

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061124\
 Data File : VV036033.D
 Acq On : 11 Jun 2024 14:47
 Operator : SY/MD
 Sample : P2798-03
 Misc : 5.07g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 12 02:07:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 12 02:05:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	202164	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	212992	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	99516	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	254061	68.355	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 273.440%#	
7) Chloroethane-d5	1.529	69	221918	74.880	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 299.520%#	
11) 1,1-Dichloroethene-d2	2.053	65	118139	71.399	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 285.600%#	
21) 2-Butanone-d5	3.818	46	190700	223.625	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	= 447.240%#	
24) Chloroform-d	4.240	84	512641	79.761	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 319.040%#	
26) 1,2-Dichloroethane-d4	4.934	65	299983	89.020	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 356.080%#	
32) Benzene-d6	4.950	84	1011831	79.919	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 319.680%#	
36) 1,2-Dichloropropane-d6	5.982	67	333397	83.621	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 334.480%#	
41) Toluene-d8	7.236	98	860701	77.048	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 308.200%#	
43) trans-1,3-Dichloroprop...	7.548	79	139770	85.499	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 342.000%#	
47) 2-Hexanone-d5	8.027	63	143516	265.680	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 531.360%#	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	324878	109.043	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 436.160%#	
66) 1,2-Dichlorobenzene-d4	11.558	152	342840	93.945	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 375.800%#	
Target Compounds						Qvalue
5) Vinyl chloride	1.278	62	29663	6.735	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	2.053	101	3382	0.974	ug/L #	29
12) 1,1-Dichloroethene	2.056	96	3529	1.090	ug/L #	1
16) Methylene chloride	2.442	84	31027	6.783	ug/L	97
19) 1,1-Dichloroethane	3.111	63	3878	0.592	ug/L	96
20) cis-1,2-Dichloroethene	3.805	96	545101	157.748	ug/L	99
25) Chloroform	4.262	83	11736	1.742	ug/L #	72
27) 1,2-Dichloroethane	4.947	62	5373	1.277	ug/L	96
33) Benzene	4.957	78	8141	0.584	ug/L	100
34) Trichloroethene	5.831	95	33051	7.741	ug/L	98
42) Toluene	7.326	91	13961	0.981	ug/L	92
46) Tetrachloroethene	7.902	164	37981	12.164	ug/L	98
48) 2-Hexanone	8.024	43	15759	10.143	ug/L #	73
57) 1,1,2,2-Tetrachloroethane	10.152	83	1822	0.672	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	12.185	75	1357	2.578	ug/L #	13
71) Naphthalene	13.455	128	2682	0.416	ug/L #	90

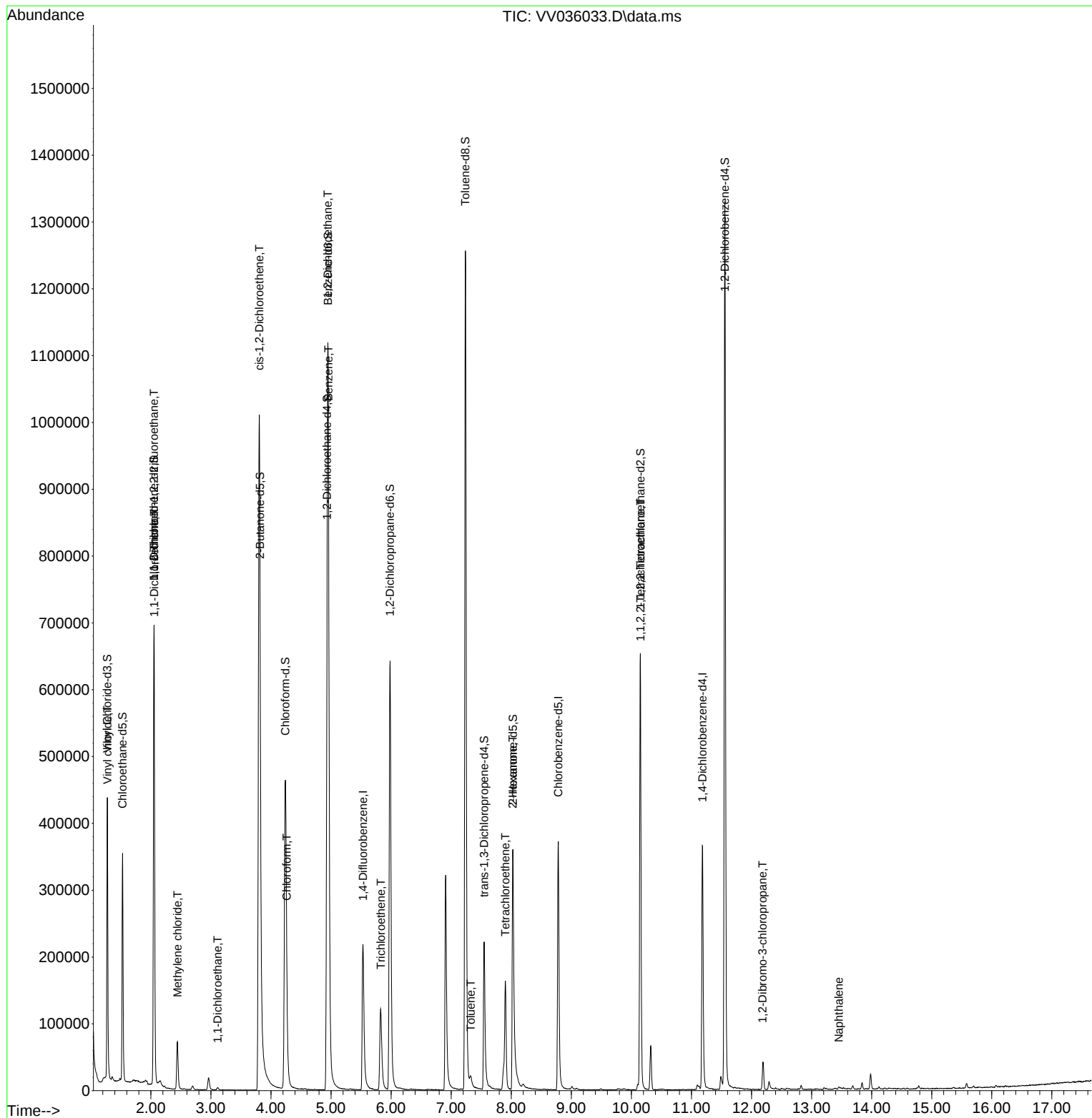
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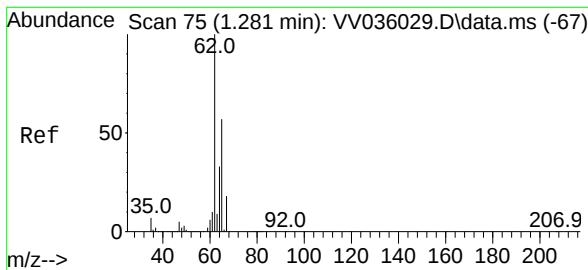
Instrument :
MSVOA_V
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 12 02:05:45 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.735 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV036033.D

