

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
 Data File : VU062998.D
 Acq On : 24 Jan 2025 17:17
 Operator : MD/SY
 Sample : Q1174-10
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 24 19:08:13 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	6.335	114	98448	5.000	ug/L	0.10
28) Chlorobenzene-d5	9.428	117	91230	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.807	152	45942	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.676	65	28412	5.211	ug/L	0.08
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.200%
7) Chloroethane-d5	1.994	69	17953	4.093	ug/L	0.09
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.653	65	10001	3.541	ug/L	0.10
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.800%
20) 2-Butanone-d5	4.782	46	33176	29.771	ug/L	0.17
Spiked Amount	50.000	Range	40 - 130	Recovery	=	59.540%
24) Chloroform-d	5.113	84	44374	3.308	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.200%#
26) 1,2-Dichloroethane-d4	5.788	65	30509	4.193	ug/L	0.10
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
32) Benzene-d6	5.808	84	96500	4.327	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	6.762	67	29470	4.766	ug/L	0.08
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.933	98	92388	4.252	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.209	79	12624	4.096	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.659	63	40812	42.102	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.200%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	22864	4.415	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	33517	4.385	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
13) Acetone	2.849	43	27689	31.366	ug/L	92
14) Carbon disulfide	2.875	76	18537	0.950	ug/L	97
15) Methyl Acetate	2.849	43	27689	14.486	ug/L #	45
16) Methylene chloride	3.139	84	51019	7.621	ug/L	93
19) 1,1-Dichloroethane	3.962	63	87975	7.515	ug/L	96
21) 2-Butanone	4.853	43	26869	22.854	ug/L	94
33) Benzene	5.859	78	71241	2.718	ug/L	100
35) Methylcyclohexane	6.762	83	7667	0.696	ug/L #	21
37) 1,2-Dichloropropane	6.762	63	3629	0.587	ug/L #	85
40) 4-Methyl-2-pentanone	7.840	43	27915	9.665	ug/L	94
42) Toluene	8.004	91	203731	7.093	ug/L	100
52) Ethylbenzene	9.579	91	80510	2.470	ug/L	100
53) m,p-Xylene	9.701	106	50343	4.130	ug/L	95
54) o-Xylene	10.103	106	28652	2.454	ug/L	90
55) Styrene	10.119	104	59348	3.039	ug/L	95
60) Isopropylbenzene	10.997	105	12507	0.395	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	9394	0.349	ug/L	95
63) 1,2,4-Trimethylbenzene	11.463	105	25035	0.962	ug/L	95
71) Naphthalene	14.077	128	22809	1.751	ug/L	98

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

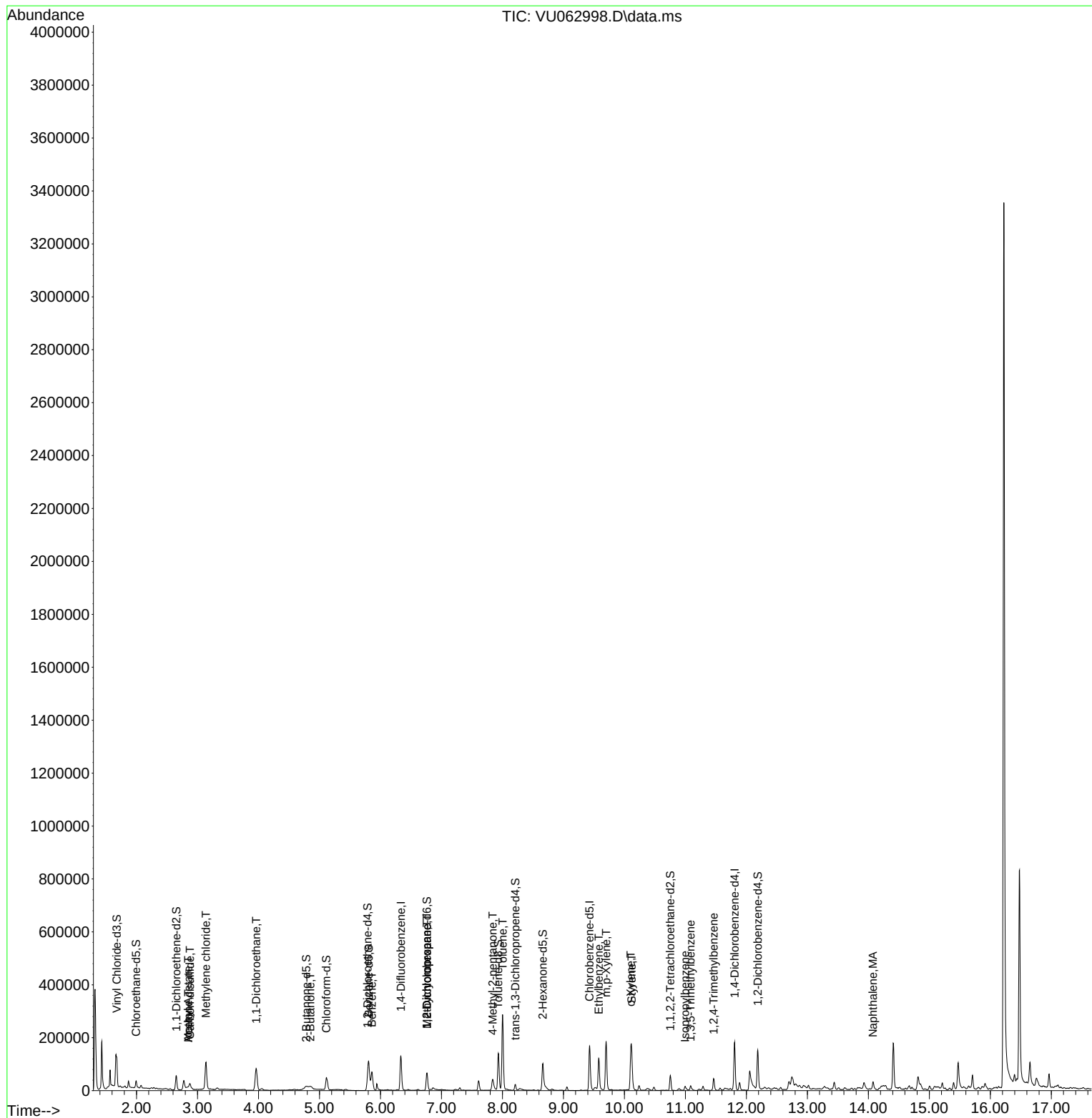
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

