

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092724\
 Data File : VV037607.D
 Acq On : 27 Sep 2024 15:37
 Operator : SY/MD
 Sample : P4184-02DL 10X
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 23:50:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 23:45:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	630272	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	616651	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	329980	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	227312	41.085	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.160%		
7) Chloroethane-d5	1.513	69	181782	42.328	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.660%		
11) 1,1-Dichloroethene-d2	2.053	65	99167	42.901	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.800%		
21) 2-Butanone-d5	3.793	46	185845	94.305	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.310%		
24) Chloroform-d	4.239	84	418372	42.502	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.000%		
26) 1,2-Dichloroethane-d4	4.934	65	254331	44.142	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.280%		
32) Benzene-d6	4.950	84	849316	44.015	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.020%		
36) 1,2-Dichloropropane-d6	5.982	67	269988	43.940	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.880%		
41) Toluene-d8	7.236	98	735210	42.019	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.040%		
43) trans-1,3-Dichloroprop...	7.548	79	119848	41.988	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.980%		
47) 2-Hexanone-d5	8.024	63	112423	86.648	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	86.650%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	315570	44.201	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.400%		
66) 1,2-Dichlorobenzene-d4	11.554	152	311450	44.791	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.580%		
Target Compounds						Qvalue
5) Vinyl chloride	1.281	62	225865	40.445	ug/L	100
8) Chloroethane	1.532	64	141998	41.254	ug/L	98
12) 1,1-Dichloroethene	2.056	96	5179	1.234	ug/L #	1
17) trans-1,2-Dichloroethene	2.686	96	8290	1.868	ug/L	90
19) 1,1-Dichloroethane	3.101	63	616656	72.505	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	291665	58.715	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	31684	4.172	ug/L	97
34) Trichloroethene	5.837	95	9142	1.846	ug/L	94
42) Toluene	7.320	91	44194	2.292	ug/L	98
52) Ethylbenzene	8.943	91	172245	7.937	ug/L	100
53) m,p-Xylene	9.066	106	183545	22.725	ug/L	98
54) o-Xylene	9.474	106	87713	11.123	ug/L	99
60) Isopropylbenzene	10.670	105	229199	10.684	ug/L	92
62) 1,3,5-Trimethylbenzene	10.471	105	132463	7.810	ug/L	95
63) 1,2,4-Trimethylbenzene	10.844	105	866771	51.362	ug/L	100
71) Naphthalene	13.442	128	26969	1.567	ug/L #	93

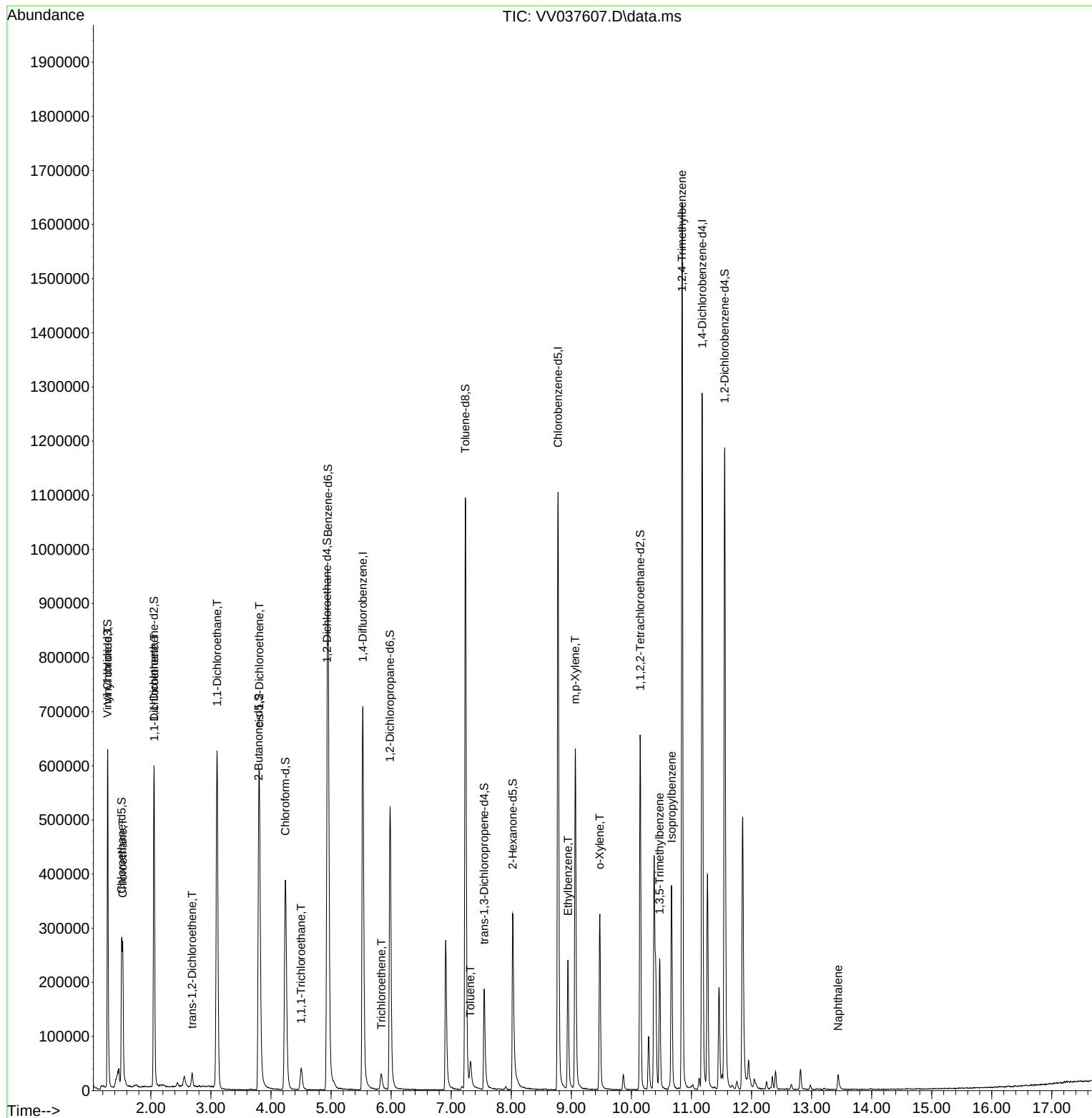
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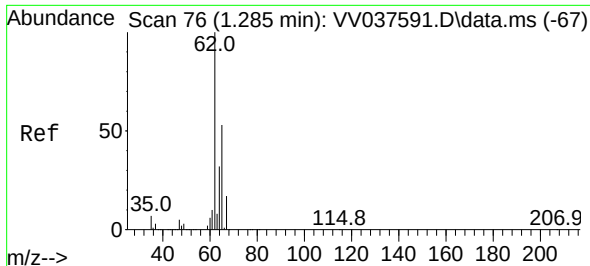
Instrument :
MSVOA_V
ClientSampleId :

