

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
 Data File : VU062992.D
 Acq On : 24 Jan 2025 14:49
 Operator : MD/SY
 Sample : Q1174-04
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 24 19:05:39 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	6.351	114	102920	5.000	ug/L	0.11
28) Chlorobenzene-d5	9.434	117	104300	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.807	152	49181	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.686	65	15107	2.650	ug/L	0.09
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.000%
7) Chloroethane-d5	2.020	69	12617	2.752	ug/L	0.12
Spiked Amount	5.000	Range	65 - 130	Recovery	=	55.000%#
11) 1,1-Dichloroethene-d2	2.682	65	9053	3.066	ug/L	0.13
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.400%
20) 2-Butanone-d5	4.817	46	23401	20.087	ug/L	0.20
Spiked Amount	50.000	Range	40 - 130	Recovery	=	40.180%
24) Chloroform-d	5.158	84	48714	3.474	ug/L	0.11
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.400%#
26) 1,2-Dichloroethane-d4	5.833	65	32999	4.338	ug/L	0.14
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
32) Benzene-d6	5.856	84	104767	4.109	ug/L	0.14
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.772	67	34954	4.945	ug/L	0.09
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.943	98	121680	4.899	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	8.216	79	16328	4.634	ug/L	0.05
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.666	63	51247	46.242	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.480%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	21170	3.576	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	71.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	40625	4.965	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.692	62	5257	0.710	ug/L #	64
8) Chloroethane	1.923	64	1277	0.287	ug/L #	44
13) Acetone	2.866	43	12958	14.041	ug/L	61
14) Carbon disulfide	2.907	76	19489	0.955	ug/L	98
15) Methyl Acetate	2.866	43	15442	7.728	ug/L #	44
18) trans-1,2-Dichloroethene	3.473	96	6460	0.944	ug/L	90
19) 1,1-Dichloroethane	3.997	63	29466	2.408	ug/L	98
22) cis-1,2-Dichloroethene	4.775	96	11707	1.571	ug/L	96
34) Trichloroethene	6.634	95	12160	1.188	ug/L	95
35) Methylcyclohexane	6.772	83	9646	0.766	ug/L #	21
37) 1,2-Dichloropropane	6.772	63	4389	0.621	ug/L #	85
40) 4-Methyl-2-pentanone	7.846	43	36028	10.910	ug/L #	96
42) Toluene	8.013	91	62136	1.892	ug/L	99
52) Ethylbenzene	9.586	91	13579	0.364	ug/L	97
53) m,p-Xylene	9.705	106	17915	1.285	ug/L	99
54) o-Xylene	10.110	106	5410	0.405	ug/L	93
61) 1,2,3-Trichloropropane	11.807	75	5674	1.301	ug/L #	51
63) 1,2,4-Trimethylbenzene	11.467	105	5502	0.197	ug/L	99
69) 1,3,5-Trichlorobenzene	13.833	180	1560	0.132	ug/L #	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
Data File : VU062992.D
Acq On : 24 Jan 2025 14:49
Operator : MD/SY
Sample : Q1174-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 24 19:05:39 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

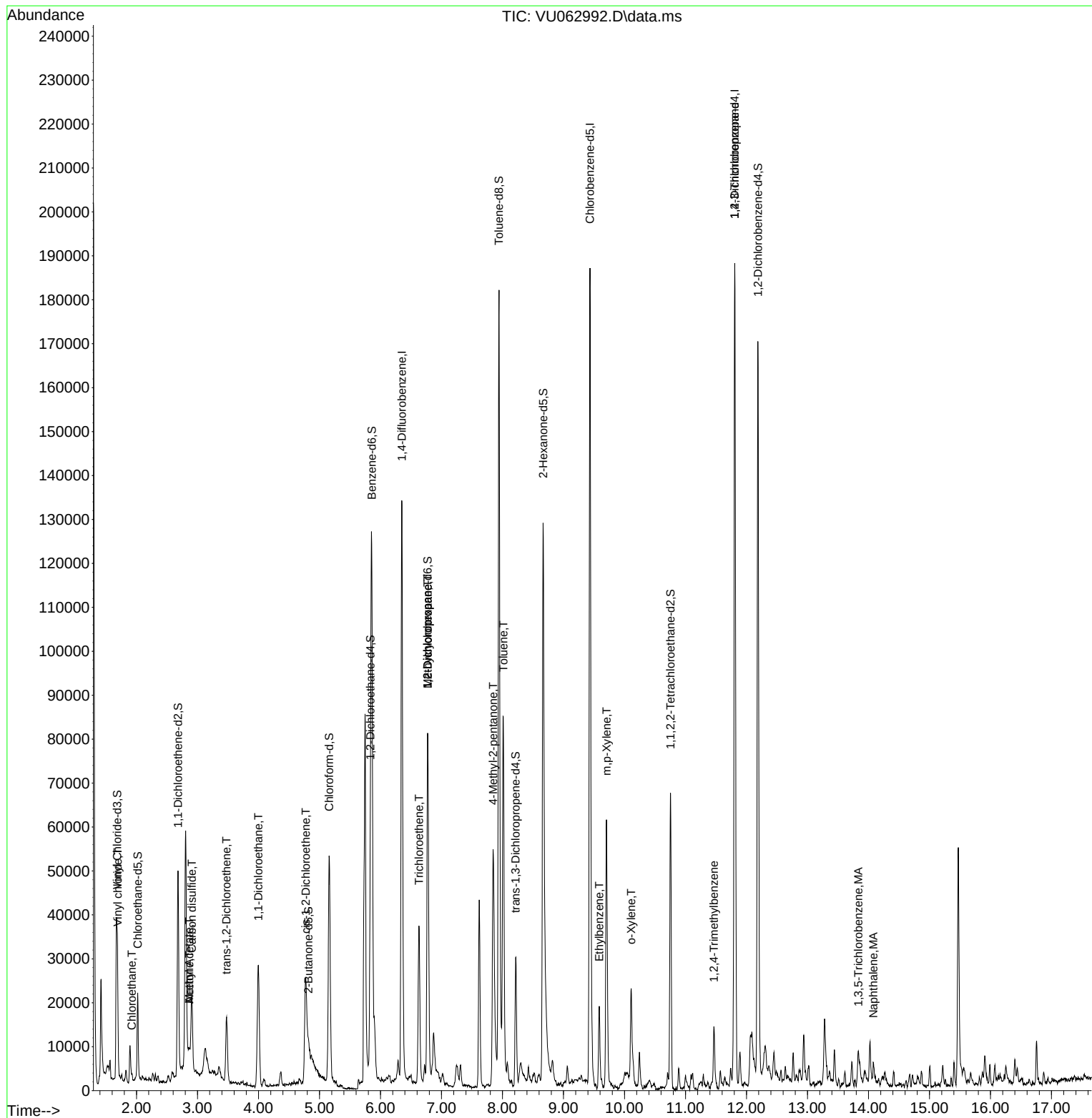
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.081	128	3489	0.250	ug/L	# 92

