

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
 Data File : VU060867.D
 Acq On : 18 Sep 2024 14:01
 Operator : MD/SY
 Sample : P3973-07DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 19 05:13:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 05:11:13 2024
 Response via : Initial Calibration

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

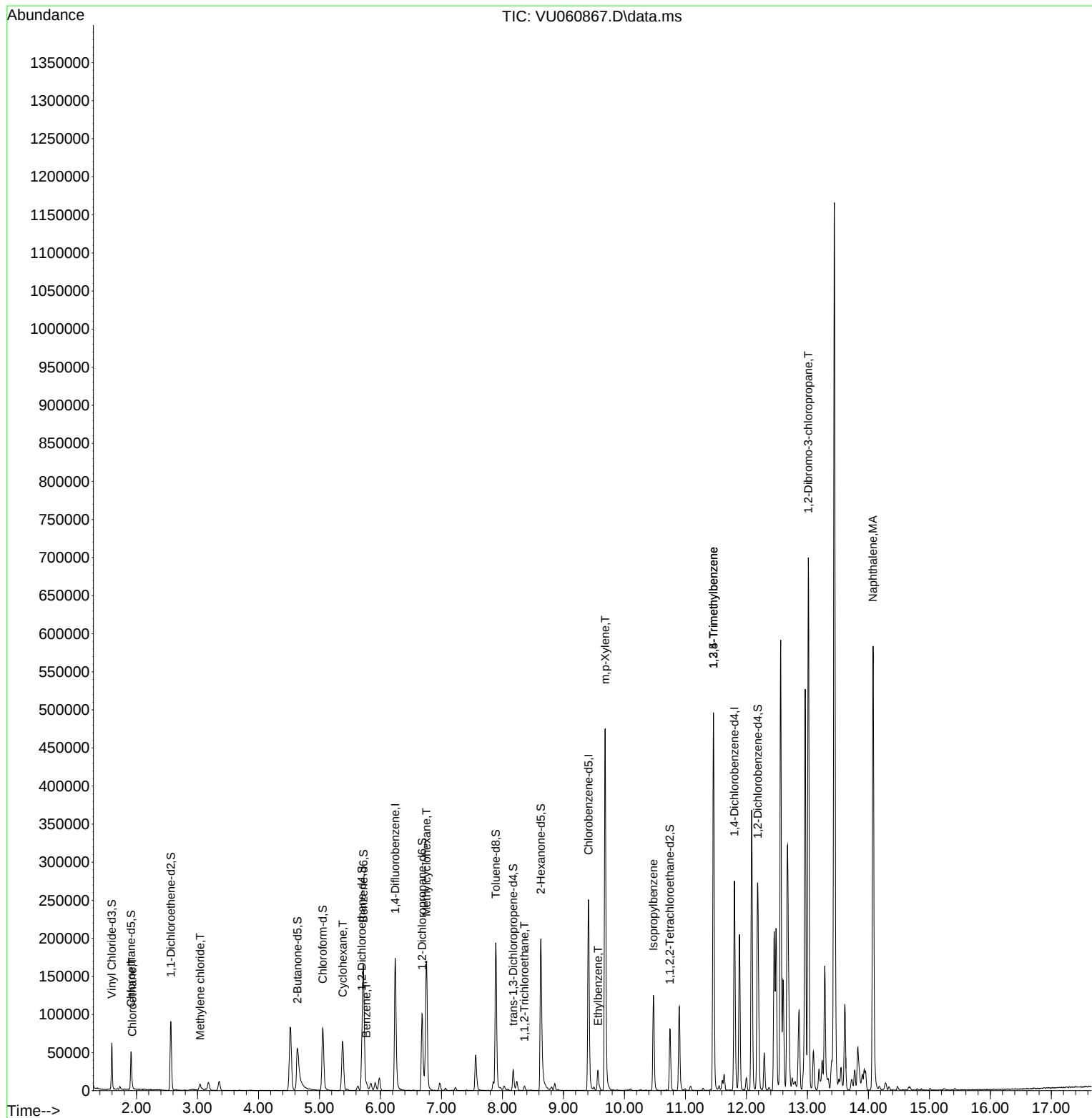
Internal Standards						
1) 1,4-Difluorobenzene	6.241	114	154439	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	158987	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	80210	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	42419	3.054	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.000%
7) Chloroethane-d5	1.910	69	36829	3.724	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.400%
11) 1,1-Dichloroethene-d2	2.563	65	17639	3.583	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.600%
20) 2-Butanone-d5	4.637	46	91167	40.882	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.760%
24) Chloroform-d	5.055	84	81028	3.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
26) 1,2-Dichloroethane-d4	5.695	65	39852	3.926	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
32) Benzene-d6	5.721	84	166574	3.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
36) 1,2-Dichloropropane-d6	6.685	67	53240	4.038	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.800%
41) Toluene-d8	7.891	98	141965	3.654	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	8.177	79	18670	3.934	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.600%
46) 2-Hexanone-d5	8.630	63	75994	40.593	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.180%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	41565	4.024	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	60814	4.512	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						Qvalue
8) Chloroethane	1.930	64	3054	0.375	ug/L	95
16) Methylene chloride	3.042	84	2939	0.261	ug/L	92
30) Cyclohexane	5.380	56	29529	2.093	ug/L	94
33) Benzene	5.769	78	5742	0.131	ug/L	100
35) Methylcyclohexane	6.753	83	66487	4.229	ug/L	97
45) 1,1,2-Trichloroethane	8.360	97	2136	0.246	ug/L #	15
52) Ethylbenzene	9.566	91	19430	0.404	ug/L	94
53) m,p-Xylene	9.685	106	141480	7.754	ug/L	99
60) Isopropylbenzene	10.476	105	82139	1.728	ug/L	100
62) 1,3,5-Trimethylbenzene	11.460	105	272584	7.378	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	272584	7.468	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.016	75	2862	1.959	ug/L #	1
71) Naphthalene	14.077	128	487924	29.374	ug/L	99

