

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011624\
 Data File : VW033695.D
 Acq On : 17 Jan 2024 01:20
 Operator : SY/MD
 Sample : P1131-20DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 17 03:32:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 17 01:35:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	112619	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	101928	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	53608	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	19011	3.087	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.800%
7) Chloroethane-d5	1.532	69	20390	3.733	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.060	65	9899	3.567	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.400%
20) 2-Butanone-d5	3.847	46	53004	35.202	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.400%
24) Chloroform-d	4.249	84	53816	4.041	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
26) 1,2-Dichloroethane-d4	4.947	65	26293	4.403	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	4.960	84	99419	4.042	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
36) 1,2-Dichloropropane-d6	5.992	67	32704	3.989	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.800%
41) Toluene-d8	7.246	98	86556	3.942	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	7.561	79	12419	4.381	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.034	63	55139	49.543	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.080%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	23513	4.908	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	35863	4.357	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.200%
Target Compounds						
					Qvalue	
6) Bromomethane	1.494	94	481	0.082	ug/L	91
15) Methyl Acetate	2.372	43	530	0.181	ug/L #	56
16) Methylene chloride	2.449	84	2753	0.294	ug/L	97
30) Cyclohexane	4.574	56	5719	0.330	ug/L	96
33) Benzene	5.018	78	19410	0.536	ug/L	100
35) Methylcyclohexane	6.050	83	5702	0.350	ug/L	97
37) 1,2-Dichloropropane	5.992	63	4068	0.453	ug/L #	87
39) cis-1,3-Dichloropropene	6.918	75	1215	0.095	ug/L #	81
42) Toluene	7.330	91	6489	0.170	ug/L	96
45) 1,1,2-Trichloroethane	7.715	97	595	0.119	ug/L #	15
51) Chlorobenzene	8.815	112	146408	6.245	ug/L	99
53) m,p-Xylene	9.082	106	1527	0.093	ug/L	96
54) o-Xylene	9.484	106	5867	0.369	ug/L	99
60) Isopropylbenzene	9.866	105	44012	1.038	ug/L	99
61) 1,2,3-Trichloropropane	9.866	75	705	0.164	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.481	105	5554	0.152	ug/L	99
63) 1,2,4-Trimethylbenzene	10.481	105	5554	0.150	ug/L	96
64) 1,3-Dichlorobenzene	11.124	146	4008	0.214	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	15703	0.855	ug/L	98

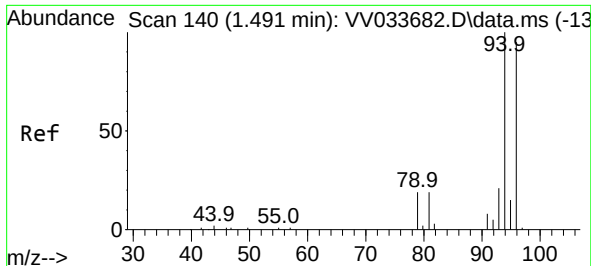
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011624\
Data File : VV033695.D
Acq On : 17 Jan 2024 01:20
Operator : SY/MD
Sample : P1131-20DL 5X
Misc : 25.0mL/MSVOA_V/WATER
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Instrument :
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ClientSampleId :

Quant Time: Jan 17 03:32:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 17 01:35:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.580	146	11257	0.691	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	474	0.502	ug/L #	5

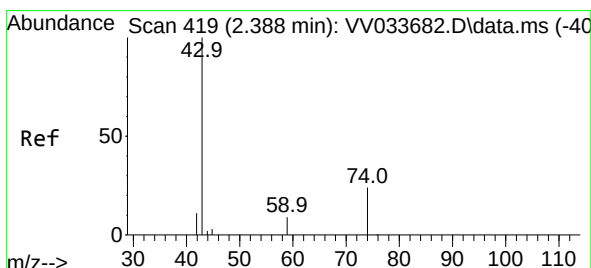
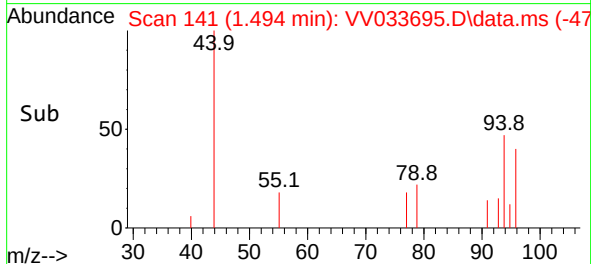
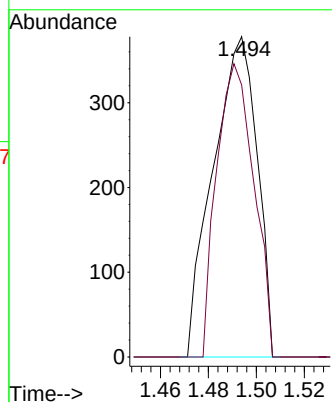
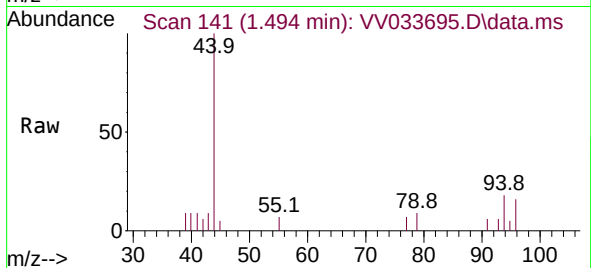
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6
Bromomethane
Concen: 0.082 ug/L
RT: 1.494 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

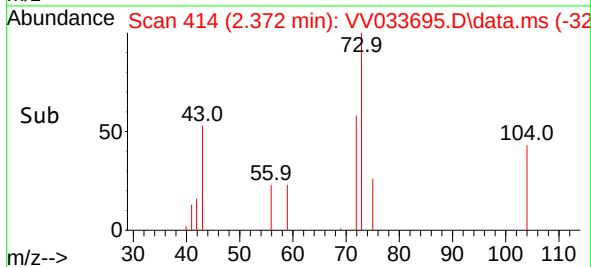
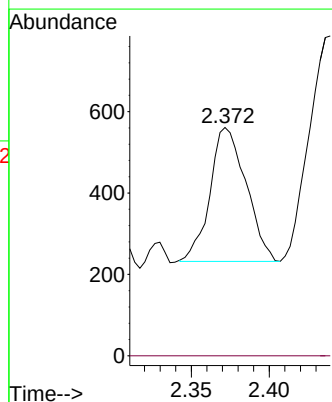
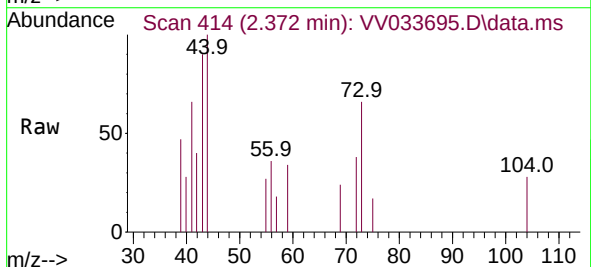
Instrument :
MSVOA_V
ClientSampleId :