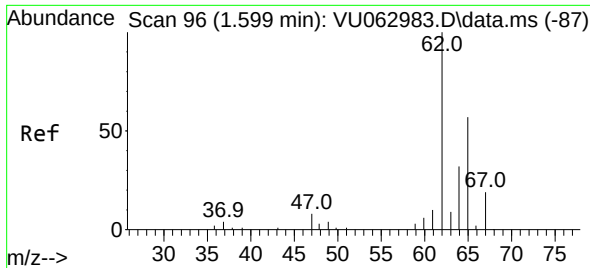
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
Data File : VU062992.D
Acq On : 24 Jan 2025 14:49
Operator : MD/SY
Sample : Q1174-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 24 19:05:39 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

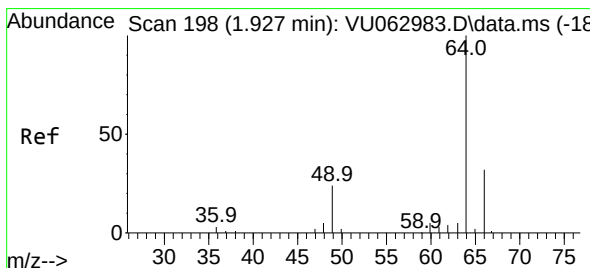
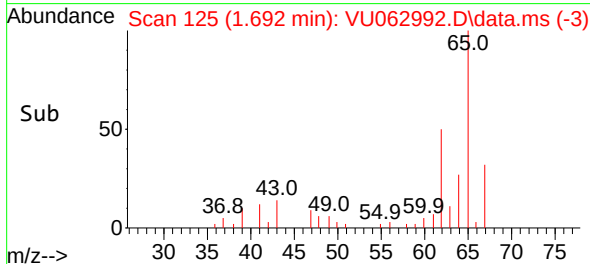
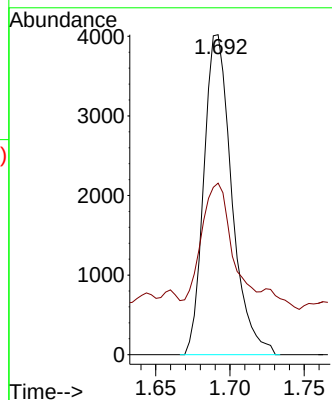
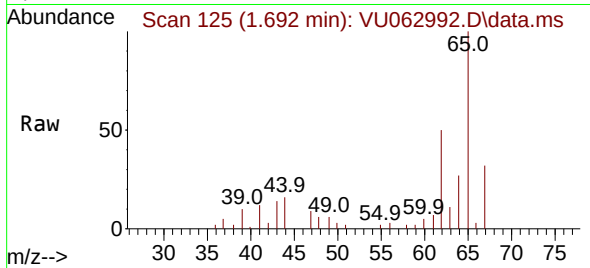




#5
 Vinyl chloride
 Concen: 0.710 ug/L
 RT: 1.692 min Scan# 11
 Delta R.T. 0.093 min
 Lab File: VU062992.D
 Acq: 24 Jan 2025 14:49

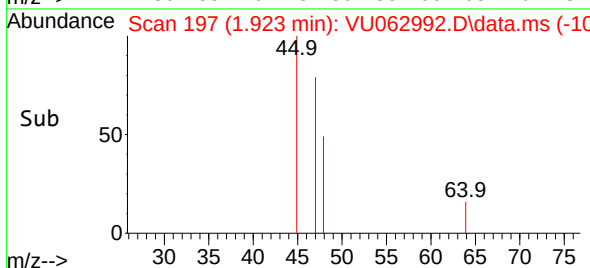
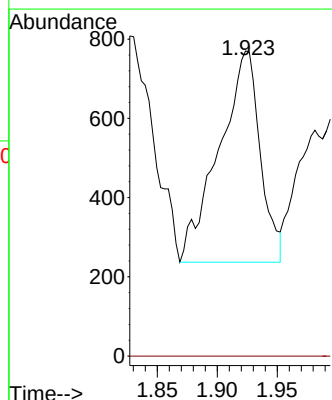
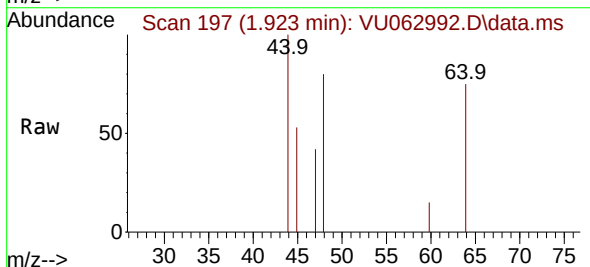
Instrument :
 MSVOA_U
 ClientSampleId :

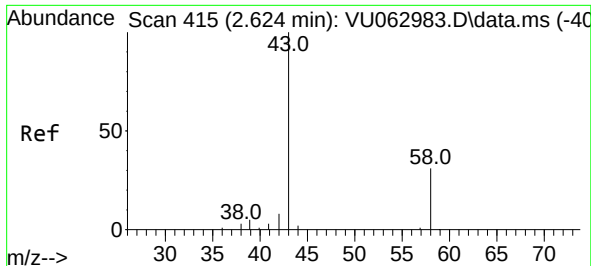
Tgt Ion: 62 Resp: 5257
 Ion Ratio Lower Upper
 62 100
 64 53.6 23.4 43.4#



#8
 Chloroethane
 Concen: 0.287 ug/L
 RT: 1.923 min Scan# 197
 Delta R.T. -0.003 min
 Lab File: VU062992.D
 Acq: 24 Jan 2025 14:49

Tgt Ion: 64 Resp: 1277
 Ion Ratio Lower Upper
 64 100
 66 0.0 21.6 40.2#





#13

Acetone

Concen: 14.041 ug/L

RT: 2.866 min Scan# 490

Delta R.T. 0.241 min

Lab File: VU062992.D

Acq: 24 Jan 2025 14:49

Instrument :