Acq: 11 Jun 2024 14:47

Instrument :

MSVOA_V

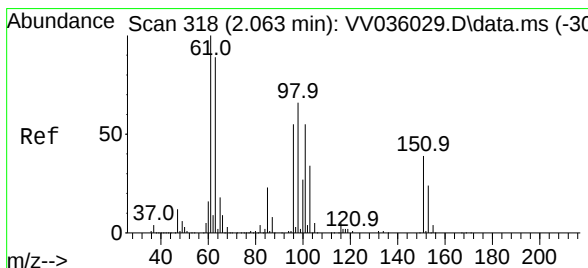
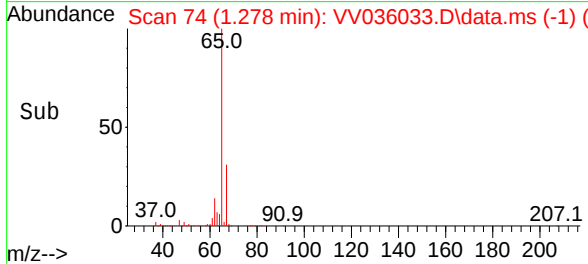
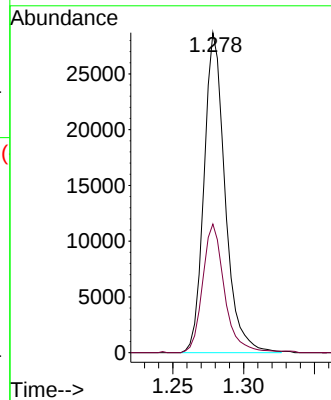
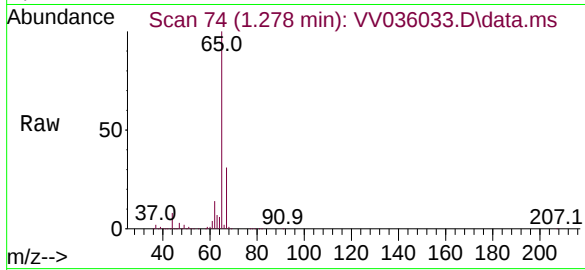
ClientSampleId :

Tgt Ion: 62 Resp: 29663

Ion Ratio Lower Upper

62 100

64 40.2 22.9 42.5



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.974 ug/L

RT: 2.053 min Scan# 315

Delta R.T. -0.010 min

Lab File: VV036033.D

Acq: 11 Jun 2024 14:47

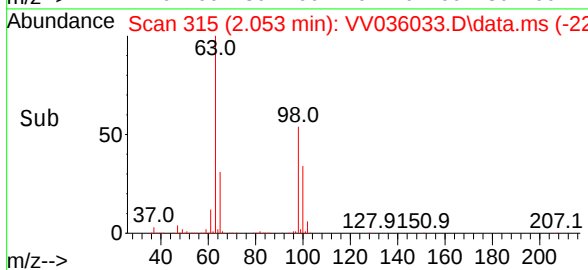
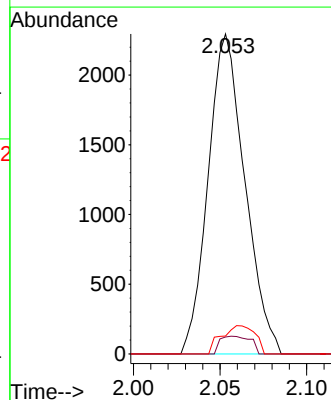
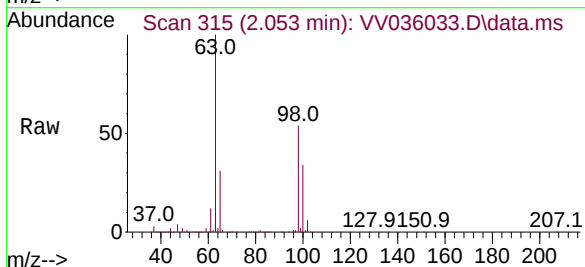
Tgt Ion: 101 Resp: 3382