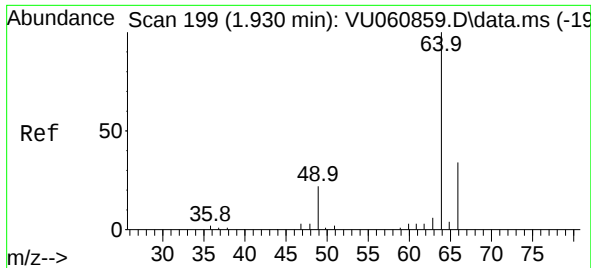
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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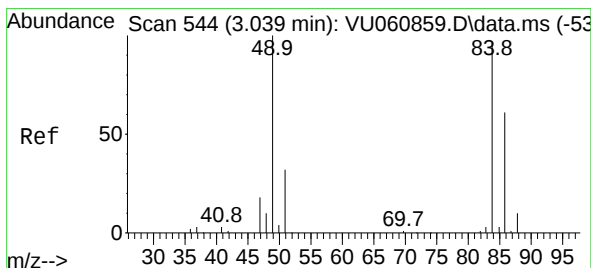
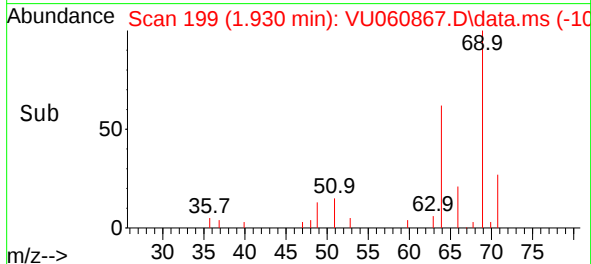
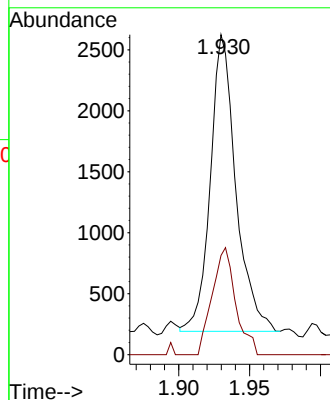
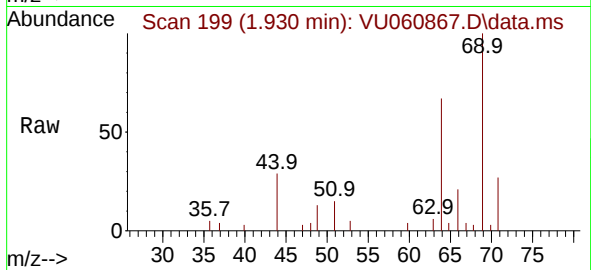




#8
Chloroethane
Concen: 0.375 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU060867.D
Acq: 18 Sep 2024 14:01