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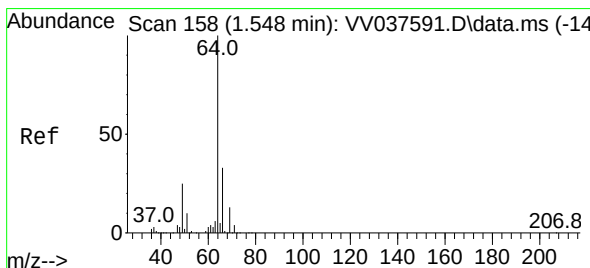
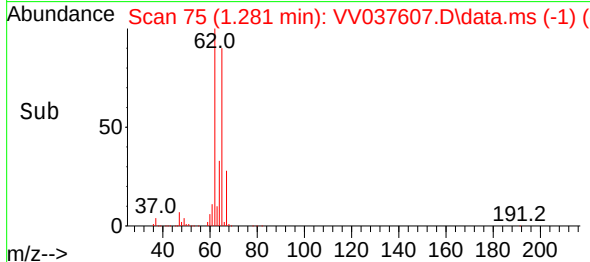
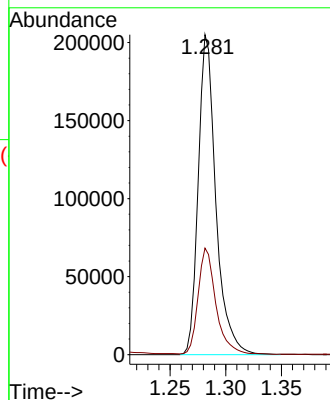
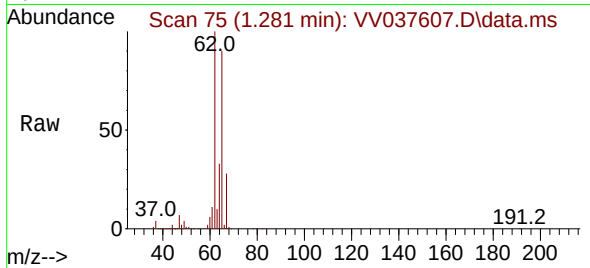




#5
 Vinyl chloride
 Concen: 40.445 ug/L
 RT: 1.281 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV037607.D
 Acq: 27 Sep 2024 15:37

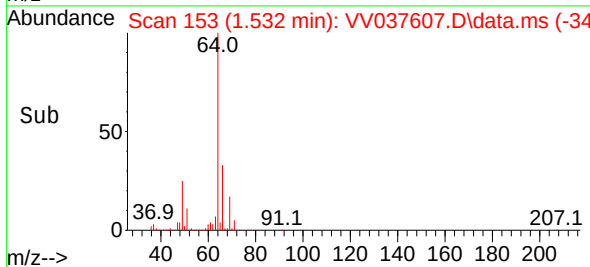
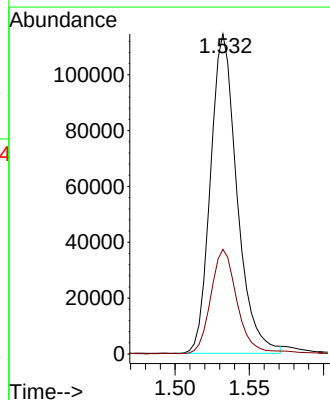
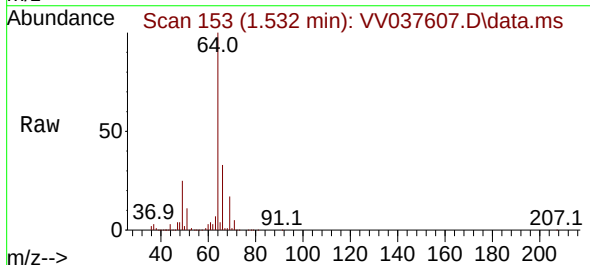
Instrument :
 MSVOA_V
 ClientSampleId :

