

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090424\
 Data File : VU060599.D
 Acq On : 04 Sep 2024 15:03
 Operator : MD/SY
 Sample : P3809-01 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 05 03:56:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 05 03:55:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	130966	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	139860	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	72582	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	36810	6.364	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	127.200%
7) Chloroethane-d5	1.911	69	34966	3.990	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.800%
11) 1,1-Dichloroethene-d2	2.563	65	16559	4.857	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.200%
20) 2-Butanone-d5	4.628	46	94487	47.501	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.000%
24) Chloroform-d	5.055	84	80403	4.875	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.695	65	40977	4.762	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	5.721	84	157942	5.164	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
36) 1,2-Dichloropropane-d6	6.685	67	51371	5.206	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.891	98	123829	4.316	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.177	79	15573	4.410	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.200%
46) 2-Hexanone-d5	8.631	63	67787	40.096	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.200%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	38932	4.434	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	51396	4.802	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	24674	1.946	ug/L	93
18) trans-1,2-Dichloroethene	3.354	96	1387	0.148	ug/L	81
22) cis-1,2-Dichloroethene	4.657	96	696433	66.883	ug/L	99
33) Benzene	5.776	78	7803	0.176	ug/L	100
35) Methylcyclohexane	6.685	83	11314	0.686	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	5454	0.480	ug/L #	94
42) Toluene	7.962	91	890318	18.993	ug/L	96
52) Ethylbenzene	9.566	91	31951	0.643	ug/L	99
53) m,p-Xylene	9.685	106	66005	3.574	ug/L	95
54) o-Xylene	10.094	106	39408	2.084	ug/L	100
55) Styrene	10.094	104	3093	0.100	ug/L #	1
60) Isopropylbenzene	10.483	105	5314	0.110	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	35080	0.971	ug/L	94
63) 1,2,4-Trimethylbenzene	11.463	105	102645	2.784	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	9999	0.449	ug/L #	86
71) Naphthalene	14.081	128	49279	2.613	ug/L	98

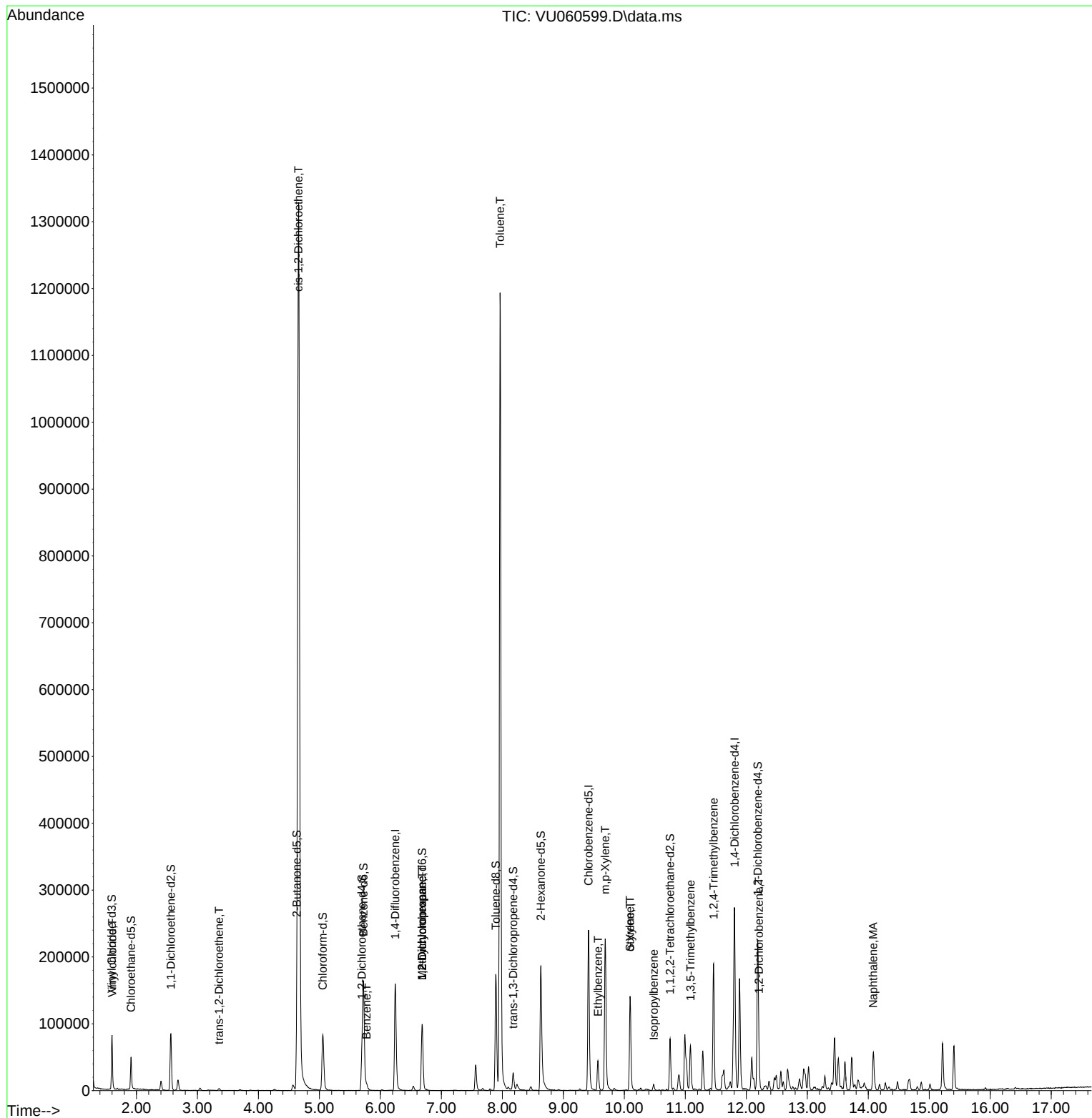
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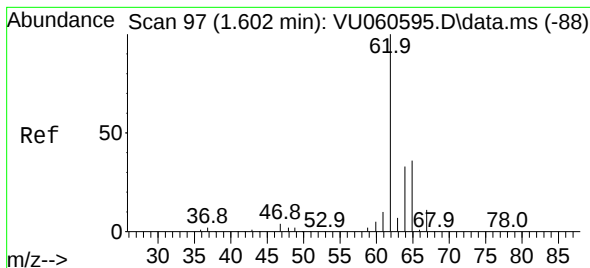
Instrument :
MSVOA_V
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090424\
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QLast Update : Thu Sep 05 03:55:13 2024
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#5

