

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011625\
 Data File : VU062806.D
 Acq On : 16 Jan 2025 09:31
 Operator : MD/SY
 Sample : VU0116WBL01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 22:03:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 22:02:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/L	-6.24
28) Chlorobenzene-d5	9.418	117	181	5.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	127	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.351	65	88	0.000	ug/L	-0.24
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.000%#
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	5.000	Range	65 - 130	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	0.000	65	0	0.000	ug/L	
Spiked Amount	5.000	Range	60 - 125	Recovery	=	0.000%#
20) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	50.000	Range	40 - 130	Recovery	=	0.000%#
24) Chloroform-d	0.000	84	0	0.000	ug/L	
Spiked Amount	5.000	Range	70 - 125	Recovery	=	0.000%#
26) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/L	
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.000%#
32) Benzene-d6	5.718	84	19	0.429	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	8.600%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	5.000	Range	60 - 140	Recovery	=	0.000%#
41) Toluene-d8	7.910	98	94	2.181	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	43.600%#
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.000%#
46) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	50.000	Range	45 - 130	Recovery	=	0.000%#
56) 1,1,2,2-Tetrachloroeth...	0.000	84	0	0.000	ug/L	
Spiked Amount	5.000	Range	65 - 120	Recovery	=	0.000%#
66) 1,2-Dichlorobenzene-d4	12.203	152	429	20.304	ug/L	0.02
Spiked Amount	5.000	Range	80 - 120	Recovery	=	406.000%#
Target Compounds						
					Qvalue	
34) Trichloroethene	6.541	95	203	11.427	ug/L #	42
40) 4-Methyl-2-pentanone	7.795	43	891	155.484	ug/L #	63
42) Toluene	7.965	91	47	0.825	ug/L #	22
48) 2-Hexanone	8.698	43	449	108.986	ug/L #	41
51) Chlorobenzene	9.460	112	163	4.374	ug/L #	28
52) Ethylbenzene	9.566	91	80	1.237	ug/L #	43
54) o-Xylene	10.110	106	70	3.022	ug/L #	1
55) Styrene	10.145	104	92	2.374	ug/L #	27
60) Isopropylbenzene	10.476	105	354	4.045	ug/L #	55
62) 1,3,5-Trimethylbenzene	11.090	105	485	6.520	ug/L #	77
63) 1,2,4-Trimethylbenzene	11.476	105	733	10.186	ug/L #	48
64) 1,3-Dichlorobenzene	11.759	146	643	15.848	ug/L	84
65) 1,4-Dichlorobenzene	11.843	146	635	15.521	ug/L	88
67) 1,2-Dichlorobenzene	12.219	146	662	17.409	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.232	180	861	28.177	ug/L #	85
70) 1,2,4-trichlorobenzene	13.852	180	1503	61.070	ug/L #	88
71) Naphthalene	14.097	128	3915	108.718	ug/L #	86
72) 1,2,3-Trichlorobenzene	14.328	180	1668	77.749	ug/L	93

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 16 22:03:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 16 22:02:47 2025
Response via : Initial Calibration

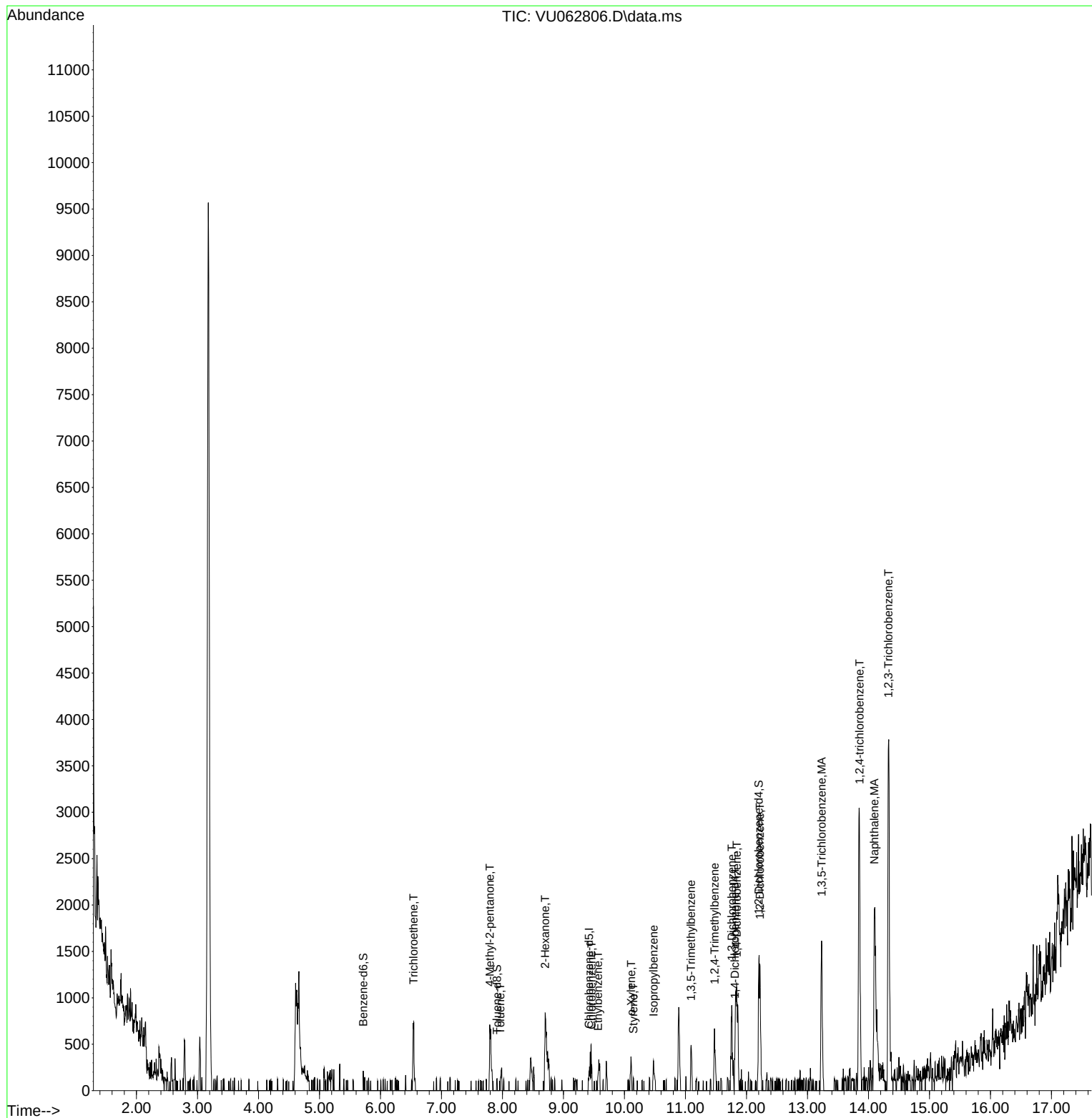
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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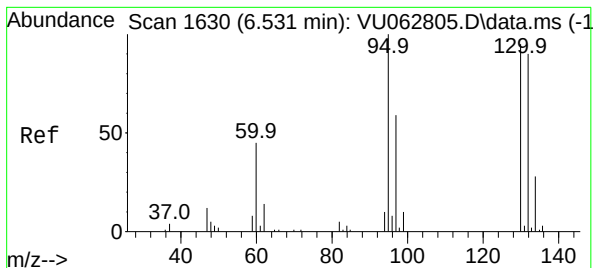
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#34

