

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111124\
 Data File : VU061592.D
 Acq On : 11 Nov 2024 19:59
 Operator : MD/SY
 Sample : P4803-05
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 12 03:48:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 12 03:43:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	177452	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	170435	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	80984	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	38754	3.215	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.200%
7) Chloroethane-d5	1.907	69	37492	3.393	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.800%
11) 1,1-Dichloroethene-d2	2.557	65	21054	4.082	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	4.689	46	101940	41.653	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.300%
24) Chloroform-d	5.055	84	91887	4.016	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
26) 1,2-Dichloroethane-d4	5.695	65	45995	4.033	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
32) Benzene-d6	5.717	84	184857	3.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
36) 1,2-Dichloropropane-d6	6.682	67	58935	4.082	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.600%
41) Toluene-d8	7.891	98	164330	3.660	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.200%
43) trans-1,3-Dichloroprop...	8.177	79	18652	3.165	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.200%
46) 2-Hexanone-d5	8.634	63	93625	38.786	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.580%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	45884	4.202	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	63586	4.434	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
8) Chloroethane	1.930	64	2563	0.254	ug/L #	53
14) Carbon disulfide	2.782	76	3970	0.113	ug/L #	94
25) Chloroform	5.081	83	8326	0.362	ug/L	99
30) Cyclohexane	5.377	56	2844	0.136	ug/L #	96
33) Benzene	5.769	78	23675	0.449	ug/L	100
35) Methylcyclohexane	6.753	83	3613	0.158	ug/L	90
42) Toluene	7.965	91	8798	0.154	ug/L	97
51) Chlorobenzene	9.441	112	146005	4.035	ug/L	97
53) m,p-Xylene	9.688	106	8498	0.354	ug/L	90
54) o-Xylene	10.097	106	6241	0.264	ug/L	92
60) Isopropylbenzene	10.476	105	58333	0.943	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	4300	0.085	ug/L	91
63) 1,2,4-Trimethylbenzene	11.463	105	8735	0.175	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	25942	0.977	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	12056	0.492	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.965	75	883	0.521	ug/L #	2
71) Naphthalene	14.087	128	10456	0.460	ug/L #	91

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 12 03:43:56 2024
Response via : Initial Calibration

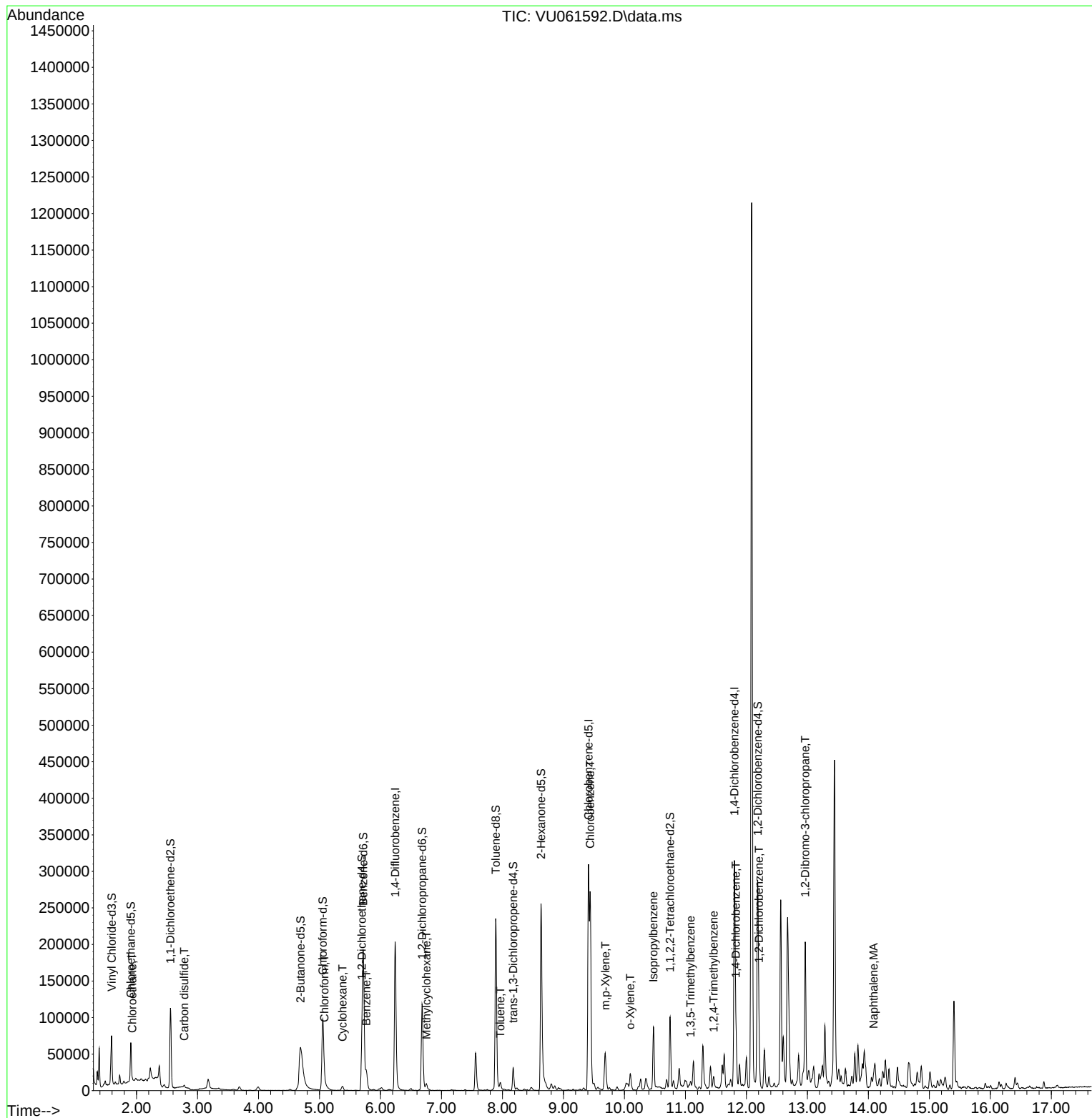
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

