

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
 Data File : VU051661.D
 Acq On : 01 Nov 2022 18:04
 Operator : JC/MD
 Sample : N5301-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 02 02:05:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 02 01:48:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	196967	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	204038	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	89232	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	82486	5.560	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.200%
7) Chloroethane-d5	1.906	69	72104	4.660	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.562	65	33092	6.146	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	123.000%
20) 2-Butanone-d5	4.620	46	182178	33.910	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.820%
24) Chloroform-d	5.060	84	156638	4.512	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.700	65	78975	4.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
32) Benzene-d6	5.726	84	312853	4.859	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.691	67	102837	4.567	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.400%
41) Toluene-d8	7.896	98	247630	4.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
43) trans-1,3-Dichloroprop...	8.179	79	31594	4.589	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.629	63	144666	34.908	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.820%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	84665	4.103	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	91925	5.613	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.200%
Target Compounds						Qvalue
3) Chloromethane	1.527	50	5107	0.188	ug/L #	74
8) Chloroethane	1.807	64	17439	1.104	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	892	0.053	ug/L #	19
14) Carbon disulfide	2.790	76	9132	0.165	ug/L	97
22) cis-1,2-Dichloroethene	4.662	96	5778	0.284	ug/L	86
33) Benzene	5.774	78	12675	0.157	ug/L	100
34) Trichloroethene	6.543	95	15082	0.776	ug/L	95
35) Methylcyclohexane	6.687	83	23570	0.877	ug/L #	20
37) 1,2-Dichloropropane	6.691	63	10267	0.496	ug/L #	88
42) Toluene	7.970	91	16623	0.201	ug/L	97
47) Tetrachloroethene	8.552	164	14522	0.976	ug/L	94
49) Dibromochloromethane	8.549	129	13986	0.807	ug/L #	10
51) Chlorobenzene	9.446	112	35507	0.682	ug/L	97
61) 1,2,3-Trichloropropane	11.809	75	12618	1.094	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.465	105	2356	0.134	ug/L	89
65) 1,4-Dichlorobenzene	11.835	146	7540	0.232	ug/L	93
67) 1,2-Dichlorobenzene	12.211	146	7378	0.234	ug/L	98
71) Naphthalene	14.092	128	5014	0.151	ug/L #	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 02 01:48:00 2022
Response via : Initial Calibration

