

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057846.D
 Acq On : 07 Feb 2024 17:35
 Operator : MD/SY
 Sample : P1081-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 08 01:29:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	256118	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.444	117	237473	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.823	152	152535	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	95450	46.561	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.120%		
7) Chloroethane-d5	1.891	69	75764	47.640	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.280%		
11) 1,1-Dichloroethene-d2	2.557	63	128652	34.170	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.340%		
21) 2-Butanone-d5	4.615	46	65098	57.219	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	57.220%		
24) Chloroform-d	5.052	84	167107	45.953	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.900%		
26) 1,2-Dichloroethane-d4	5.692	65	112175	48.660	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.320%		
32) Benzene-d6	5.721	84	345398	48.145	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.300%		
36) 1,2-Dichloropropane-d6	6.682	67	107943	47.646	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.300%		
41) Toluene-d8	7.894	98	312825	48.098	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.200%		
43) trans-1,3-Dichloroprop...	8.174	79	51958	46.882	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.760%		
47) 2-Hexanone-d5	8.637	63	102194	110.510	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.510%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	169142	57.353	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	114.700%		
66) 1,2-Dichlorobenzene-d4	12.209	152	136425	46.554	ug/L	0.02
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.100%		
Target Compounds					Qvalue	
13) Acetone	2.615	43	20591	14.088	ug/L	97
14) Carbon disulfide	2.785	76	7850	1.507	ug/L	96
20) cis-1,2-Dichloroethene	4.653	96	3389	1.709	ug/L	97
25) Chloroform	5.078	83	44490	12.597	ug/L	98
27) 1,2-Dichloroethane	5.769	62	231172	79.041	ug/L	# 76
29) Cyclohexane	5.377	56	25764	8.338	ug/L	95
31) Carbon tetrachloride	5.521	117	2507	0.940	ug/L	97
33) Benzene	5.920	78	172020	22.883	ug/L	100
34) Trichloroethene	6.541	95	3099	1.533	ug/L	90
42) Toluene	7.965	91	52128	6.621	ug/L	97
46) Tetrachloroethene	8.554	164	3583	2.556	ug/L	93
60) 1,2,3-Trichloropropane	10.779	75	5435	1.702	ug/L	# 1
64) 1,3-Dichlorobenzene	11.750	146	5343220	1106.676	ug/L	97
65) 1,4-Dichlorobenzene	11.750	146	5343220	1078.942	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.965	75	19750	24.387	ug/L	# 10
69) 1,3,5-Trichlorobenzene	13.836	180	1418490	417.135	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	1418490	488.315	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	334607	123.104	ug/L	99

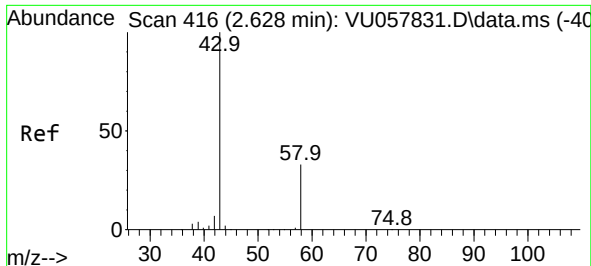
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
Data File : VU057846.D
Acq On : 07 Feb 2024 17:35
Operator : MD/SY
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Quant Title : VOC Analysis
QLast Update : Thu Feb 08 01:18:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#13

Acetone

Concen: 14.088 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

Instrument :

MSVOA_U

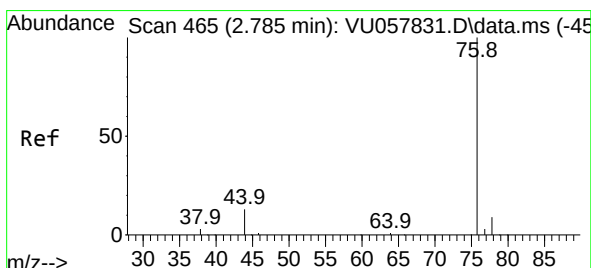
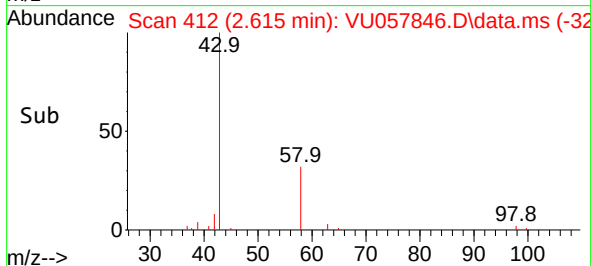
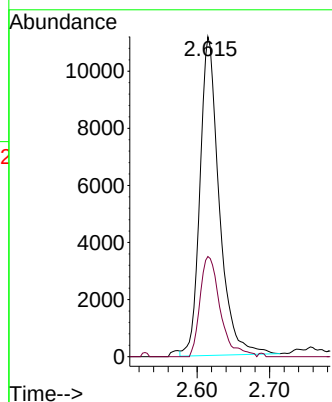
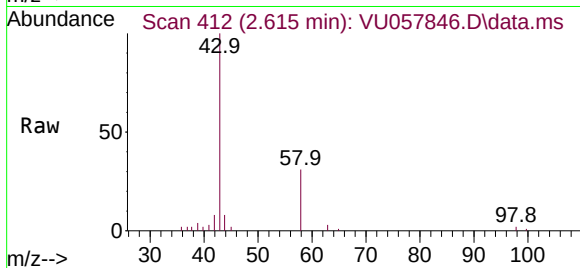
ClientSampleId :