MSVOA_U

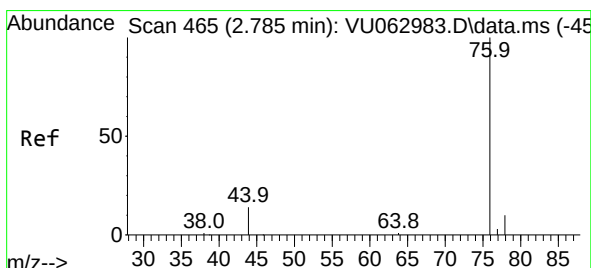
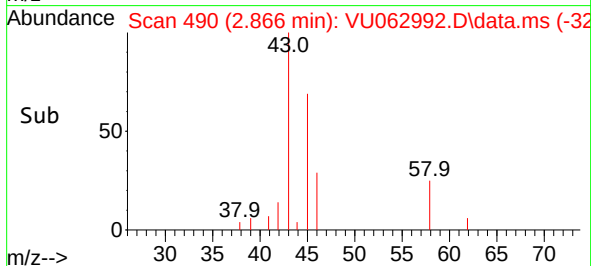
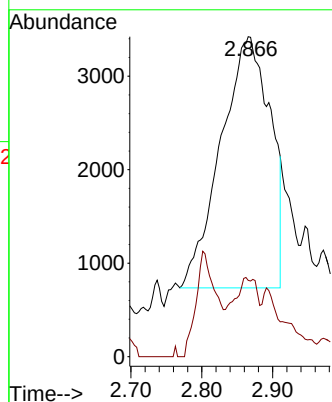
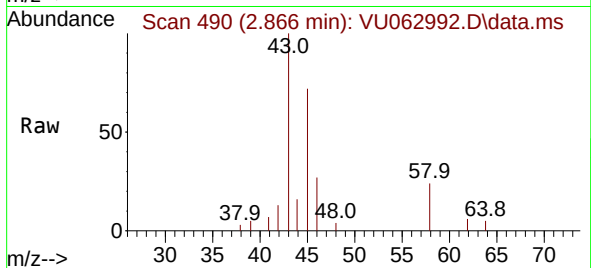
ClientSampleId :

Tgt Ion: 43 Resp: 12958

Ion Ratio Lower Upper

43 100

58 10.5 0.0 64.4



#14

Carbon disulfide

Concen: 0.955 ug/L

RT: 2.907 min Scan# 503

Delta R.T. 0.122 min

Lab File: VU062992.D

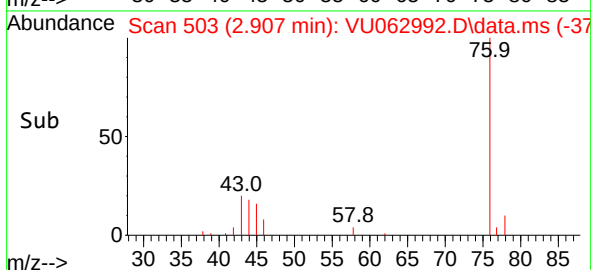
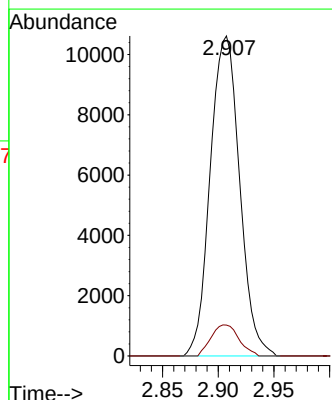
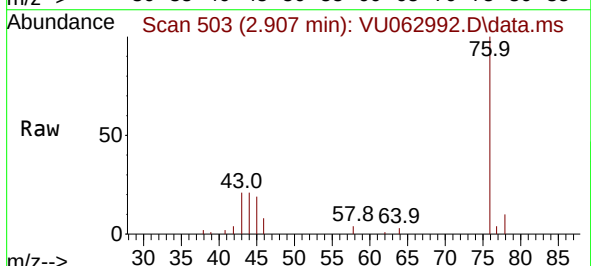
Acq: 24 Jan 2025 14:49

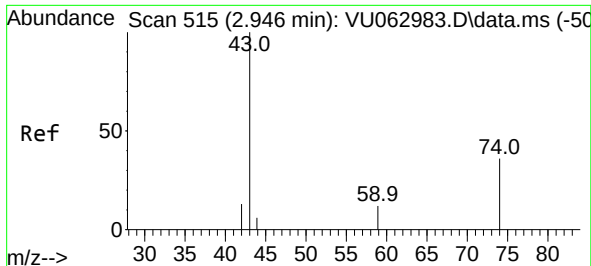
Tgt Ion: 76 Resp: 19489

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6

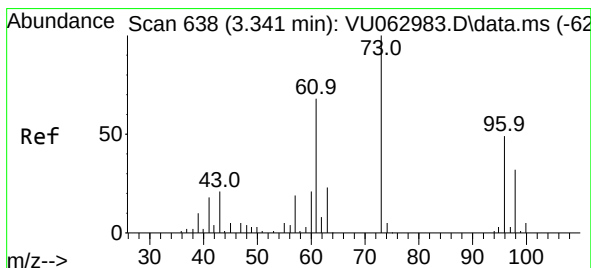
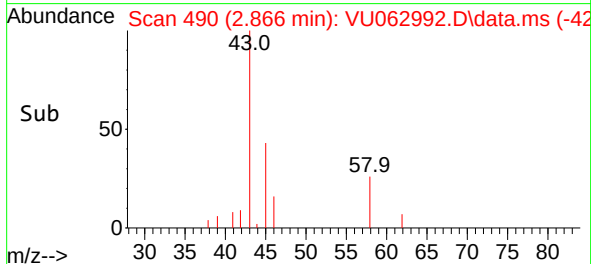
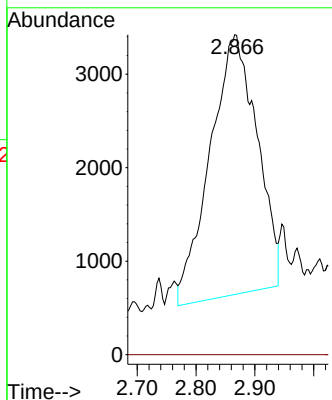
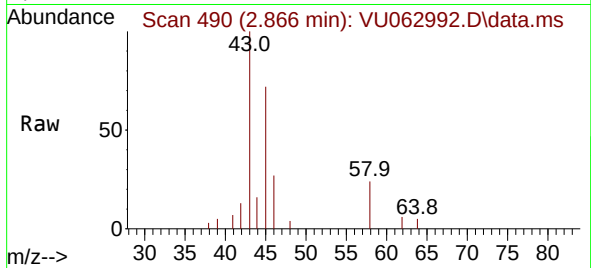




#15
Methyl Acetate
Concen: 7.728 ug/L
RT: 2.866 min Scan# 490
Delta R.T. -0.080 min
Lab File: VU062992.D
Acq: 24 Jan 2025 14:49