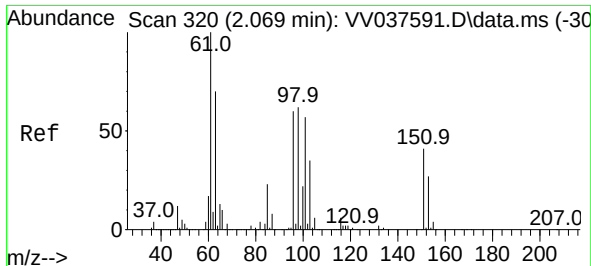
Tgt Ion: 62 Resp: 225865
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.2 43.0



#8
 Chloroethane
 Concen: 41.254 ug/L
 RT: 1.532 min Scan# 153
 Delta R.T. -0.016 min
 Lab File: VV037607.D
 Acq: 27 Sep 2024 15:37

Tgt Ion: 64 Resp: 141998
 Ion Ratio Lower Upper
 64 100
 66 32.7 22.2 41.2





#12

1,1-Dichloroethene

Concen: 1.234 ug/L

RT: 2.056 min Scan# 316

Delta R.T. -0.013 min

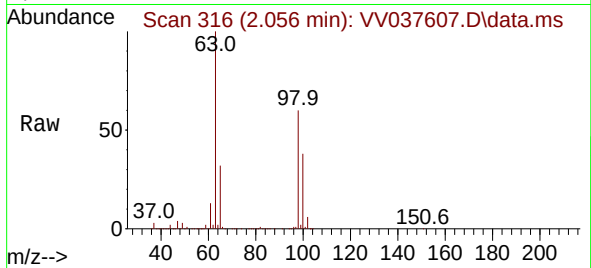
Lab File: VV037607.D

Acq: 27 Sep 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :



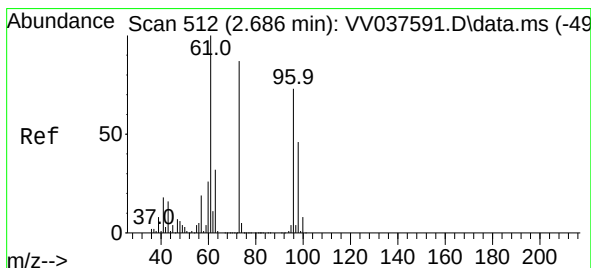
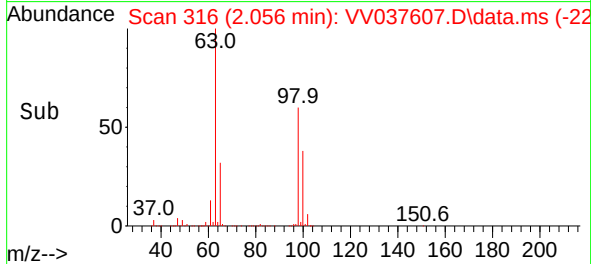
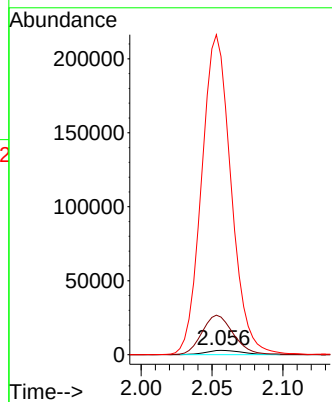
Tgt Ion: 96 Resp: 5179

Ion Ratio Lower Upper

96 100

61 852.6 122.6 227.6#

63 6765.0 118.0 219.2#



#17

trans-1,2-Dichloroethene

Concen: 1.868 ug/L

RT: 2.686 min Scan# 512

Delta R.T. 0.000 min

Lab File: VV037607.D

Acq: 27 Sep 2024 15:37

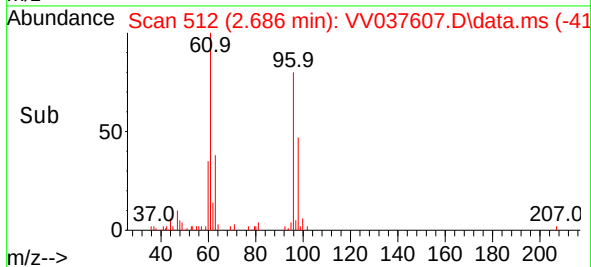
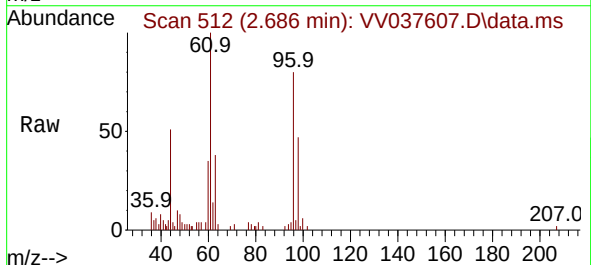
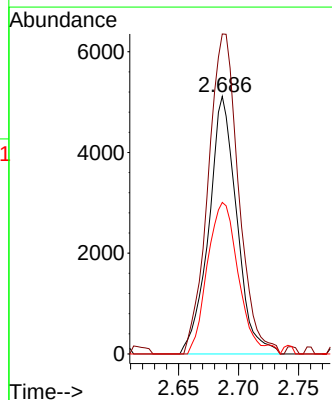
Tgt Ion: 96 Resp: 8290

