

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060022.D
 Acq On : 18 Jul 2024 17:11
 Operator : MD/SY
 Sample : P3217-07DL 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 19 01:35:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 01:30:22 2024
 Response via : Initial Calibration

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

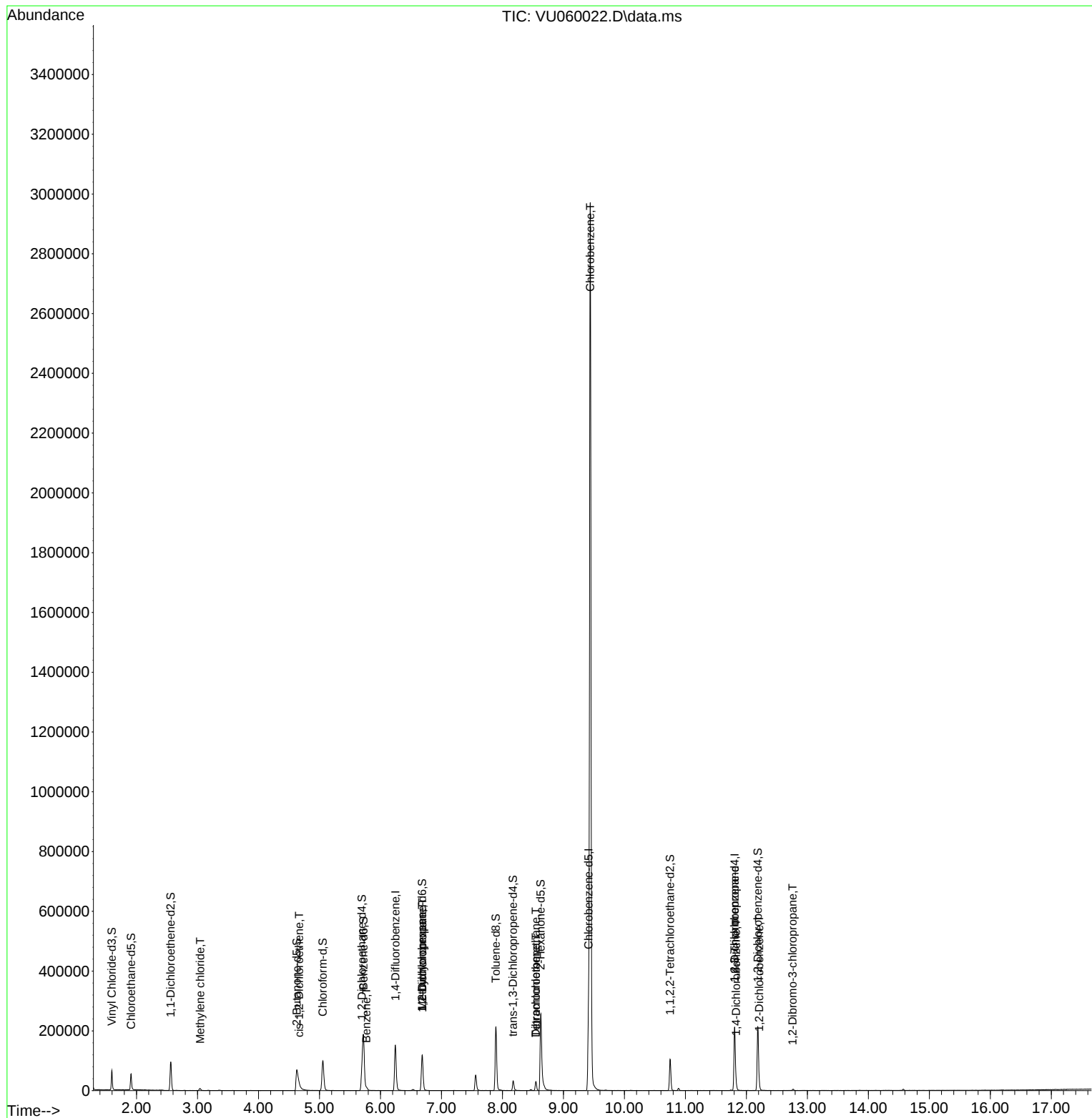
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	133885	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	142327	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	62018	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	45127	4.844	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.800%
7) Chloroethane-d5	1.911	69	41893	4.841	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.560	65	17572	4.831	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.600%
20) 2-Butanone-d5	4.628	46	120245	55.213	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.420%
24) Chloroform-d	5.055	84	97738	4.992	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.695	65	49291	5.407	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	5.721	84	188161	4.934	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.685	67	62073	5.108	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.200%
41) Toluene-d8	7.891	98	153058	4.442	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	8.174	79	20767	5.021	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.400%
46) 2-Hexanone-d5	8.627	63	93713	51.056	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.120%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	55455	5.128	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	60518	5.406	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.200%
Target Compounds						Qvalue
16) Methylene chloride	3.042	84	3657	0.292	ug/L	91
22) cis-1,2-Dichloroethene	4.666	96	2219	0.186	ug/L	95
33) Benzene	5.772	78	9308	0.198	ug/L	100
35) Methylcyclohexane	6.685	83	14218	0.870	ug/L #	21
37) 1,2-Dichloropropane	6.689	63	6179	0.486	ug/L #	88
47) Tetrachloroethene	8.550	164	7150	0.693	ug/L	94
49) Dibromochloromethane	8.547	129	6485	0.604	ug/L #	10
51) Chlorobenzene	9.441	112	1683579	51.503	ug/L	99
61) 1,2,3-Trichloropropane	11.807	75	8175	1.250	ug/L #	40
65) 1,4-Dichlorobenzene	11.833	146	6300	0.284	ug/L	92
67) 1,2-Dichlorobenzene	12.209	146	5114	0.245	ug/L #	88
68) 1,2-Dibromo-3-chloropr...	12.756	75	85	0.067	ug/L #	1

