

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102924\
 Data File : VU061275.D
 Acq On : 28 Oct 2024 19:31
 Operator : MD/SY
 Sample : VIBLK058
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK058

Quant Time: Oct 29 02:11:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 29 02:07:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	280714	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	252922	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	114175	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	88859	45.067	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.140%
7) Chloroethane-d5	1.904	69	71773	41.621	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.240%
11) 1,1-Dichloroethene-d2	2.560	63	125572	34.615	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.220%
21) 2-Butanone-d5	4.615	46	129440	79.590	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.590%
24) Chloroform-d	5.052	84	164451	39.409	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.820%
26) 1,2-Dichloroethane-d4	5.692	65	109146	41.089	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.180%
32) Benzene-d6	5.718	84	353060	43.596	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.200%
36) 1,2-Dichloropropane-d6	6.679	67	106565	43.002	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.000%
41) Toluene-d8	7.891	98	323560	42.915	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.820%
43) trans-1,3-Dichloroprop...	8.171	79	52753	42.581	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.160%
47) 2-Hexanone-d5	8.624	63	100831	80.425	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.420%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	153235	39.288	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.580%
66) 1,2-Dichlorobenzene-d4	12.184	152	112144	44.369	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.740%

Target Compounds					Qvalue
5) Vinyl chloride	1.599	62	5325	2.674 ug/L	# 73
12) 1,1-Dichloroethene	2.570	96	3950	2.577 ug/L	# 1
14) Carbon disulfide	2.785	76	27042	5.770 ug/L	98
17) trans-1,2-Dichloroethene	3.351	96	6632	3.959 ug/L	88
20) cis-1,2-Dichloroethene	4.660	96	3932	1.974 ug/L	92
34) Trichloroethene	6.541	95	4229	2.254 ug/L	84
39) cis-1,3-Dichloropropene	7.602	75	4163	1.369 ug/L	95
44) trans-1,3-Dichloropropene	8.206	75	5190	1.834 ug/L	96
46) Tetrachloroethene	8.550	164	2161	1.602 ug/L	95
51) Chlorobenzene	9.441	112	8188	1.635 ug/L	96
53) m,p-Xylene	9.692	106	3906	1.212 ug/L	92
55) Styrene	10.113	104	7561	1.454 ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	8225	1.348 ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	9972	1.660 ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	10324	3.075 ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	13294	3.896 ug/L	94
67) 1,2-Dichlorobenzene	12.203	146	9211	2.719 ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.991	75	2210	3.386 ug/L	89
70) 1,2,4-trichlorobenzene	13.836	180	19193	9.972 ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102924\
Data File : VU061275.D
Acq On : 28 Oct 2024 19:31
Operator : MD/SY
Sample : VIBLK058
Misc : 5mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK058

Quant Time: Oct 29 02:11:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102824WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 29 02:07:08 2024
Response via : Initial Calibration

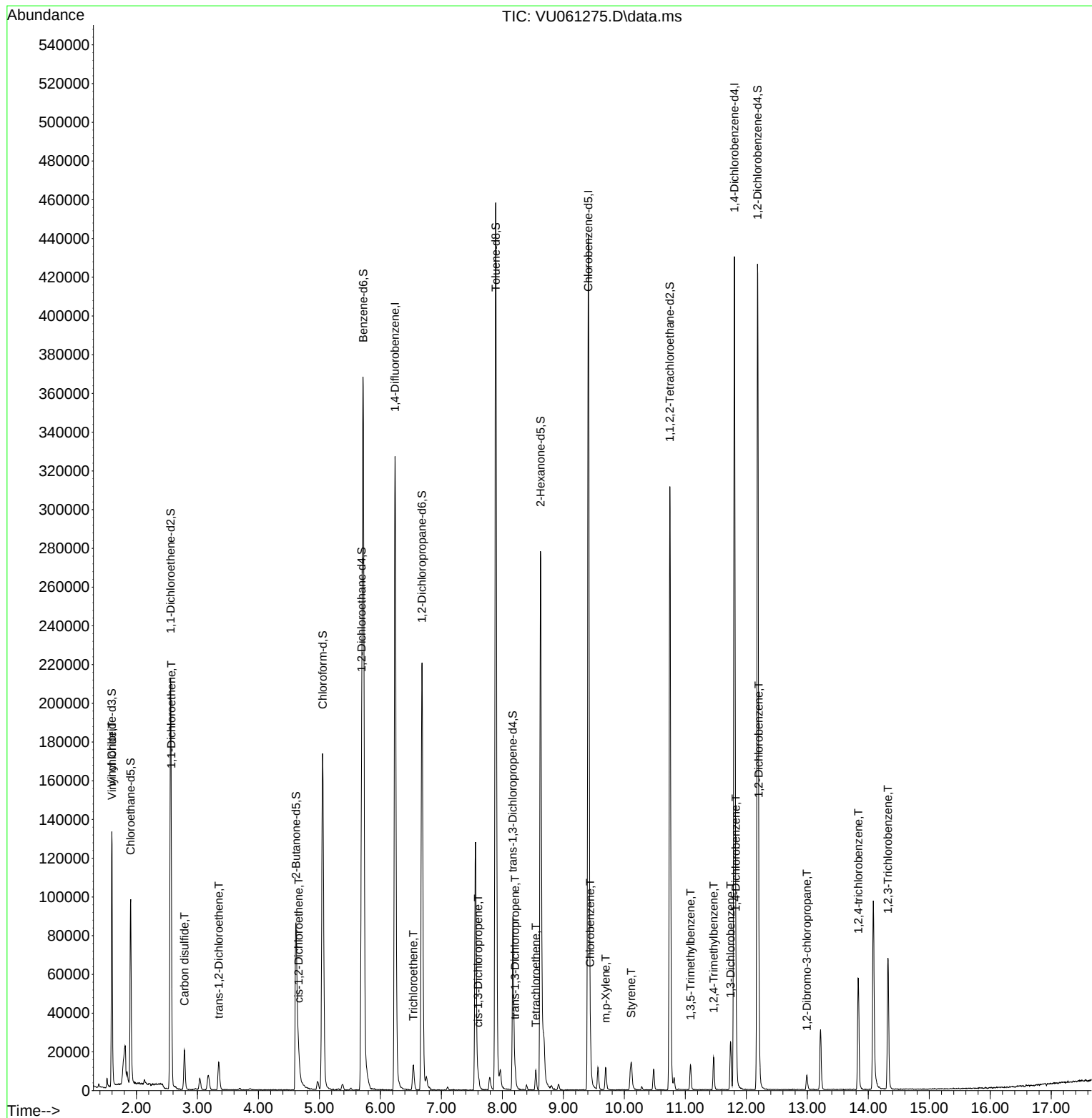
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.322	180	21893	11.647	ug/L	96

