

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111624\
 Data File : VU061761.D
 Acq On : 16 Nov 2024 22:56
 Operator : MD/SY
 Sample : P4803-06
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 18 04:20:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 18 04:15:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	166180	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	157706	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	75602	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	40974	3.816	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.400%
7) Chloroethane-d5	1.904	69	35610	3.885	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.557	65	18426	3.825	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.400%
20) 2-Butanone-d5	4.650	46	96921	42.528	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.060%
24) Chloroform-d	5.052	84	89089	4.174	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
26) 1,2-Dichloroethane-d4	5.695	65	45880	4.480	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.718	84	185667	4.256	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	6.682	67	57413	4.462	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.891	98	163882	4.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	8.174	79	17606	3.714	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.200%
46) 2-Hexanone-d5	8.627	63	81613	43.574	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.140%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	46186	4.553	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	63176	4.692	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.512	50	5541	0.495	ug/L	100
5) Vinyl chloride	1.596	62	3582	0.290	ug/L	87
15) Methyl Acetate	3.026	43	1291	0.360	ug/L #	47
16) Methylene chloride	3.039	84	1737	0.150	ug/L	98
19) 1,1-Dichloroethane	3.859	63	6150	0.307	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	2708	0.218	ug/L	96
27) 1,2-Dichloroethane	5.788	62	15410	1.161	ug/L	100
30) Cyclohexane	5.380	56	5537	0.309	ug/L	98
33) Benzene	5.769	78	51323	1.075	ug/L	100
35) Methylcyclohexane	6.750	83	2655	0.137	ug/L #	86
37) 1,2-Dichloropropane	6.682	63	6550	0.541	ug/L #	95
42) Toluene	7.965	91	10140	0.197	ug/L	94
51) Chlorobenzene	9.438	112	827672	25.021	ug/L	100
53) m,p-Xylene	9.688	106	2221	0.106	ug/L	83
60) Isopropylbenzene	10.479	105	8747	0.167	ug/L #	86
62) 1,3,5-Trimethylbenzene	11.888	105	4505	0.107	ug/L	88
63) 1,2,4-Trimethylbenzene	11.463	105	3074	0.075	ug/L	89
64) 1,3-Dichlorobenzene	11.830	146	76408	3.178	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	76408	3.130	ug/L	97

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Misc : 25mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

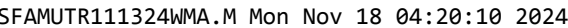
Instrument :
MSVOA_U
ClientSampleId :

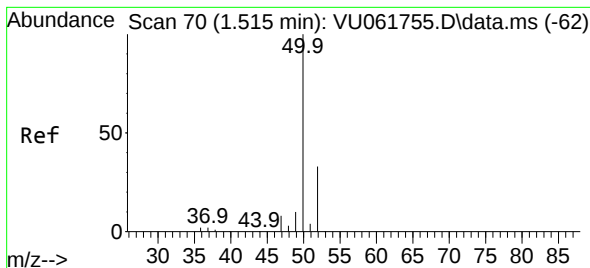
Quant Time: Nov 18 04:20:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 18 04:15:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.203	146	16517	0.739	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.962	75	353	0.284	ug/L #	3
71) Naphthalene	14.087	128	17713	0.948	ug/L #	96

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

Quant Time: Nov 18 04:20:00 2024
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#3

Chloromethane

Concen: 0.495 ug/L

RT: 1.512 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU061761.D

Acq: 16 Nov 2024 22:56

Instrument :

MSVOA_U

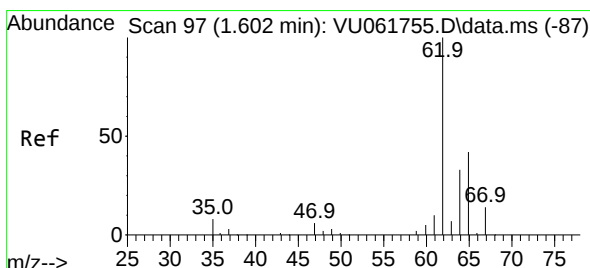
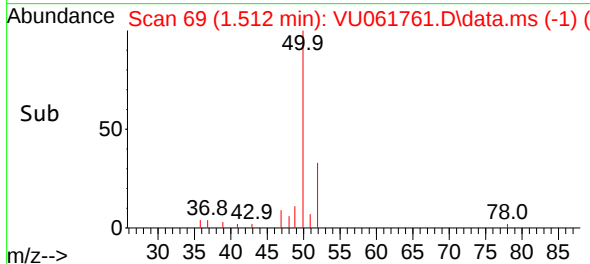
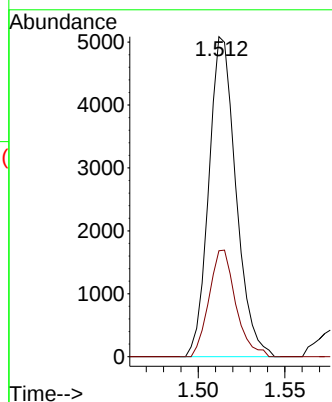
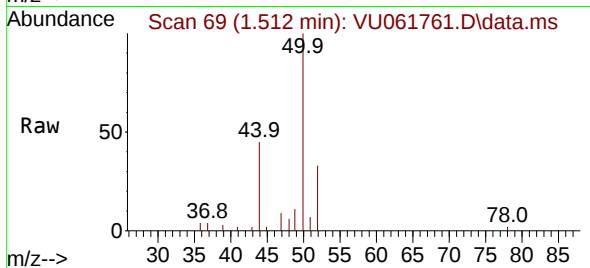
ClientSampleId :

Tgt Ion: 50 Resp: 5541

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.2



#5

Vinyl chloride

Concen: 0.290 ug/L

RT: 1.596 min Scan# 95

Delta R.T. -0.006 min

Lab File: VU061761.D

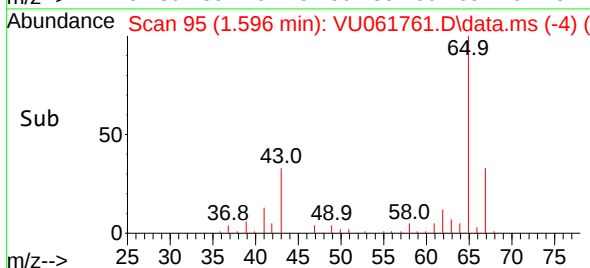
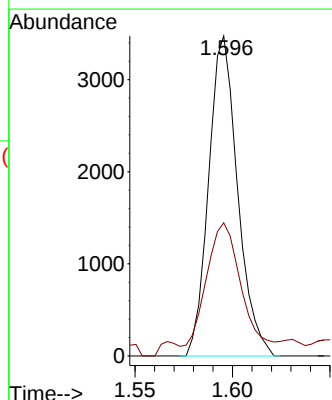
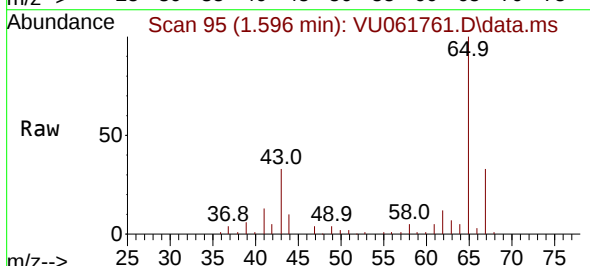
Acq: 16 Nov 2024 22:56