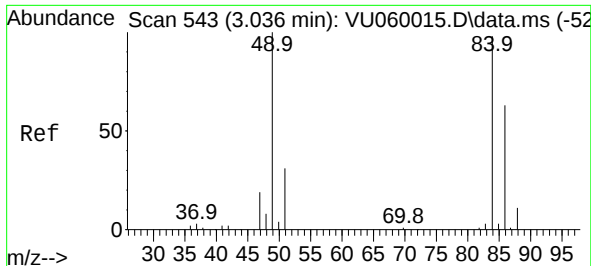
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Methylene chloride

Concen: 0.292 ug/L

RT: 3.042 min Scan# 543

Delta R.T. 0.006 min

Lab File: VU060022.D

Acq: 18 Jul 2024 17:11

Instrument :

MSVOA_U

ClientSampleId :

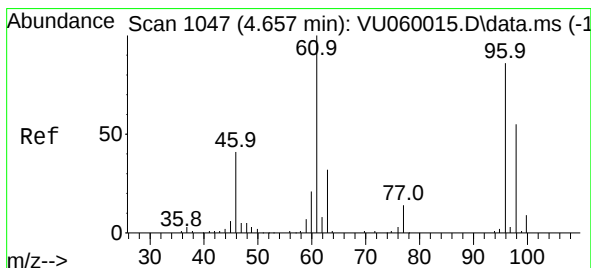
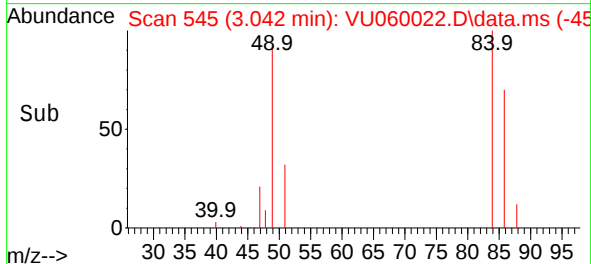
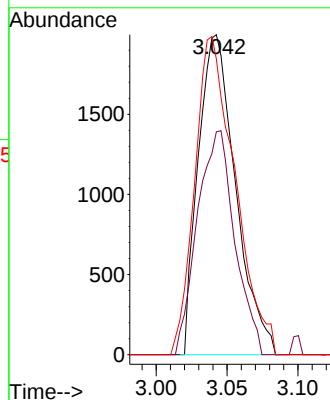
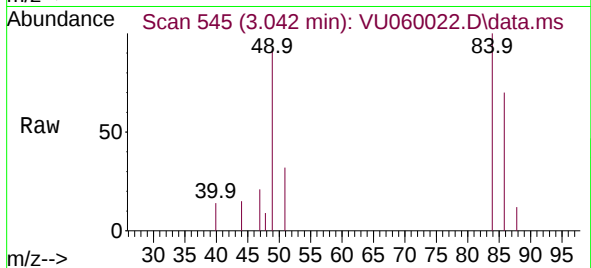
Tgt Ion: 84 Resp: 3657