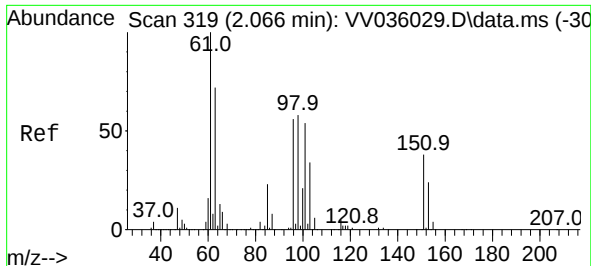
Ion Ratio Lower Upper

101 100

85 4.0 34.5 51.7#

151 6.7 56.3 84.5#





#12

1,1-Dichloroethene

Concen: 1.090 ug/L

RT: 2.056 min Scan# 319

Delta R.T. -0.010 min

Lab File: VV036033.D

Acq: 11 Jun 2024 14:47

Instrument :

MSVOA_V

ClientSampleId :

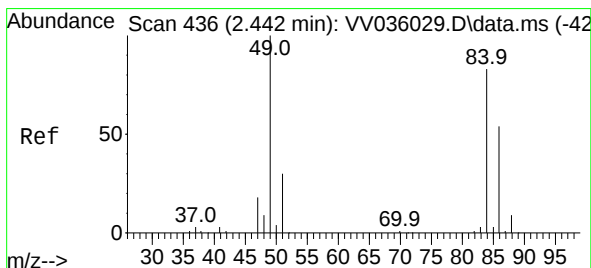
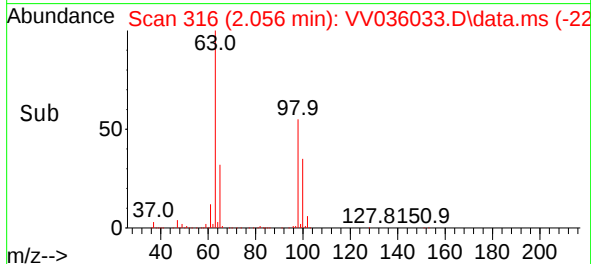
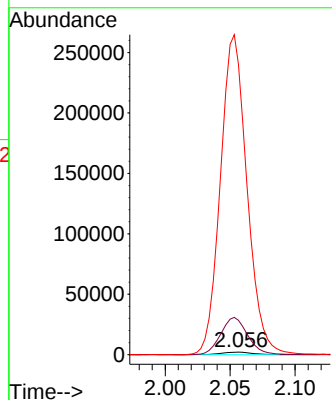
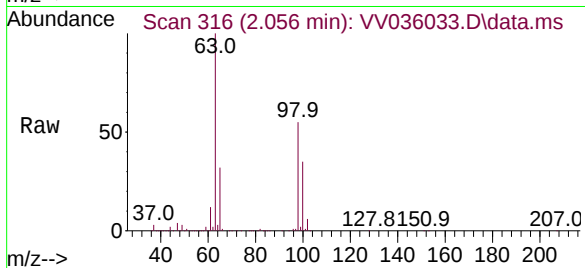
Tgt Ion: 96 Resp: 3529

Ion Ratio Lower Upper

96 100

61 1381.0 127.3 236.3#

63 11640.3 93.7 173.9#



#16

Methylene chloride

Concen: 6.783 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV036033.D

Acq: 11 Jun 2024 14:47

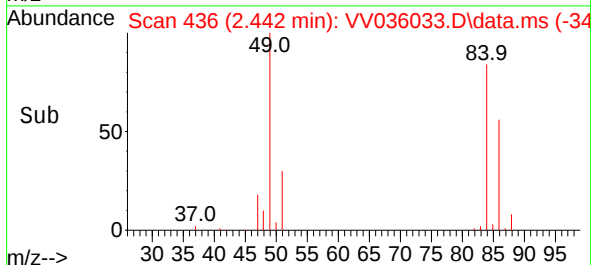
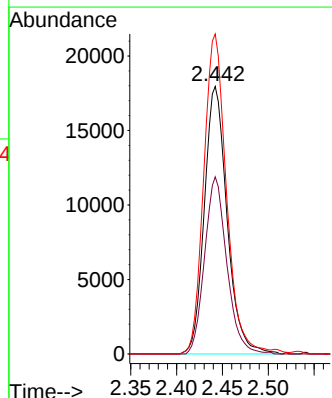
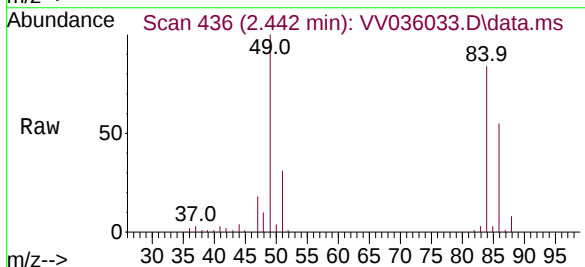
Tgt Ion: 84 Resp: 31027

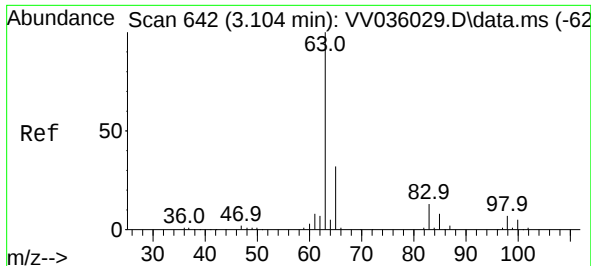
Ion Ratio Lower Upper

84 100

86 66.2 44.6 82.8

49 119.6 81.1 150.5





#19

1,1-Dichloroethane

Concen: 0.592 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.007 min

Lab File: VV036033.D

Acq: 11 Jun 2024 14:47

Instrument :