Trichloroethene

Concen: 11.427 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU062806.D

Acq: 16 Jan 2025 09:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 203

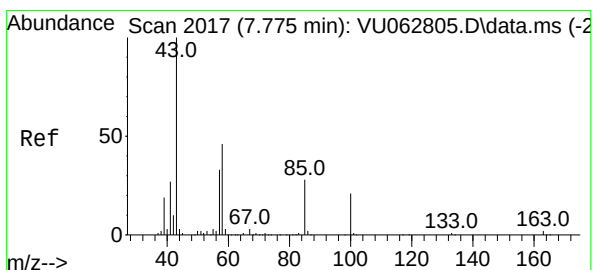
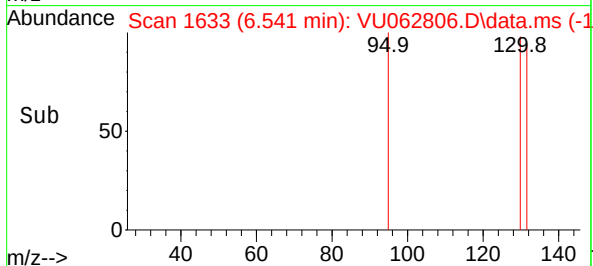
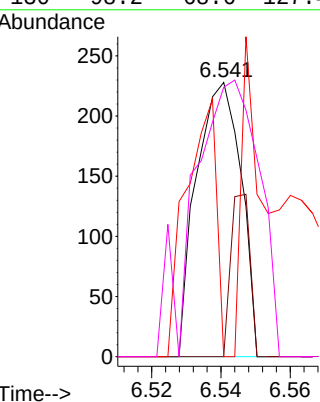
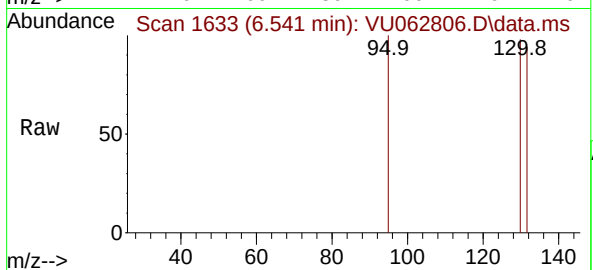
Ion Ratio Lower Upper

95 100

97 0.0 47.5 88.3#

132 0.0 66.9 124.3#

130 98.2 68.6 127.4



#40

4-Methyl-2-pentanone

Concen: 155.484 ug/L

RT: 7.795 min Scan# 2023

Delta R.T. 0.020 min

Lab File: VU062806.D

Acq: 16 Jan 2025 09:31

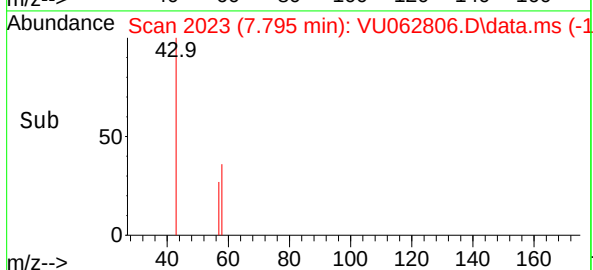
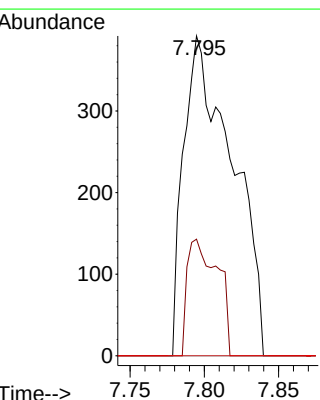
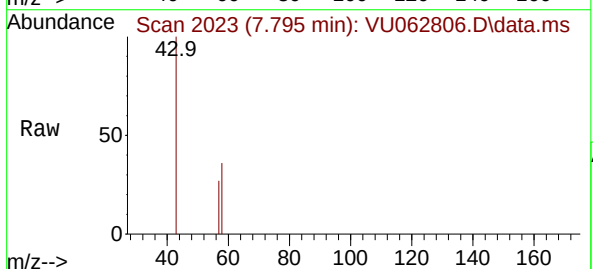
Tgt Ion: 43 Resp: 891

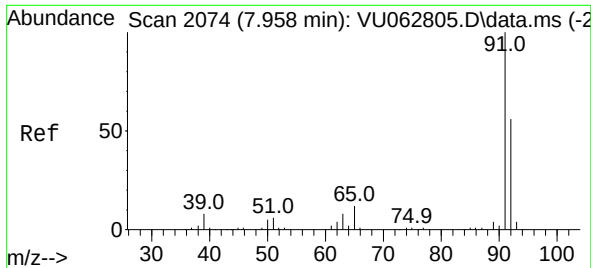
Ion Ratio Lower Upper

43 100

58 22.8 35.8 53.8#

100 0.0 16.8 25.2#





#42

Toluene

Concen: 0.825 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.007 min

Lab File: VU062806.D

Acq: 16 Jan 2025 09:31

Instrument :

