

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
 Data File : VU062996.D
 Acq On : 24 Jan 2025 16:27
 Operator : MD/SY
 Sample : Q1174-08
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 24 19:07:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 24 19:02:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.357	114	120271	5.000	ug/L	0.12
28) Chlorobenzene-d5	9.434	117	108328	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.810	152	54415	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.724	65	29164	4.378	ug/L	0.13
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	2.046	69	17723	3.308	ug/L	0.14
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.200%
11) 1,1-Dichloroethene-d2	2.708	65	11223	3.252	ug/L	0.15
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.000%
20) 2-Butanone-d5	4.833	46	29278	21.506	ug/L	0.22
Spiked Amount	50.000	Range	40 - 130	Recovery	=	43.020%
24) Chloroform-d	5.168	84	53829	3.285	ug/L	0.12
Spiked Amount	5.000	Range	70 - 125	Recovery	=	65.600%#
26) 1,2-Dichloroethane-d4	5.849	65	36452	4.101	ug/L	0.16
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
32) Benzene-d6	5.865	84	124082	4.686	ug/L	0.15
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.782	67	40002	5.448	ug/L	0.10
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.000%
41) Toluene-d8	7.946	98	109798	4.256	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.200%
43) trans-1,3-Dichloroprop...	8.222	79	15140	4.137	ug/L	0.05
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.669	63	47766	41.499	ug/L	0.05
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.000%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	28484	4.632	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	37352	4.126	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.644	50	1292	0.168	ug/L	98
5) Vinyl chloride	1.856	62	3771	0.436	ug/L	95
8) Chloroethane	1.849	64	1419	0.273	ug/L #	44
14) Carbon disulfide	2.936	76	13808	0.579	ug/L	99
15) Methyl Acetate	2.911	43	63735	27.294	ug/L #	44
16) Methylene chloride	3.200	84	1781	0.218	ug/L	92
19) 1,1-Dichloroethane	4.029	63	3617	0.253	ug/L	89
21) 2-Butanone	4.917	43	17575	12.236	ug/L	79
34) Trichloroethene	6.357	95	4058	0.382	ug/L #	5
35) Methylcyclohexane	6.782	83	9797	0.749	ug/L #	21
37) 1,2-Dichloropropane	6.782	63	4655	0.634	ug/L #	85
40) 4-Methyl-2-pentanone	7.852	43	30821	8.987	ug/L #	95
42) Toluene	8.016	91	21575	0.633	ug/L	93
52) Ethylbenzene	9.589	91	6681	0.173	ug/L	98
53) m,p-Xylene	9.704	106	9244	0.639	ug/L	98
54) o-Xylene	10.110	106	8784	0.634	ug/L	88
60) Isopropylbenzene	11.000	105	6422	0.171	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	10863	0.341	ug/L	97
63) 1,2,4-Trimethylbenzene	11.466	105	22177	0.719	ug/L	92

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 24 19:02:27 2025
Response via : Initial Calibration

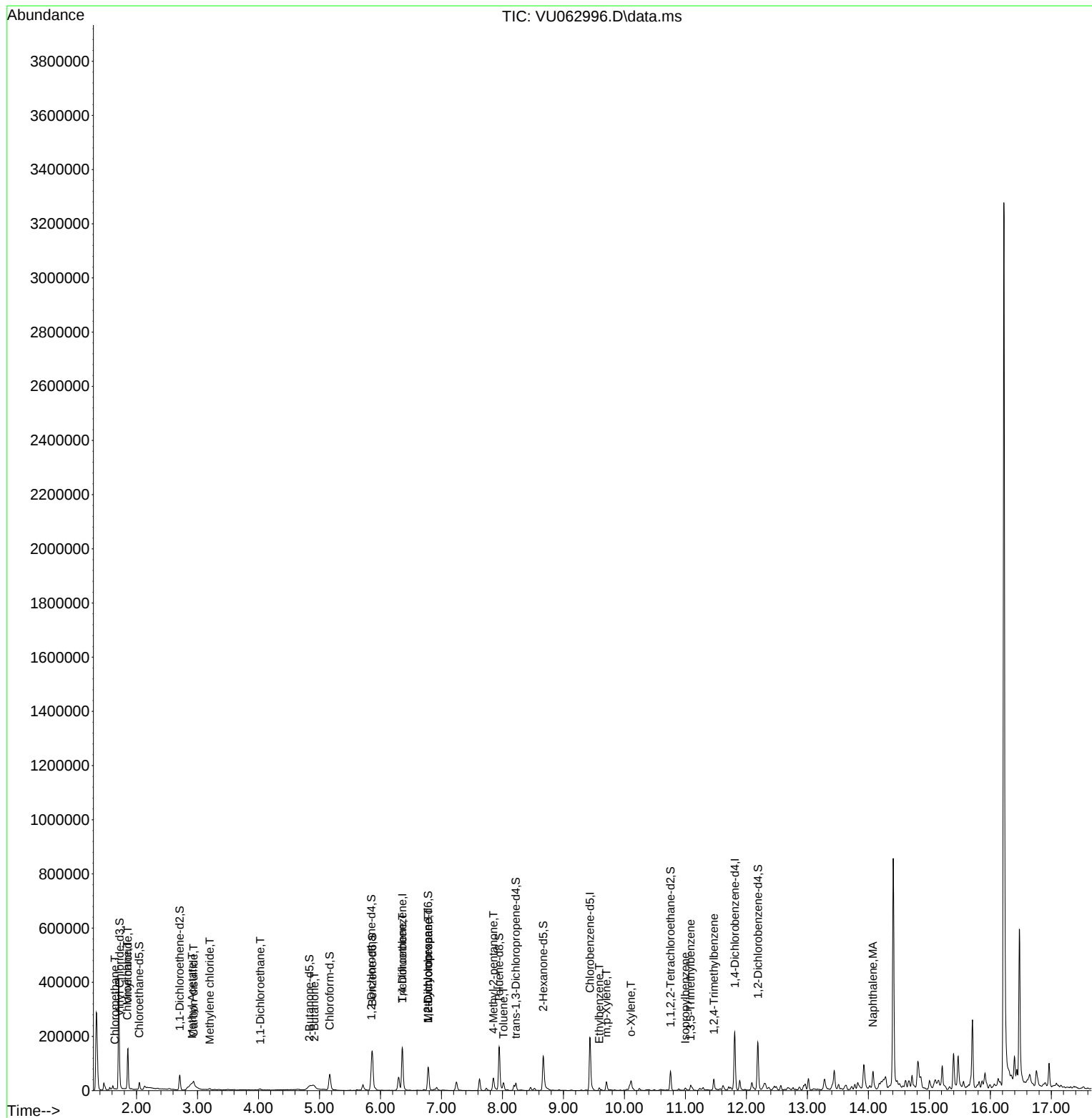
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.077	128	50421	3.268	ug/L	99

