

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071924\
 Data File : VW029650.D
 Acq On : 19 Jul 2024 12:47
 Operator : SY/MD
 Sample : P3265-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 23:27:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jul 19 23:16:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	218747	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	199250	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	98407	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	60465	17.111	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.440%
7) Chloroethane-d5	2.893	69	50299	19.768	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.080%
11) 1,1-Dichloroethene-d2	4.015	65	30451	19.190	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.760%
21) 2-Butanone-d5	7.075	46	42082	39.671	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.340%
24) Chloroform-d	7.648	84	161133	25.480	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.920%
26) 1,2-Dichloroethane-d4	8.404	65	127	0.034	ug/L	0.10
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.120%#
32) Benzene-d6	8.276	84	254573	21.328	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.320%
36) 1,2-Dichloropropane-d6	9.270	67	84287	22.085	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.360%
41) Toluene-d8	10.319	98	234239	22.314	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.240%
43) trans-1,3-Dichloroprop...	10.575	79	32456	20.083	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.320%
47) 2-Hexanone-d5	10.922	63	27652	39.874	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.740%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	69094	22.298	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	13.848	152	70224	20.491	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.960%
Target Compounds						
					Qvalue	
13) Acetone	4.118	43	69200	64.633	ug/L	99
16) Methylene chloride	4.923	84	278718	71.169	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	97314	32.315	ug/L	94
18) Methyl tert-butyl Ether	5.423	73	224525	43.820	ug/L	100
19) 1,1-Dichloroethane	6.216	63	593602	95.983	ug/L	98
22) 2-Butanone	7.167	43	270339	192.335	ug/L	95
25) Chloroform	7.673	83	578826	96.731	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	3612	0.794	ug/L	96
31) Carbon tetrachloride	8.069	117	74729	17.934	ug/L	100
33) Benzene	8.325	78	905524	72.637	ug/L	100
34) Trichloroethene	9.093	95	340391	103.397	ug/L	96
37) 1,2-Dichloropropane	9.368	63	139625	40.502	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	341332	65.922	ug/L	99
40) 4-Methyl-2-pentanone	10.203	43	349214	143.735	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	322757	72.728	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	121483	49.000	ug/L	98
46) Tetrachloroethene	10.867	164	1065	0.455	ug/L	90
50) 1,2-Dibromoethane	11.233	107	106271	44.980	ug/L	100
53) m,p-Xylene	11.831	106	291729	54.998	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071924\
Data File : VW029650.D
Acq On : 19 Jul 2024 12:47
Operator : SY/MD
Sample : P3265-01
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 19 23:27:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jul 19 23:16:32 2024
Response via : Initial Calibration

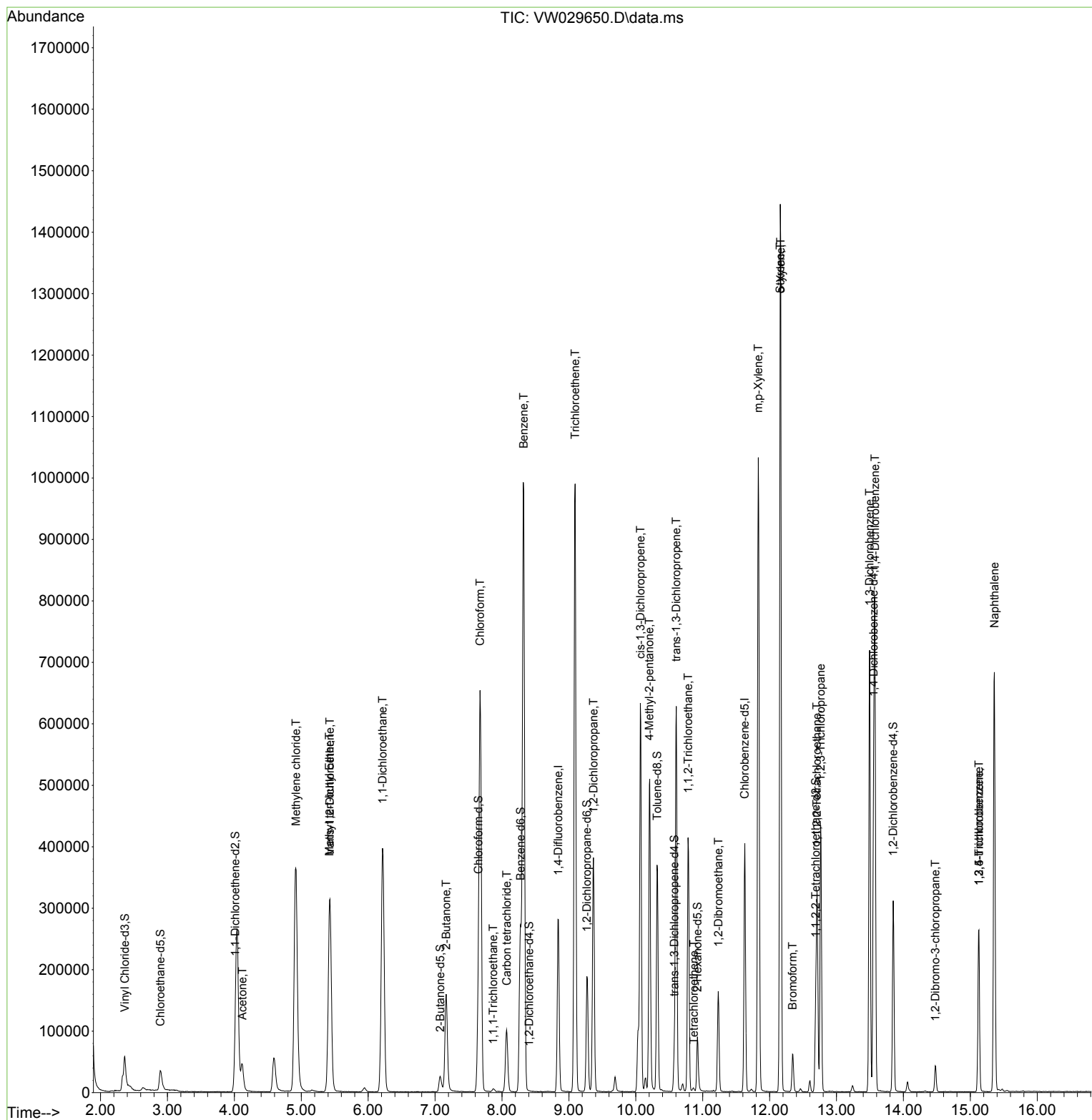
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.166	106	361185	73.619	ug/L	98
55) Styrene	12.160	104	18358	2.128	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.708	83	147288	47.097	ug/L	99
59) Bromoform	12.343	173	25925	17.067	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	175107	73.525	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	261627	42.155	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	267640	42.094	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.476	75	11125	19.540	ug/L	95
69) 1,3,5-Trichlorobenzene	15.129	180	75206	18.575	ug/L	100
70) 1,2,4-trichlorobenzene	15.129	180	75206	21.110	ug/L	96
71) Naphthalene	15.360	128	529348	70.793	ug/L	99

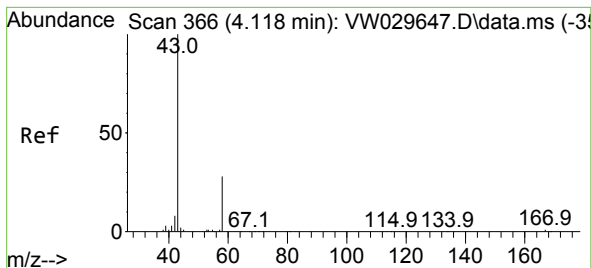
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071924\
Data File : VW029650.D
Acq On : 19 Jul 2024 12:47
Operator : SY/MD
Sample : P3265-01
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 19 23:27:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jul 19 23:16:32 2024
Response via : Initial Calibration





#13

Acetone

Concen: 64.633 ug/L

RT: 4.118 min Scan# 3

Delta R.T. 0.000 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Instrument :

MSVOA_W

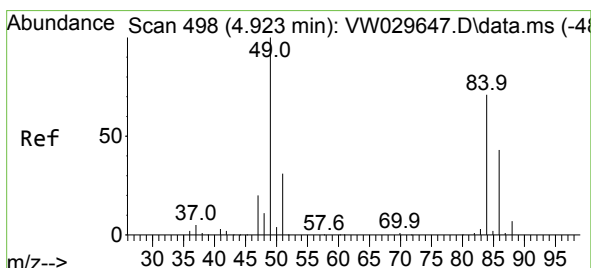
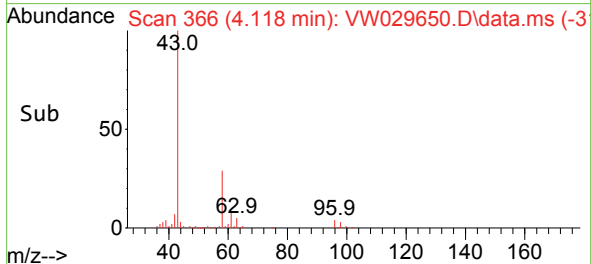
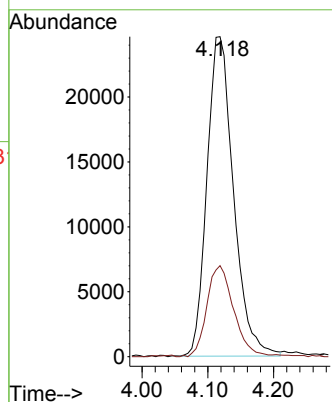
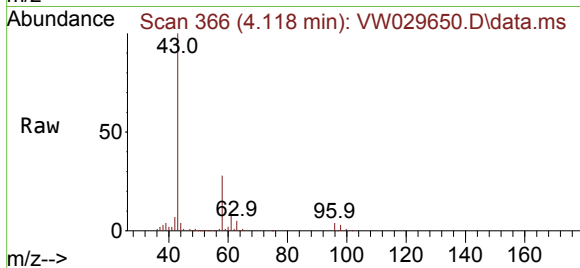
ClientSampleId :