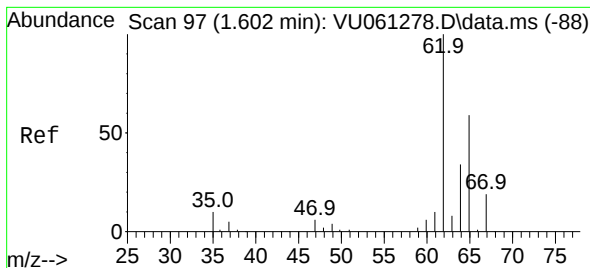
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102924\
Data File : VU061275.D
Acq On : 28 Oct 2024 19:31
Operator : MD/SY
Sample : VIBLK058
Misc : 5mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK058

Quant Time: Oct 29 02:11:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102824WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 29 02:07:08 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.674 ug/L

RT: 1.599 min Scan# 9

Delta R.T. 0.000 min

Lab File: VU061275.D

Acq: 28 Oct 2024 19:31

Instrument :

MSVOA_U

ClientSampleId :

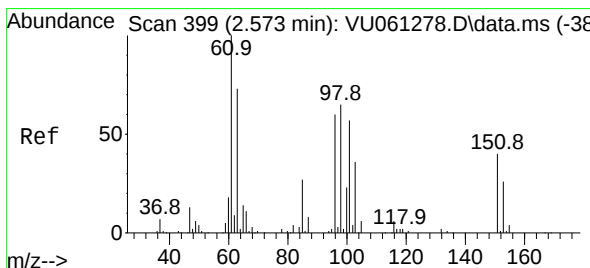
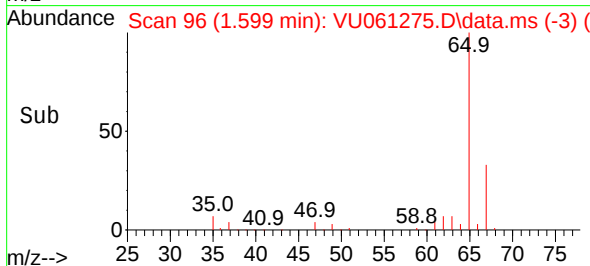
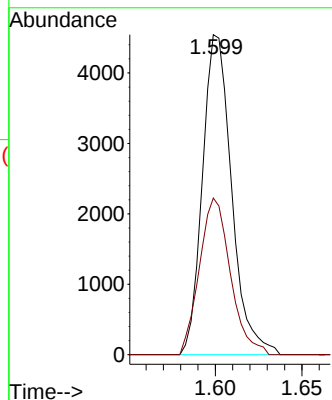
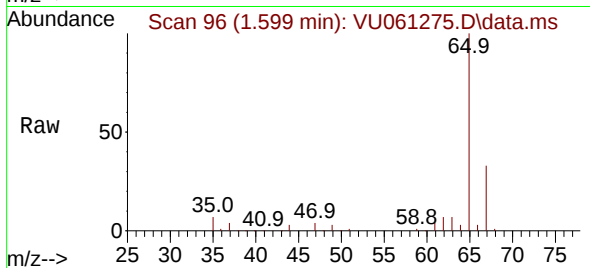
VIBLK058

Tgt Ion: 62 Resp: 5325

Ion Ratio Lower Upper

62 100

64 48.9 23.4 43.4#



#12

1,1-Dichloroethene

Concen: 2.577 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU061275.D

Acq: 28 Oct 2024 19:31

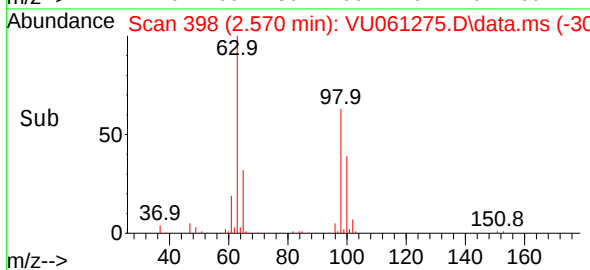
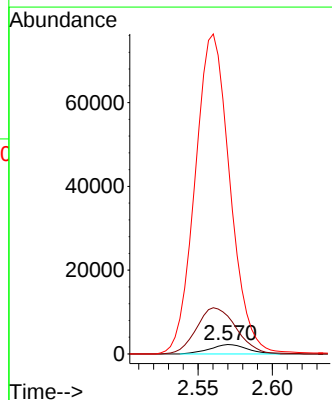
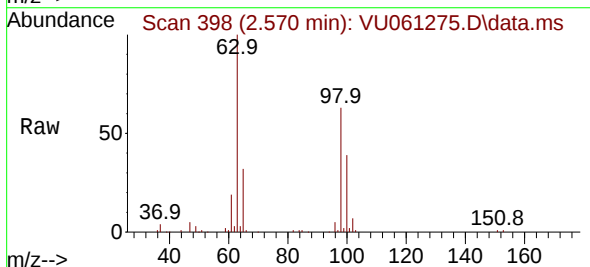
Tgt Ion: 96 Resp: 3950

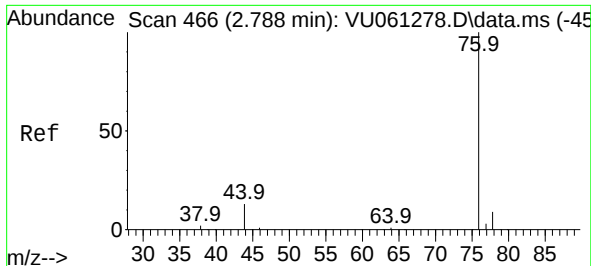
Ion Ratio Lower Upper

96 100

61 405.2 117.1 217.5#

63 2120.0 86.6 160.8#





#14

Carbon disulfide

Concen: 5.770 ug/L

RT: 2.785 min Scan# 4

Delta R.T. 0.000 min

Lab File: VU061275.D

Acq: 28 Oct 2024 19:31

Instrument :

MSVOA_U

ClientSampleId :