Tgt Ion: 43 Resp: 20591

Ion Ratio Lower Upper

43 100

58 31.2 0.0 65.8



#14

Carbon disulfide

Concen: 1.507 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU057846.D

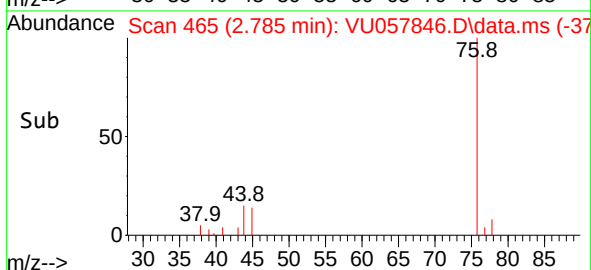
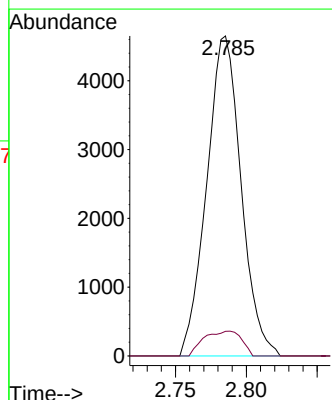
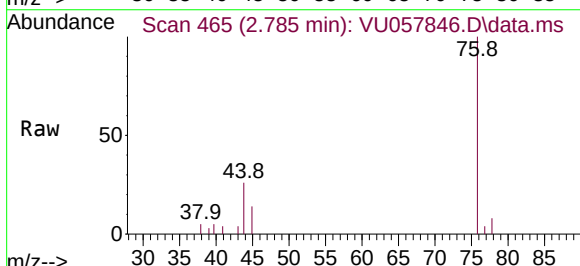
Acq: 07 Feb 2024 17:35

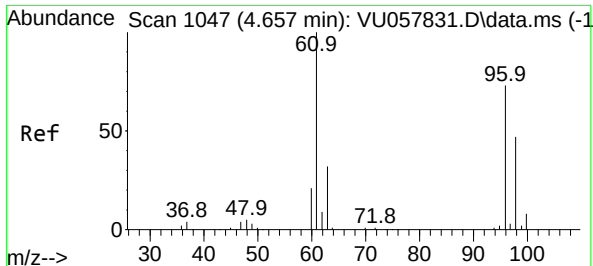
Tgt Ion: 76 Resp: 7850

Ion Ratio Lower Upper

76 100

78 7.7 7.2 10.8





#20

cis-1,2-Dichloroethene

Concen: 1.709 ug/L

RT: 4.653 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

Instrument :

MSVOA_U

ClientSampleId :

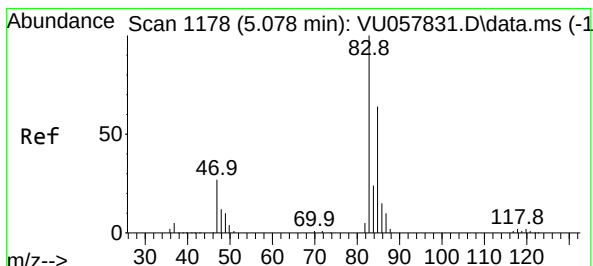
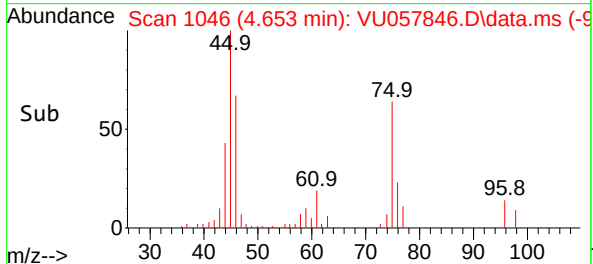
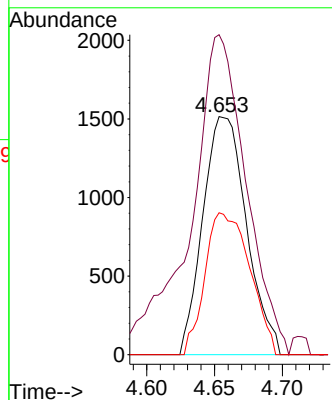
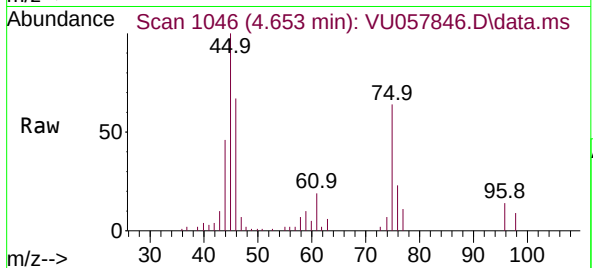
Tgt Ion: 96 Resp: 3389

