

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092324\
 Data File : VV037484.D
 Acq On : 23 Sep 2024 15:55
 Operator : SY/MD
 Sample : P4024-05ME 2X
 Misc : 10.12G/5mL/100ul/5mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 24 04:00:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 03:56:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	797510	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	759321	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	417138	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	277189	37.996	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.000%
7) Chloroethane-d5	1.507	69	135014	23.946	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	47.900%#
11) 1,1-Dichloroethene-d2	2.050	65	120710	39.368	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.740%
21) 2-Butanone-d5	3.793	46	258610	91.540	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.540%
24) Chloroform-d	4.240	84	524472	45.935	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.860%
26) 1,2-Dichloroethane-d4	4.934	65	330192	45.922	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.840%
32) Benzene-d6	4.950	84	1075841	46.909	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.820%
36) 1,2-Dichloropropane-d6	5.979	67	347770	48.413	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.820%
41) Toluene-d8	7.236	98	952000	45.994	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.980%
43) trans-1,3-Dichloroprop...	7.548	79	155296	46.729	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.460%
47) 2-Hexanone-d5	8.024	63	208559	106.382	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.380%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	491299	56.393	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.780%
66) 1,2-Dichlorobenzene-d4	11.554	152	412041	49.320	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.640%
Target Compounds						Qvalue
35) Methylcyclohexane	6.040	83	15016	1.598	ug/L	92
42) Toluene	7.320	91	27919	1.224	ug/L	98
46) Tetrachloroethene	7.902	164	32489	7.829	ug/L	95
48) 2-Hexanone	8.011	43	98001	21.217	ug/L #	42
52) Ethylbenzene	8.944	91	163639	6.350	ug/L	100
53) m,p-Xylene	9.066	106	307596	32.214	ug/L	100
54) o-Xylene	9.474	106	95090	10.171	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.162	83	122783	15.159	ug/L #	77
60) Isopropylbenzene	9.860	105	457802	16.929	ug/L	98
62) 1,3,5-Trimethylbenzene	10.468	105	2750659	124.322	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	5370296	243.220	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	13284	1.039	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	12.345	75	3216	1.987	ug/L #	26
69) 1,3,5-Trichlorobenzene	12.577	180	8061	0.928	ug/L #	97
70) 1,2,4-trichlorobenzene	13.194	180	13627	1.666	ug/L #	1
71) Naphthalene	13.432	128	723348	30.617	ug/L	98

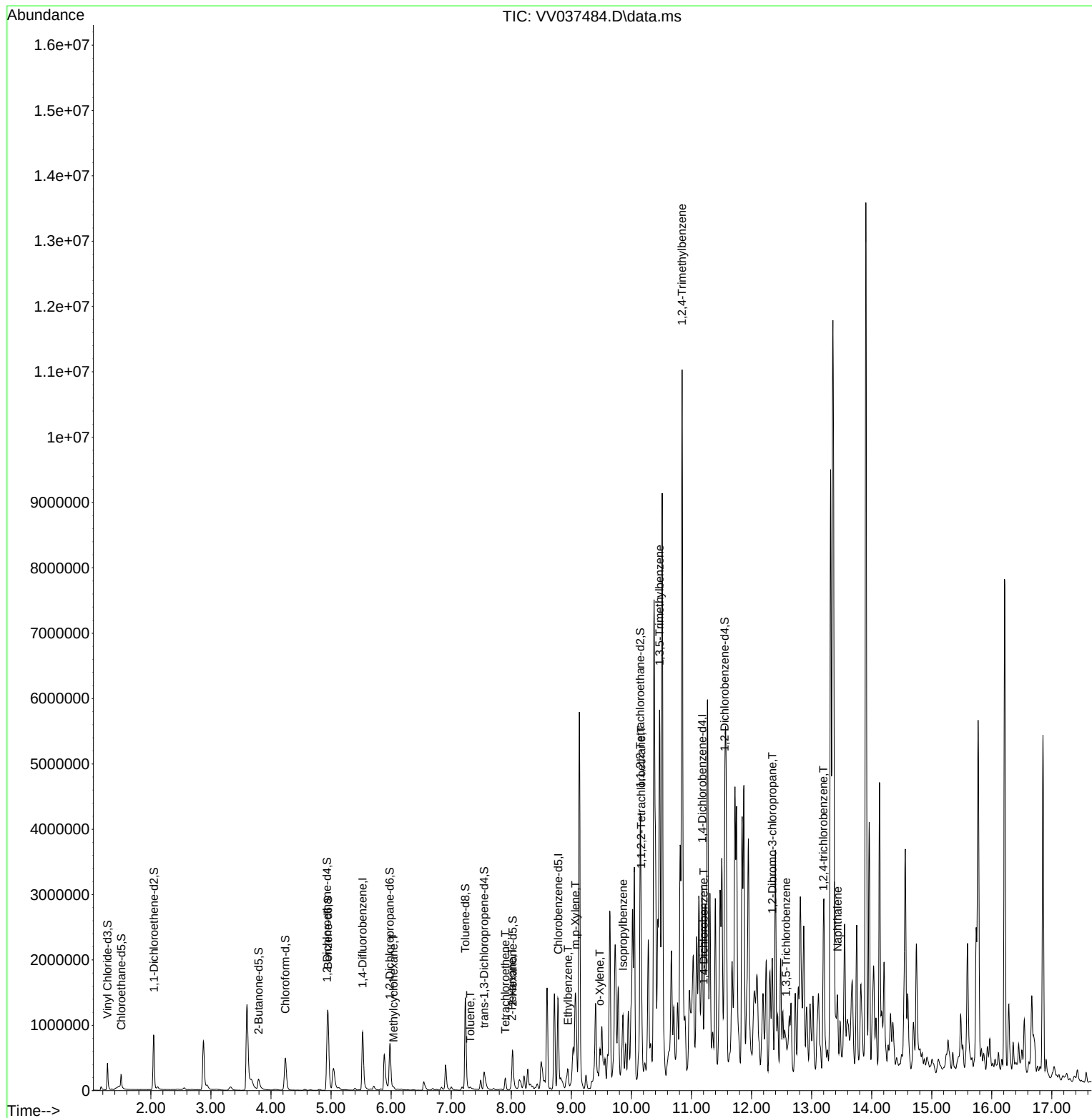
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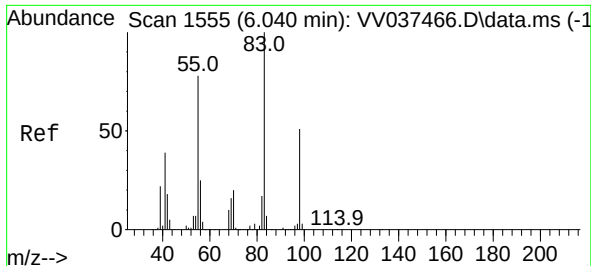
Instrument :
MSVOA_V
ClientSampleId :

