

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060057.D
 Acq On : 19 Jul 2024 13:58
 Operator : MD/SY
 Sample : P3217-14DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 20 01:39:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 20 01:37:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	131874	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	132179	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	67286	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	33952	3.700	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.000%
7) Chloroethane-d5	1.907	69	33148	3.889	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	2.560	65	14106	3.938	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.800%
20) 2-Butanone-d5	4.644	46	90552	42.213	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.420%
24) Chloroform-d	5.055	84	80516	4.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
26) 1,2-Dichloroethane-d4	5.695	65	39504	4.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.721	84	155596	4.394	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.682	67	50604	4.484	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.894	98	130665	4.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
43) trans-1,3-Dichloroprop...	8.177	79	16517	4.300	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.631	63	78457	46.026	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.060%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	44692	4.450	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	58461	4.813	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	2465	0.183	ug/L #	59
16) Methylene chloride	3.042	84	2814	0.228	ug/L	84
33) Benzene	5.769	78	33765	0.773	ug/L	100
35) Methylcyclohexane	6.762	83	5606	0.369	ug/L #	85
37) 1,2-Dichloropropane	6.685	63	5199	0.441	ug/L #	88
42) Toluene	7.965	91	33975	0.731	ug/L	100
51) Chlorobenzene	9.444	112	8876	0.292	ug/L	96
53) m,p-Xylene	9.692	106	6272	0.350	ug/L	92
54) o-Xylene	10.097	106	10303	0.602	ug/L	93
60) Isopropylbenzene	10.479	105	9322	0.212	ug/L	96
61) 1,2,3-Trichloropropane	11.807	75	6362	0.897	ug/L #	59
62) 1,3,5-Trimethylbenzene	11.084	105	17805	0.530	ug/L	95
63) 1,2,4-Trimethylbenzene	11.463	105	57949	1.783	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	27878	1.156	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	118386	5.223	ug/L	98
71) Naphthalene	14.084	128	33170	1.721	ug/L #	95

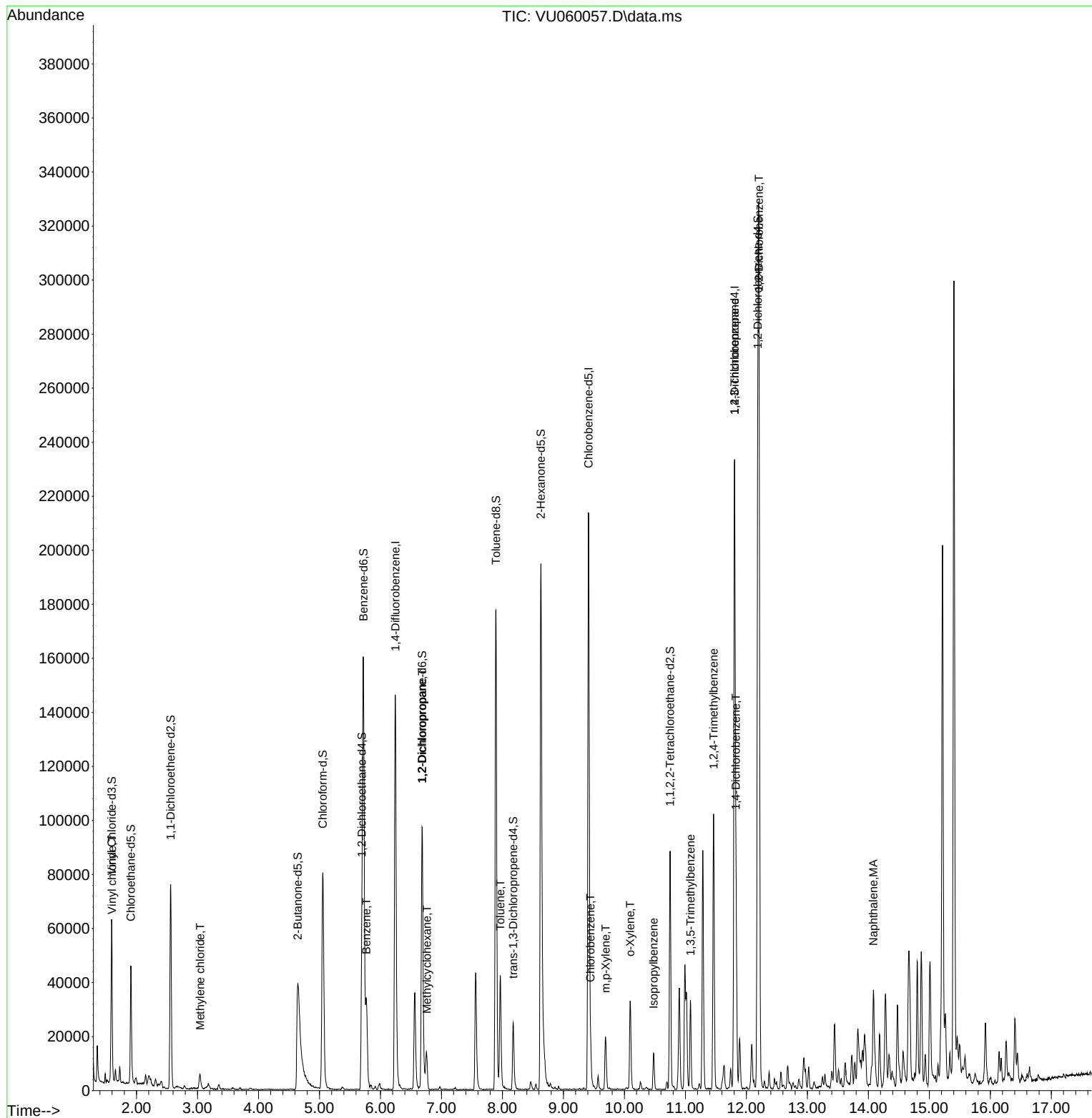
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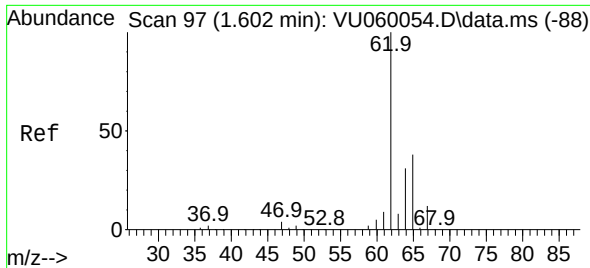
Instrument :
MSVOA_U
ClientSampleId :