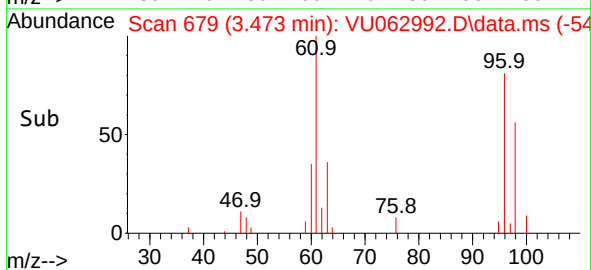
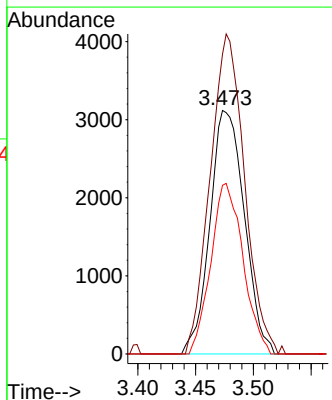
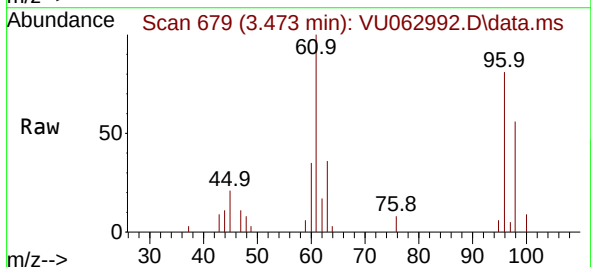
Instrument :
MSVOA_U
ClientSampleId :

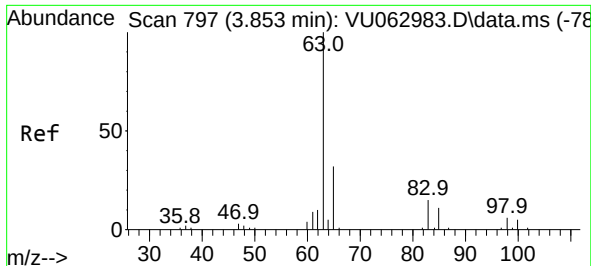
Tgt Ion: 43 Resp: 15442
Ion Ratio Lower Upper
43 100
74 0.0 24.4 36.6#



#18
trans-1,2-Dichloroethene
Concen: 0.944 ug/L
RT: 3.473 min Scan# 679
Delta R.T. 0.132 min
Lab File: VU062992.D
Acq: 24 Jan 2025 14:49

Tgt Ion: 96 Resp: 6460
Ion Ratio Lower Upper
96 100
61 123.1 94.4 175.2
98 69.2 42.8 79.4





#19

1,1-Dichloroethane

Concen: 2.408 ug/L

RT: 3.997 min Scan# 84

Delta R.T. 0.145 min

Lab File: VU062992.D

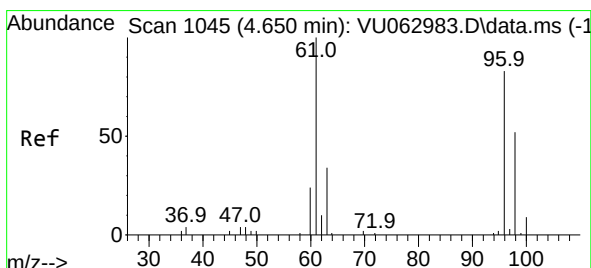
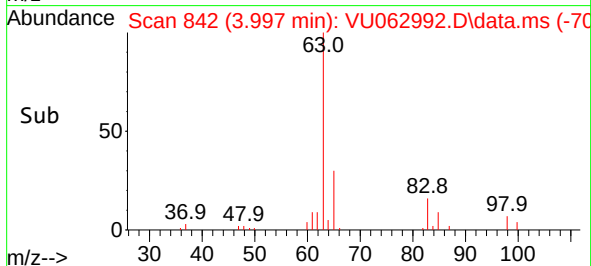
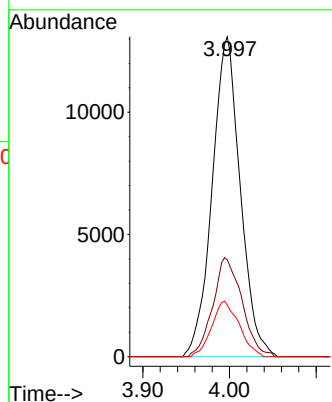
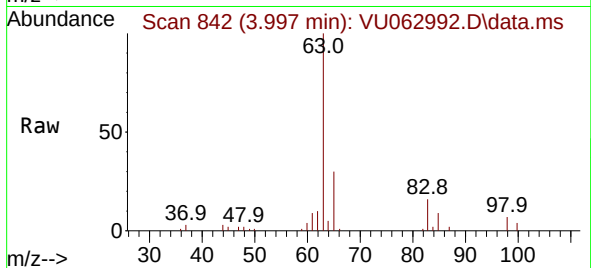
Acq: 24 Jan 2025 14:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 29466
Ion Ratio	Lower Upper
63 100	
65 30.3	20.7 38.5
83 16.2	10.5 19.5



#22

cis-1,2-Dichloroethene

Concen: 1.571 ug/L

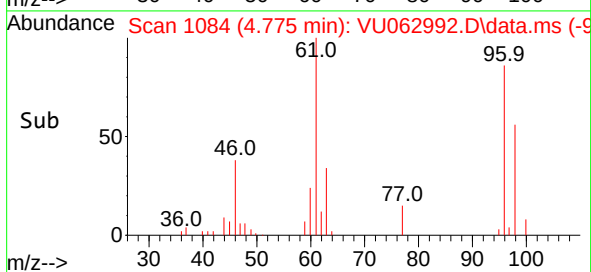
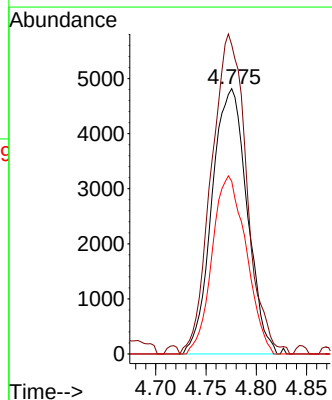
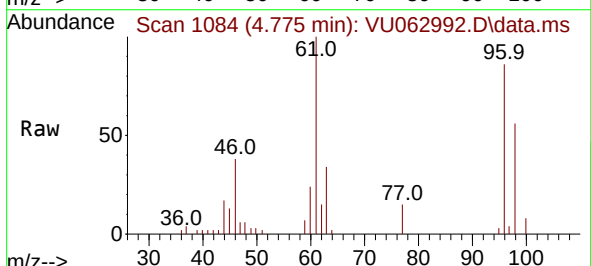
RT: 4.775 min Scan# 1084

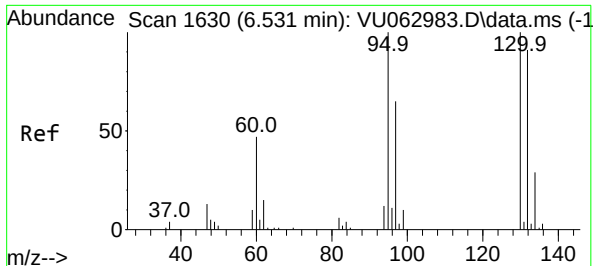
Delta R.T. 0.126 min

Lab File: VU062992.D

Acq: 24 Jan 2025 14:49

Tgt Ion: 96	Resp: 11707
Ion Ratio	Lower Upper
96 100	
61 116.6	84.8 157.6
98 65.1	43.1 80.1