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Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:56:17 2024
Response via : Initial Calibration





#35

Methylcyclohexane

Concen: 1.598 ug/L

RT: 6.040 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV037484.D

Acq: 23 Sep 2024 15:55

Instrument :

MSVOA_V

ClientSampleId :

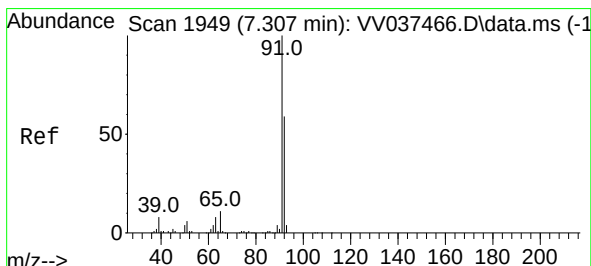
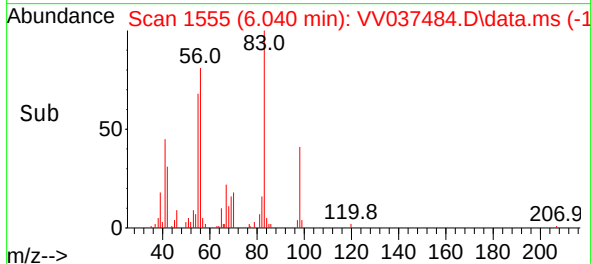
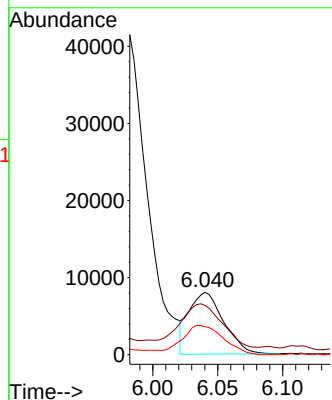
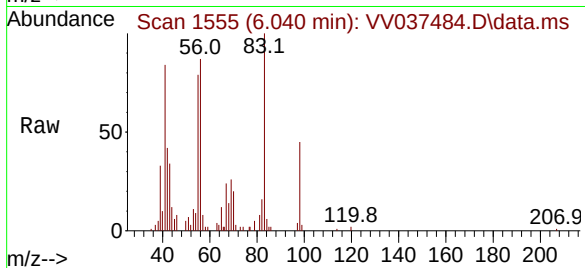
Tgt Ion: 83 Resp: 15016

Ion Ratio Lower Upper

83 100

55 82.8 61.2 91.8

98 55.9 39.3 58.9



#42

Toluene

Concen: 1.224 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.013 min

Lab File: VV037484.D

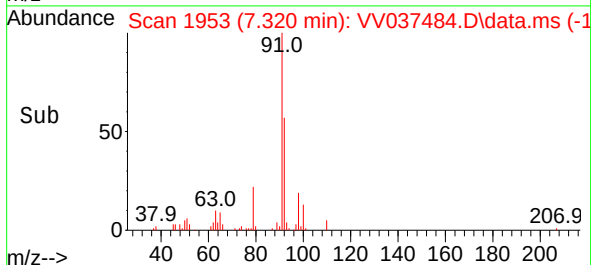
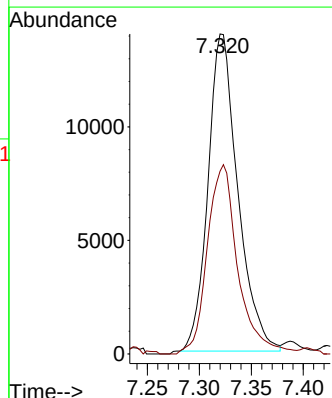
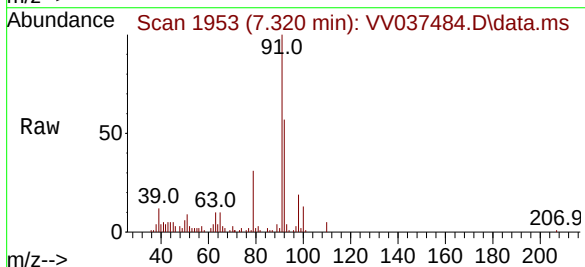
Acq: 23 Sep 2024 15:55