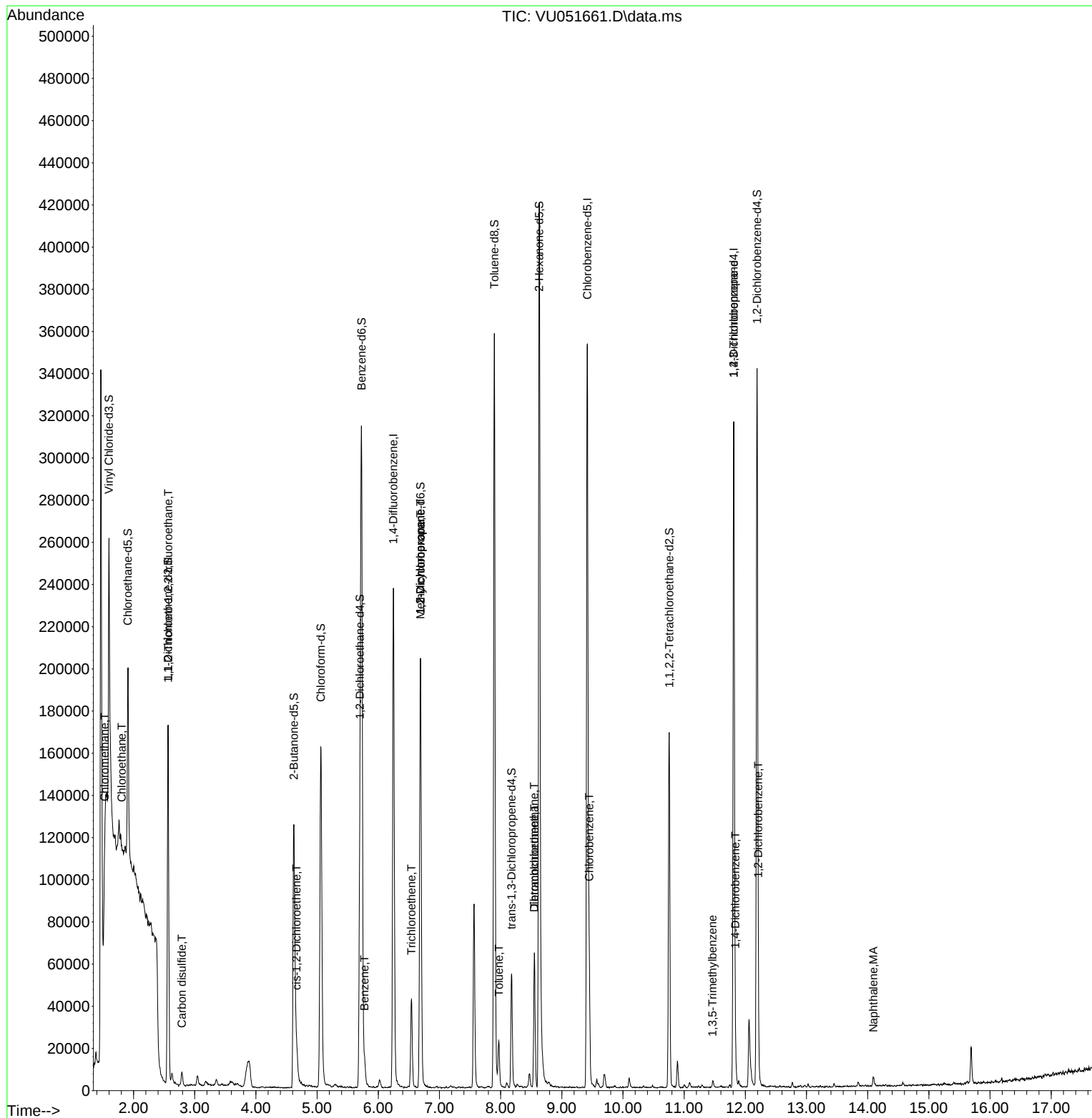
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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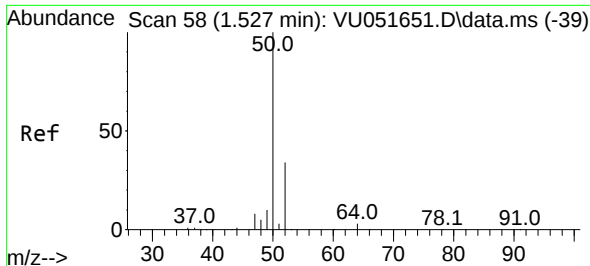
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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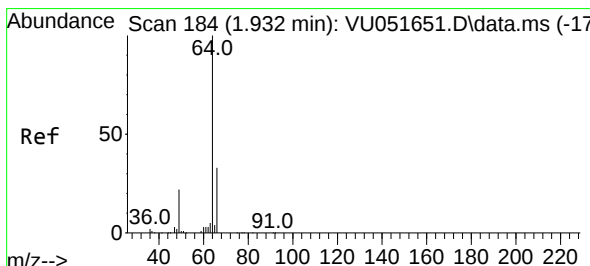
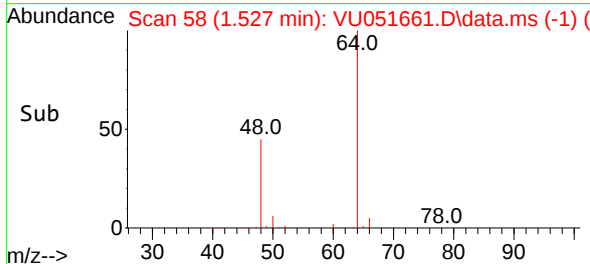
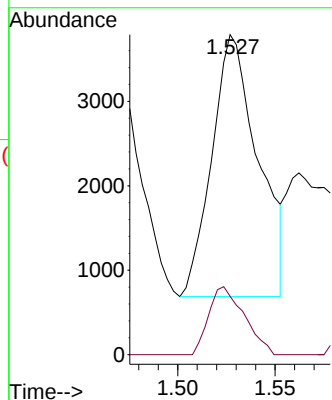
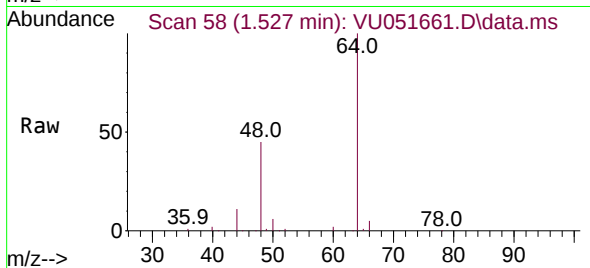