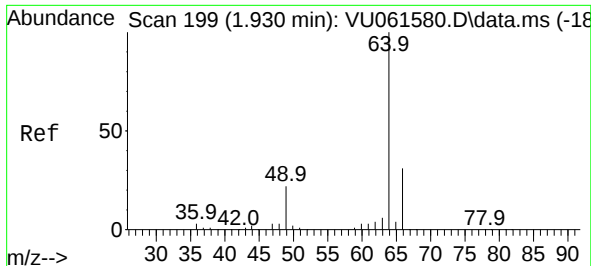
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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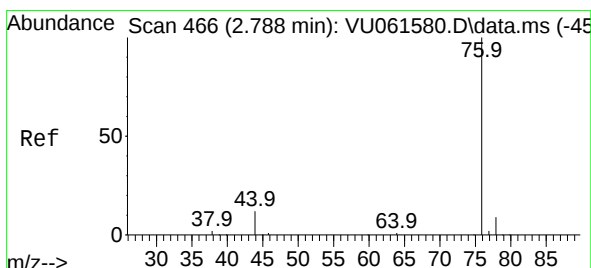
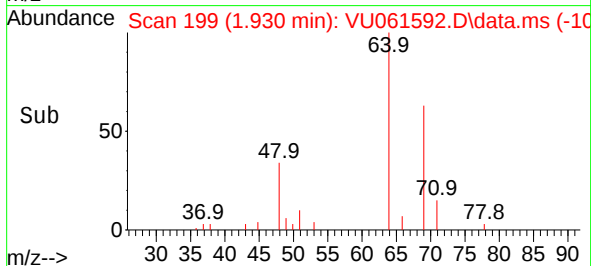
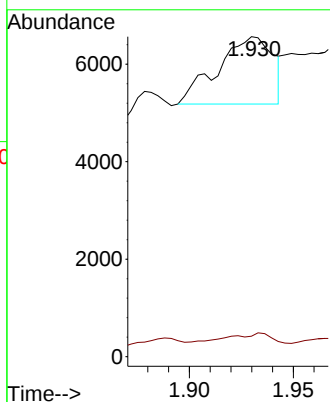
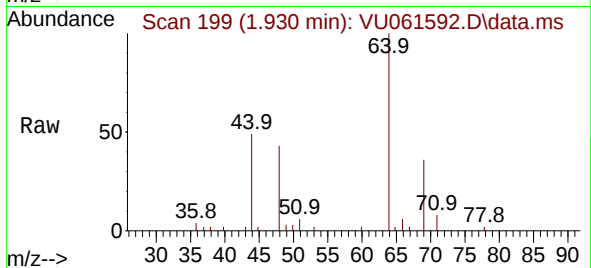




#8
Chloroethane
Concen: 0.254 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU061592.D
Acq: 11 Nov 2024 19:59

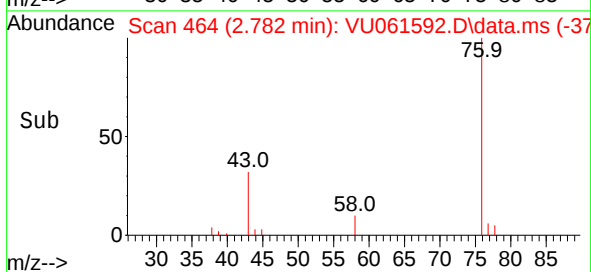
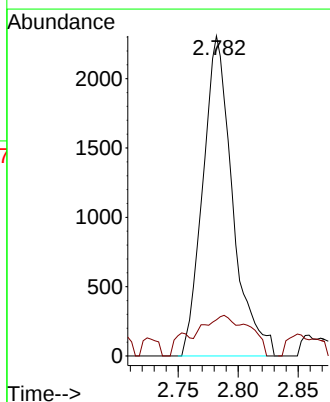
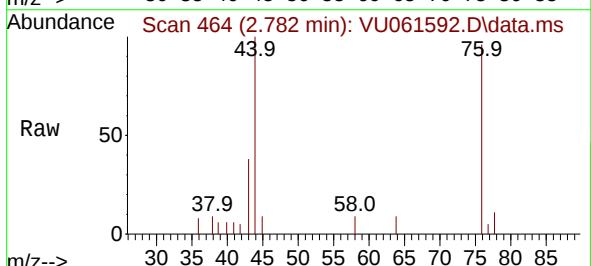
Instrument :
MSVOA_U
ClientSampleId :

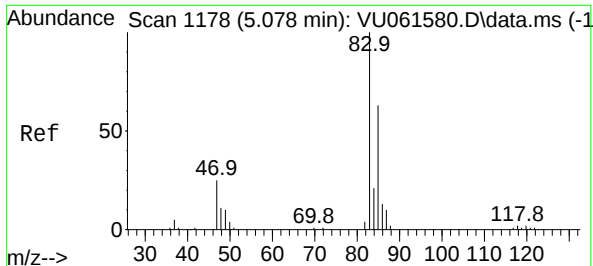
Tgt Ion: 64 Resp: 2563
Ion Ratio Lower Upper
64 100
66 6.3 23.1 42.9#



#14
Carbon disulfide
Concen: 0.113 ug/L
RT: 2.782 min Scan# 464
Delta R.T. -0.007 min
Lab File: VU061592.D
Acq: 11 Nov 2024 19:59