Ion Ratio Lower Upper

96 100

61 134.4 95.7 177.7

98 59.6 45.2 84.0



#25

Chloroform

Concen: 12.597 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057846.D

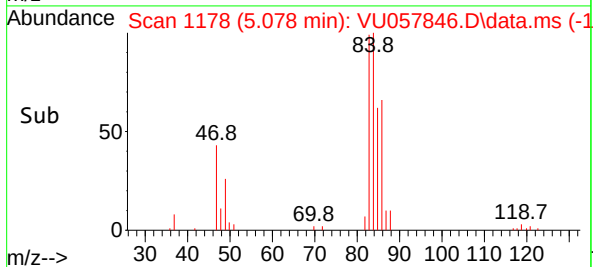
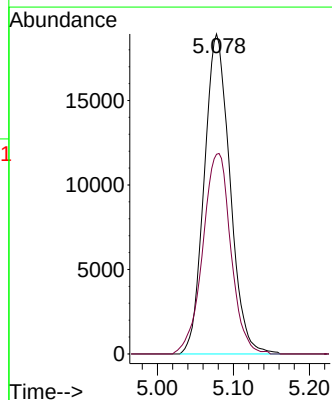
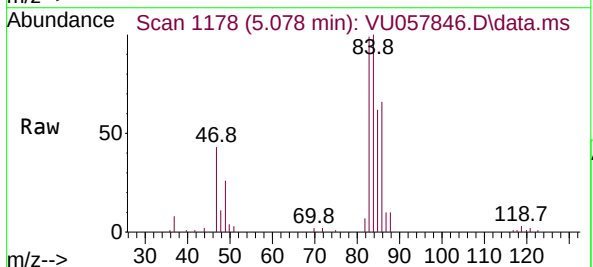
Acq: 07 Feb 2024 17:35

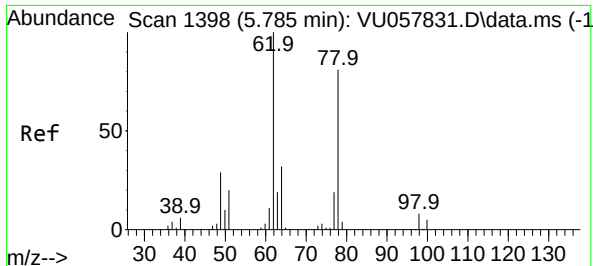
Tgt Ion: 83 Resp: 44490

Ion Ratio Lower Upper

83 100

85 62.4 45.0 83.6





#27

1,2-Dichloroethane

Concen: 79.041 ug/L

RT: 5.769 min Scan# 11

Delta R.T. -0.016 min

Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

Instrument :

MSVOA_U

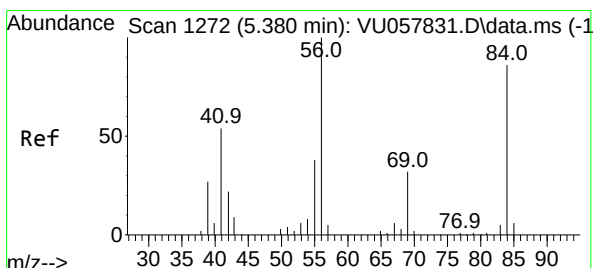
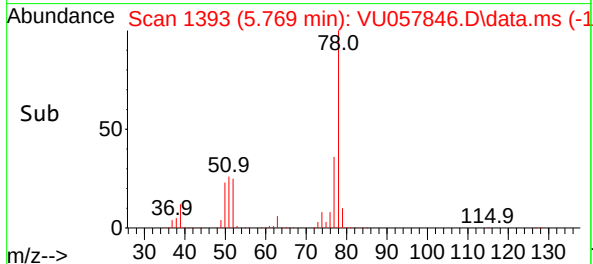
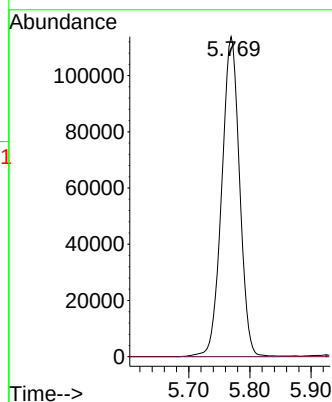
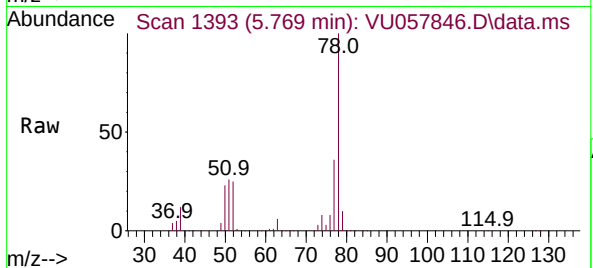
ClientSampleId :

Tgt Ion: 62 Resp: 231172

Ion Ratio Lower Upper

62 100

98 0.0 6.7 10.1#



#29

Cyclohexane

Concen: 8.338 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

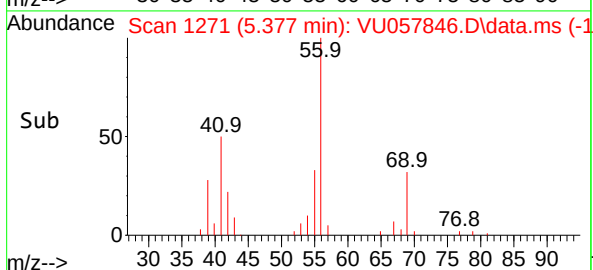
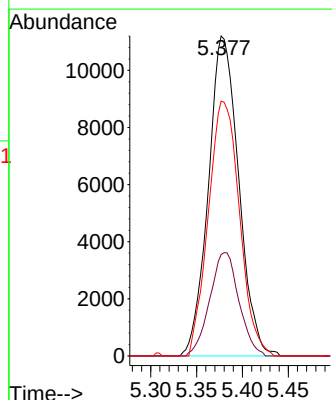
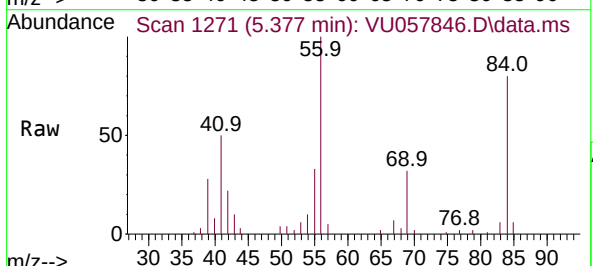
Tgt Ion: 56 Resp: 25764