Vinyl chloride

Concen: 1.946 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060599.D

Acq: 04 Sep 2024 15:03

Instrument :

MSVOA_V

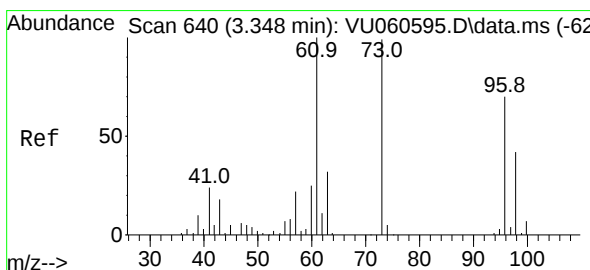
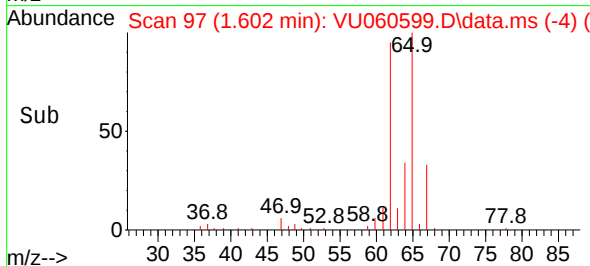
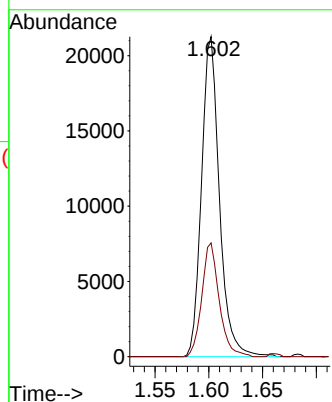
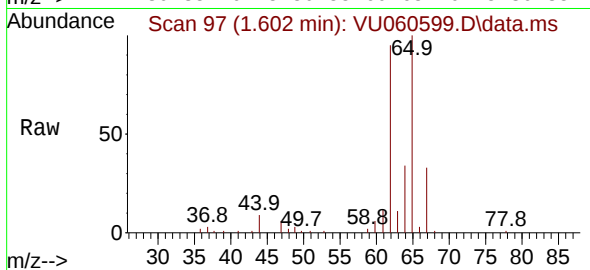
ClientSampleId :

Tgt Ion: 62 Resp: 24674

Ion Ratio Lower Upper

62 100

64 35.5 22.0 40.8



#18

trans-1,2-Dichloroethene

Concen: 0.148 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.006 min

Lab File: VU060599.D

Acq: 04 Sep 2024 15:03

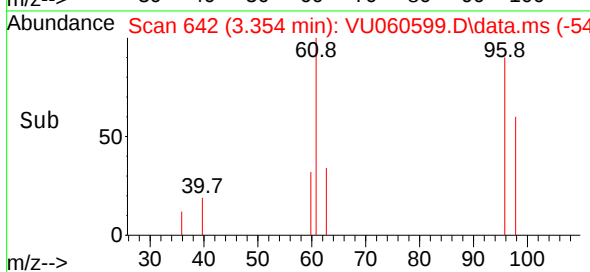
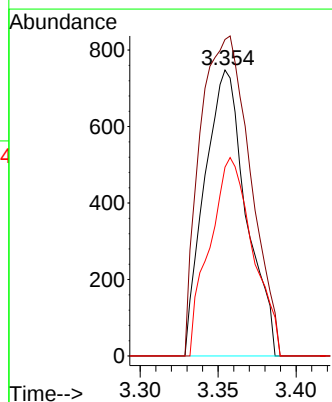
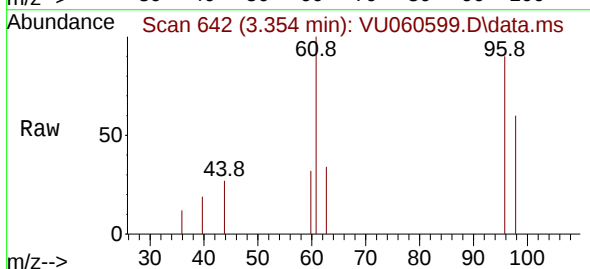
Tgt Ion: 96 Resp: 1387