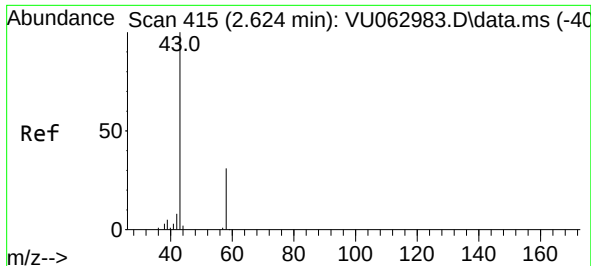
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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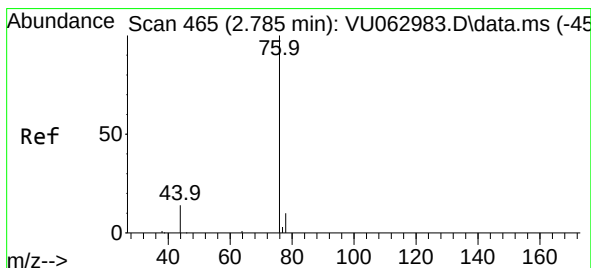
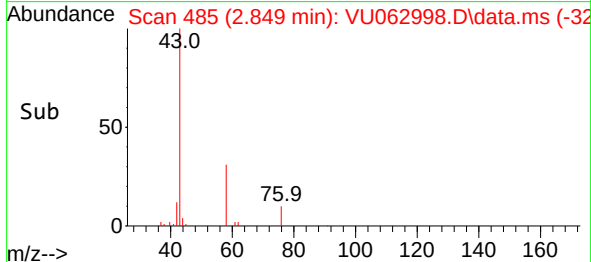
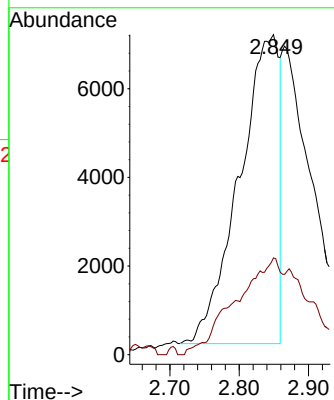
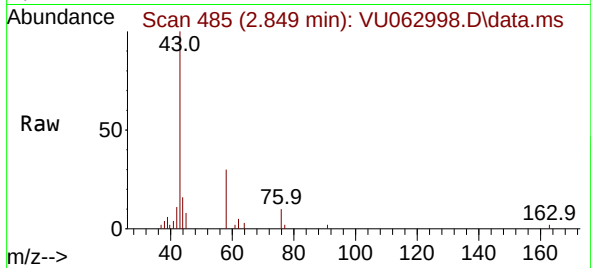




#13
Acetone
Concen: 31.366 ug/L
RT: 2.849 min Scan# 415
Delta R.T. 0.225 min
Lab File: VU062998.D
Acq: 24 Jan 2025 17:17

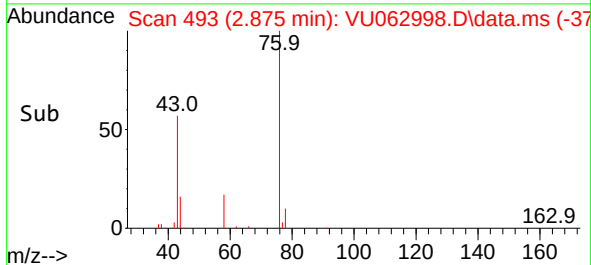
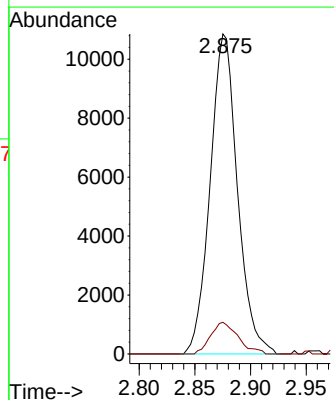
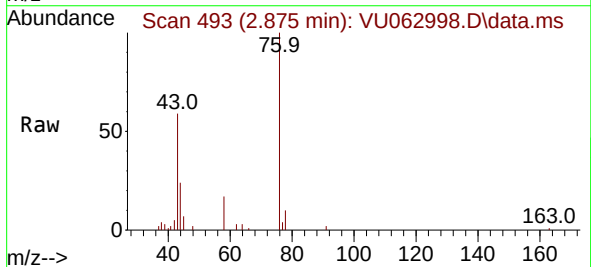
Instrument :
MSVOA_U
ClientSampleId :

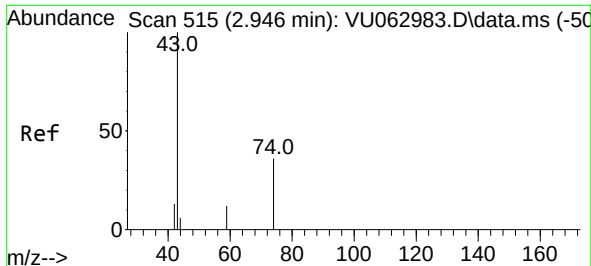
Tgt Ion: 43 Resp: 27689
Ion Ratio Lower Upper
43 100
58 36.5 0.0 64.4



#14
Carbon disulfide
Concen: 0.950 ug/L
RT: 2.875 min Scan# 493
Delta R.T. 0.090 min
Lab File: VU062998.D
Acq: 24 Jan 2025 17:17

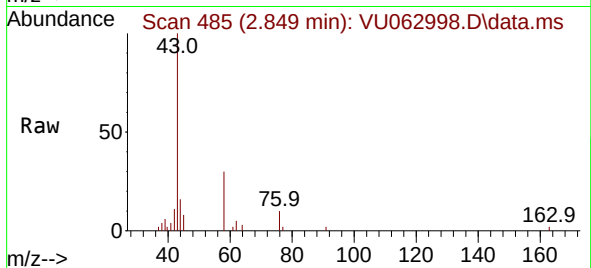
Tgt Ion: 76 Resp: 18537
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6