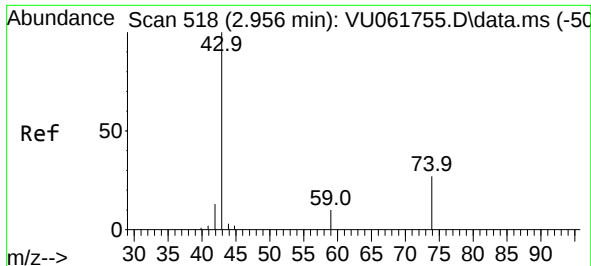
Tgt Ion: 62 Resp: 3582

Ion Ratio Lower Upper

62 100

64 41.6 23.7 44.1

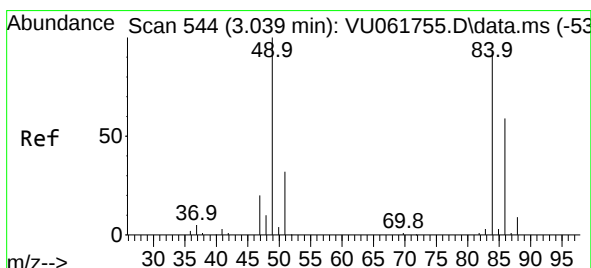
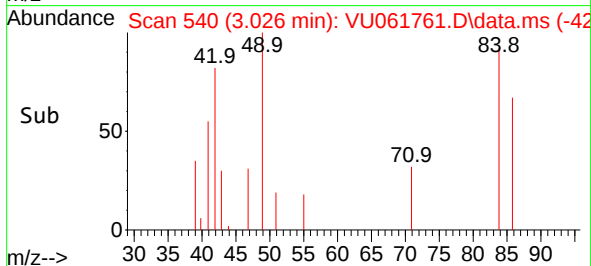
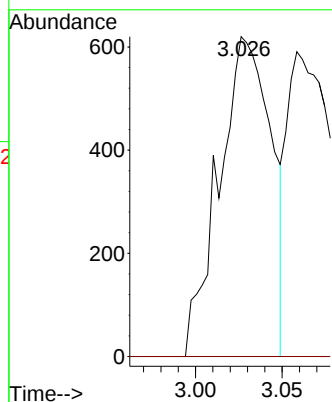
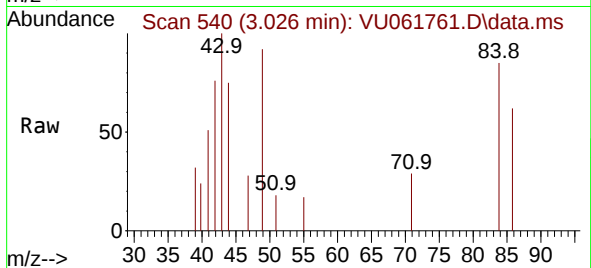




#15
Methyl Acetate
Concen: 0.360 ug/L
RT: 3.026 min Scan# 540
Delta R.T. 0.071 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

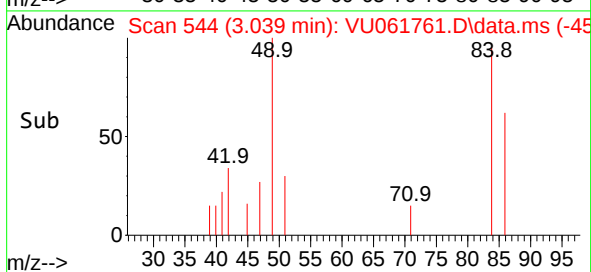
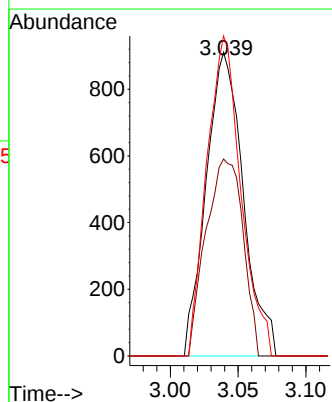
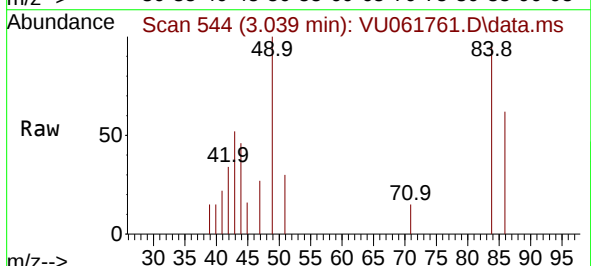
Instrument :
MSVOA_U
ClientSampleId :

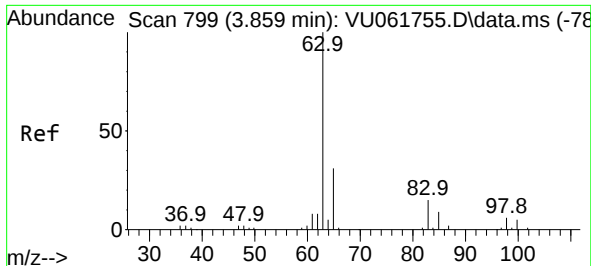
Tgt Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
74 0.0 22.5 33.7#



#16
Methylene chloride
Concen: 0.150 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

Tgt Ion: 84 Resp: 1737
Ion Ratio Lower Upper
84 100
86 64.9 45.1 83.7
49 105.4 76.3 141.7