Tgt Ion: 43 Resp: 69200

Ion Ratio Lower Upper

43 100

58 28.5 0.0 55.6



#16

Methylene chloride

Concen: 71.169 ug/L

RT: 4.923 min Scan# 498

Delta R.T. 0.000 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

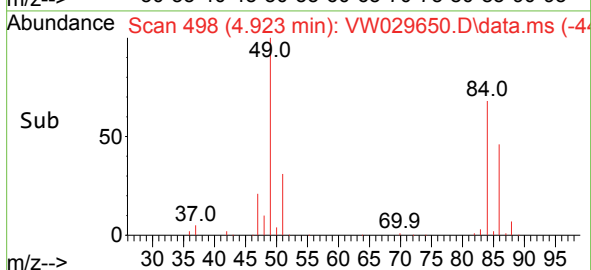
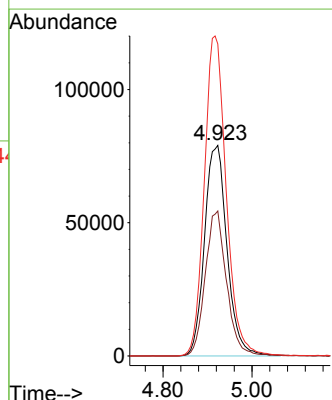
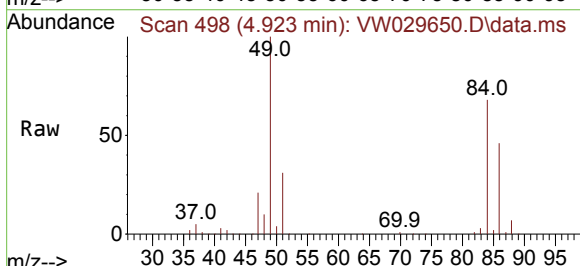
Tgt Ion: 84 Resp: 278718

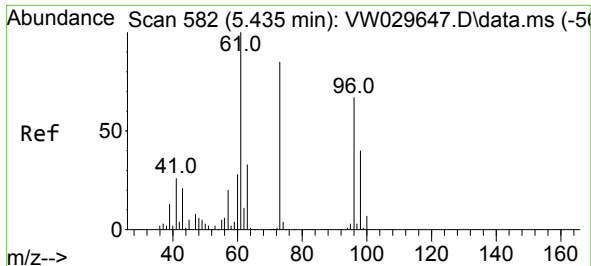
Ion Ratio Lower Upper

84 100

86 68.8 46.2 85.8

49 148.1 96.7 179.7





#17

trans-1,2-Dichloroethene

Concen: 32.315 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Instrument :

MSVOA_W

ClientSampleId :

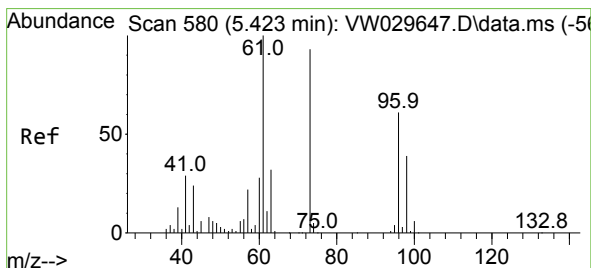
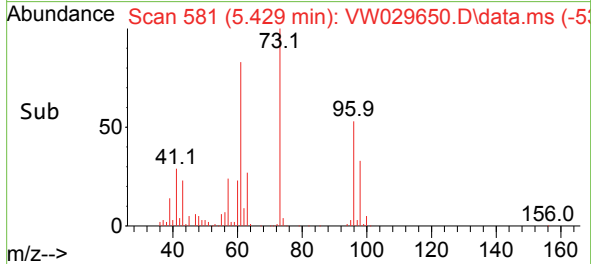
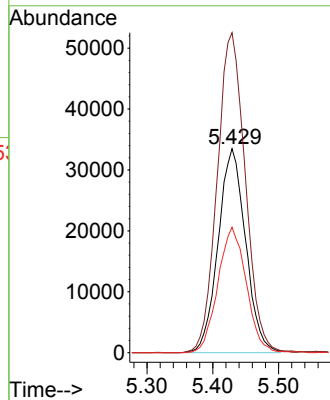
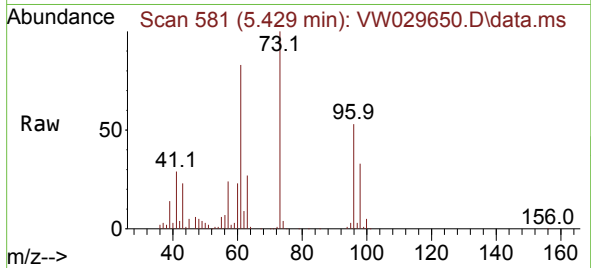
Tgt Ion: 96 Resp: 97314

Ion Ratio Lower Upper

96 100

61 156.8 102.9 191.1

98 61.5 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 43.820 ug/L

RT: 5.423 min Scan# 580

Delta R.T. 0.000 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

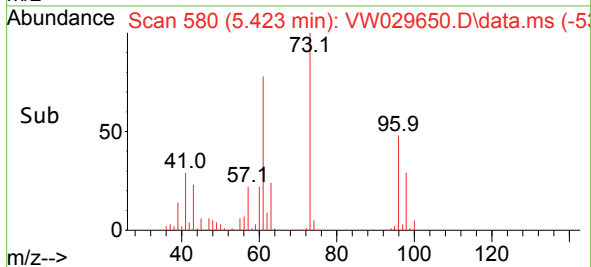
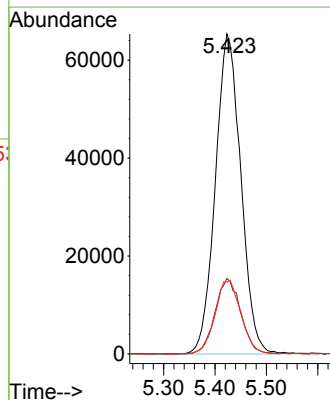
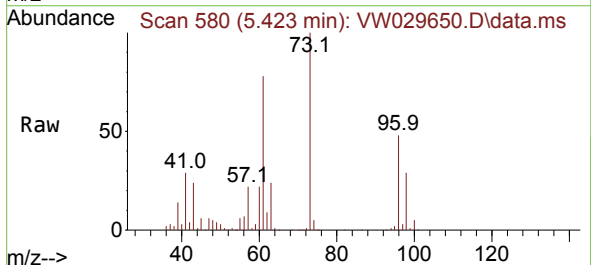
Tgt Ion: 73 Resp: 224525

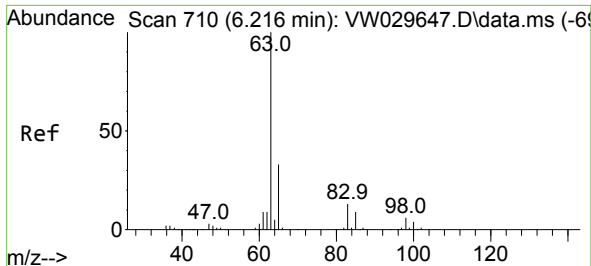
Ion Ratio Lower Upper

73 100

43 23.8 18.7 28.1

57 23.5 18.9 28.3





#19

1,1-Dichloroethane

Concen: 95.983 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Instrument :

MSVOA_W

ClientSampleId :

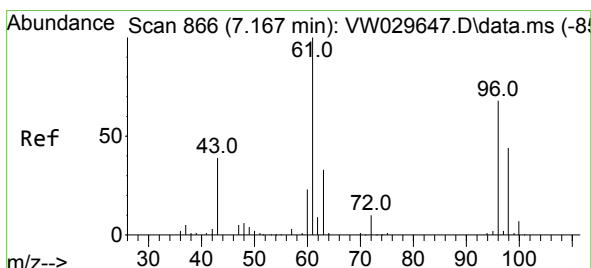
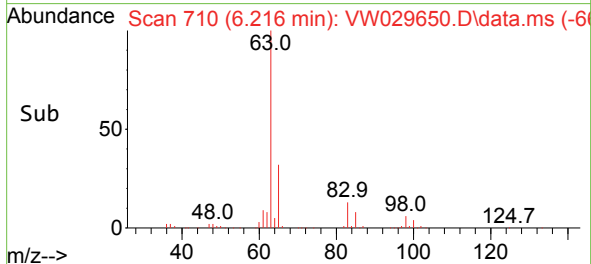
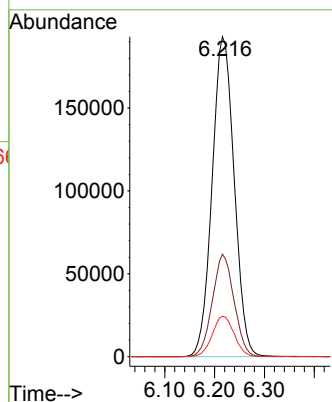
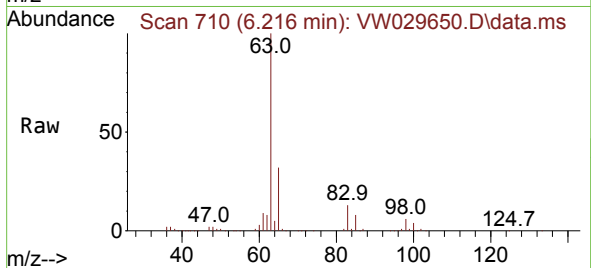
Tgt Ion: 63 Resp: 593602