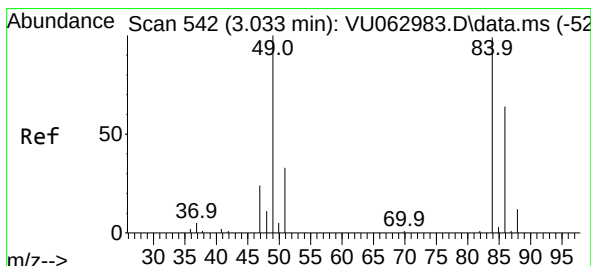
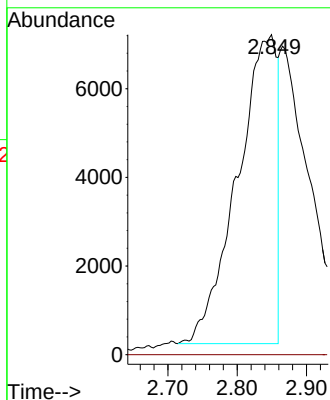
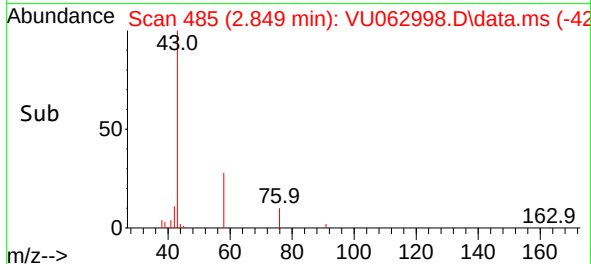


#15
Methyl Acetate
Concen: 14.486 ug/L
RT: 2.849 min Scan# 41
Delta R.T. -0.096 min
Lab File: VU062998.D
Acq: 24 Jan 2025 17:17

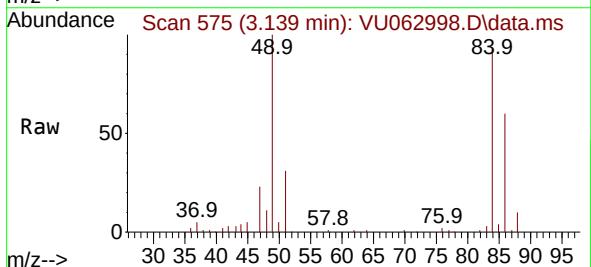
Instrument :
MSVOA_U
ClientSampleId :



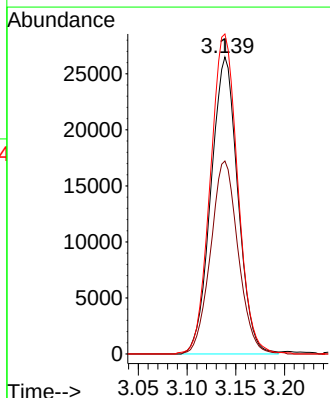
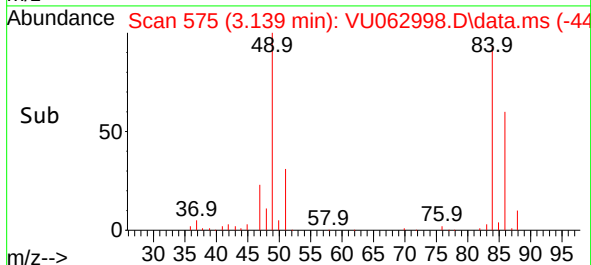
Tgt Ion: 43 Resp: 27689
Ion Ratio Lower Upper
43 100
74 0.5 24.4 36.6#

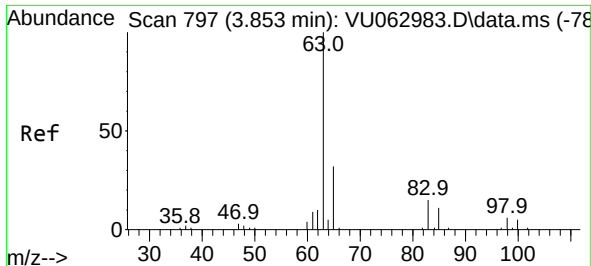


#16
Methylene chloride
Concen: 7.621 ug/L
RT: 3.139 min Scan# 575
Delta R.T. 0.106 min
Lab File: VU062998.D
Acq: 24 Jan 2025 17:17



Tgt Ion: 84 Resp: 51019
Ion Ratio Lower Upper
84 100
86 65.0 44.7 83.1
49 107.8 68.3 126.9





#19

1,1-Dichloroethane

Concen: 7.515 ug/L

RT: 3.962 min Scan# 81

Delta R.T. 0.109 min

Lab File: VU062998.D

Acq: 24 Jan 2025 17:17

Instrument :

MSVOA_U

ClientSampleId :

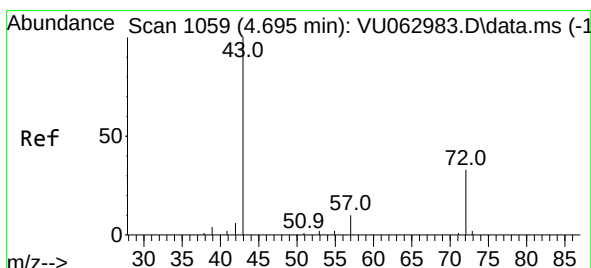
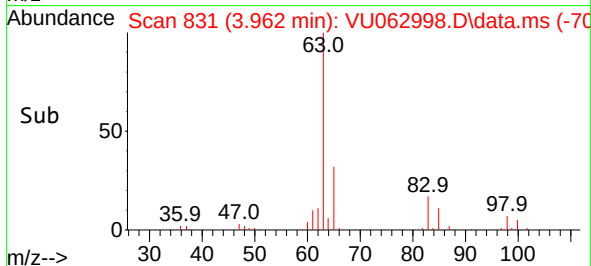
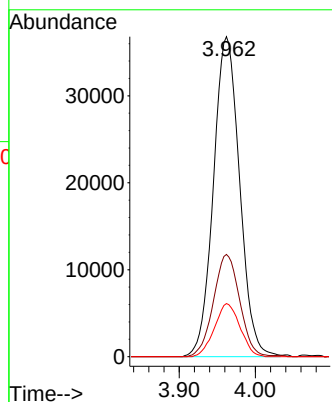
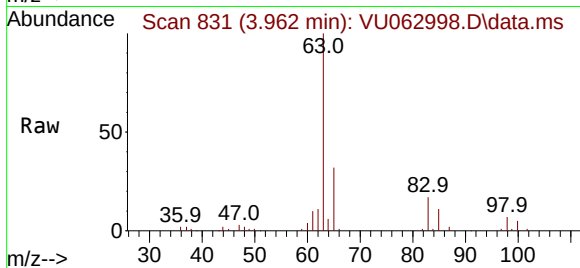
Tgt Ion: 63 Resp: 87975