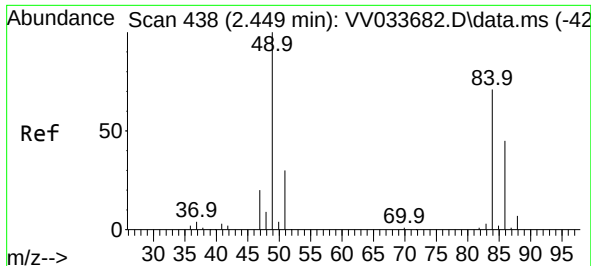
Tgt Ion: 94 Resp: 481
Ion Ratio Lower Upper
94 100
96 84.9 65.5 121.6



#15
Methyl Acetate
Concen: 0.181 ug/L
RT: 2.372 min Scan# 414
Delta R.T. -0.016 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

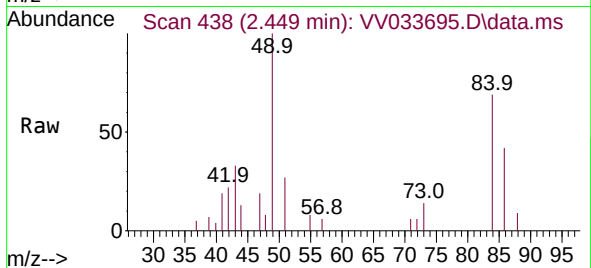
Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





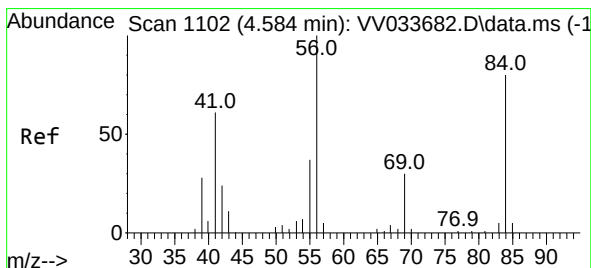
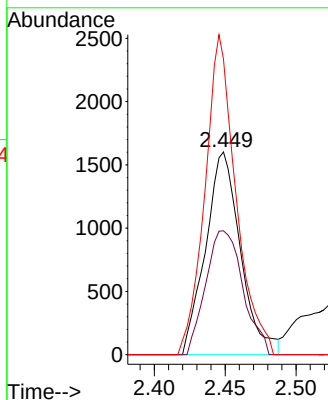
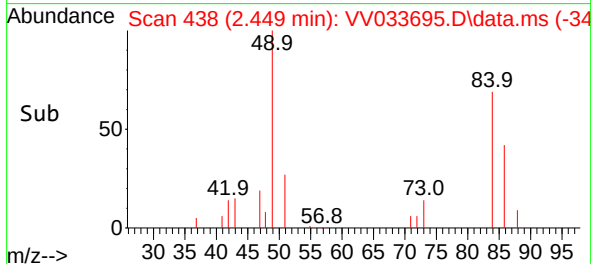
#16
Methylene chloride
Concen: 0.294 ug/L
RT: 2.449 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

Instrument :
MSVOA_V
ClientSampleId :

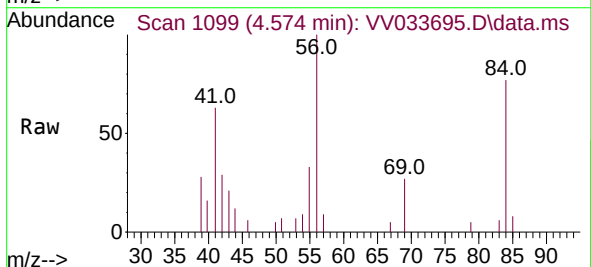


Tgt Ion: 84 Resp: 2753

Ion	Ratio	Lower	Upper
84	100		
86	61.1	45.5	84.5
49	145.8	100.3	186.3

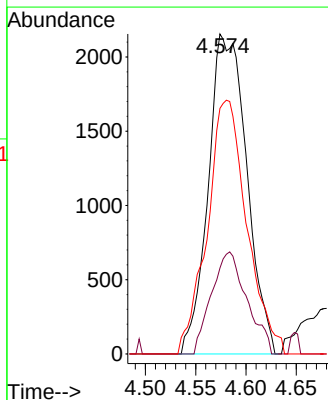
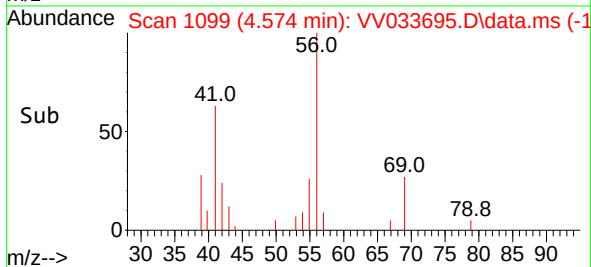


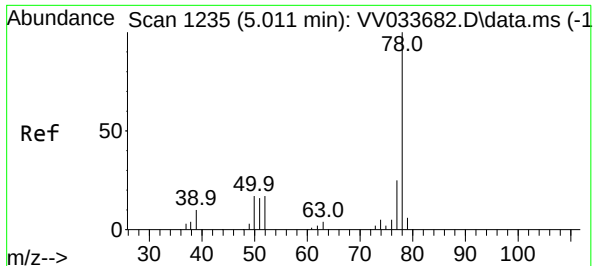
#30
Cyclohexane
Concen: 0.330 ug/L
RT: 4.574 min Scan# 1099
Delta R.T. -0.010 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20