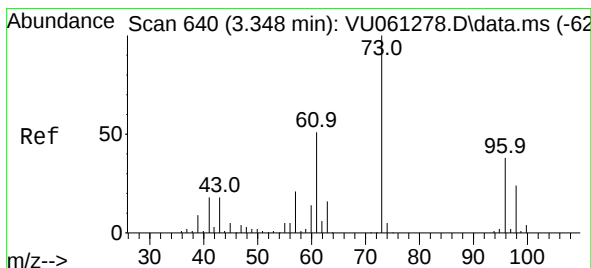
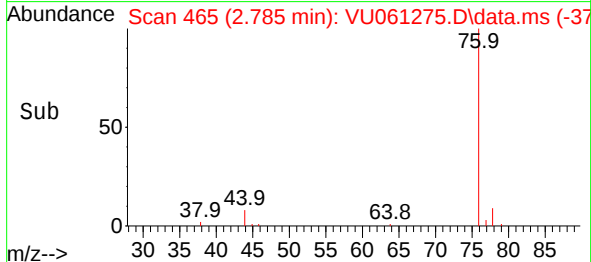
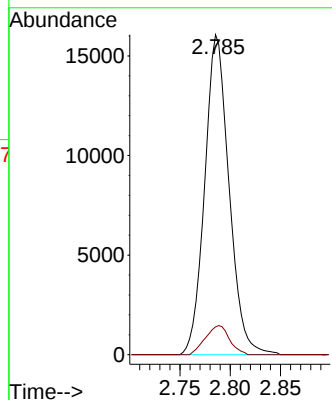
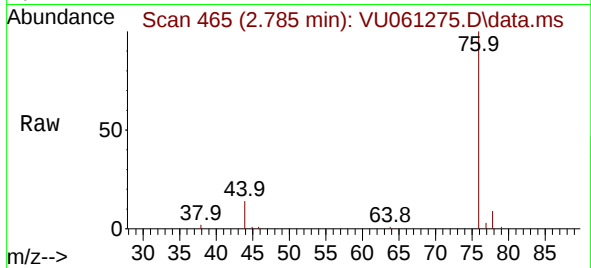
VIBLK058

Tgt Ion: 76 Resp: 27042

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2



#17

trans-1,2-Dichloroethene

Concen: 3.959 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.006 min

Lab File: VU061275.D

Acq: 28 Oct 2024 19:31

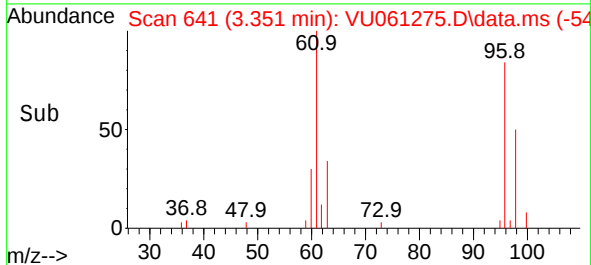
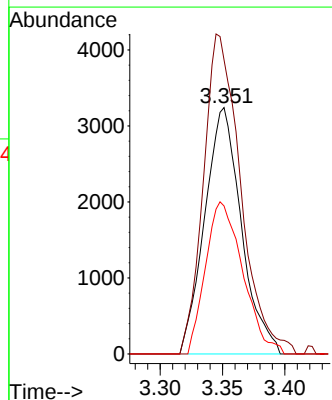
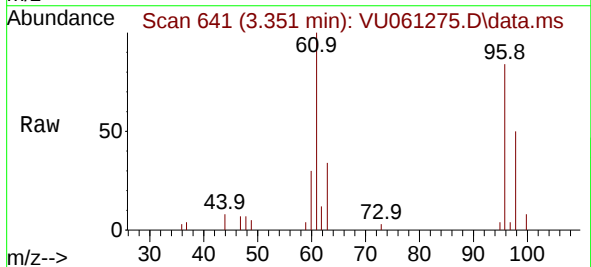
Tgt Ion: 96 Resp: 6632

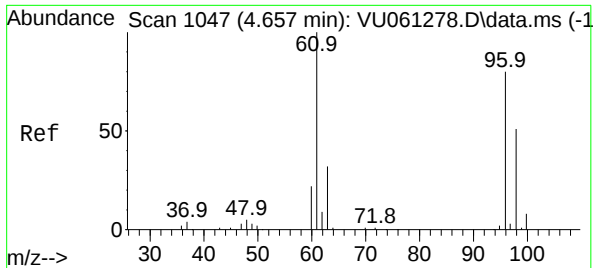
Ion Ratio Lower Upper

96 100

61 119.4 95.3 177.1

98 60.1 46.0 85.4

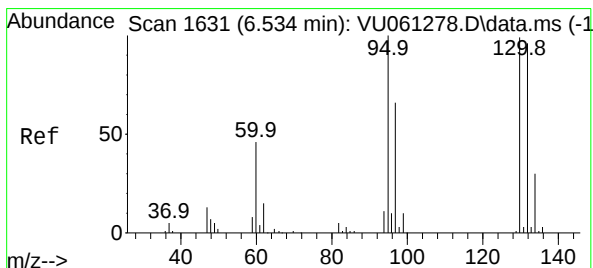
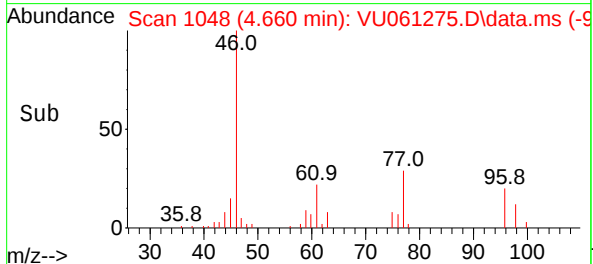
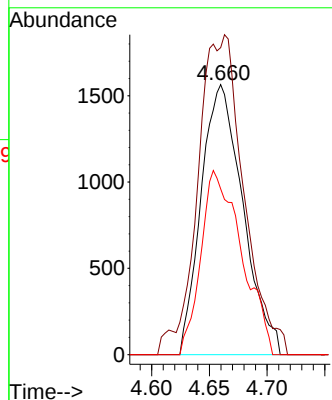
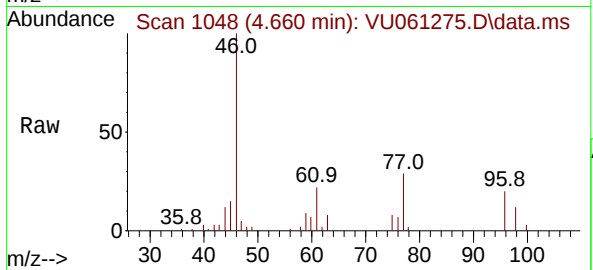




#20
cis-1,2-Dichloroethene
Concen: 1.974 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU061275.D
Acq: 28 Oct 2024 19:31

