

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
 Data File : VU062997.D
 Acq On : 24 Jan 2025 16:52
 Operator : MD/SY
 Sample : Q1174-09
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 24 19:07:51 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	6.280	114	117668	5.000	ug/L	0.04
28) Chlorobenzene-d5	9.415	117	105084	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	51903	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.624	65	29108	4.467	ug/L	0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.400%
7) Chloroethane-d5	1.939	69	18240	3.479	ug/L	0.04
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.600%
11) 1,1-Dichloroethene-d2	2.599	65	11768	3.486	ug/L	0.04
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.800%
20) 2-Butanone-d5	4.756	46	60496	45.420	ug/L	0.14
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.840%
24) Chloroform-d	5.119	84	67634	4.218	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	5.750	65	35659	4.100	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
32) Benzene-d6	5.769	84	119298	4.644	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.717	67	39180	5.501	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.000%
41) Toluene-d8	7.907	98	107199	4.284	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	8.190	79	15694	4.421	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.643	63	48003	42.992	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.980%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	28694	4.811	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	12.183	152	36432	4.219	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.547	50	837	0.111	ug/L	96
8) Chloroethane	1.923	64	31760	6.241	ug/L #	53
13) Acetone	2.779	43	124662	118.149	ug/L	91
14) Carbon disulfide	2.820	76	14840	0.636	ug/L #	94
15) Methyl Acetate	2.779	43	124549	54.517	ug/L #	44
16) Methylene chloride	3.081	84	1649	0.206	ug/L	94
19) 1,1-Dichloroethane	3.891	63	3122	0.223	ug/L	96
21) 2-Butanone	4.836	43	31887	22.692	ug/L	87
34) Trichloroethene	6.280	95	4069	0.395	ug/L #	5
37) 1,2-Dichloropropane	6.714	63	4465	0.627	ug/L #	85
40) 4-Methyl-2-pentanone	7.811	43	32442	9.751	ug/L #	96
42) Toluene	7.978	91	20837	0.630	ug/L	100
52) Ethylbenzene	9.573	91	7405	0.197	ug/L	89
53) m,p-Xylene	9.692	106	9079	0.647	ug/L	92
54) o-Xylene	10.097	106	8946	0.665	ug/L	89
60) Isopropylbenzene	10.991	105	6280	0.176	ug/L	94
62) 1,3,5-Trimethylbenzene	11.084	105	11301	0.372	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	23095	0.785	ug/L	93
71) Naphthalene	14.077	128	55993	3.805	ug/L	98

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QLast Update : Fri Jan 24 19:02:27 2025
Response via : Initial Calibration

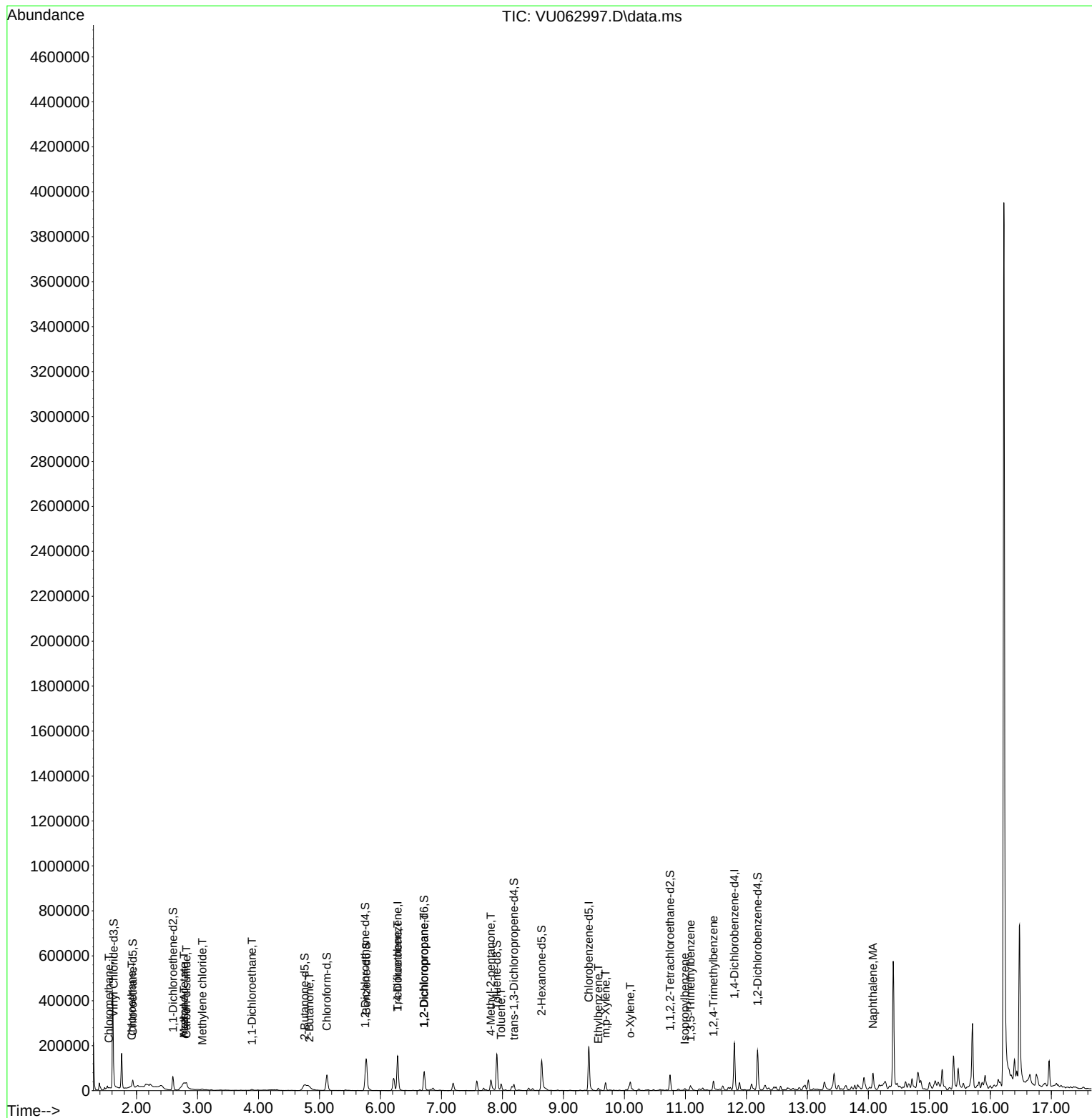
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