Ion Ratio Lower Upper

63 100

65 31.9 20.7 38.5

83 16.6 10.5 19.5



#21

2-Butanone

Concen: 22.854 ug/L

RT: 4.853 min Scan# 1108

Delta R.T. 0.158 min

Lab File: VU062998.D

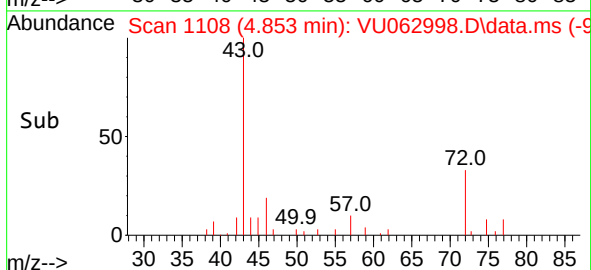
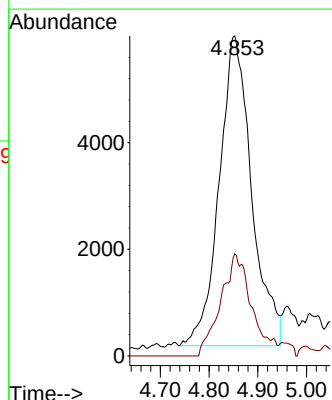
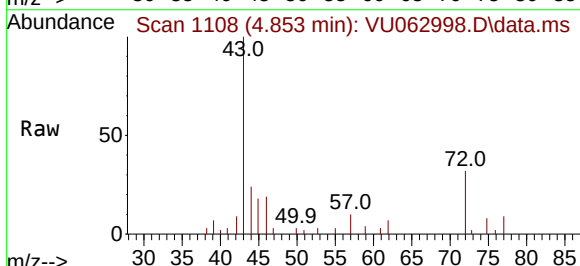
Acq: 24 Jan 2025 17:17

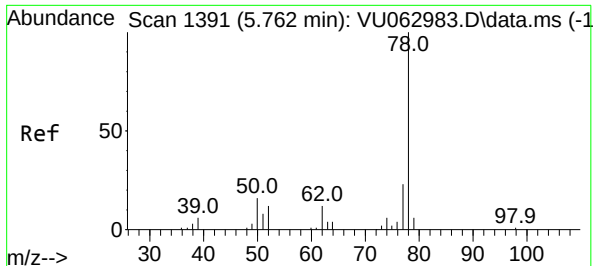
Tgt Ion: 43 Resp: 26869

Ion Ratio Lower Upper

43 100

72 30.5 17.1 51.2

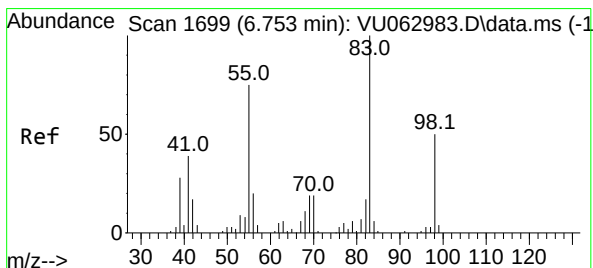
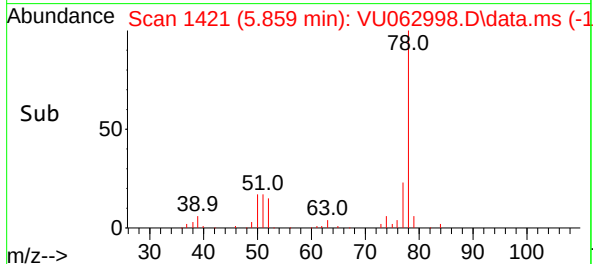
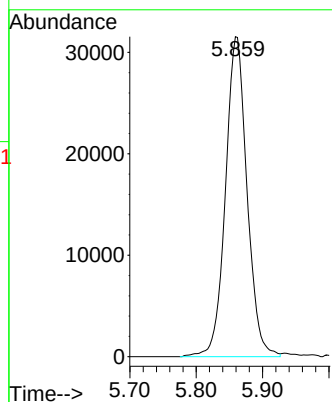
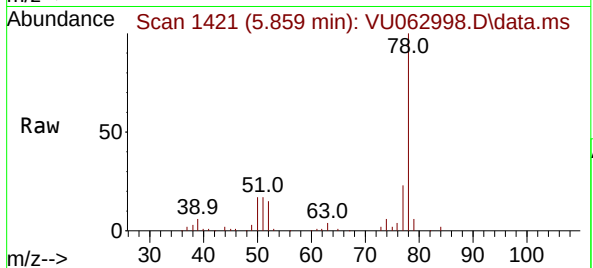




#33
Benzene
Concen: 2.718 ug/L
RT: 5.859 min Scan# 14
Delta R.T. 0.096 min
Lab File: VU062998.D
Acq: 24 Jan 2025 17:17

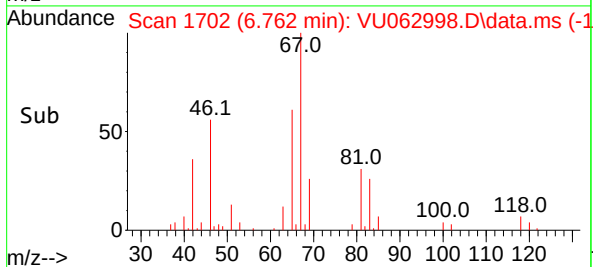
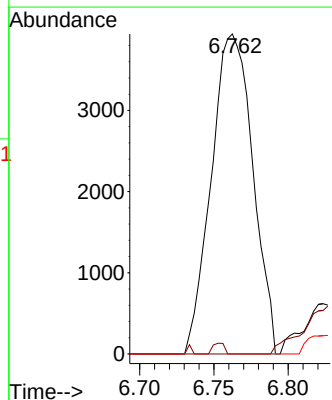
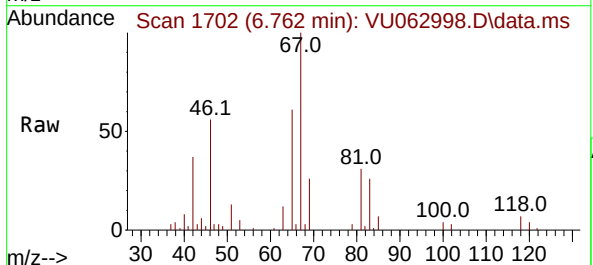
Instrument :
MSVOA_U
ClientSampleId :