#34

Trichloroethene

Concen: 1.188 ug/L

RT: 6.634 min Scan# 1

Delta R.T. 0.103 min

Lab File: VU062992.D

Acq: 24 Jan 2025 14:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 12160

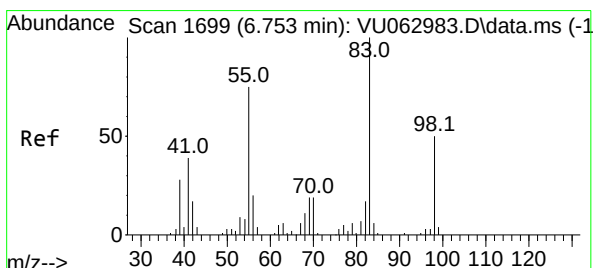
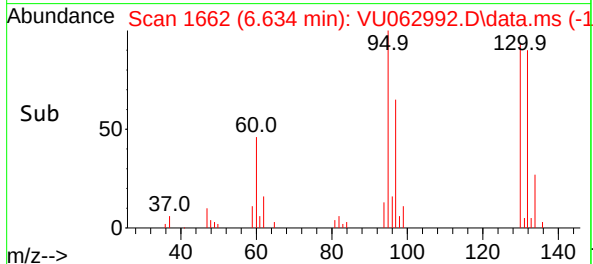
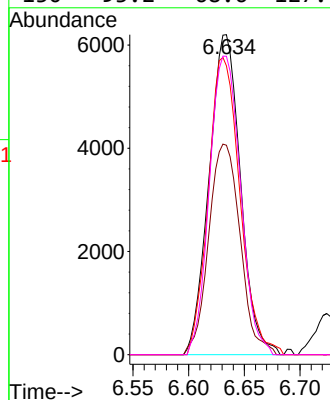
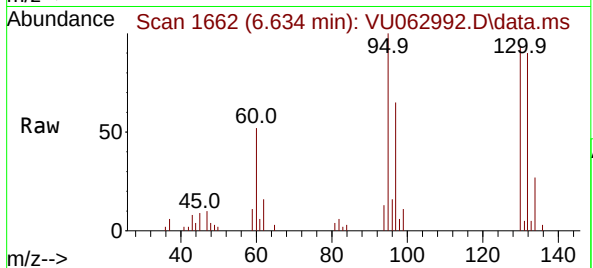
Ion Ratio Lower Upper

95 100

97 65.4 47.5 88.3

132 90.2 66.9 124.3

130 93.2 68.6 127.4



#35

Methylcyclohexane

Concen: 0.766 ug/L

RT: 6.772 min Scan# 1705

Delta R.T. 0.019 min

Lab File: VU062992.D

Acq: 24 Jan 2025 14:49

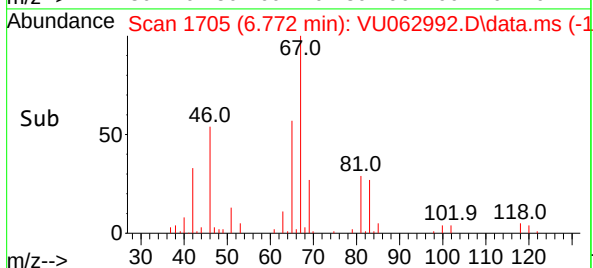
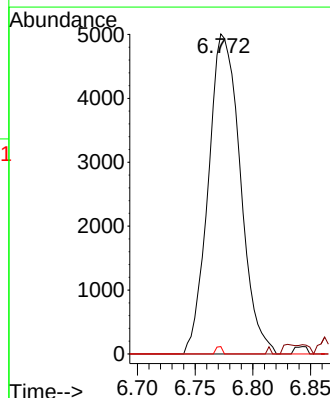
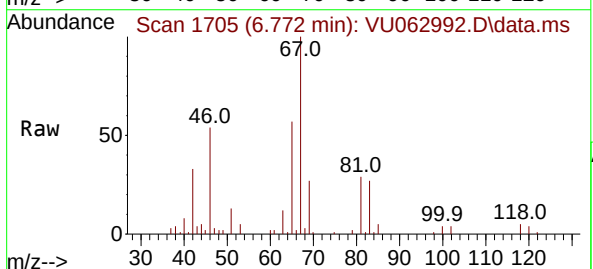
Tgt Ion: 83 Resp: 9646

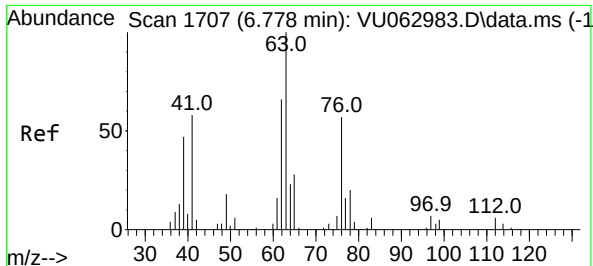
Ion Ratio Lower Upper

83 100

55 0.2 57.2 85.8#

98 0.4 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.621 ug/L

RT: 6.772 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU062992.D

Acq: 24 Jan 2025 14:49

Instrument :

MSVOA_U

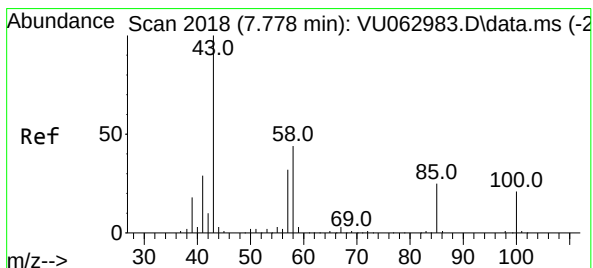
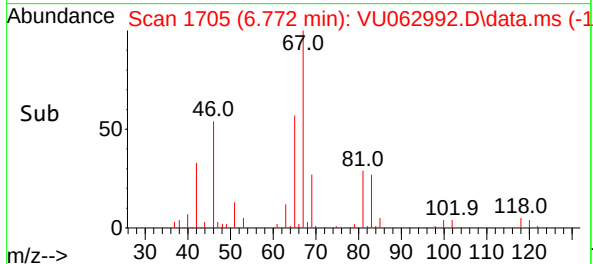
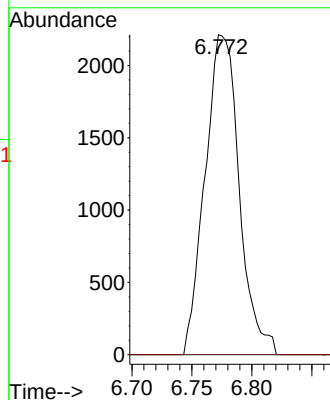
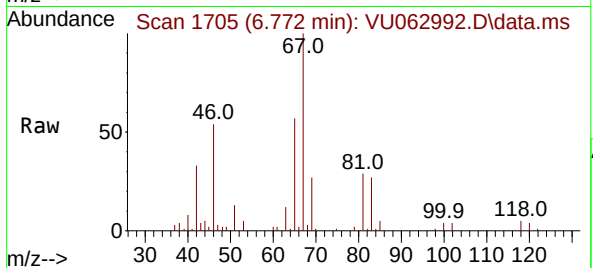
ClientSampleId :