#19

1,1-Dichloroethane

Concen: 0.307 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU061761.D

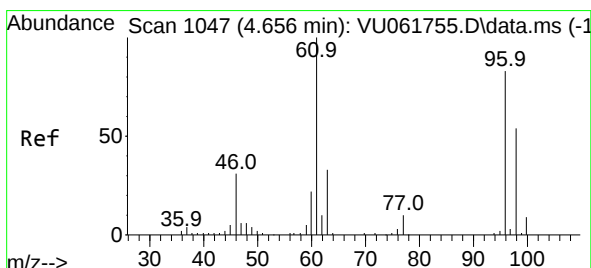
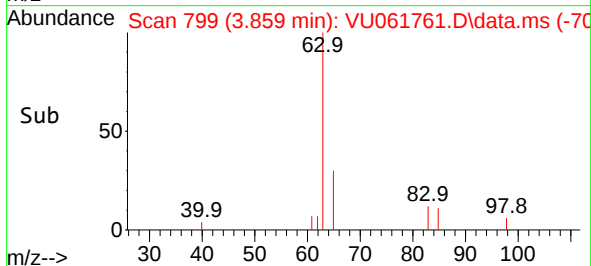
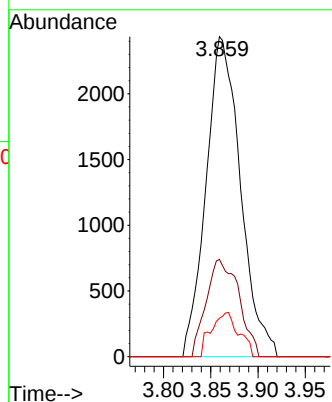
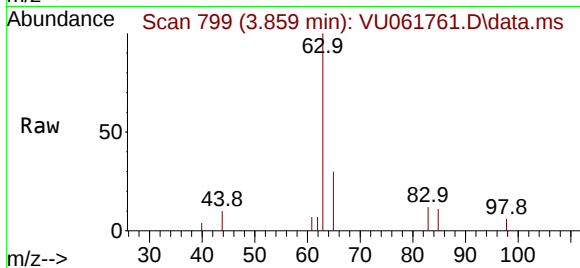
Acq: 16 Nov 2024 22:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 6150		
Ion Ratio	Lower	Upper	
63 100			
65 30.4	23.4	43.4	
83 12.0	9.6	17.8	



#22

cis-1,2-Dichloroethene

Concen: 0.218 ug/L

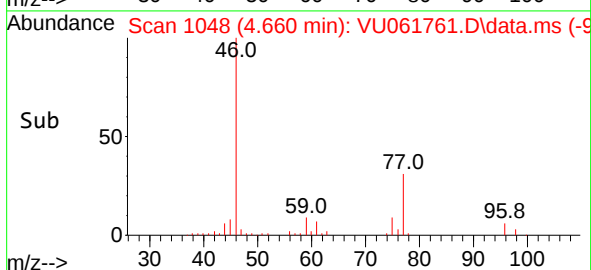
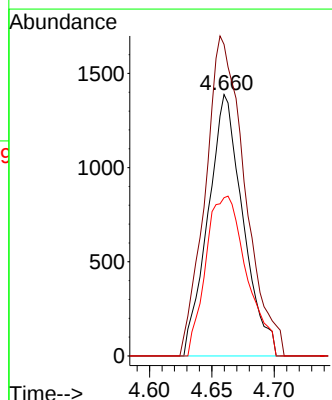
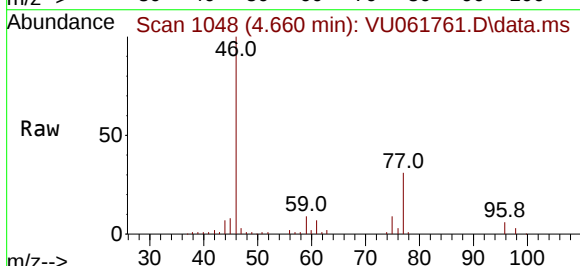
RT: 4.660 min Scan# 1048

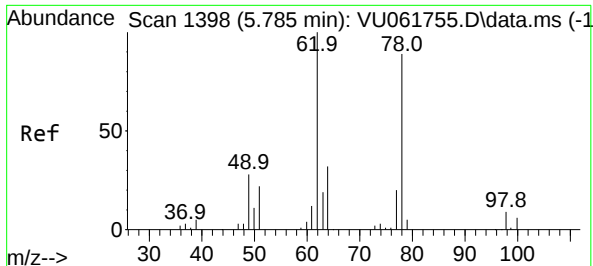
Delta R.T. 0.003 min

Lab File: VU061761.D

Acq: 16 Nov 2024 22:56

Tgt Ion: 96	Resp: 2708		
Ion Ratio	Lower	Upper	
96 100			
61 119.2	85.6	159.0	
98 60.5	45.6	84.8	





#27

1,2-Dichloroethane

Concen: 1.161 ug/L

RT: 5.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU061761.D

Acq: 16 Nov 2024 22:56

Instrument :

MSVOA_U

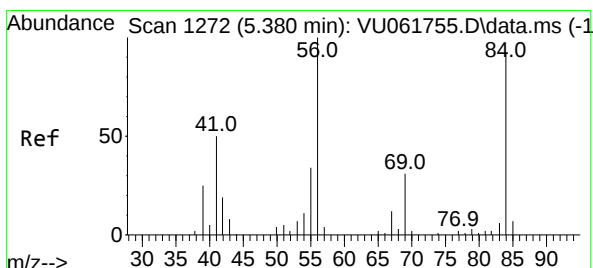
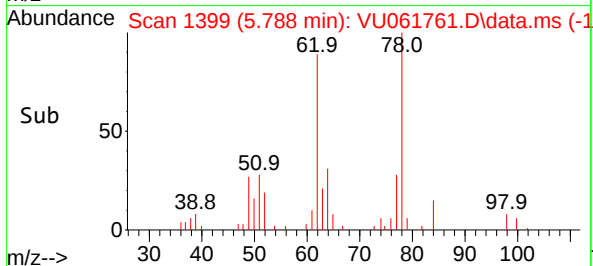
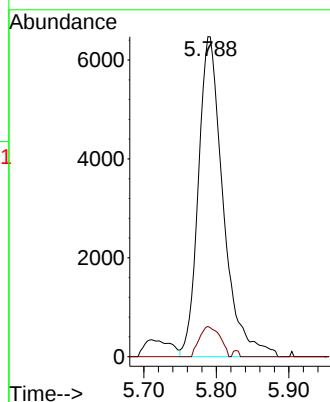
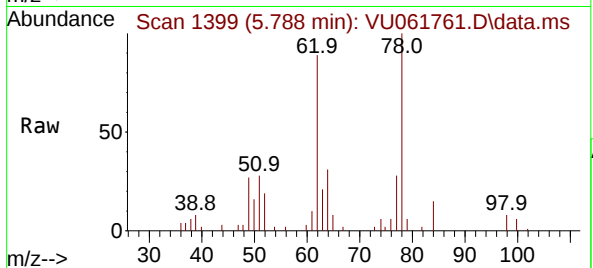
ClientSampleId :