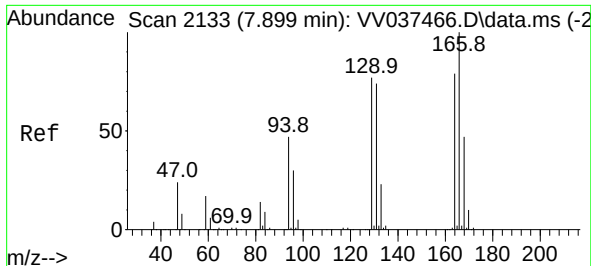
Tgt Ion: 91 Resp: 27919

Ion Ratio Lower Upper

91 100

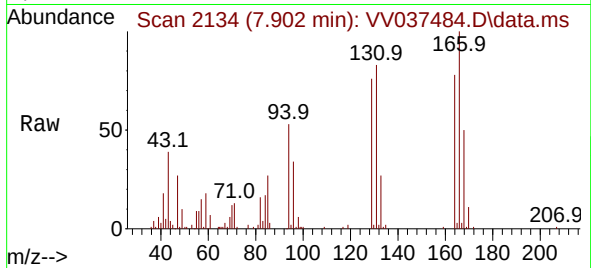
92 57.1 40.8 75.8





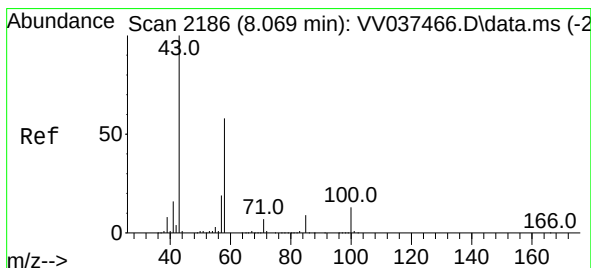
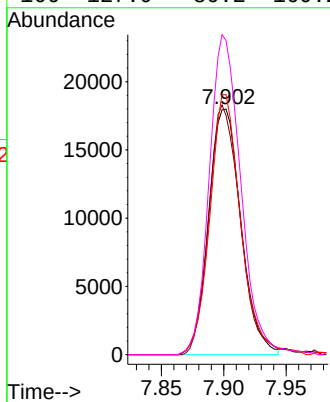
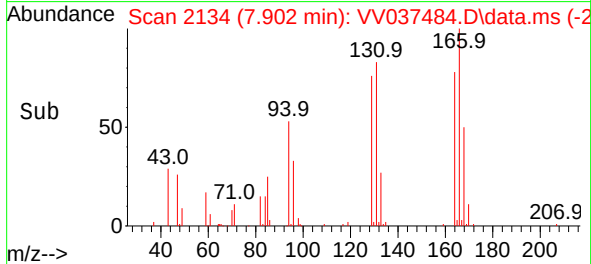
#46
Tetrachloroethene
Concen: 7.829 ug/L
RT: 7.902 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV037484.D
Acq: 23 Sep 2024 15:55

Instrument :
MSVOA_V
ClientSampleId :

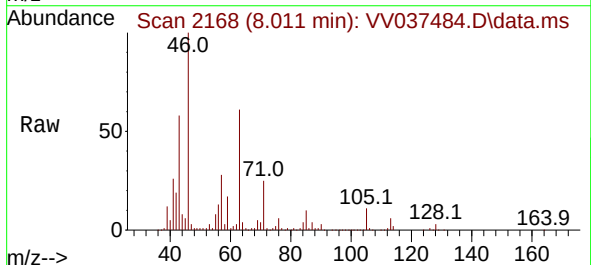


Tgt Ion:164 Resp: 32489

Ion	Ratio	Lower	Upper
164	100		
129	97.4	67.1	124.7
131	105.8	67.0	124.4
166	127.9	86.2	160.2

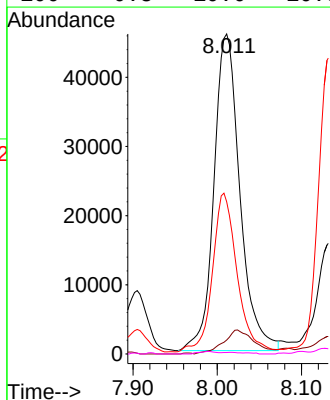
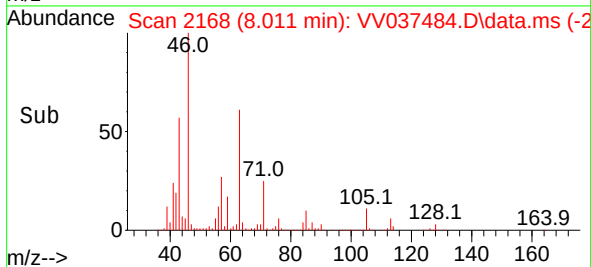


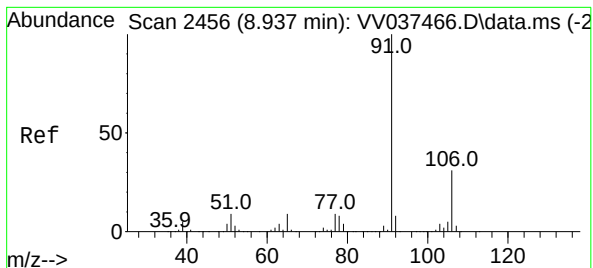
#48
2-Hexanone
Concen: 21.217 ug/L
RT: 8.011 min Scan# 2168
Delta R.T. -0.058 min
Lab File: VV037484.D
Acq: 23 Sep 2024 15:55