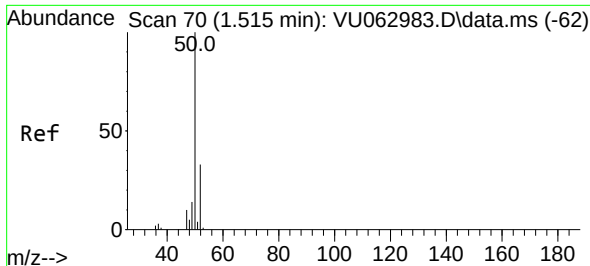
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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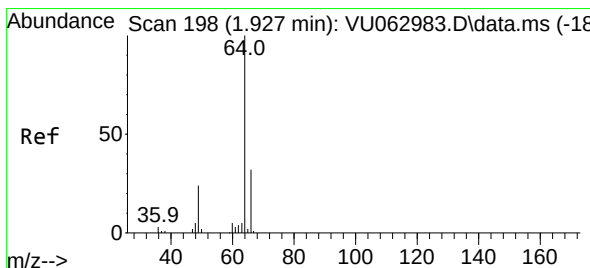
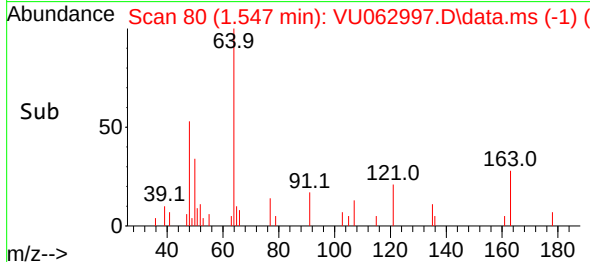
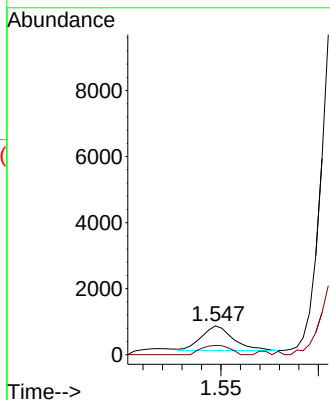
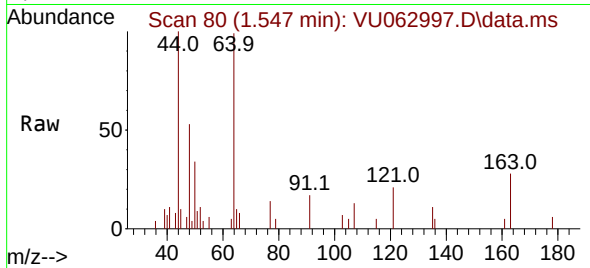




#3
Chloromethane
Concen: 0.111 ug/L
RT: 1.547 min Scan# 80
Delta R.T. 0.032 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

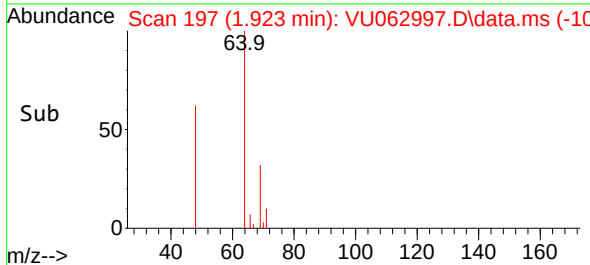
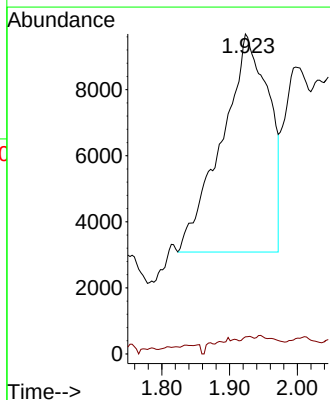
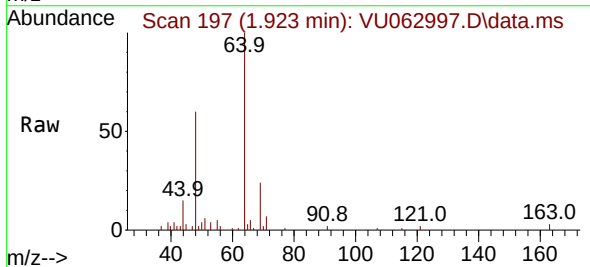
Instrument :
MSVOA_U
ClientSampleId :

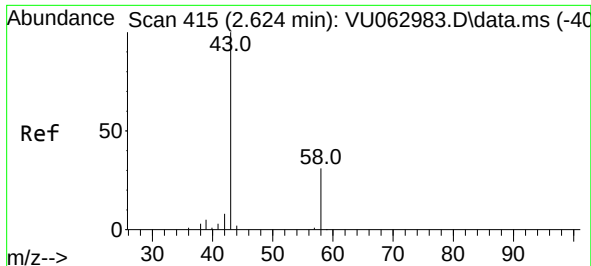
Tgt Ion: 50 Resp: 837
Ion Ratio Lower Upper
50 100
52 32.1 24.1 44.7



#8
Chloroethane
Concen: 6.241 ug/L
RT: 1.923 min Scan# 197
Delta R.T. -0.003 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

Tgt Ion: 64 Resp: 31760
Ion Ratio Lower Upper
64 100
66 5.3 21.6 40.2#





#13

Acetone

Concen: 118.149 ug/L

RT: 2.779 min Scan# 415

Delta R.T. 0.154 min

Lab File: VU062997.D

Acq: 24 Jan 2025 16:52

Instrument :