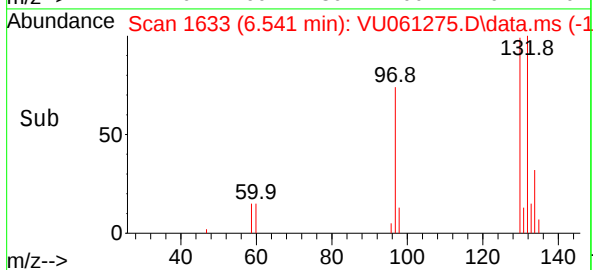
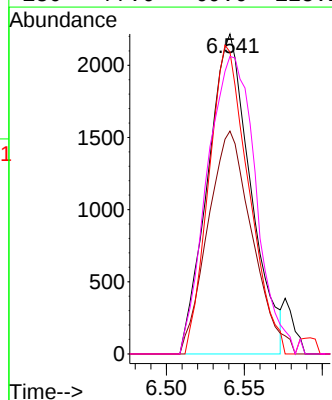
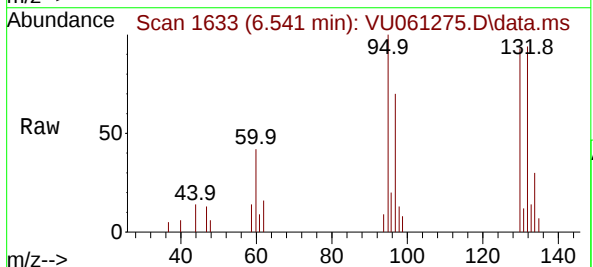
Instrument :
MSVOA_U
ClientSampleId :
VIBLK058

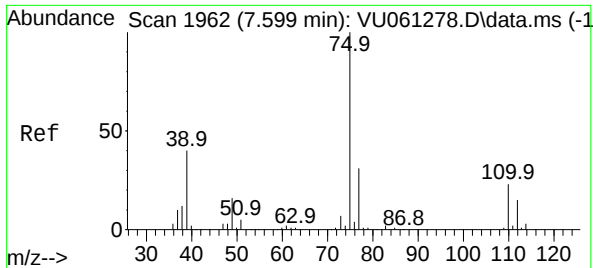
Tgt Ion: 96 Resp: 3932
Ion Ratio Lower Upper
96 100
61 113.7 87.2 161.9
98 61.3 45.2 84.0



#34
Trichloroethene
Concen: 2.254 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VU061275.D
Acq: 28 Oct 2024 19:31

Tgt Ion: 95 Resp: 4229
Ion Ratio Lower Upper
95 100
97 58.1 44.2 82.0
132 78.7 66.6 123.6
130 77.6 69.0 128.2

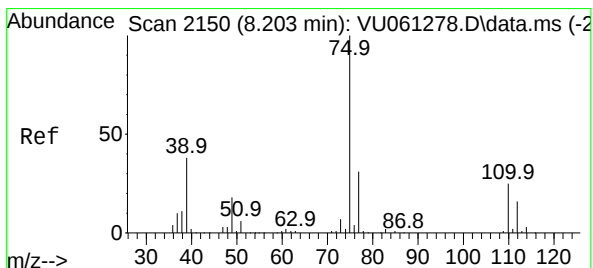
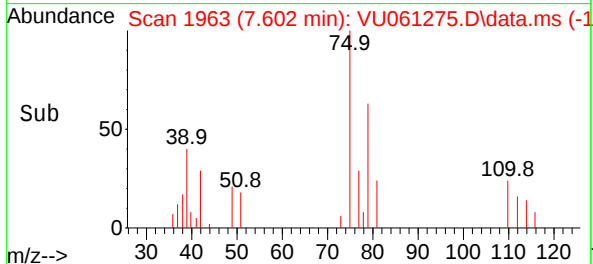
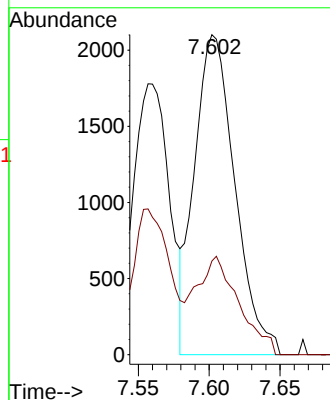
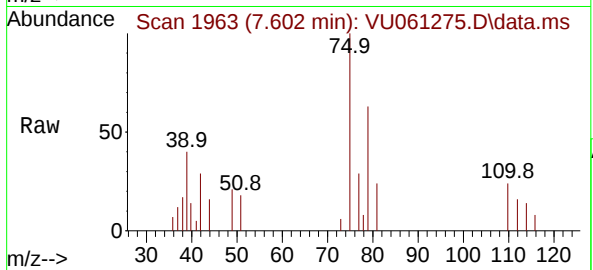




#39
cis-1,3-Dichloropropene
Concen: 1.369 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.003 min
Lab File: VU061275.D
Acq: 28 Oct 2024 19:31

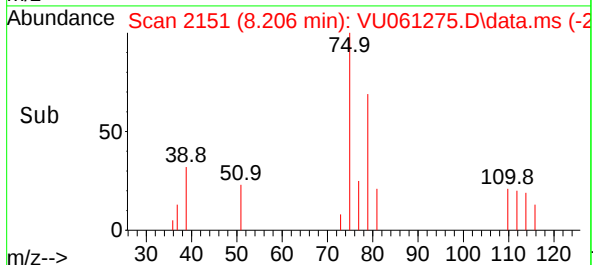
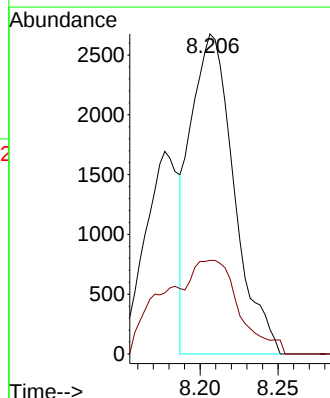
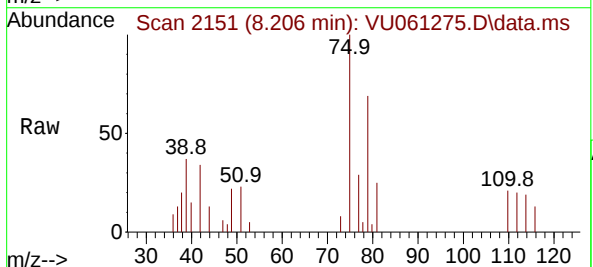
Instrument :
MSVOA_U
ClientSampleId :
VIBLK058

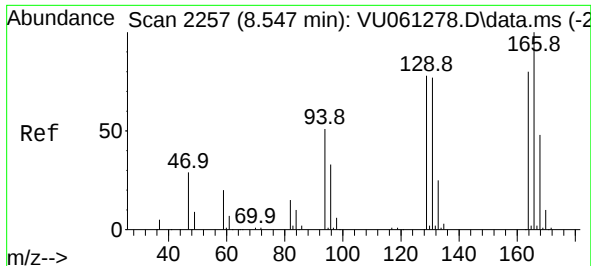
Tgt Ion: 75 Resp: 4163
Ion Ratio Lower Upper
75 100
77 29.3 22.5 41.7



#44
trans-1,3-Dichloropropene
Concen: 1.834 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.006 min
Lab File: VU061275.D
Acq: 28 Oct 2024 19:31