Tgt Ion: 76 Resp: 3970
Ion Ratio Lower Upper
76 100
78 11.3 7.4 11.2#





#25

Chloroform

Concen: 0.362 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

Instrument :

MSVOA_U

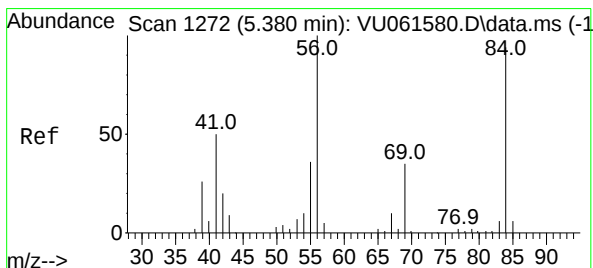
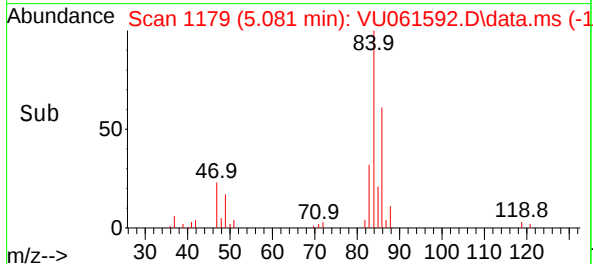
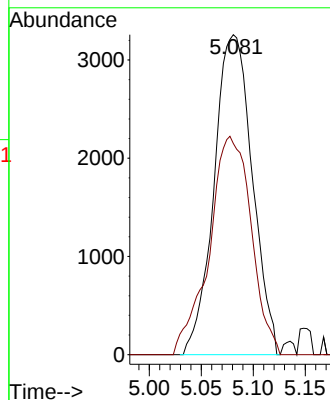
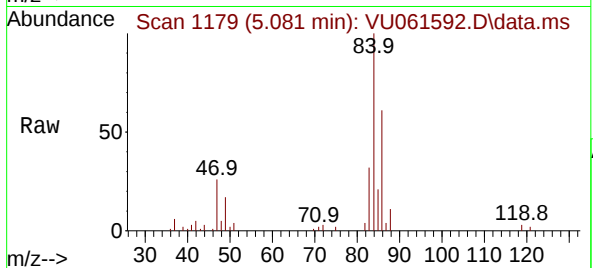
ClientSampleId :

Tgt Ion: 83 Resp: 8326

Ion Ratio Lower Upper

83 100

85 66.0 45.6 84.6



#30

Cyclohexane

Concen: 0.136 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

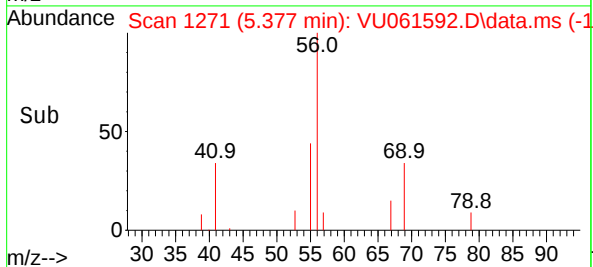
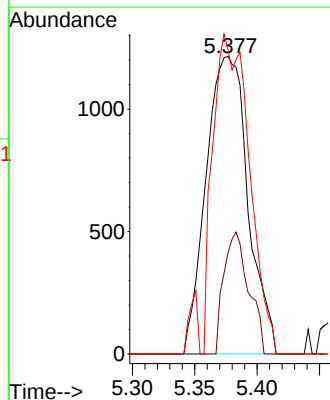
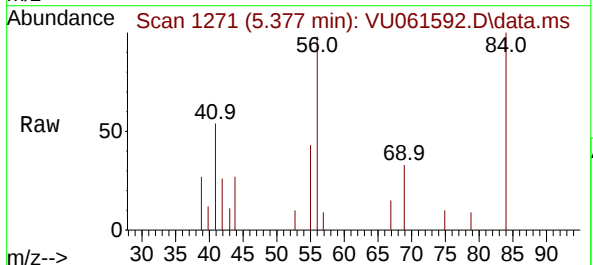
Tgt Ion: 56 Resp: 2844