MSVOA_V

ClientSampleId :

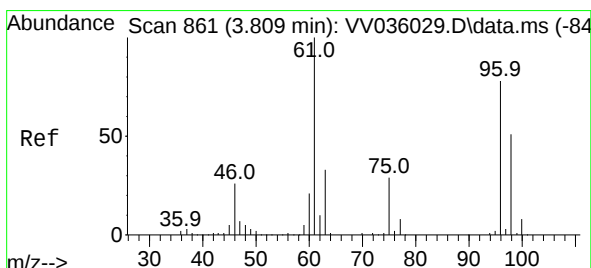
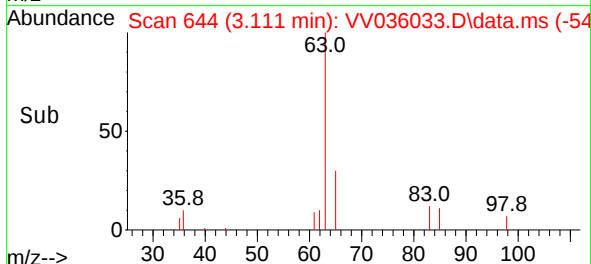
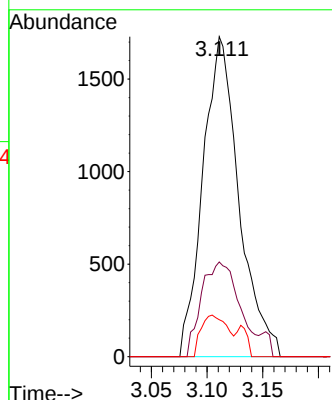
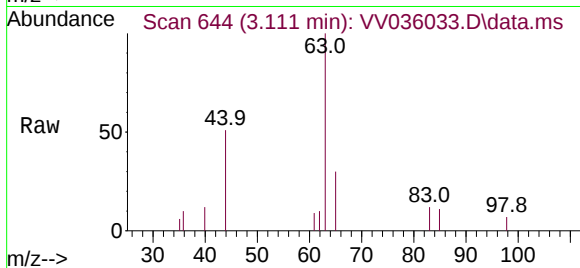
Tgt Ion: 63 Resp: 3878

Ion Ratio Lower Upper

63 100

65 29.6 22.4 41.6

83 11.6 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 157.748 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.003 min

Lab File: VV036033.D

Acq: 11 Jun 2024 14:47

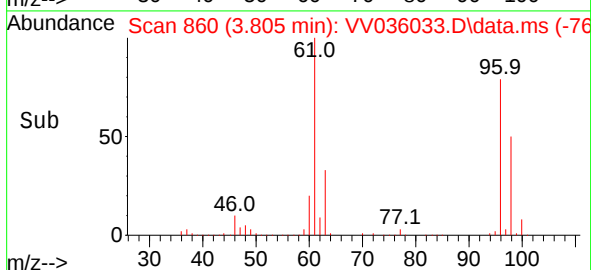
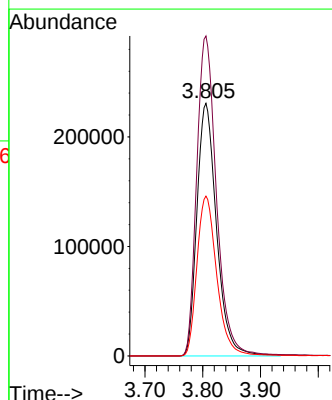
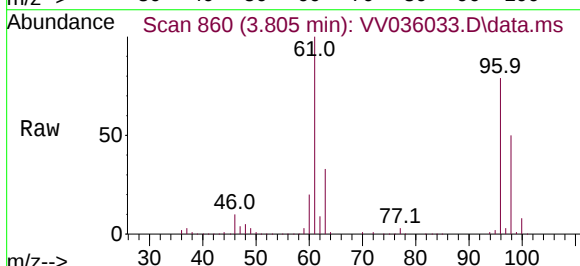
Tgt Ion: 96 Resp: 545101

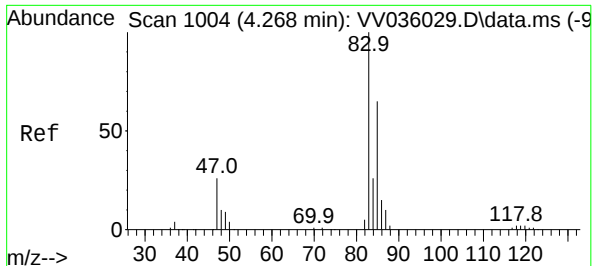
Ion Ratio Lower Upper

96 100

61 126.7 87.9 163.3

98 63.3 44.4 82.5





#25

Chloroform

Concen: 1.742 ug/L

RT: 4.262 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV036033.D

Acq: 11 Jun 2024 14:47

Instrument :