Tgt Ion: 63 Resp: 4389

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#40

4-Methyl-2-pentanone

Concen: 10.910 ug/L

RT: 7.846 min Scan# 2039

Delta R.T. 0.068 min

Lab File: VU062992.D

Acq: 24 Jan 2025 14:49

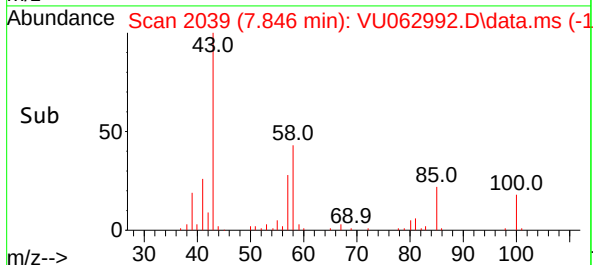
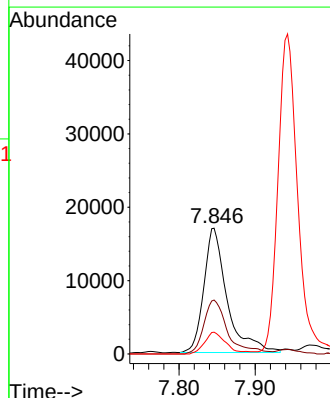
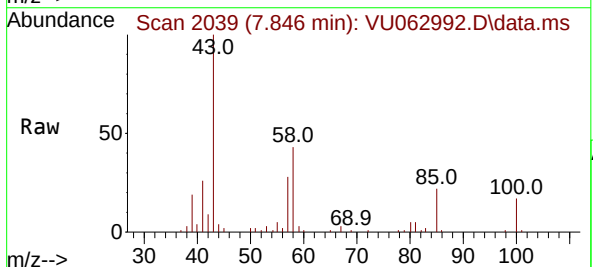
Tgt Ion: 43 Resp: 36028

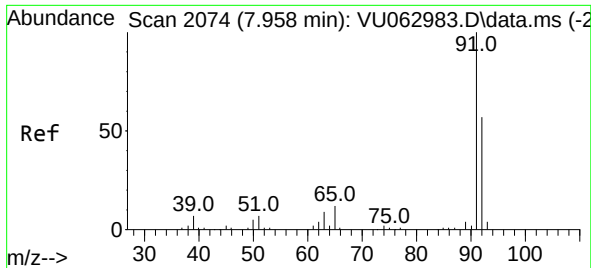
Ion Ratio Lower Upper

43 100

58 44.7 35.8 53.8

100 15.7 16.8 25.2#





#42

Toluene

Concen: 1.892 ug/L

RT: 8.013 min Scan# 2074

Delta R.T. 0.055 min

Lab File: VU062992.D

Acq: 24 Jan 2025 14:49

Instrument :

MSVOA_U

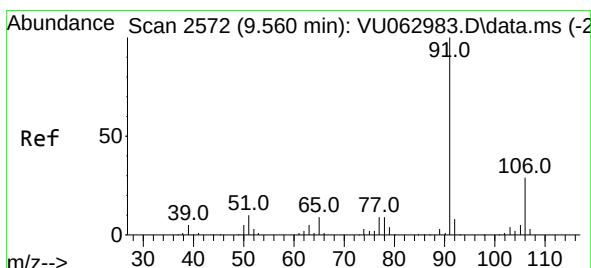
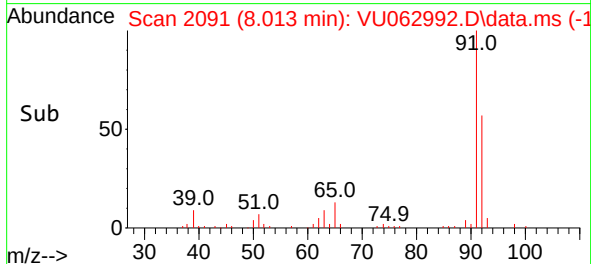
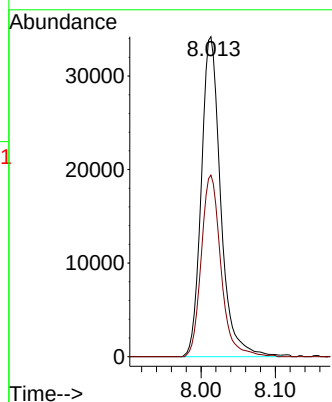
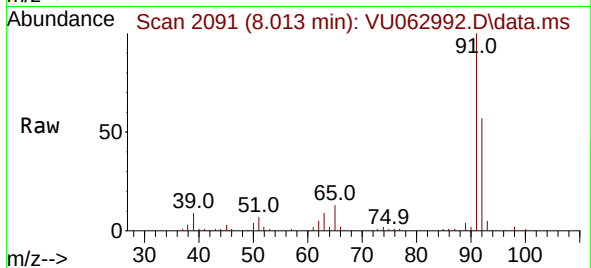
ClientSampleId :

Tgt Ion: 91 Resp: 62136

Ion Ratio Lower Upper

91 100

92 56.8 40.4 75.0



#52

Ethylbenzene

Concen: 0.364 ug/L

RT: 9.586 min Scan# 2580

Delta R.T. 0.026 min

Lab File: VU062992.D

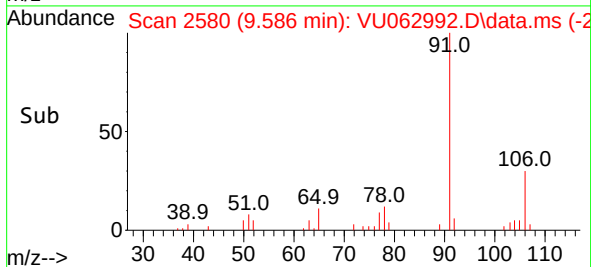
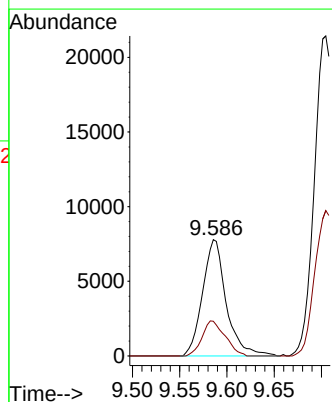
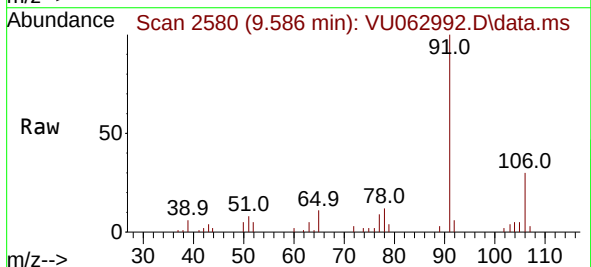
Acq: 24 Jan 2025 14:49