Tgt Ion: 43 Resp: 98001

Ion	Ratio	Lower	Upper
43	100		
58	9.0	46.0	69.0#
57	44.7	15.6	23.4#
100	0.3	10.6	16.0#





#52

Ethylbenzene

Concen: 6.350 ug/L

RT: 8.944 min Scan# 2456

Delta R.T. 0.006 min

Lab File: VV037484.D

Acq: 23 Sep 2024 15:55

Instrument :

MSVOA_V

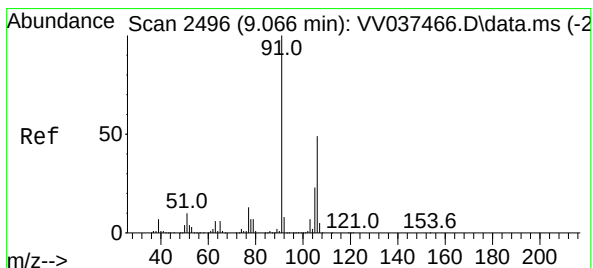
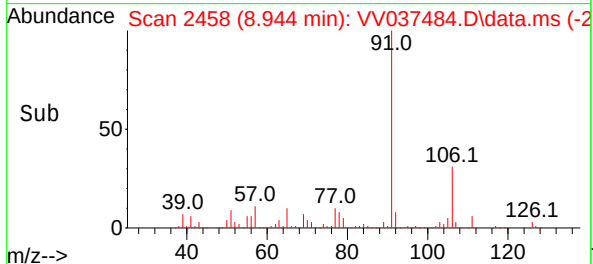
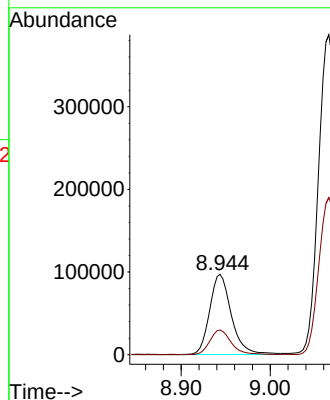
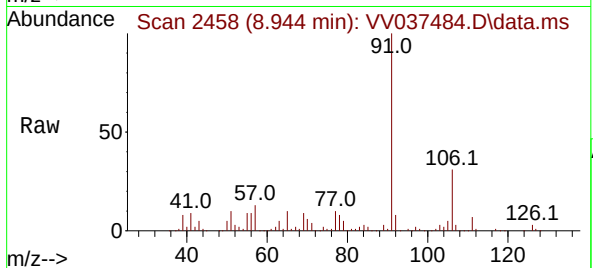
ClientSampleId :

Tgt Ion: 91 Resp: 163639

Ion Ratio Lower Upper

91 100

106 30.7 21.4 39.8



#53

m,p-Xylene

Concen: 32.214 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV037484.D

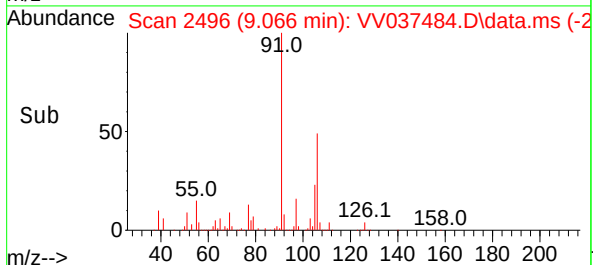
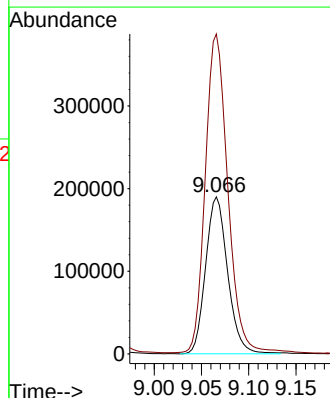
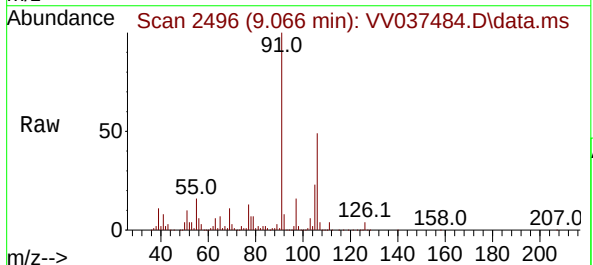
Acq: 23 Sep 2024 15:55