Tgt Ion: 56 Resp: 5719

Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.3	34.9
84	81.6	61.7	92.5

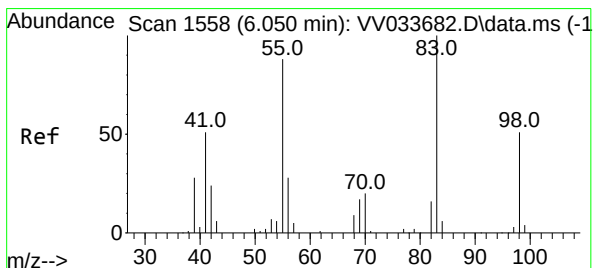
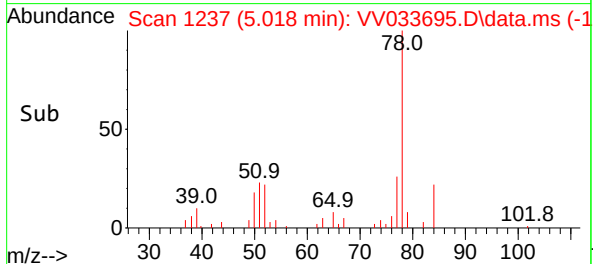
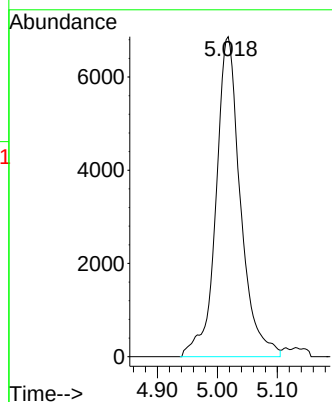
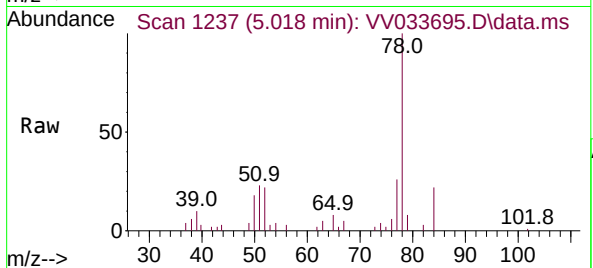




#33
Benzene
Concen: 0.536 ug/L
RT: 5.018 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

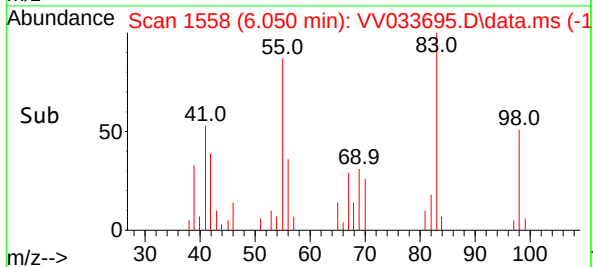
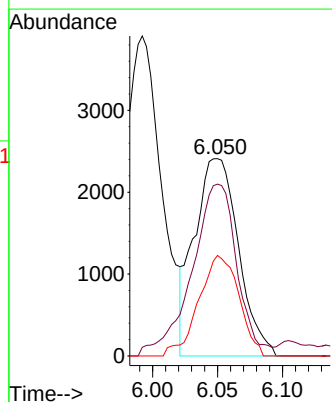
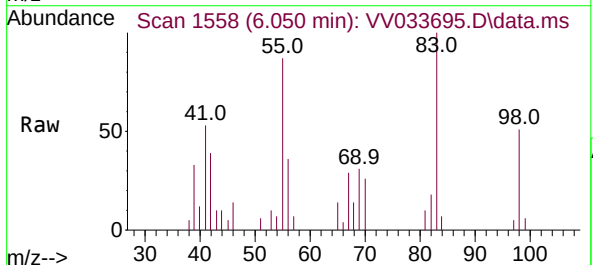
Instrument :
MSVOA_V
ClientSampleId :

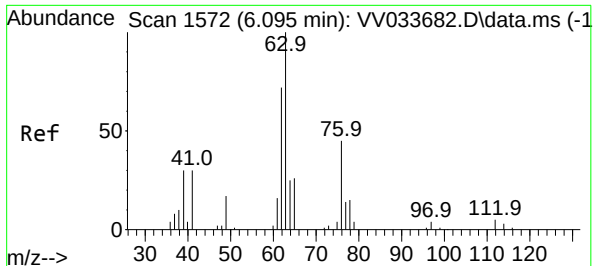
Tgt Ion: 78 Resp: 19410



#35
Methylcyclohexane
Concen: 0.350 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

Tgt Ion: 83 Resp: 5702
Ion Ratio Lower Upper
83 100
55 88.6 68.7 103.1
98 46.1 38.3 57.5





#37

1,2-Dichloropropane

Concen: 0.453 ug/L

RT: 5.992 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV033695.D

Acq: 17 Jan 2024 01:20

Instrument :

MSVOA_V

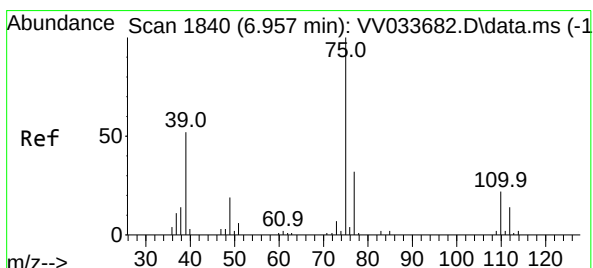
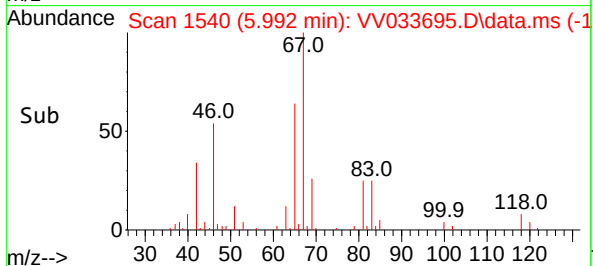
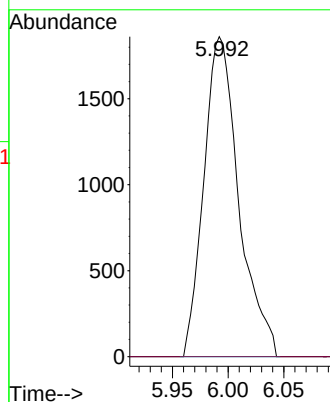
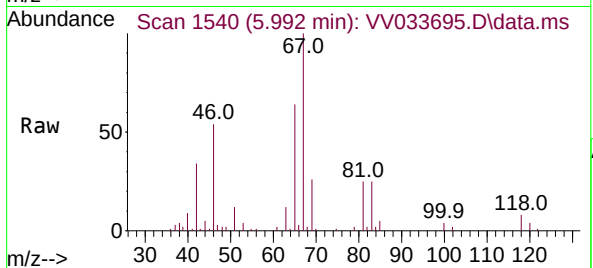
ClientSampleId :