Tgt Ion: 62 Resp: 15410

Ion Ratio Lower Upper

62 100

98 9.5 7.7 11.5



#30

Cyclohexane

Concen: 0.309 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VU061761.D

Acq: 16 Nov 2024 22:56

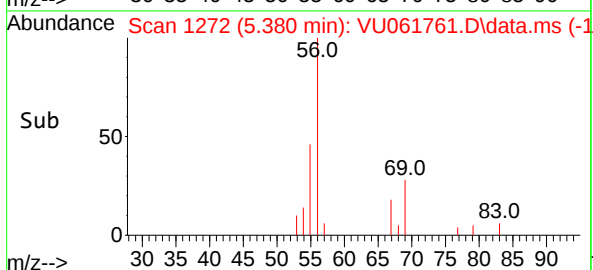
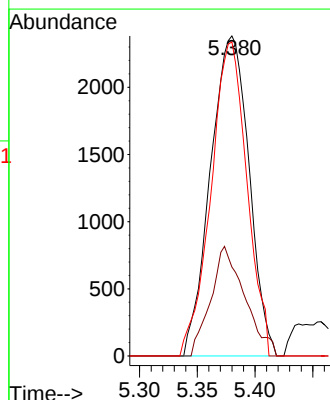
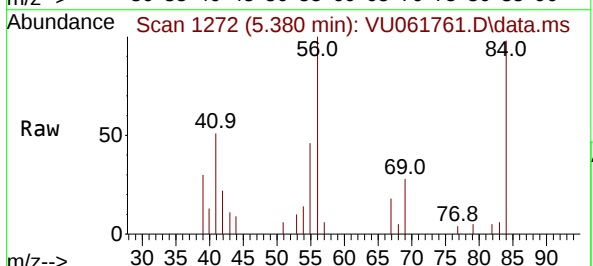
Tgt Ion: 56 Resp: 5537

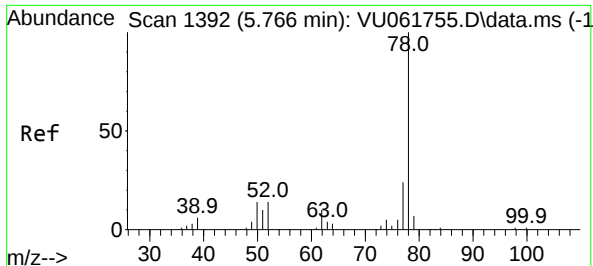
Ion Ratio Lower Upper

56 100

69 30.3 25.6 38.4

84 91.4 74.3 111.5

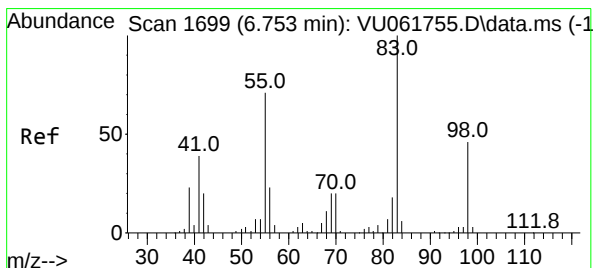
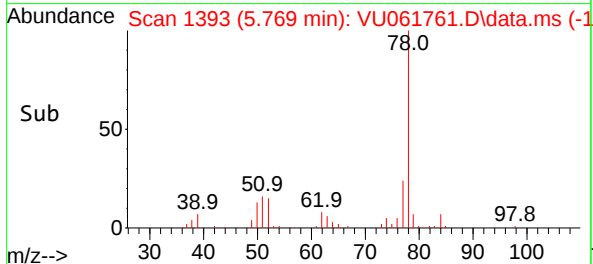
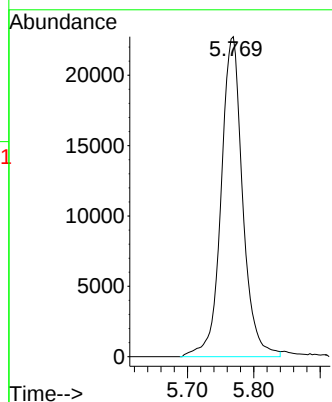
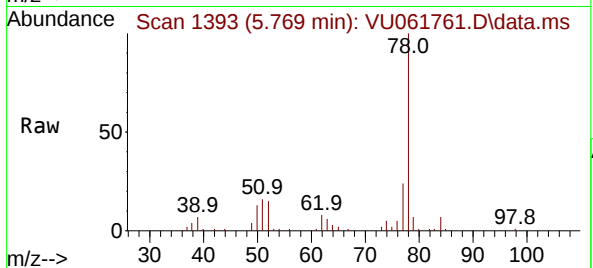




#33
Benzene
Concen: 1.075 ug/L
RT: 5.769 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

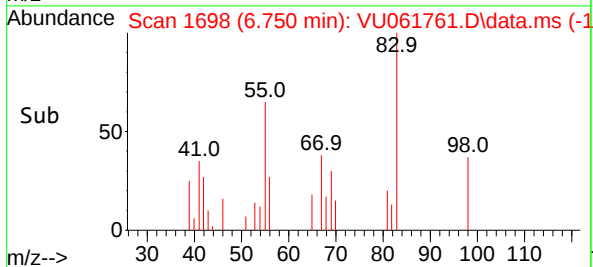
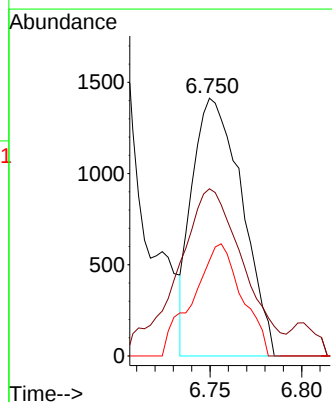
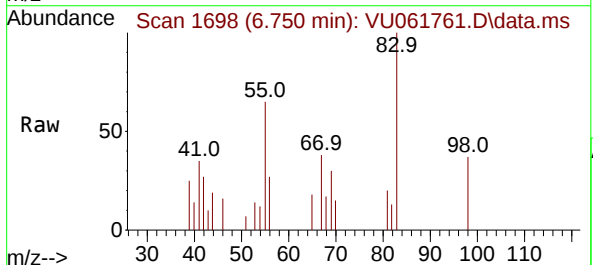
Instrument :
MSVOA_U
ClientSampleId :

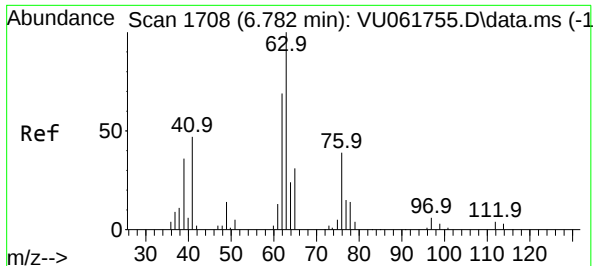
Tgt Ion: 78 Resp: 51323



#35
Methylcyclohexane
Concen: 0.137 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