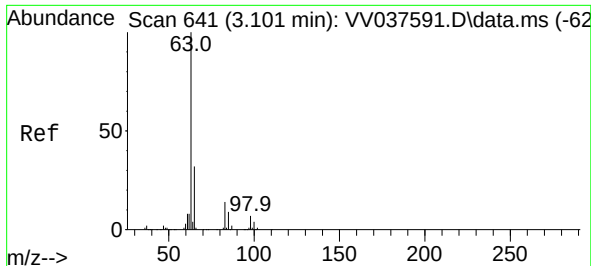
Ion Ratio Lower Upper

96 100

61 124.3 97.3 180.7

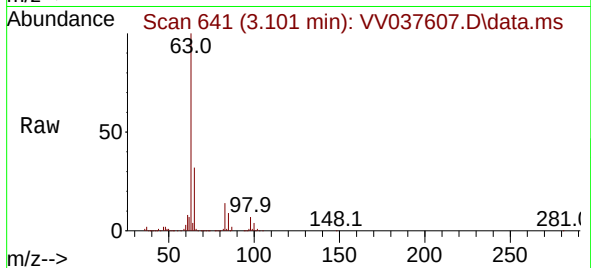
98 58.8 43.9 81.5



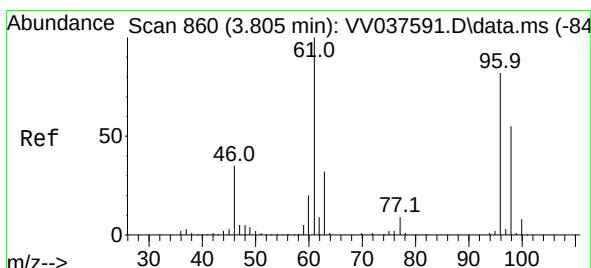
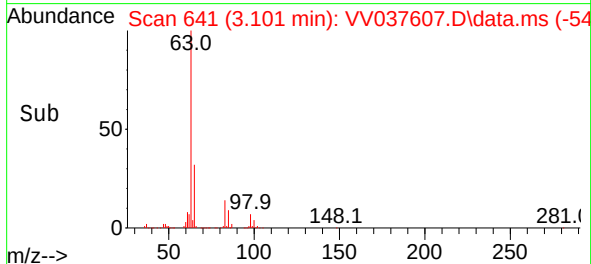
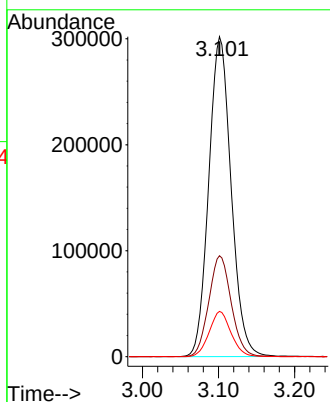


#19
1,1-Dichloroethane
Concen: 72.505 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.000 min
Lab File: VV037607.D
Acq: 27 Sep 2024 15:37

Instrument :
MSVOA_V
ClientSampleId :

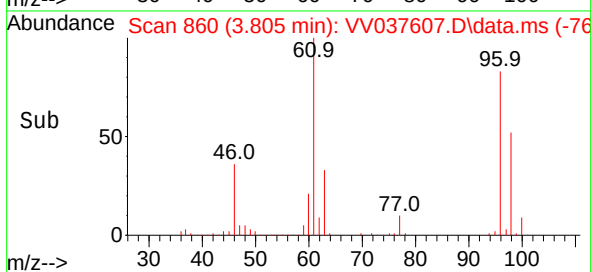
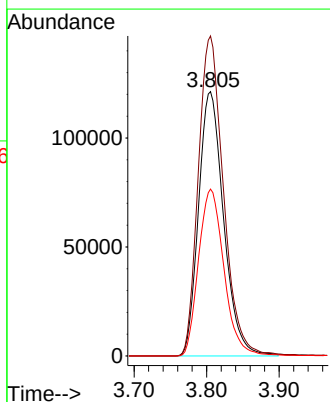
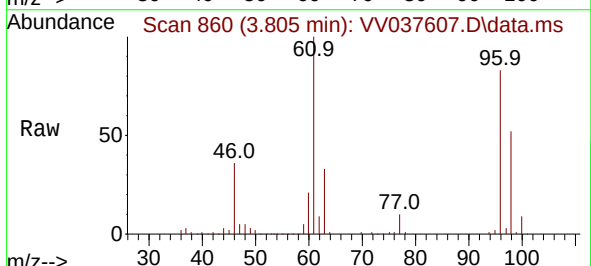


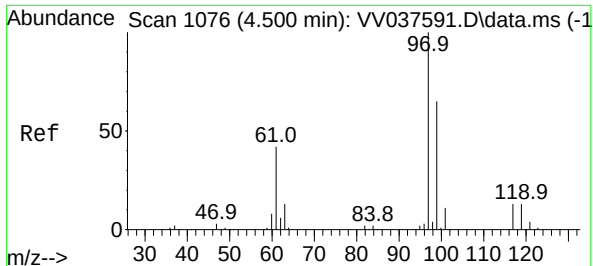
Tgt Ion: 63 Resp: 616656
Ion Ratio Lower Upper
63 100
65 31.6 22.4 41.6
83 14.2 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 58.715 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.000 min
Lab File: VV037607.D
Acq: 27 Sep 2024 15:37

Tgt Ion: 96 Resp: 291665
Ion Ratio Lower Upper
96 100
61 121.1 85.0 157.8
98 63.2 44.2 82.0