MSVOA_U

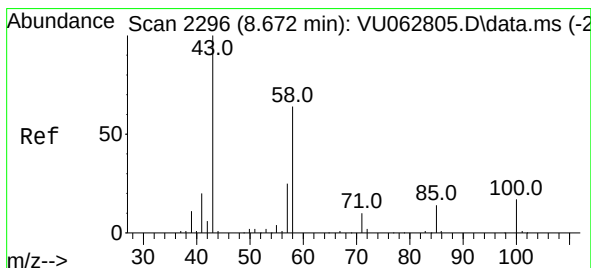
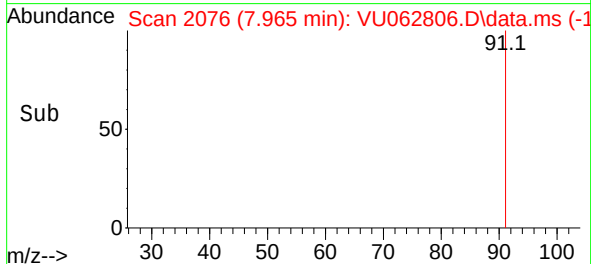
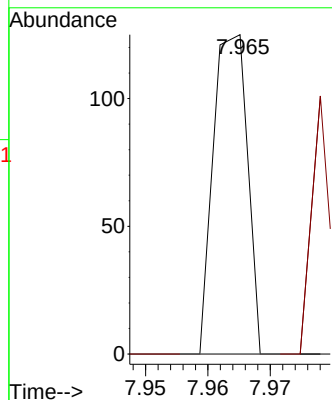
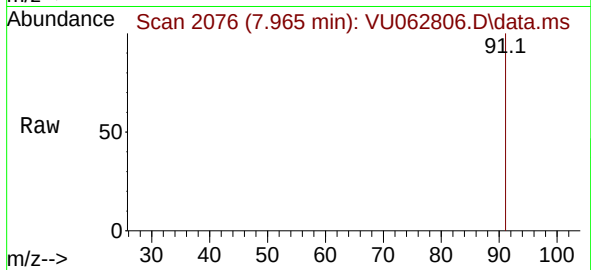
ClientSampleId :

Tgt Ion: 91 Resp: 47

Ion Ratio Lower Upper

91 100

92 0.0 40.4 75.0#



#48

2-Hexanone

Concen: 108.986 ug/L

RT: 8.698 min Scan# 2304

Delta R.T. 0.026 min

Lab File: VU062806.D

Acq: 16 Jan 2025 09:31

Tgt Ion: 43 Resp: 449

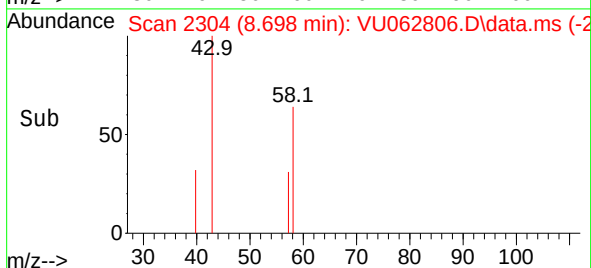
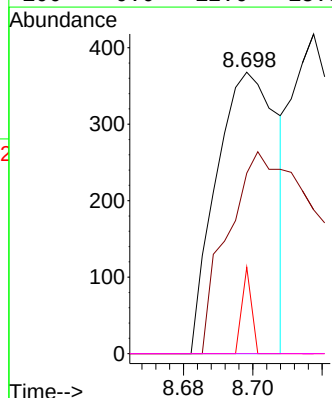
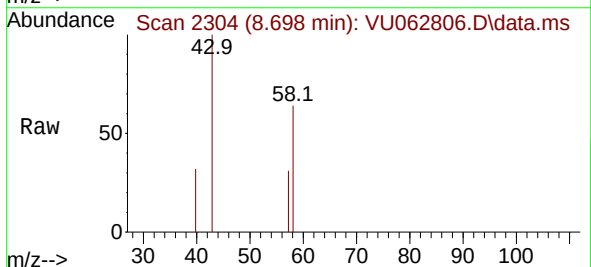
Ion Ratio Lower Upper

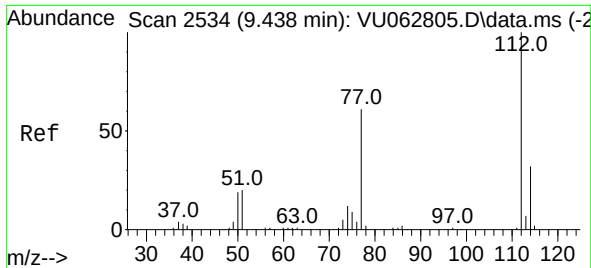
43 100

58 118.5 50.2 75.4#

57 4.9 19.9 29.9#

100 0.0 12.6 18.8#

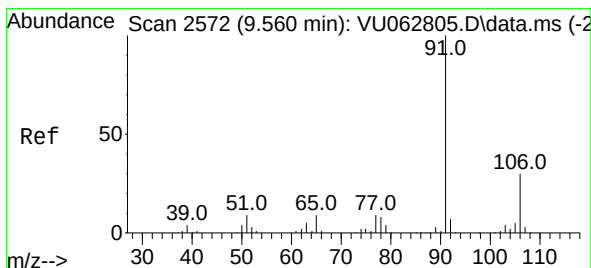
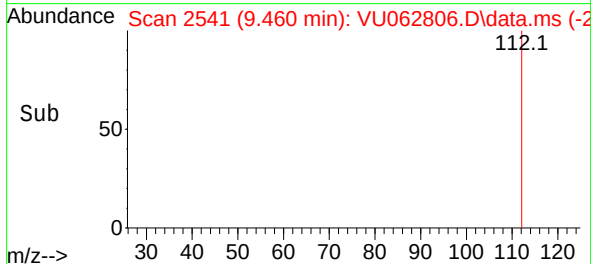
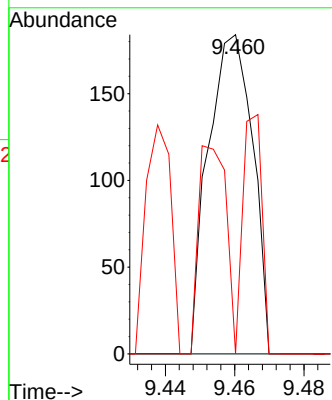
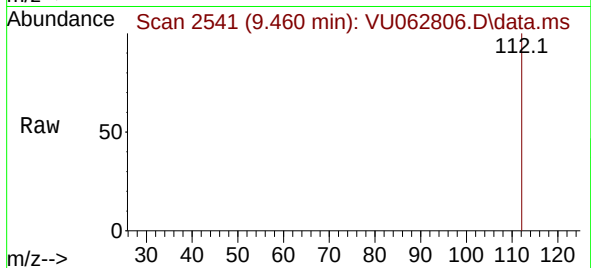