MSVOA_U

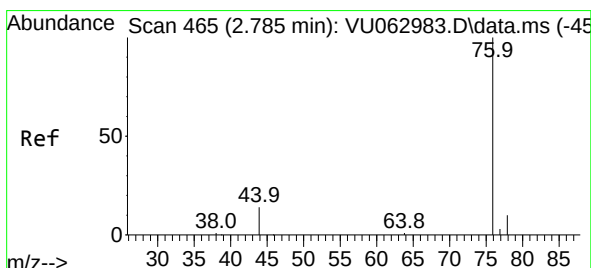
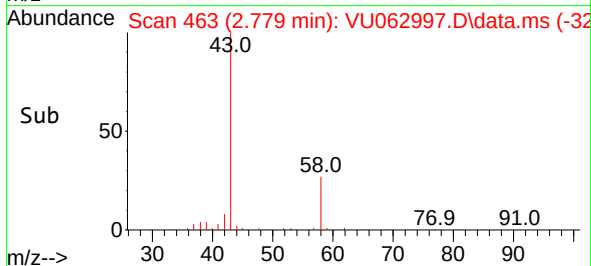
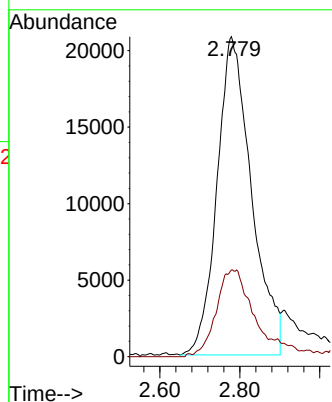
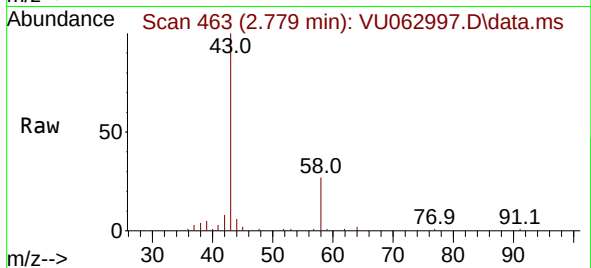
ClientSampleId :

Tgt Ion: 43 Resp: 124662

Ion Ratio Lower Upper

43 100

58 27.0 0.0 64.4



#14

Carbon disulfide

Concen: 0.636 ug/L

RT: 2.820 min Scan# 476

Delta R.T. 0.035 min

Lab File: VU062997.D

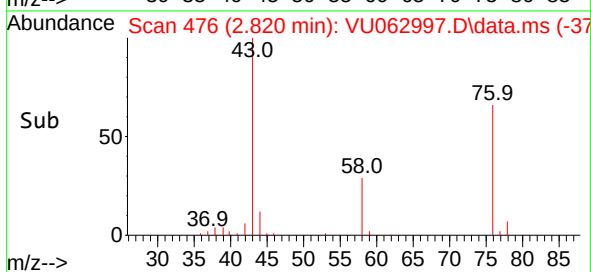
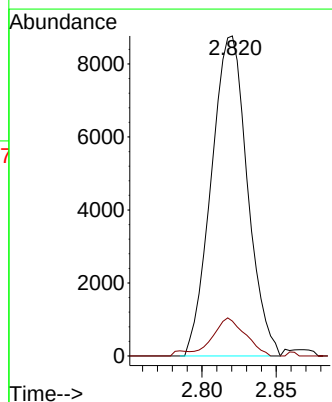
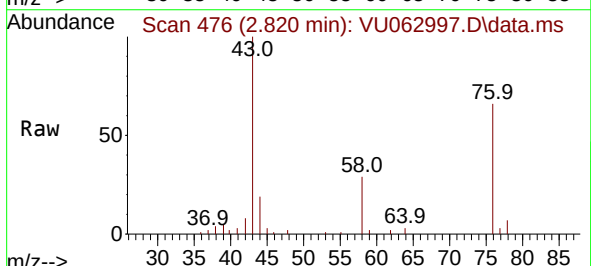
Acq: 24 Jan 2025 16:52

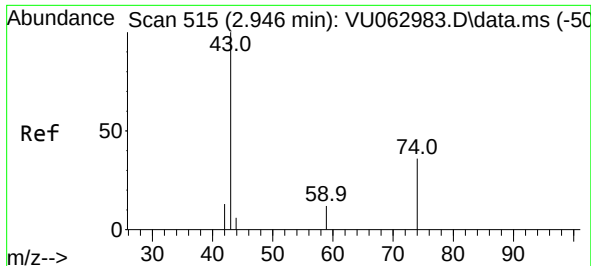
Tgt Ion: 76 Resp: 14840

Ion Ratio Lower Upper

76 100

78 10.9 7.0 10.6#

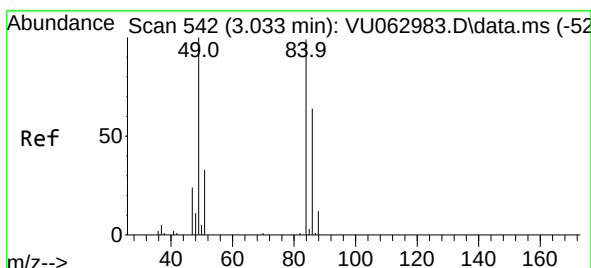
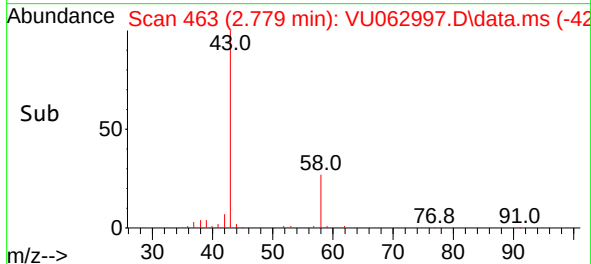
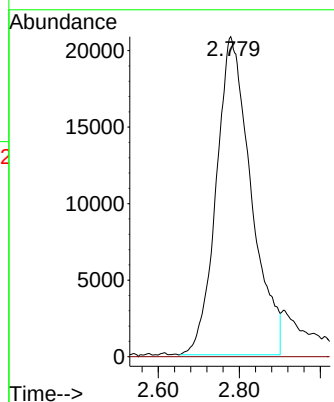
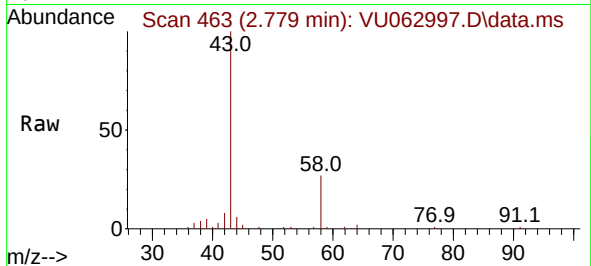




#15
Methyl Acetate
Concen: 54.517 ug/L
RT: 2.779 min Scan# 41
Delta R.T. -0.167 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