#3
Chloromethane
Concen: 0.188 ug/L
RT: 1.527 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU051661.D
Acq: 01 Nov 2022 18:04

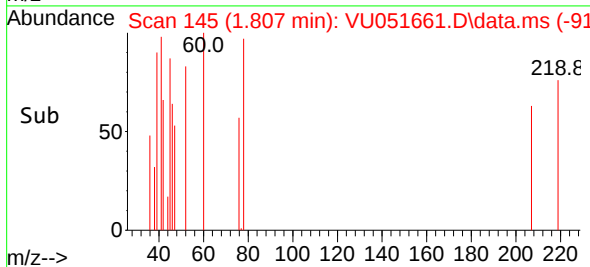
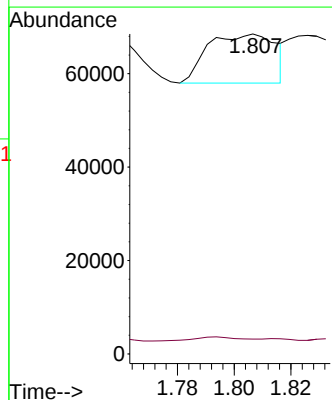
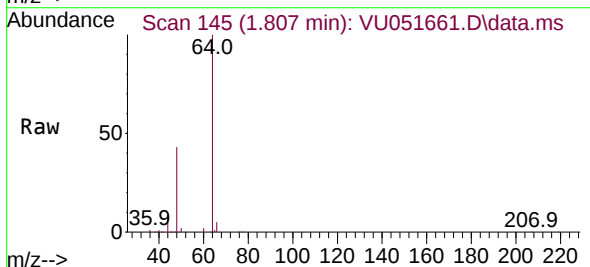
Instrument :
MSVOA_U
ClientSampleId :

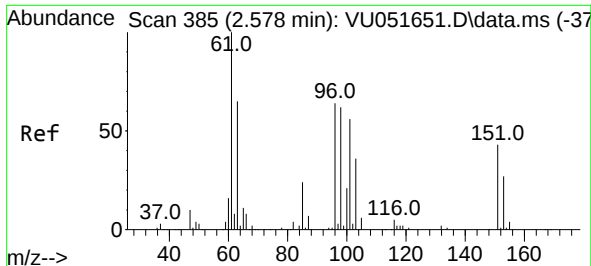
Tgt Ion: 50 Resp: 5107
Ion Ratio Lower Upper
50 100
52 18.3 23.2 43.2#



#8
Chloroethane
Concen: 1.104 ug/L
RT: 1.807 min Scan# 145
Delta R.T. -0.125 min
Lab File: VU051661.D
Acq: 01 Nov 2022 18:04