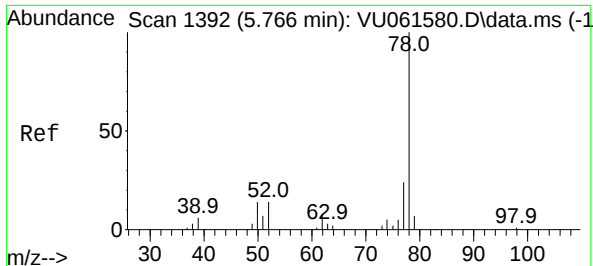
Ion Ratio Lower Upper

56 100

69 24.4 25.8 38.6#

84 93.3 73.9 110.9





#33

Benzene

Concen: 0.449 ug/L

RT: 5.769 min Scan# 1392

Delta R.T. 0.003 min

Lab File: VU061592.D

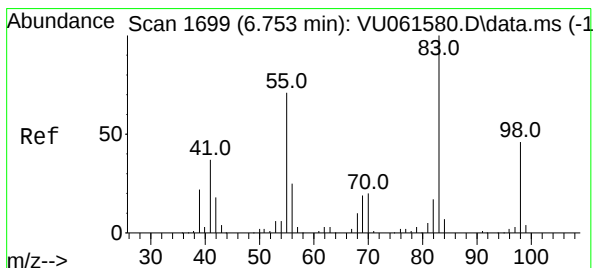
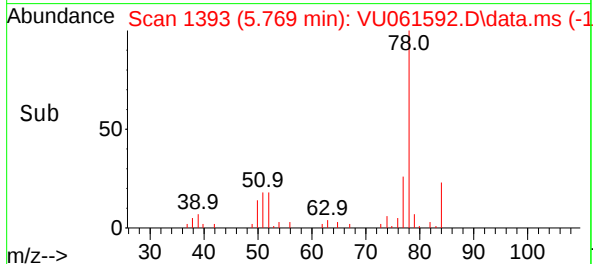
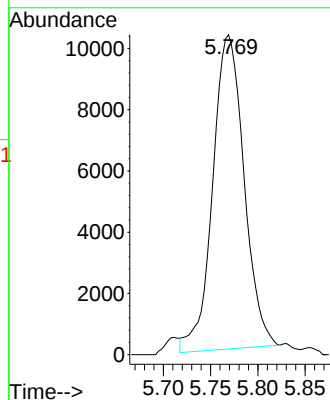
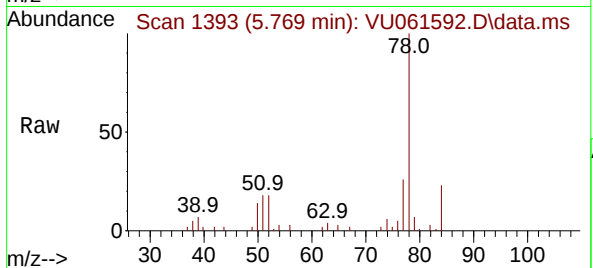
Acq: 11 Nov 2024 19:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 23675



#35

Methylcyclohexane

Concen: 0.158 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

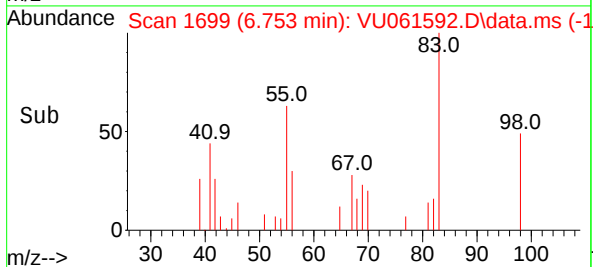
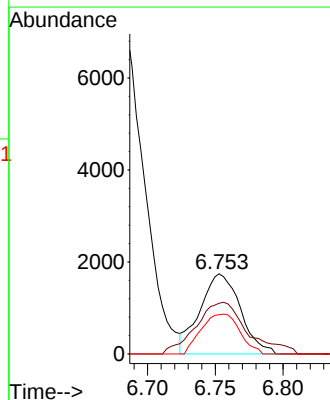
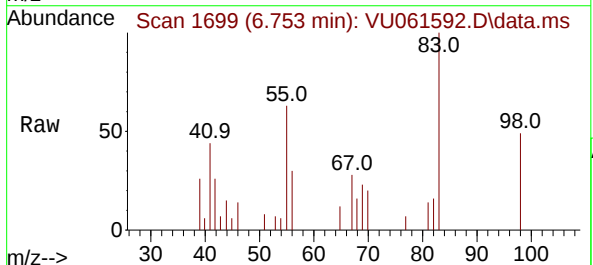
Tgt Ion: 83 Resp: 3613

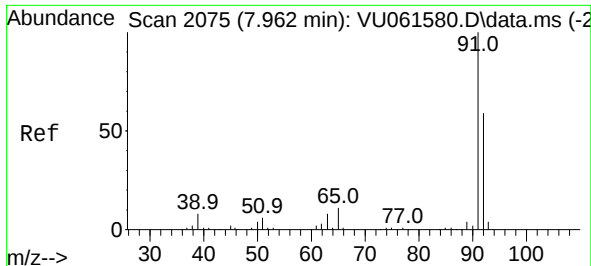
Ion Ratio Lower Upper

83 100

55 81.8 55.9 83.9

98 47.3 35.9 53.9





#42

Toluene

Concen: 0.154 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

Instrument :

MSVOA_U

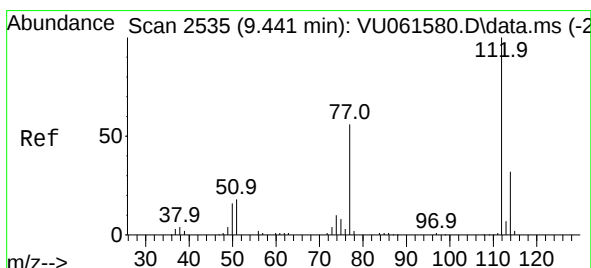
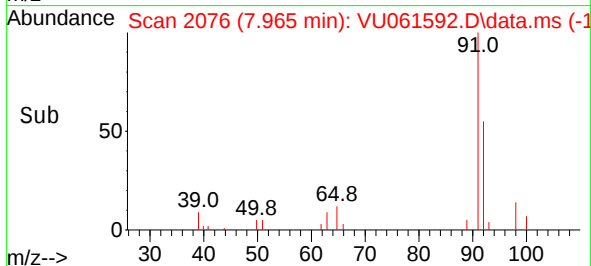
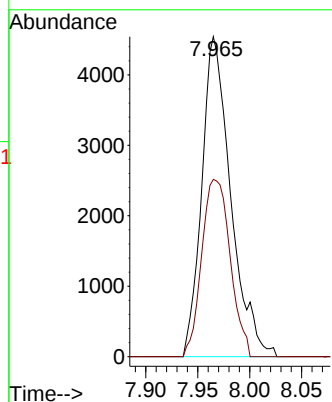
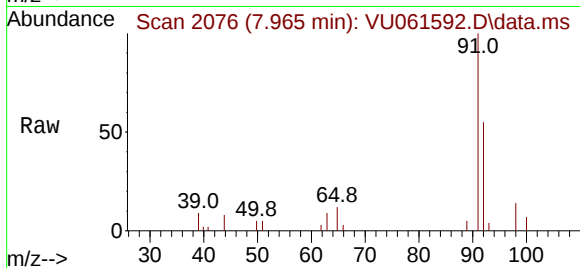
ClientSampleId :