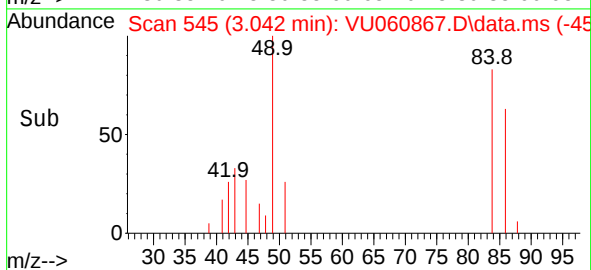
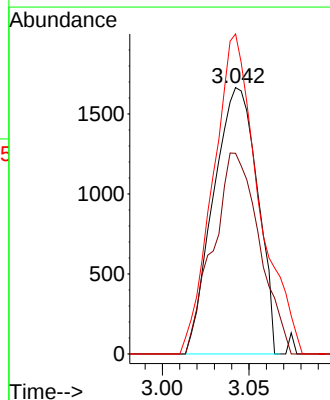
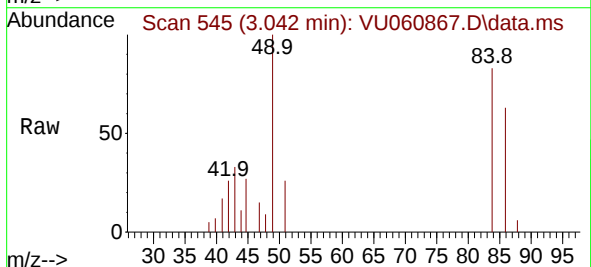
Instrument :
MSVOA_U
ClientSampleId :

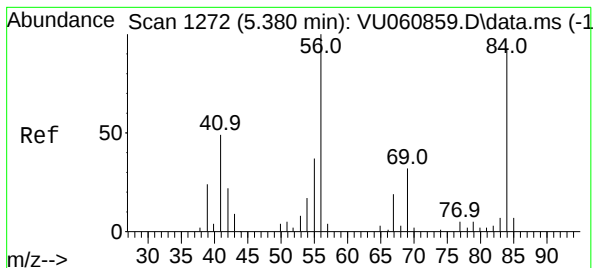
Tgt Ion: 64 Resp: 3054
Ion Ratio Lower Upper
64 100
66 29.2 22.3 41.3



#16
Methylene chloride
Concen: 0.261 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU060867.D
Acq: 18 Sep 2024 14:01

Tgt Ion: 84 Resp: 2939
Ion Ratio Lower Upper
84 100
86 75.3 47.3 87.8
49 120.1 78.7 146.1





#30

Cyclohexane

Concen: 2.093 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VU060867.D

Acq: 18 Sep 2024 14:01

Instrument :

MSVOA_U

ClientSampleId :

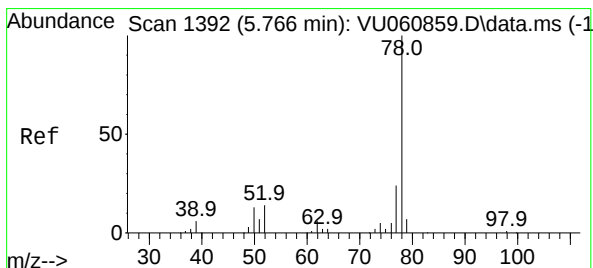
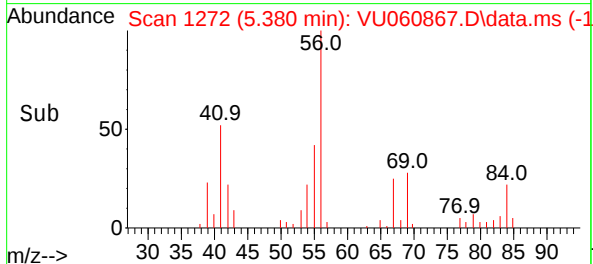
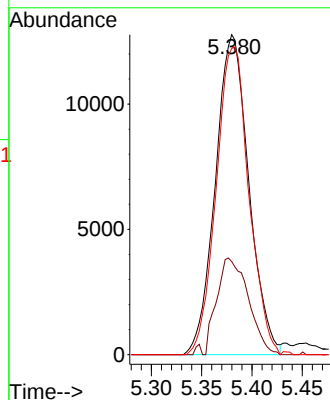
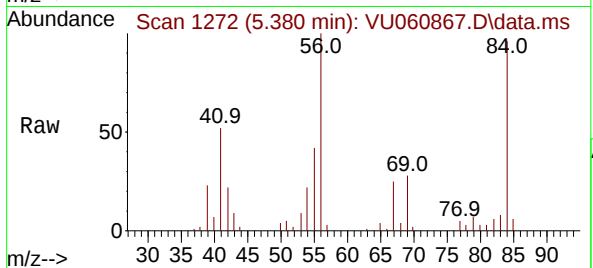
Tgt Ion: 56 Resp: 29529