#51
Chlorobenzene
Concen: 4.374 ug/L
RT: 9.460 min Scan# 2541
Delta R.T. 0.023 min
Lab File: VU062806.D
Acq: 16 Jan 2025 09:31

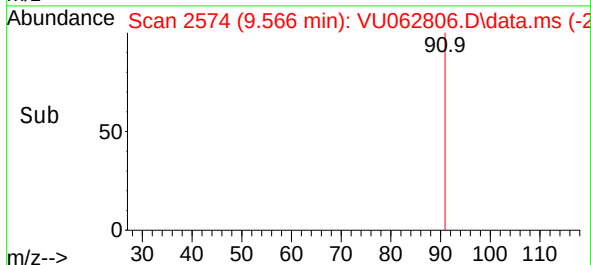
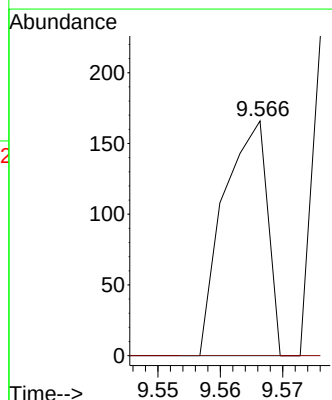
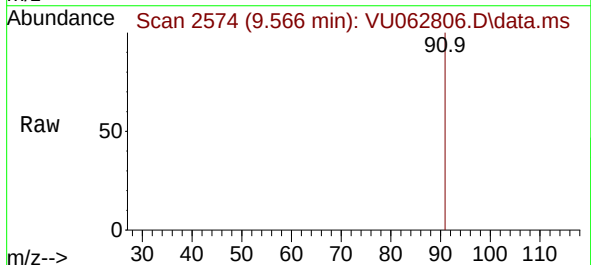
Instrument :
MSVOA_U
ClientSampleId :

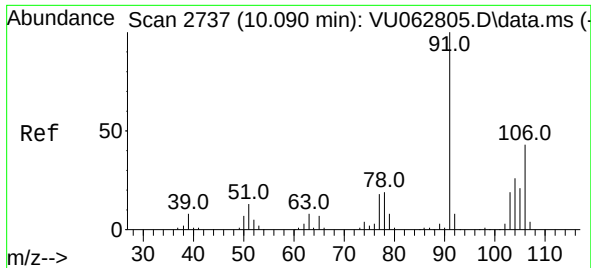
Tgt Ion:112 Resp: 163
Ion Ratio Lower Upper
112 100
114 0.0 21.7 40.3#
77 0.0 48.6 73.0#



#52
Ethylbenzene
Concen: 1.237 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.007 min
Lab File: VU062806.D
Acq: 16 Jan 2025 09:31

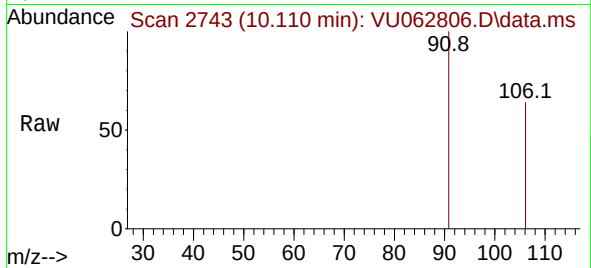
Tgt Ion: 91 Resp: 80
Ion Ratio Lower Upper
91 100
106 0.0 21.9 40.7#



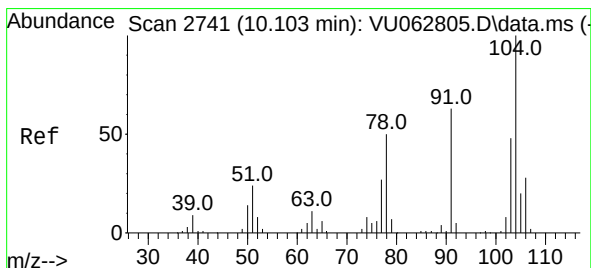
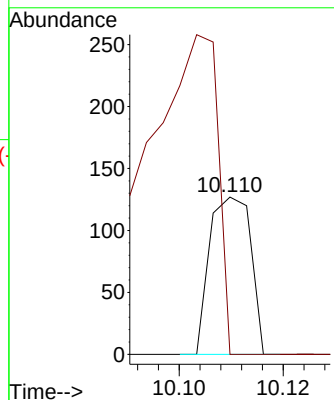
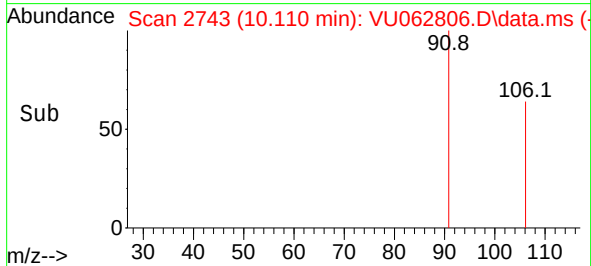


#54
o-Xylene
Concen: 3.022 ug/L
RT: 10.110 min Scan# 2737
Delta R.T. 0.020 min
Lab File: VU062806.D
Acq: 16 Jan 2025 09:31

Instrument :
MSVOA_U
ClientSampleId :