Ion Ratio Lower Upper

84 100

86 69.7 44.4 82.5

49 92.4 72.0 133.6



#22

cis-1,2-Dichloroethene

Concen: 0.186 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.010 min

Lab File: VU060022.D

Acq: 18 Jul 2024 17:11

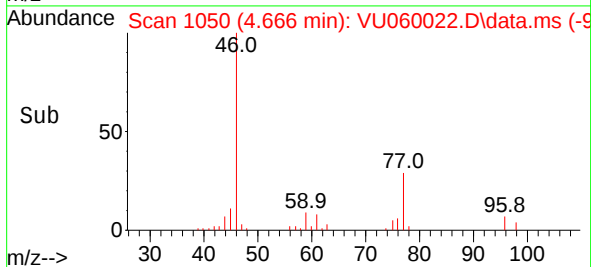
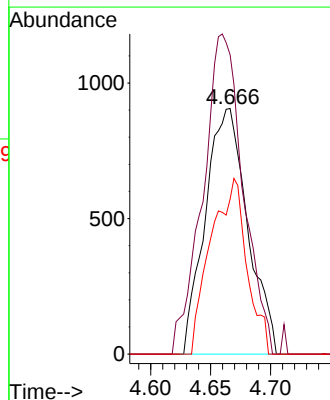
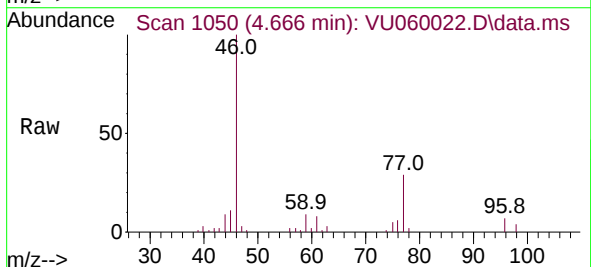
Tgt Ion: 96 Resp: 2219

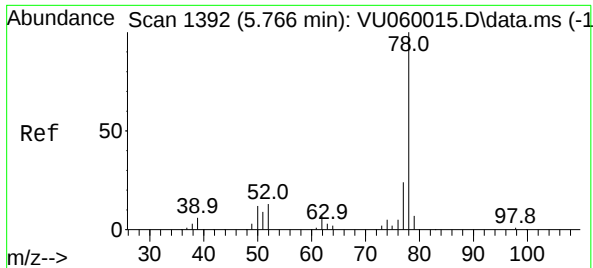
Ion Ratio Lower Upper

96 100

61 121.9 80.2 148.9

98 63.1 44.7 83.1

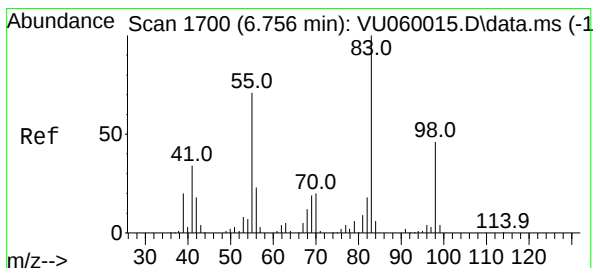
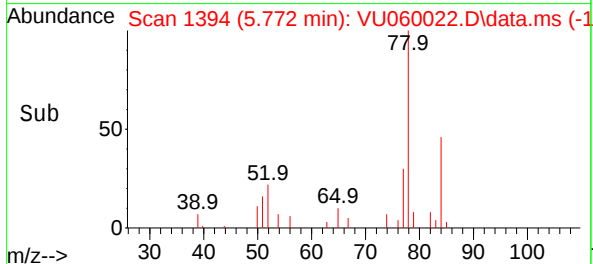
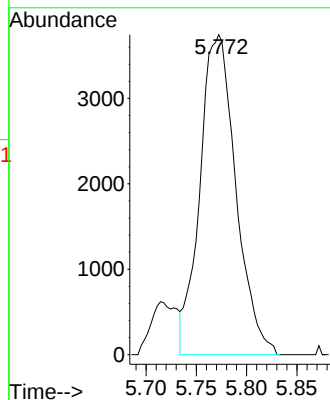
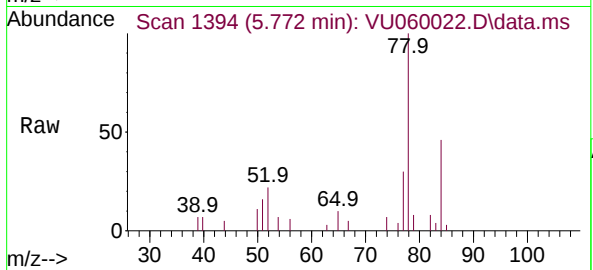