Ion Ratio Lower Upper

63 100

65 32.0 21.5 39.9

83 12.6 8.7 16.1



#22

2-Butanone

Concen: 192.335 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW029650.D

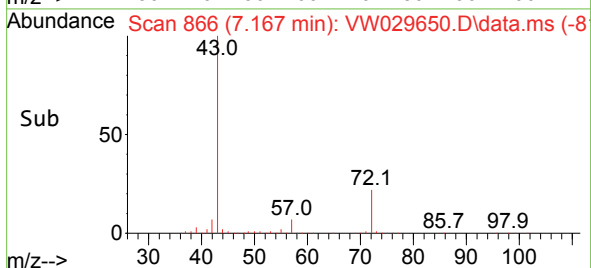
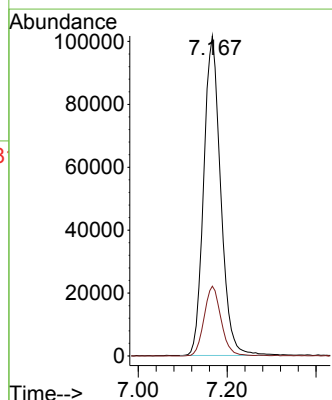
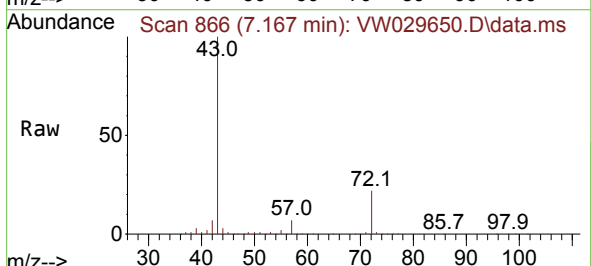
Acq: 19 Jul 2024 12:47

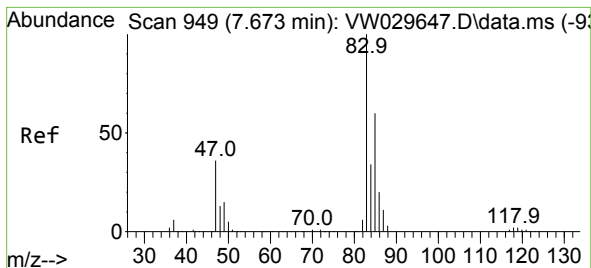
Tgt Ion: 43 Resp: 270339

Ion Ratio Lower Upper

43 100

72 21.9 12.0 36.1





#25

Chloroform

Concen: 96.731 ug/L

RT: 7.673 min Scan# 949

Delta R.T. 0.000 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Instrument :

MSVOA_W

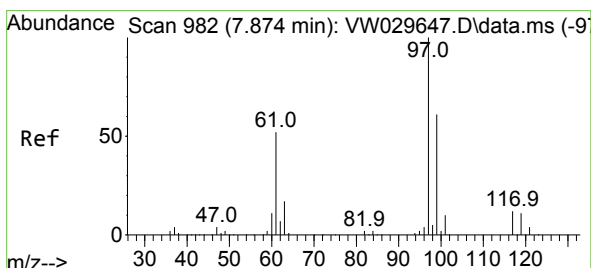
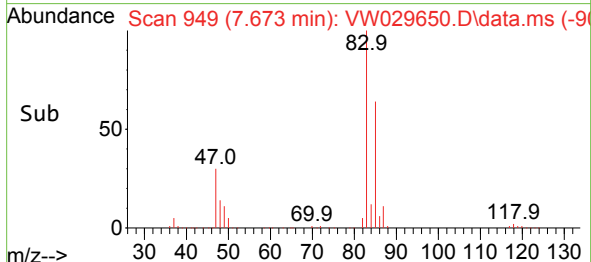
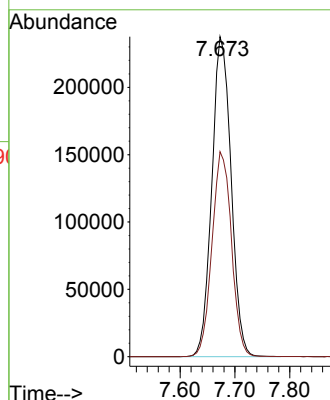
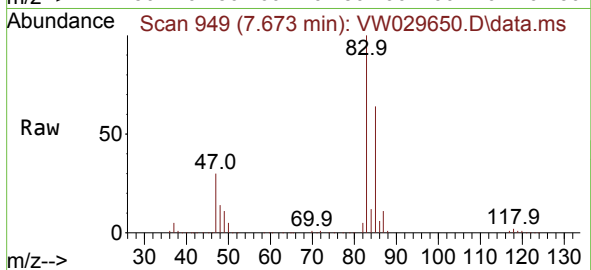
ClientSampleId :

Tgt Ion: 83 Resp: 578826

Ion Ratio Lower Upper

83 100

85 64.0 44.1 81.9



#30

1,1,1-Trichloroethane

Concen: 0.794 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

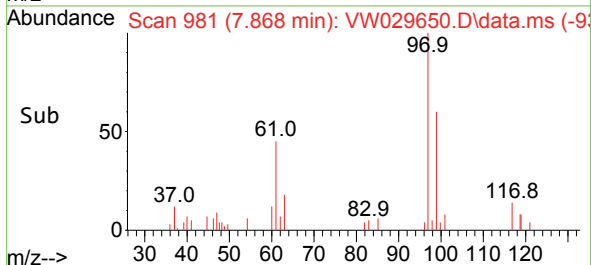
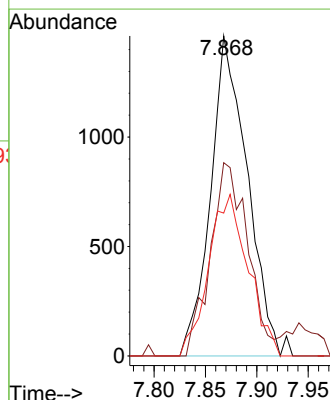
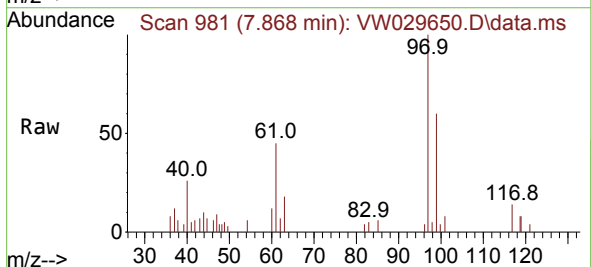
Tgt Ion: 97 Resp: 3612

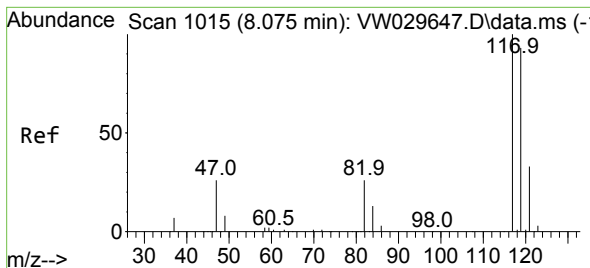
Ion Ratio Lower Upper

97 100

99 62.0 51.1 76.7

61 54.6 40.6 61.0

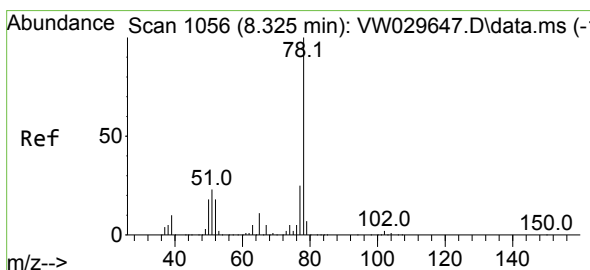
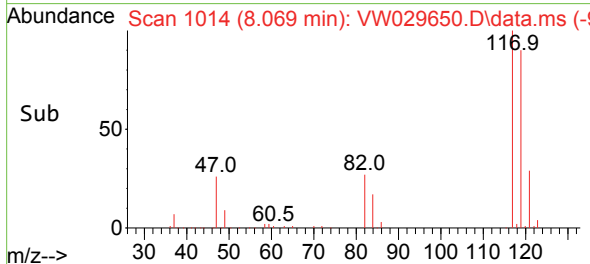
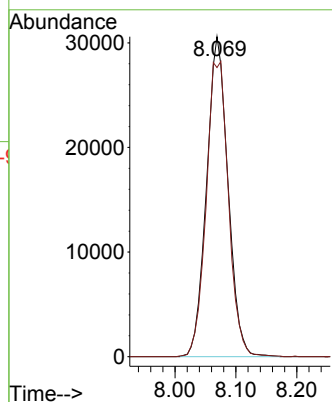
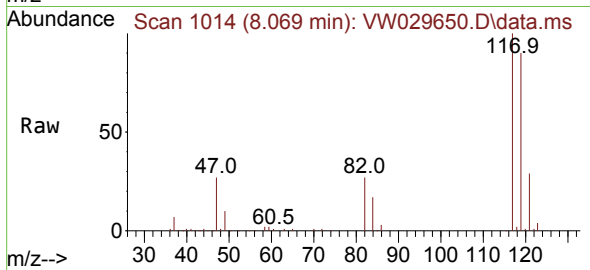