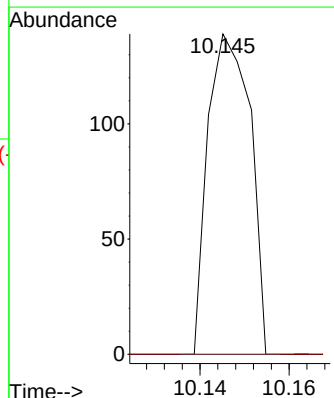
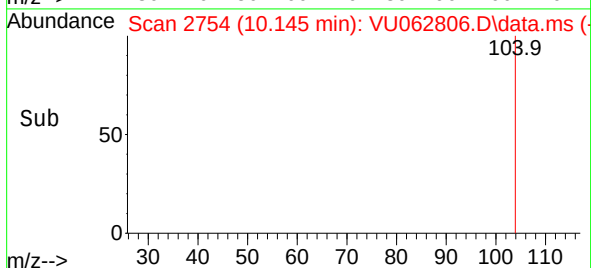
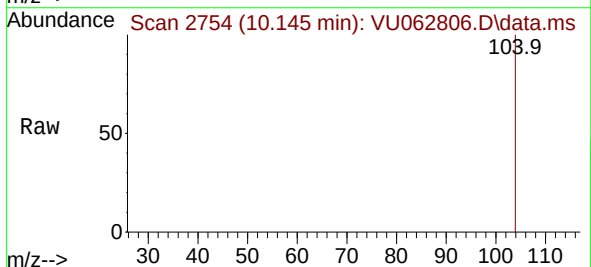


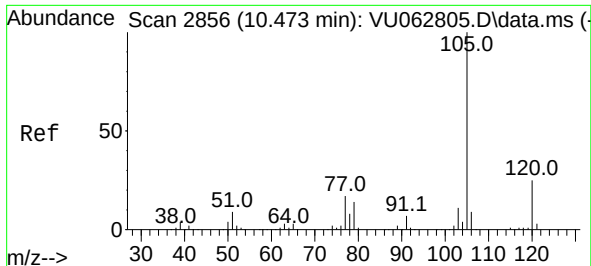
Tgt Ion:106 Resp: 70
Ion Ratio Lower Upper
106 100
91 0.0 160.4 297.8#



#55
Styrene
Concen: 2.374 ug/L
RT: 10.145 min Scan# 2754
Delta R.T. 0.042 min
Lab File: VU062806.D
Acq: 16 Jan 2025 09:31

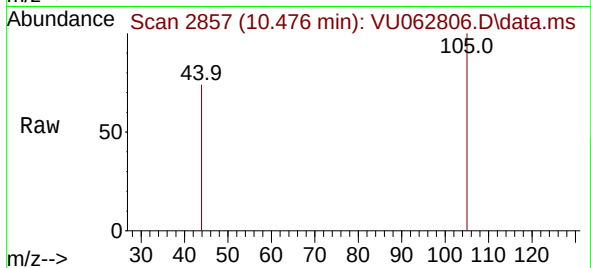
Tgt Ion:104 Resp: 92
Ion Ratio Lower Upper
104 100
78 0.0 35.5 65.9#



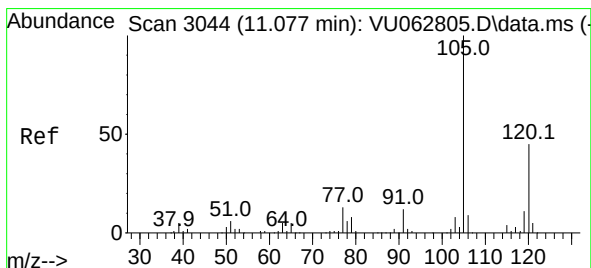
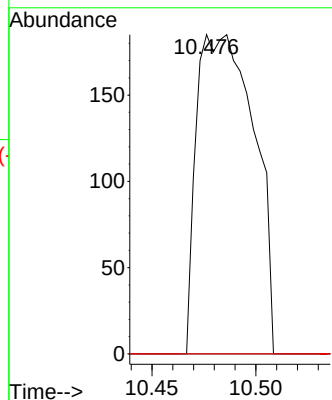
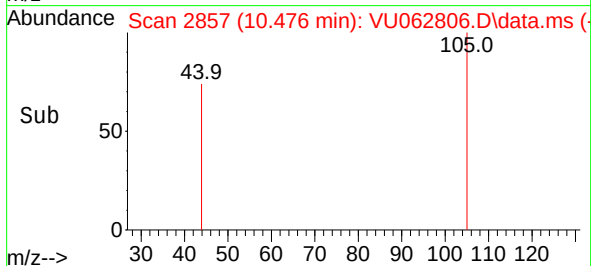


#60
Isopropylbenzene
Concen: 4.045 ug/L
RT: 10.476 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU062806.D
Acq: 16 Jan 2025 09:31

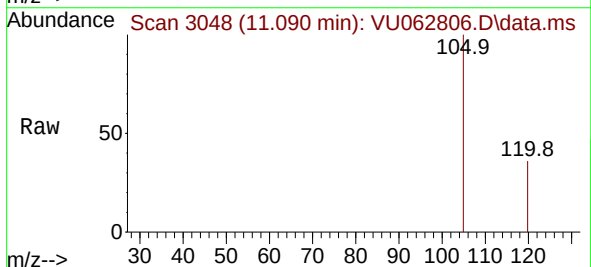
Instrument :
MSVOA_U
ClientSampleId :



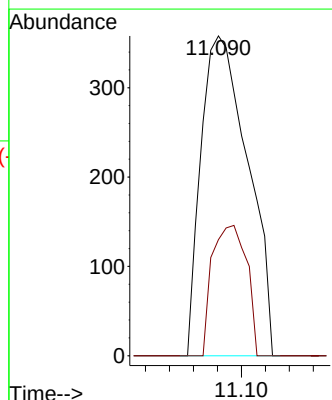
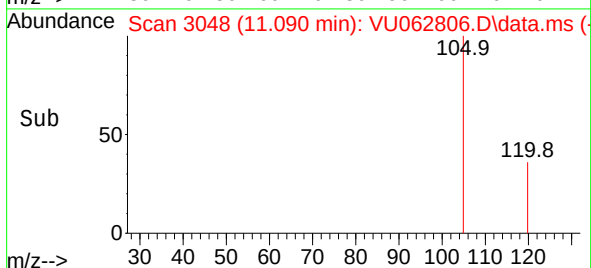
Tgt Ion:105 Resp: 354
Ion Ratio Lower Upper
105 100
120 0.0 20.2 30.2#
77 0.0 13.0 19.4#