Ion Ratio Lower Upper

56 100

69 28.6 25.4 38.0

84 94.2 71.0 106.6



#33

Benzene

Concen: 0.131 ug/L

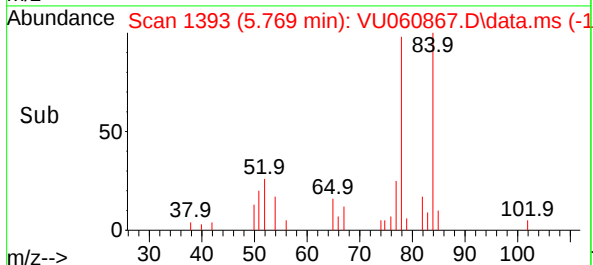
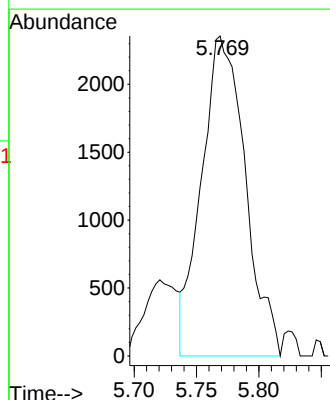
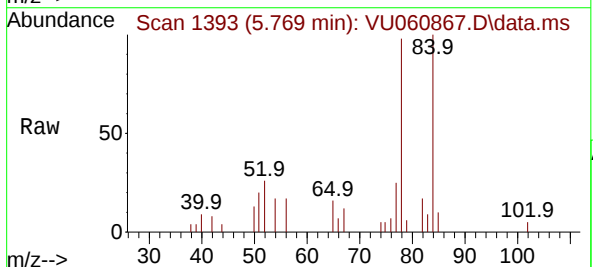
RT: 5.769 min Scan# 1393

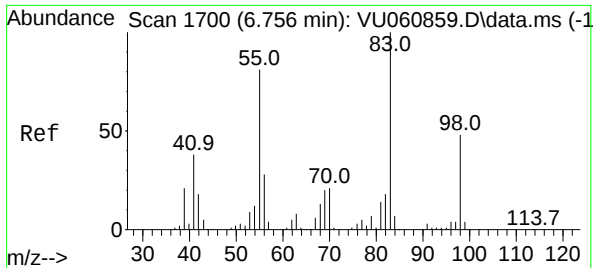
Delta R.T. 0.003 min

Lab File: VU060867.D

Acq: 18 Sep 2024 14:01

Tgt Ion: 78 Resp: 5742

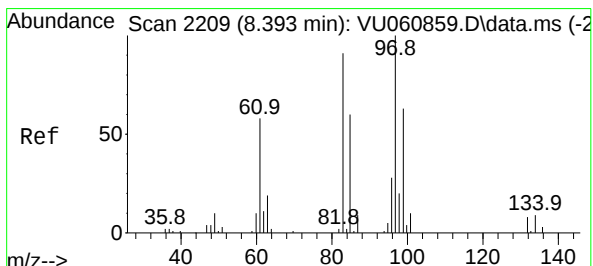
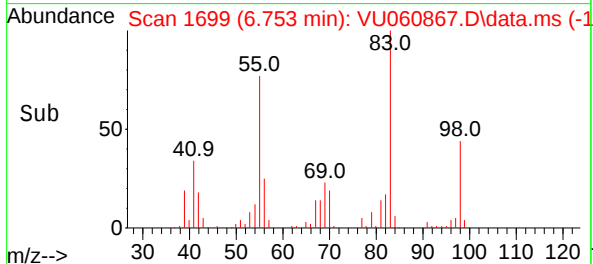
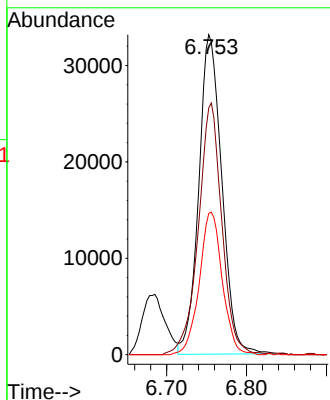
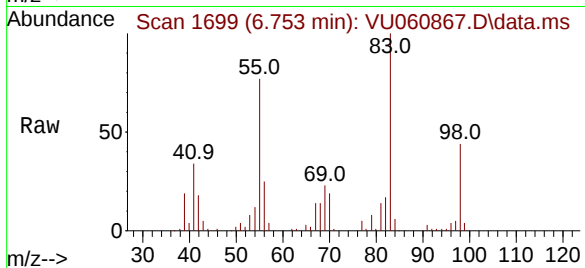