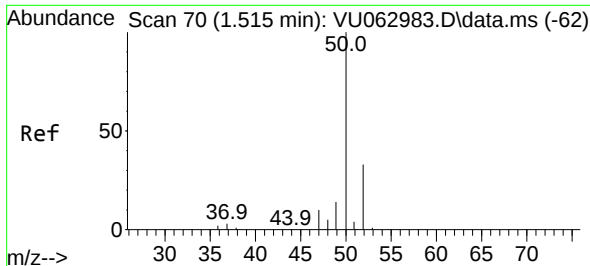
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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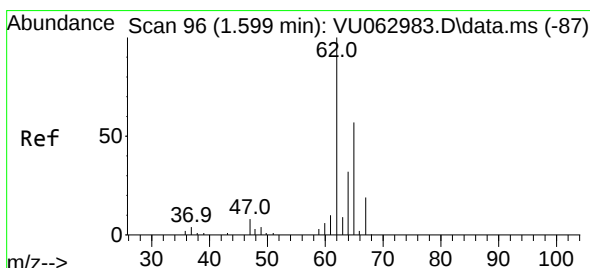
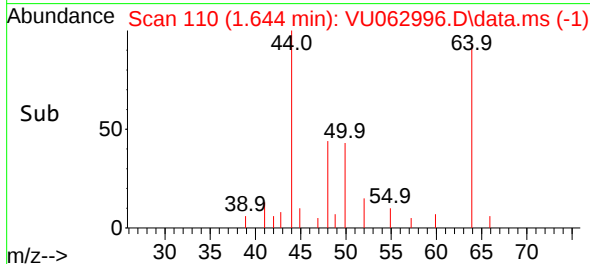
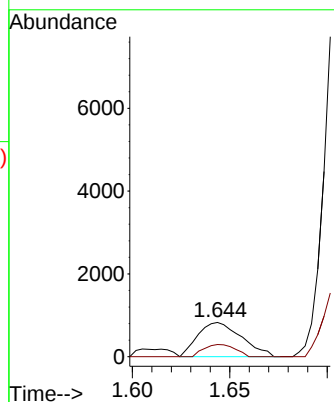
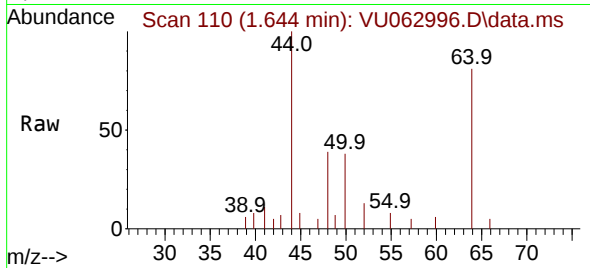




#3
Chloromethane
Concen: 0.168 ug/L
RT: 1.644 min Scan# 110
Delta R.T. 0.129 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

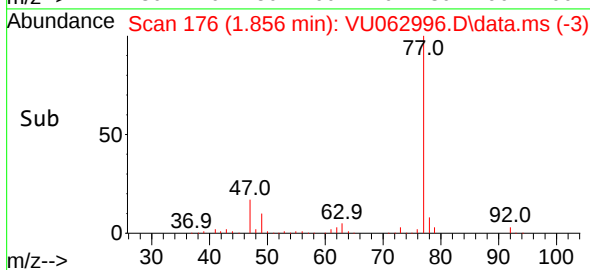
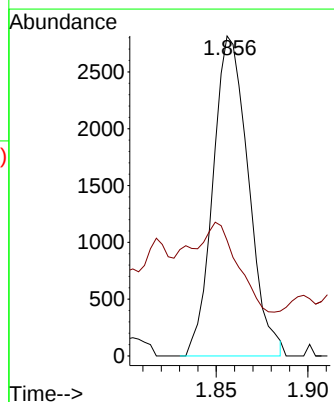
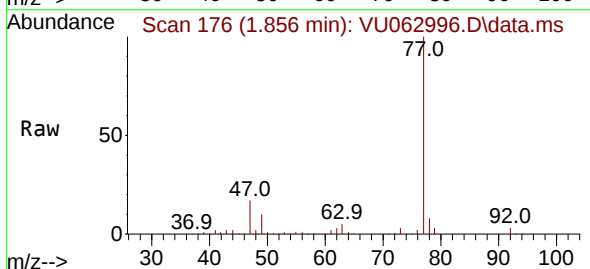
Instrument :
MSVOA_U
ClientSampleId :

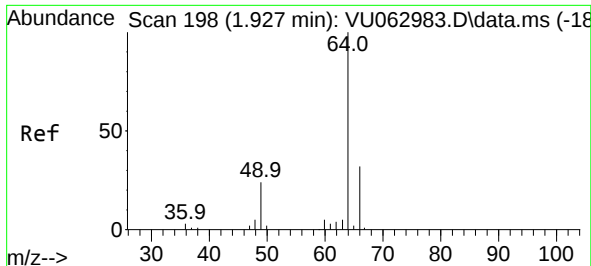
Tgt Ion: 50 Resp: 1292
Ion Ratio Lower Upper
50 100
52 35.3 24.1 44.7



#5
Vinyl chloride
Concen: 0.436 ug/L
RT: 1.856 min Scan# 176
Delta R.T. 0.257 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

Tgt Ion: 62 Resp: 3771
Ion Ratio Lower Upper
62 100
64 36.1 23.4 43.4

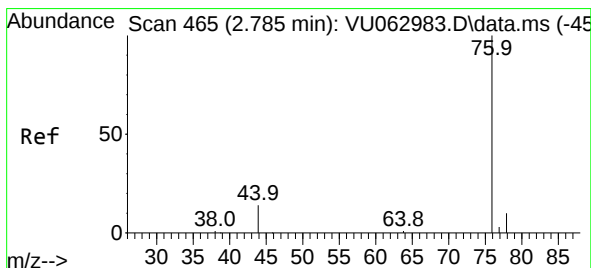
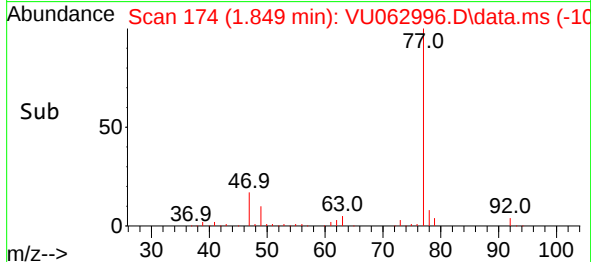
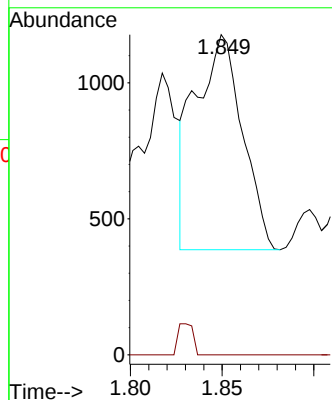
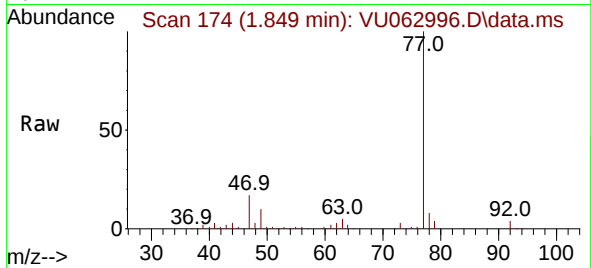