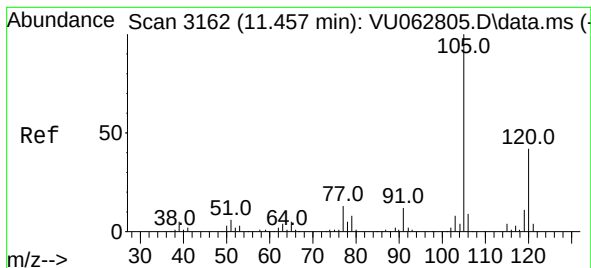


#62
1,3,5-Trimethylbenzene
Concen: 6.520 ug/L
RT: 11.090 min Scan# 3048
Delta R.T. 0.013 min
Lab File: VU062806.D
Acq: 16 Jan 2025 09:31



Tgt Ion:105 Resp: 485
Ion Ratio Lower Upper
105 100
120 29.9 35.9 53.9#





#63

1,2,4-Trimethylbenzene

Concen: 10.186 ug/L

RT: 11.476 min Scan# 3168

Delta R.T. 0.020 min

Lab File: VU062806.D

Acq: 16 Jan 2025 09:31

Instrument :

MSVOA_U

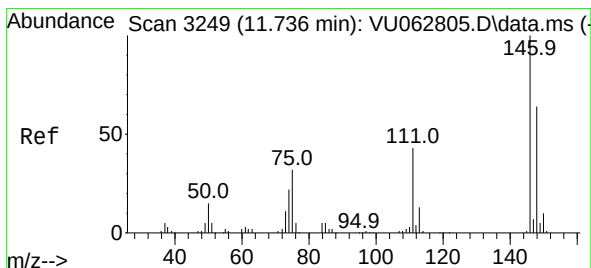
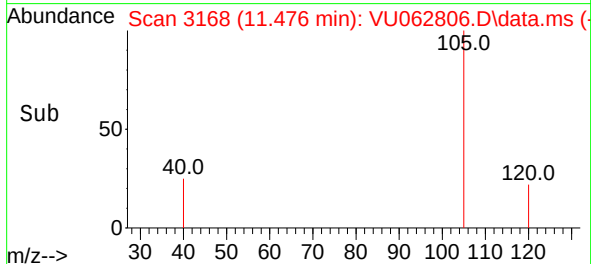
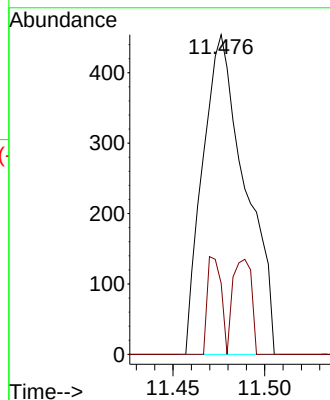
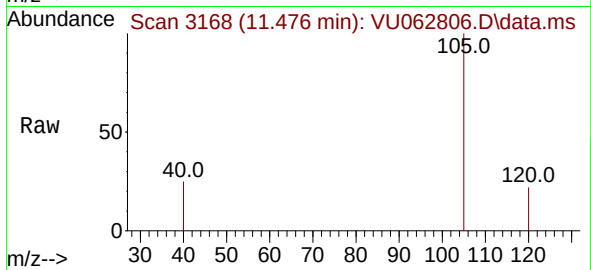
ClientSampleId :

Tgt Ion:105 Resp: 733

Ion Ratio Lower Upper

105 100

120 9.8 34.2 51.2#



#64

1,3-Dichlorobenzene

Concen: 15.848 ug/L

RT: 11.759 min Scan# 3256

Delta R.T. 0.023 min

Lab File: VU062806.D

Acq: 16 Jan 2025 09:31

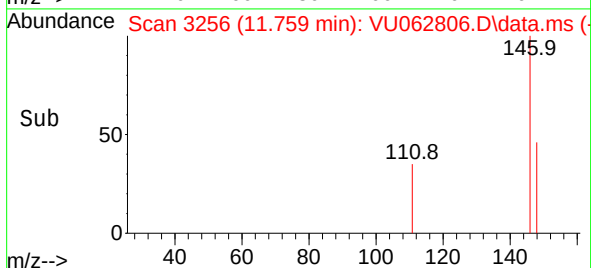
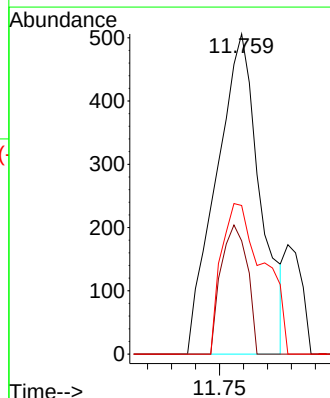
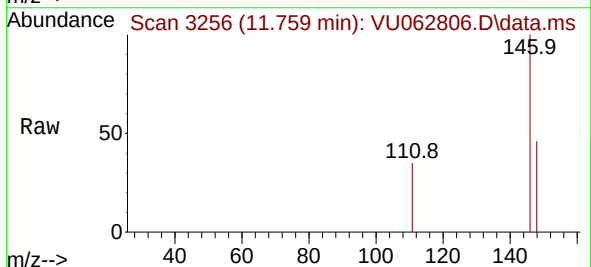
Tgt Ion:146 Resp: 643