#35
Methylcyclohexane
Concen: 4.229 ug/L
RT: 6.753 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU060867.D
Acq: 18 Sep 2024 14:01

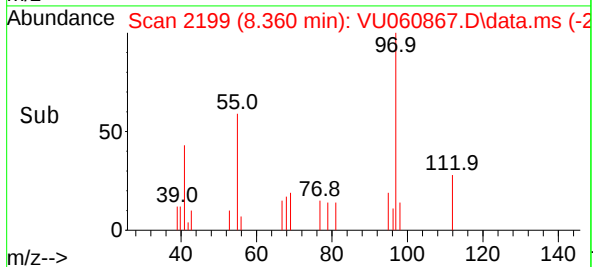
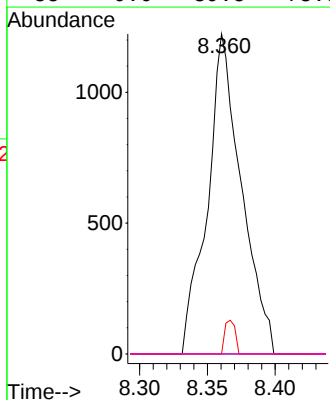
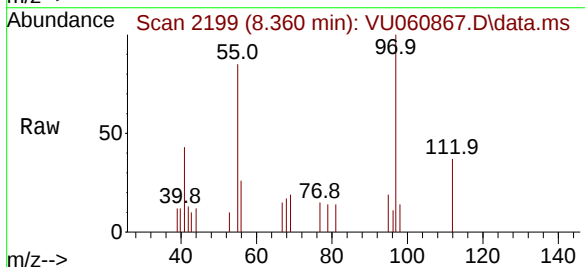
Instrument :
MSVOA_U
ClientSampleId :

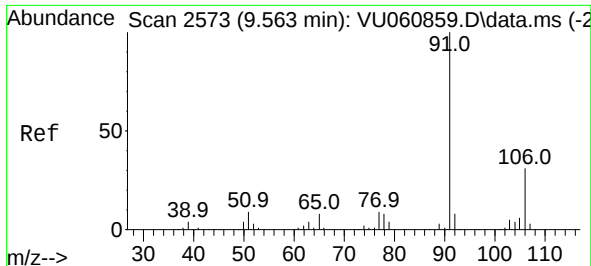
Tgt Ion: 83 Resp: 66487
Ion Ratio Lower Upper
83 100
55 80.3 62.6 94.0
98 44.5 37.6 56.4



#45
1,1,2-Trichloroethane
Concen: 0.246 ug/L
RT: 8.360 min Scan# 2199
Delta R.T. -0.032 min
Lab File: VU060867.D
Acq: 18 Sep 2024 14:01

Tgt Ion: 97 Resp: 2136
Ion Ratio Lower Upper
97 100
99 0.0 42.3 78.5#
83 0.0 61.7 114.5#
85 0.0 39.5 73.3#





#52

Ethylbenzene

Concen: 0.404 ug/L

RT: 9.566 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU060867.D

Acq: 18 Sep 2024 14:01

Instrument :

MSVOA_U

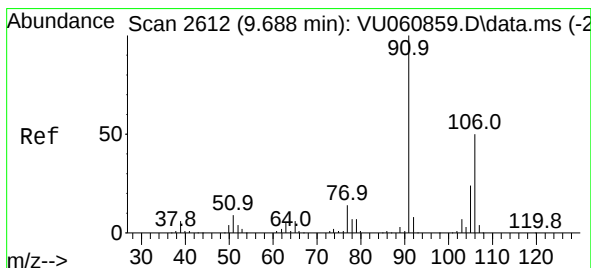
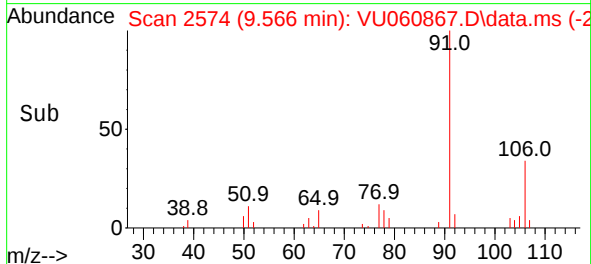
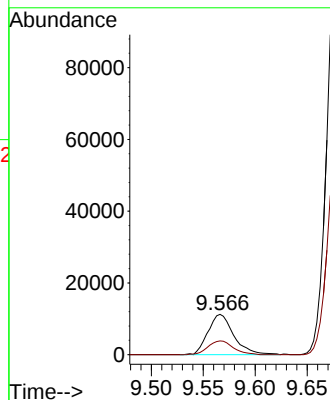
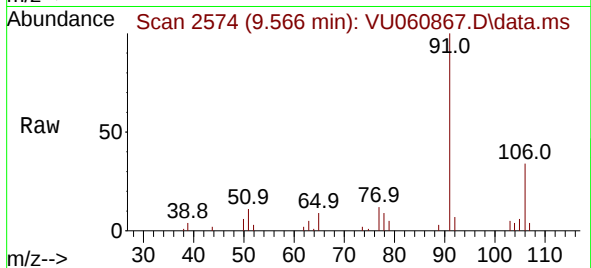
ClientSampleId :