#8
Chloroethane
Concen: 0.273 ug/L
RT: 1.849 min Scan# 11
Delta R.T. -0.077 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

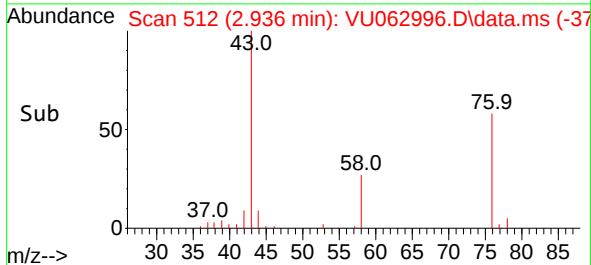
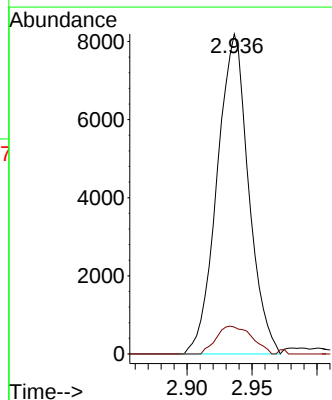
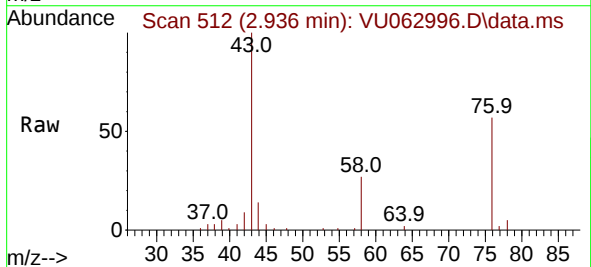
Instrument :
MSVOA_U
ClientSampleId :

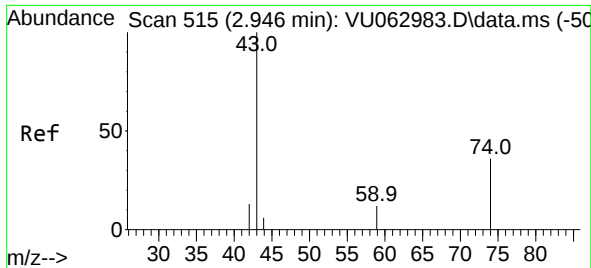
Tgt Ion: 64 Resp: 1419
Ion Ratio Lower Upper
64 100
66 0.0 21.6 40.2#



#14
Carbon disulfide
Concen: 0.579 ug/L
RT: 2.936 min Scan# 512
Delta R.T. 0.151 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

Tgt Ion: 76 Resp: 13808
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6

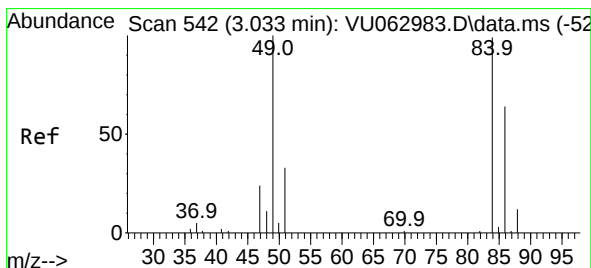
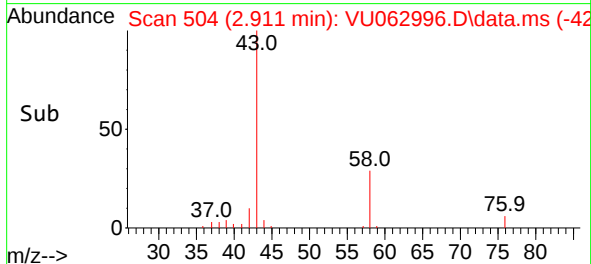
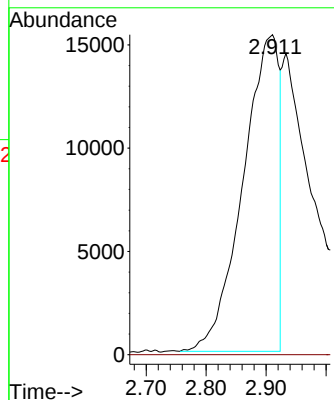
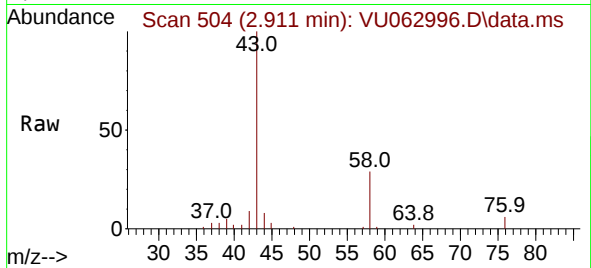




#15
Methyl Acetate
Concen: 27.294 ug/L
RT: 2.911 min Scan# 504
Delta R.T. -0.035 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

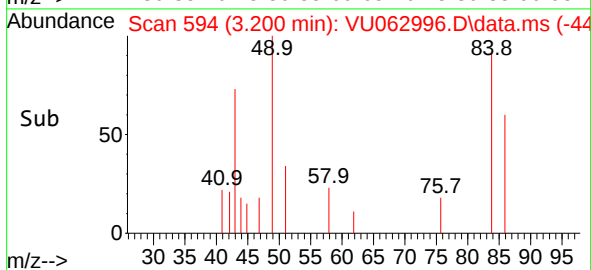
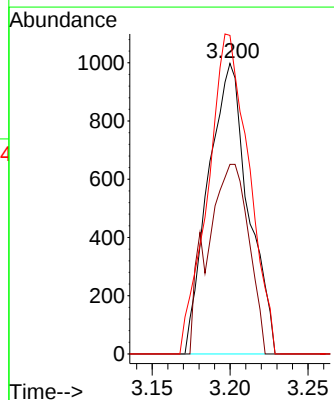
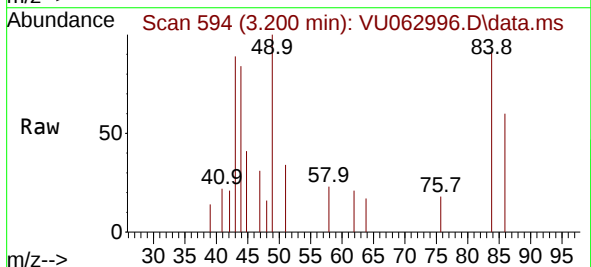
Instrument :
MSVOA_U
ClientSampleId :