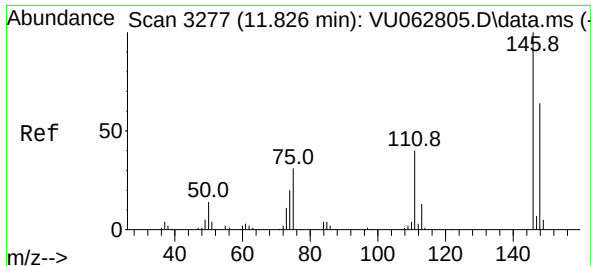
Ion Ratio Lower Upper

146 100

111 35.4 28.6 53.0

148 46.4 44.0 81.6





#65

1,4-Dichlorobenzene

Concen: 15.521 ug/L

RT: 11.843 min Scan# 31

Delta R.T. 0.016 min

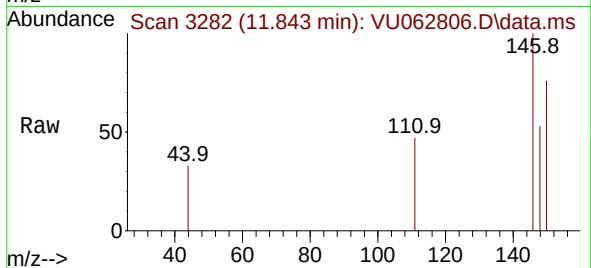
Lab File: VU062806.D

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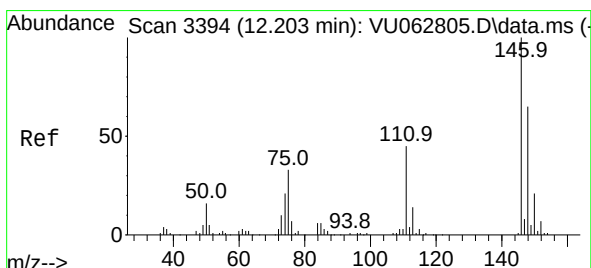
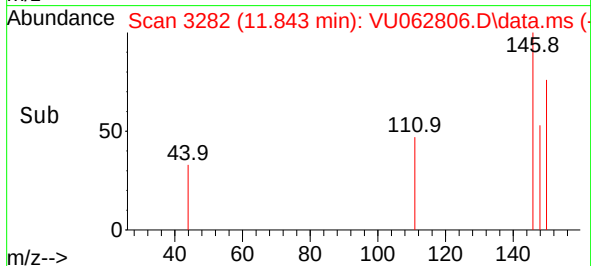
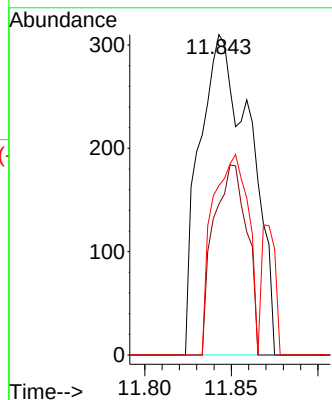
Tgt Ion:146 Resp: 635

Ion Ratio Lower Upper

146 100

111 47.1 29.5 54.9

148 52.9 45.1 83.9



#67

1,2-Dichlorobenzene

Concen: 17.409 ug/L

RT: 12.219 min Scan# 3399

Delta R.T. 0.016 min

Lab File: VU062806.D

Acq: 16 Jan 2025 09:31

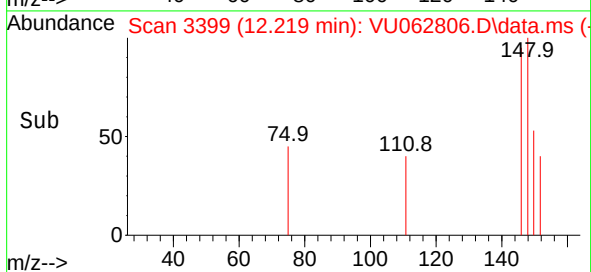
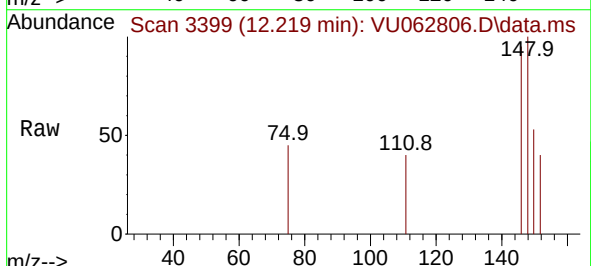
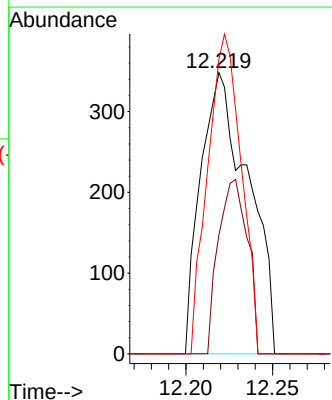
Tgt Ion:146 Resp: 662

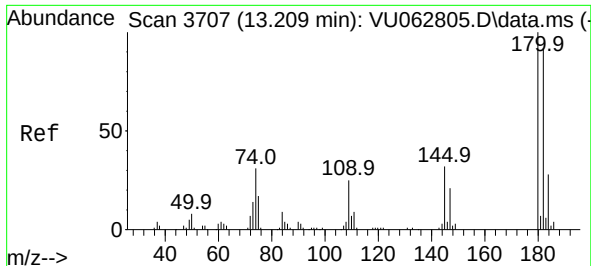
Ion Ratio Lower Upper

146 100

111 42.2 36.3 54.5

148 104.9 52.0 78.0#





#69

1,3,5-Trichlorobenzene

Concen: 28.177 ug/L

RT: 13.232 min Scan# 3714

Delta R.T. 0.023 min

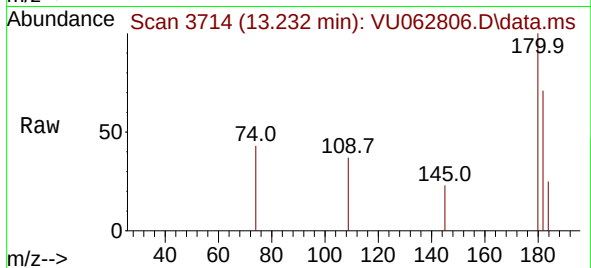
Lab File: VU062806.D

Acq: 16 Jan 2025 09:31

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 861

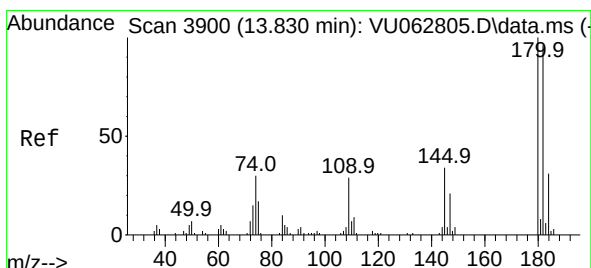
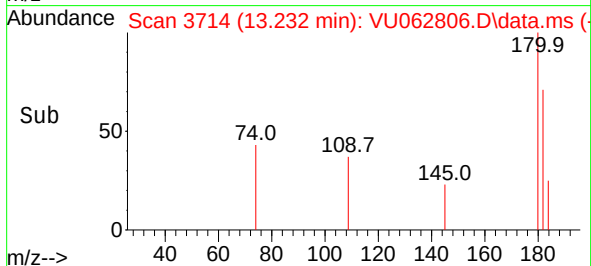
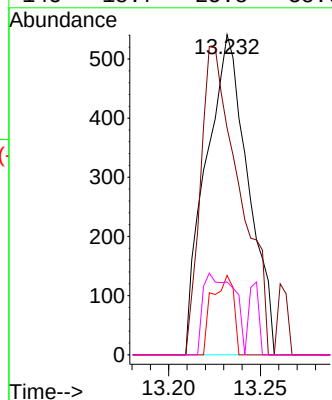
Ion Ratio Lower Upper