MSVOA_V

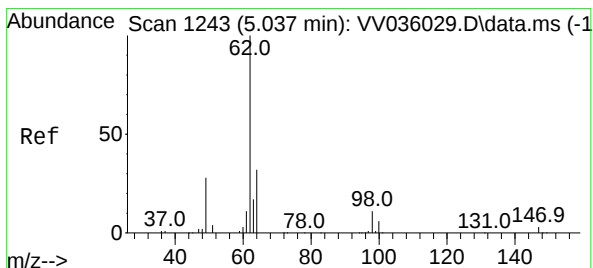
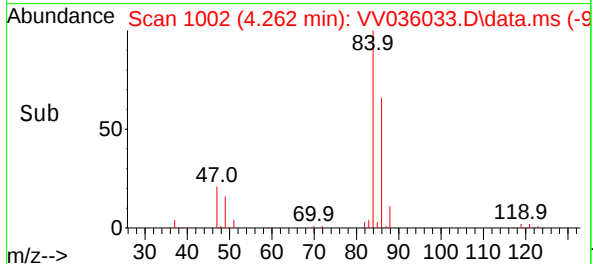
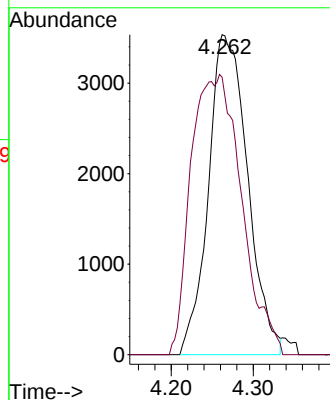
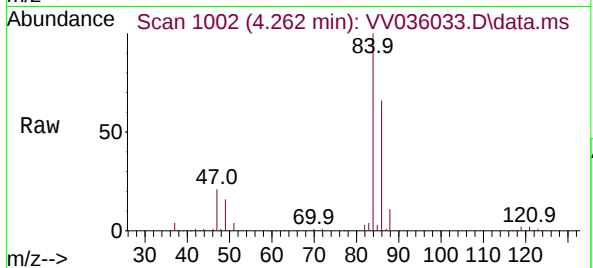
ClientSampleId :

Tgt Ion: 83 Resp: 11736

Ion Ratio Lower Upper

83 100

85 86.7 45.2 84.0#



#27

1,2-Dichloroethane

Concen: 1.277 ug/L

RT: 4.947 min Scan# 1215

Delta R.T. -0.090 min

Lab File: VV036033.D

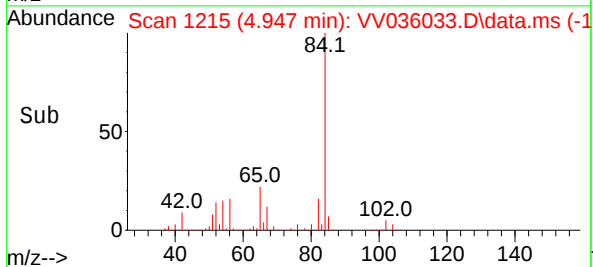
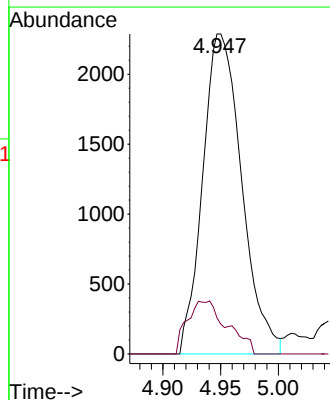
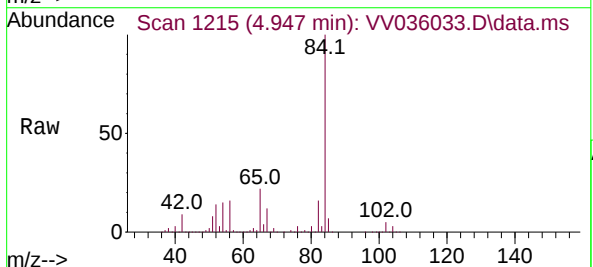
Acq: 11 Jun 2024 14:47