#31
Carbon tetrachloride
Concen: 17.934 ug/L
RT: 8.069 min Scan# 1015
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

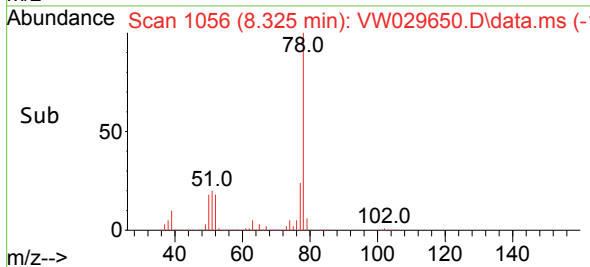
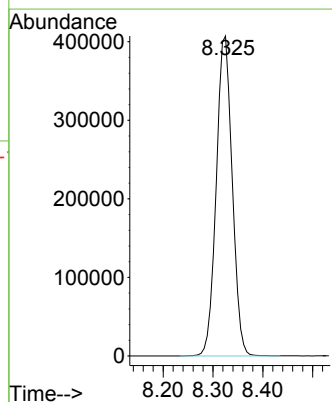
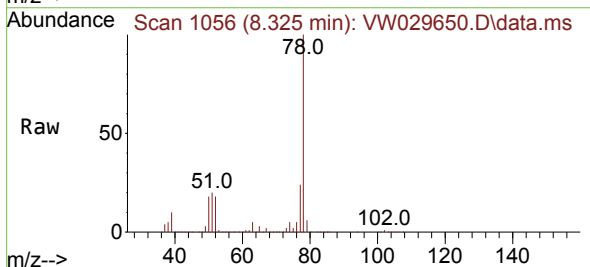
Instrument :
MSVOA_W
ClientSampleId :

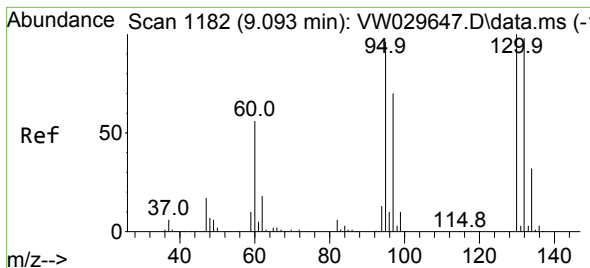
Tgt Ion:117 Resp: 74729
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.6



#33
Benzene
Concen: 72.637 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Tgt Ion: 78 Resp: 905524





#34

Trichloroethene

Concen: 103.397 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 340391

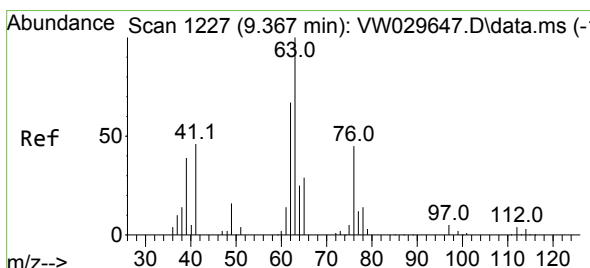
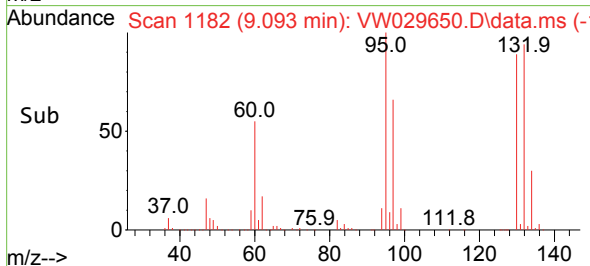
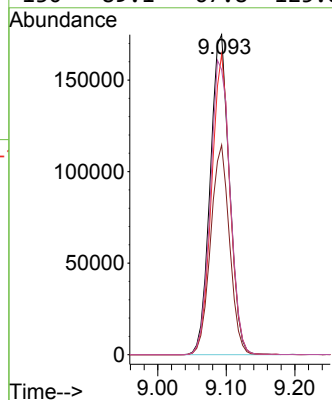
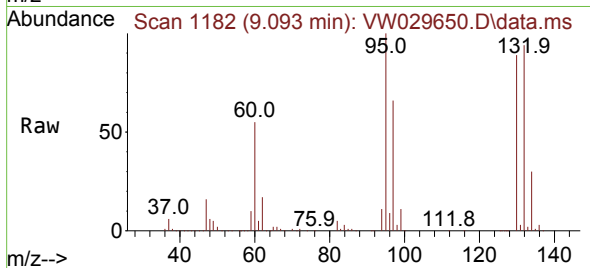
Ion Ratio Lower Upper

95 100

97 65.5 47.3 87.9

132 93.8 65.8 122.2

130 89.1 67.8 125.8



#37

1,2-Dichloropropane

Concen: 40.502 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW029650.D

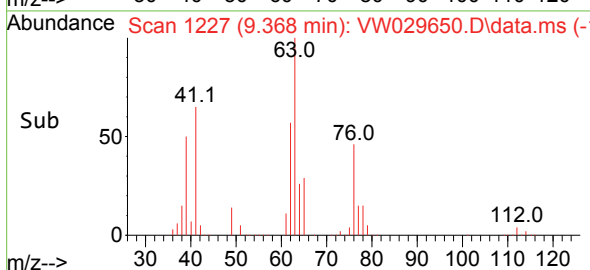
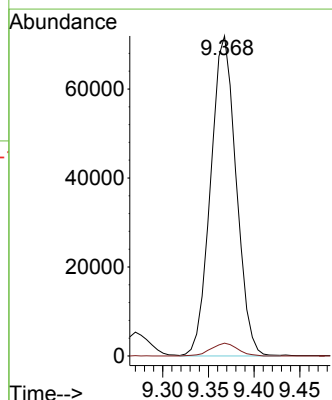
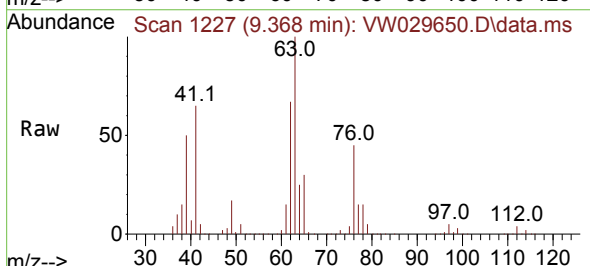
Acq: 19 Jul 2024 12:47

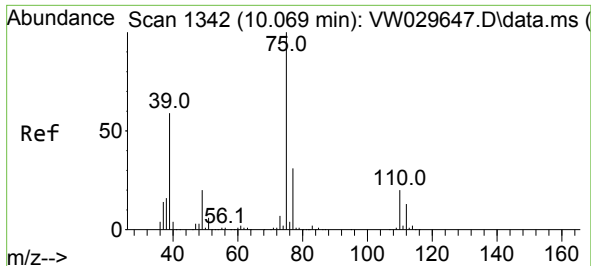
Tgt Ion: 63 Resp: 139625

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9





#39

cis-1,3-Dichloropropene

Concen: 65.922 ug/L

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Instrument :

MSVOA_W

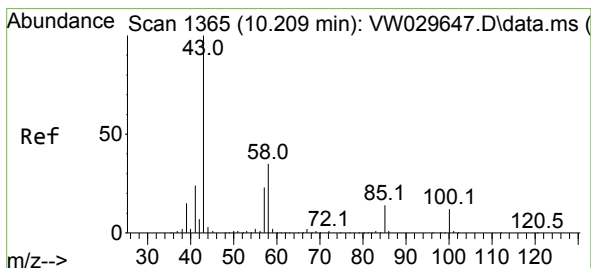
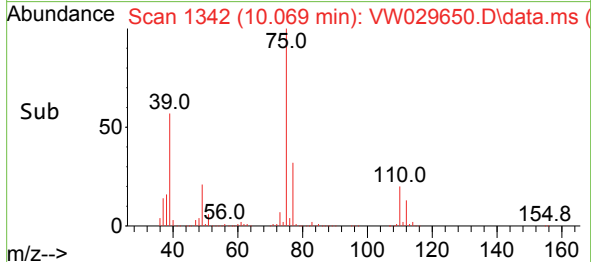
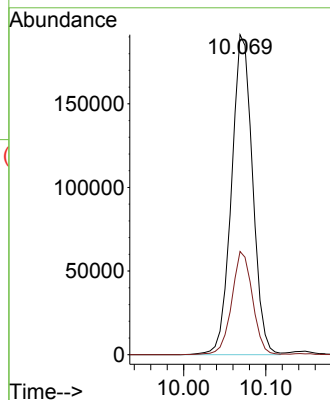
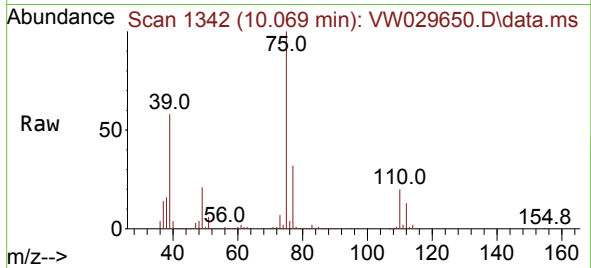
ClientSampleId :