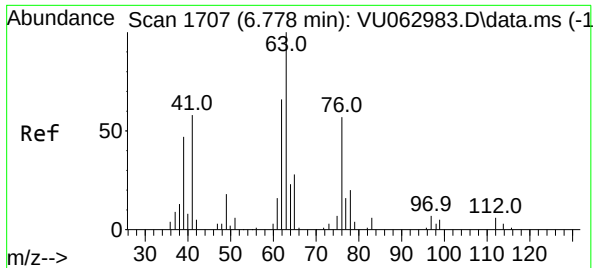
Tgt Ion: 78 Resp: 71241



#35
Methylcyclohexane
Concen: 0.696 ug/L
RT: 6.762 min Scan# 1702
Delta R.T. 0.010 min
Lab File: VU062998.D
Acq: 24 Jan 2025 17:17

Tgt Ion: 83 Resp: 7667
Ion Ratio Lower Upper
83 100
55 0.9 57.2 85.8#
98 0.0 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.587 ug/L

RT: 6.762 min Scan# 11

Delta R.T. -0.016 min

Lab File: VU062998.D

Acq: 24 Jan 2025 17:17

Instrument :

MSVOA_U

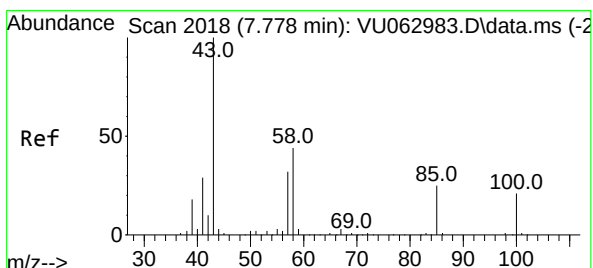
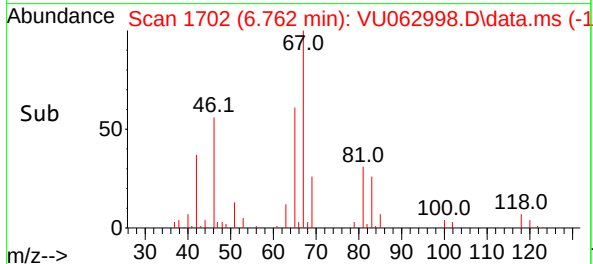
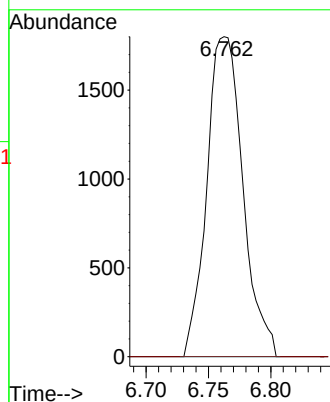
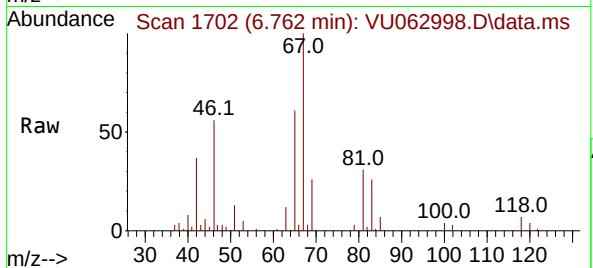
ClientSampleId :

Tgt Ion: 63 Resp: 3629

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#40

4-Methyl-2-pentanone

Concen: 9.665 ug/L

RT: 7.840 min Scan# 2037

Delta R.T. 0.061 min

Lab File: VU062998.D

Acq: 24 Jan 2025 17:17

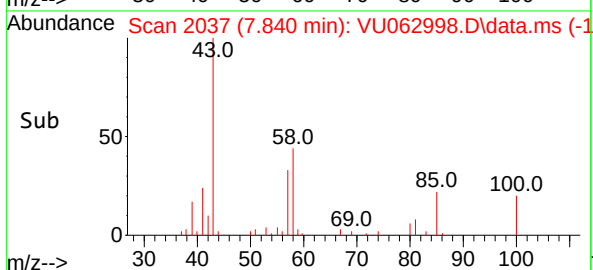
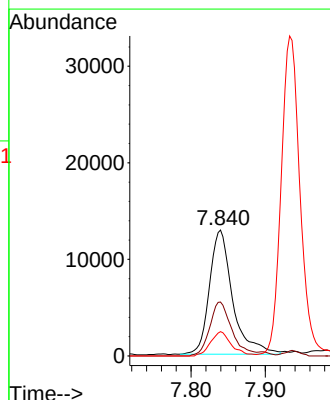
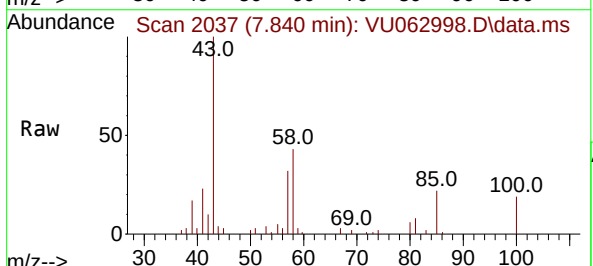
Tgt Ion: 43 Resp: 27915

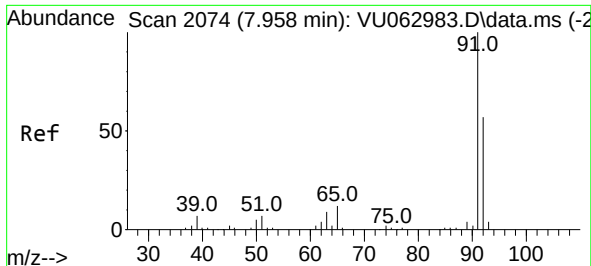
Ion Ratio Lower Upper

43 100

58 41.3 35.8 53.8

100 17.7 16.8 25.2





#42

Toluene

Concen: 7.093 ug/L

RT: 8.004 min Scan# 2074

Delta R.T. 0.045 min

Lab File: VU062998.D

Acq: 24 Jan 2025 17:17

Instrument :