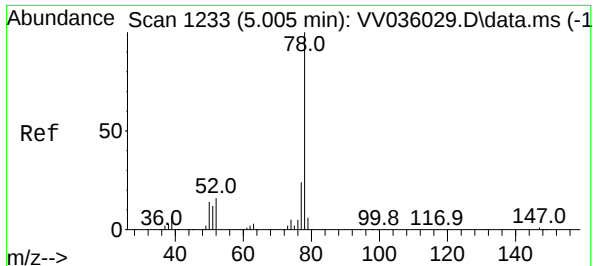
Tgt Ion: 62 Resp: 5373

Ion Ratio Lower Upper

62 100

98 11.2 7.8 11.6





#33

Benzene

Concen: 0.584 ug/L

RT: 4.957 min Scan# 1495

Delta R.T. -0.048 min

Lab File: VV036033.D

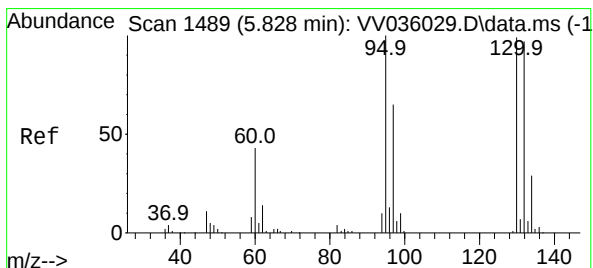
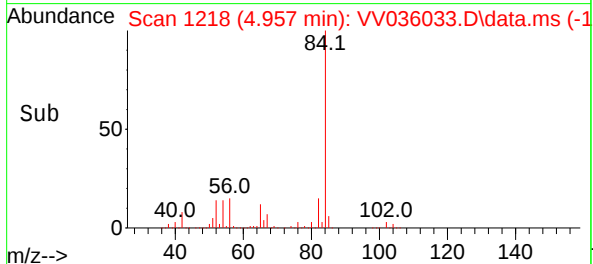
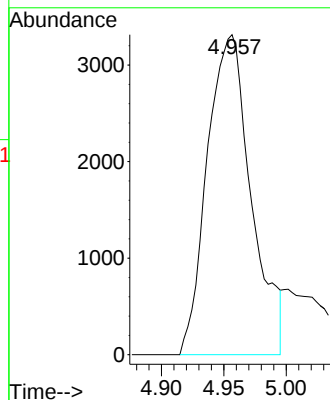
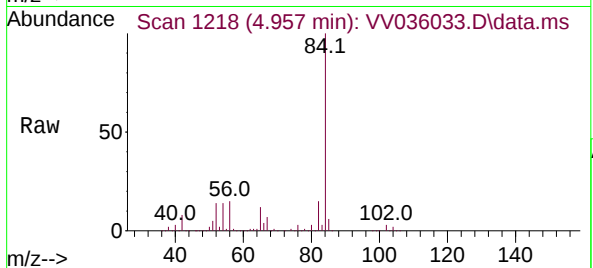
Acq: 11 Jun 2024 14:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 8141



#34

Trichloroethene

Concen: 7.741 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV036033.D

Acq: 11 Jun 2024 14:47

Tgt Ion: 95 Resp: 33051

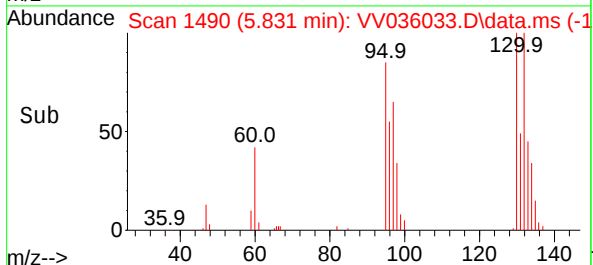
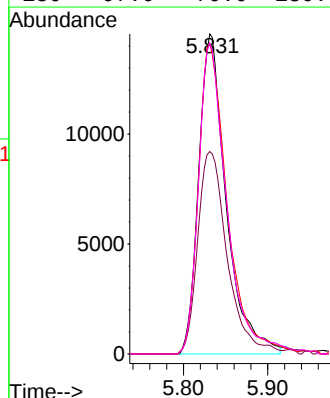
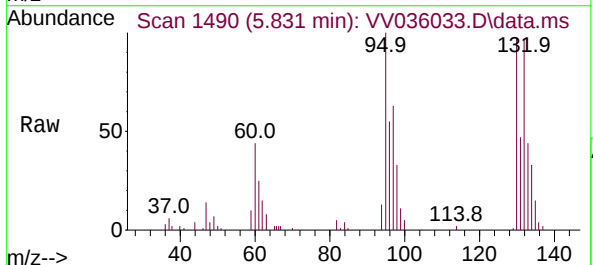
Ion Ratio Lower Upper

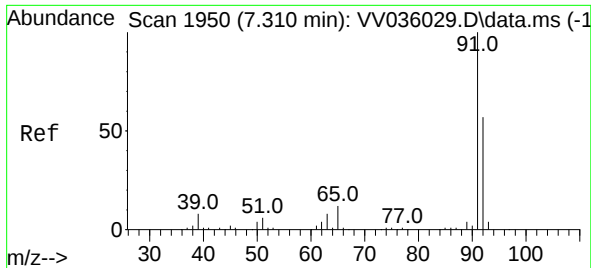
95 100

97 63.2 44.8 83.2

132 97.1 66.8 124.2

130 97.0 70.0 130.0





#42

Toluene

Concen: 0.981 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.016 min

Lab File: VV036033.D

Acq: 11 Jun 2024 14:47

Instrument :

MSVOA_V

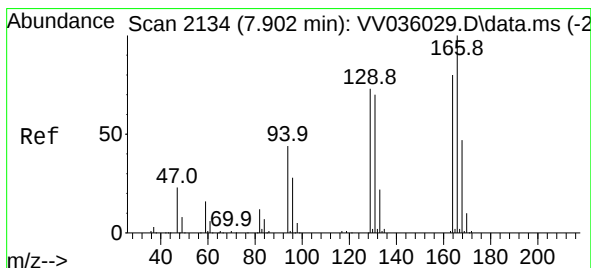
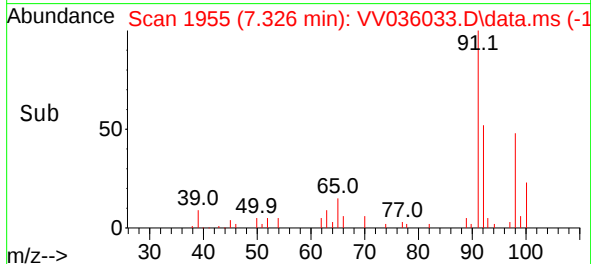
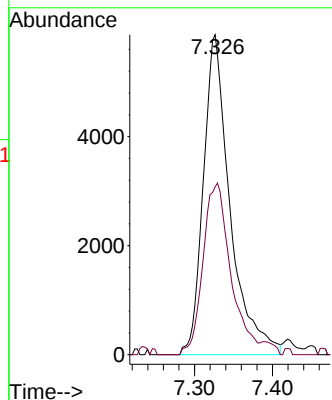
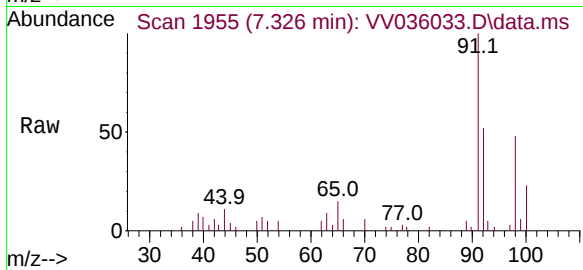
ClientSampleId :