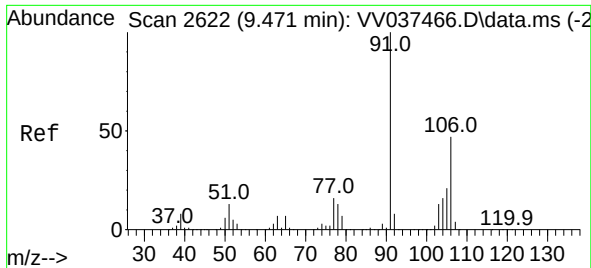
Tgt Ion:106 Resp: 307596

Ion Ratio Lower Upper

106 100

91 203.6 143.0 265.6

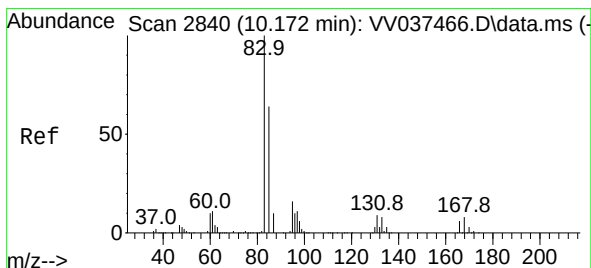
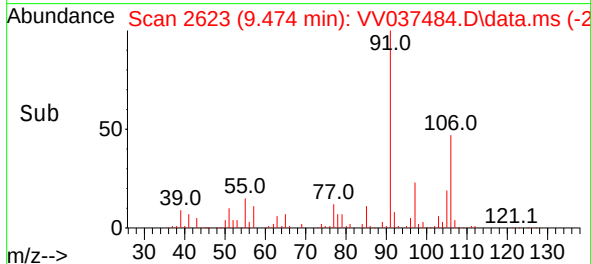
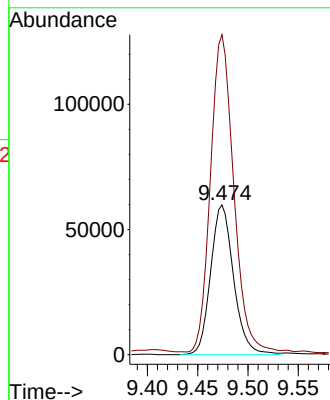
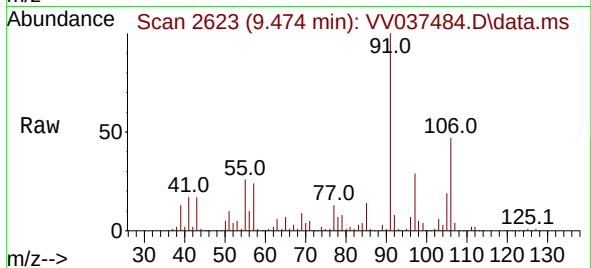




#54
o-Xylene
Concen: 10.171 ug/L
RT: 9.474 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV037484.D
Acq: 23 Sep 2024 15:55

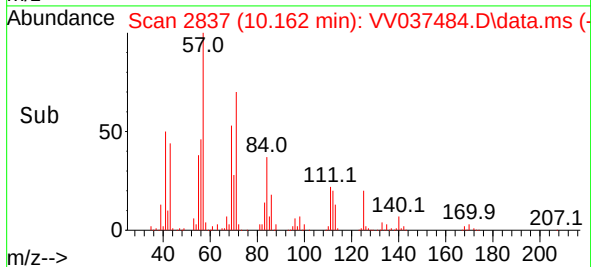
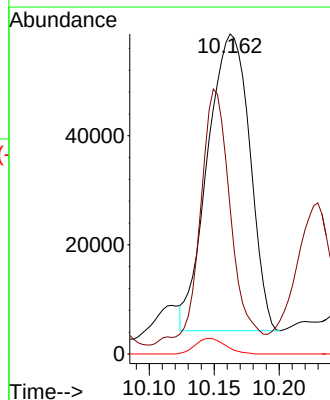
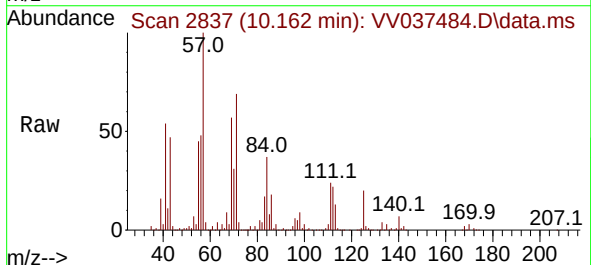
Instrument :
MSVOA_V
ClientSampleId :

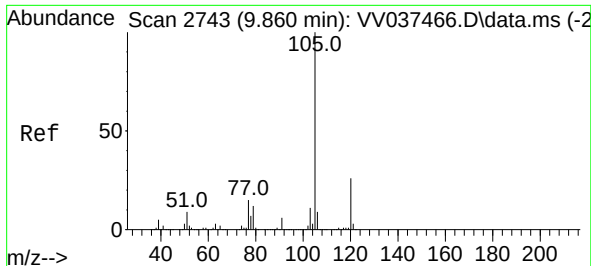
Tgt Ion:106 Resp: 95090
Ion Ratio Lower Upper
106 100
91 213.7 153.2 284.6



#57
1,1,2,2-Tetrachloroethane
Concen: 15.159 ug/L
RT: 10.162 min Scan# 2837
Delta R.T. -0.010 min
Lab File: VV037484.D
Acq: 23 Sep 2024 15:55

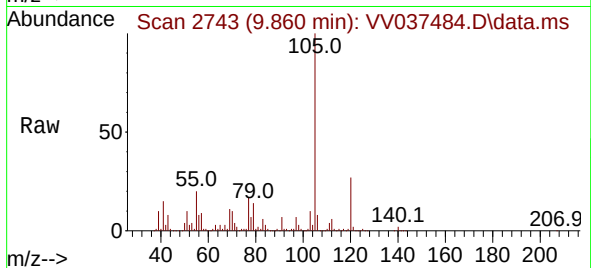
Tgt Ion: 83 Resp: 122783
Ion Ratio Lower Upper
83 100
85 45.6 45.1 83.7
131 1.8 7.4 11.0#