MSVOA_U

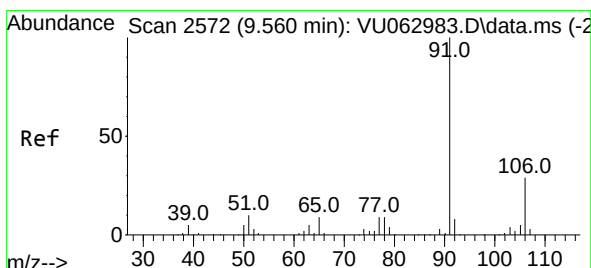
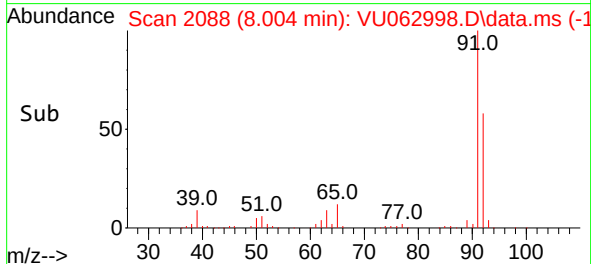
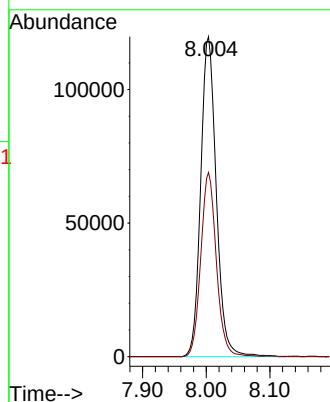
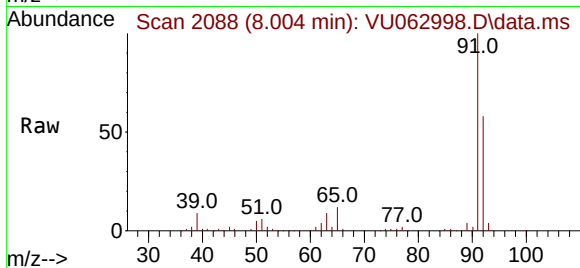
ClientSampleId :

Tgt Ion: 91 Resp: 203731

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#52

Ethylbenzene

Concen: 2.470 ug/L

RT: 9.579 min Scan# 2578

Delta R.T. 0.019 min

Lab File: VU062998.D

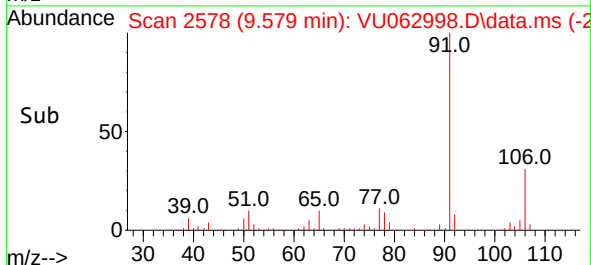
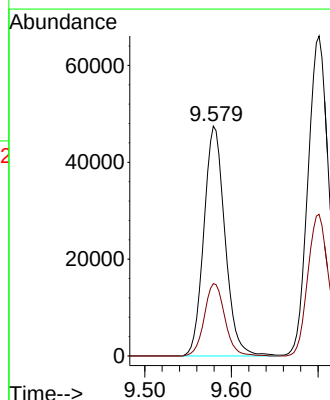
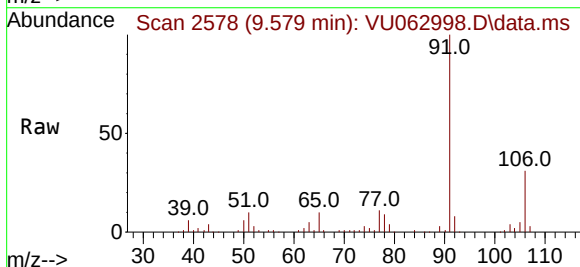
Acq: 24 Jan 2025 17:17

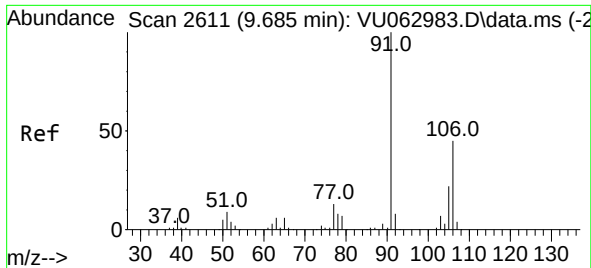
Tgt Ion: 91 Resp: 80510

Ion Ratio Lower Upper

91 100

106 31.4 21.9 40.7

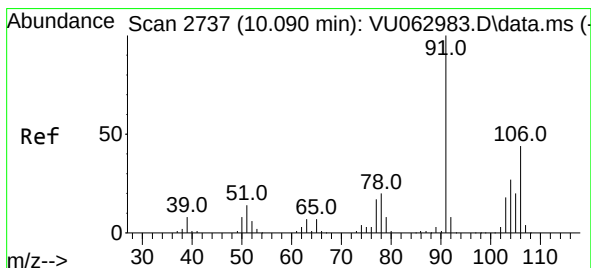
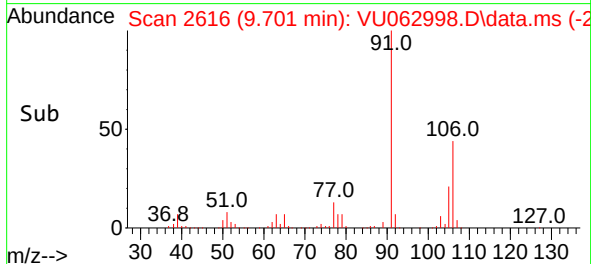
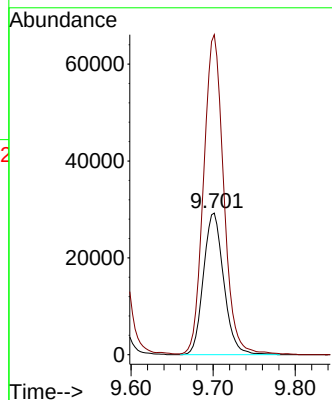
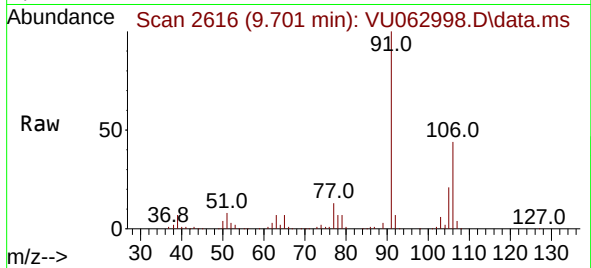




#53
m,p-Xylene
Concen: 4.130 ug/L
RT: 9.701 min Scan# 20
Delta R.T. 0.016 min
Lab File: VU062998.D
Acq: 24 Jan 2025 17:17