Tgt Ion: 91 Resp: 8798

Ion Ratio Lower Upper

91 100

92 55.4 40.3 74.8



#51

Chlorobenzene

Concen: 4.035 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

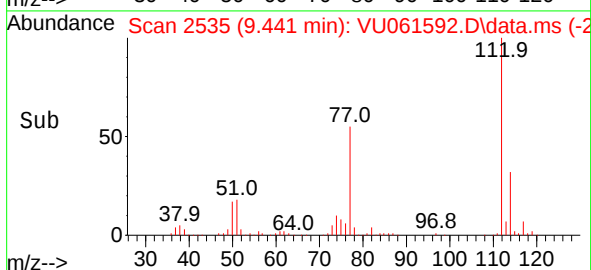
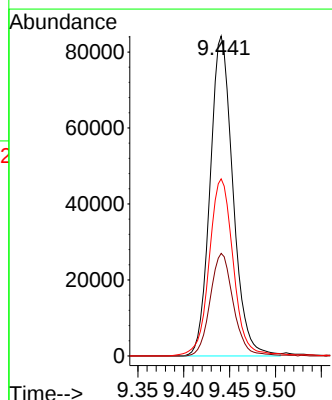
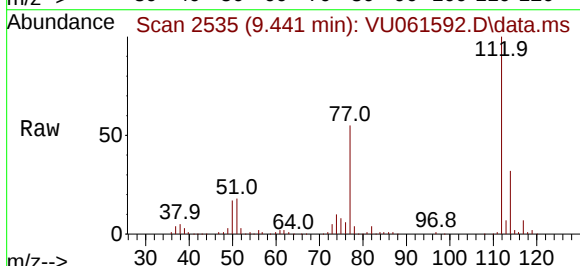
Tgt Ion: 112 Resp: 146005

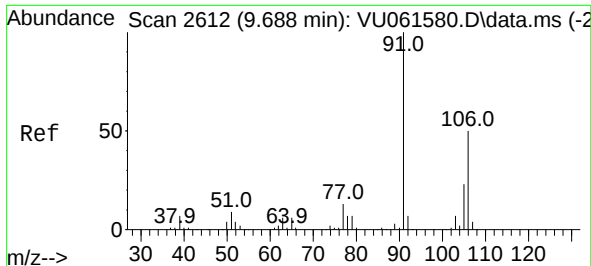
Ion Ratio Lower Upper

112 100

114 32.1 22.9 42.5

77 55.4 47.1 70.7





#53

m,p-Xylene

Concen: 0.354 ug/L

RT: 9.688 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

Instrument :

MSVOA_U

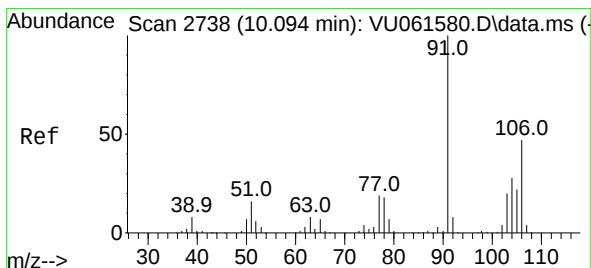
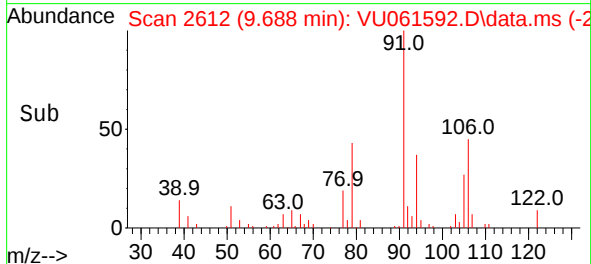
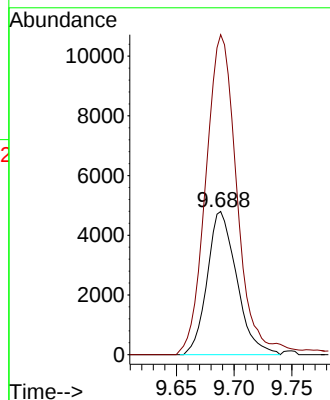
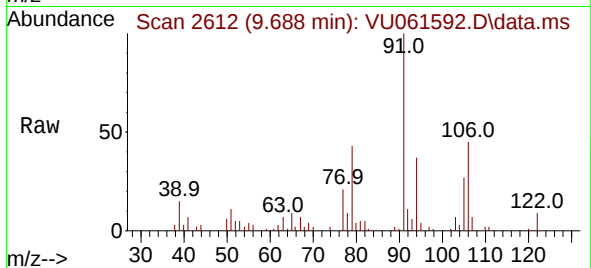
ClientSampleId :