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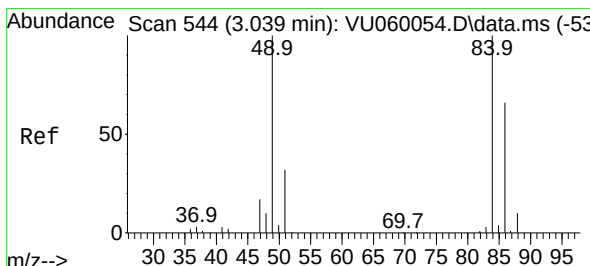
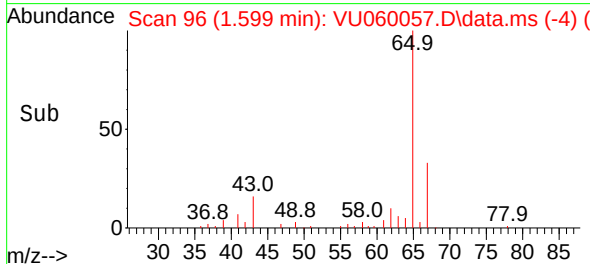
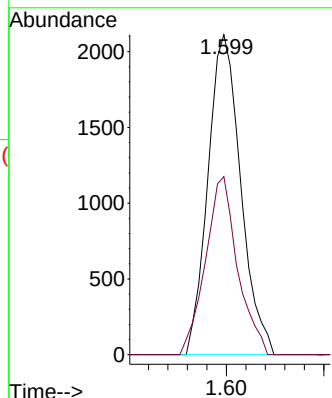
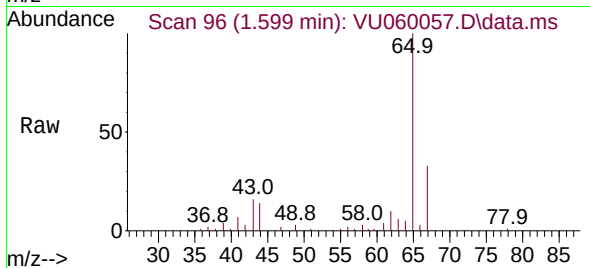




#5
 Vinyl chloride
 Concen: 0.183 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU060057.D
 Acq: 19 Jul 2024 13:58

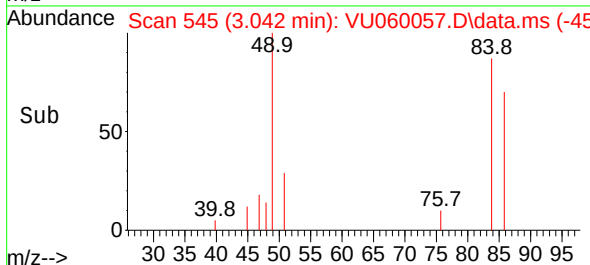
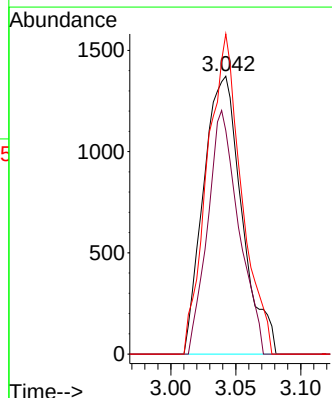
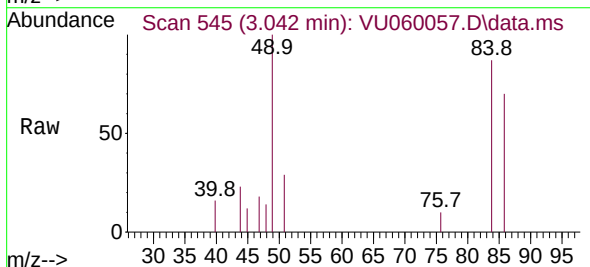
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 MSVOA_U
 ClientSampleId :