Tgt Ion: 63 Resp: 4068

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 6.918 min Scan# 1828

Delta R.T. -0.039 min

Lab File: VV033695.D

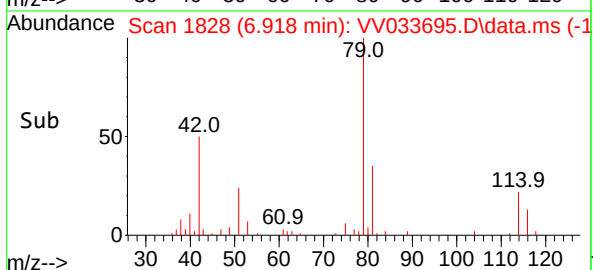
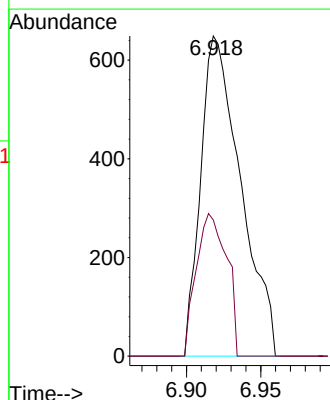
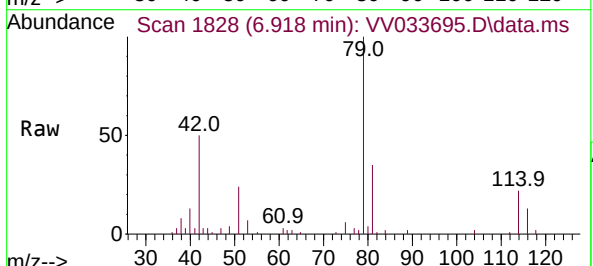
Acq: 17 Jan 2024 01:20

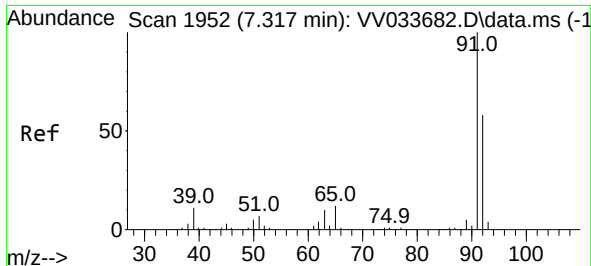
Tgt Ion: 75 Resp: 1215

Ion Ratio Lower Upper

75 100

77 42.5 22.5 41.7#





#42

Toluene

Concen: 0.170 ug/L

RT: 7.330 min Scan# 1952

Delta R.T. 0.013 min

Lab File: VV033695.D

Acq: 17 Jan 2024 01:20

Instrument :

MSVOA_V

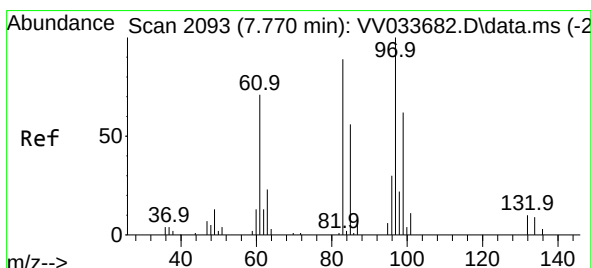
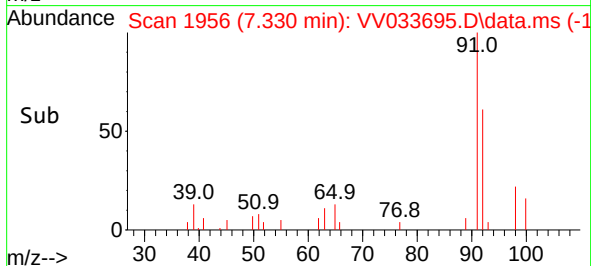
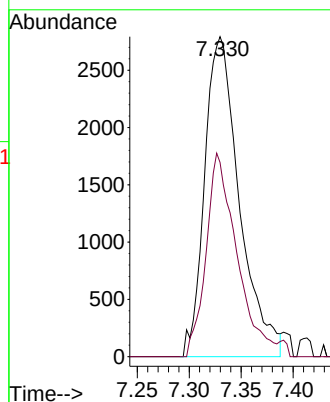
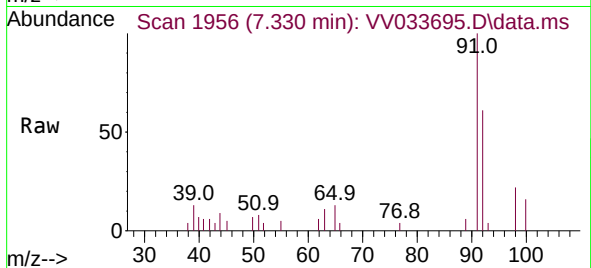
ClientSampleId :

Tgt Ion: 91 Resp: 6489

Ion Ratio Lower Upper

91 100

92 60.7 40.5 75.3



#45

1,1,2-Trichloroethane

Concen: 0.119 ug/L

RT: 7.715 min Scan# 2076

Delta R.T. -0.055 min

Lab File: VV033695.D

Acq: 17 Jan 2024 01:20

Tgt Ion: 97 Resp: 595

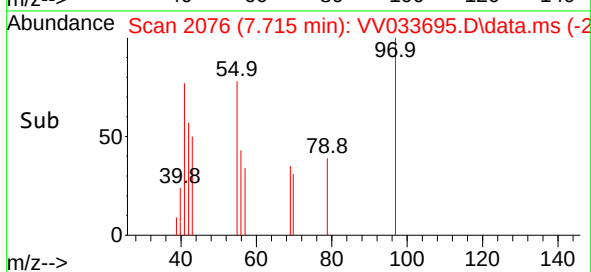
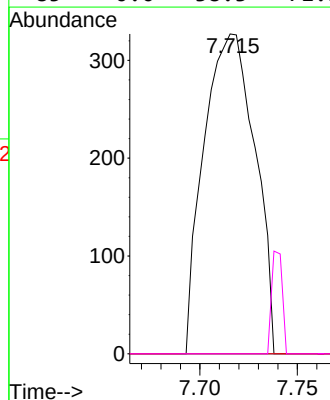
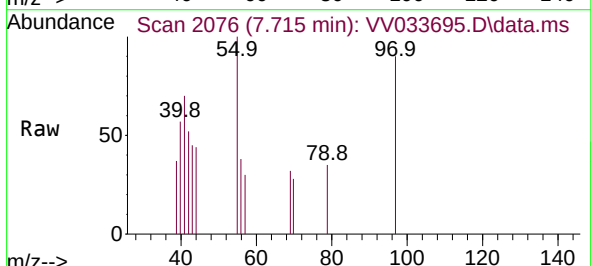
Ion Ratio Lower Upper