Tgt Ion: 83 Resp: 2655
Ion Ratio Lower Upper
83 100
55 86.9 56.4 84.6#
98 42.9 37.7 56.5

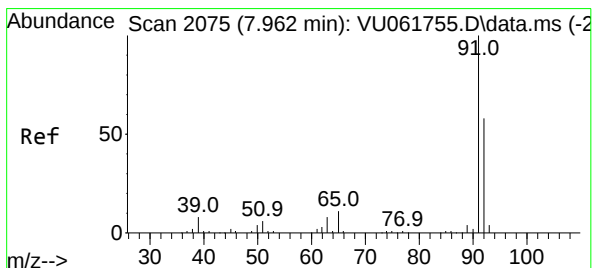
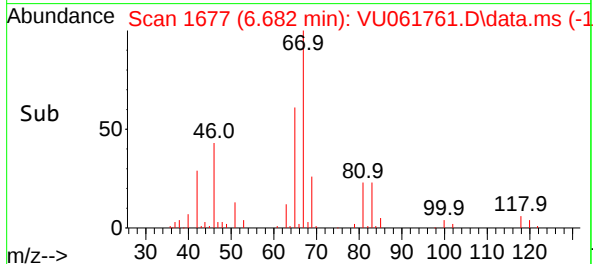
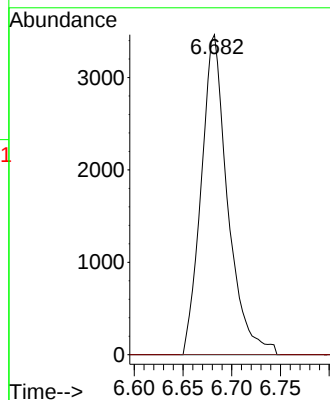
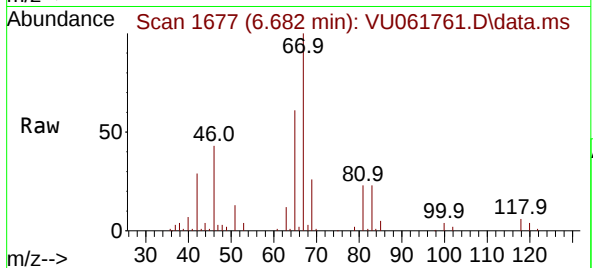




#37
1,2-Dichloropropane
Concen: 0.541 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

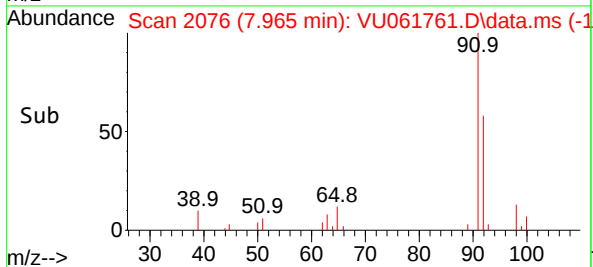
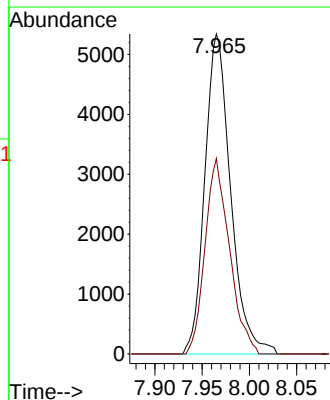
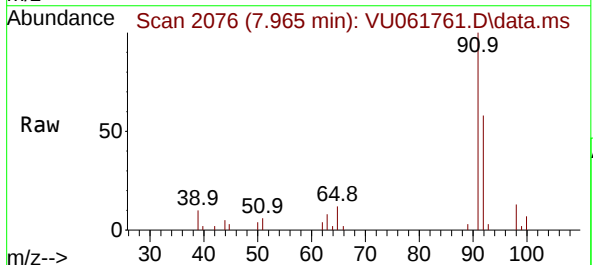
Instrument :
MSVOA_U
ClientSampleId :

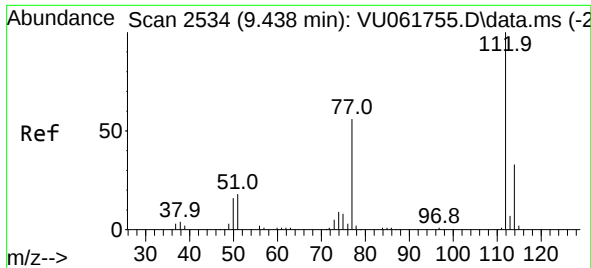
Tgt Ion: 63 Resp: 6550
Ion Ratio Lower Upper
63 100
112 2.0 3.0 4.4#



#42
Toluene
Concen: 0.197 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

Tgt Ion: 91 Resp: 10140
Ion Ratio Lower Upper
91 100
92 61.1 39.7 73.7

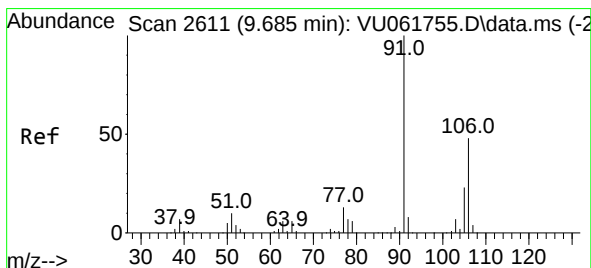
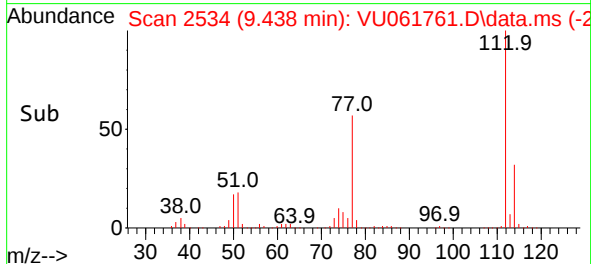
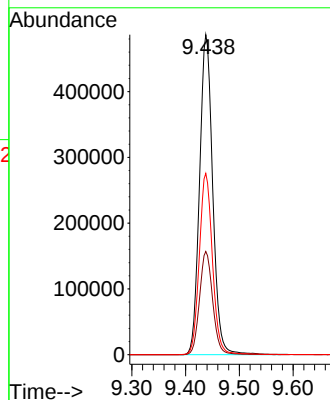
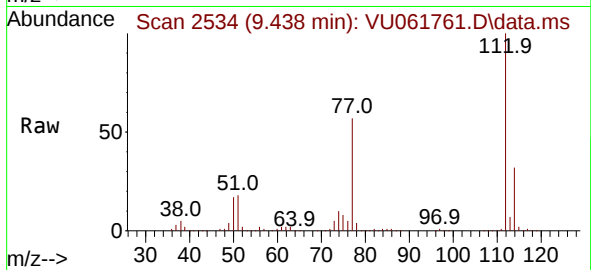