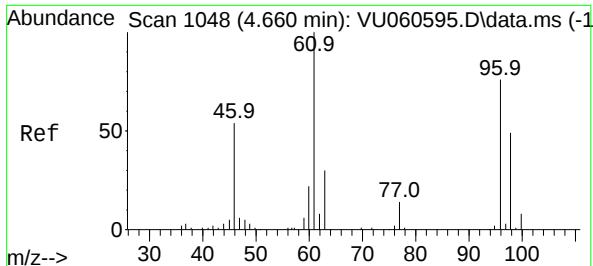
Ion Ratio Lower Upper

96 100

61 110.7 99.2 184.2

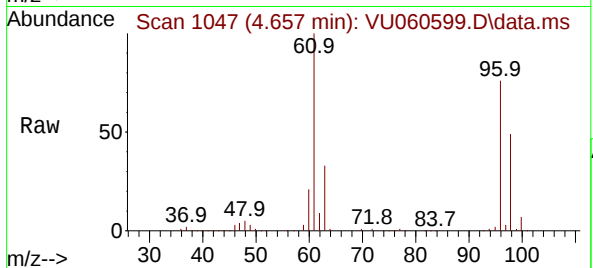
98 66.0 44.0 81.8



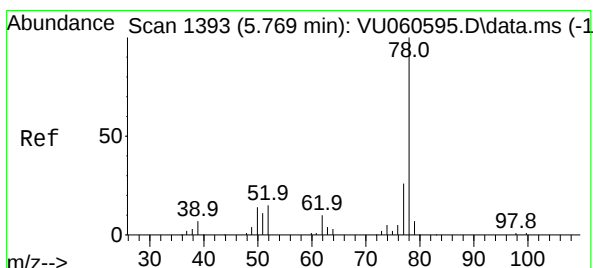
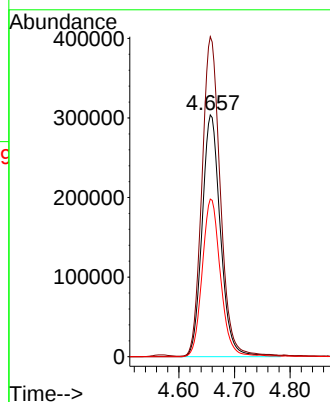
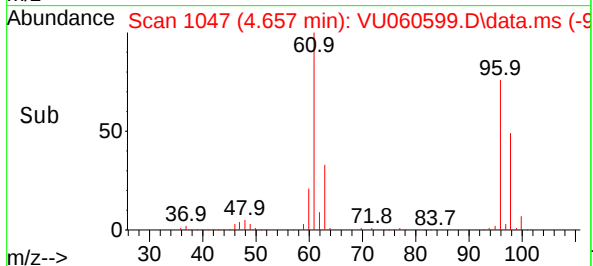


#22
 cis-1,2-Dichloroethene
 Concen: 66.883 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU060599.D
 Acq: 04 Sep 2024 15:03

Instrument :
 MSVOA_V
 ClientSampleId :

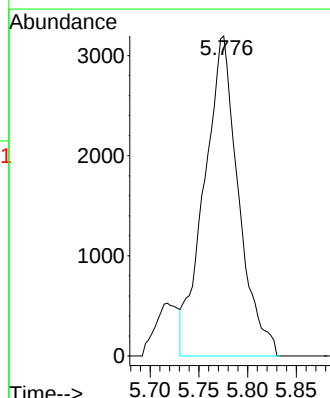
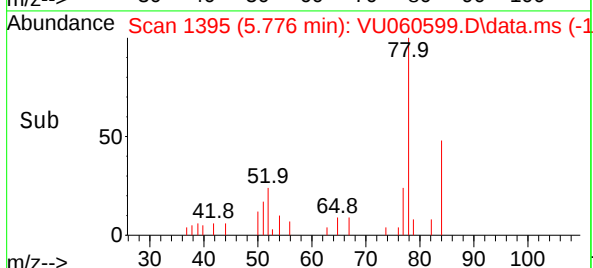
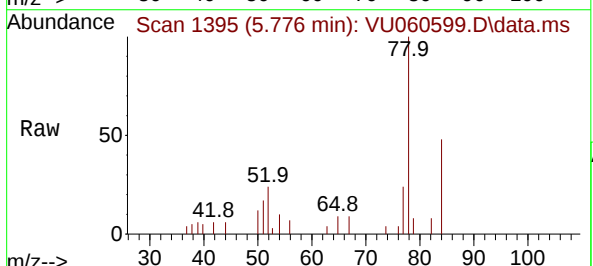


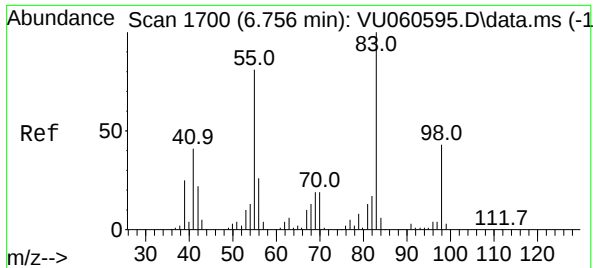
Tgt Ion: 96 Resp: 696433
 Ion Ratio Lower Upper
 96 100
 61 132.4 92.9 172.5
 98 65.2 45.0 83.6