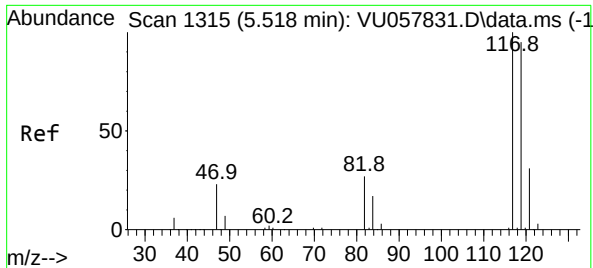
Ion Ratio Lower Upper

56 100

69 31.0 25.4 38.0

84 81.8 70.4 105.6

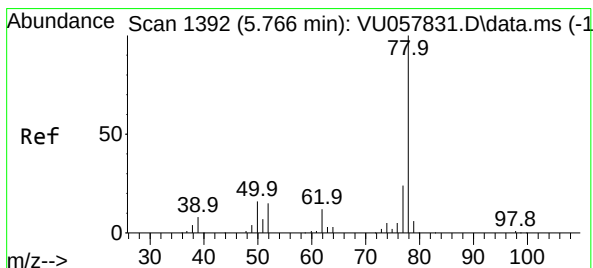
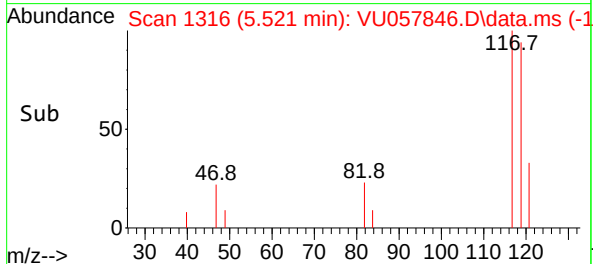
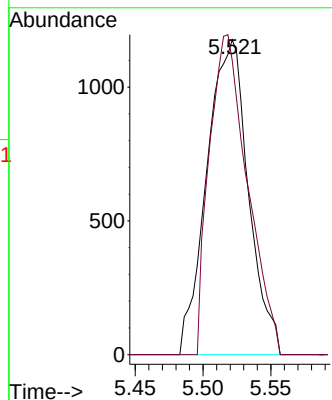
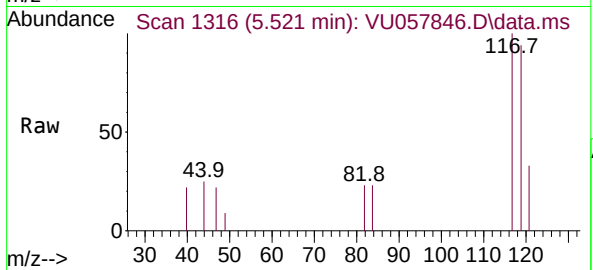




#31
Carbon tetrachloride
Concen: 0.940 ug/L
RT: 5.521 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

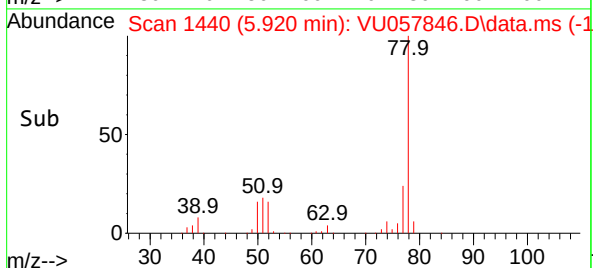
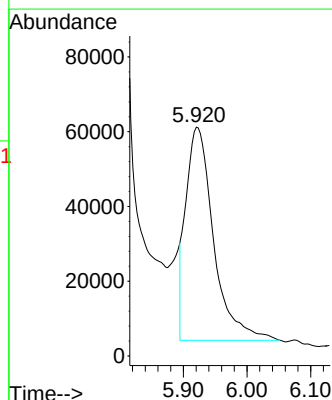
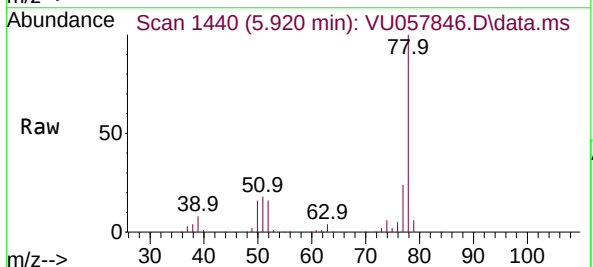
Instrument :
MSVOA_U
ClientSampleId :

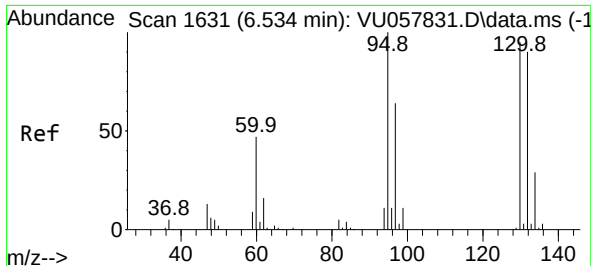
Tgt Ion:117 Resp: 2507
Ion Ratio Lower Upper
117 100
119 93.0 76.7 115.1