#51
Chlorobenzene
Concen: 25.021 ug/L
RT: 9.438 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

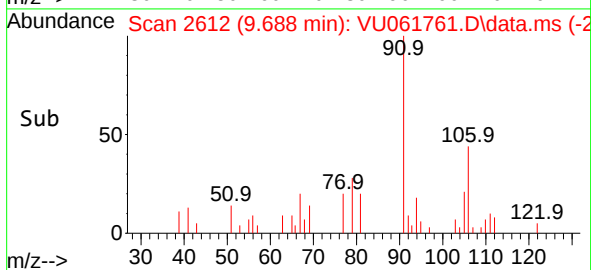
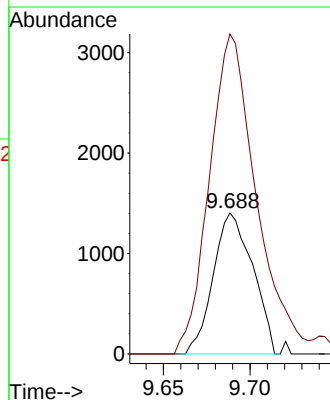
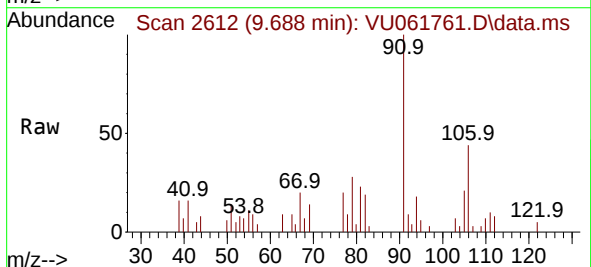
Instrument :
MSVOA_U
ClientSampleId :

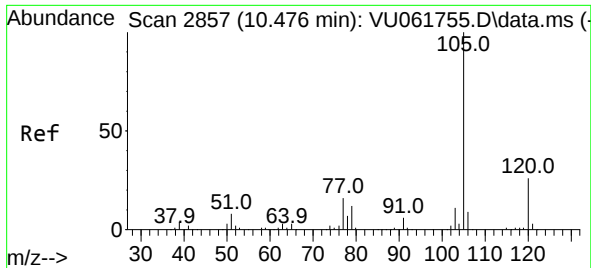
Tgt Ion:112 Resp: 827672
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 56.7 45.3 67.9



#53
m,p-Xylene
Concen: 0.106 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

Tgt Ion:106 Resp: 2221
Ion Ratio Lower Upper
106 100
91 227.1 140.4 260.8

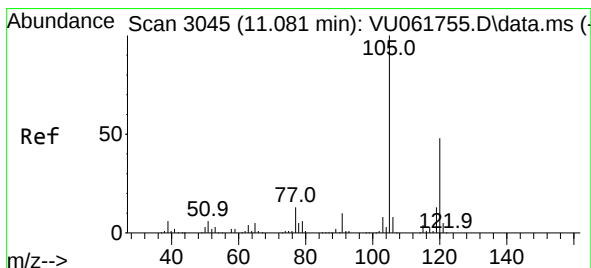
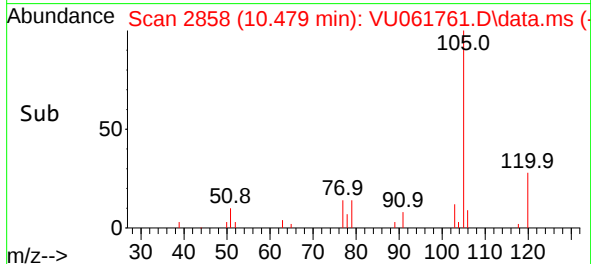
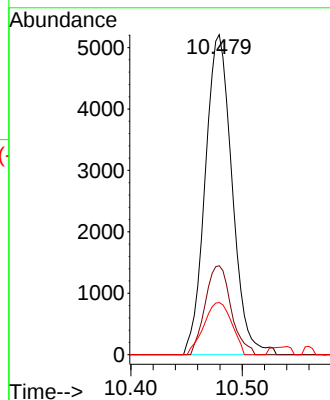
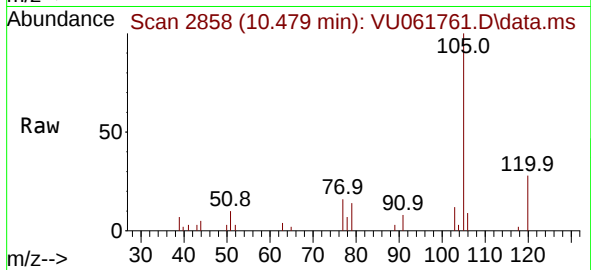




#60
Isopropylbenzene
Concen: 0.167 ug/L
RT: 10.479 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

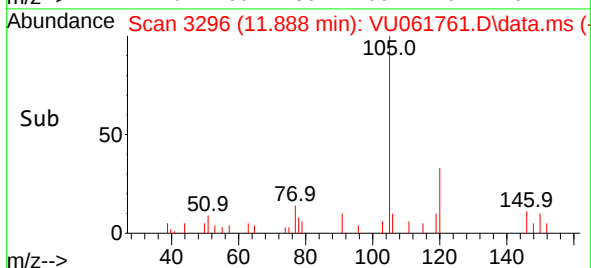
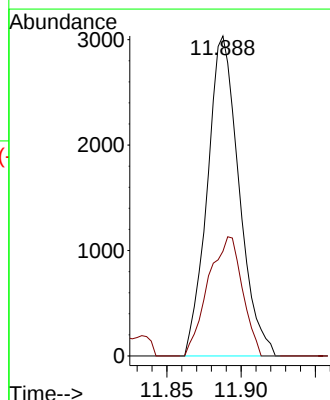
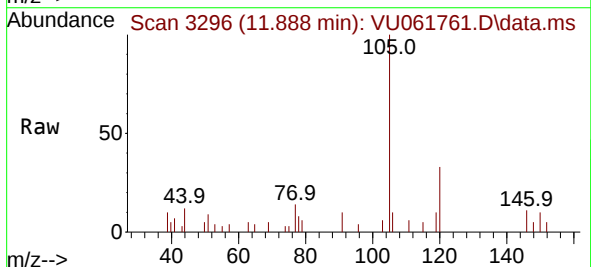
Instrument :
MSVOA_U
ClientSampleId :