#33
 Benzene
 Concen: 0.176 ug/L
 RT: 5.776 min Scan# 1395
 Delta R.T. 0.006 min
 Lab File: VU060599.D
 Acq: 04 Sep 2024 15:03

Tgt Ion: 78 Resp: 7803

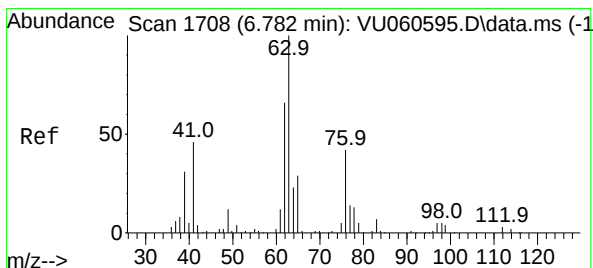
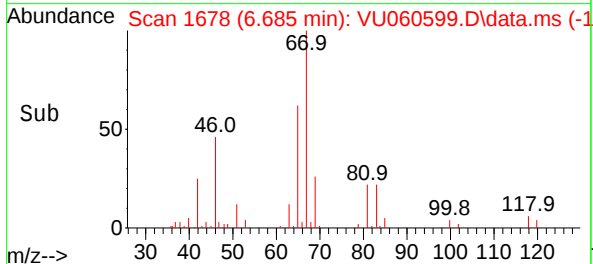
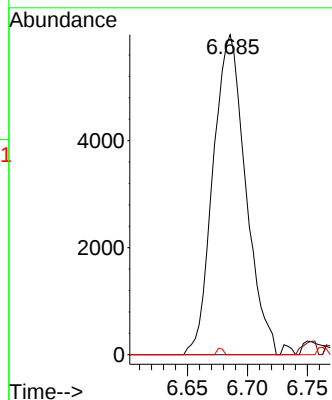
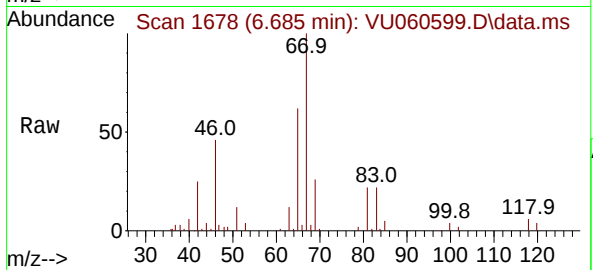




#35
Methylcyclohexane
Concen: 0.686 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU060599.D
Acq: 04 Sep 2024 15:03

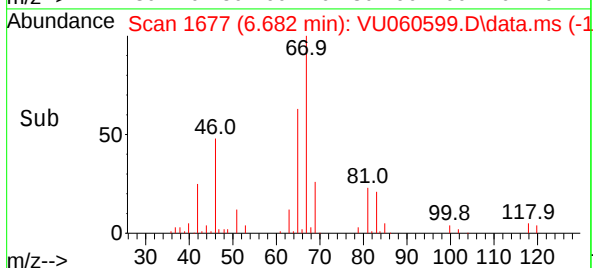
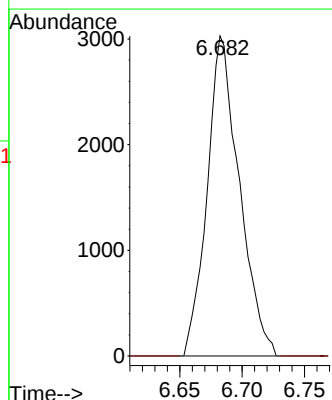
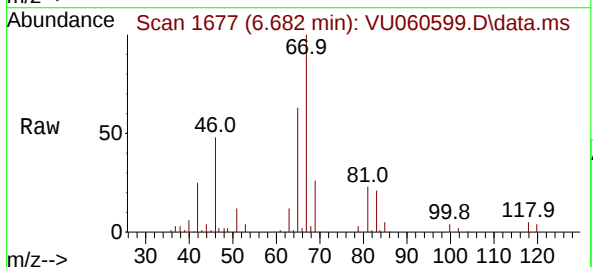
Instrument :
MSVOA_V
ClientSampleId :

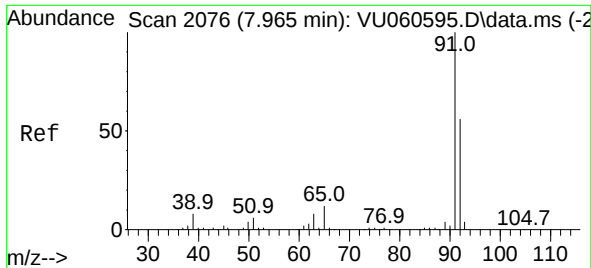
Tgt Ion: 83 Resp: 11314
Ion Ratio Lower Upper
83 100
55 1.7 65.8 98.8#
98 0.4 37.8 56.8#



#37
1,2-Dichloropropane
Concen: 0.480 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU060599.D
Acq: 04 Sep 2024 15:03

Tgt Ion: 63 Resp: 5454
Ion Ratio Lower Upper
63 100
112 0.7 2.3 3.5#





#42

Toluene

Concen: 18.993 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU060599.D

Acq: 04 Sep 2024 15:03

Instrument :