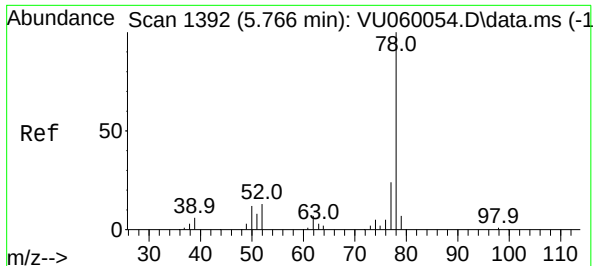
Tgt Ion: 62 Resp: 2465
 Ion Ratio Lower Upper
 62 100
 64 55.6 22.8 42.4#



#16
 Methylene chloride
 Concen: 0.228 ug/L
 RT: 3.042 min Scan# 545
 Delta R.T. 0.003 min
 Lab File: VU060057.D
 Acq: 19 Jul 2024 13:58

Tgt Ion: 84 Resp: 2814
 Ion Ratio Lower Upper
 84 100
 86 80.5 44.4 82.5
 49 115.2 72.0 133.6





#33

Benzene

Concen: 0.773 ug/L

RT: 5.769 min Scan# 14

Delta R.T. 0.003 min

Lab File: VU060057.D

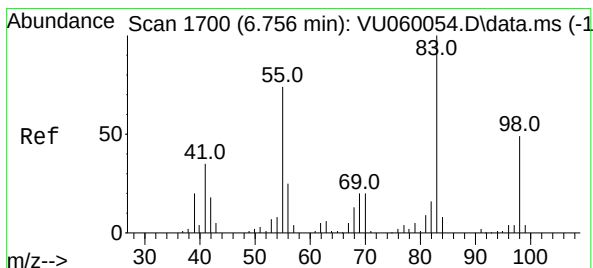
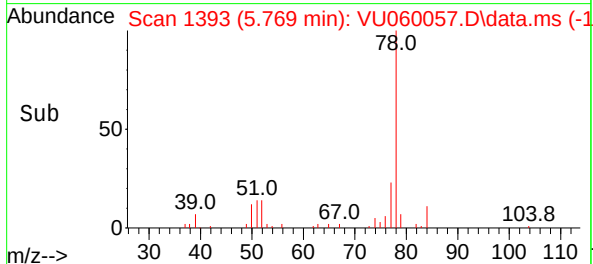
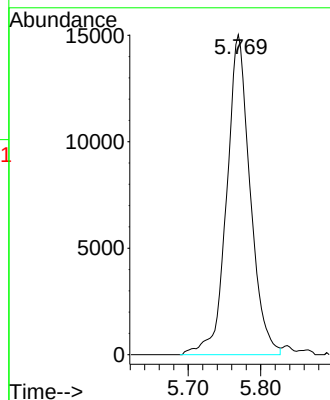
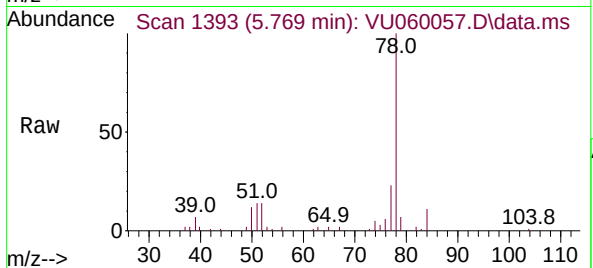
Acq: 19 Jul 2024 13:58

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 33765



#35

Methylcyclohexane

Concen: 0.369 ug/L

RT: 6.762 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VU060057.D

Acq: 19 Jul 2024 13:58

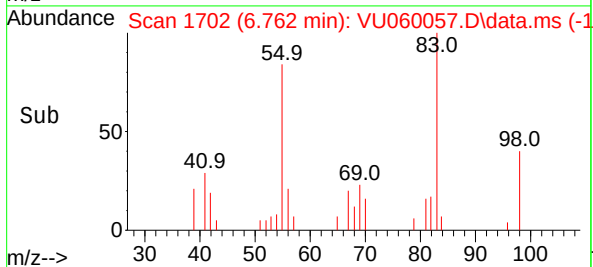
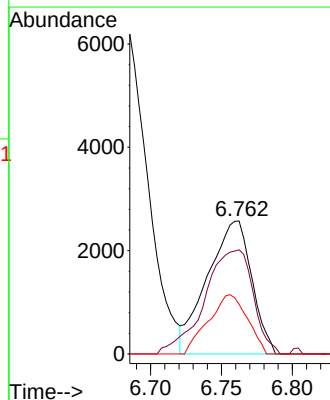
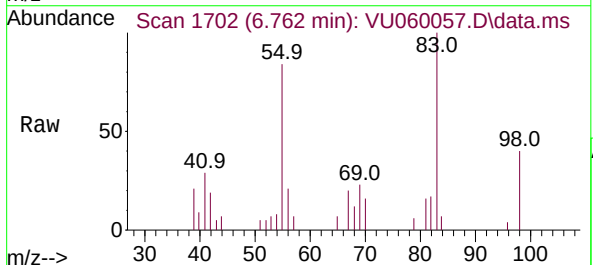
Tgt Ion: 83 Resp: 5606