180 100

182 89.2 75.8 113.8

184 12.7 24.7 37.1#

145 18.7 25.8 38.6#



#70

1,2,4-trichlorobenzene

Concen: 61.070 ug/L

RT: 13.852 min Scan# 3907

Delta R.T. 0.023 min

Lab File: VU062806.D

Acq: 16 Jan 2025 09:31

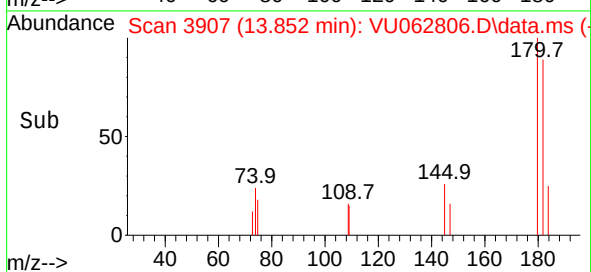
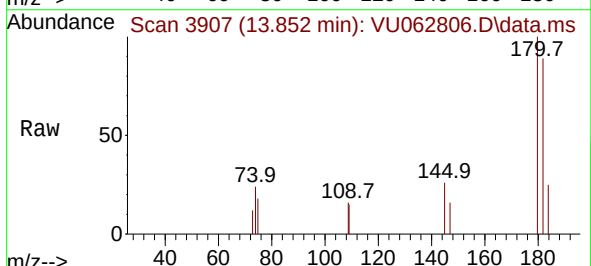
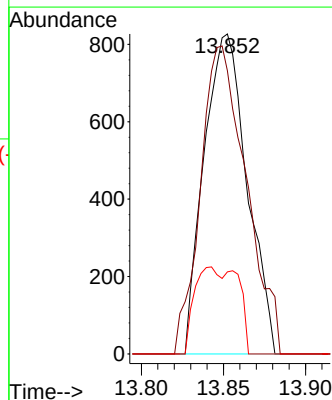
Tgt Ion:180 Resp: 1503

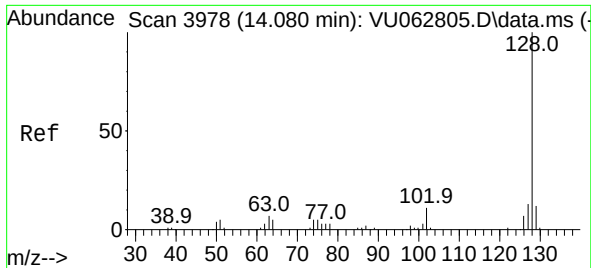
Ion Ratio Lower Upper

180 100

182 102.4 77.1 115.7

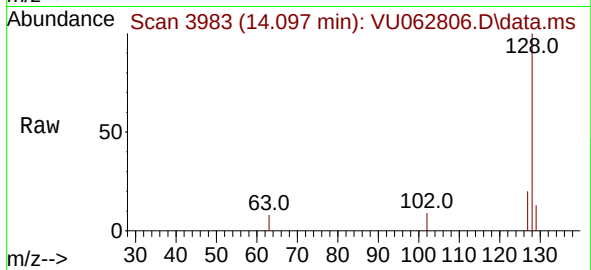
145 17.3 26.9 40.3#



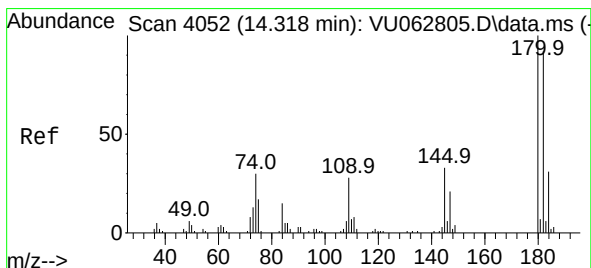
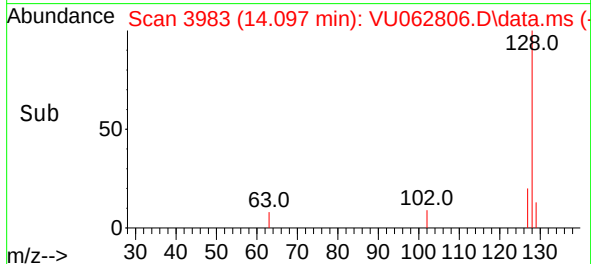
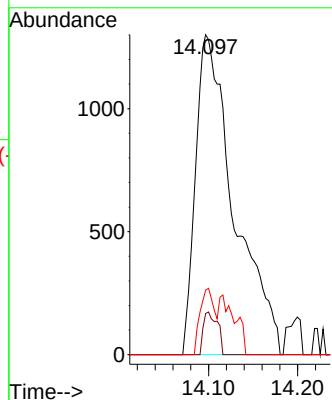


#71
Naphthalene
Concen: 108.718 ug/L
RT: 14.097 min Scan# 3978
Delta R.T. 0.016 min
Lab File: VU062806.D
Acq: 16 Jan 2025 09:31

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 3915
Ion Ratio Lower Upper
128 100
129 4.8 8.5 12.7#
127 7.8 10.2 15.2#



#72
1,2,3-Trichlorobenzene
Concen: 77.749 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.010 min
Lab File: VU062806.D
Acq: 16 Jan 2025 09:31

Tgt Ion:180 Resp: 1668
Ion Ratio Lower Upper
180 100
182 106.0 79.8 119.6
145 42.7 29.2 43.8