#30

1,1,1-Trichloroethane

Concen: 4.172 ug/L

RT: 4.503 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV037607.D

Acq: 27 Sep 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

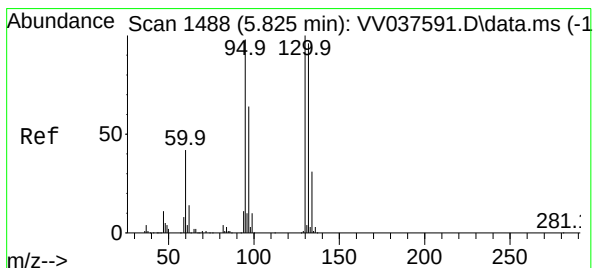
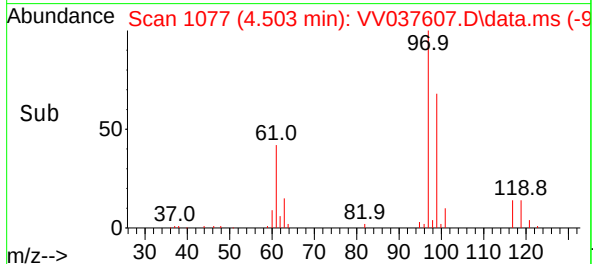
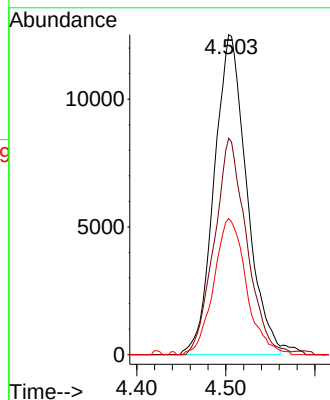
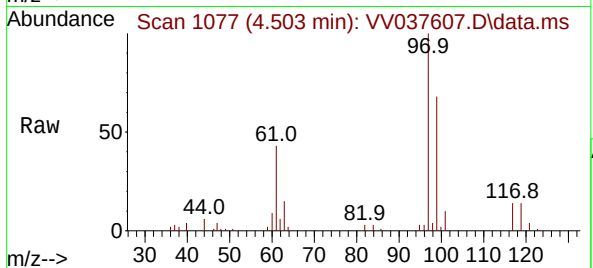
Tgt Ion: 97 Resp: 31684

Ion Ratio Lower Upper

97 100

99 67.5 51.8 77.6

61 42.7 33.6 50.4



#34

Trichloroethene

Concen: 1.846 ug/L

RT: 5.837 min Scan# 1492

Delta R.T. 0.013 min

Lab File: VV037607.D

Acq: 27 Sep 2024 15:37

Tgt Ion: 95 Resp: 9142

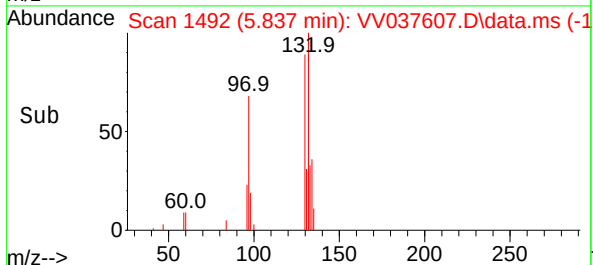
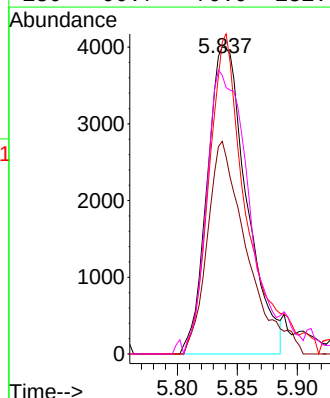
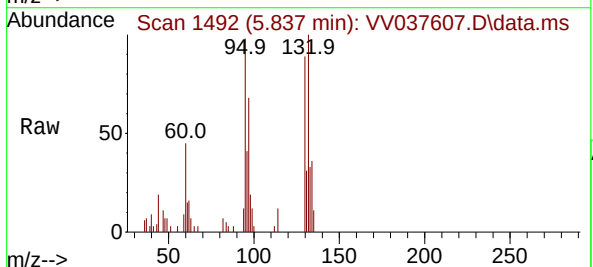
Ion Ratio Lower Upper

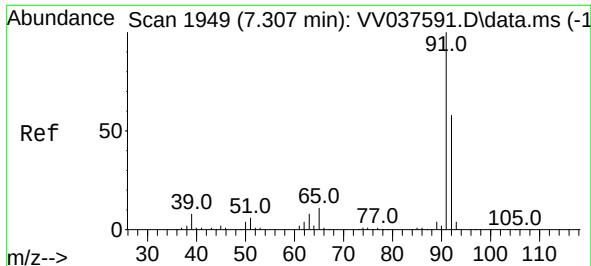
95 100

97 69.2 46.3 85.9

132 101.5 68.6 127.4

130 90.7 70.9 131.7





#42

Toluene

Concen: 2.292 ug/L

RT: 7.320 min Scan# 1949

Delta R.T. 0.013 min

Lab File: VV037607.D

Acq: 27 Sep 2024 15:37

Instrument :