#33
Benzene
Concen: 22.883 ug/L
RT: 5.920 min Scan# 1440
Delta R.T. 0.154 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

Tgt Ion: 78 Resp: 172020





#34

Trichloroethene

Concen: 1.533 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.006 min

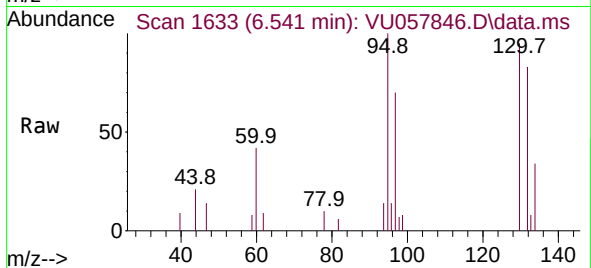
Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 3099

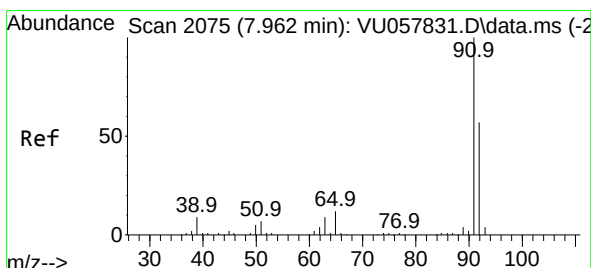
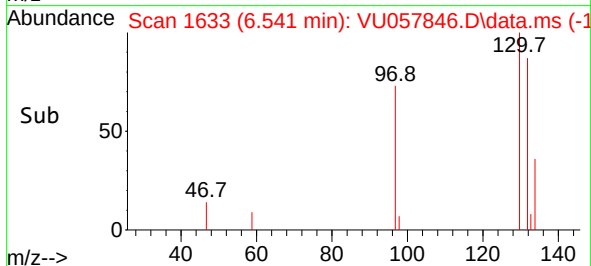
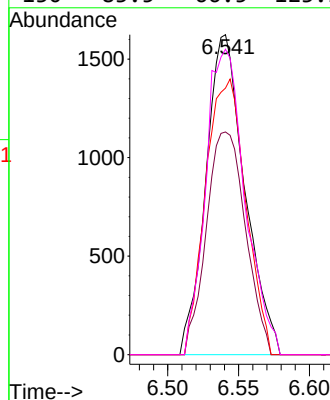
Ion Ratio Lower Upper

95 100

97 60.9 44.9 83.5

132 79.9 63.1 117.1

130 83.5 66.5 123.5



#42

Toluene

Concen: 6.621 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU057846.D

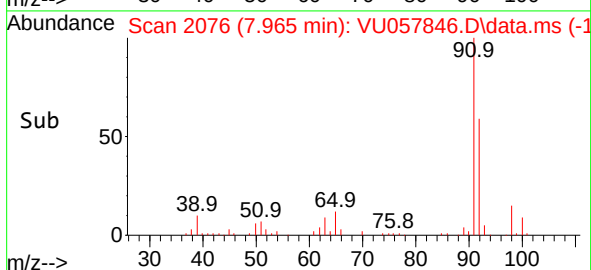
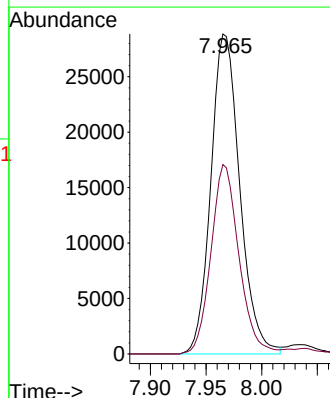
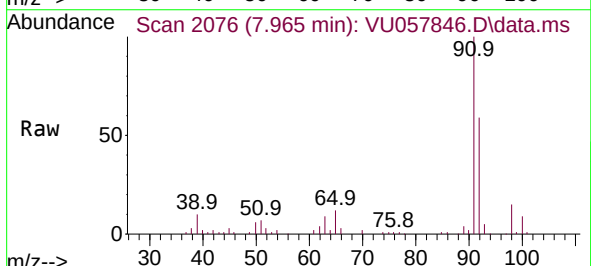
Acq: 07 Feb 2024 17:35