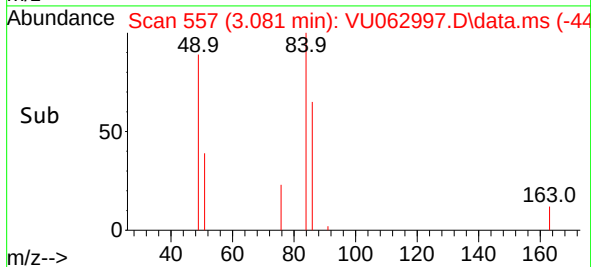
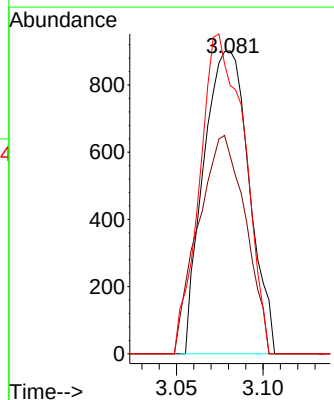
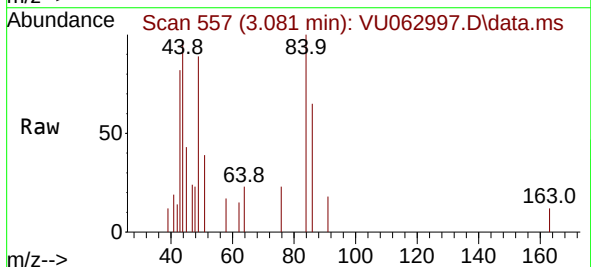
Instrument :
MSVOA_U
ClientSampleId :

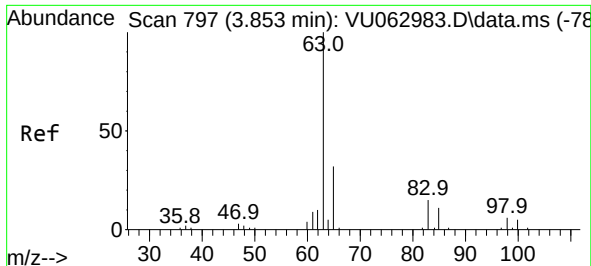
Tgt Ion: 43 Resp: 124549
Ion Ratio Lower Upper
43 100
74 0.0 24.4 36.6#



#16
Methylene chloride
Concen: 0.206 ug/L
RT: 3.081 min Scan# 557
Delta R.T. 0.048 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

Tgt Ion: 84 Resp: 1649
Ion Ratio Lower Upper
84 100
86 65.3 44.7 83.1
49 88.6 68.3 126.9





#19

1,1-Dichloroethane

Concen: 0.223 ug/L

RT: 3.891 min Scan# 80

Delta R.T. 0.039 min

Lab File: VU062997.D

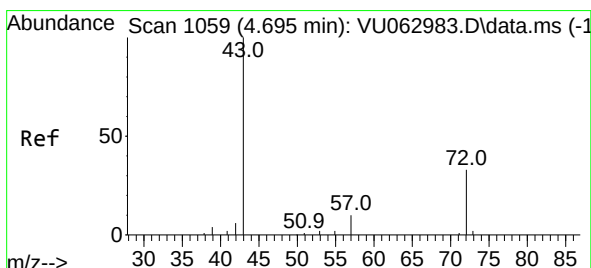
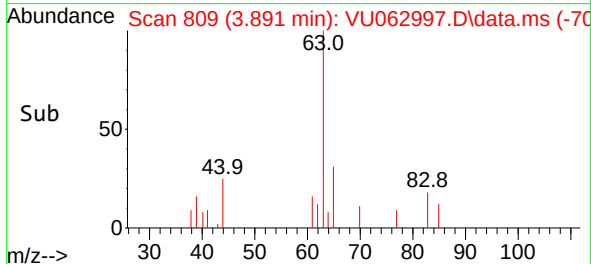
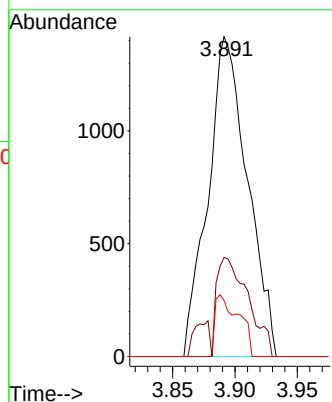
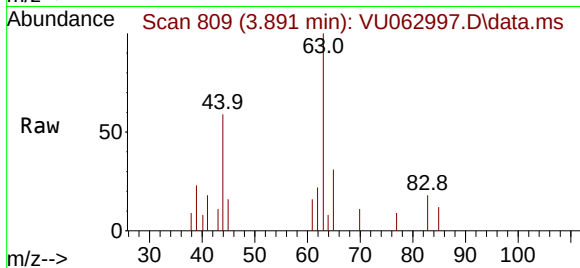
Acq: 24 Jan 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 3122
Ion Ratio	Lower Upper
63	100
65	31.0 20.7 38.5
83	17.6 10.5 19.5



#21

2-Butanone

Concen: 22.692 ug/L

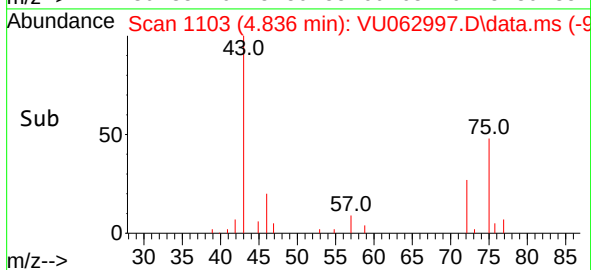
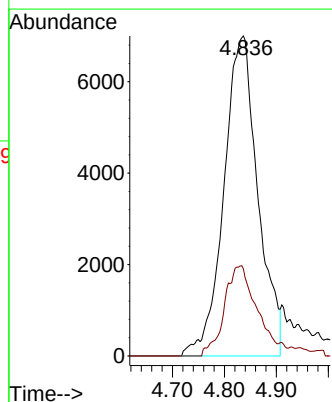
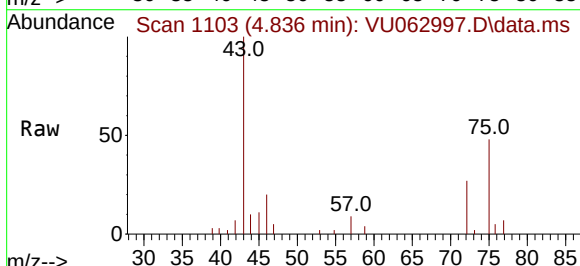
RT: 4.836 min Scan# 1103