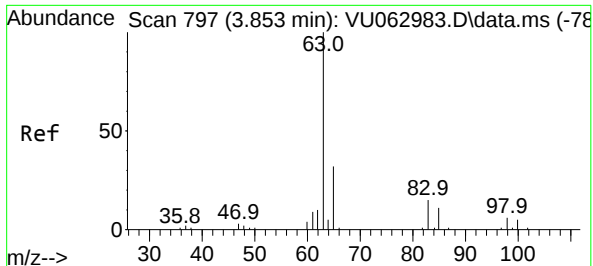
Tgt Ion: 43 Resp: 63735
Ion Ratio Lower Upper
43 100
74 0.0 24.4 36.6#



#16
Methylene chloride
Concen: 0.218 ug/L
RT: 3.200 min Scan# 594
Delta R.T. 0.167 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

Tgt Ion: 84 Resp: 1781
Ion Ratio Lower Upper
84 100
86 65.2 44.7 83.1
49 109.6 68.3 126.9





#19

1,1-Dichloroethane

Concen: 0.253 ug/L

RT: 4.029 min Scan# 8

Delta R.T. 0.177 min

Lab File: VU062996.D

Acq: 24 Jan 2025 16:27

Instrument :

MSVOA_U

ClientSampleId :

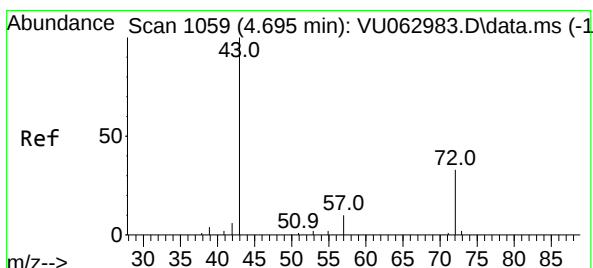
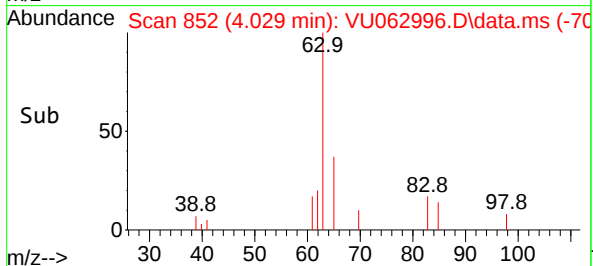
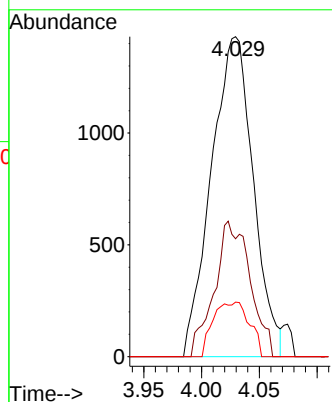
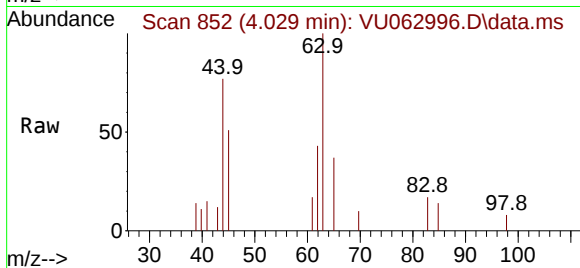
Tgt Ion: 63 Resp: 3617

Ion Ratio Lower Upper

63 100

65 36.8 20.7 38.5

83 17.1 10.5 19.5



#21

2-Butanone

Concen: 12.236 ug/L

RT: 4.917 min Scan# 1128

Delta R.T. 0.222 min

Lab File: VU062996.D

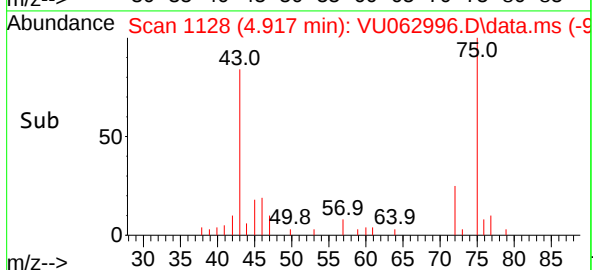
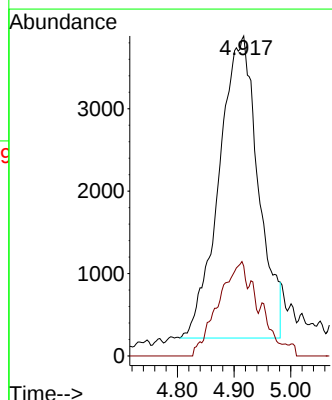
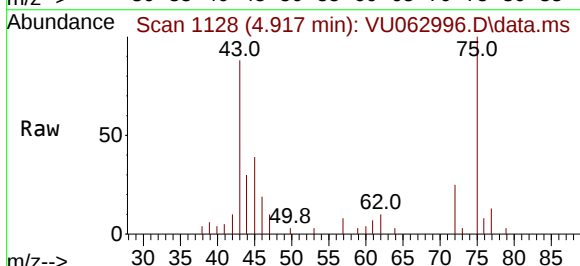
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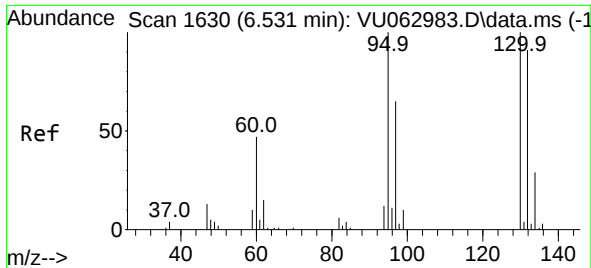
Tgt Ion: 43 Resp: 17575