Tgt Ion: 91 Resp: 19430

Ion Ratio Lower Upper

91 100

106 34.4 21.8 40.6



#53

m,p-Xylene

Concen: 7.754 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.003 min

Lab File: VU060867.D

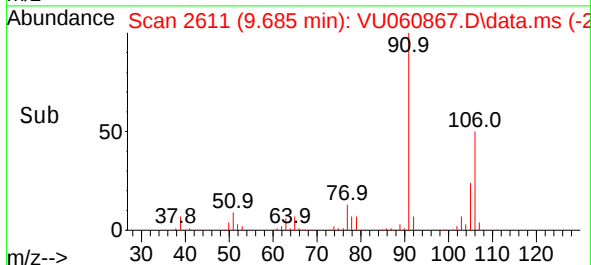
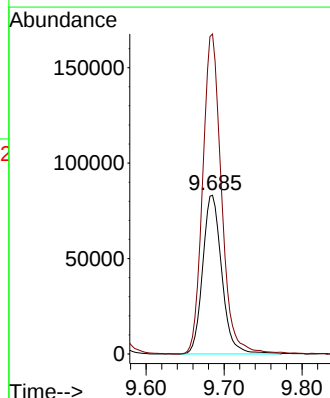
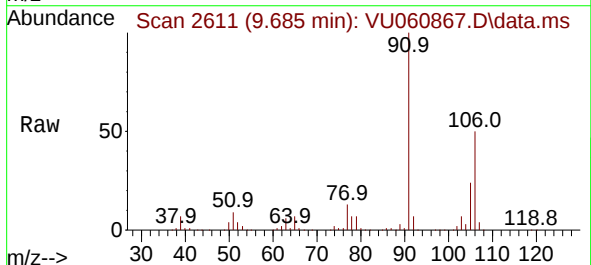
Acq: 18 Sep 2024 14:01

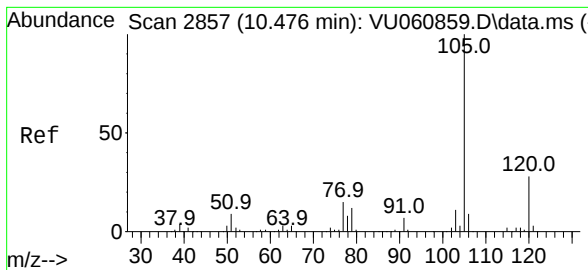
Tgt Ion:106 Resp: 141480

Ion Ratio Lower Upper

106 100

91 201.6 139.7 259.4





#60

Isopropylbenzene

Concen: 1.728 ug/L

RT: 10.476 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU060867.D

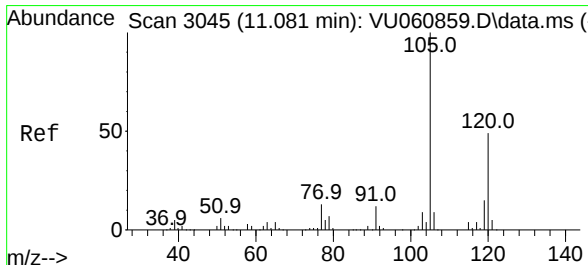
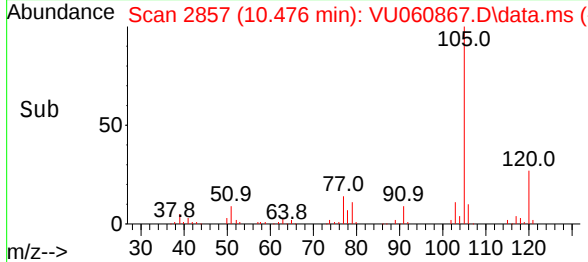
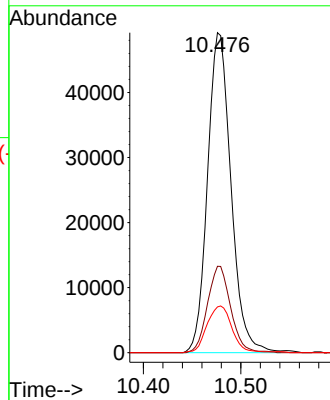
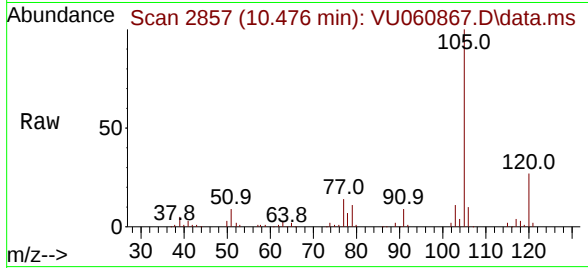
Acq: 18 Sep 2024 14:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105	Resp:	82139
Ion Ratio	Lower	Upper
105	100	
120	26.7	21.5 32.3
77	15.5	12.6 18.8