MSVOA_V

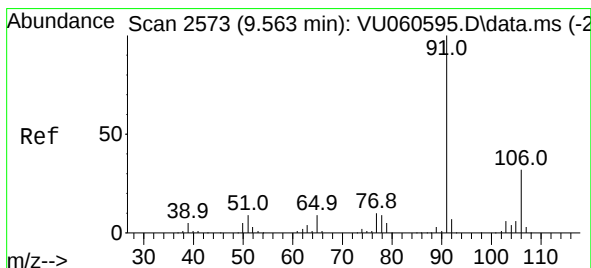
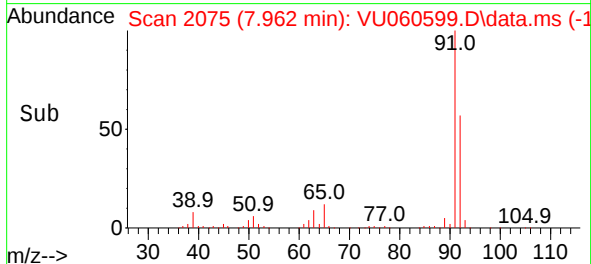
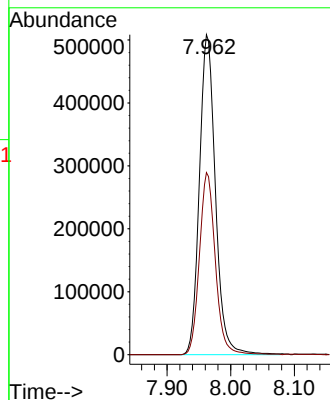
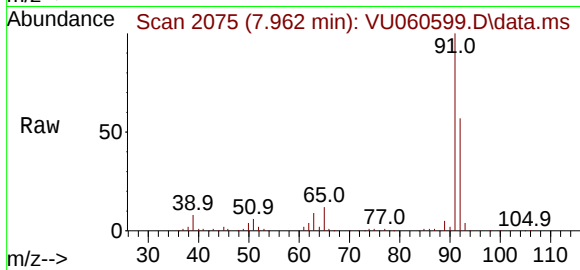
ClientSampleId :

Tgt Ion: 91 Resp: 890318

Ion Ratio Lower Upper

91 100

92 56.9 38.0 70.6



#52

Ethylbenzene

Concen: 0.643 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU060599.D

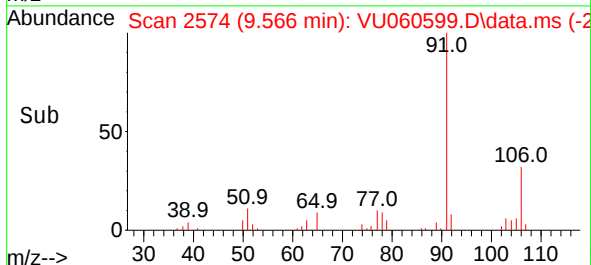
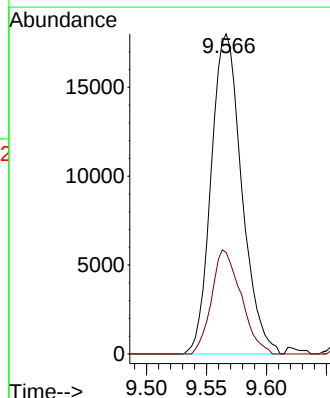
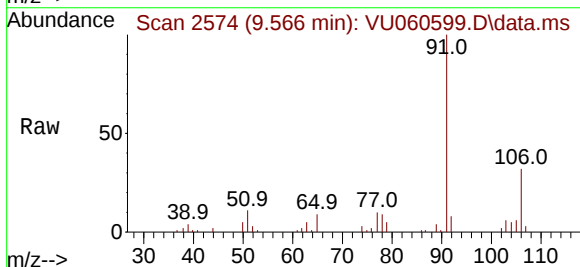
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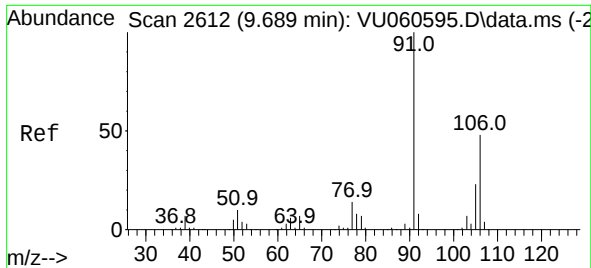
Tgt Ion: 91 Resp: 31951

Ion Ratio Lower Upper

91 100

106 31.7 21.9 40.7





#53

m,p-Xylene

Concen: 3.574 ug/L

RT: 9.685 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU060599.D

Acq: 04 Sep 2024 15:03

Instrument :