#33
Benzene
Concen: 0.198 ug/L
RT: 5.772 min Scan# 14
Delta R.T. 0.006 min
Lab File: VU060022.D
Acq: 18 Jul 2024 17:11

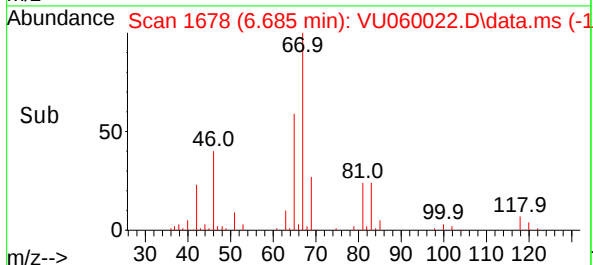
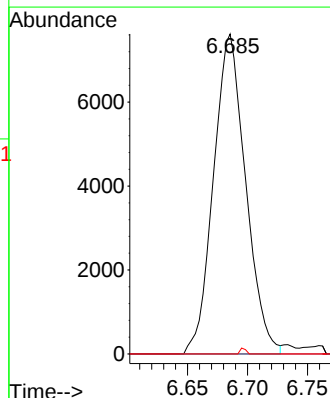
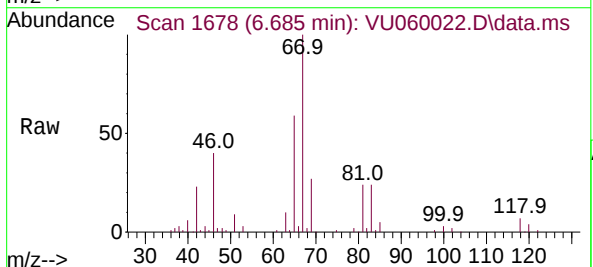
Instrument :
MSVOA_U
ClientSampleId :

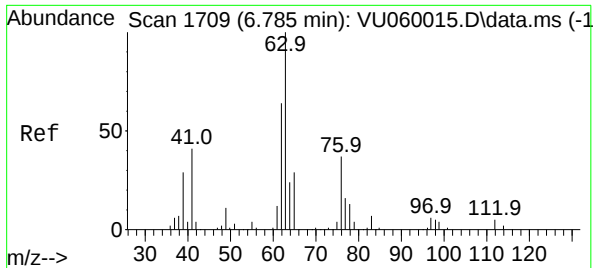
Tgt Ion: 78 Resp: 9308



#35
Methylcyclohexane
Concen: 0.870 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU060022.D
Acq: 18 Jul 2024 17:11

Tgt Ion: 83 Resp: 14218
Ion Ratio Lower Upper
83 100
55 0.0 56.7 85.1#
98 0.3 36.6 55.0#