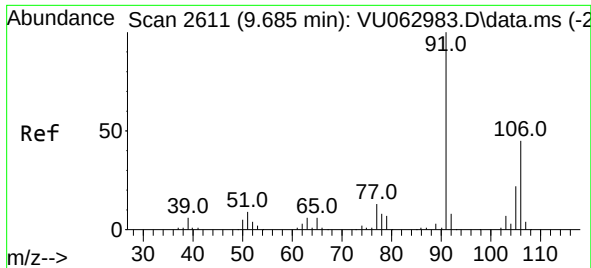
Tgt Ion: 91 Resp: 13579

Ion Ratio Lower Upper

91 100

106 29.8 21.9 40.7

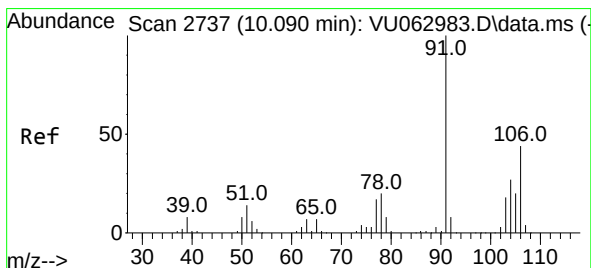
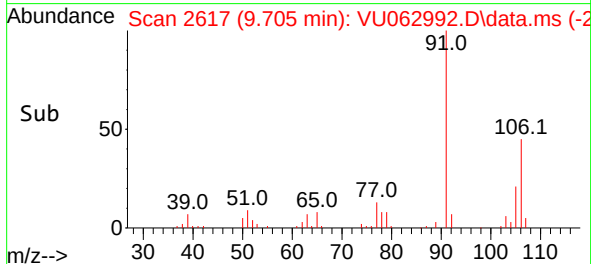
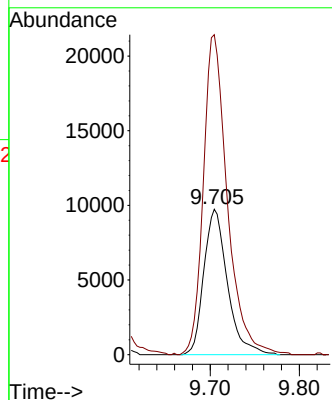
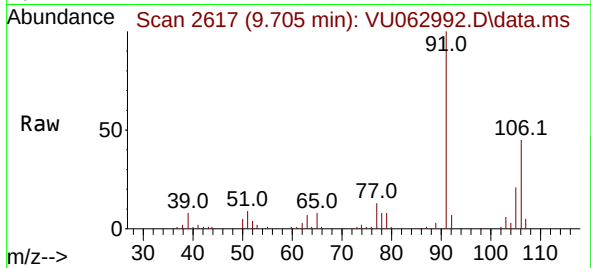




#53
m,p-Xylene
Concen: 1.285 ug/L
RT: 9.705 min Scan# 20
Delta R.T. 0.019 min
Lab File: VU062992.D
Acq: 24 Jan 2025 14:49

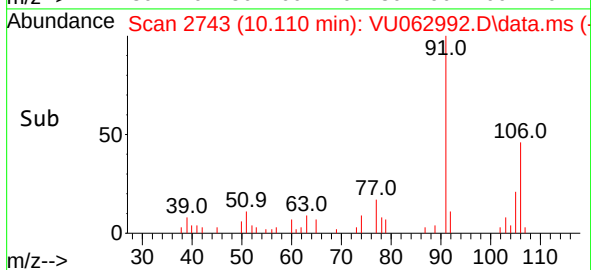
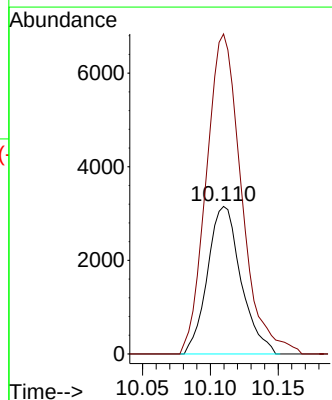
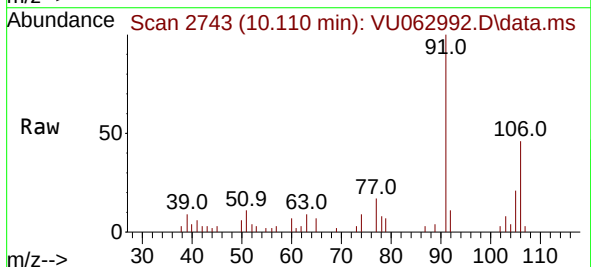
Instrument :
MSVOA_U
ClientSampleId :

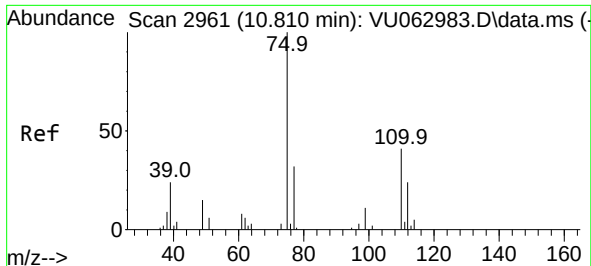
Tgt Ion:106 Resp: 17915
Ion Ratio Lower Upper
106 100
91 220.0 153.1 284.3



#54
o-Xylene
Concen: 0.405 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.019 min
Lab File: VU062992.D
Acq: 24 Jan 2025 14:49