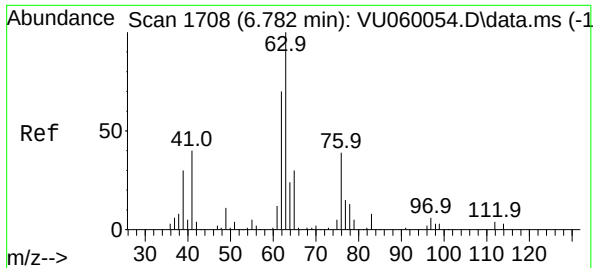
Ion Ratio Lower Upper

83 100

55 85.7 56.7 85.1#

98 39.1 36.6 55.0

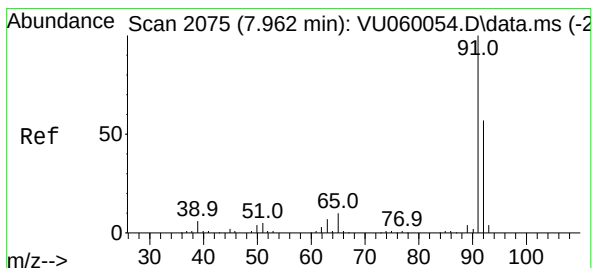
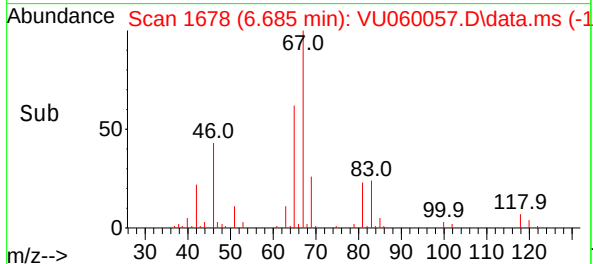
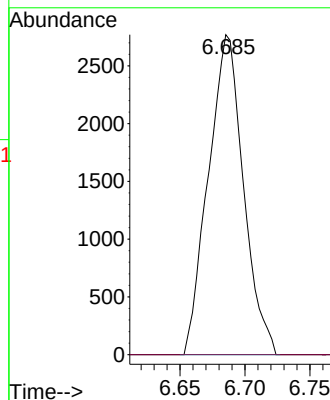
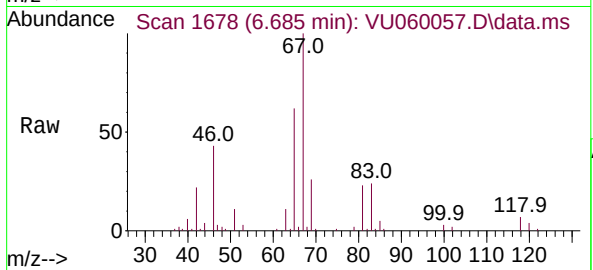




#37
1,2-Dichloropropane
Concen: 0.441 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU060057.D
Acq: 19 Jul 2024 13:58

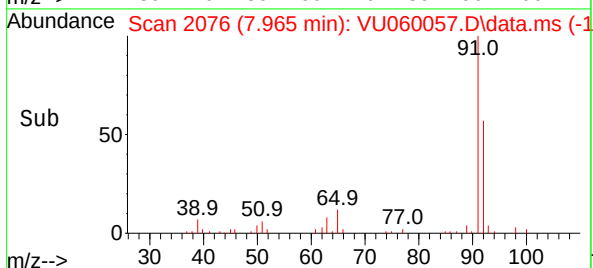
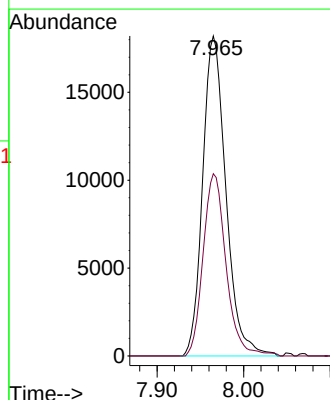
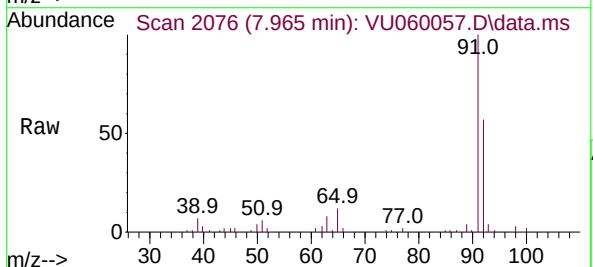
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MSVOA_U
ClientSampleId :

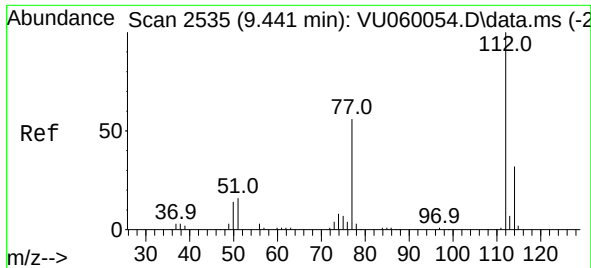
Tgt Ion: 63 Resp: 5199
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#42
Toluene
Concen: 0.731 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU060057.D
Acq: 19 Jul 2024 13:58

Tgt Ion: 91 Resp: 33975
Ion Ratio Lower Upper
91 100
92 56.9 39.8 73.8





#51

Chlorobenzene

Concen: 0.292 ug/L

RT: 9.444 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU060057.D

Acq: 19 Jul 2024 13:58

Instrument :

MSVOA_U

ClientSampleId :