Tgt Ion:106 Resp: 8498

Ion Ratio Lower Upper

106 100

91 223.4 145.7 270.7



#54

o-Xylene

Concen: 0.264 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.003 min

Lab File: VU061592.D

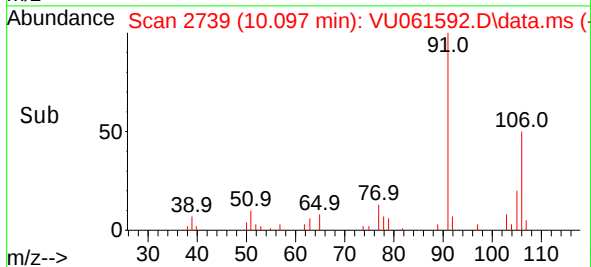
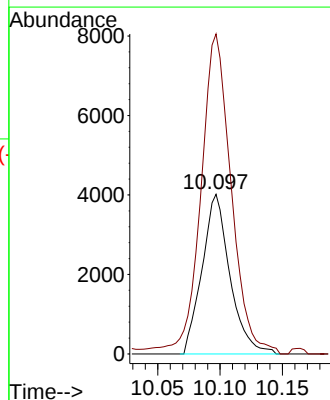
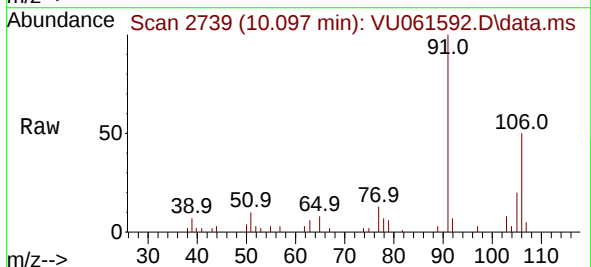
Acq: 11 Nov 2024 19:59

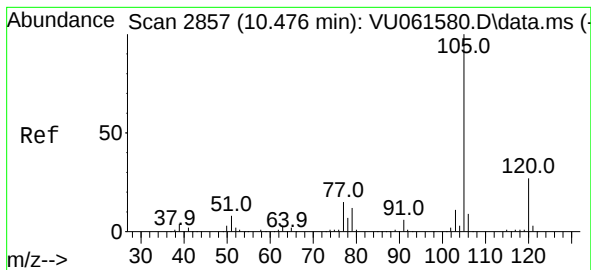
Tgt Ion:106 Resp: 6241

Ion Ratio Lower Upper

106 100

91 200.3 148.8 276.4





#60

Isopropylbenzene

Concen: 0.943 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU061592.D

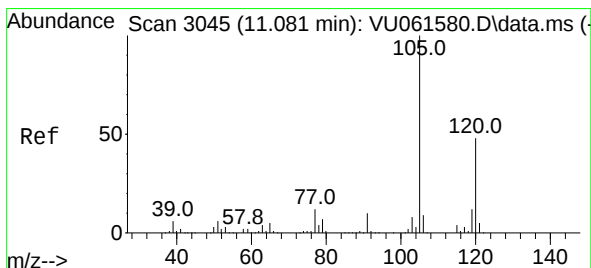
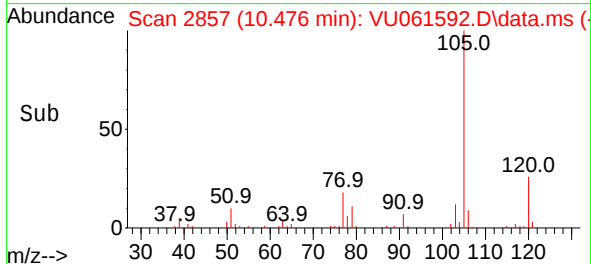
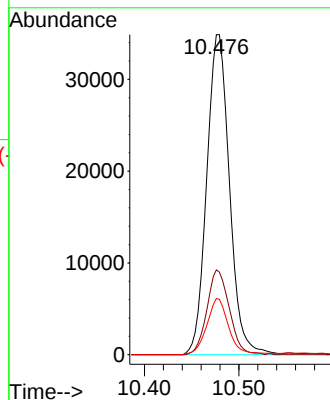
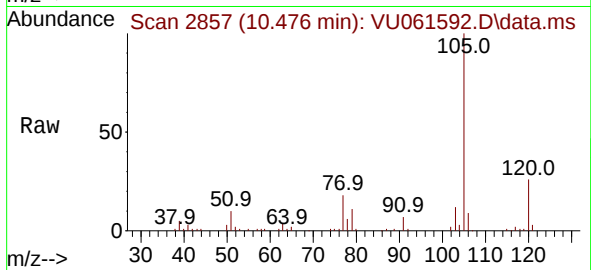
Acq: 11 Nov 2024 19:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105	Resp:	58333
Ion Ratio	Lower	Upper
105	100	
120	26.0	31.8
77	17.0	19.0



#62

1,3,5-Trimethylbenzene

Concen: 0.085 ug/L

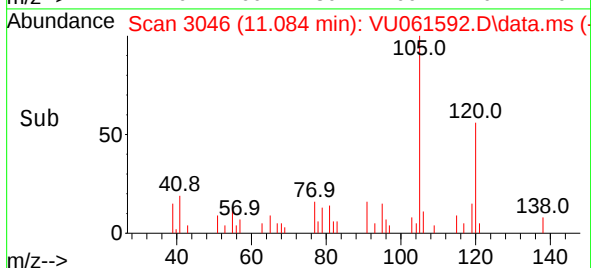
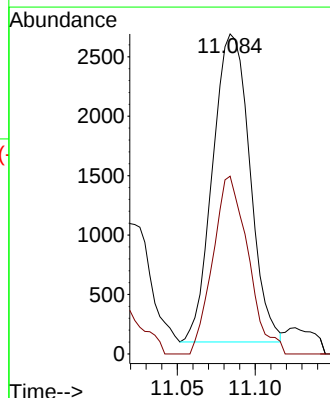
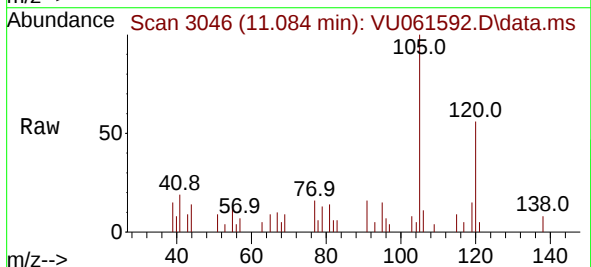
RT: 11.084 min Scan# 3046