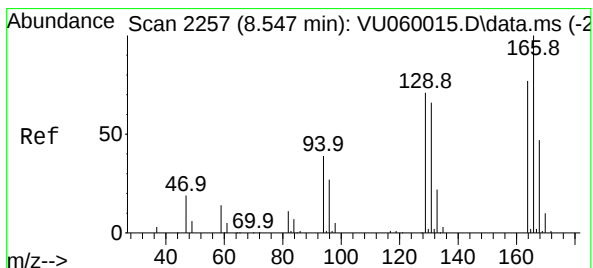
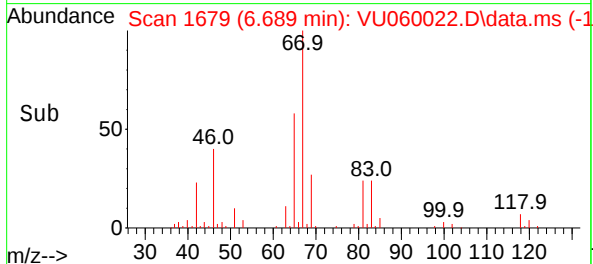
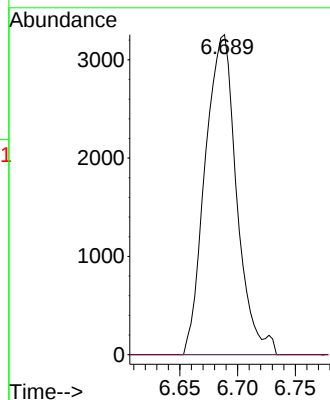
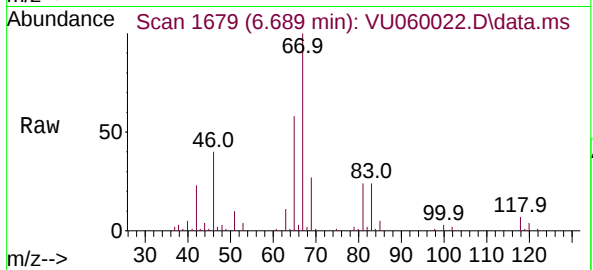




#37
1,2-Dichloropropane
Concen: 0.486 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.097 min
Lab File: VU060022.D
Acq: 18 Jul 2024 17:11

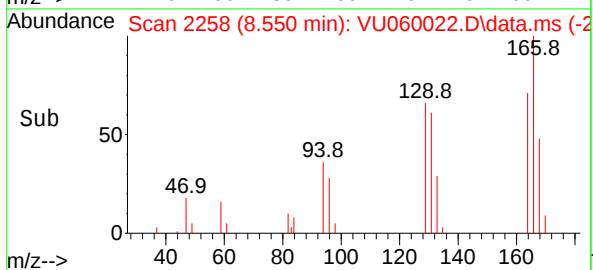
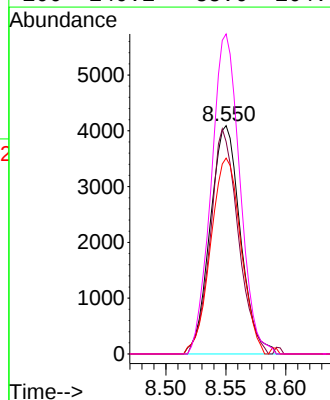
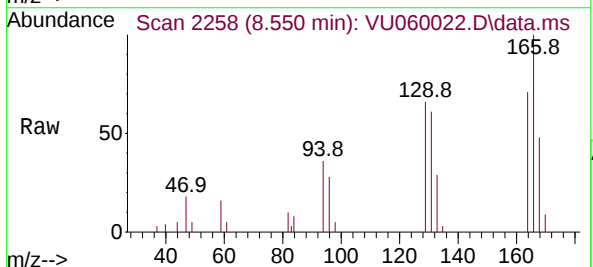
Instrument :
MSVOA_U
ClientSampleId :

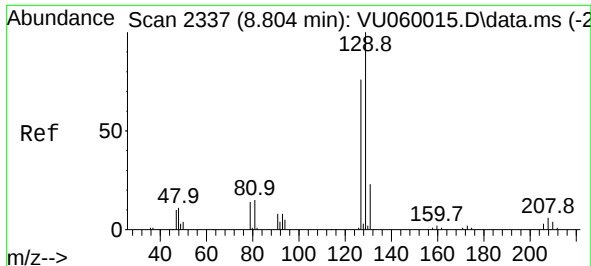
Tgt Ion: 63 Resp: 6179
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#47
Tetrachloroethene
Concen: 0.693 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU060022.D
Acq: 18 Jul 2024 17:11