Tgt Ion:106 Resp: 5410
Ion Ratio Lower Upper
106 100
91 216.9 160.4 297.8

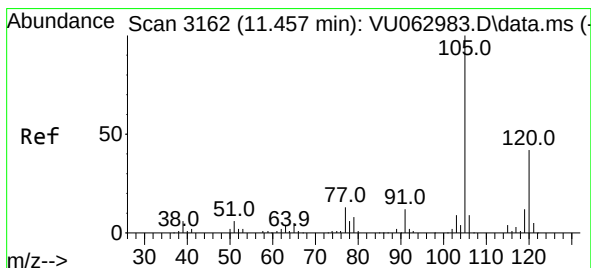
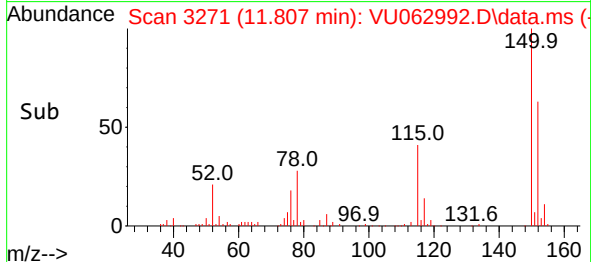
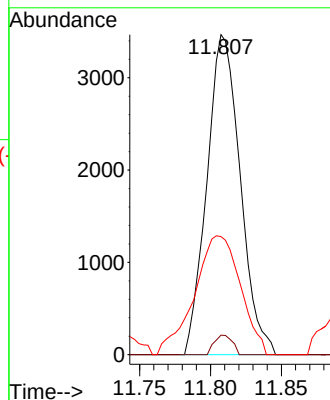
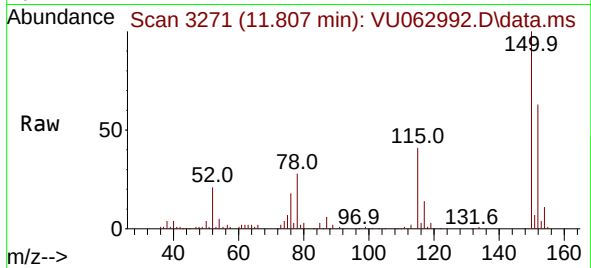




#61
1,2,3-Trichloropropane
Concen: 1.301 ug/L
RT: 11.807 min Scan# 3165
Delta R.T. 0.997 min
Lab File: VU062992.D
Acq: 24 Jan 2025 14:49

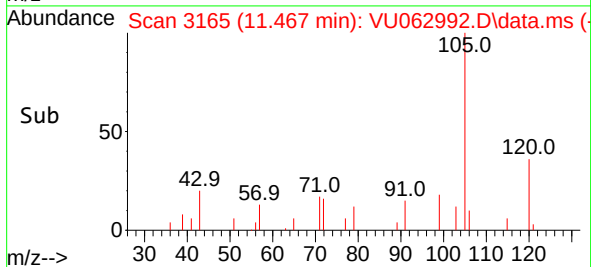
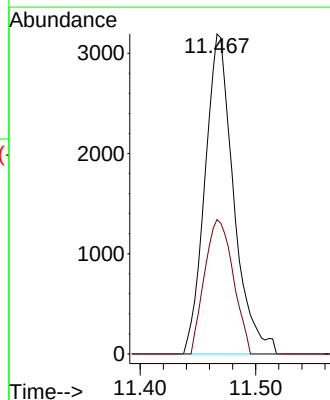
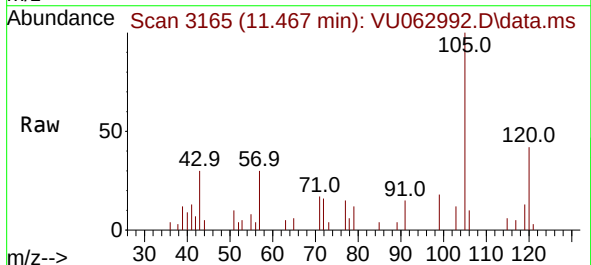
Instrument :
MSVOA_U
ClientSampleId :

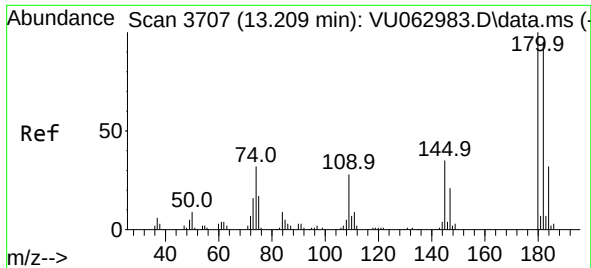
Tgt Ion: 75 Resp: 5674
Ion Ratio Lower Upper
75 100
110 3.3 33.2 49.8#
77 51.3 25.9 38.9#



#63
1,2,4-Trimethylbenzene
Concen: 0.197 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.010 min
Lab File: VU062992.D
Acq: 24 Jan 2025 14:49

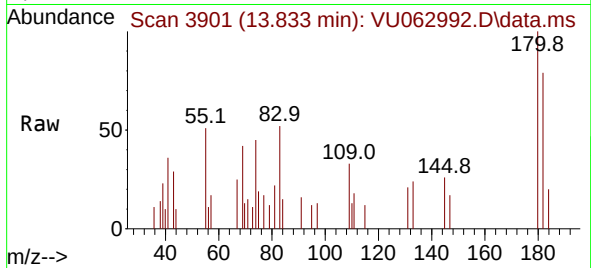
Tgt Ion: 105 Resp: 5502
Ion Ratio Lower Upper
105 100
120 41.8 34.2 51.2



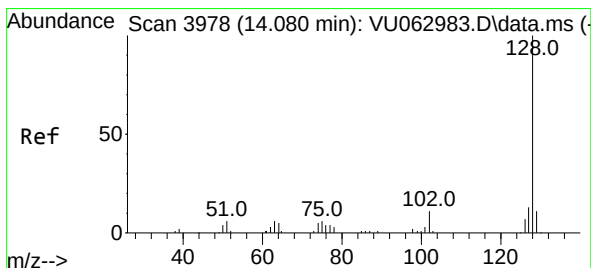
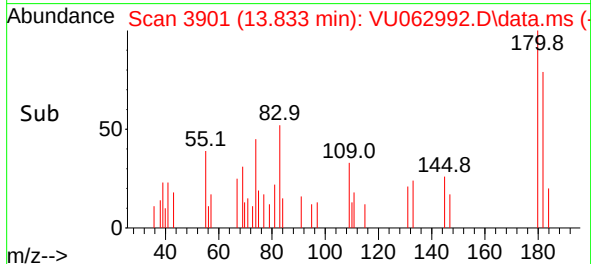
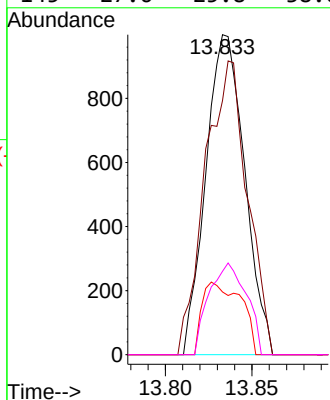


#69
1,3,5-Trichlorobenzene
Concen: 0.132 ug/L
RT: 13.833 min Scan# 3901
Delta R.T. 0.624 min
Lab File: VU062992.D
Acq: 24 Jan 2025 14:49

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 1560
Ion Ratio Lower Upper
180 100
182 99.5 75.8 113.8
184 22.6 24.7 37.1#
145 27.6 25.8 38.6



#71
Naphthalene
Concen: 0.250 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU062992.D
Acq: 24 Jan 2025 14:49

Tgt Ion:128 Resp: 3489
Ion Ratio Lower Upper
128 100
129 8.6 8.5 12.7
127 8.5 10.2 15.2#