MSVOA_V

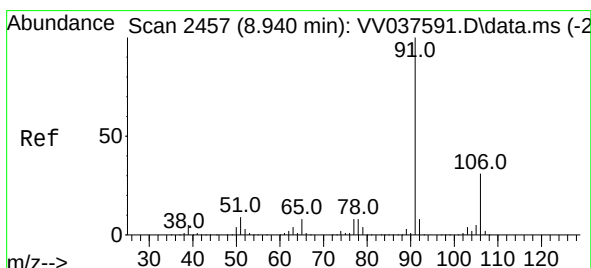
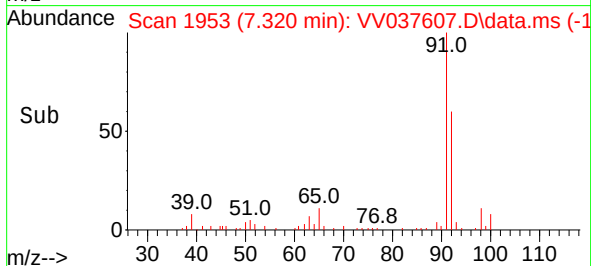
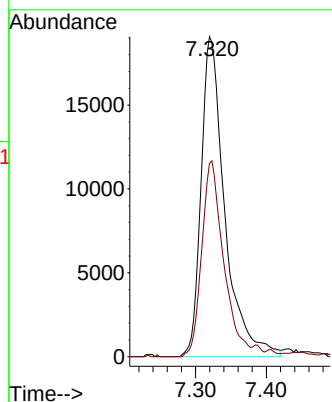
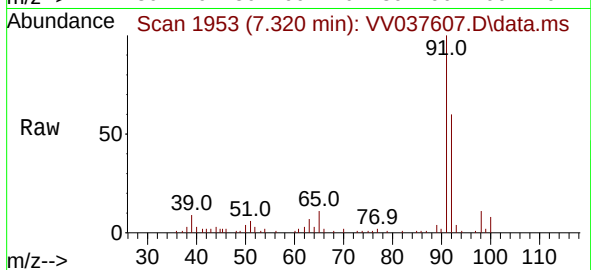
ClientSampleId :

Tgt Ion: 91 Resp: 44194

Ion Ratio Lower Upper

91 100

92 60.4 41.1 76.3



#52

Ethylbenzene

Concen: 7.937 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV037607.D

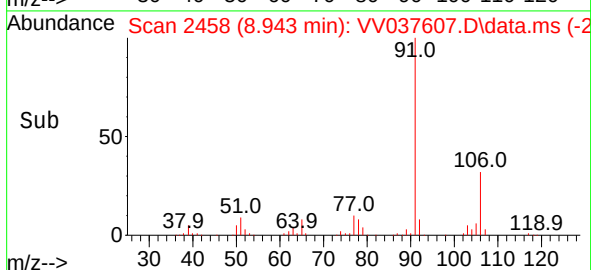
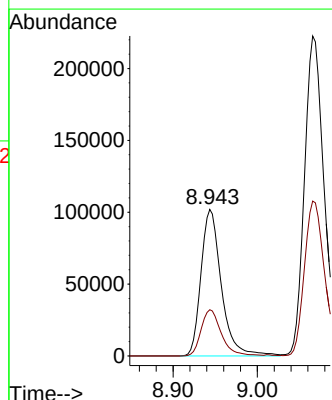
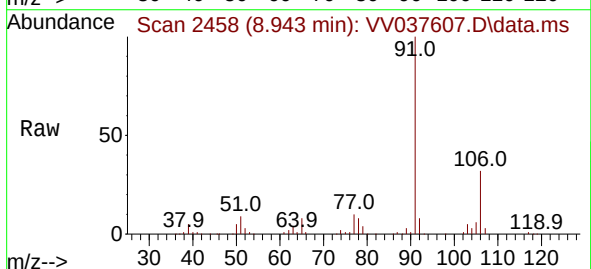
Acq: 27 Sep 2024 15:37

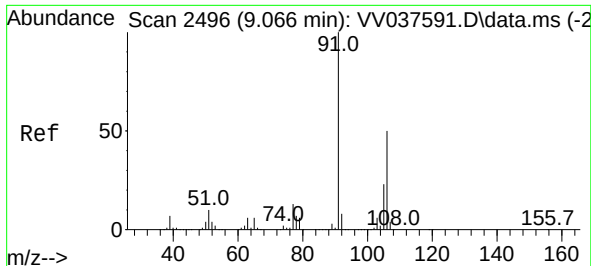
Tgt Ion: 91 Resp: 172245

Ion Ratio Lower Upper

91 100

106 31.6 21.9 40.7





#53

m,p-Xylene

Concen: 22.725 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037607.D

Acq: 27 Sep 2024 15:37

Instrument :

MSVOA_V

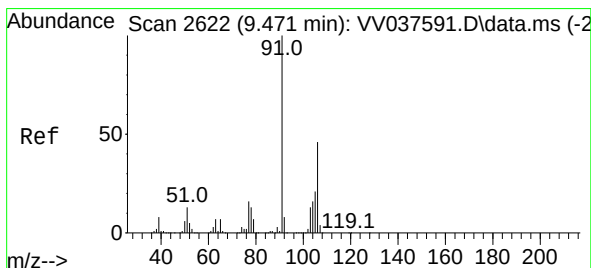
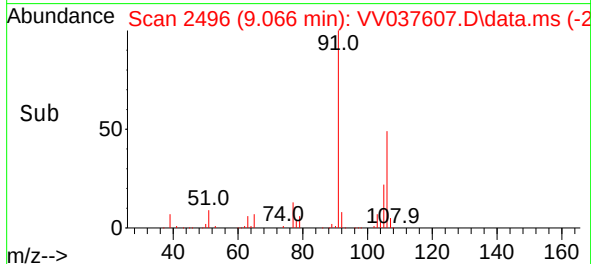
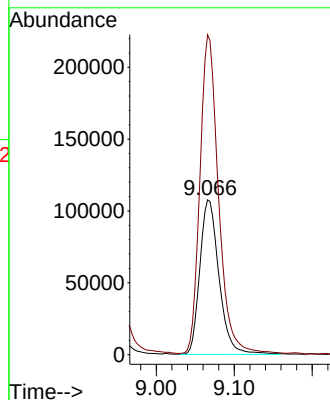
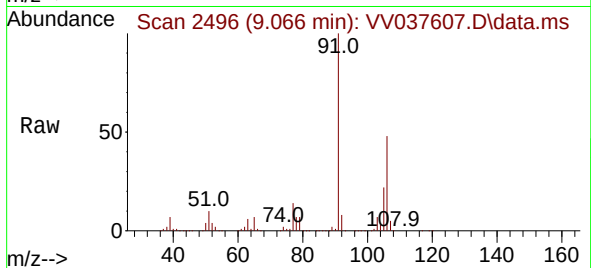
ClientSampleId :