Tgt Ion: 64 Resp: 17439
Ion Ratio Lower Upper
64 100
66 4.6 22.3 41.5#

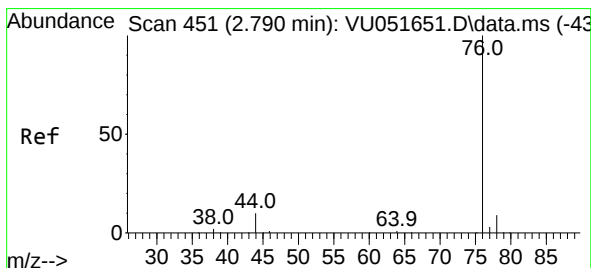
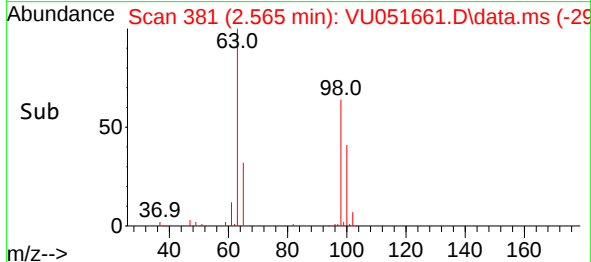
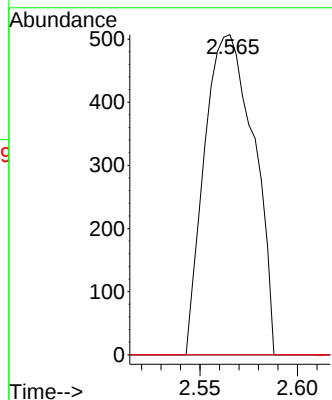
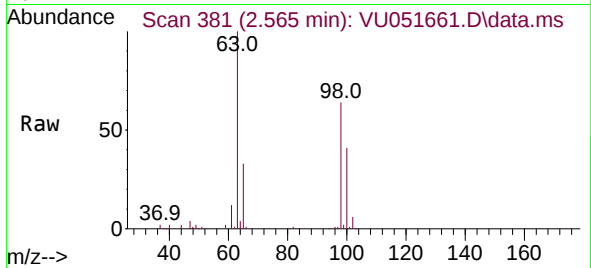




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.053 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.013 min
Lab File: VU051661.D
Acq: 01 Nov 2022 18:04

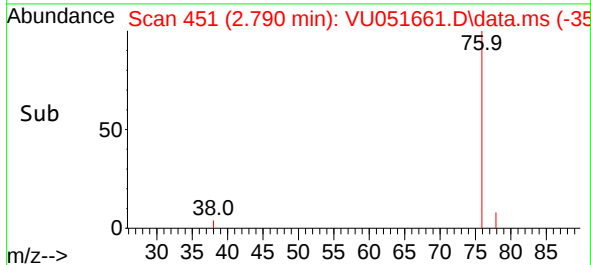
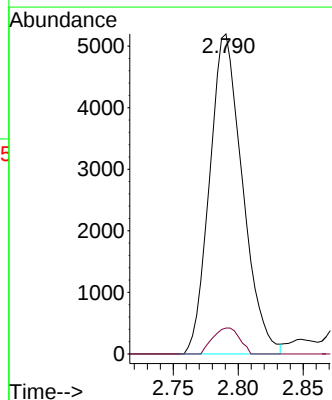
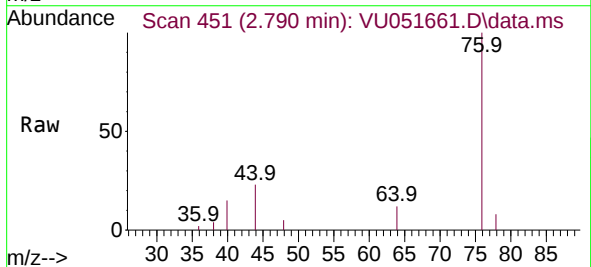
Instrument :
MSVOA_U
ClientSampleId :

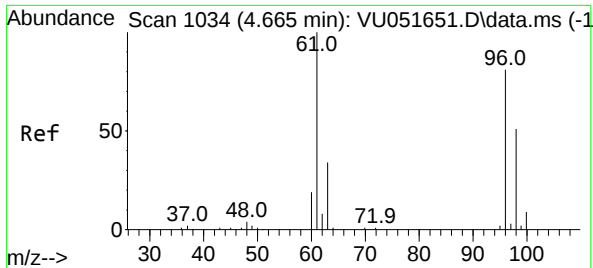
Tgt Ion:101 Resp: 892
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 59.6 89.4#