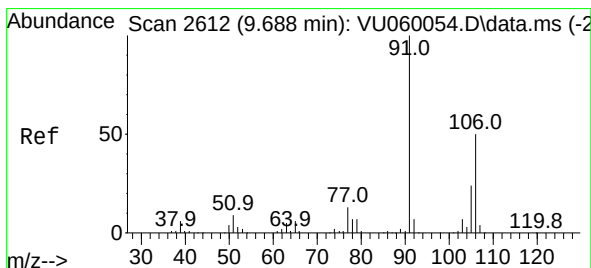
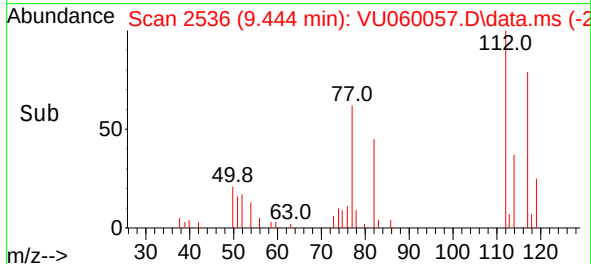
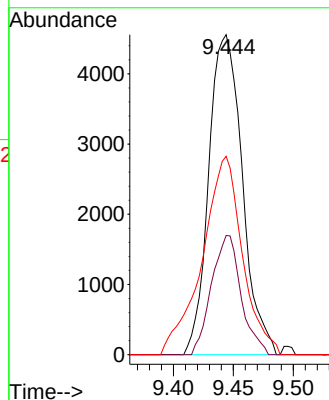
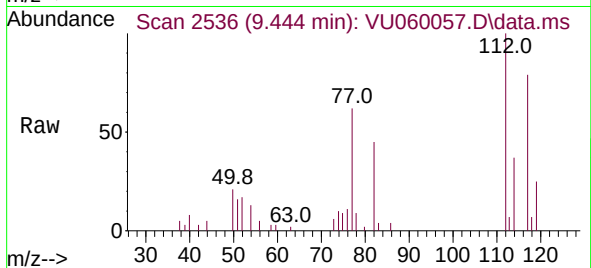
Tgt Ion:112 Resp: 8876

Ion Ratio Lower Upper

112 100

114 34.7 22.1 41.1

77 57.7 44.7 67.1



#53

m,p-Xylene

Concen: 0.350 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.003 min

Lab File: VU060057.D

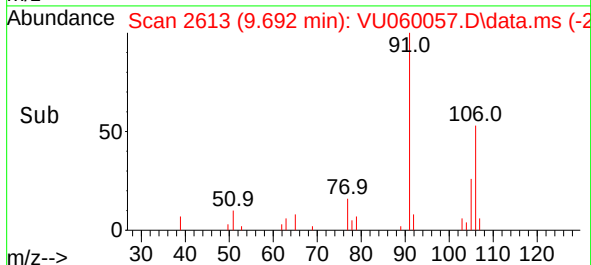
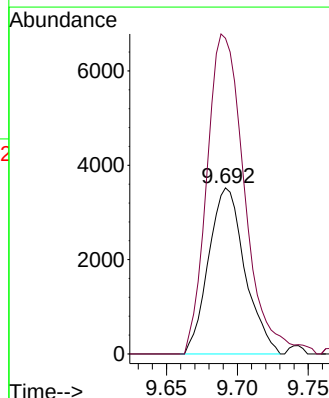
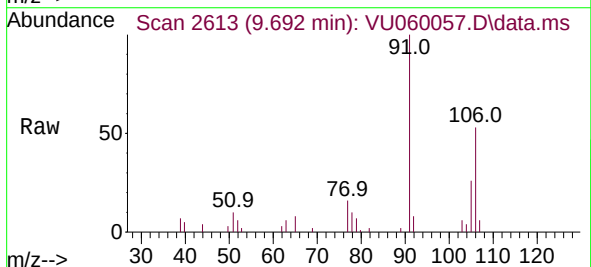
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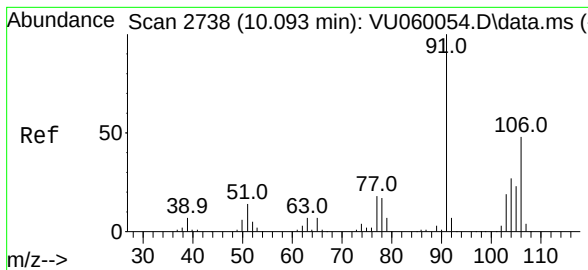
Tgt Ion:106 Resp: 6272

Ion Ratio Lower Upper

106 100

91 190.1 141.3 262.5





#54

o-Xylene

Concen: 0.602 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU060057.D

Acq: 19 Jul 2024 13:58

Instrument :