Ion Ratio Lower Upper

43 100

72 21.9 17.1 51.2

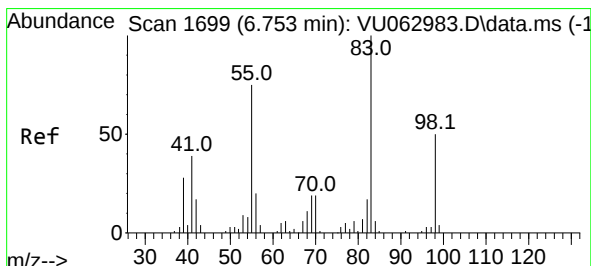
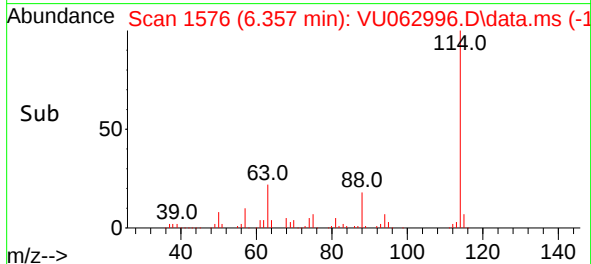
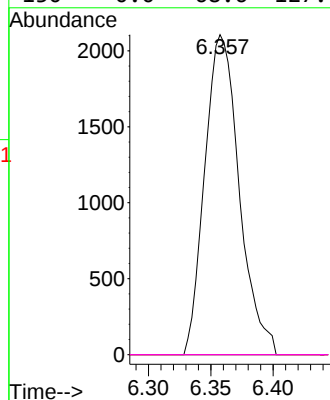
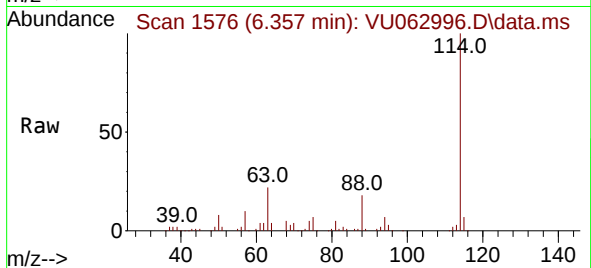




#34
Trichloroethene
Concen: 0.382 ug/L
RT: 6.357 min Scan# 1708
Delta R.T. -0.174 min
Lab File: VU062996.D
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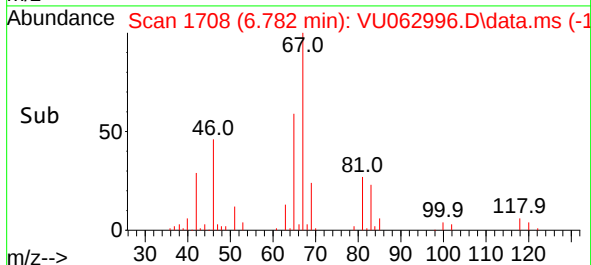
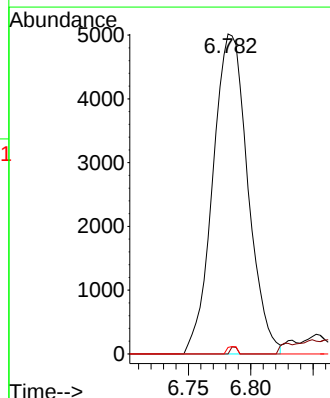
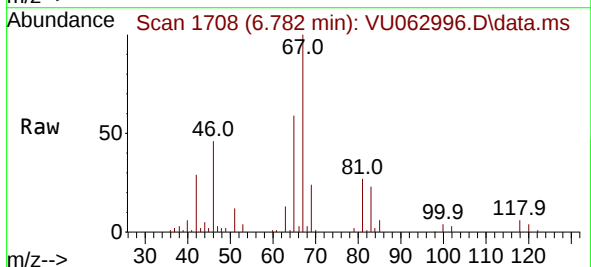
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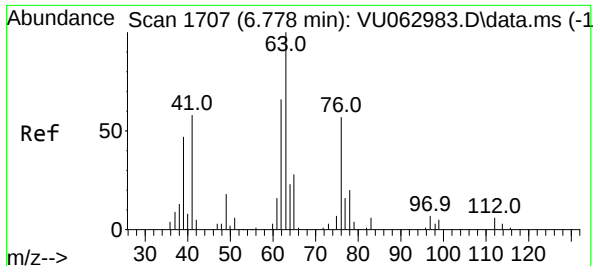
Tgt Ion: 95 Resp: 4058
Ion Ratio Lower Upper
95 100
97 0.0 47.5 88.3#
132 0.0 66.9 124.3#
130 0.0 68.6 127.4#



#35
Methylcyclohexane
Concen: 0.749 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. 0.029 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

Tgt Ion: 83 Resp: 9797
Ion Ratio Lower Upper
83 100
55 0.4 57.2 85.8#
98 0.7 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.634 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU062996.D

Acq: 24 Jan 2025 16:27

Instrument :

MSVOA_U

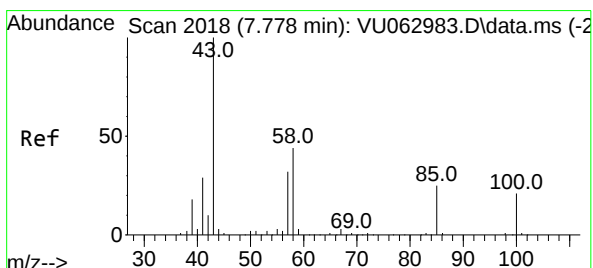
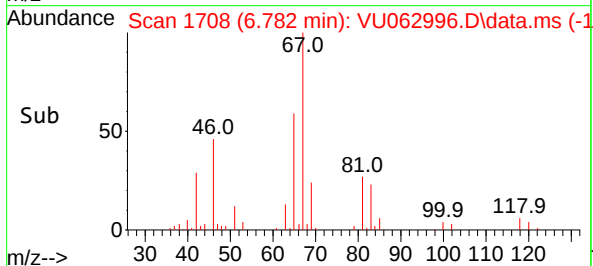
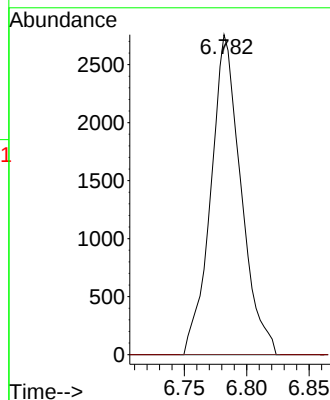
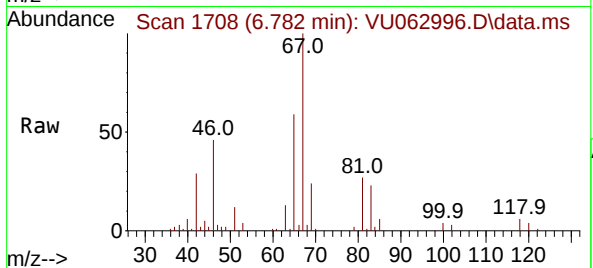
ClientSampleId :