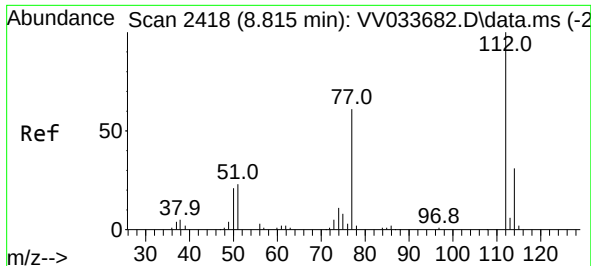
97 100

99 0.0 44.9 83.3#

83 0.0 60.5 112.3#

85 0.0 38.3 71.1#

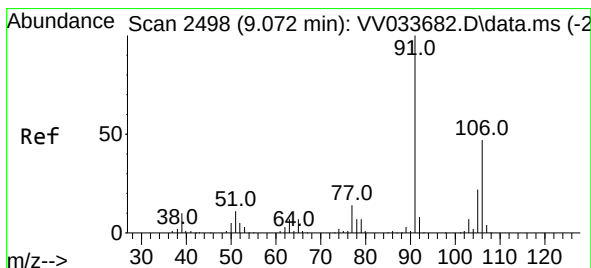
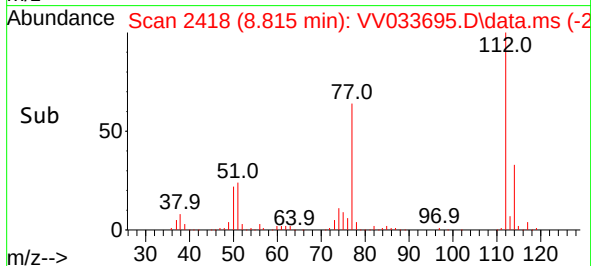
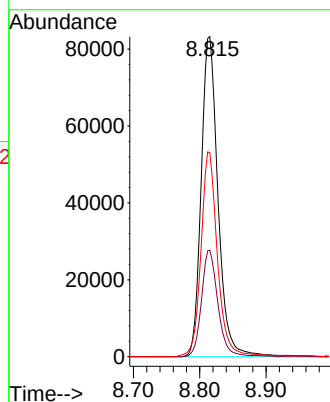
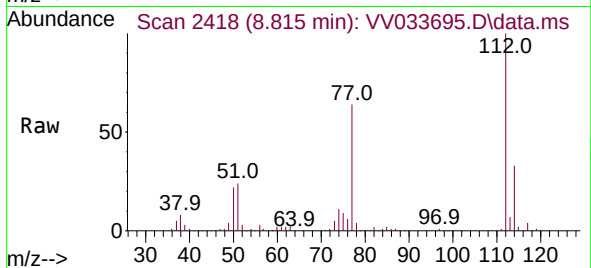




#51
Chlorobenzene
Concen: 6.245 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

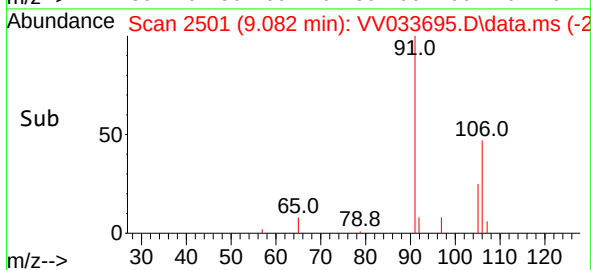
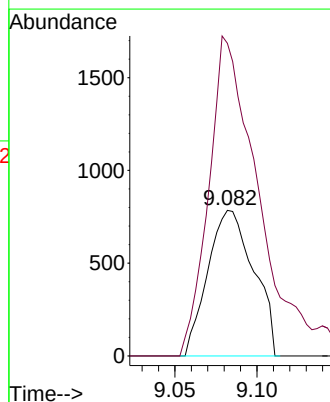
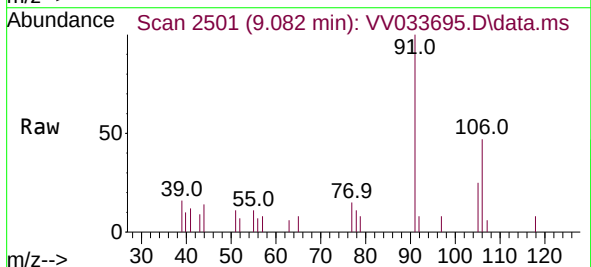
Instrument :
MSVOA_V
ClientSampleId :

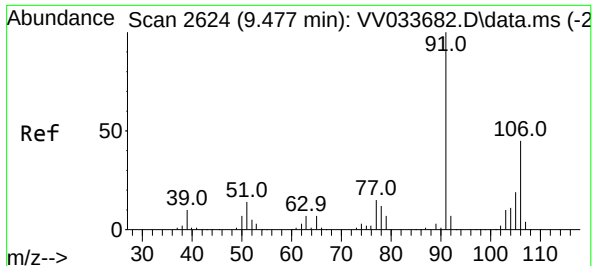
Tgt Ion:112 Resp: 146408
Ion Ratio Lower Upper
112 100
114 33.3 22.9 42.5
77 63.7 50.8 76.2



#53
m,p-Xylene
Concen: 0.093 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.010 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