Tgt Ion:106 Resp: 183545

Ion Ratio Lower Upper

106 100

91 206.6 142.0 263.6



#54

o-Xylene

Concen: 11.123 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. 0.003 min

Lab File: VV037607.D

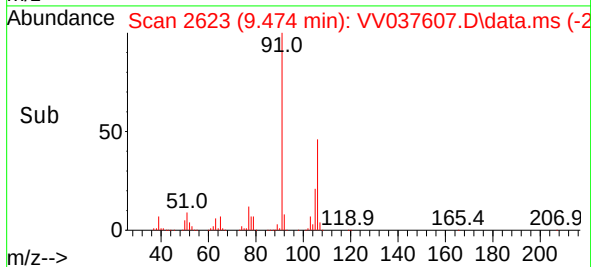
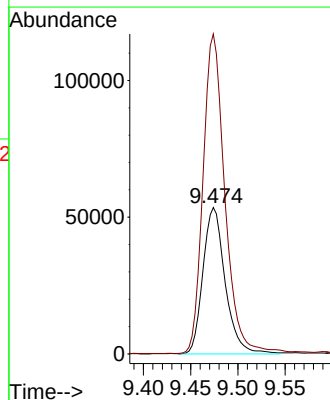
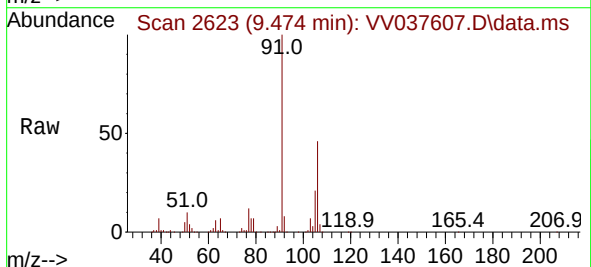
Acq: 27 Sep 2024 15:37

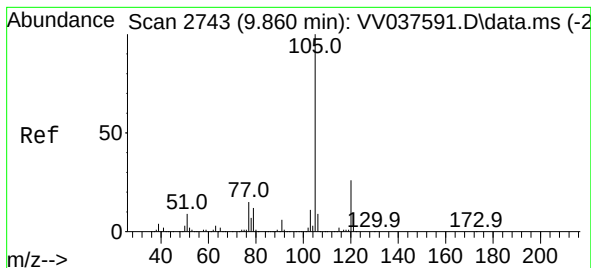
Tgt Ion:106 Resp: 87713

Ion Ratio Lower Upper

106 100

91 218.5 153.9 285.9





#60

Isopropylbenzene

Concen: 10.684 ug/L

RT: 10.670 min Scan# 20

Delta R.T. 0.810 min

Lab File: VV037607.D

Acq: 27 Sep 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

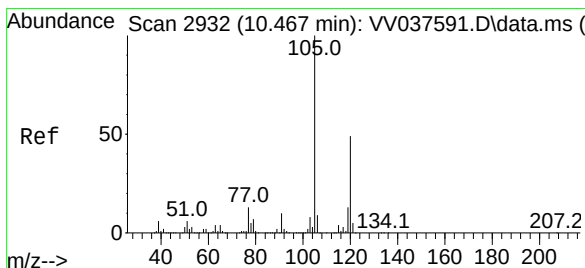
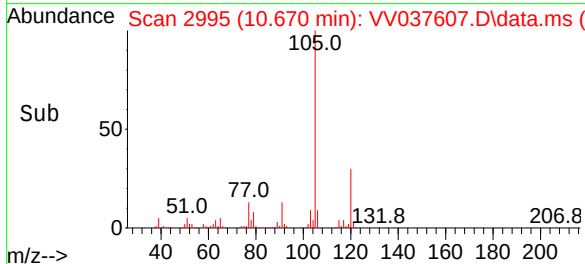
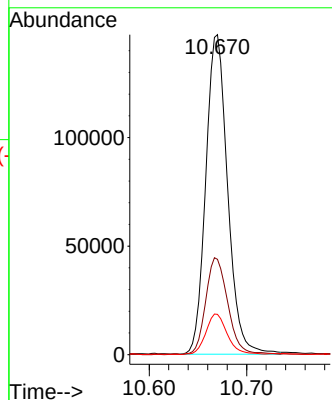
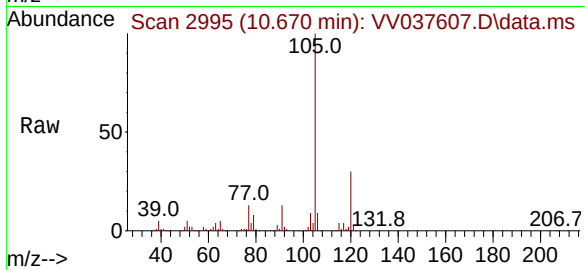
Tgt Ion:105 Resp: 229199