Tgt Ion: 75 Resp: 5190
Ion Ratio Lower Upper
75 100
77 29.3 22.2 41.2





#46

Tetrachloroethene

Concen: 1.602 ug/L

RT: 8.550 min Scan# 2161

Delta R.T. 0.006 min

Lab File: VU061275.D

Acq: 28 Oct 2024 19:31

Instrument :

MSVOA_U

ClientSampleId :

VIBLK058

Tgt Ion:164 Resp: 2161

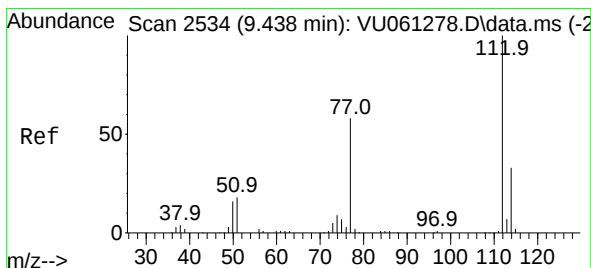
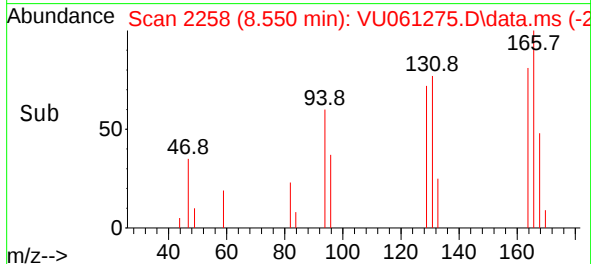
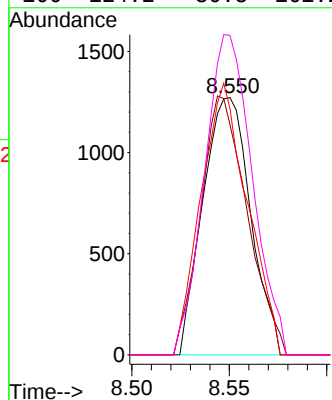
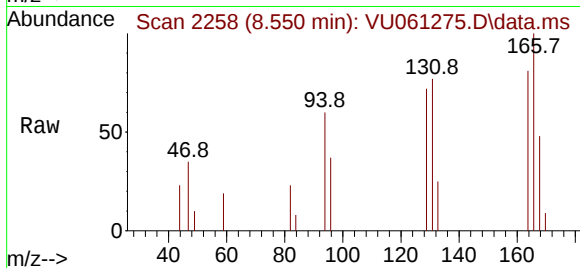
Ion Ratio Lower Upper

164 100

129 89.5 71.6 133.0

131 95.8 68.6 127.4

166 124.2 86.8 161.2



#51

Chlorobenzene

Concen: 1.635 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU061275.D

Acq: 28 Oct 2024 19:31

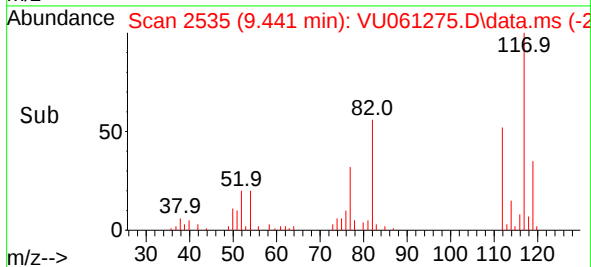
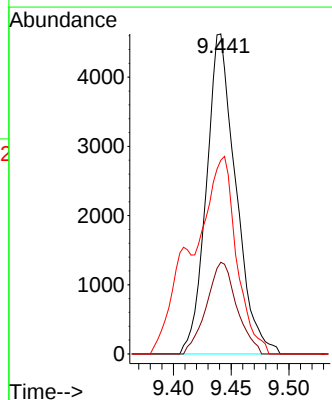
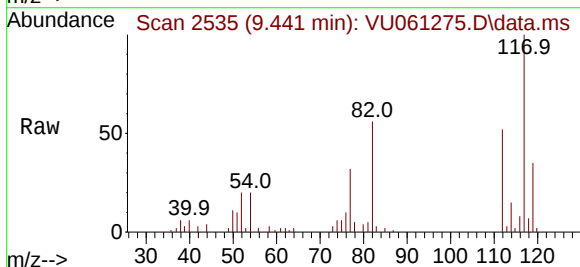
Tgt Ion:112 Resp: 8188

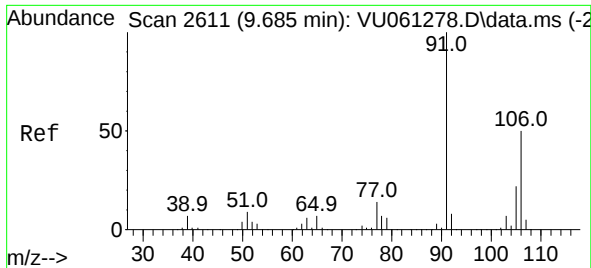
Ion Ratio Lower Upper

112 100

114 32.4 22.0 40.8

77 60.6 45.8 68.6

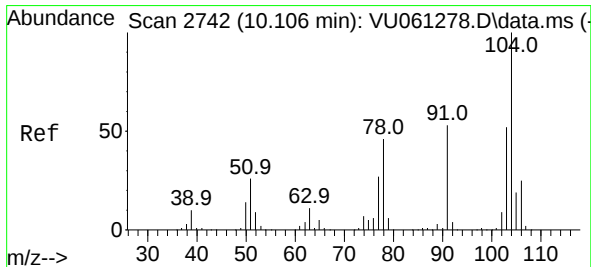
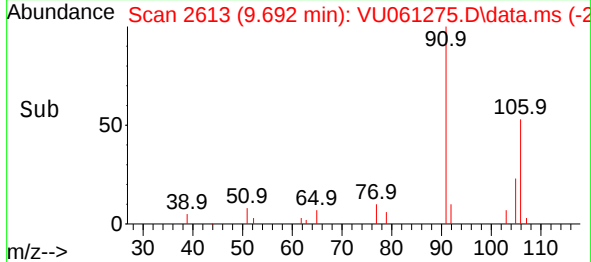
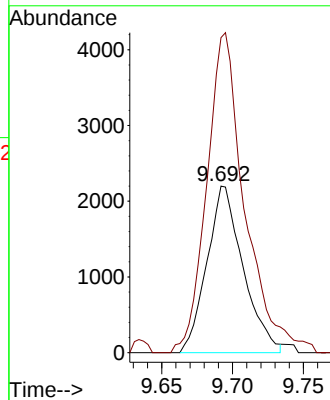
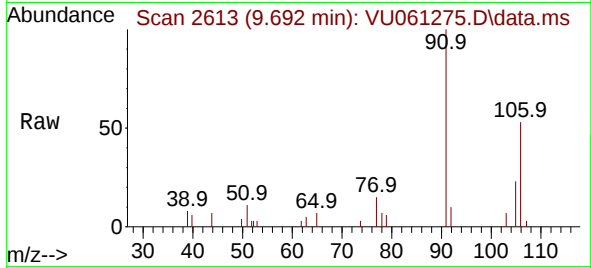