Tgt Ion:106 Resp: 1527
Ion Ratio Lower Upper
106 100
91 214.6 146.2 271.4

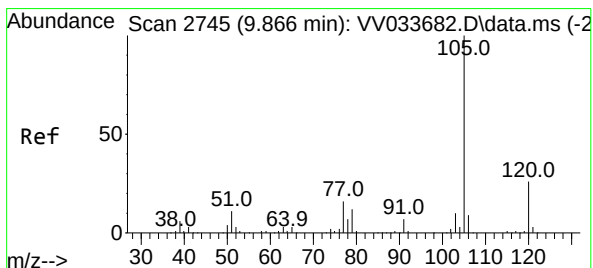
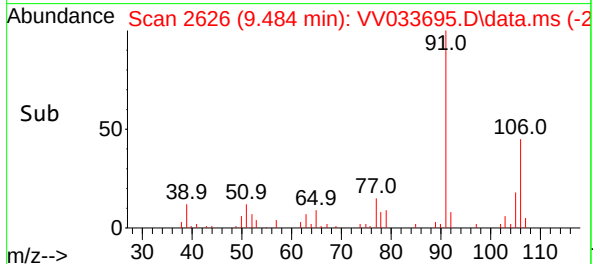
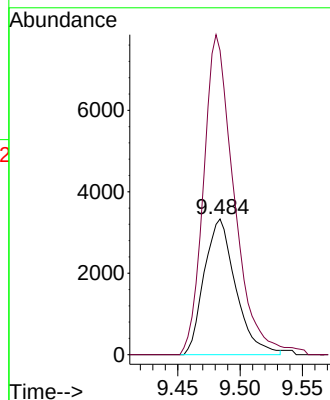
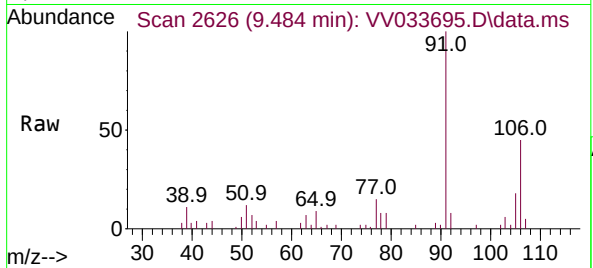




#54
o-Xylene
Concen: 0.369 ug/L
RT: 9.484 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

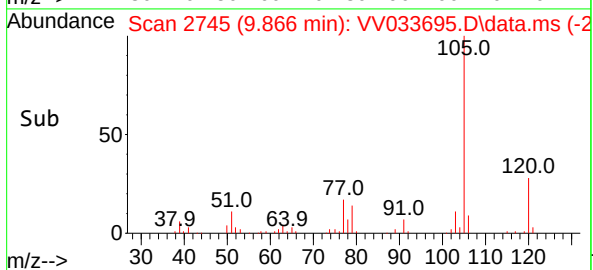
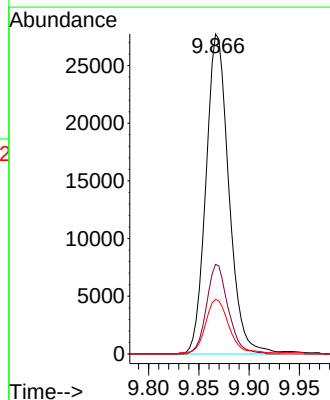
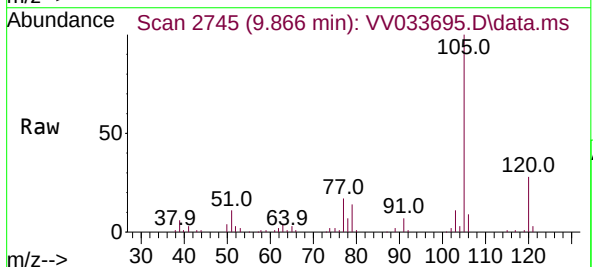
Instrument :
MSVOA_V
ClientSampleId :

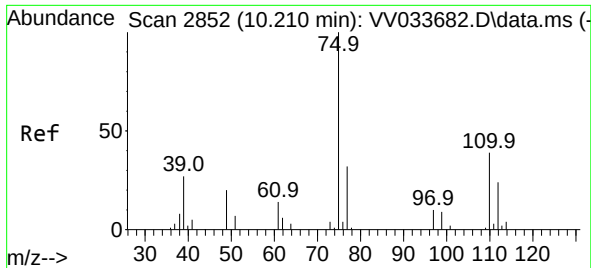
Tgt Ion:106 Resp: 5867
Ion Ratio Lower Upper
106 100
91 224.1 156.0 289.6



#60
Isopropylbenzene
Concen: 1.038 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. 0.000 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

Tgt Ion:105 Resp: 44012
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 17.8 13.4 20.0

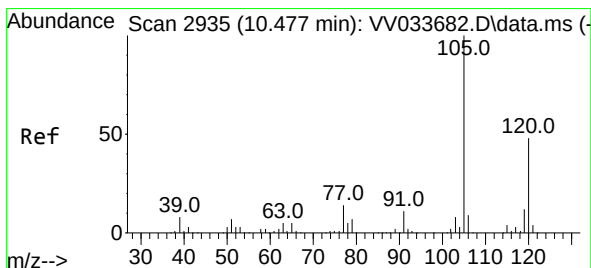
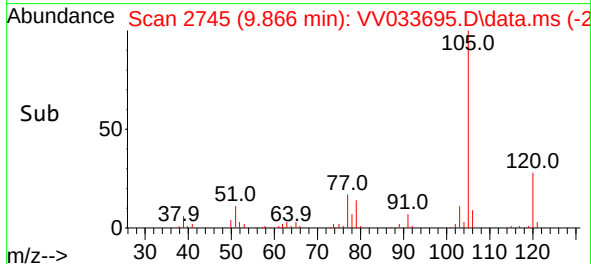
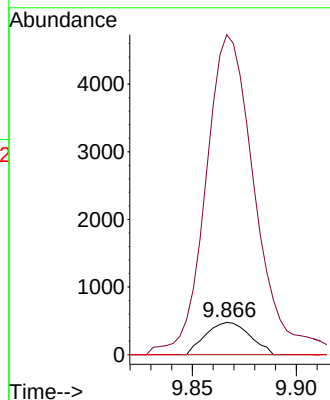
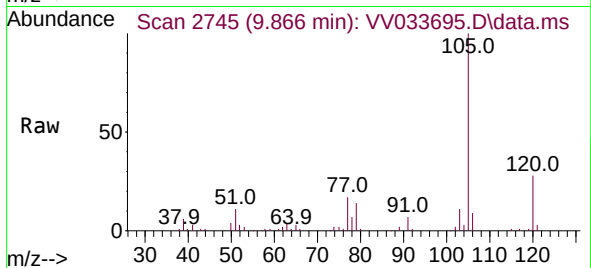




#61
1,2,3-Trichloropropane
Concen: 0.164 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.344 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