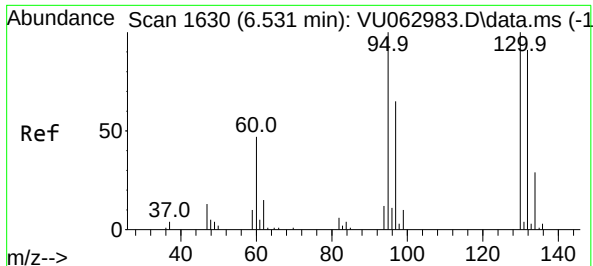
Delta R.T. 0.141 min

Lab File: VU062997.D

Acq: 24 Jan 2025 16:52

Tgt Ion: 43	Resp: 31887
Ion Ratio	Lower Upper
43	100
72	26.6 17.1 51.2

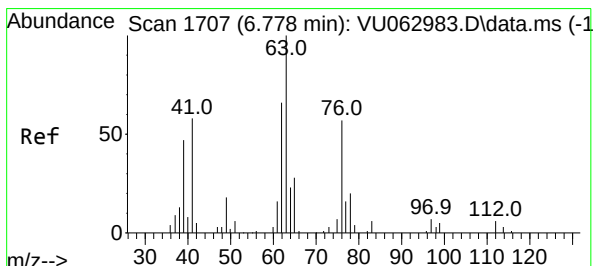
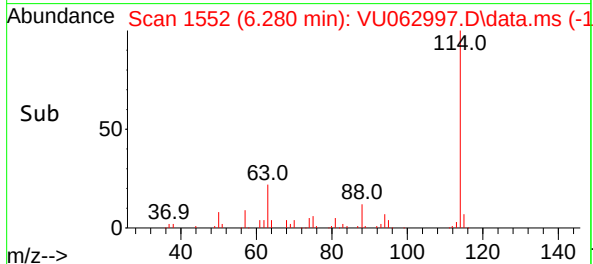
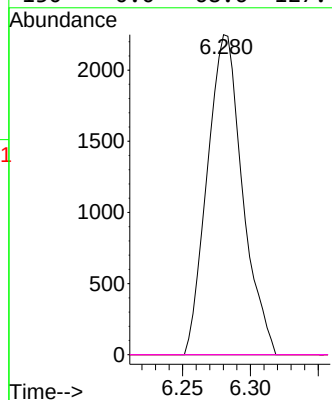
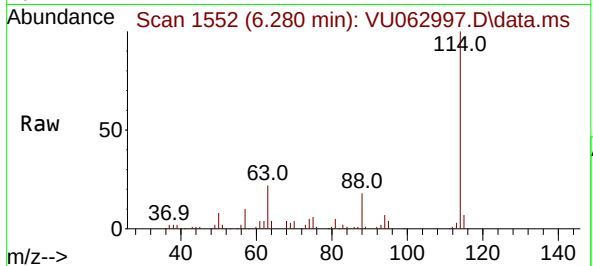




#34
Trichloroethene
Concen: 0.395 ug/L
RT: 6.280 min Scan# 11
Delta R.T. -0.251 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

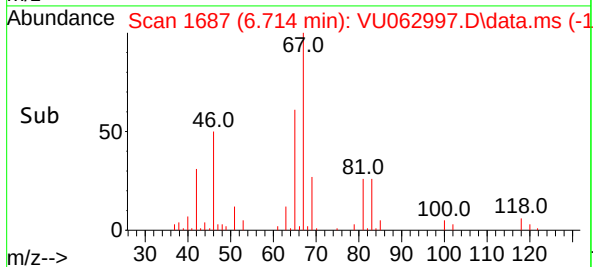
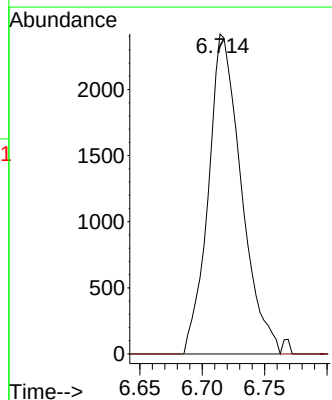
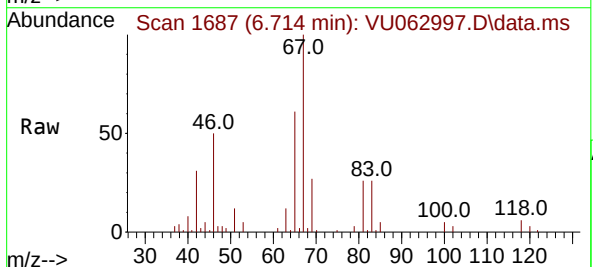
Instrument :
MSVOA_U
ClientSampleId :

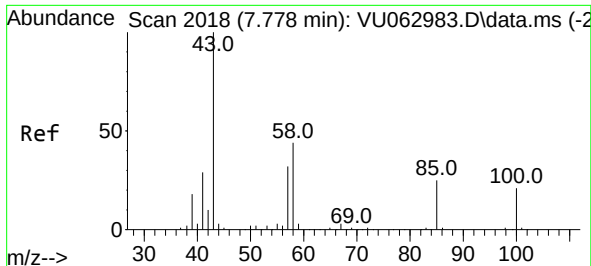
Tgt Ion: 95 Resp: 4069
Ion Ratio Lower Upper
95 100
97 0.0 47.5 88.3#
132 0.0 66.9 124.3#
130 0.0 68.6 127.4#



#37
1,2-Dichloropropane
Concen: 0.627 ug/L
RT: 6.714 min Scan# 1687
Delta R.T. -0.064 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