MSVOA_V

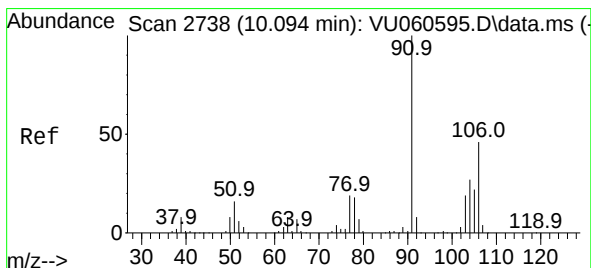
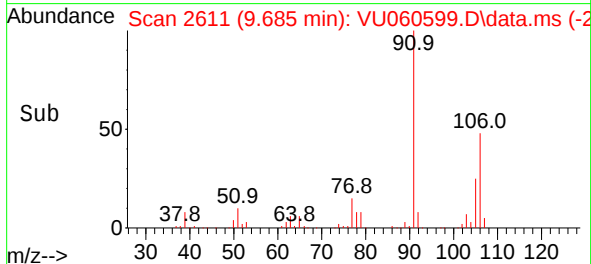
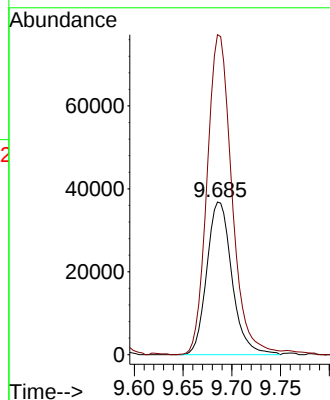
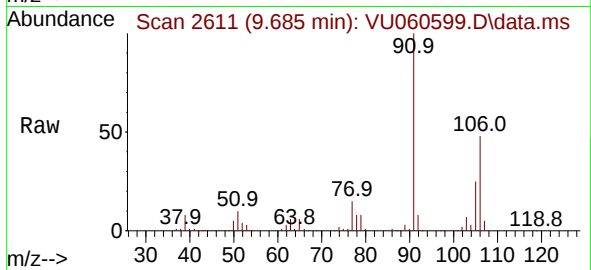
ClientSampleId :

Tgt Ion:106 Resp: 66005

Ion Ratio Lower Upper

106 100

91 209.6 141.5 262.9



#54

o-Xylene

Concen: 2.084 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU060599.D

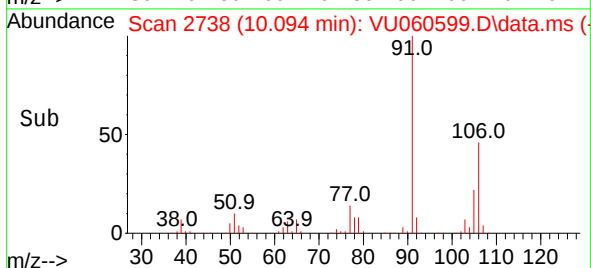
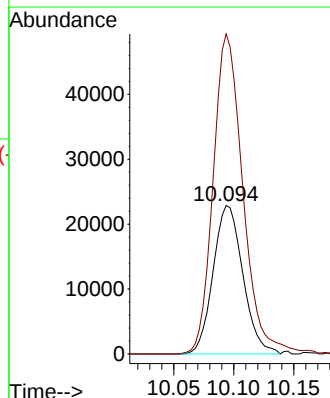
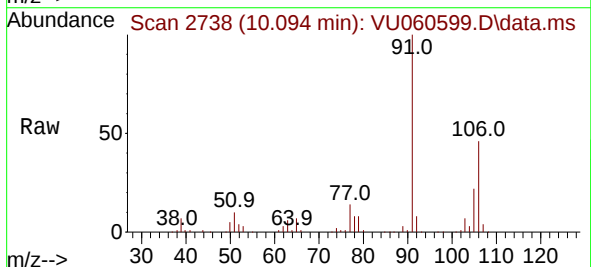
Acq: 04 Sep 2024 15:03

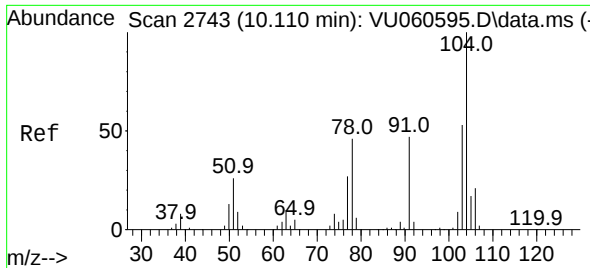
Tgt Ion:106 Resp: 39408

Ion Ratio Lower Upper

106 100

91 215.5 151.1 280.7

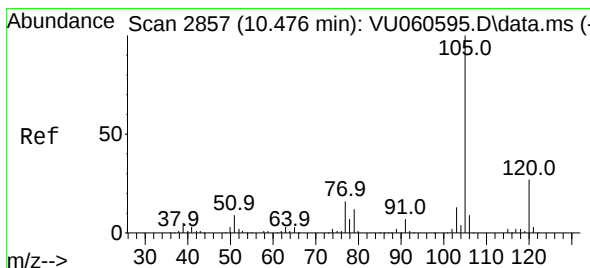
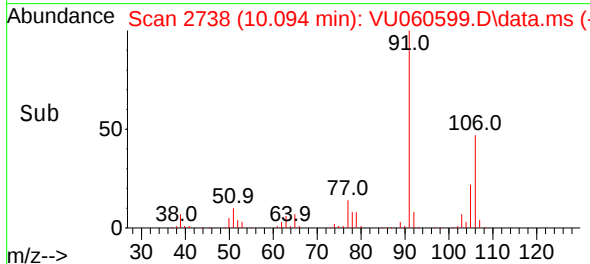
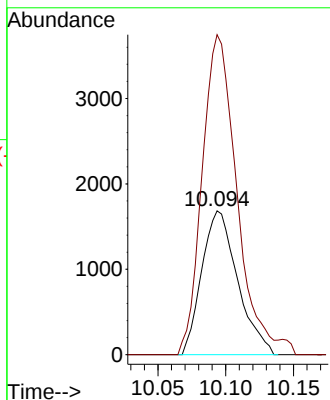
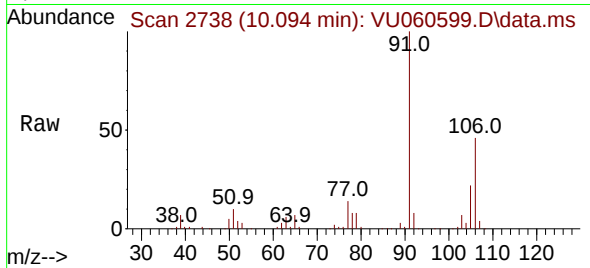