#53
m,p-Xylene
Concen: 1.212 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU061275.D
Acq: 28 Oct 2024 19:31

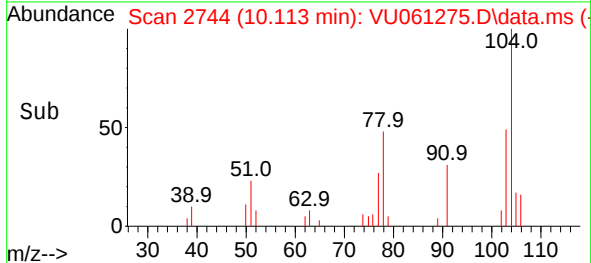
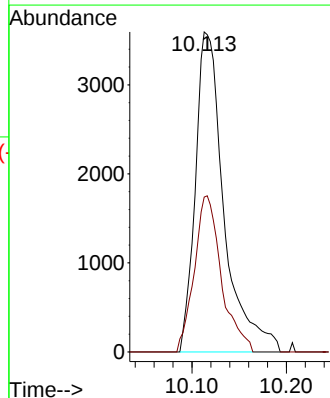
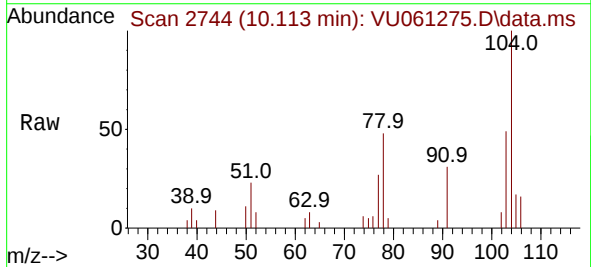
Instrument :
MSVOA_U
ClientSampleId :
VIBLK058

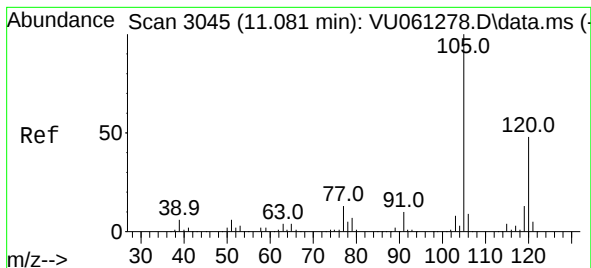
Tgt Ion:106 Resp: 3906
Ion Ratio Lower Upper
106 100
91 189.2 140.6 261.2



#55
Styrene
Concen: 1.454 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VU061275.D
Acq: 28 Oct 2024 19:31

Tgt Ion:104 Resp: 7561
Ion Ratio Lower Upper
104 100
78 48.4 32.0 59.4





#62

1,3,5-Trimethylbenzene

Concen: 1.348 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU061275.D

Acq: 28 Oct 2024 19:31

Instrument :

MSVOA_U

ClientSampleId :

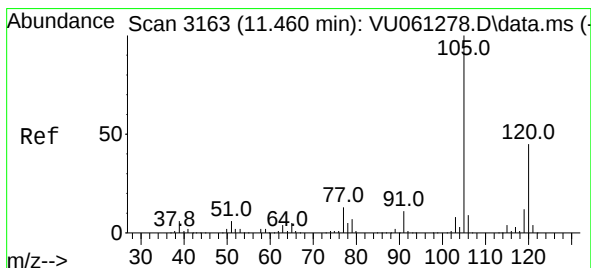
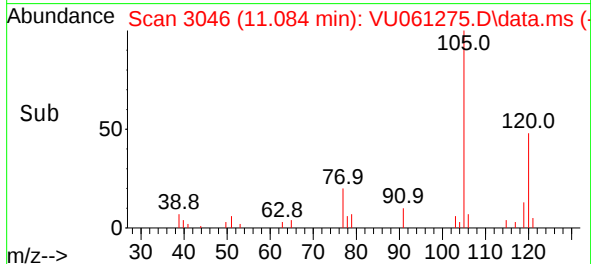
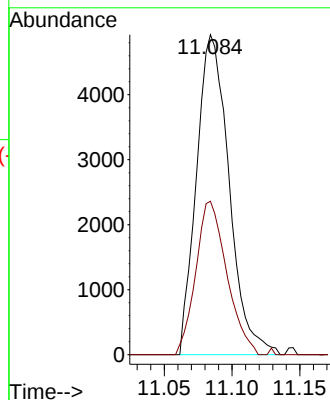
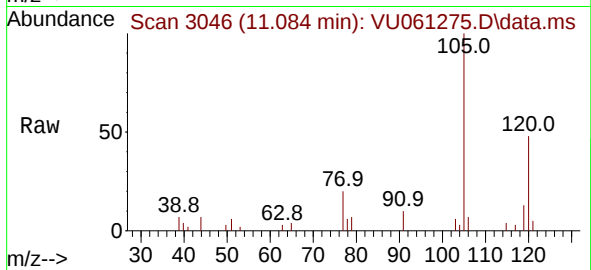
VIBLK058

Tgt Ion:105 Resp: 8225

Ion Ratio Lower Upper

105 100

120 45.6 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 1.660 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU061275.D

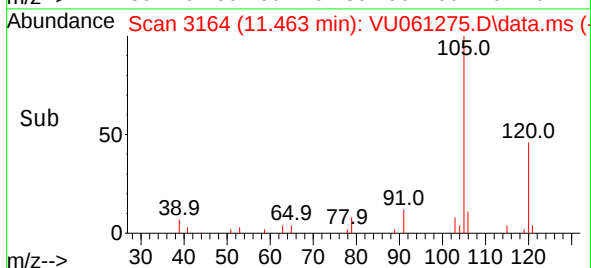
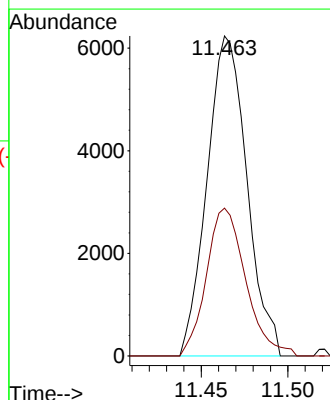
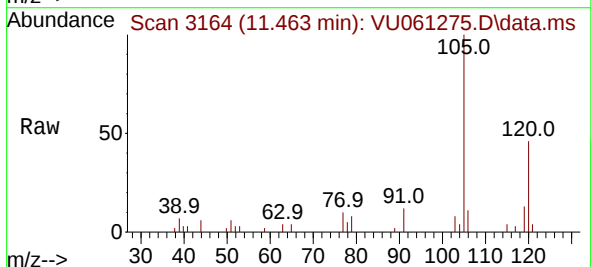
Acq: 28 Oct 2024 19:31