Tgt Ion: 63 Resp: 4465
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#





#40

4-Methyl-2-pentanone

Concen: 9.751 ug/L

RT: 7.811 min Scan# 2018

Delta R.T. 0.032 min

Lab File: VU062997.D

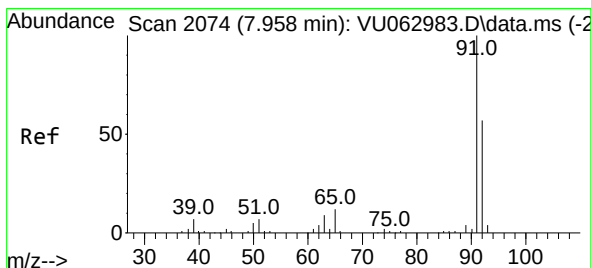
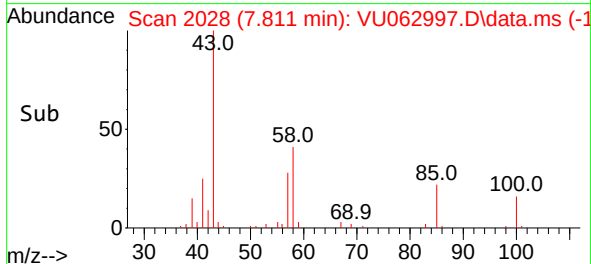
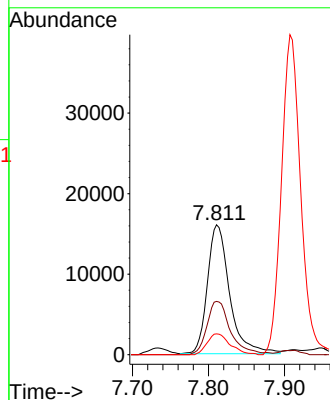
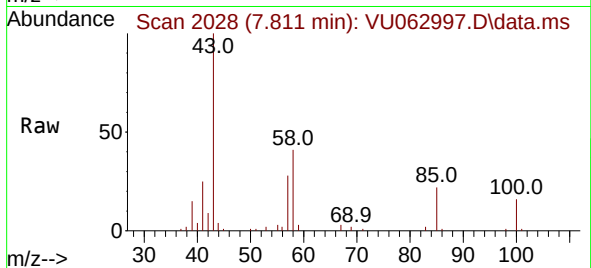
Acq: 24 Jan 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	43	Resp:	32442
Ion	Ratio	Lower	Upper
43	100		
58	43.4	35.8	53.8
100	16.8	16.8	25.2#



#42

Toluene

Concen: 0.630 ug/L

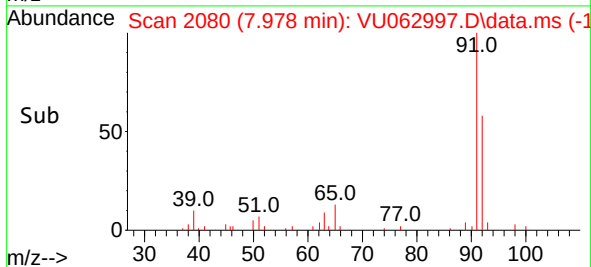
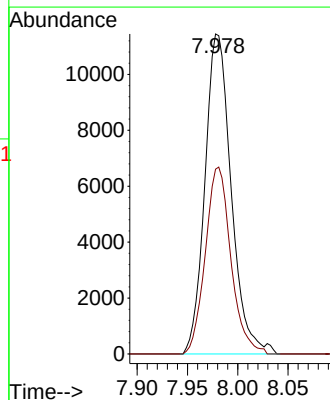
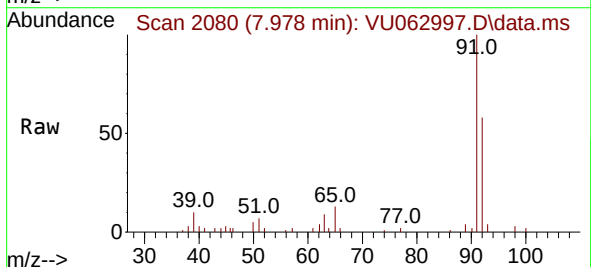
RT: 7.978 min Scan# 2080

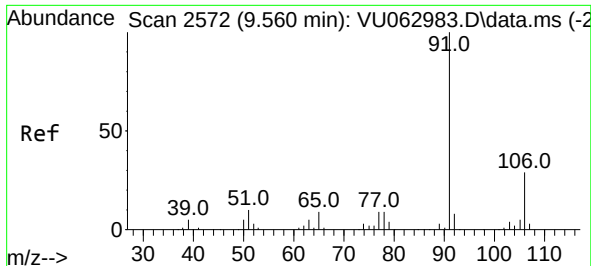
Delta R.T. 0.019 min

Lab File: VU062997.D

Acq: 24 Jan 2025 16:52

Tgt Ion:	91	Resp:	20837
Ion	Ratio	Lower	Upper
91	100		
92	57.7	40.4	75.0

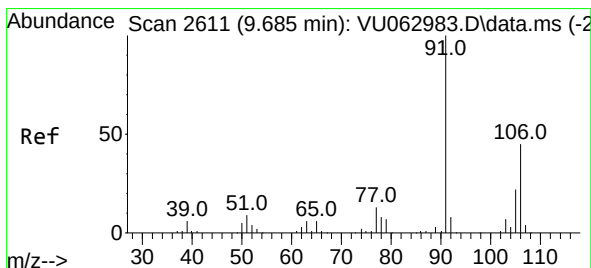
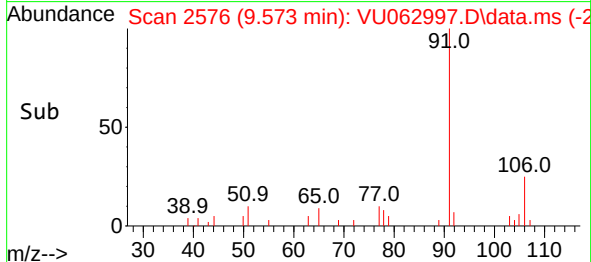
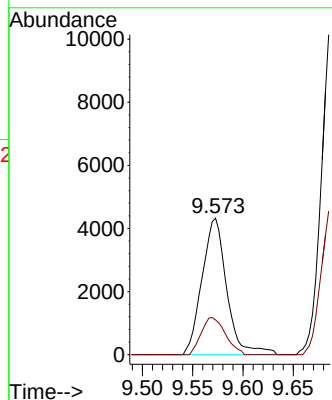
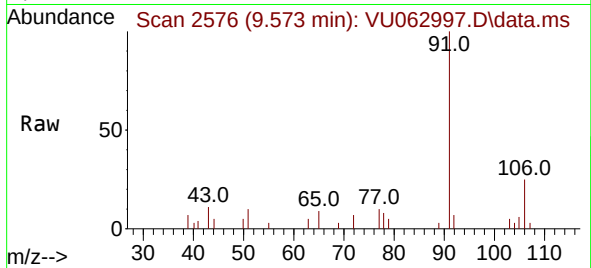