Tgt Ion:164 Resp: 7150
Ion Ratio Lower Upper
164 100
129 92.9 64.6 120.0
131 85.7 61.2 113.8
166 140.1 88.6 164.6





#49

Dibromochloromethane

Concen: 0.604 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU060022.D

Acq: 18 Jul 2024 17:11

Instrument :

MSVOA_U

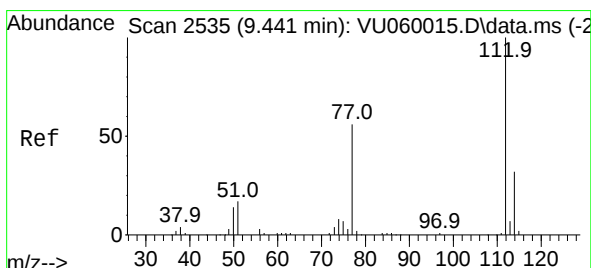
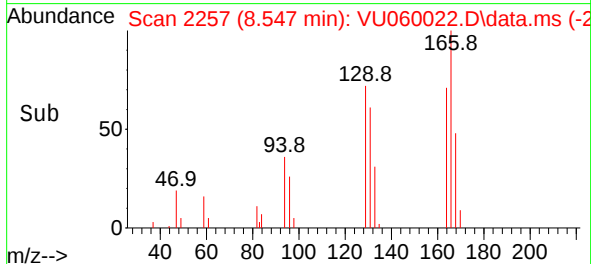
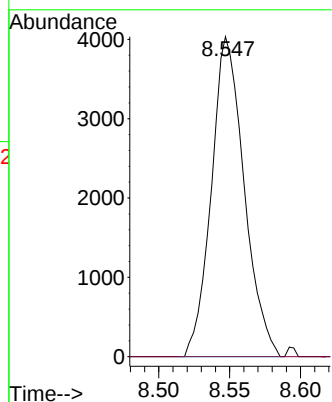
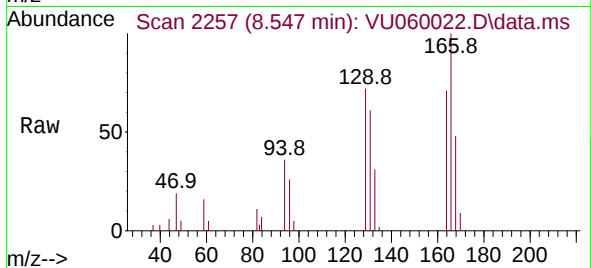
ClientSampleId :

Tgt Ion:129 Resp: 6485

Ion Ratio Lower Upper

129 100

127 0.0 54.6 101.4#



#51

Chlorobenzene

Concen: 51.503 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU060022.D

Acq: 18 Jul 2024 17:11

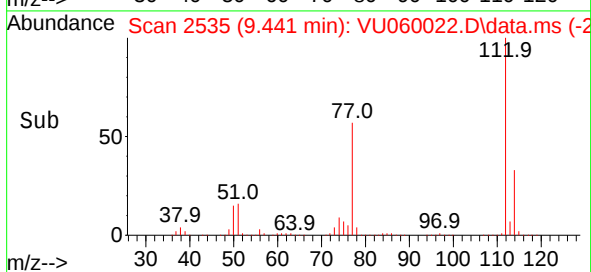
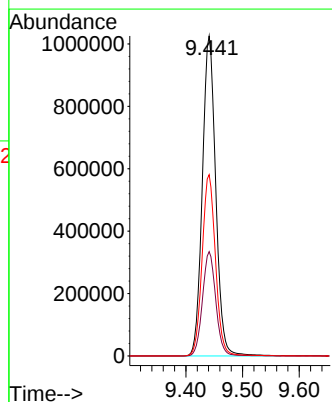
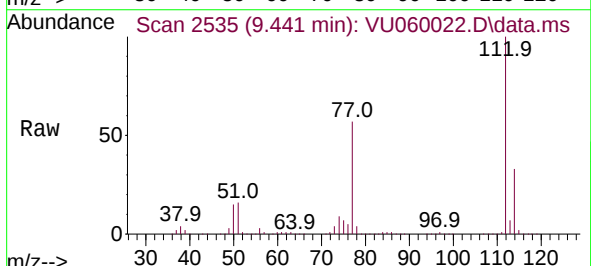
Tgt Ion:112 Resp: 1683579