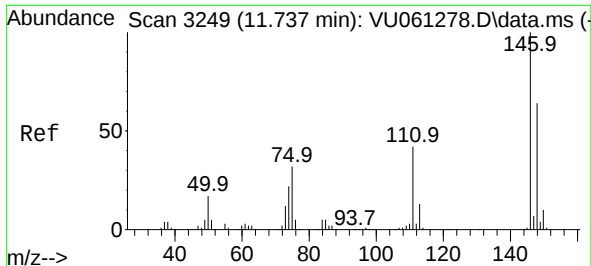
Tgt Ion:105 Resp: 9972

Ion Ratio Lower Upper

105 100

120 45.5 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 3.075 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.006 min

Lab File: VU061275.D

Acq: 28 Oct 2024 19:31

Instrument :

MSVOA_U

ClientSampleId :

VIBLK058

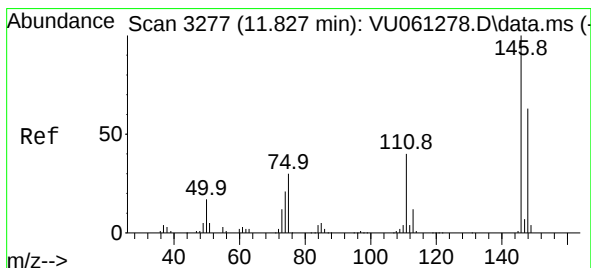
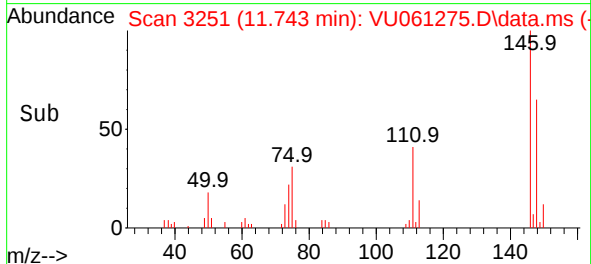
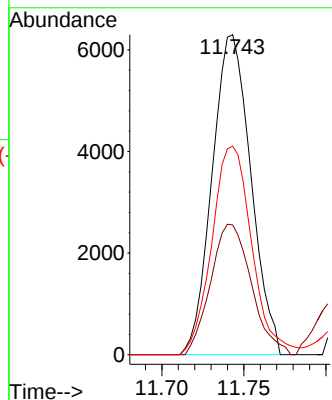
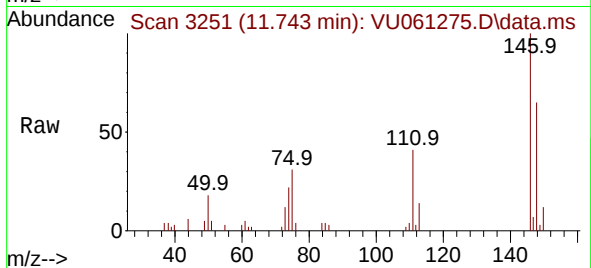
Tgt Ion:146 Resp: 10324

Ion Ratio Lower Upper

146 100

111 41.1 27.9 51.7

148 64.1 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 3.896 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061275.D

Acq: 28 Oct 2024 19:31

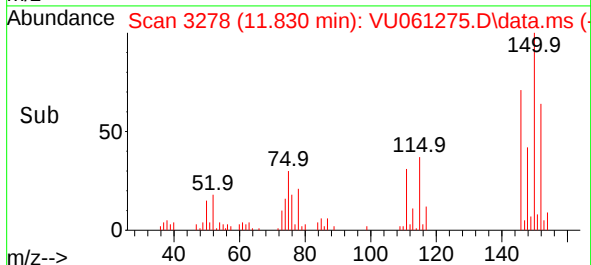
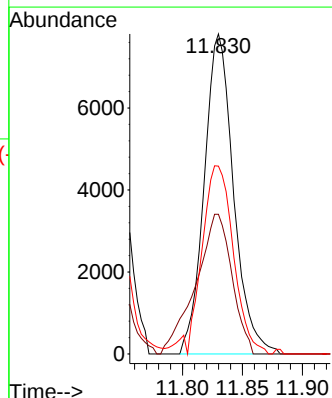
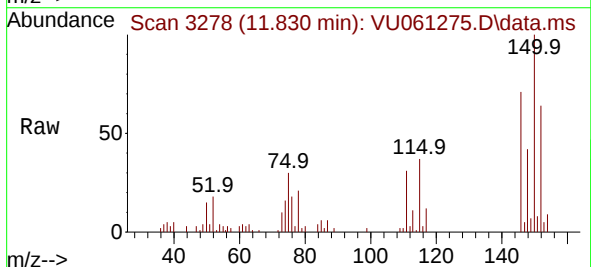
Tgt Ion:146 Resp: 13294