Tgt Ion: 91 Resp: 13961

Ion Ratio Lower Upper

91 100

92 52.4 40.6 75.4



#46

Tetrachloroethene

Concen: 12.164 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV036033.D

Acq: 11 Jun 2024 14:47

Tgt Ion: 164 Resp: 37981

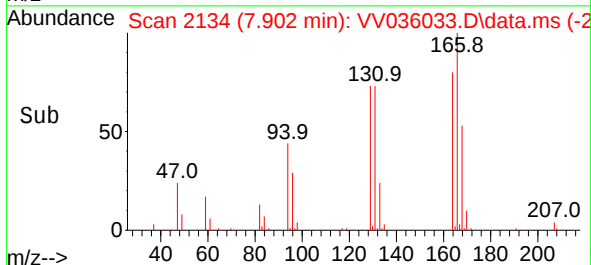
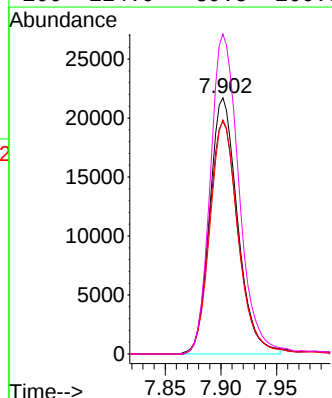
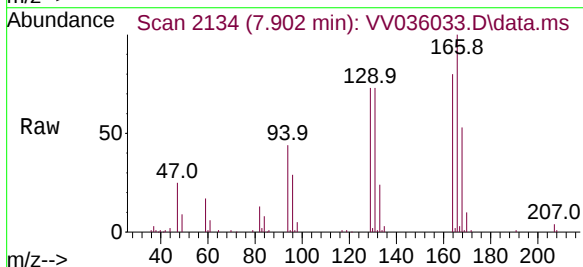
Ion Ratio Lower Upper

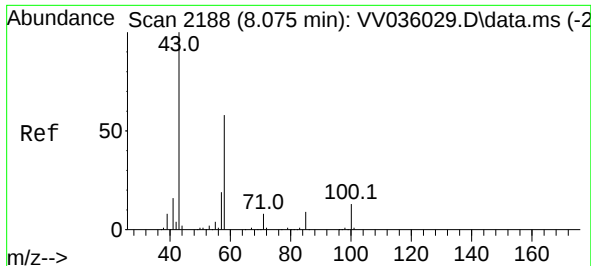
164 100

129 90.8 64.6 120.0

131 91.4 63.2 117.4

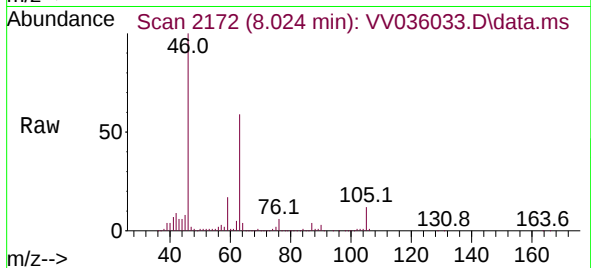
166 124.9 89.5 166.3





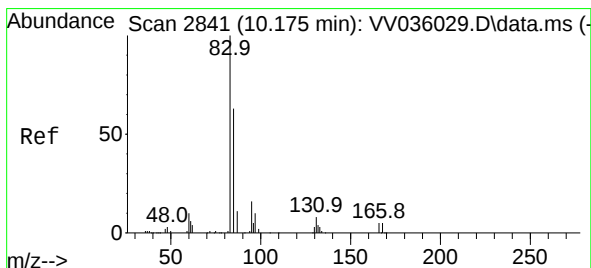
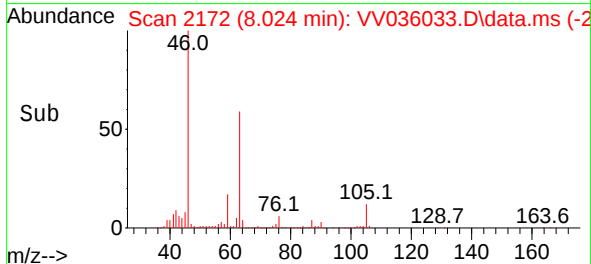
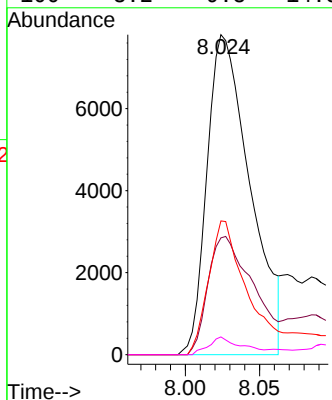
#48
2-Hexanone
Concen: 10.143 ug/L
RT: 8.024 min Scan# 2188
Delta R.T. -0.051 min
Lab File: VV036033.D
Acq: 11 Jun 2024 14:47