#62

1,3,5-Trimethylbenzene

Concen: 7.378 ug/L

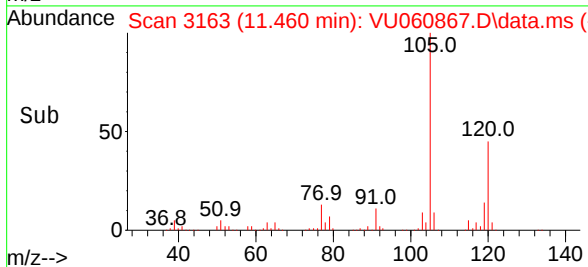
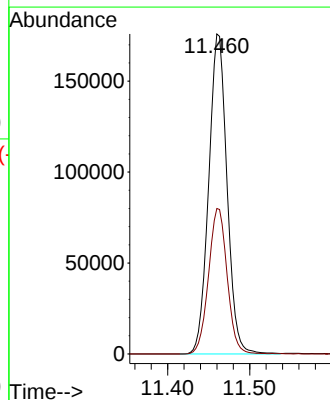
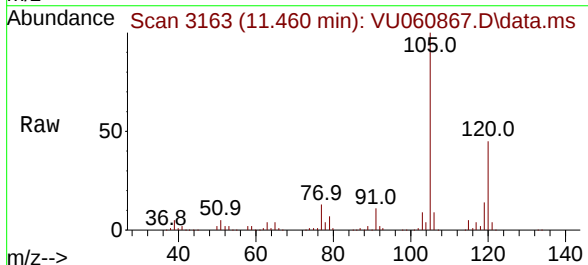
RT: 11.460 min Scan# 3163

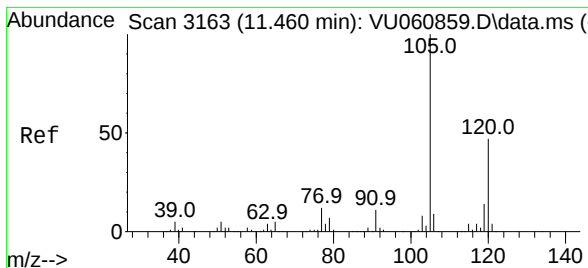
Delta R.T. 0.379 min

Lab File: VU060867.D

Acq: 18 Sep 2024 14:01

Tgt Ion:105	Resp:	272584
Ion Ratio	Lower	Upper
105	100	
120	46.2	38.5 57.7





#63

1,2,4-Trimethylbenzene

Concen: 7.468 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU060867.D

Acq: 18 Sep 2024 14:01

Instrument :