#55
Styrene
Concen: 0.100 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.016 min
Lab File: VU060599.D
Acq: 04 Sep 2024 15:03

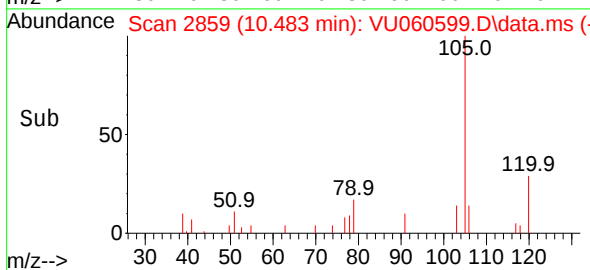
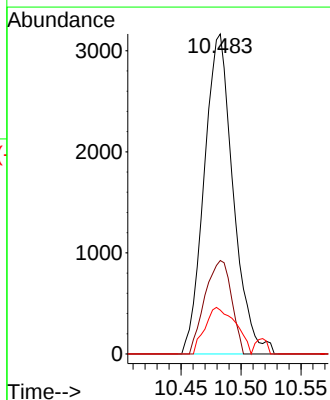
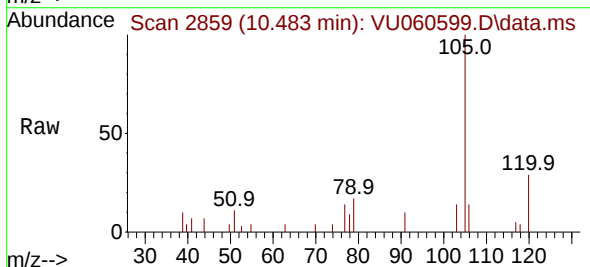
Instrument :
MSVOA_V
ClientSampleId :

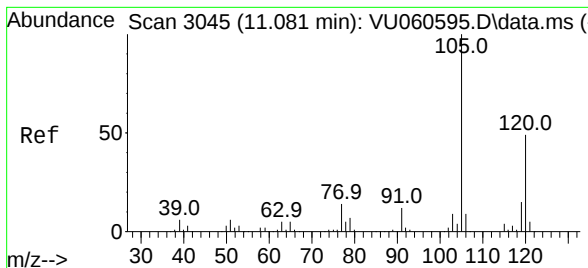
Tgt Ion:104 Resp: 3093
Ion Ratio Lower Upper
104 100
78 222.5 33.3 61.9#



#60
Isopropylbenzene
Concen: 0.110 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.006 min
Lab File: VU060599.D
Acq: 04 Sep 2024 15:03

Tgt Ion:105 Resp: 5314
Ion Ratio Lower Upper
105 100
120 26.8 21.0 31.4
77 15.4 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 0.971 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU060599.D

Acq: 04 Sep 2024 15:03

Instrument :

MSVOA_V

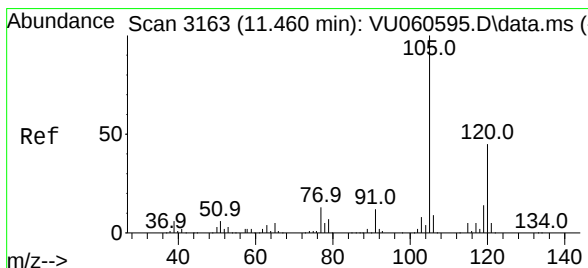
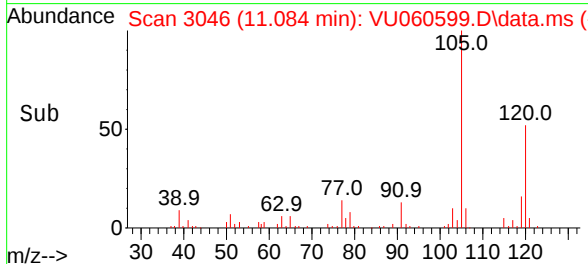
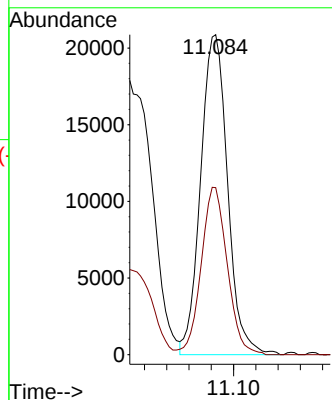
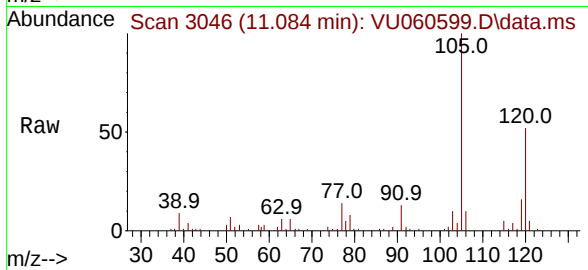
ClientSampleId :