#14
Carbon disulfide
Concen: 0.165 ug/L
RT: 2.790 min Scan# 451
Delta R.T. 0.000 min
Lab File: VU051661.D
Acq: 01 Nov 2022 18:04

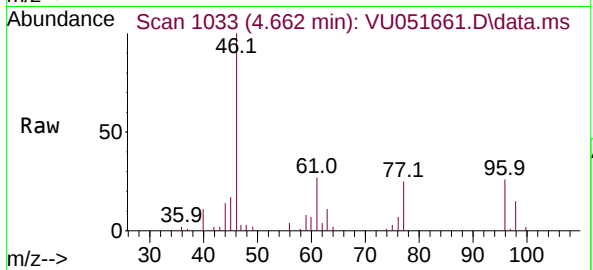
Tgt Ion: 76 Resp: 9132
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.2





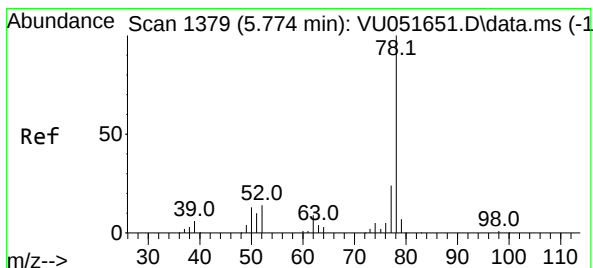
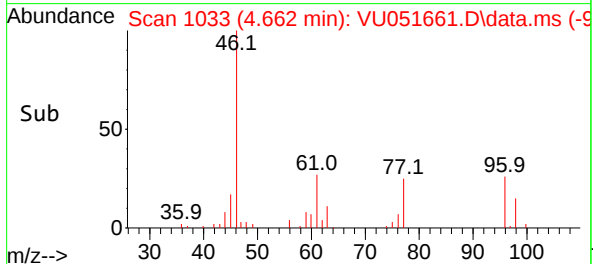
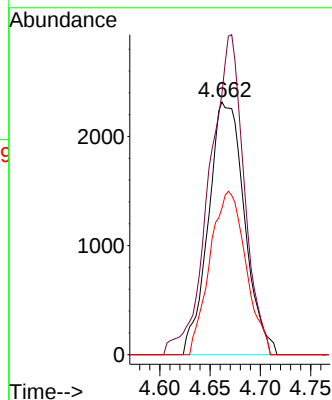
#22
 cis-1,2-Dichloroethene
 Concen: 0.284 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. -0.003 min
 Lab File: VU051661.D
 Acq: 01 Nov 2022 18:04

Instrument :
 MSVOA_U
 ClientSampleId :



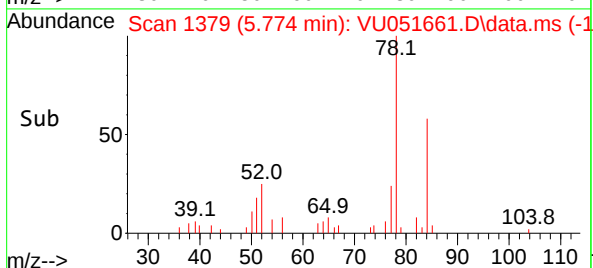
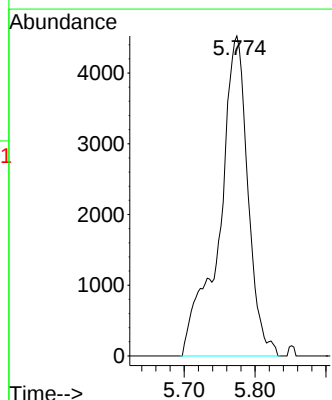
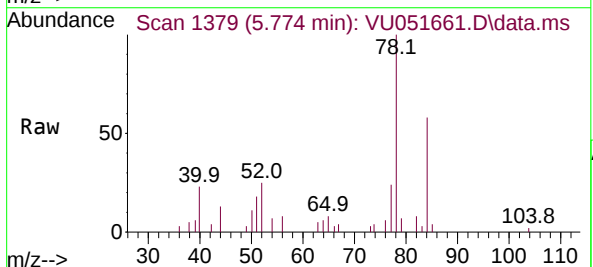
Tgt Ion: 96 Resp: 5778