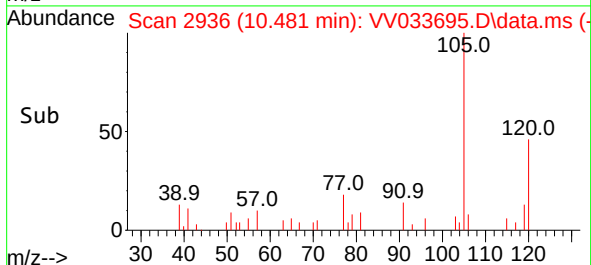
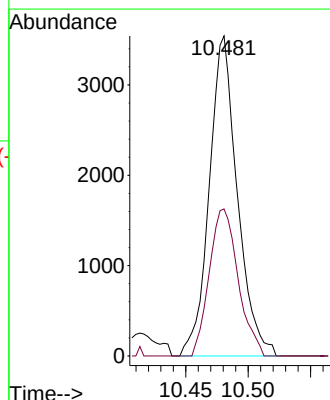
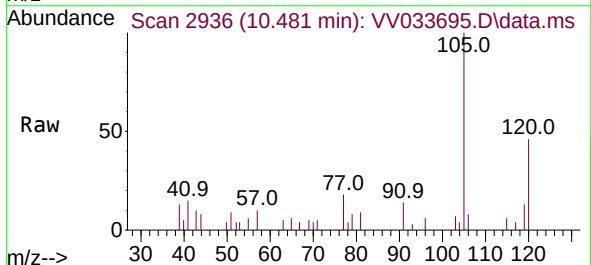
Instrument :
MSVOA_V
ClientSampleId :

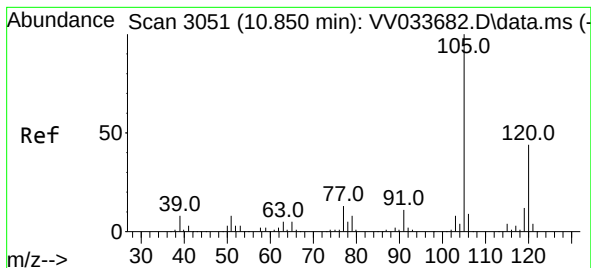
Tgt Ion: 75 Resp: 705
Ion Ratio Lower Upper
75 100
77 1108.5 24.7 37.1#
110 0.0 28.0 42.0#



#62
1,3,5-Trimethylbenzene
Concen: 0.152 ug/L
RT: 10.481 min Scan# 2936
Delta R.T. 0.003 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

Tgt Ion: 105 Resp: 5554
Ion Ratio Lower Upper
105 100
120 47.2 38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 0.150 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. -0.370 min

Lab File: VV033695.D

Acq: 17 Jan 2024 01:20

Instrument :

MSVOA_V

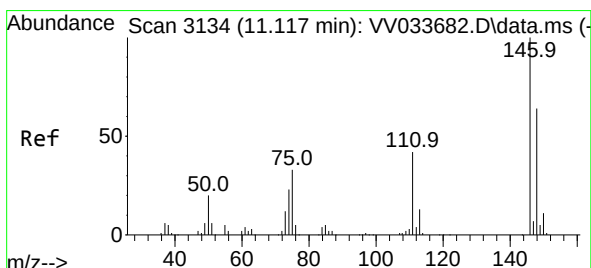
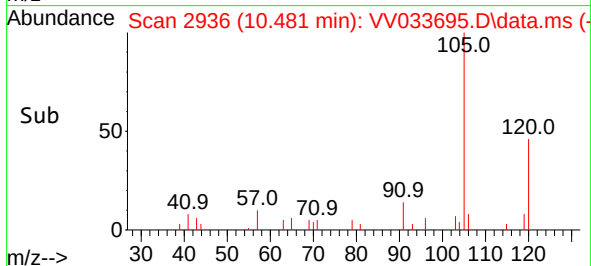
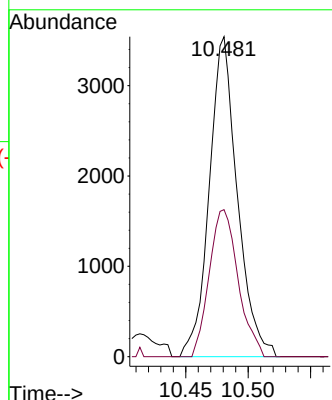
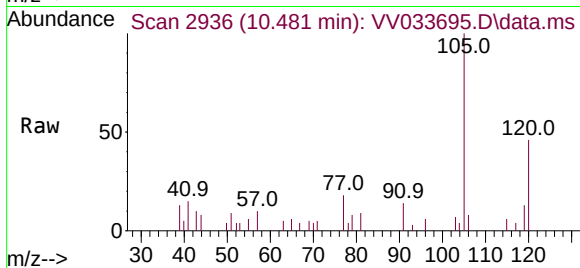
ClientSampleId :

Tgt Ion:105 Resp: 5554

Ion Ratio Lower Upper

105 100

120 47.2 35.5 53.3



#64

1,3-Dichlorobenzene

Concen: 0.214 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.006 min

Lab File: VV033695.D

Acq: 17 Jan 2024 01:20

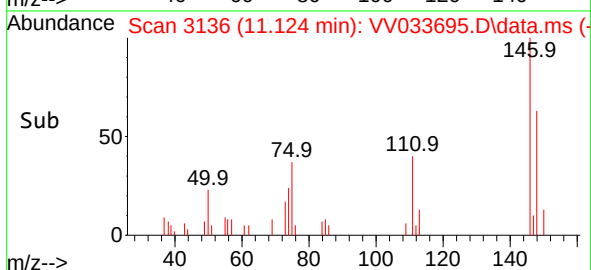
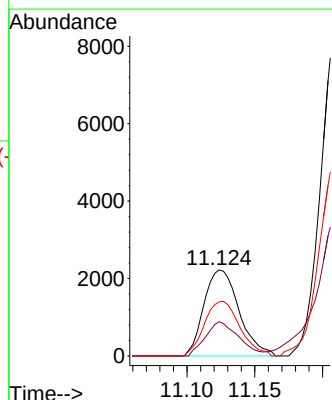
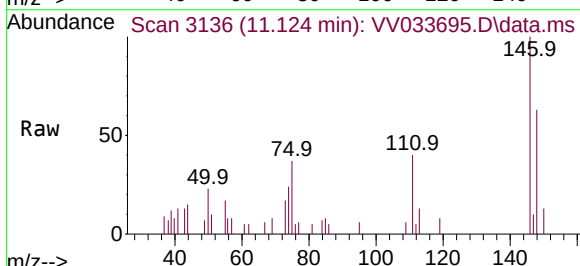
Tgt Ion:146 Resp: 4008