Tgt Ion:105 Resp: 35080

Ion Ratio Lower Upper

105 100

120 50.6 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 2.784 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU060599.D

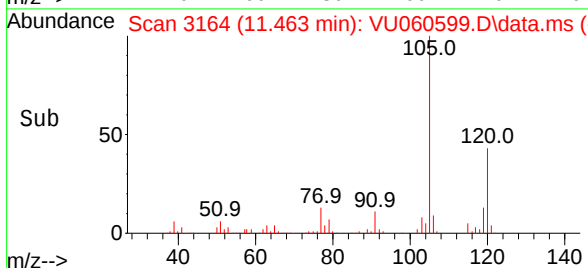
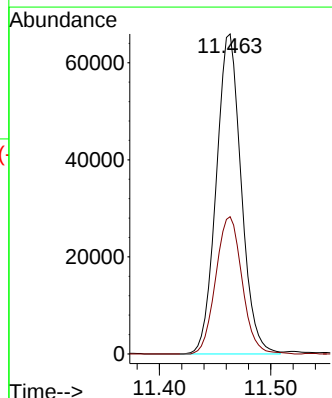
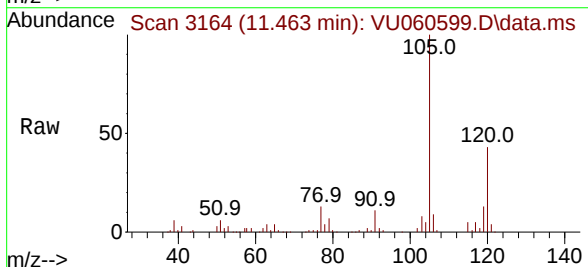
Acq: 04 Sep 2024 15:03

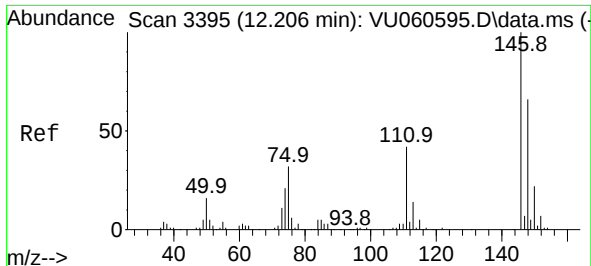
Tgt Ion:105 Resp: 102645

Ion Ratio Lower Upper

105 100

120 45.2 35.7 53.5





#67

1,2-Dichlorobenzene

Concen: 0.449 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

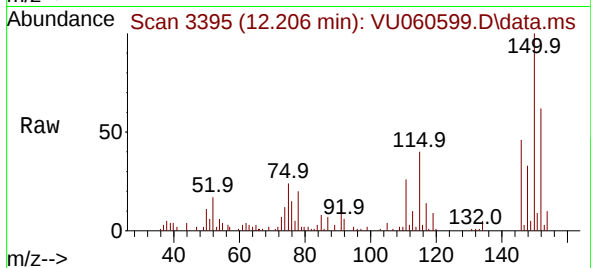
Lab File: VU060599.D

Acq: 04 Sep 2024 15:03

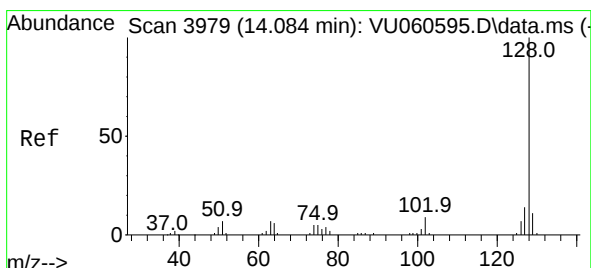
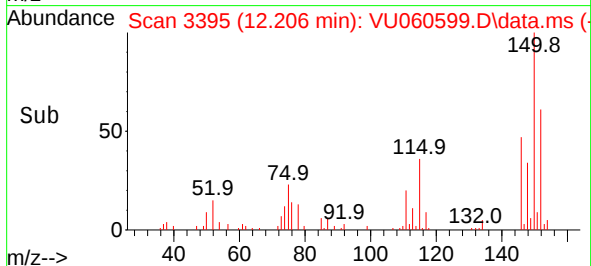
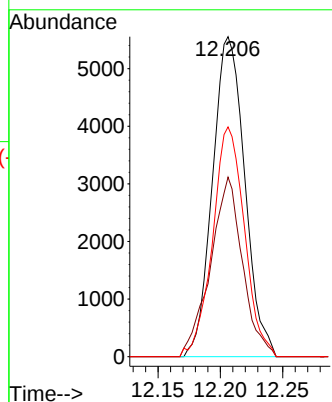
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	146	Resp:	9999
Ion	Ratio	Lower	Upper
146	100		
111	56.1	34.6	52.0#
148	71.8	51.4	77.2



#71

Naphthalene

Concen: 2.613 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.003 min

Lab File: VU060599.D

Acq: 04 Sep 2024 15:03

Tgt Ion:	128	Resp:	49279
Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.5	12.7
127	13.3	10.2	15.2