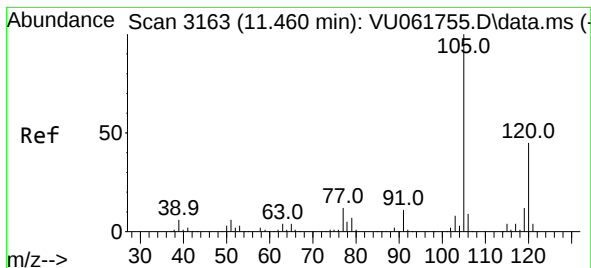
Tgt Ion:105 Resp: 8747
Ion Ratio Lower Upper
105 100
120 26.7 21.6 32.4
77 0.0 12.8 19.2#



#62
1,3,5-Trimethylbenzene
Concen: 0.107 ug/L
RT: 11.888 min Scan# 3296
Delta R.T. 0.807 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

Tgt Ion:105 Resp: 4505
Ion Ratio Lower Upper
105 100
120 40.2 38.5 57.7





#63

1,2,4-Trimethylbenzene

Concen: 0.075 ug/L

RT: 11.463 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU061761.D

Acq: 16 Nov 2024 22:56

Instrument :

MSVOA_U

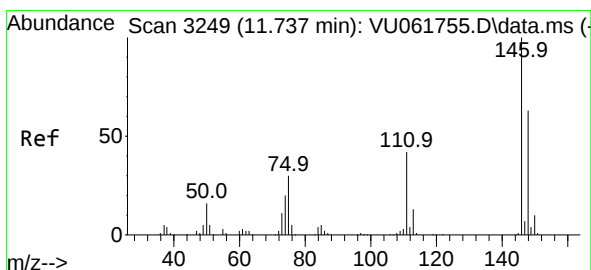
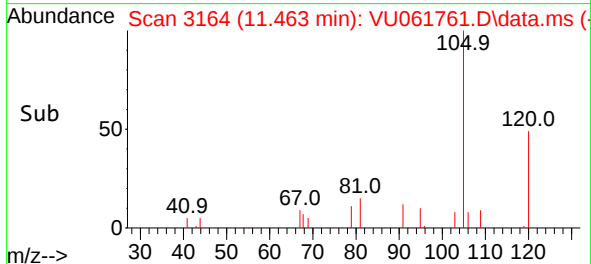
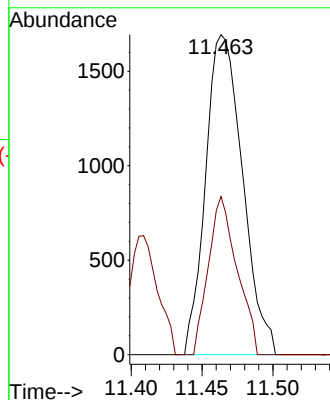
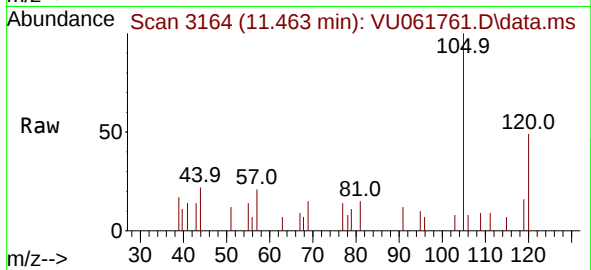
ClientSampleId :

Tgt Ion:105 Resp: 3074

Ion Ratio Lower Upper

105 100

120 38.3 36.3 54.5



#64

1,3-Dichlorobenzene

Concen: 3.178 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.093 min

Lab File: VU061761.D

Acq: 16 Nov 2024 22:56

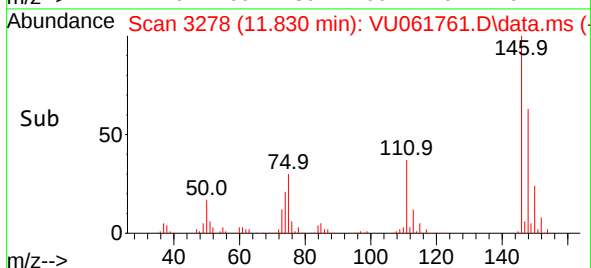
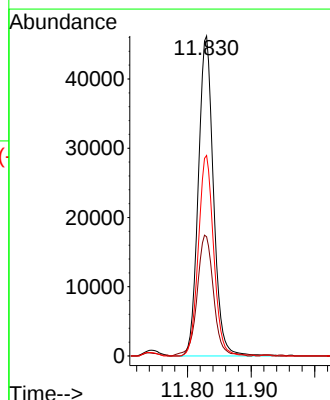
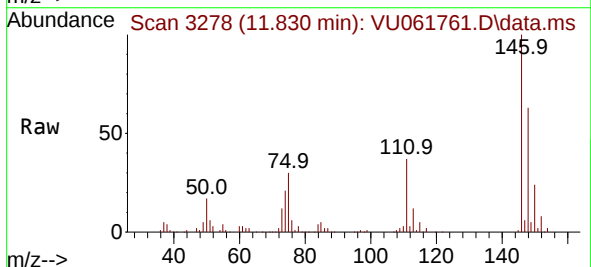
Tgt Ion:146 Resp: 76408