Tgt Ion: 75 Resp: 341332

Ion Ratio Lower Upper

75 100

77 32.2 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 143.735 ug/L

RT: 10.203 min Scan# 1364

Delta R.T. -0.006 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

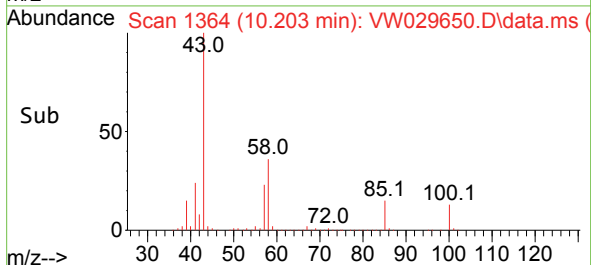
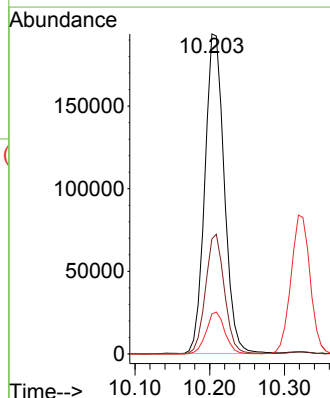
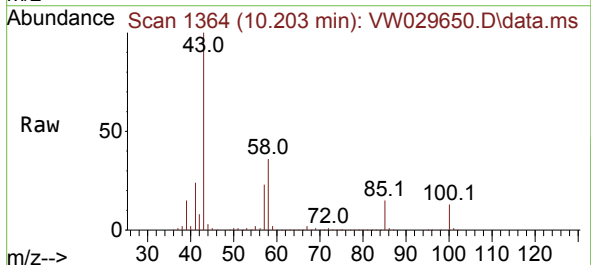
Tgt Ion: 43 Resp: 349214

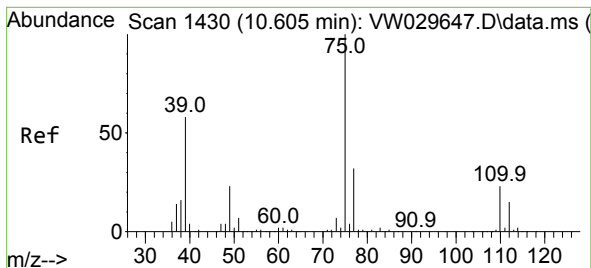
Ion Ratio Lower Upper

43 100

58 36.5 29.0 43.6

100 12.7 10.5 15.7

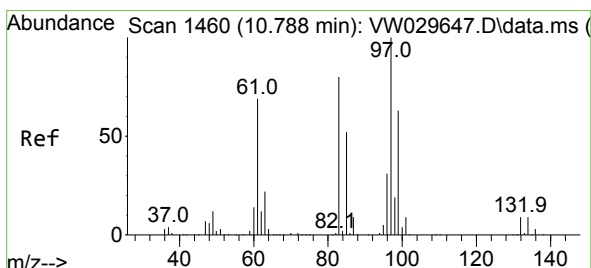
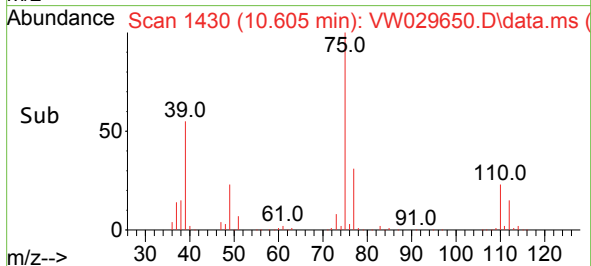
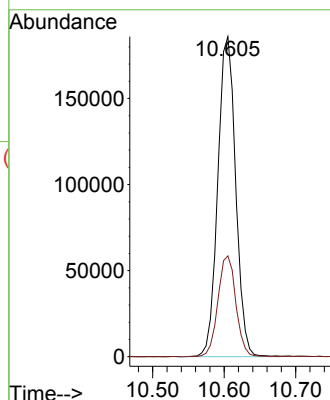
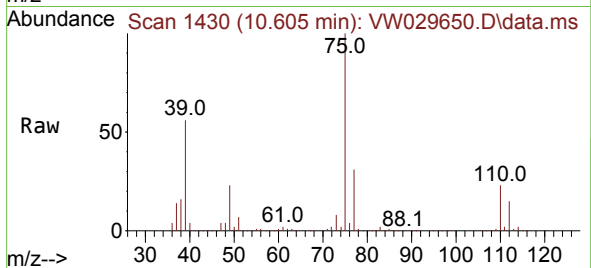




#44
trans-1,3-Dichloropropene
Concen: 72.728 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

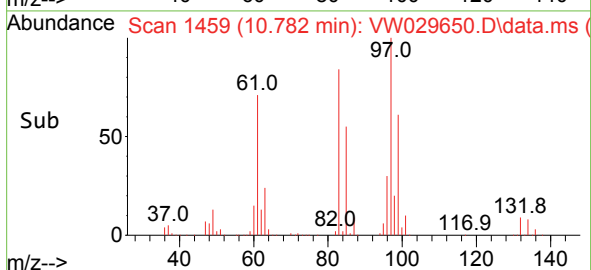
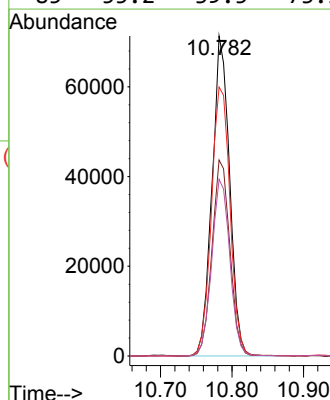
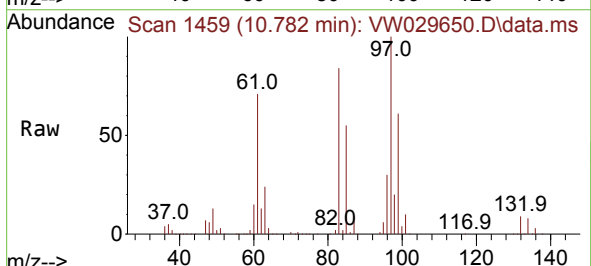
Instrument :
MSVOA_W
ClientSampleId :

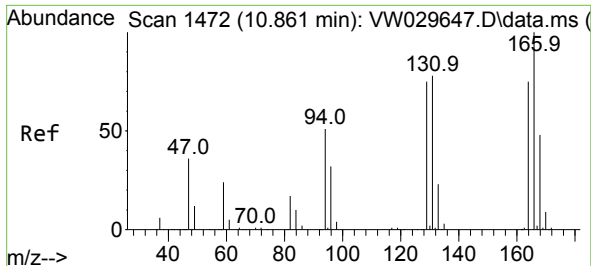
Tgt Ion: 75 Resp: 322757
Ion Ratio Lower Upper
75 100
77 31.5 22.4 41.6



#45
1,1,2-Trichloroethane
Concen: 49.000 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

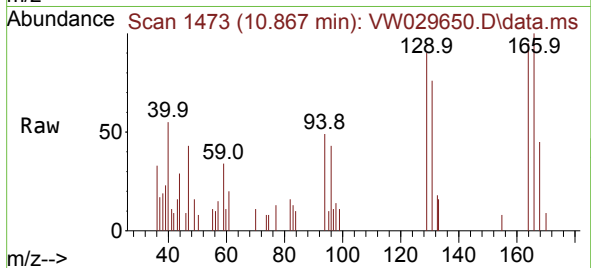
Tgt Ion: 97 Resp: 121483
Ion Ratio Lower Upper
97 100
99 61.2 43.8 81.4
83 84.0 60.3 111.9
85 55.2 39.5 73.3



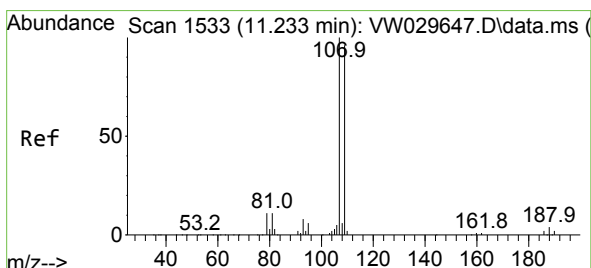
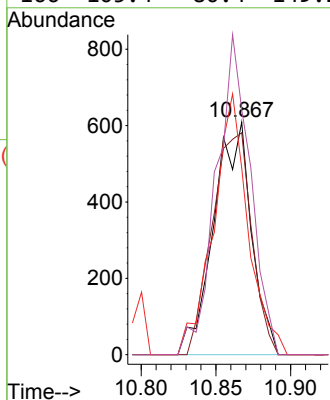
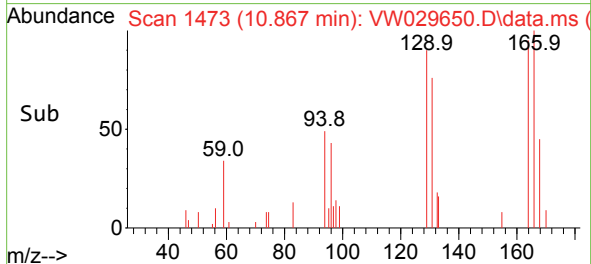


#46
Tetrachloroethene
Concen: 0.455 ug/L
RT: 10.867 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

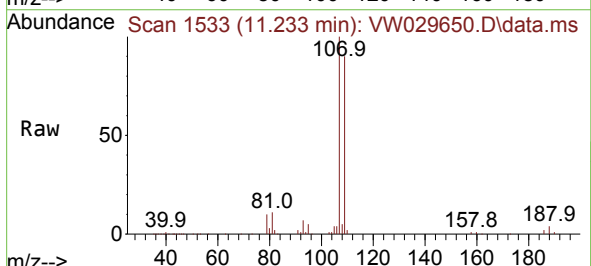
Instrument :
MSVOA_W
ClientSampleId :