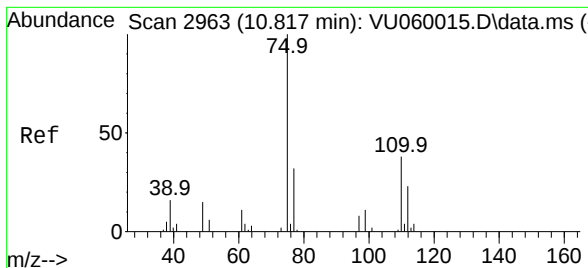
Ion Ratio Lower Upper

112 100

114 32.6 22.1 41.1

77 56.6 44.7 67.1





#61

1,2,3-Trichloropropane

Concen: 1.250 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU060022.D

Acq: 18 Jul 2024 17:11

Instrument :

MSVOA_U

ClientSampleId :

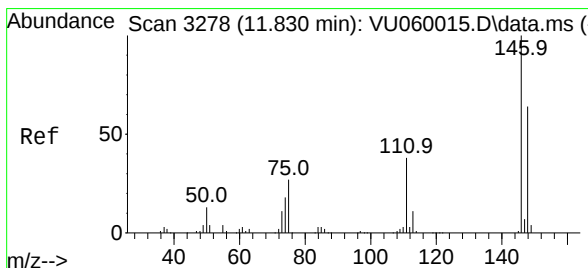
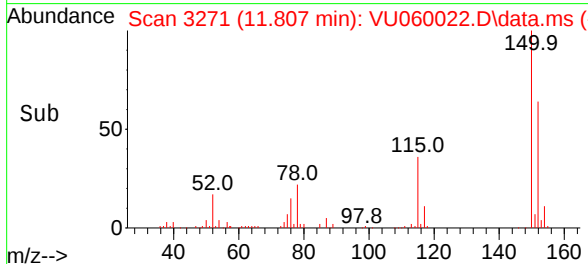
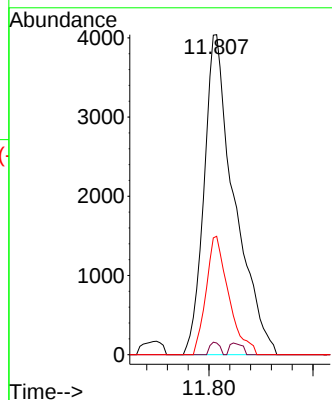
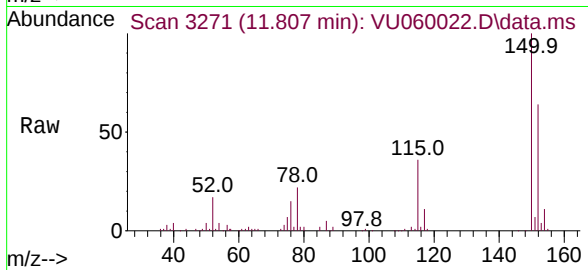
Tgt Ion: 75 Resp: 8175

Ion Ratio Lower Upper

75 100

110 1.2 30.8 46.2#

77 0.0 26.2 39.2#



#65

1,4-Dichlorobenzene

Concen: 0.284 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU060022.D

Acq: 18 Jul 2024 17:11

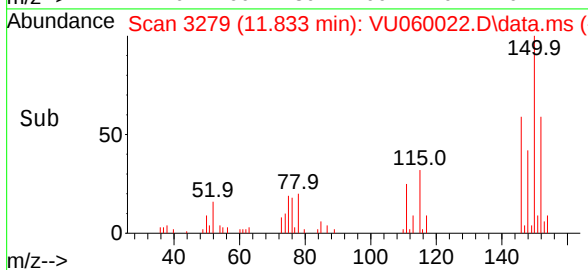
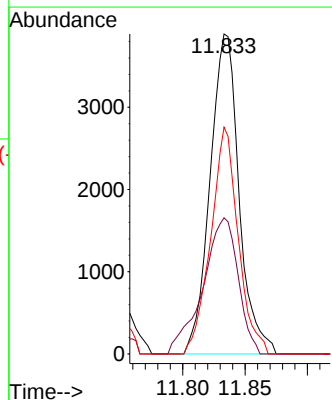
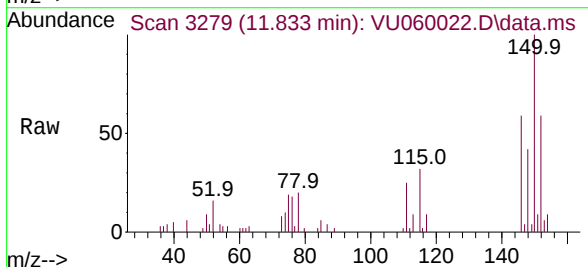
Tgt Ion:146 Resp: 6300