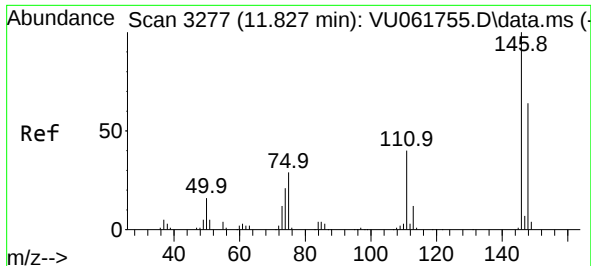
Ion Ratio Lower Upper

146 100

111 37.3 29.3 54.3

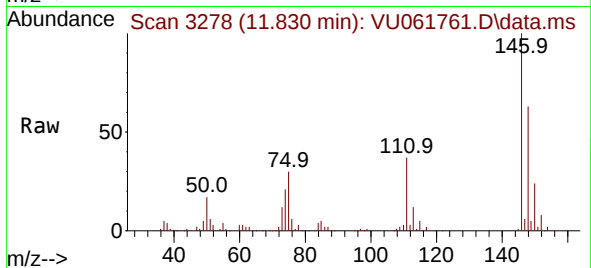
148 62.6 44.5 82.7



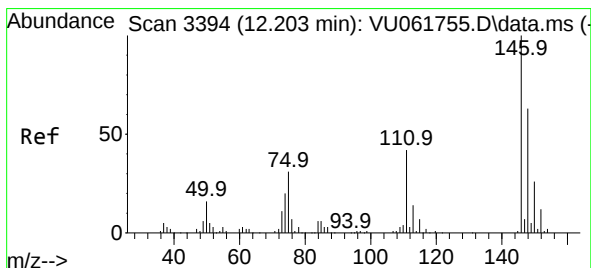
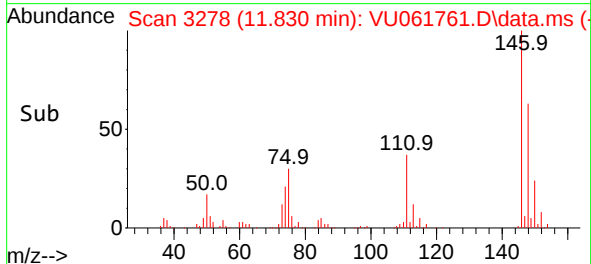
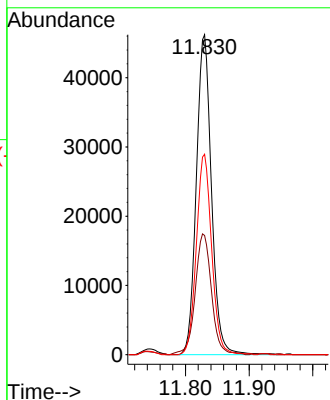


#65
1,4-Dichlorobenzene
Concen: 3.130 ug/L
RT: 11.830 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

Instrument :
MSVOA_U
ClientSampleId :

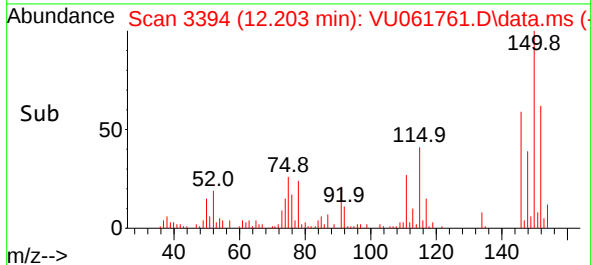
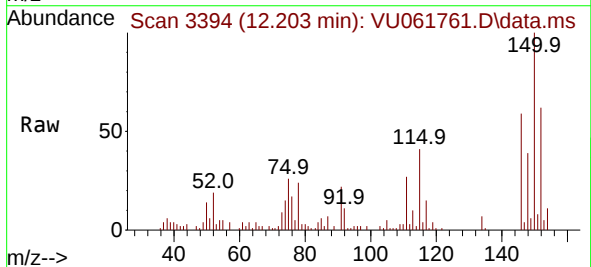
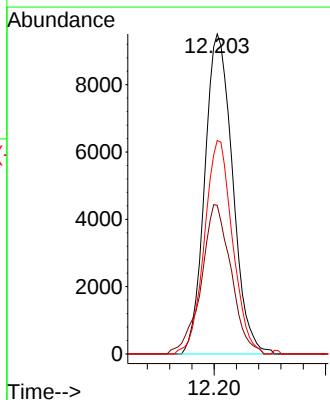


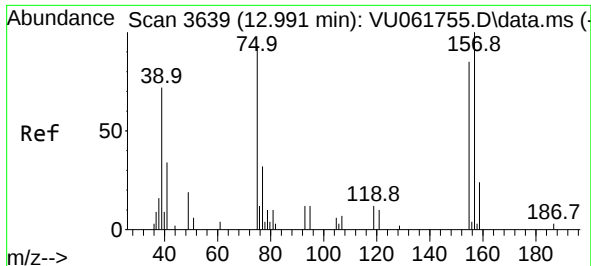
Tgt Ion:146 Resp: 76408
Ion Ratio Lower Upper
146 100
111 37.3 28.8 53.4
148 62.6 44.7 83.1



#67
1,2-Dichlorobenzene
Concen: 0.739 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. 0.000 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

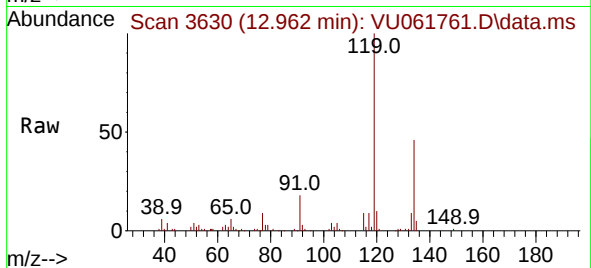
Tgt Ion:146 Resp: 16517
Ion Ratio Lower Upper
146 100
111 46.5 35.2 52.8
148 66.7 52.6 79.0



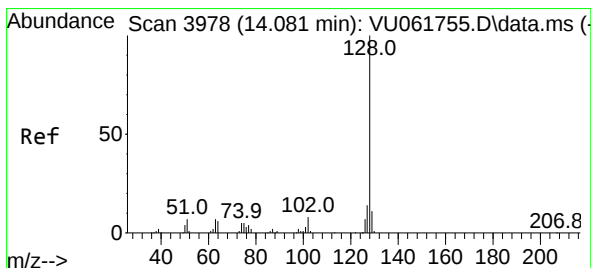
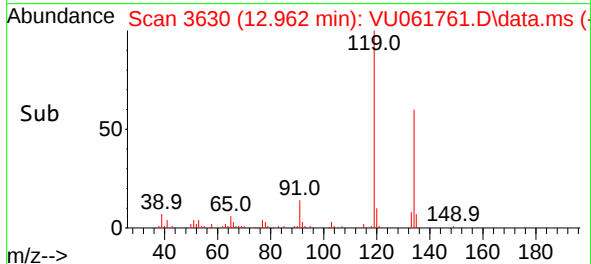
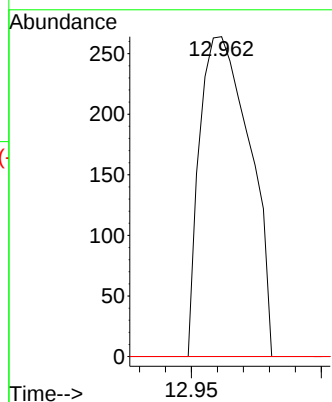


#68
1,2-Dibromo-3-chloropropane
Concen: 0.284 ug/L
RT: 12.962 min Scan# 30
Delta R.T. -0.029 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 353
Ion Ratio Lower Upper
75 100
155 0.0 62.6 93.8#
157 0.0 84.9 127.3#



#71
Naphthalene
Concen: 0.948 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. 0.006 min
Lab File: VU061761.D
Acq: 16 Nov 2024 22:56

Tgt Ion: 128 Resp: 17713
Ion Ratio Lower Upper
128 100
129 13.7 8.5 12.7#
127 13.1 10.4 15.6