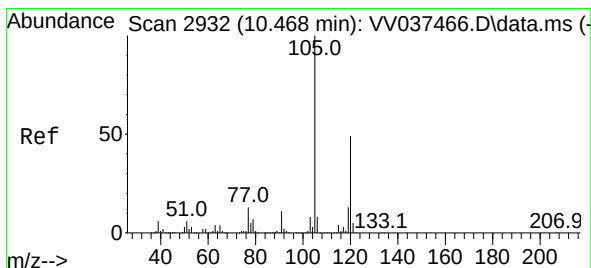
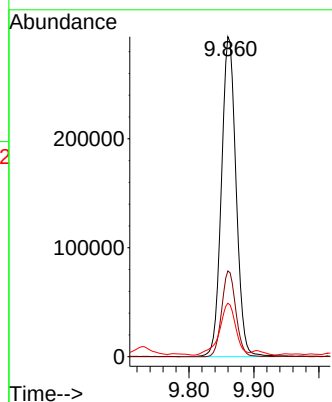
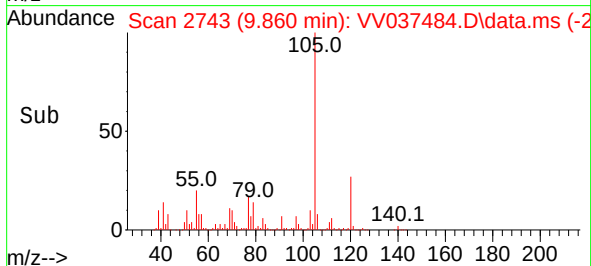


#60
Isopropylbenzene
Concen: 16.929 ug/L
RT: 9.860 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037484.D
Acq: 23 Sep 2024 15:55

Instrument :
MSVOA_V
ClientSampleId :

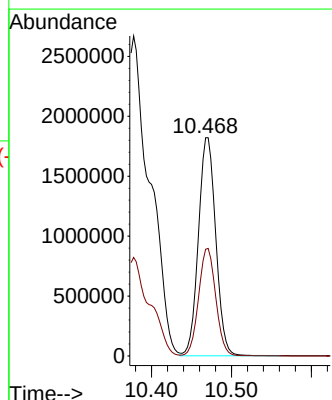
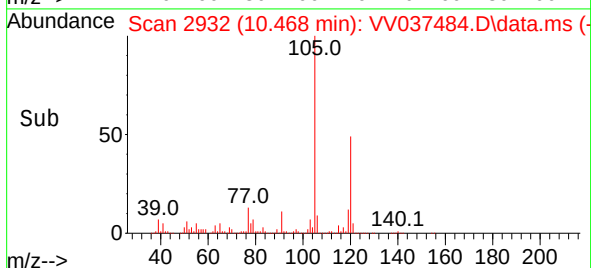
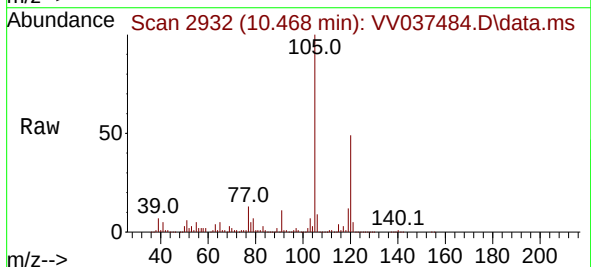


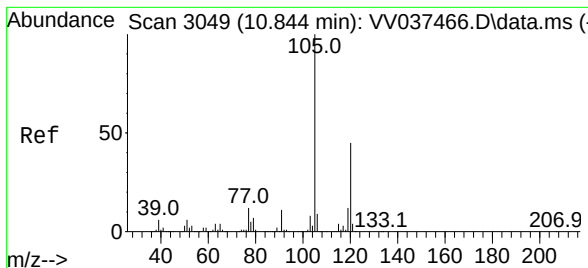
Tgt Ion:105 Resp: 457802
Ion Ratio Lower Upper
105 100
120 26.0 20.9 31.3
77 18.0 12.6 19.0



#62
1,3,5-Trimethylbenzene
Concen: 124.322 ug/L
RT: 10.468 min Scan# 2932
Delta R.T. -0.000 min
Lab File: VV037484.D
Acq: 23 Sep 2024 15:55

Tgt Ion:105 Resp: 2750659
Ion Ratio Lower Upper
105 100
120 48.6 38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 243.220 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV037484.D

Acq: 23 Sep 2024 15:55

Instrument :

MSVOA_V

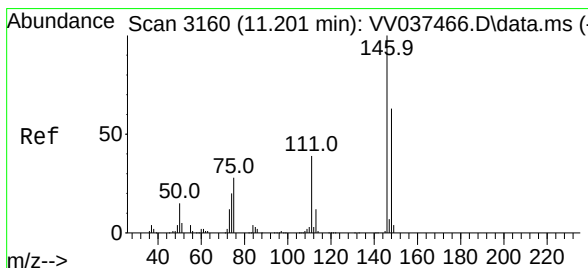
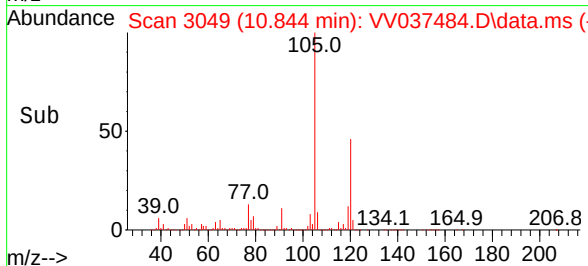
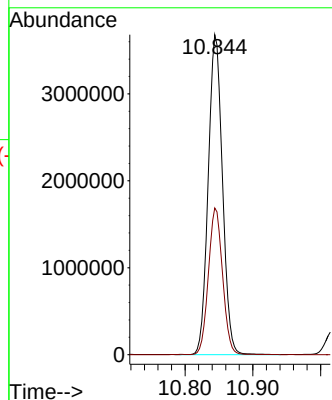
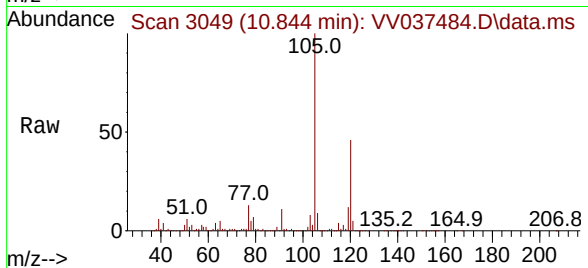
ClientSampleId :