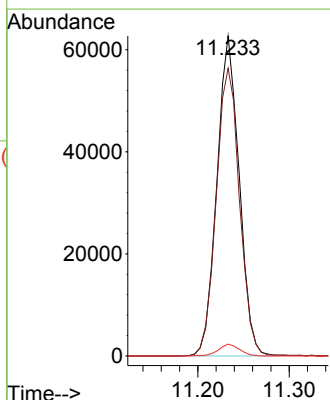
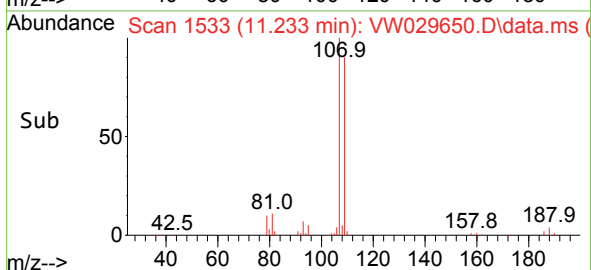
Tgt Ion:	164	Resp:	1065
Ion	Ratio	Lower	Upper
164	100		
129	95.4	60.0	111.4
131	80.3	64.6	120.0
166	105.4	80.4	149.2

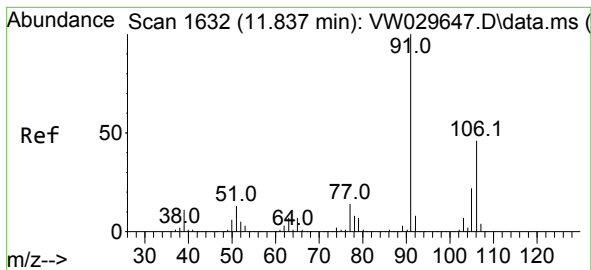


#50
1,2-Dibromoethane
Concen: 44.980 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47



Tgt Ion:	107	Resp:	106271
Ion	Ratio	Lower	Upper
107	100		
109	89.9	63.2	117.4
188	3.7	2.9	4.3





#53

m,p-Xylene

Concen: 54.998 ug/L

RT: 11.831 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Instrument :

MSVOA_W

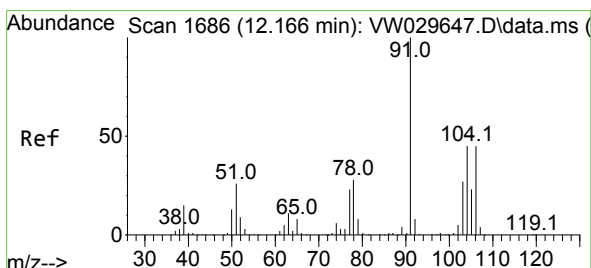
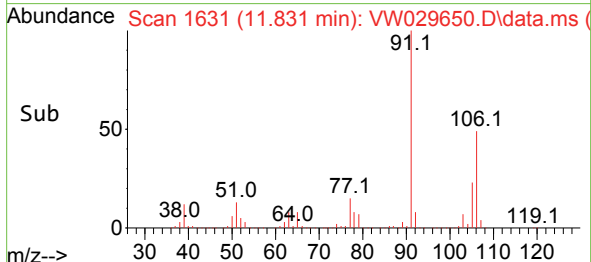
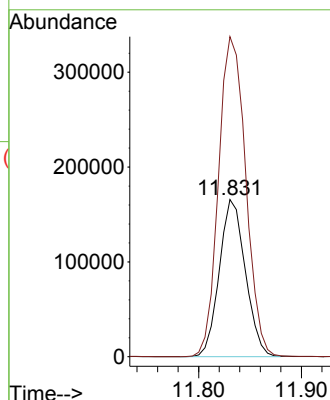
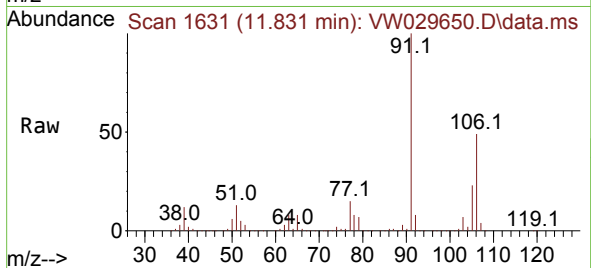
ClientSampleId :

Tgt Ion:106 Resp: 291729

Ion Ratio Lower Upper

106 100

91 203.6 149.3 277.3



#54

o-Xylene

Concen: 73.619 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VW029650.D

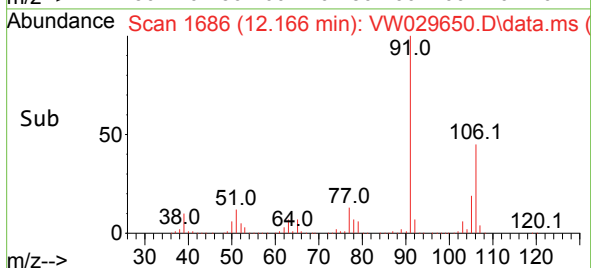
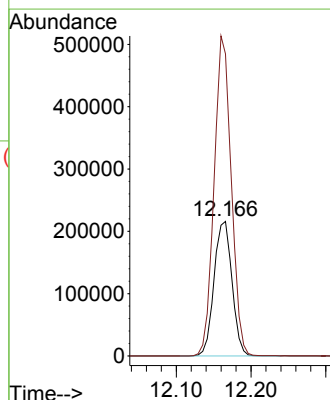
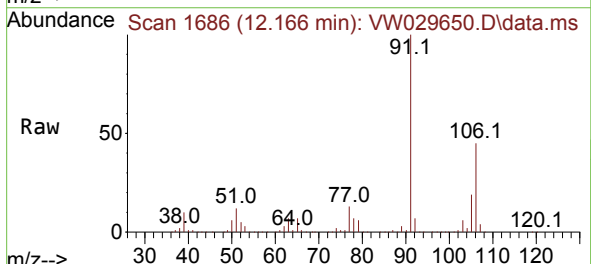
Acq: 19 Jul 2024 12:47

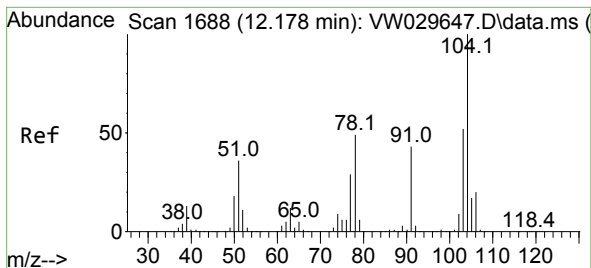
Tgt Ion:106 Resp: 361185

Ion Ratio Lower Upper

106 100

91 224.4 159.2 295.6





#55

Styrene

Concen: 2.128 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.018 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Instrument :

MSVOA_W

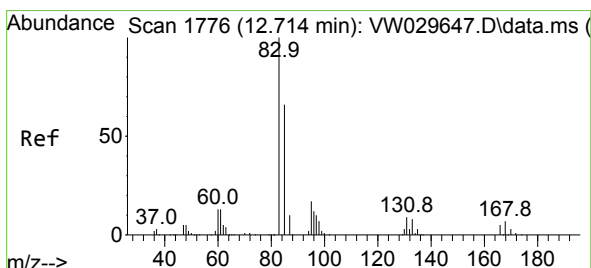
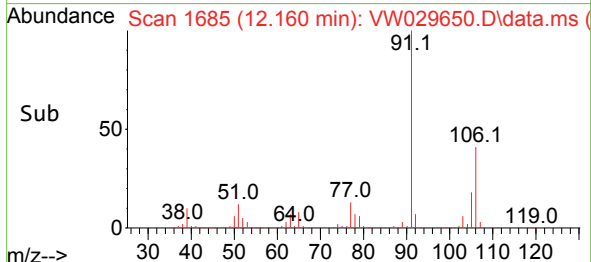
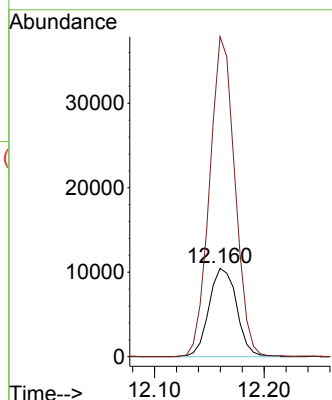
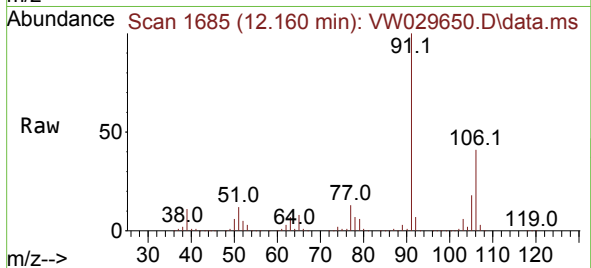
ClientSampleId :