#52
Ethylbenzene
Concen: 0.197 ug/L
RT: 9.573 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

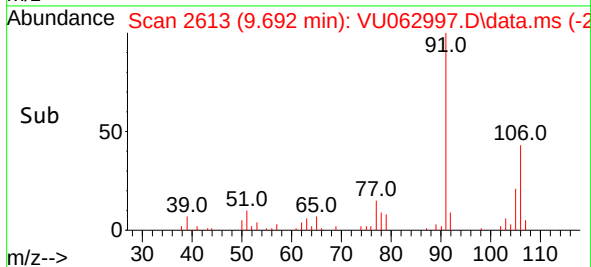
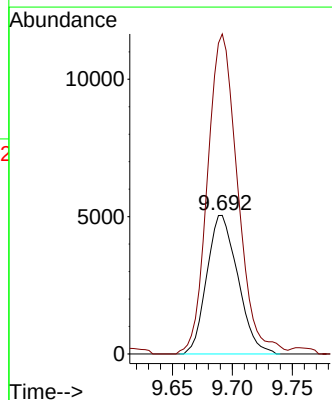
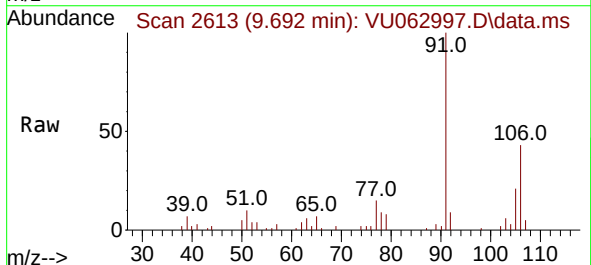
Instrument :
MSVOA_U
ClientSampleId :

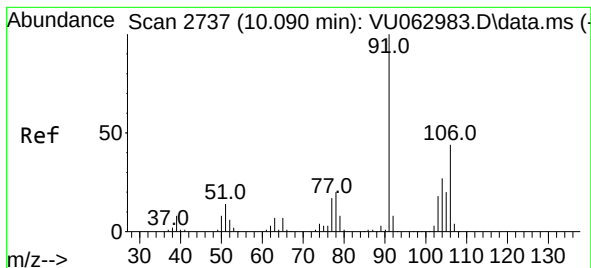
Tgt Ion: 91 Resp: 7405
Ion Ratio Lower Upper
91 100
106 25.4 21.9 40.7



#53
m,p-Xylene
Concen: 0.647 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

Tgt Ion:106 Resp: 9079
Ion Ratio Lower Upper
106 100
91 230.9 153.1 284.3





#54

o-Xylene

Concen: 0.665 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU062997.D

Acq: 24 Jan 2025 16:52

Instrument :

MSVOA_U

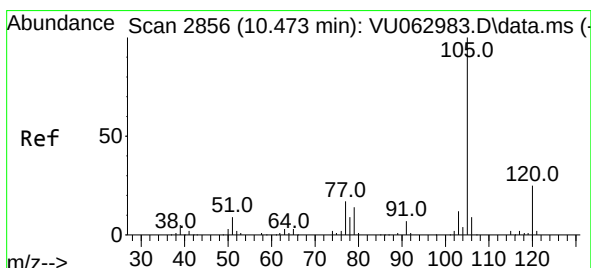
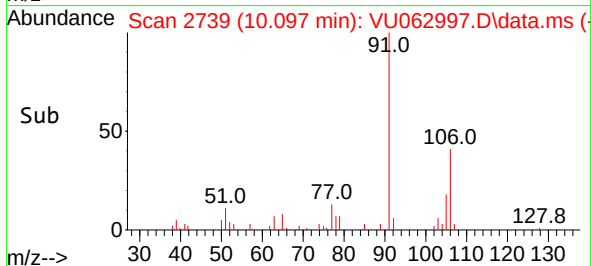
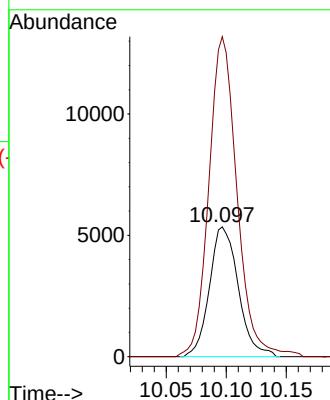
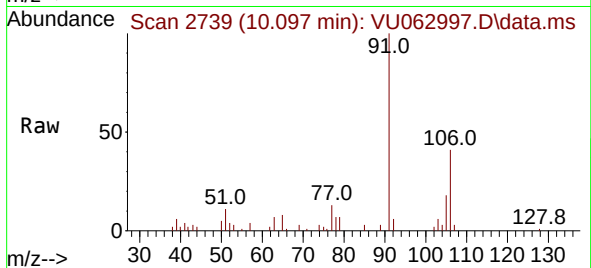
ClientSampleId :

Tgt Ion:106 Resp: 8946

Ion Ratio Lower Upper

106 100

91 246.5 160.4 297.8



#60

Isopropylbenzene

Concen: 0.176 ug/L

RT: 10.991 min Scan# 3017

Delta R.T. 0.518 min

Lab File: VU062997.D

Acq: 24 Jan 2025 16:52

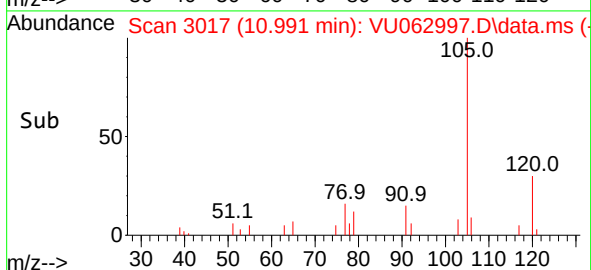
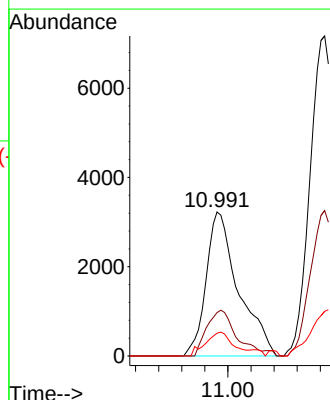
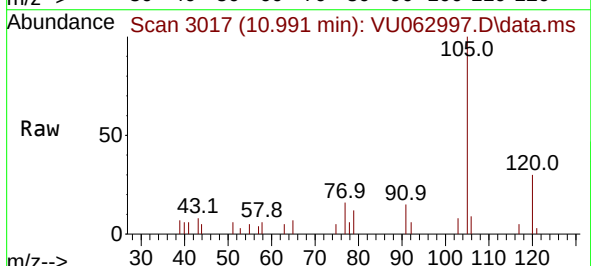
Tgt Ion:105 Resp: 6280

