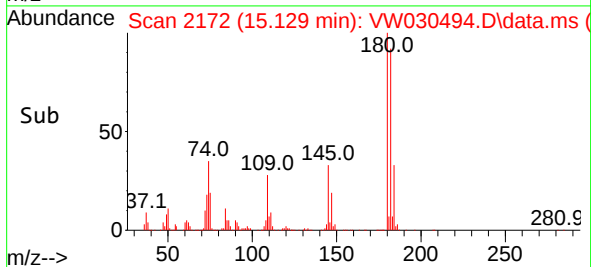
Tgt Ion:180 Resp: 172300
Ion Ratio Lower Upper
180 100
182 94.0 79.9 119.9
184 29.4 25.2 37.8
145 29.6 25.7 38.5

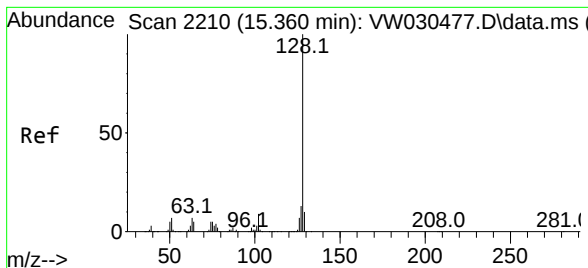


#70
1,2,4-trichlorobenzene
Concen: 23.425 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW030494.D
Acq: 09 Oct 2024 23:35



Tgt Ion:180 Resp: 141008
Ion Ratio Lower Upper
180 100
182 95.4 75.2 112.8
145 32.8 25.4 38.2





#71

Naphthalene

Concen: 25.009 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Instrument :

MSVOA_W

ClientSampleId :

A4EN5

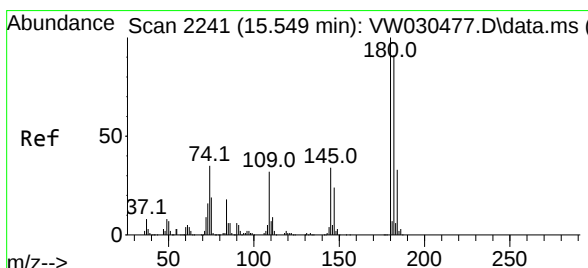
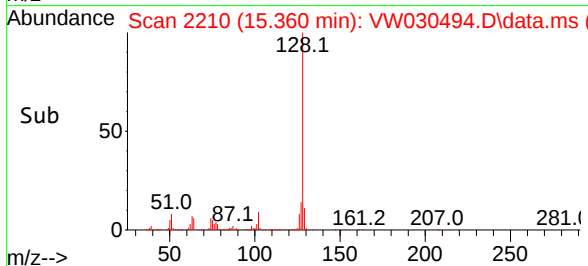
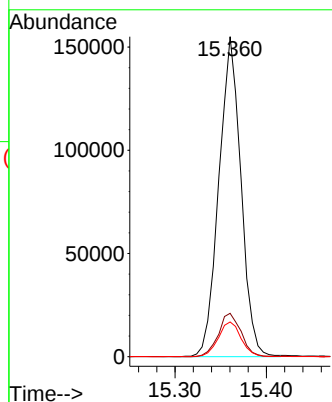
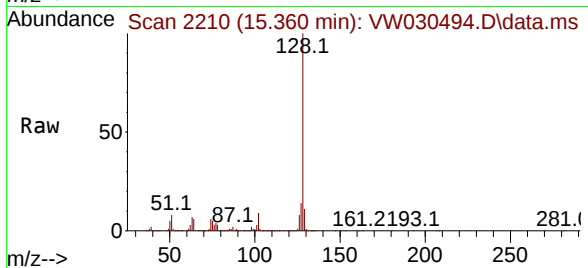
Tgt Ion:128 Resp: 260091

Ion Ratio Lower Upper

128 100

127 13.9 10.9 16.3

129 11.2 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 22.972 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW030494.D

Acq: 09 Oct 2024 23:35

Tgt Ion:180 Resp: 119877

Ion Ratio Lower Upper

180 100

182 93.3 76.2 114.4

145 33.8 27.4 41.2