Tgt Ion: 63 Resp: 4655

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#40

4-Methyl-2-pentanone

Concen: 8.987 ug/L

RT: 7.852 min Scan# 2041

Delta R.T. 0.074 min

Lab File: VU062996.D

Acq: 24 Jan 2025 16:27

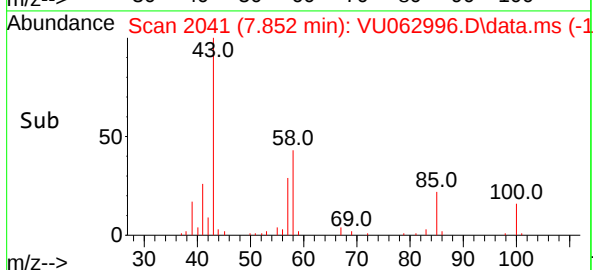
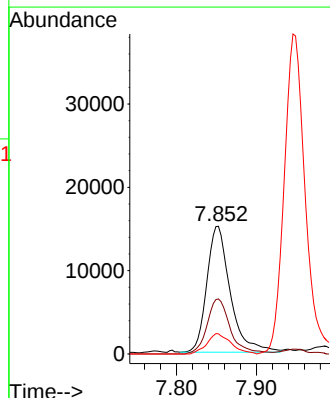
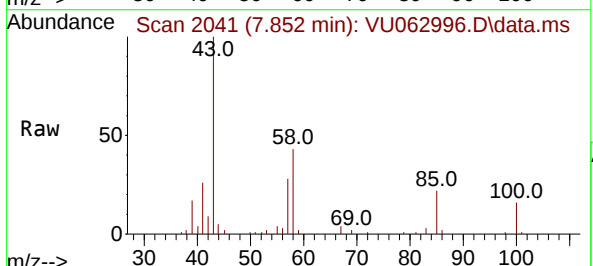
Tgt Ion: 43 Resp: 30821

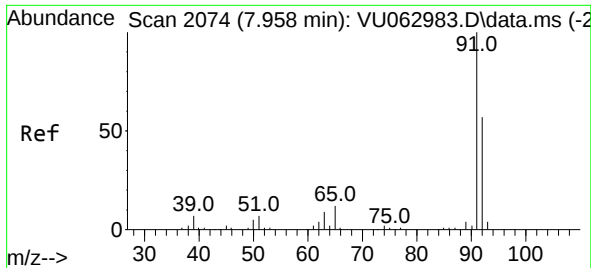
Ion Ratio Lower Upper

43 100

58 43.4 35.8 53.8

100 16.5 16.8 25.2#





#42

Toluene

Concen: 0.633 ug/L

RT: 8.016 min Scan# 2074

Delta R.T. 0.058 min

Lab File: VU062996.D

Acq: 24 Jan 2025 16:27

Instrument :

MSVOA_U

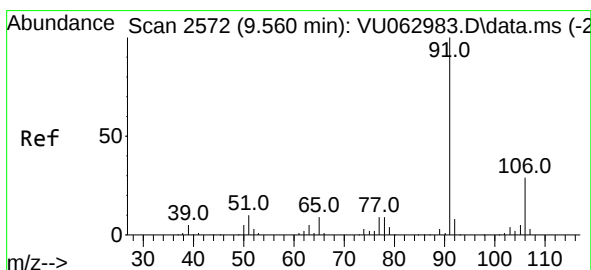
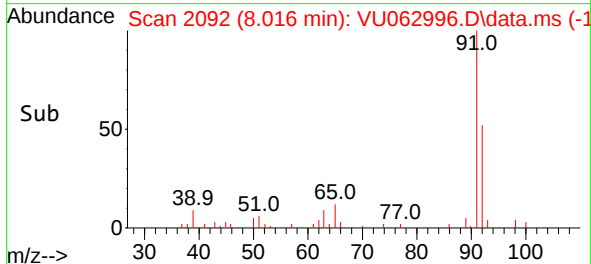
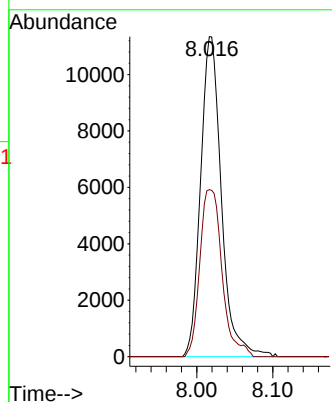
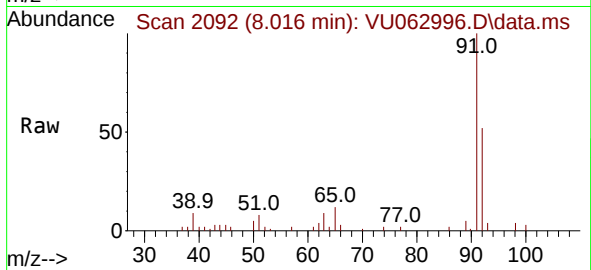
ClientSampleId :

Tgt Ion: 91 Resp: 21575

Ion Ratio Lower Upper

91 100

92 52.2 40.4 75.0



#52

Ethylbenzene

Concen: 0.173 ug/L

RT: 9.589 min Scan# 2581

Delta R.T. 0.029 min

Lab File: VU062996.D

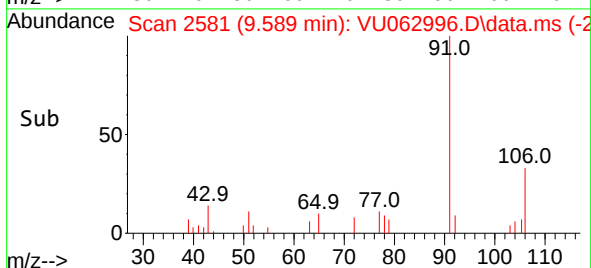
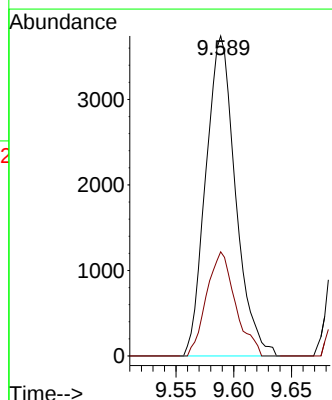
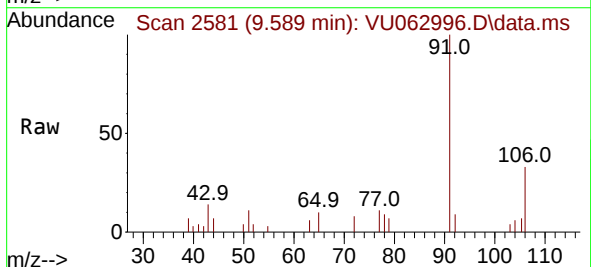
Acq: 24 Jan 2025 16:27