MSVOA_U

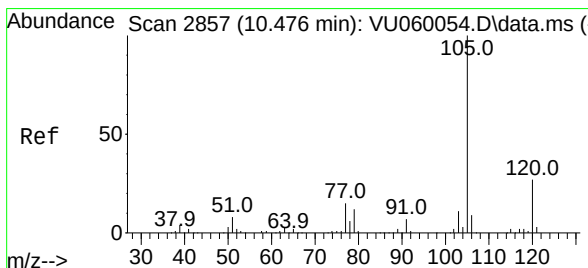
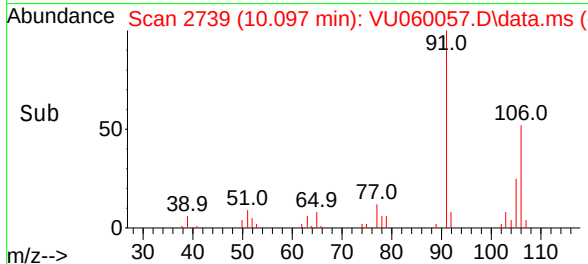
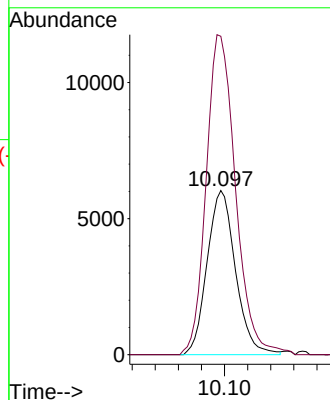
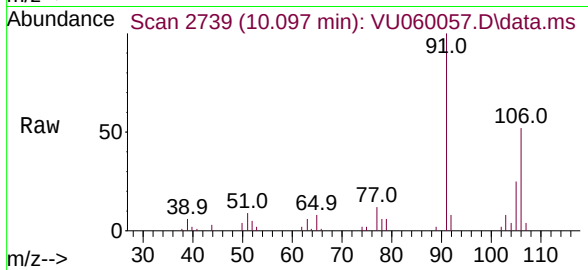
ClientSampleId :

Tgt Ion:106 Resp: 10303

Ion Ratio Lower Upper

106 100

91 194.0 143.6 266.6



#60

Isopropylbenzene

Concen: 0.212 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.003 min

Lab File: VU060057.D

Acq: 19 Jul 2024 13:58

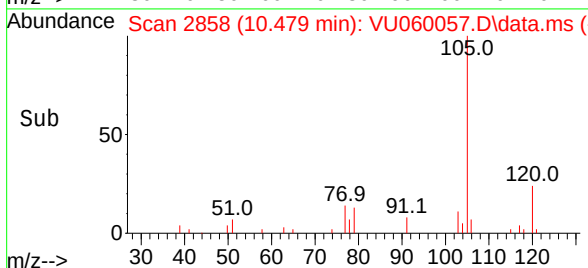
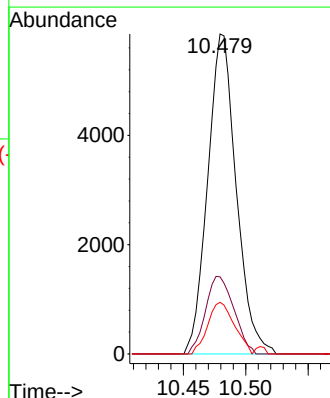
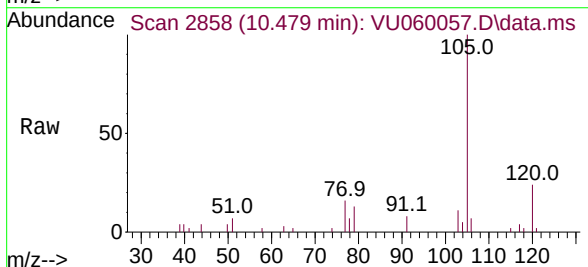
Tgt Ion:105 Resp: 9322

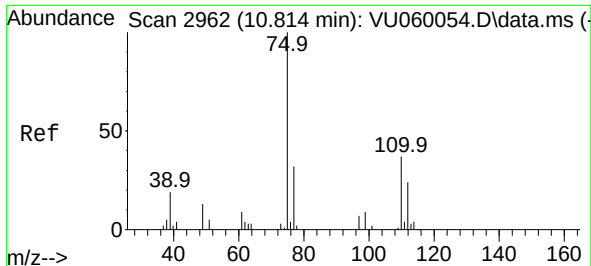
Ion Ratio Lower Upper

105 100

120 24.1 21.9 32.9

77 15.1 12.1 18.1

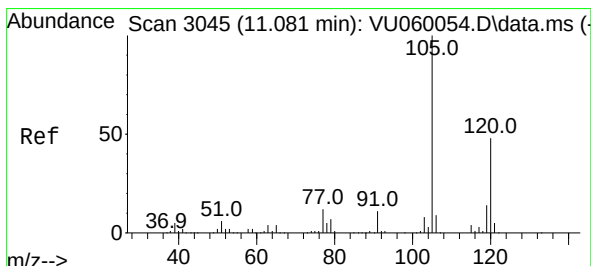
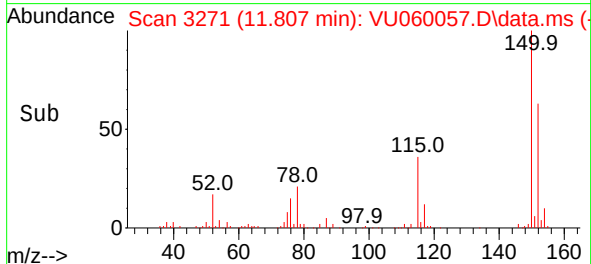
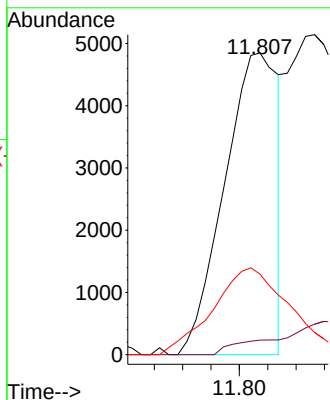
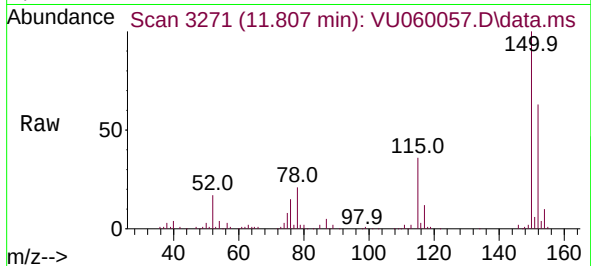