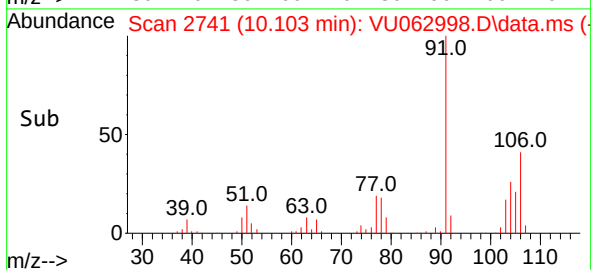
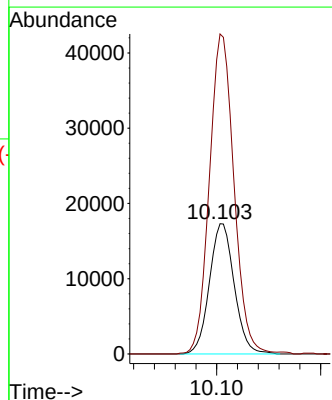
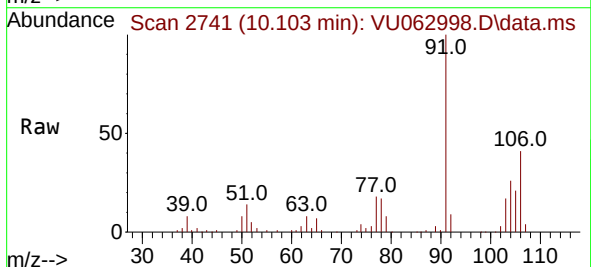
Instrument :
MSVOA_U
ClientSampleId :

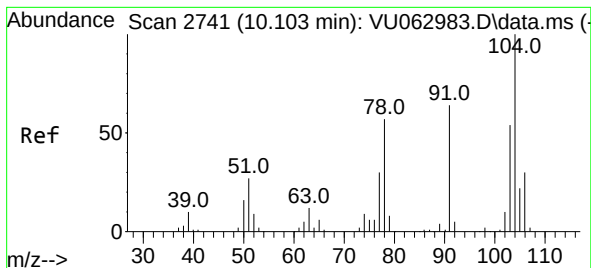
Tgt Ion:106 Resp: 50343
Ion Ratio Lower Upper
106 100
91 226.1 153.1 284.3



#54
o-Xylene
Concen: 2.454 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. 0.013 min
Lab File: VU062998.D
Acq: 24 Jan 2025 17:17

Tgt Ion:106 Resp: 28652
Ion Ratio Lower Upper
106 100
91 245.7 160.4 297.8





#55

Styrene

Concen: 3.039 ug/L

RT: 10.119 min Scan# 21

Delta R.T. 0.016 min

Lab File: VU062998.D

Acq: 24 Jan 2025 17:17

Instrument :

MSVOA_U

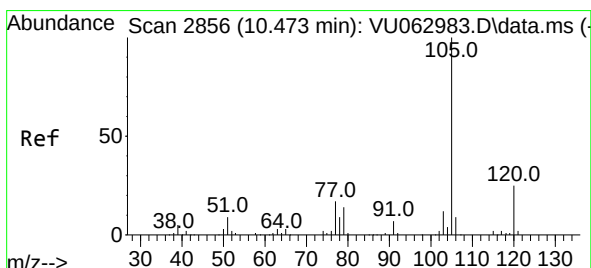
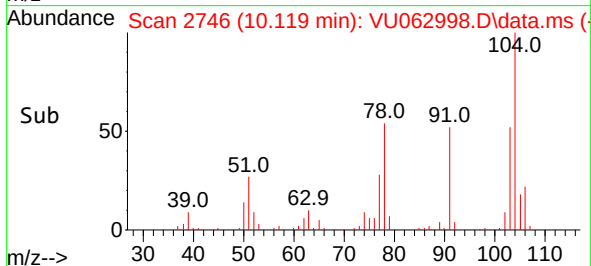
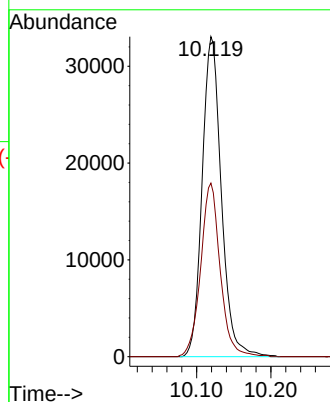
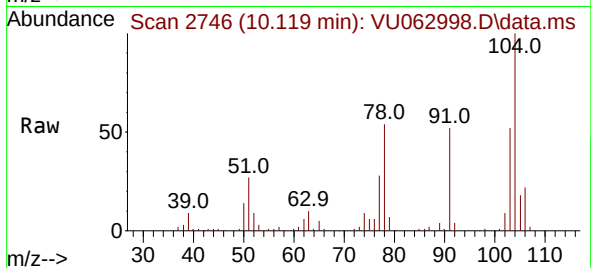
ClientSampleId :

Tgt Ion:104 Resp: 59348

Ion Ratio Lower Upper

104 100

78 54.3 35.5 65.9



#60

Isopropylbenzene

Concen: 0.395 ug/L

RT: 10.997 min Scan# 3019

Delta R.T. 0.524 min

Lab File: VU062998.D

Acq: 24 Jan 2025 17:17

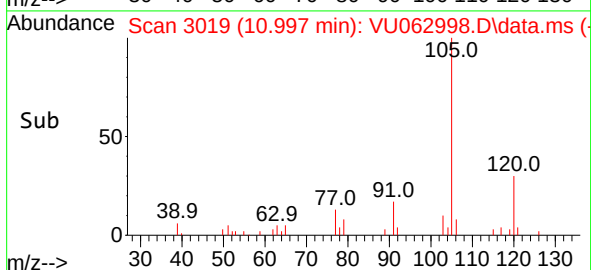
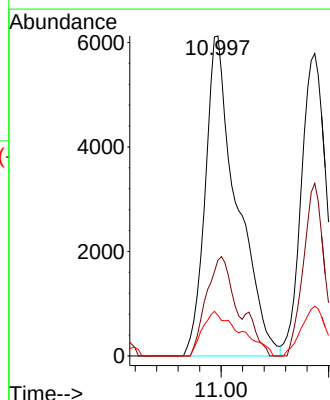
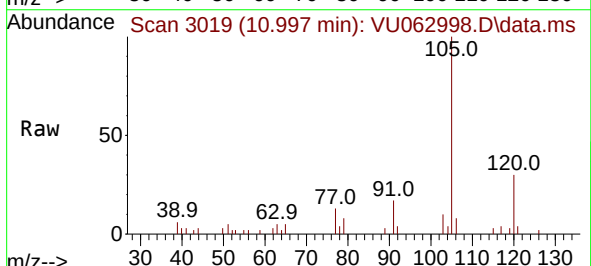
Tgt Ion:105 Resp: 12507