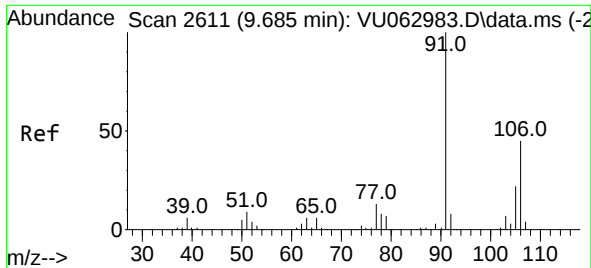
Tgt Ion: 91 Resp: 6681

Ion Ratio Lower Upper

91 100

106 32.6 21.9 40.7

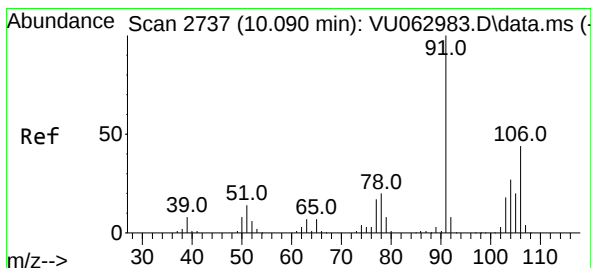
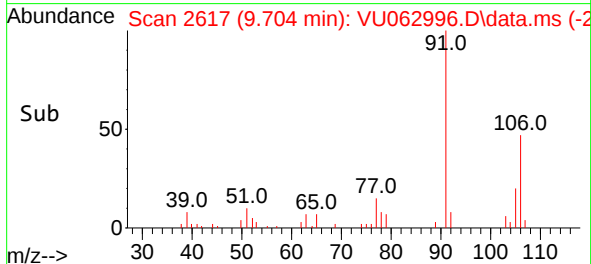
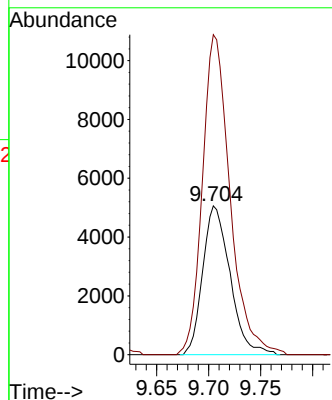
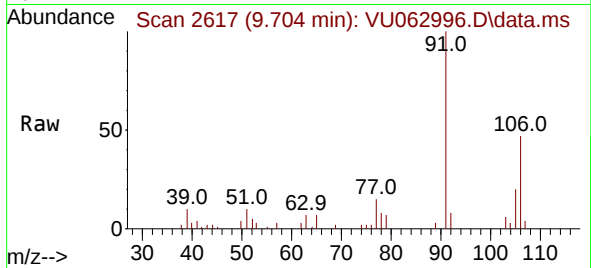




#53
m,p-Xylene
Concen: 0.639 ug/L
RT: 9.704 min Scan# 2611
Delta R.T. 0.019 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

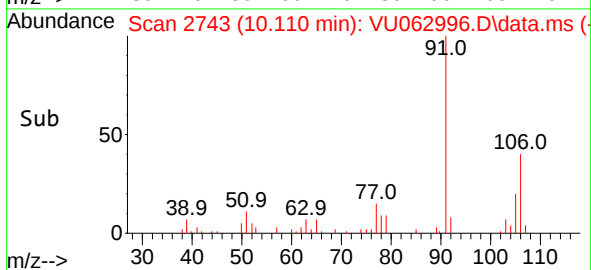
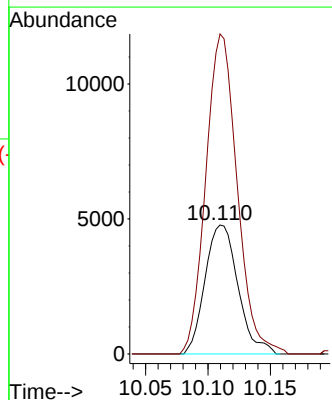
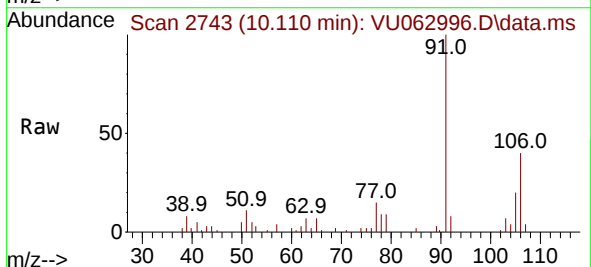
Instrument :
MSVOA_U
ClientSampleId :

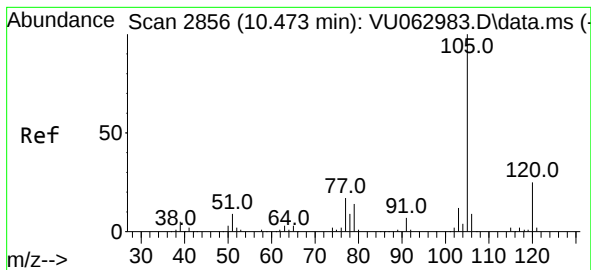
Tgt Ion:106 Resp: 9244
Ion Ratio Lower Upper
106 100
91 215.0 153.1 284.3



#54
o-Xylene
Concen: 0.634 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.019 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

Tgt Ion:106 Resp: 8784
Ion Ratio Lower Upper
106 100
91 248.1 160.4 297.8





#60

Isopropylbenzene

Concen: 0.171 ug/L

RT: 11.000 min Scan# 3020

Delta R.T. 0.527 min

Lab File: VU062996.D

Acq: 24 Jan 2025 16:27

Instrument :

MSVOA_U

ClientSampleId :