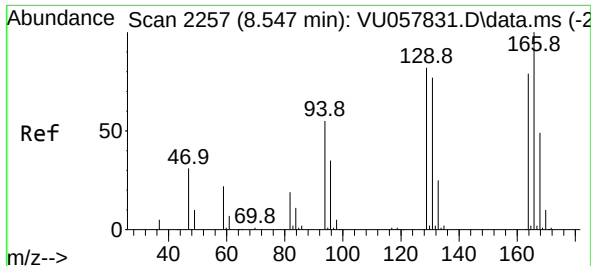
Tgt Ion: 91 Resp: 52128

Ion Ratio Lower Upper

91 100

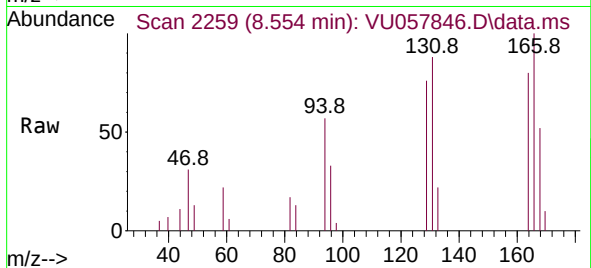
92 59.2 39.8 73.8



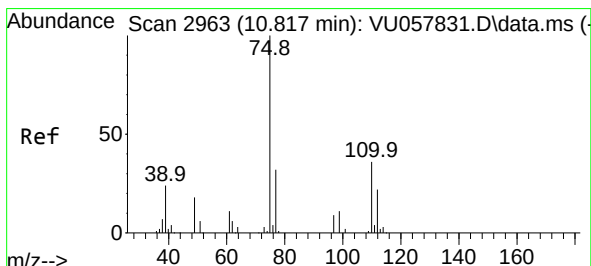
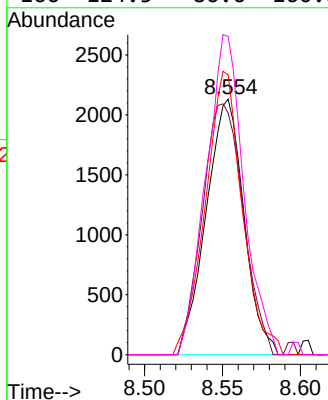
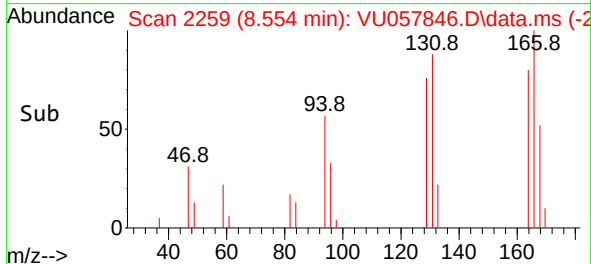


#46
Tetrachloroethene
Concen: 2.556 ug/L
RT: 8.554 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

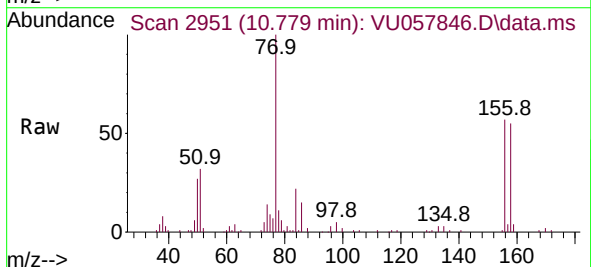
Instrument :
MSVOA_U
ClientSampleId :



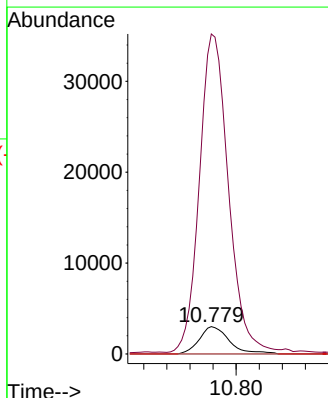
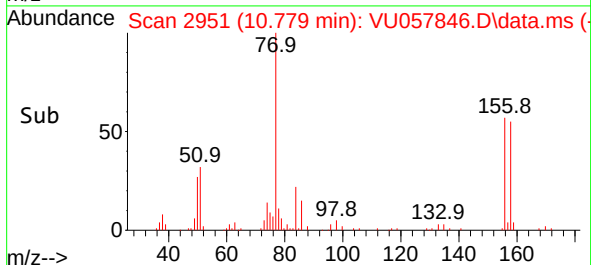
Tgt Ion:164 Resp: 3583
Ion Ratio Lower Upper
164 100
129 94.6 70.8 131.4
131 109.5 66.8 124.0
166 124.5 86.6 160.8

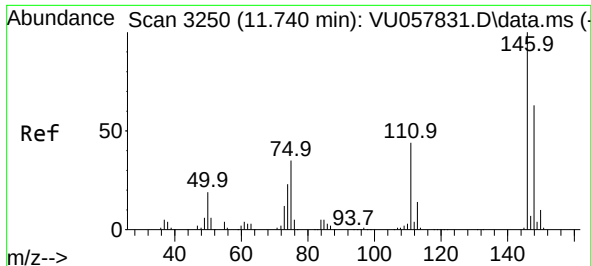


#60
1,2,3-Trichloropropane
Concen: 1.702 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. -0.039 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35



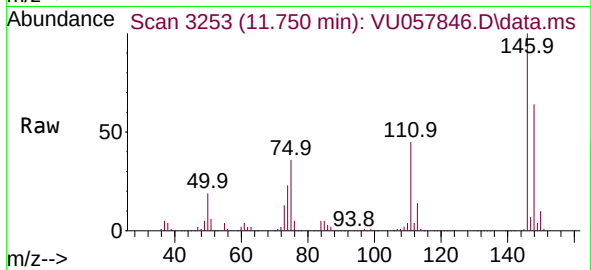
Tgt Ion: 75 Resp: 5435
Ion Ratio Lower Upper
75 100
77 1120.5 26.1 39.1#
110 0.0 29.1 43.7#



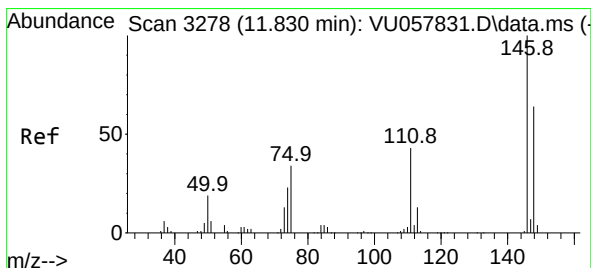
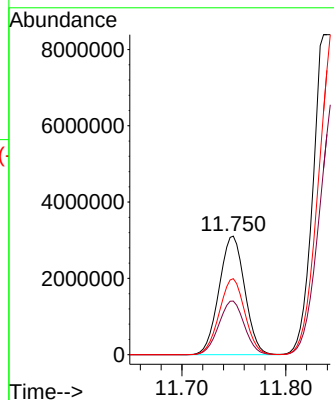
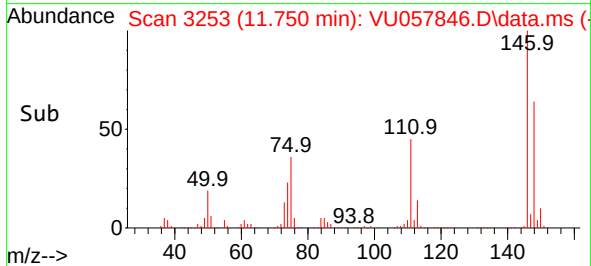