Tgt Ion:104 Resp: 18358

Ion Ratio Lower Upper

104 100

78 362.1 34.7 64.5#



#57

1,1,2,2-Tetrachloroethane

Concen: 47.097 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

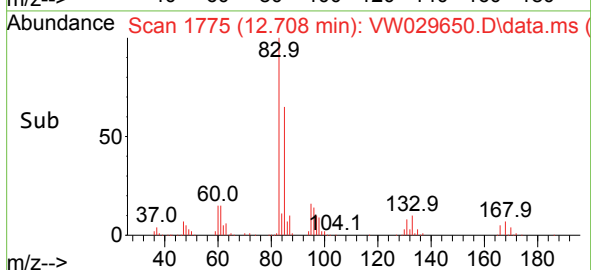
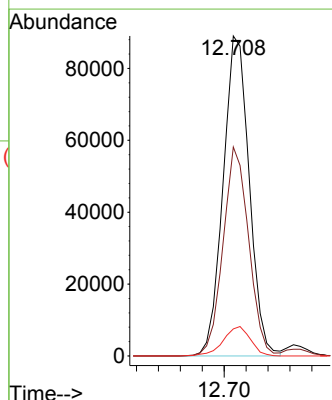
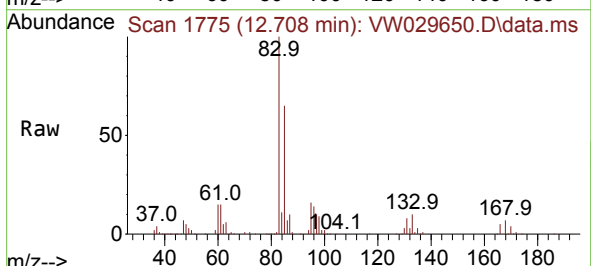
Tgt Ion: 83 Resp: 147288

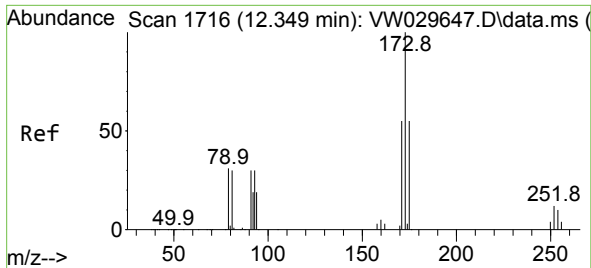
Ion Ratio Lower Upper

83 100

85 65.3 45.4 84.4

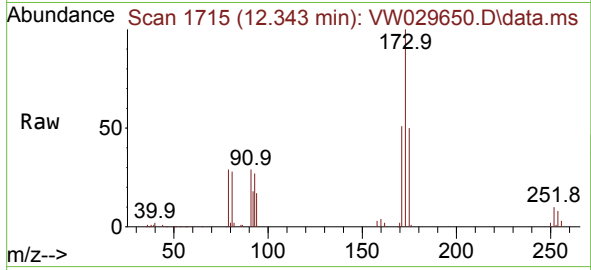
131 8.4 6.4 9.6



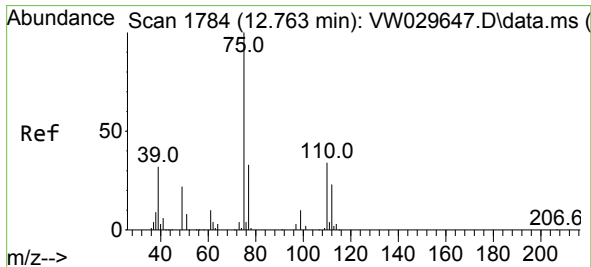
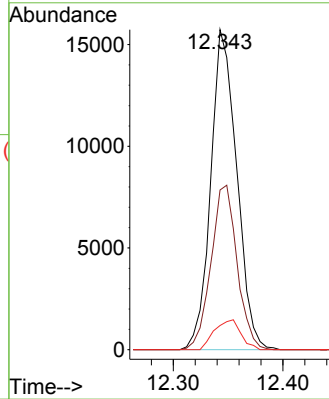
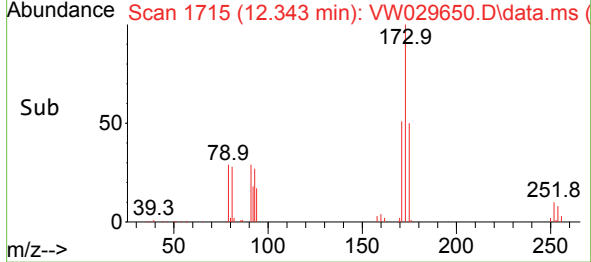


#59
Bromoform
Concen: 17.067 ug/L
RT: 12.343 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

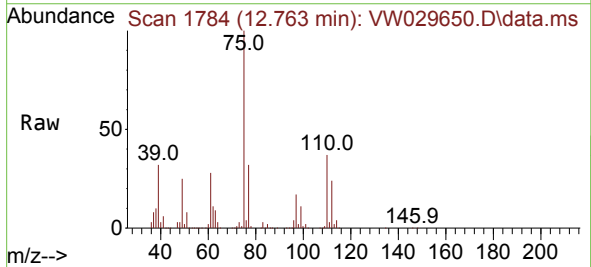
Instrument :
MSVOA_W
ClientSampleId :



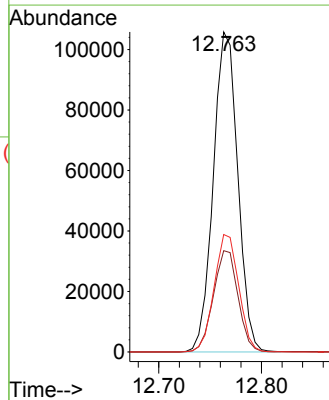
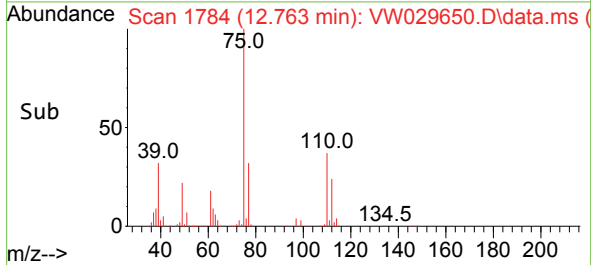
Tgt Ion:173 Resp: 25925
Ion Ratio Lower Upper
173 100
175 51.6 40.4 60.6
254 9.5 8.8 13.2

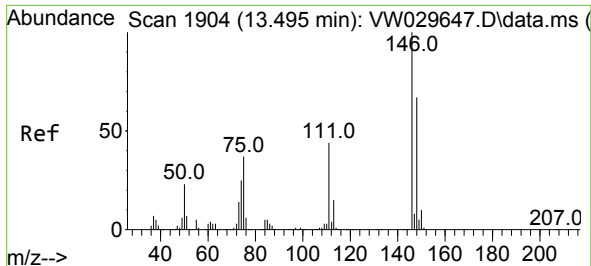


#61
1,2,3-Trichloropropane
Concen: 73.525 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47



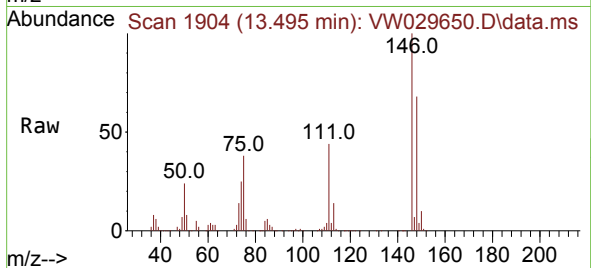
Tgt Ion: 75 Resp: 175107
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
110 36.8 29.1 43.7



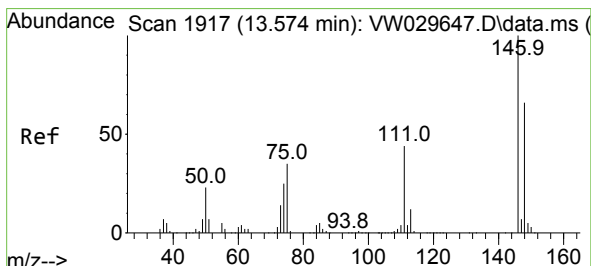
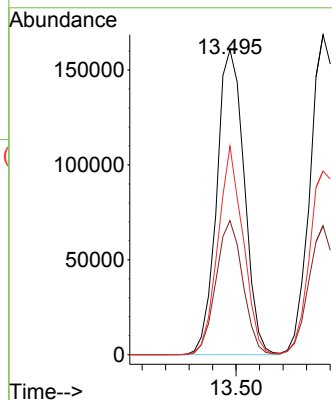
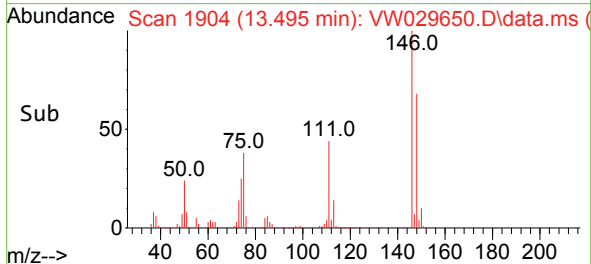


#64
1,3-Dichlorobenzene
Concen: 42.155 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

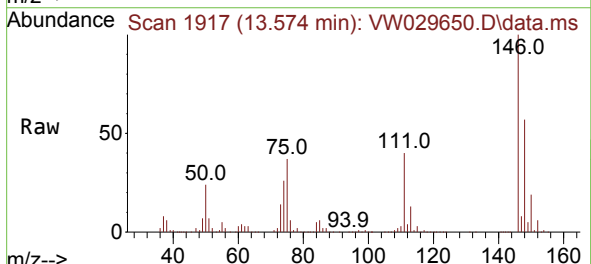
Instrument :
MSVOA_W
ClientSampleId :