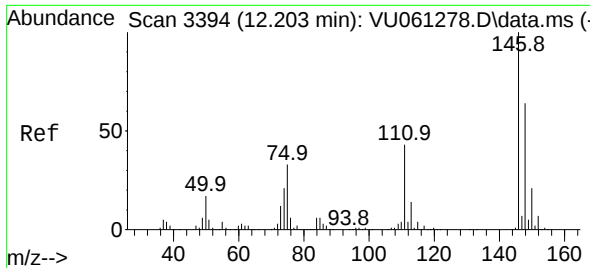
Ion Ratio Lower Upper

146 100

111 43.6 27.9 51.7

148 68.5 44.9 83.3

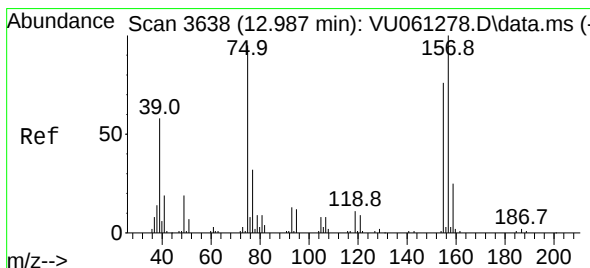
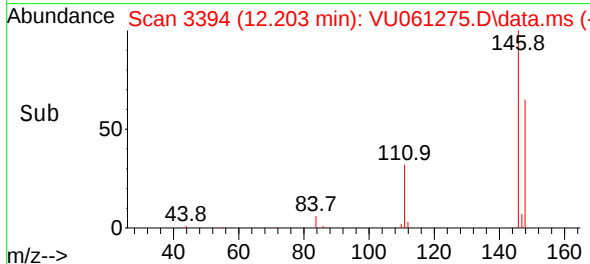
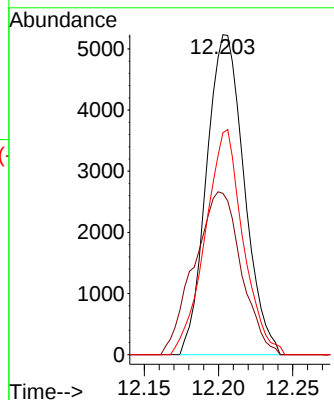
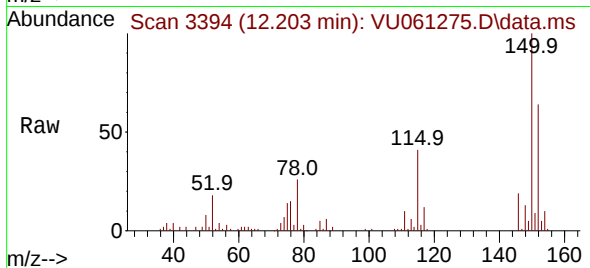




#67
1,2-Dichlorobenzene
Concen: 2.719 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. 0.000 min
Lab File: VU061275.D
Acq: 28 Oct 2024 19:31

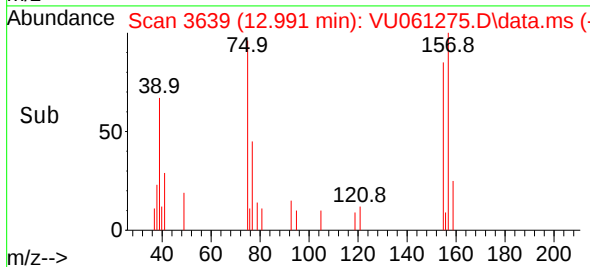
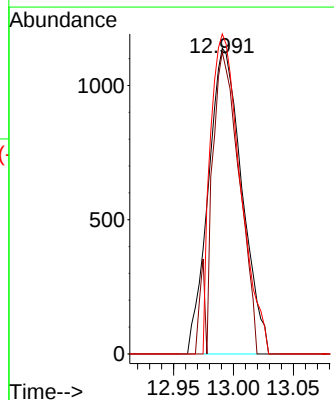
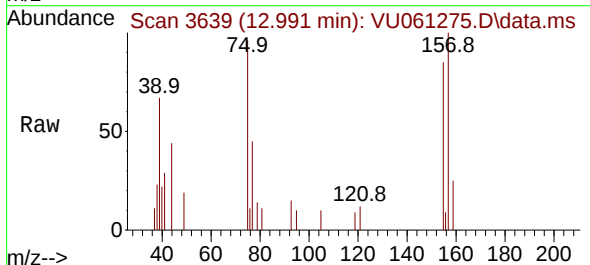
Instrument :
MSVOA_U
ClientSampleId :
VIBLK058

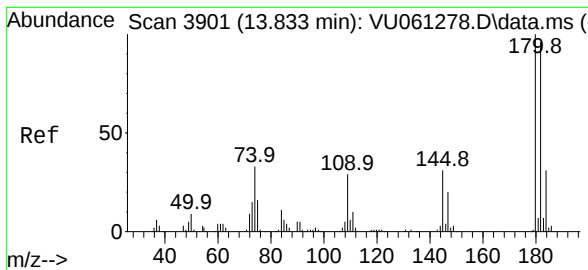
Tgt Ion:146 Resp: 9211
Ion Ratio Lower Upper
146 100
111 50.4 35.6 53.4
148 69.3 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 3.386 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VU061275.D
Acq: 28 Oct 2024 19:31

Tgt Ion: 75 Resp: 2210
Ion Ratio Lower Upper
75 100
155 88.6 66.6 100.0
157 94.0 87.1 130.7

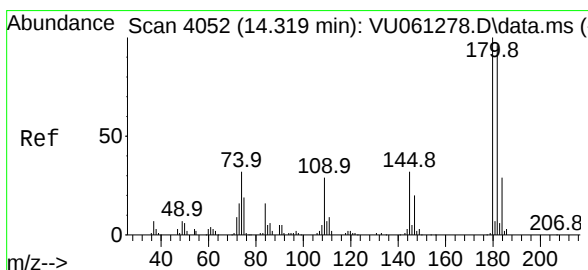
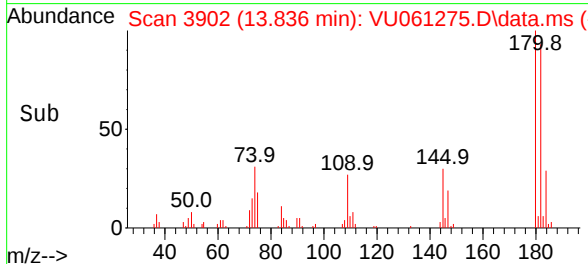
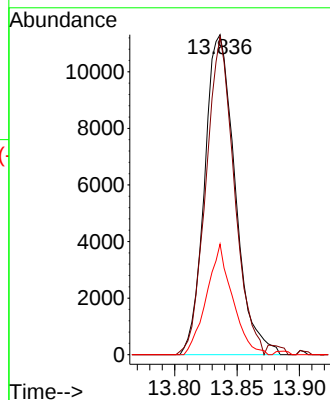
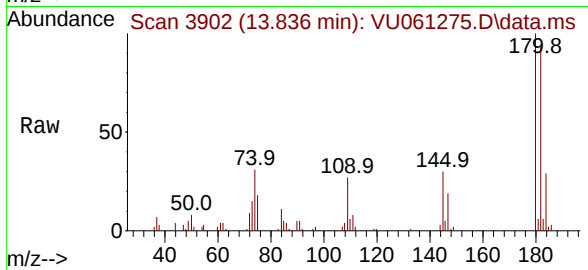




#70
1,2,4-trichlorobenzene
Concen: 9.972 ug/L
RT: 13.836 min Scan# 3901
Delta R.T. 0.006 min
Lab File: VU061275.D
Acq: 28 Oct 2024 19:31

Instrument :
MSVOA_U
ClientSampleId :
VIBLK058

Tgt Ion:180 Resp: 19193
Ion Ratio Lower Upper
180 100
182 92.2 76.0 114.0
145 29.4 25.0 37.4



#72
1,2,3-Trichlorobenzene
Concen: 11.647 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.003 min
Lab File: VU061275.D
Acq: 28 Oct 2024 19:31

Tgt Ion:180 Resp: 21893
Ion Ratio Lower Upper
180 100
182 91.1 76.7 115.1
145 31.4 25.6 38.4