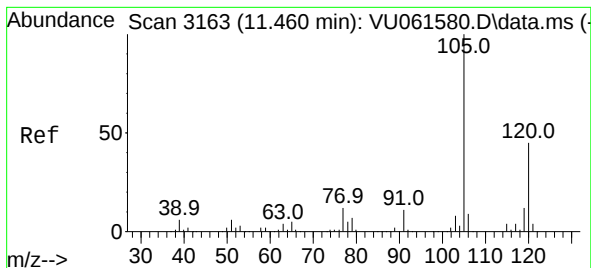
Delta R.T. 0.003 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

Tgt Ion:105	Resp:	4300
Ion Ratio	Lower	Upper
105	100	
120	54.6	58.1





#63

1,2,4-Trimethylbenzene

Concen: 0.175 ug/L

RT: 11.463 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

Instrument :

MSVOA_U

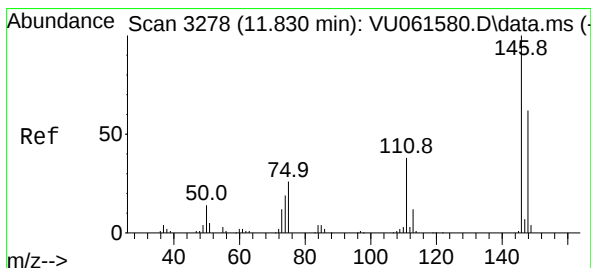
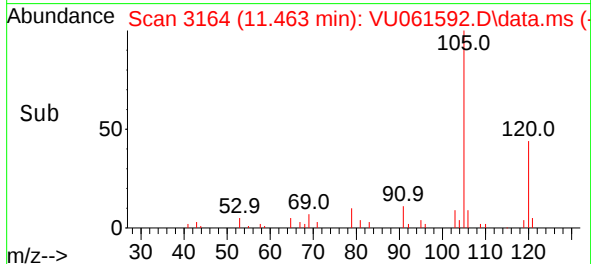
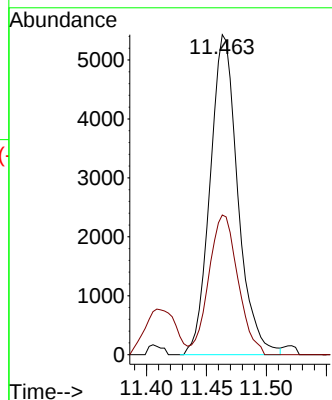
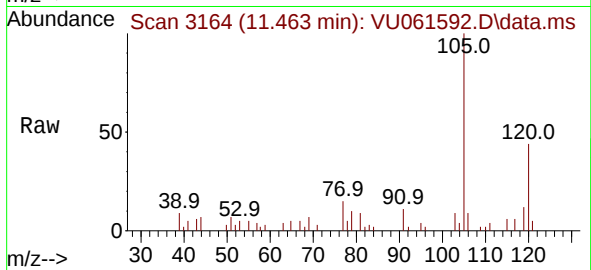
ClientSampleId :

Tgt Ion:105 Resp: 8735

Ion Ratio Lower Upper

105 100

120 45.9 35.4 53.0



#65

1,4-Dichlorobenzene

Concen: 0.977 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

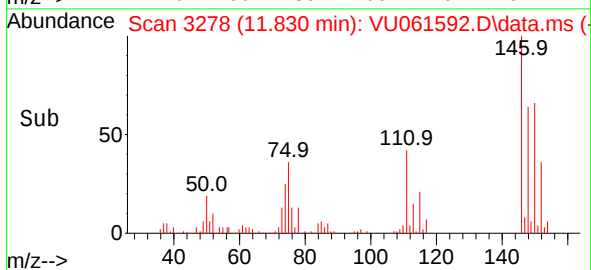
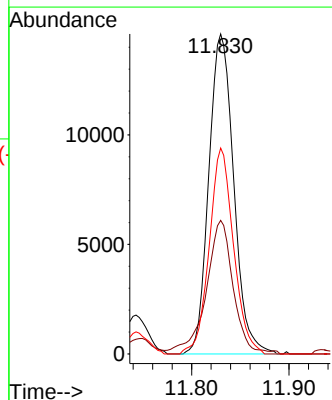
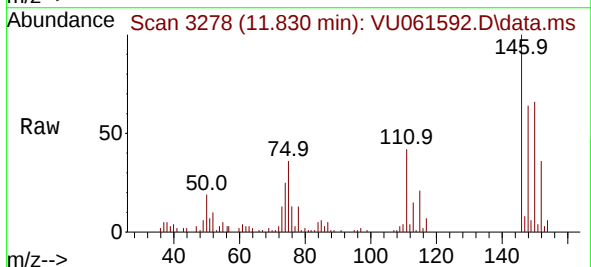
Tgt Ion:146 Resp: 25942

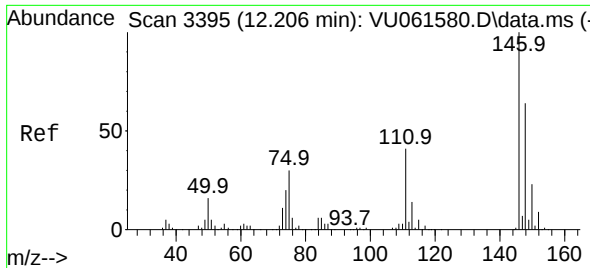
Ion Ratio Lower Upper

146 100

111 41.7 28.2 52.4

148 64.3 43.3 80.3





#67

1,2-Dichlorobenzene

Concen: 0.492 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

Instrument :