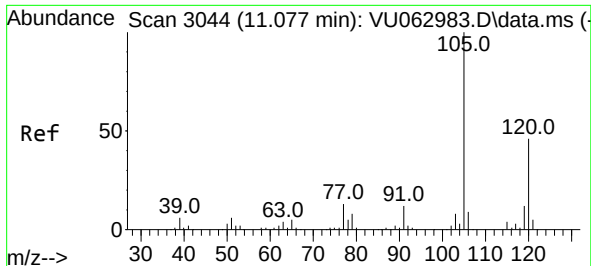
Ion Ratio Lower Upper

105 100

120 26.6 20.2 30.2

77 16.7 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 0.349 ug/L

RT: 11.087 min Scan# 3044

Delta R.T. 0.010 min

Lab File: VU062998.D

Acq: 24 Jan 2025 17:17

Instrument :

MSVOA_U

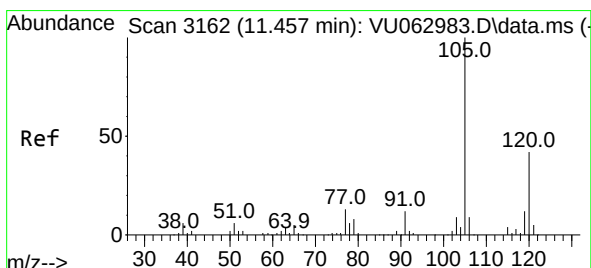
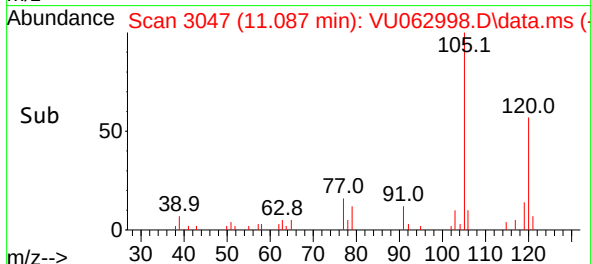
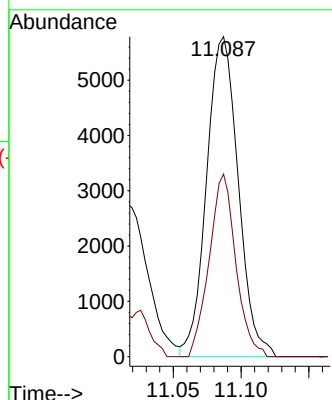
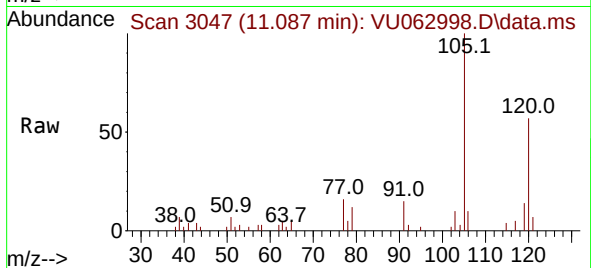
ClientSampleId :

Tgt Ion:105 Resp: 9394

Ion Ratio Lower Upper

105 100

120 48.0 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 0.962 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.006 min

Lab File: VU062998.D

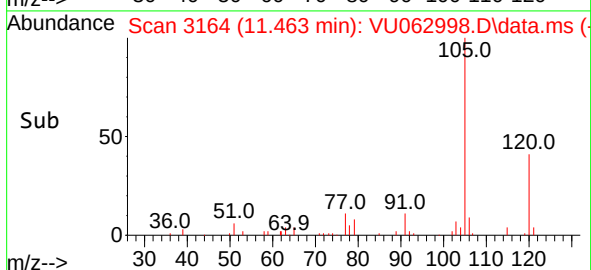
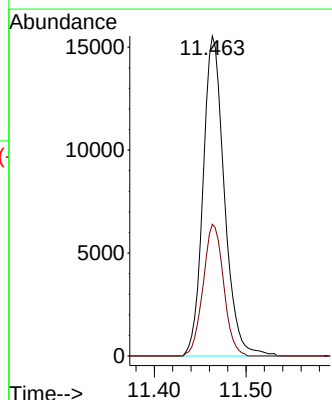
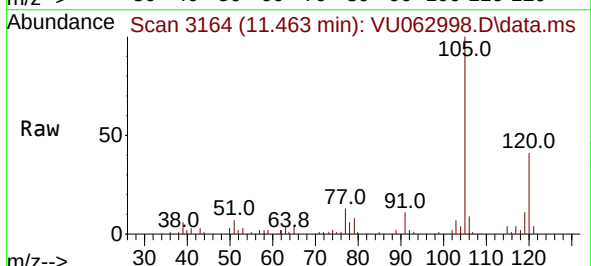
Acq: 24 Jan 2025 17:17

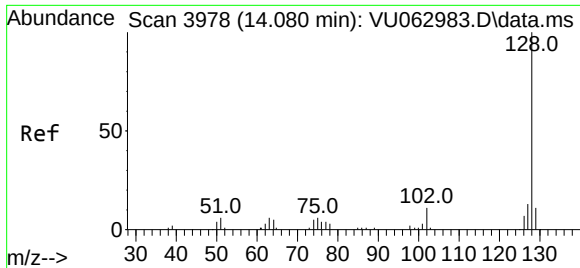
Tgt Ion:105 Resp: 25035

Ion Ratio Lower Upper

105 100

120 39.7 34.2 51.2





#71

Naphthalene

Concen: 1.751 ug/L

RT: 14.077 min Scan# 3977

Delta R.T. -0.003 min

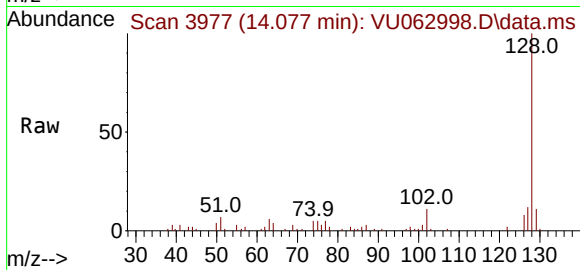
Lab File: VU062998.D

Acq: 24 Jan 2025 17:17

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 22809

Ion Ratio Lower Upper

128 100

129 11.7 8.5 12.7

127 12.5 10.2 15.2