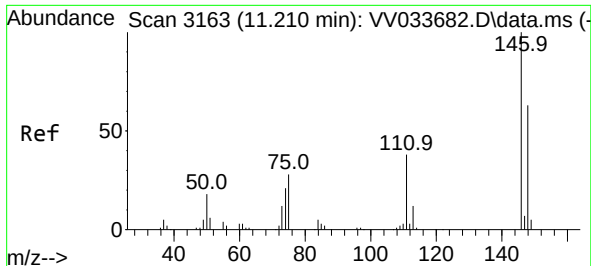
Ion Ratio Lower Upper

146 100

111 39.8 29.2 54.2

148 62.8 44.1 81.9

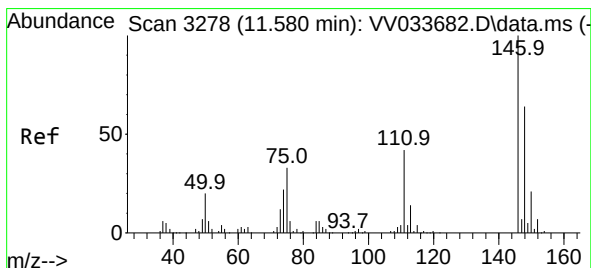
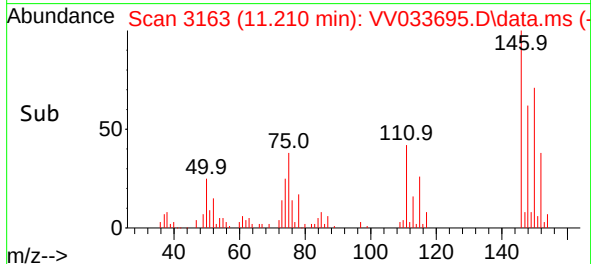
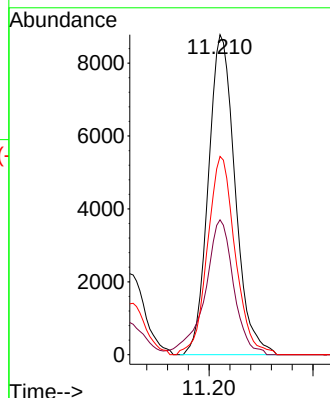
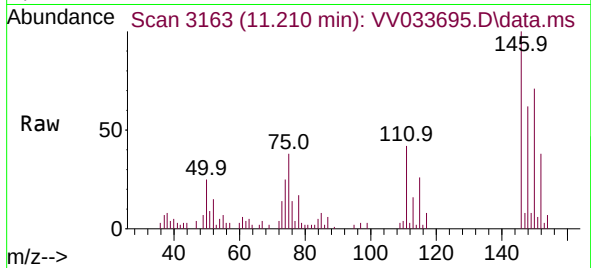




#65
1,4-Dichlorobenzene
Concen: 0.855 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

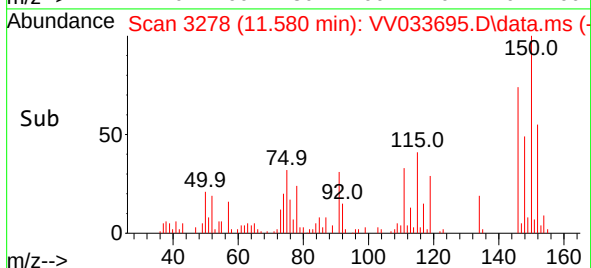
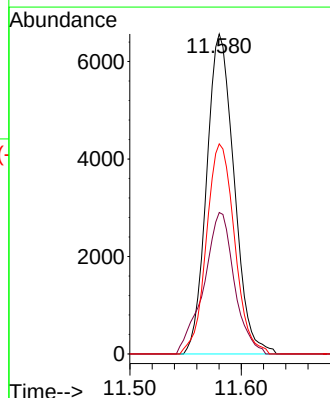
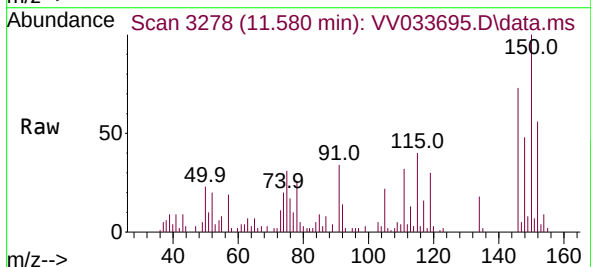
Instrument :
MSVOA_V
ClientSampleId :

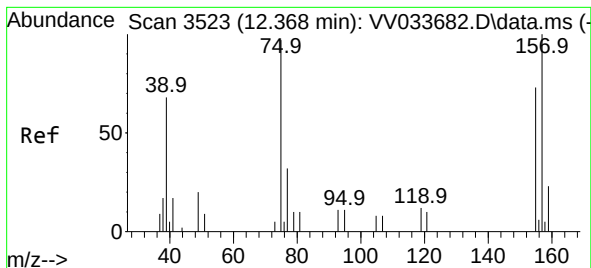
Tgt Ion:146 Resp: 15703
Ion Ratio Lower Upper
146 100
111 42.1 27.5 51.1
148 62.0 43.3 80.5



#67
1,2-Dichlorobenzene
Concen: 0.691 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VV033695.D
Acq: 17 Jan 2024 01:20

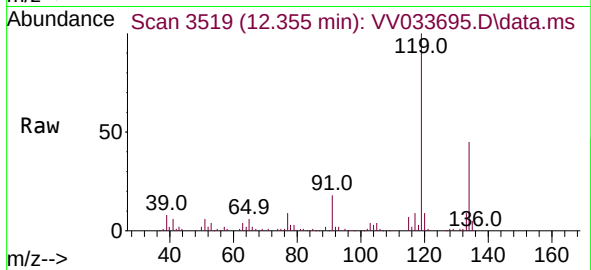
Tgt Ion:146 Resp: 11257
Ion Ratio Lower Upper
146 100
111 44.2 36.1 54.1
148 65.7 52.2 78.2





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.502 ug/L
 RT: 12.355 min Scan# 311
 Delta R.T. -0.013 min
 Lab File: VV033695.D
 Acq: 17 Jan 2024 01:20

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 474
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.3 97.9#
 157 0.0 75.4 113.0#