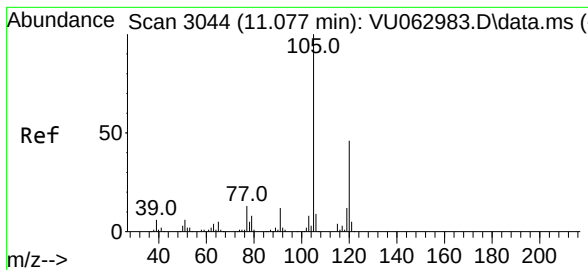
Ion Ratio Lower Upper

105 100

120 29.8 20.2 30.2

77 15.4 13.0 19.4

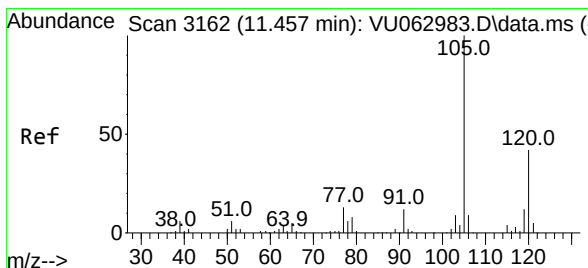
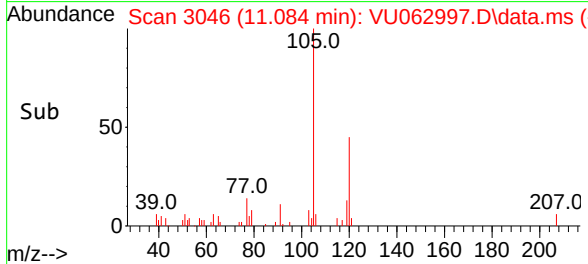
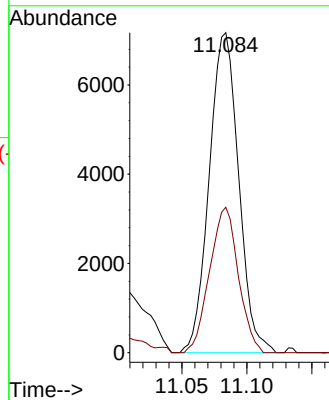
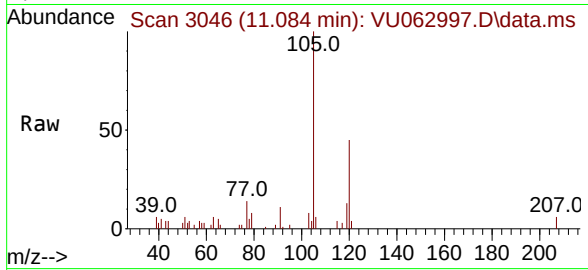




#62
1,3,5-Trimethylbenzene
Concen: 0.372 ug/L
RT: 11.084 min Scan# 3044
Delta R.T. 0.006 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

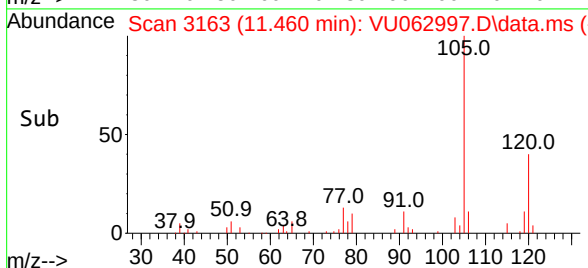
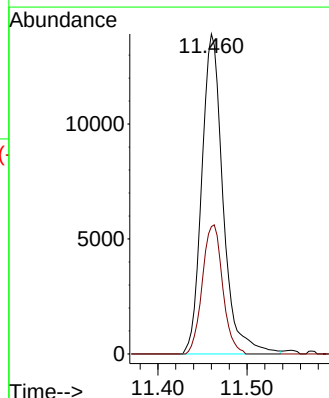
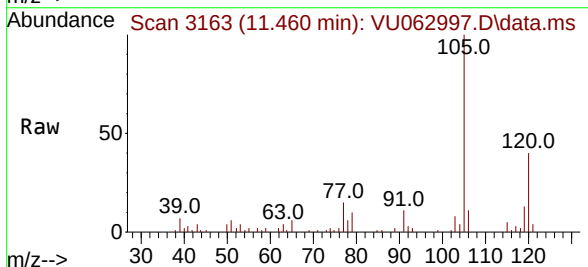
Instrument :
MSVOA_U
ClientSampleId :

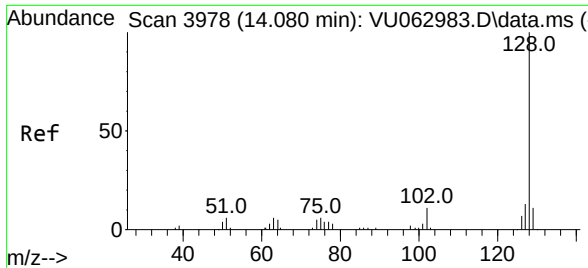
Tgt Ion:105 Resp: 11301
Ion Ratio Lower Upper
105 100
120 44.2 35.9 53.9



#63
1,2,4-Trimethylbenzene
Concen: 0.785 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

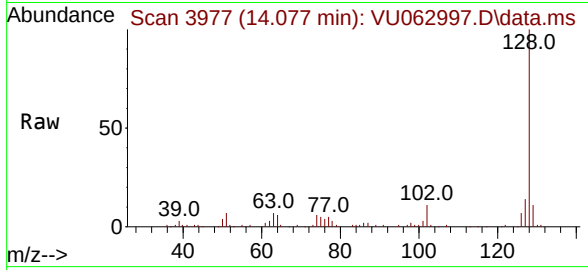
Tgt Ion:105 Resp: 23095
Ion Ratio Lower Upper
105 100
120 38.4 34.2 51.2





#71
Naphthalene
Concen: 3.805 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.003 min
Lab File: VU062997.D
Acq: 24 Jan 2025 16:52

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 55993
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.9 10.2 15.2