#64
1,3-Dichlorobenzene
Concen: 1106.676 ug/L
RT: 11.750 min Scan# 31
Delta R.T. 0.010 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

Instrument :
MSVOA_U
ClientSampleId :

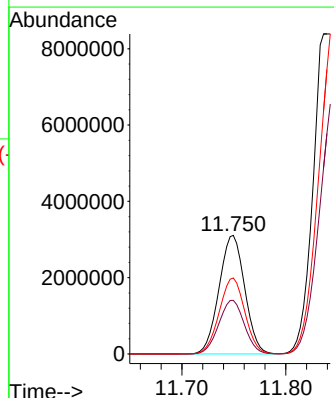
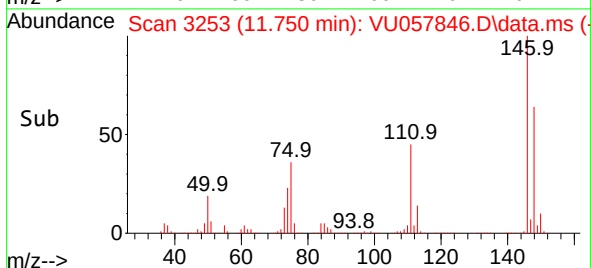
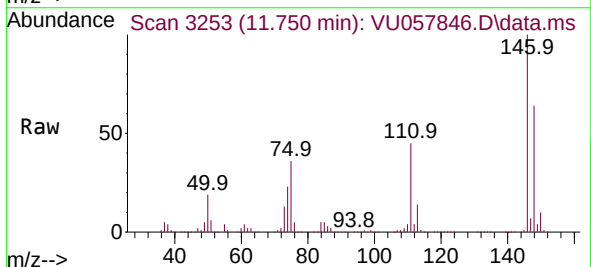


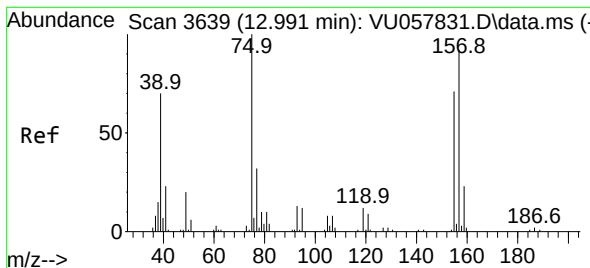
Tgt Ion:146 Resp: 5343220
Ion Ratio Lower Upper
146 100
111 45.2 31.1 57.7
148 64.1 46.8 86.8



#65
1,4-Dichlorobenzene
Concen: 1078.942 ug/L
RT: 11.750 min Scan# 3253
Delta R.T. -0.080 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

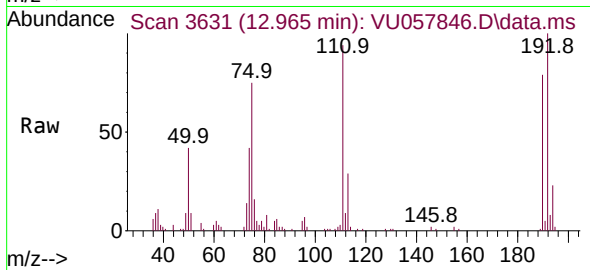
Tgt Ion:146 Resp: 5343220
Ion Ratio Lower Upper
146 100
111 45.2 30.5 56.7
148 64.1 45.3 84.1



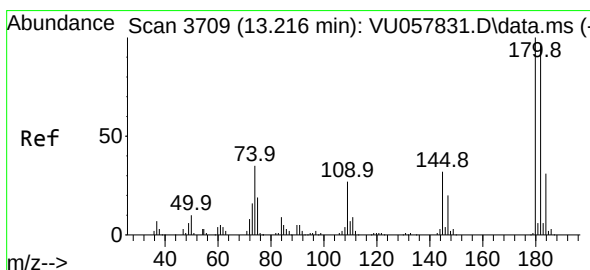
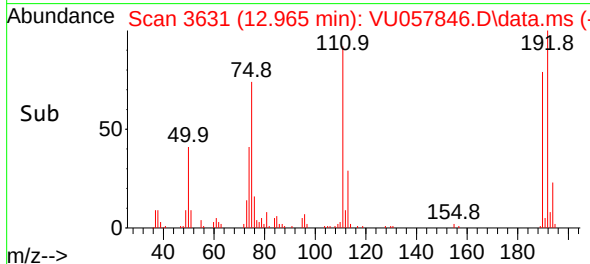
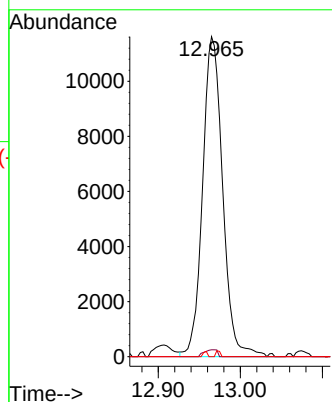