MSVOA_U

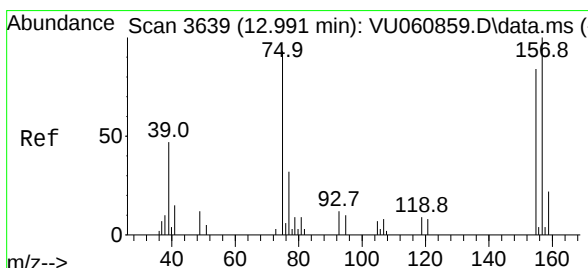
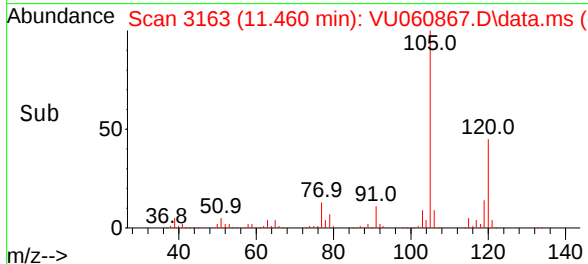
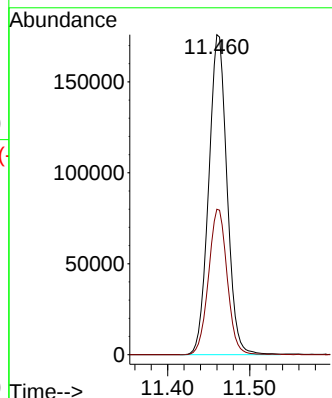
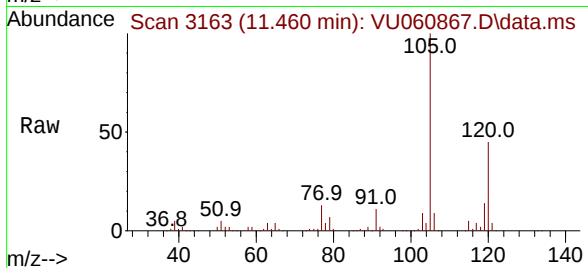
ClientSampleId :

Tgt Ion:105 Resp: 272584

Ion Ratio Lower Upper

105 100

120 46.2 36.1 54.1



#68

1,2-Dibromo-3-chloropropane

Concen: 1.959 ug/L

RT: 13.016 min Scan# 3647

Delta R.T. 0.026 min

Lab File: VU060867.D

Acq: 18 Sep 2024 14:01

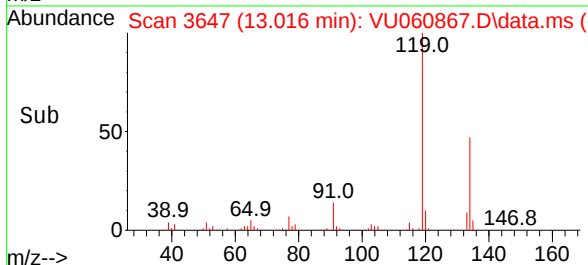
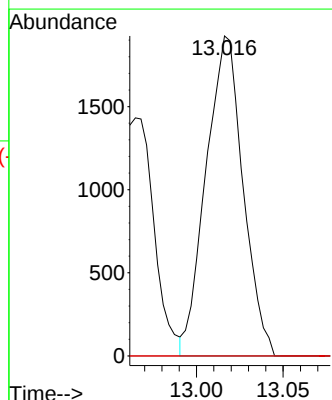
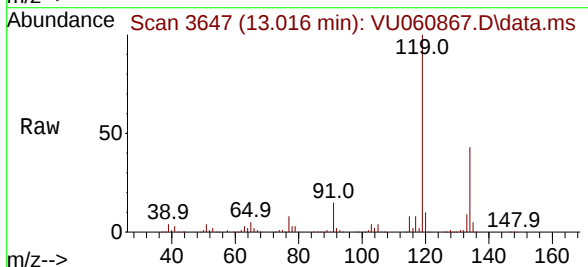
Tgt Ion: 75 Resp: 2862

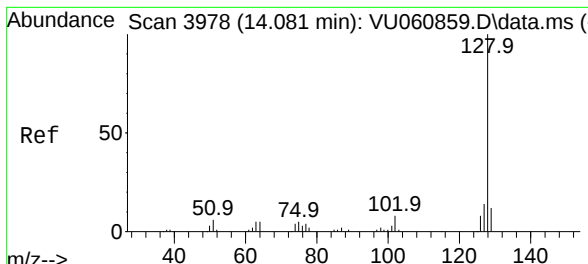
Ion Ratio Lower Upper

75 100

155 0.0 73.1 109.7#

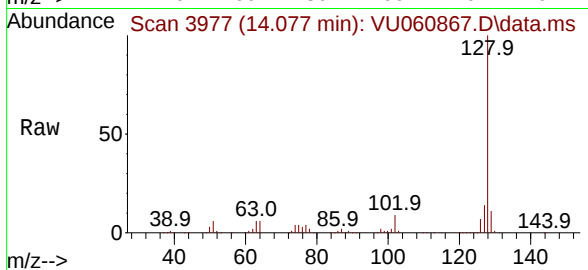
157 0.0 91.0 136.4#





#71
 Naphthalene
 Concen: 29.374 ug/L
 RT: 14.077 min Scan# 3977
 Delta R.T. -0.003 min
 Lab File: VU060867.D
 Acq: 18 Sep 2024 14:01

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	487924
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.3	12.5
127	13.6	10.7	16.1