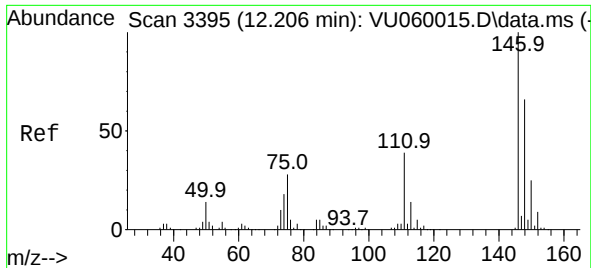
Ion Ratio Lower Upper

146 100

111 42.5 26.5 49.1

148 70.9 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.245 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU060022.D

Acq: 18 Jul 2024 17:11

Instrument :

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ClientSampleId :

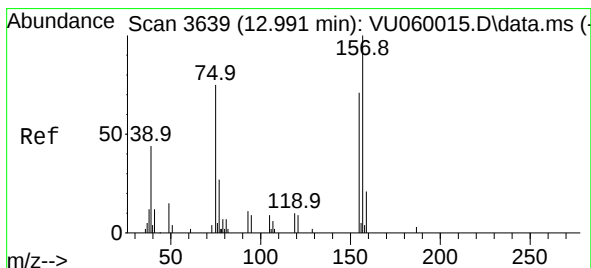
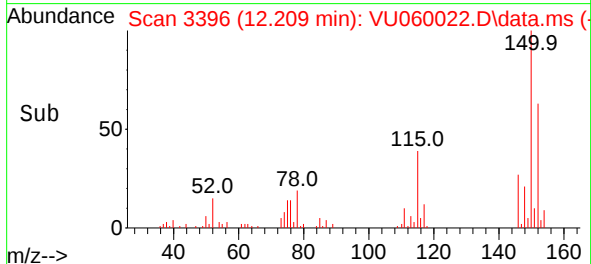
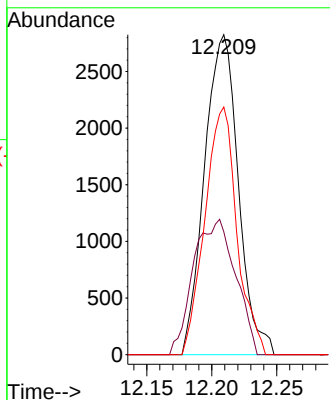
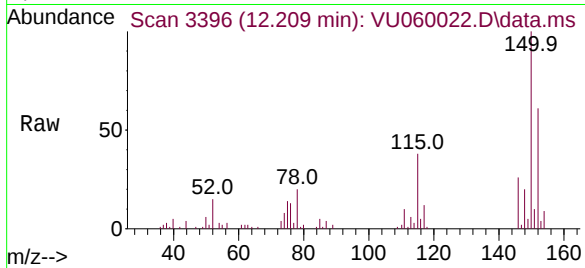
Tgt Ion:146 Resp: 5114

Ion Ratio Lower Upper

146 100

111 38.4 30.9 46.3

148 77.4 49.8 74.8#



#68

1,2-Dibromo-3-chloropropane

Concen: 0.067 ug/L

RT: 12.756 min Scan# 3566

Delta R.T. -0.235 min

Lab File: VU060022.D

Acq: 18 Jul 2024 17:11

Tgt Ion: 75 Resp: 85

Ion Ratio Lower Upper

75 100

155 0.0 70.6 105.8#

157 0.0 99.4 149.2#