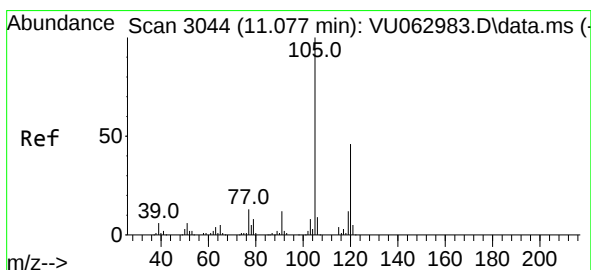
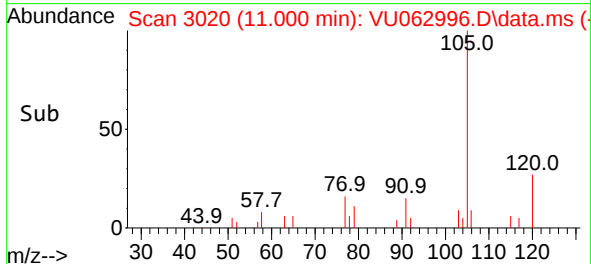
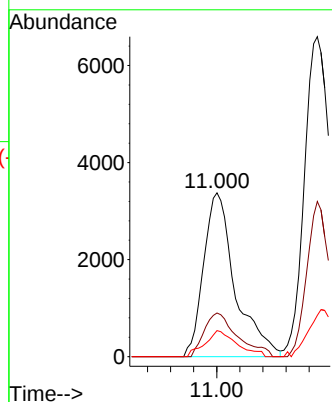
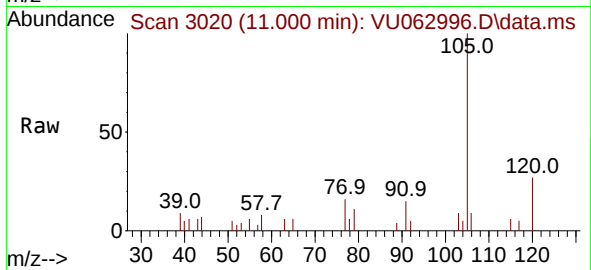
Tgt Ion:105 Resp: 6422

Ion Ratio Lower Upper

105 100

120 28.0 20.2 30.2

77 15.9 13.0 19.4



#62

1,3,5-Trimethylbenzene

Concen: 0.341 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.010 min

Lab File: VU062996.D

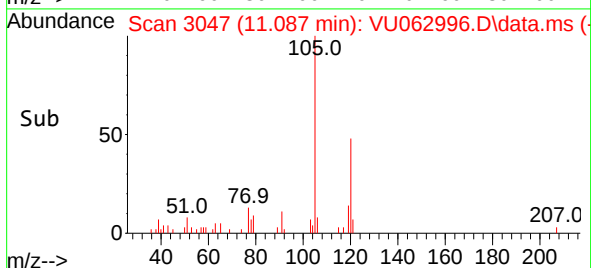
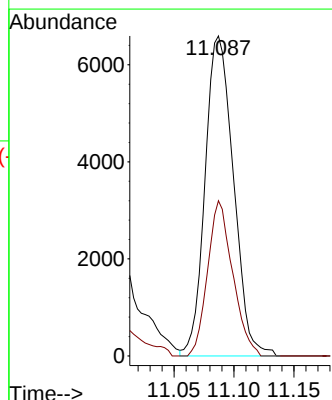
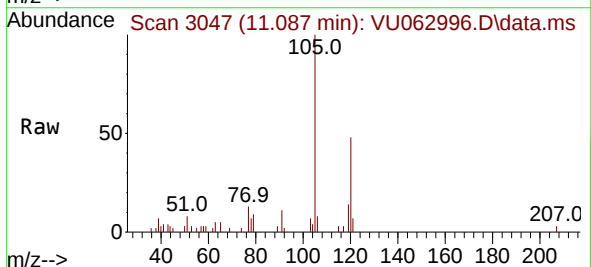
Acq: 24 Jan 2025 16:27

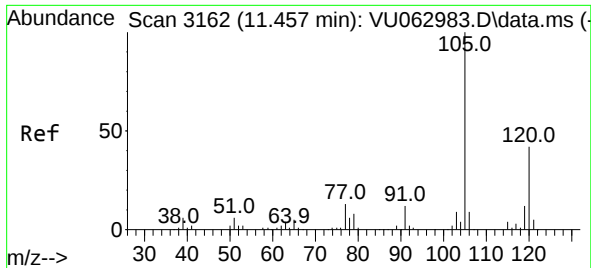
Tgt Ion:105 Resp: 10863

Ion Ratio Lower Upper

105 100

120 42.8 35.9 53.9

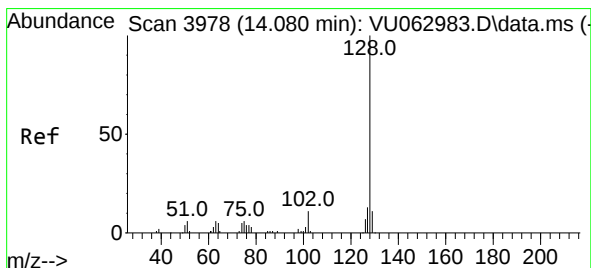
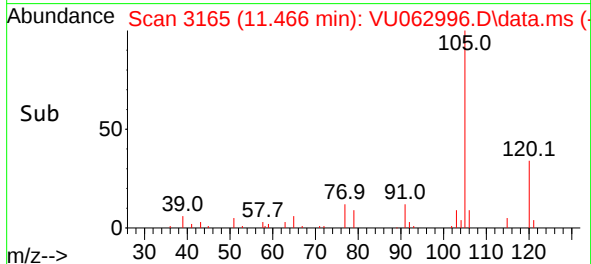
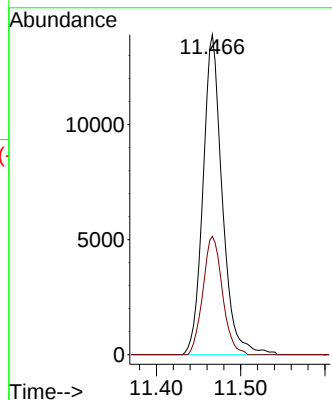
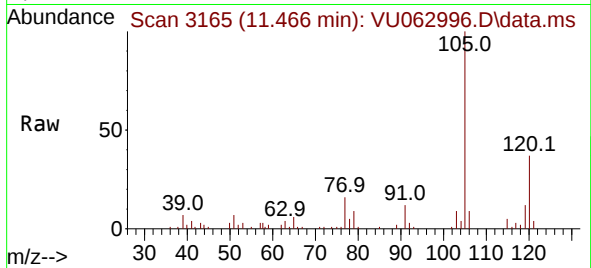




#63
1,2,4-Trimethylbenzene
Concen: 0.719 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.010 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 22177
Ion Ratio Lower Upper
105 100
120 37.3 34.2 51.2



#71
Naphthalene
Concen: 3.268 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.003 min
Lab File: VU062996.D
Acq: 24 Jan 2025 16:27

Tgt Ion:128 Resp: 50421
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.1 10.2 15.2