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 15759

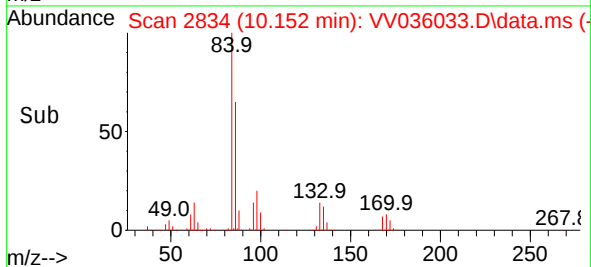
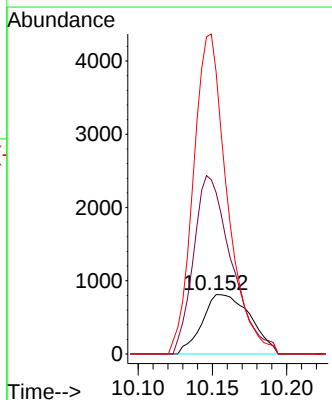
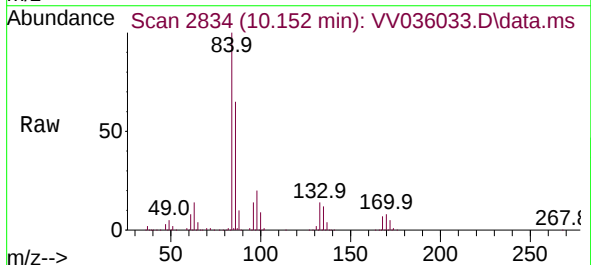
Ion	Ratio	Lower	Upper
43	100		
58	39.0	45.4	68.0#
57	38.0	15.8	23.8#
100	3.2	9.8	14.8#

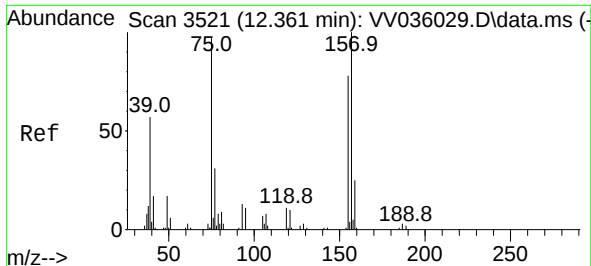


#57
1,1,2,2-Tetrachloroethane
Concen: 0.672 ug/L
RT: 10.152 min Scan# 2834
Delta R.T. -0.022 min
Lab File: VV036033.D
Acq: 11 Jun 2024 14:47

Tgt Ion: 83 Resp: 1822

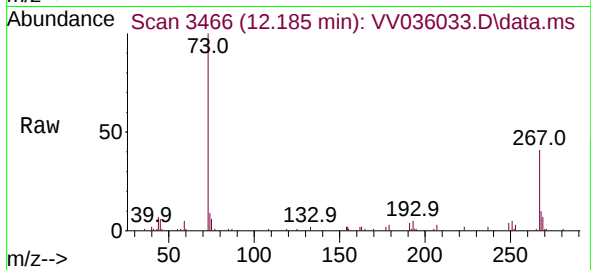
Ion	Ratio	Lower	Upper
83	100		
85	271.6	45.1	83.7#
131	474.8	7.6	11.4#



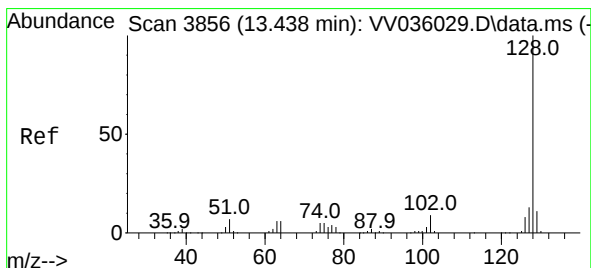
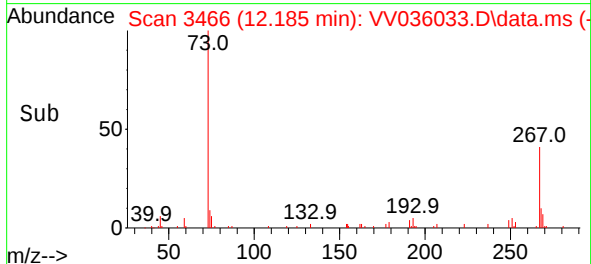
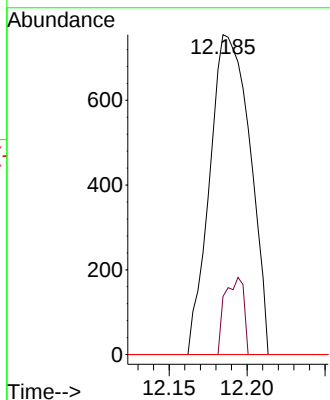


#68
1,2-Dibromo-3-chloropropane
Concen: 2.578 ug/L
RT: 12.185 min Scan# 3466
Delta R.T. -0.177 min
Lab File: VV036033.D
Acq: 11 Jun 2024 14:47

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 75 Resp: 1357
Ion Ratio Lower Upper
75 100
155 18.1 63.3 94.9#
157 0.0 82.4 123.6#



#71
Naphthalene
Concen: 0.416 ug/L
RT: 13.455 min Scan# 3861
Delta R.T. 0.016 min
Lab File: VV036033.D
Acq: 11 Jun 2024 14:47

Tgt Ion: 128 Resp: 2682
Ion Ratio Lower Upper
128 100
127 12.2 10.6 16.0
129 3.5 8.8 13.2#