#61
1,2,3-Trichloropropane
Concen: 0.897 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.994 min
Lab File: VU060057.D
Acq: 19 Jul 2024 13:58

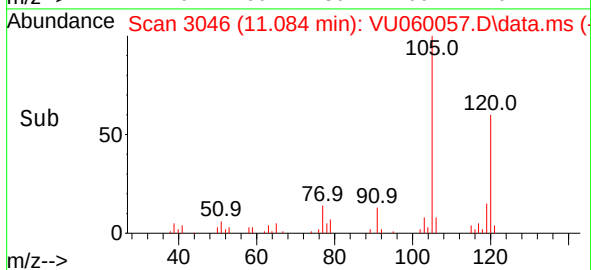
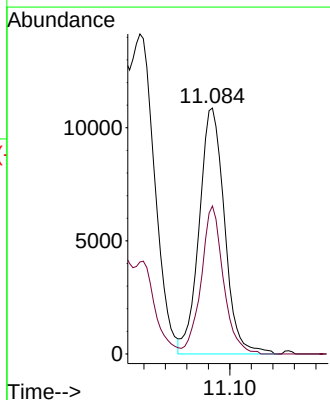
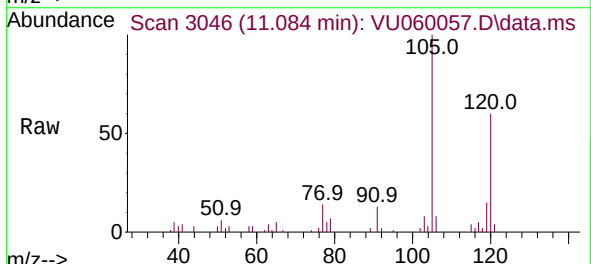
Instrument :
MSVOA_U
ClientSampleId :

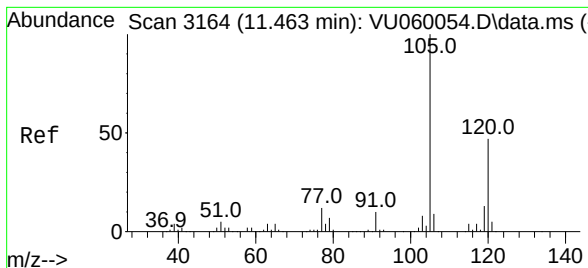
Tgt Ion: 75 Resp: 6362
Ion Ratio Lower Upper
75 100
110 0.0 30.8 46.2#
77 40.8 26.2 39.2#



#62
1,3,5-Trimethylbenzene
Concen: 0.530 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU060057.D
Acq: 19 Jul 2024 13:58

Tgt Ion:105 Resp: 17805
Ion Ratio Lower Upper
105 100
120 52.8 39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 1.783 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU060057.D

Acq: 19 Jul 2024 13:58

Instrument :

MSVOA_U

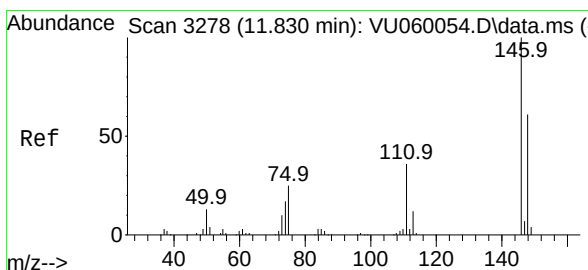
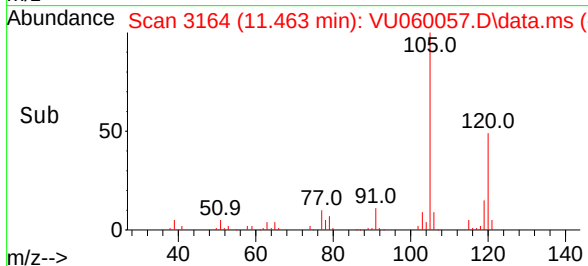
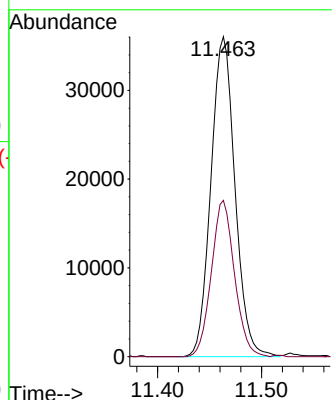
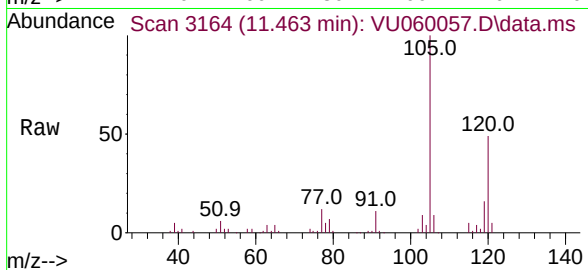
ClientSampleId :