Tgt Ion:105 Resp: 5370296

Ion Ratio Lower Upper

105 100

120 45.4 35.8 53.6



#65

1,4-Dichlorobenzene

Concen: 1.039 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV037484.D

Acq: 23 Sep 2024 15:55

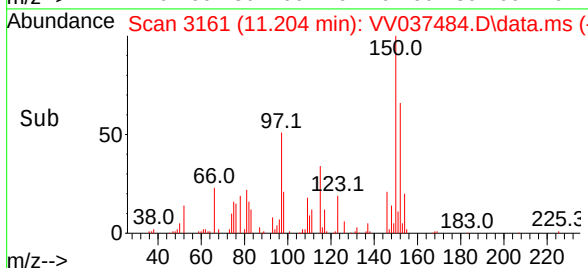
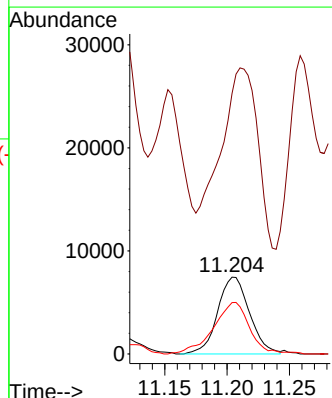
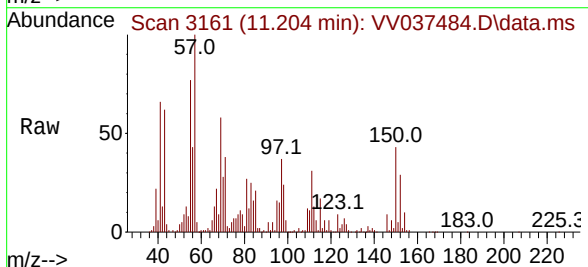
Tgt Ion:146 Resp: 13284

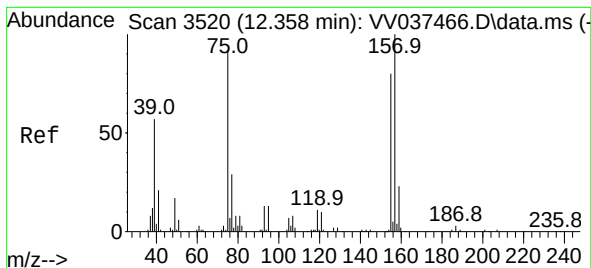
Ion Ratio Lower Upper

146 100

111 339.0 28.1 52.1#

148 66.8 44.2 82.0





#68

1,2-Dibromo-3-chloropropane

Concen: 1.987 ug/L

RT: 12.345 min Scan# 3516

Delta R.T. -0.013 min

Lab File: VV037484.D

Acq: 23 Sep 2024 15:55

Instrument :

MSVOA_V

ClientSampleId :

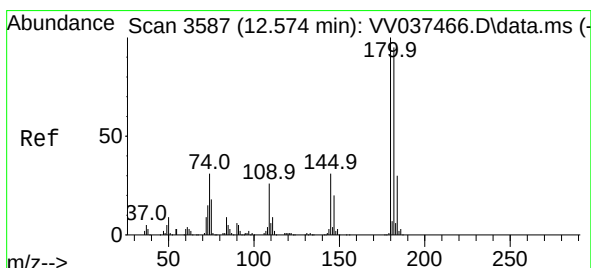
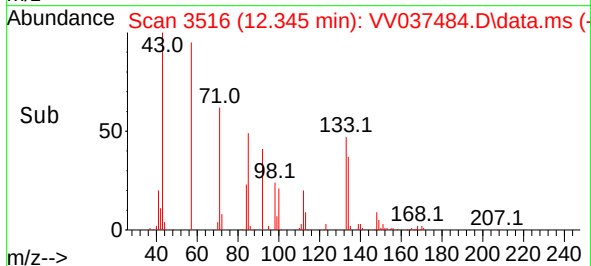
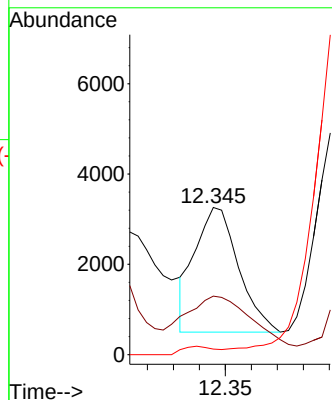
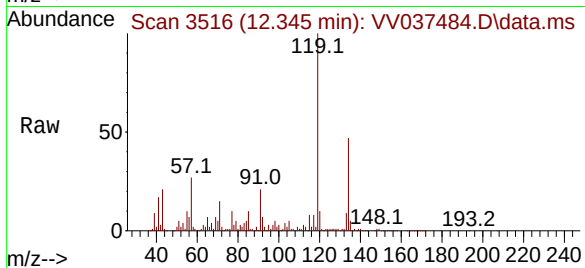
Tgt Ion: 75 Resp: 3216