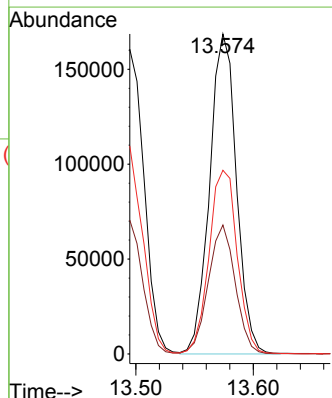
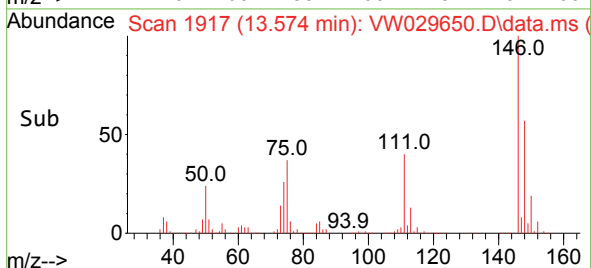
Tgt Ion:146 Resp: 261627
Ion Ratio Lower Upper
146 100
111 44.0 28.6 53.2
148 68.3 43.0 80.0

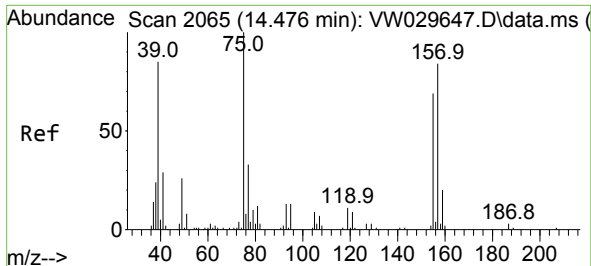


#65
1,4-Dichlorobenzene
Concen: 42.094 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47



Tgt Ion:146 Resp: 267640
Ion Ratio Lower Upper
146 100
111 40.3 27.6 51.4
148 57.4 40.9 75.9

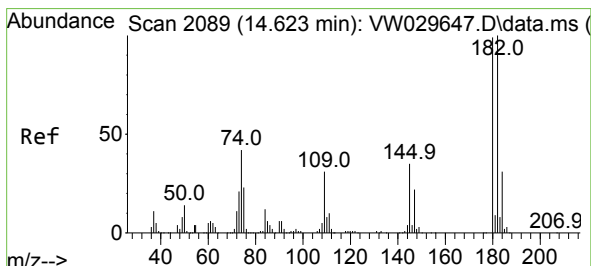
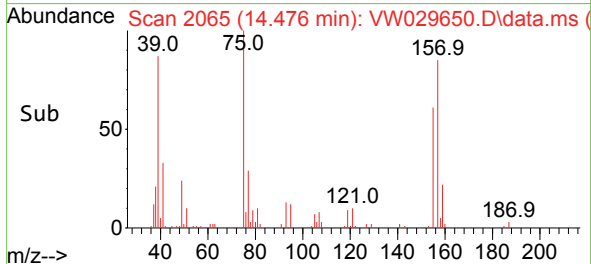
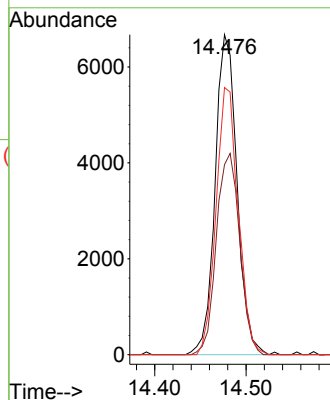
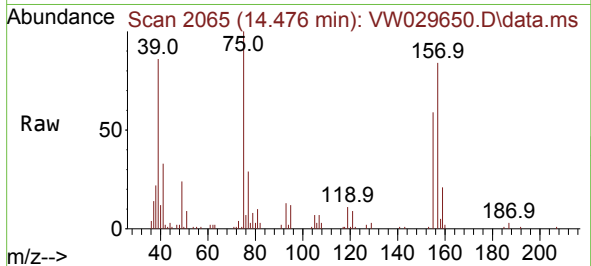




#68
1,2-Dibromo-3-chloropropane
Concen: 19.540 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

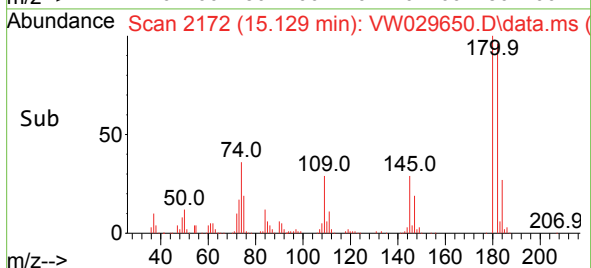
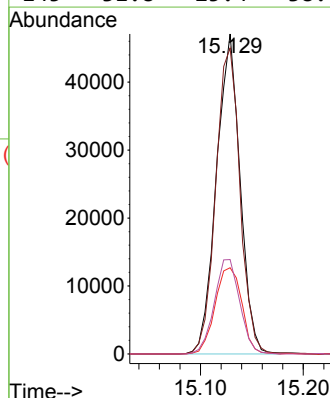
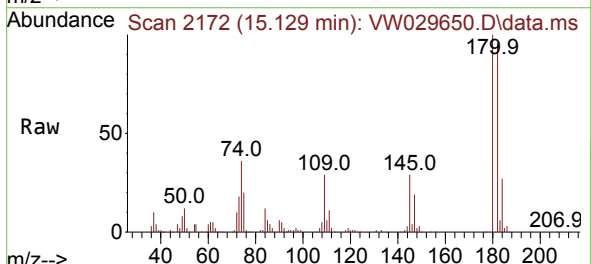
Instrument :
MSVOA_W
ClientSampleId :

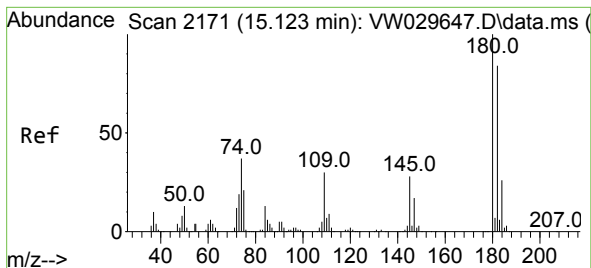
Tgt Ion:	75	Resp:	11125
Ion Ratio	Lower	Upper	
75	100		
155	59.4	51.2	76.8
157	83.5	63.7	95.5



#69
1,3,5-Trichlorobenzene
Concen: 18.575 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.506 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

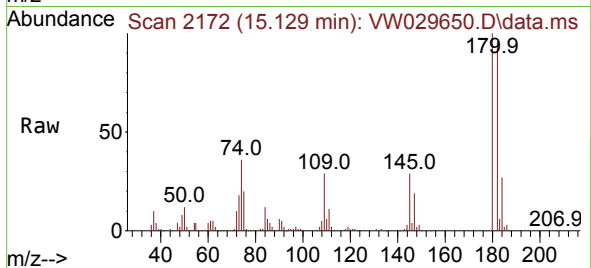
Tgt Ion:	180	Resp:	75206
Ion Ratio	Lower	Upper	
180	100		
182	97.8	77.9	116.9
184	30.5	24.4	36.6
145	31.8	25.4	38.0



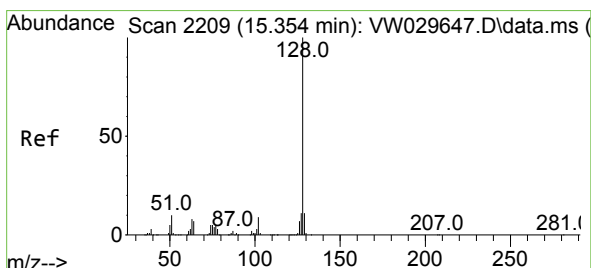
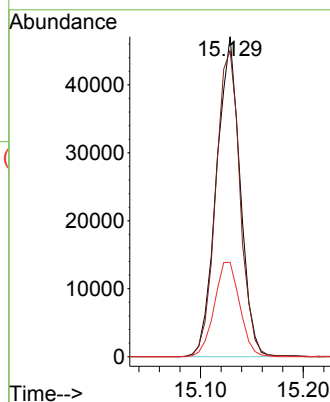
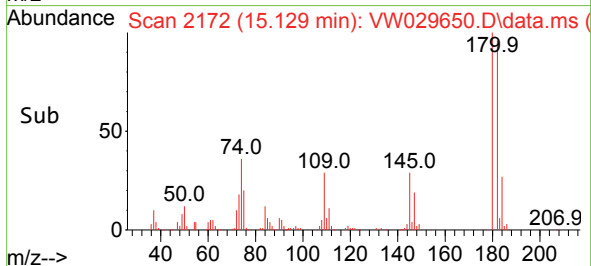


#70
1,2,4-trichlorobenzene
Concen: 21.110 ug/L
RT: 15.129 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

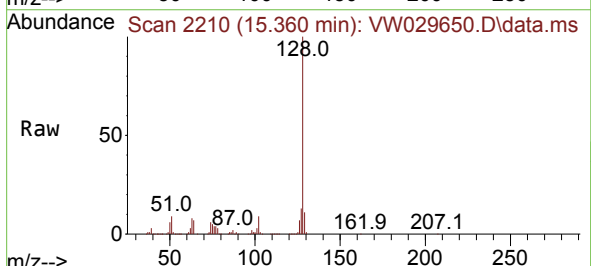
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:180 Resp: 75206
Ion Ratio Lower Upper
180 100
182 97.8 74.7 112.1
145 31.8 26.2 39.2



#71
Naphthalene
Concen: 70.793 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47



Tgt Ion:128 Resp: 529348
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.9 9.0 13.4