Ion Ratio Lower Upper

105 100

120 30.1 20.7 31.1

77 12.3 12.2 18.2



#62

1,3,5-Trimethylbenzene

Concen: 7.810 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV037607.D

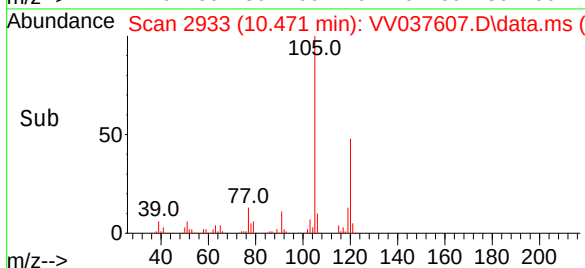
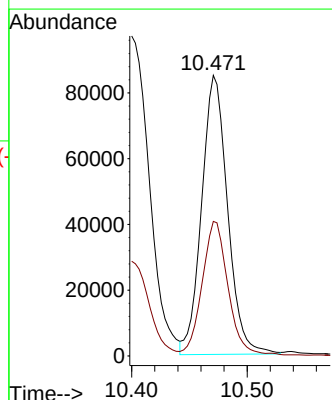
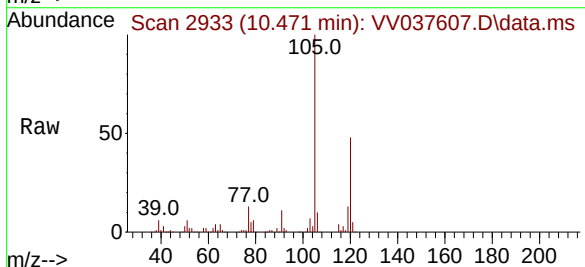
Acq: 27 Sep 2024 15:37

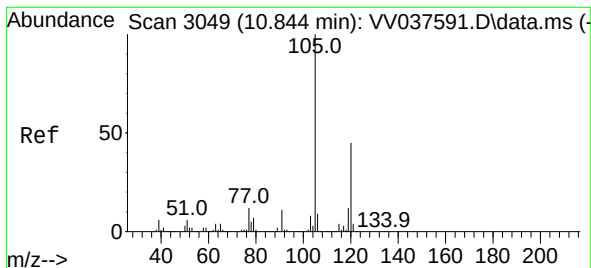
Tgt Ion:105 Resp: 132463

Ion Ratio Lower Upper

105 100

120 45.9 39.3 58.9





#63

1,2,4-Trimethylbenzene

Concen: 51.362 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037607.D

Acq: 27 Sep 2024 15:37

Instrument :

MSVOA_V

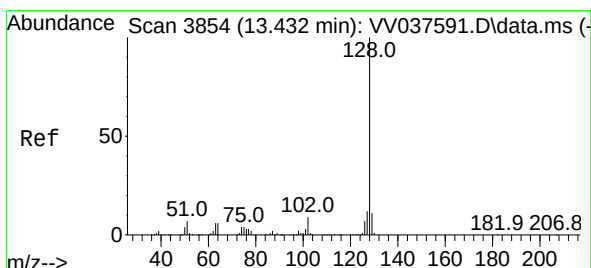
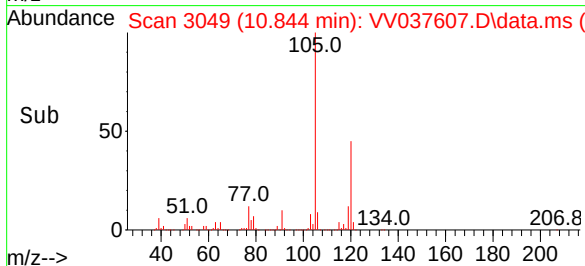
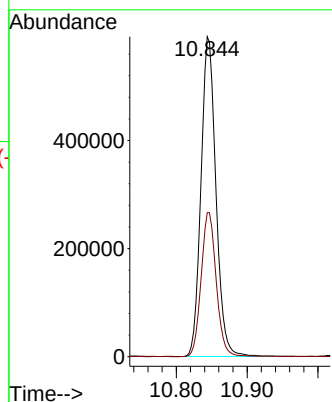
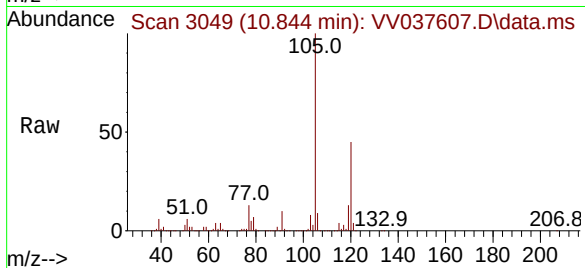
ClientSampleId :

Tgt Ion:105 Resp: 866771

Ion Ratio Lower Upper

105 100

120 45.4 36.2 54.2



#71

Naphthalene

Concen: 1.567 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.010 min

Lab File: VV037607.D

Acq: 27 Sep 2024 15:37

Tgt Ion:128 Resp: 26969

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.4

129 6.2 8.5 12.7#