Ion Ratio Lower Upper

75 100

155 39.7 61.8 92.6#

157 3.8 82.5 123.7#



#69

1,3,5-Trichlorobenzene

Concen: 0.928 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.003 min

Lab File: VV037484.D

Acq: 23 Sep 2024 15:55

Tgt Ion:180 Resp: 8061

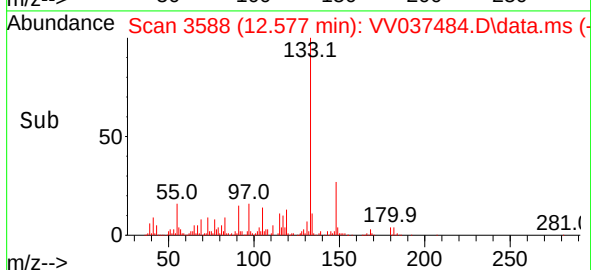
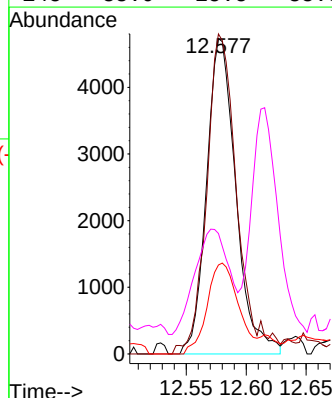
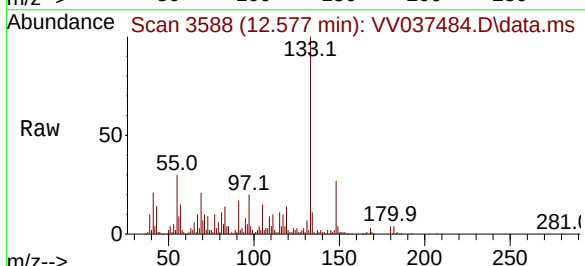
Ion Ratio Lower Upper

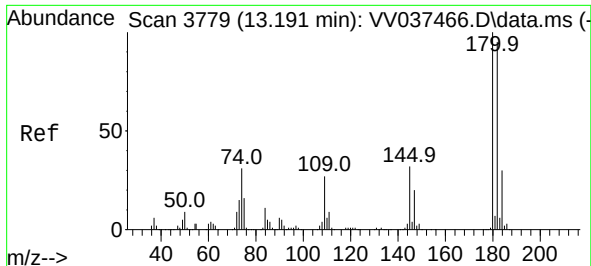
180 100

182 97.1 76.7 115.1

184 30.7 24.2 36.2

145 38.9 25.5 38.3#

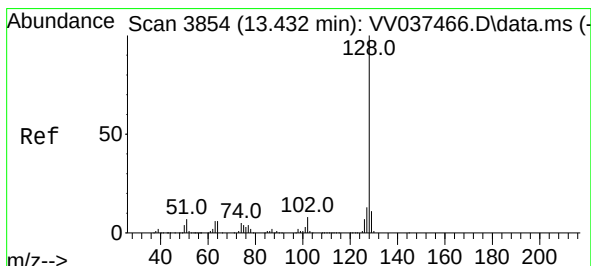
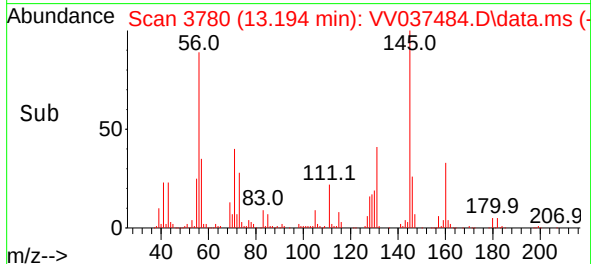
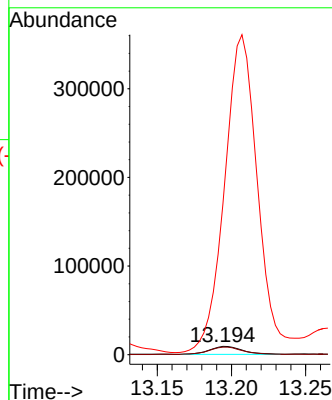
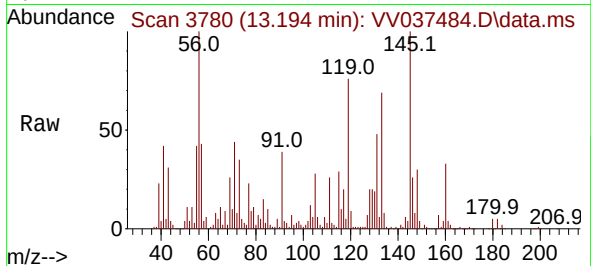




#70
1,2,4-trichlorobenzene
Concen: 1.666 ug/L
RT: 13.194 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV037484.D
Acq: 23 Sep 2024 15:55

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:180 Resp: 13627
Ion Ratio Lower Upper
180 100
182 93.6 75.7 113.5
145 4060.1 26.0 39.0#



#71
Naphthalene
Concen: 30.617 ug/L
RT: 13.432 min Scan# 3854
Delta R.T. -0.000 min
Lab File: VV037484.D
Acq: 23 Sep 2024 15:55

Tgt Ion:128 Resp: 723348
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 12.0 8.8 13.2