#68
1,2-Dibromo-3-chloropropane
Concen: 24.387 ug/L
RT: 12.965 min Scan# 30
Delta R.T. -0.026 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

Instrument :
MSVOA_U
ClientSampleId :

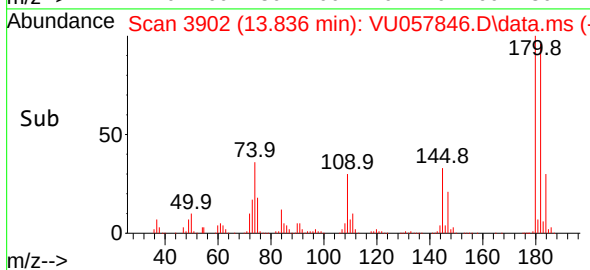
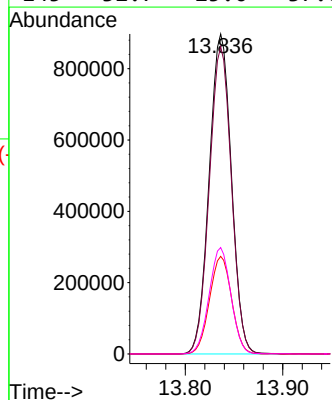
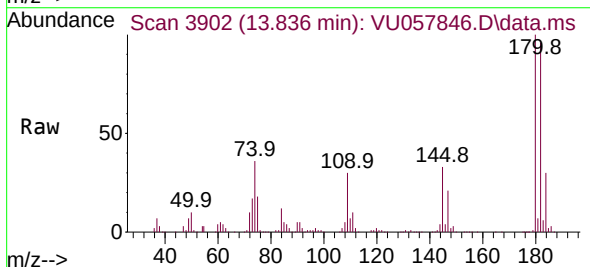


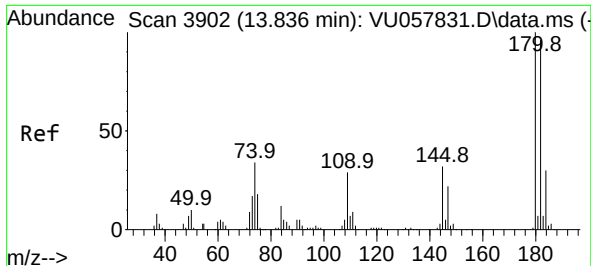
Tgt Ion: 75 Resp: 19750
Ion Ratio Lower Upper
75 100
155 2.2 55.9 83.9#
157 0.0 71.1 106.7#



#69
1,3,5-Trichlorobenzene
Concen: 417.135 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.621 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

Tgt Ion:180 Resp: 1418490
Ion Ratio Lower Upper
180 100
182 95.6 76.0 114.0
184 30.4 24.3 36.5
145 32.7 25.0 37.6

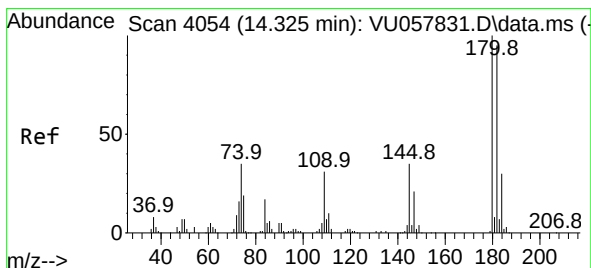
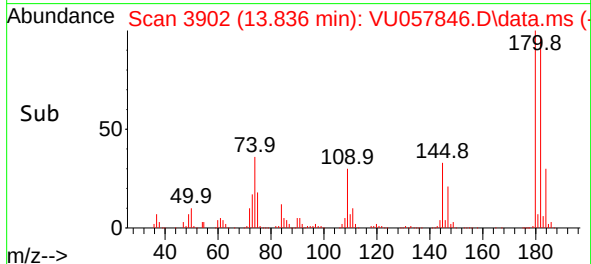
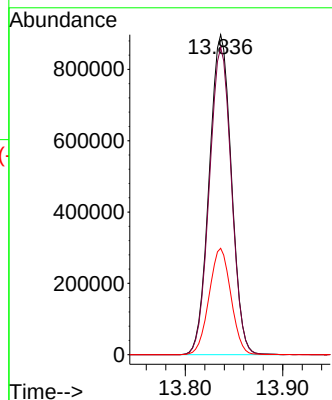
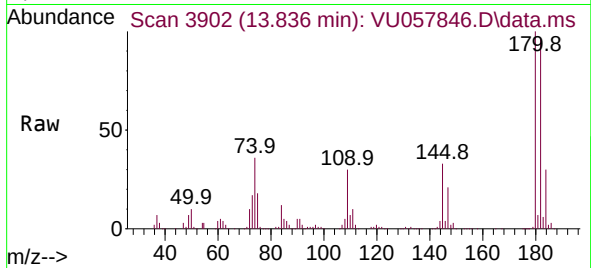




#70
1,2,4-trichlorobenzene
Concen: 488.315 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. -0.000 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 1418490
Ion Ratio Lower Upper
180 100
182 95.6 76.0 114.0
145 32.7 25.5 38.3



#72
1,2,3-Trichlorobenzene
Concen: 123.104 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

Tgt Ion:180 Resp: 334607
Ion Ratio Lower Upper
180 100
182 94.6 76.6 114.8
145 34.9 27.7 41.5