MSVOA_U

ClientSampleId :

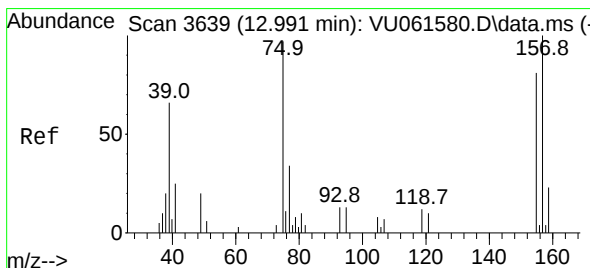
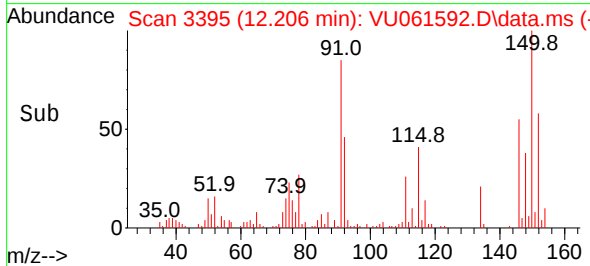
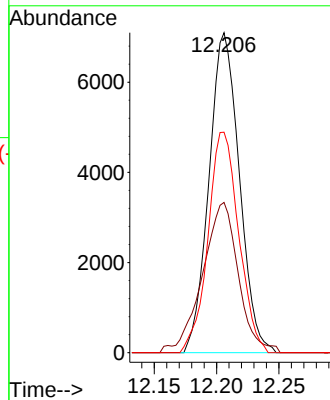
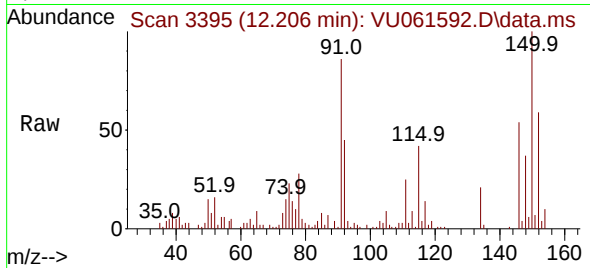
Tgt Ion:146 Resp: 12056

Ion Ratio Lower Upper

146 100

111 46.9 35.2 52.8

148 68.9 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 0.521 ug/L

RT: 12.965 min Scan# 3631

Delta R.T. -0.026 min

Lab File: VU061592.D

Acq: 11 Nov 2024 19:59

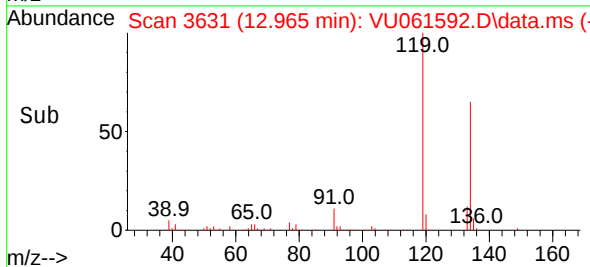
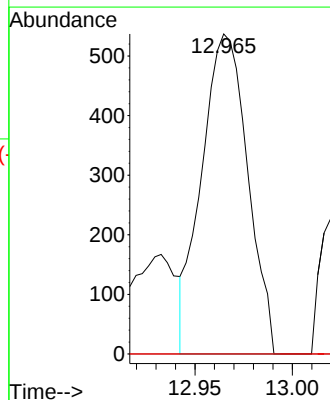
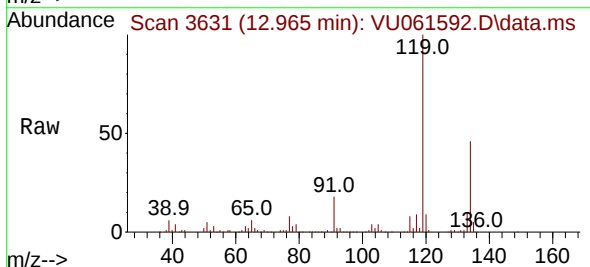
Tgt Ion: 75 Resp: 883

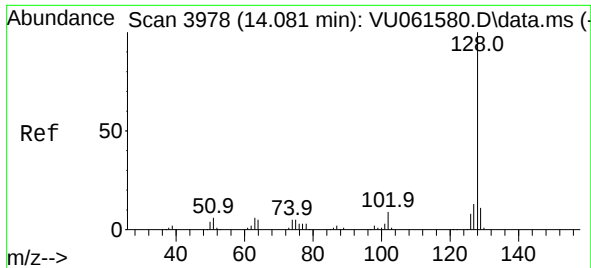
Ion Ratio Lower Upper

75 100

155 0.0 69.3 103.9#

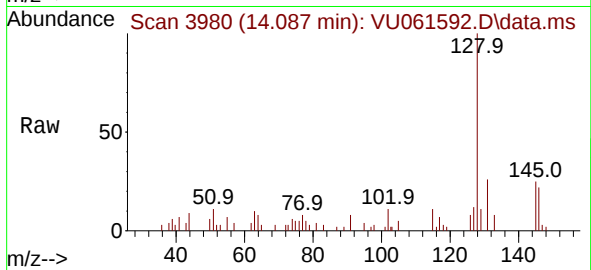
157 0.0 81.4 122.2#





#71
 Naphthalene
 Concen: 0.460 ug/L
 RT: 14.087 min Scan# 3980
 Delta R.T. 0.006 min
 Lab File: VU061592.D
 Acq: 11 Nov 2024 19:59

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	10456
Ion	Ratio	Lower	Upper
128	100		
129	16.0	9.0	13.4#
127	14.5	10.0	15.0