Tgt Ion:105 Resp: 57949

Ion Ratio Lower Upper

105 100

120 46.9 36.7 55.1



#65

1,4-Dichlorobenzene

Concen: 1.156 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU060057.D

Acq: 19 Jul 2024 13:58

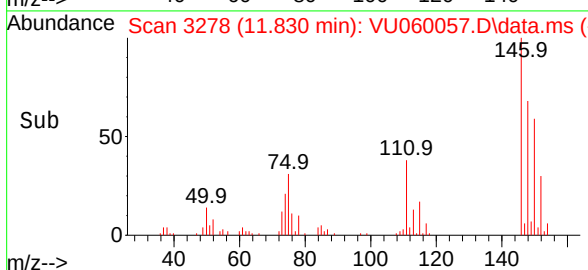
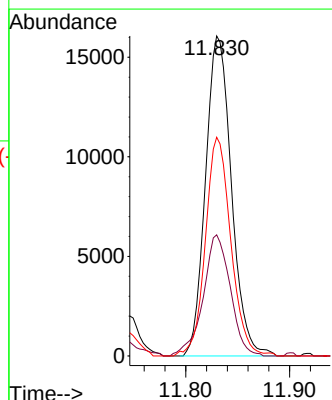
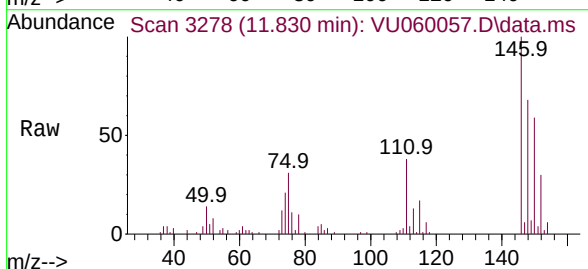
Tgt Ion:146 Resp: 27878

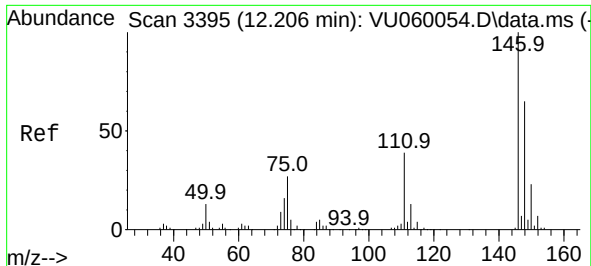
Ion Ratio Lower Upper

146 100

111 37.9 26.5 49.1

148 68.4 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 5.223 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU060057.D

Acq: 19 Jul 2024 13:58

Instrument :

MSVOA_U

ClientSampleId :

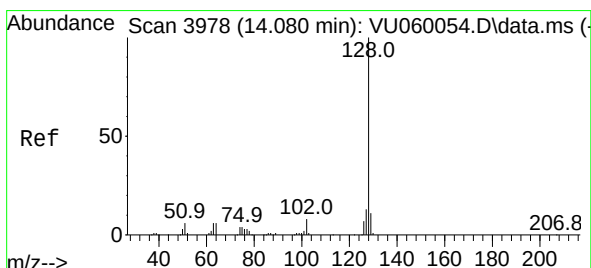
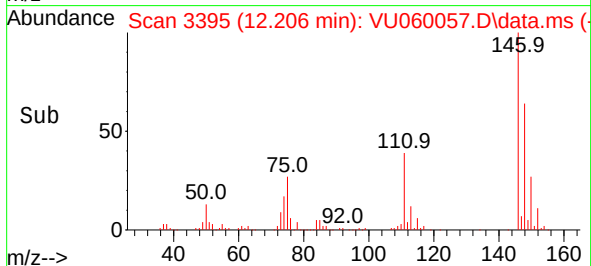
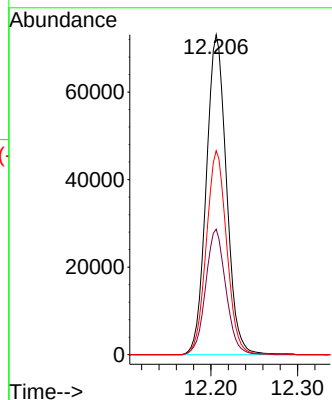
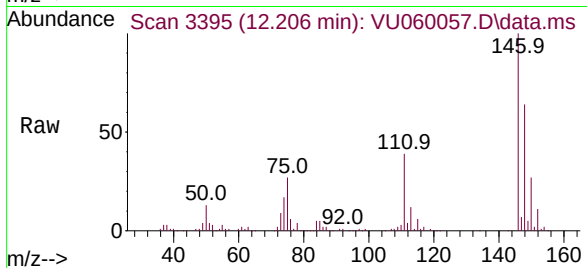
Tgt Ion:146 Resp: 118386

Ion Ratio Lower Upper

146 100

111 39.2 30.9 46.3

148 63.8 49.8 74.8



#71

Naphthalene

Concen: 1.721 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU060057.D

Acq: 19 Jul 2024 13:58

Tgt Ion:128 Resp: 33170

Ion Ratio Lower Upper

128 100

129 14.0 8.2 12.4#

127 12.6 10.6 16.0