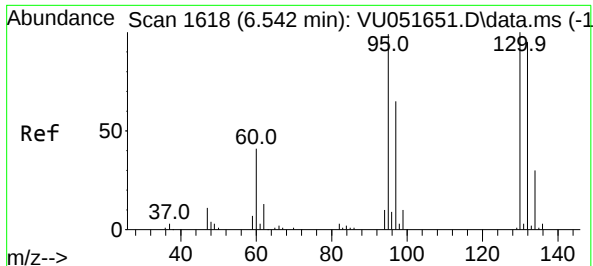
Ion	Ratio	Lower	Upper
96	100		
61	103.3	86.4	160.4
98	58.0	44.2	82.2



#33
 Benzene
 Concen: 0.157 ug/L
 RT: 5.774 min Scan# 1379
 Delta R.T. 0.000 min
 Lab File: VU051661.D
 Acq: 01 Nov 2022 18:04

Tgt Ion: 78 Resp: 12675

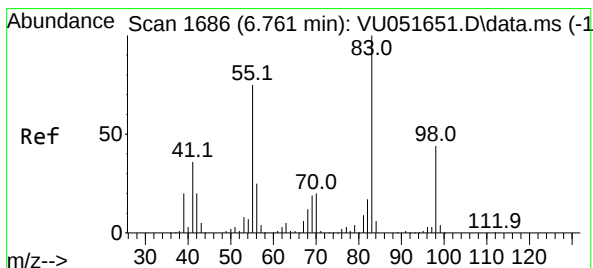
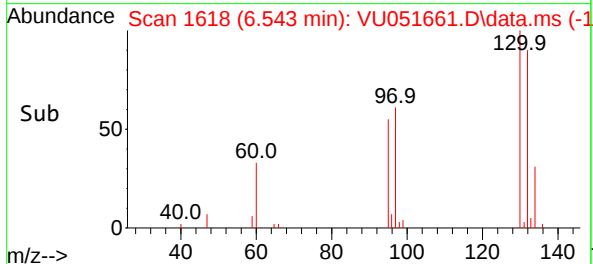
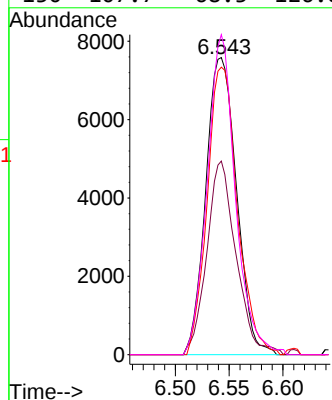
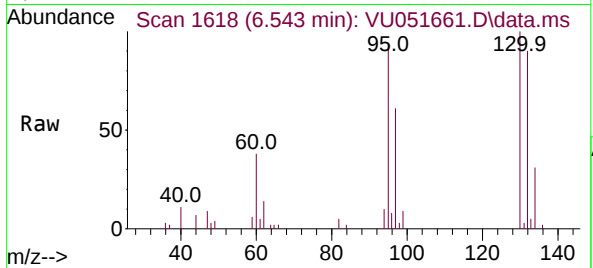




#34
Trichloroethene
Concen: 0.776 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU051661.D
Acq: 01 Nov 2022 18:04

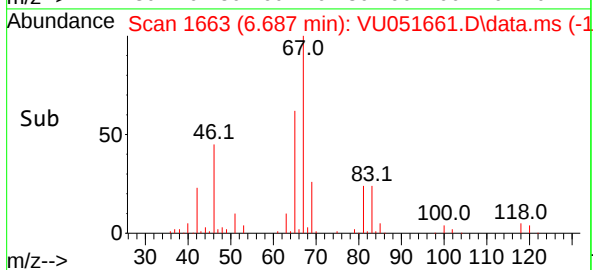
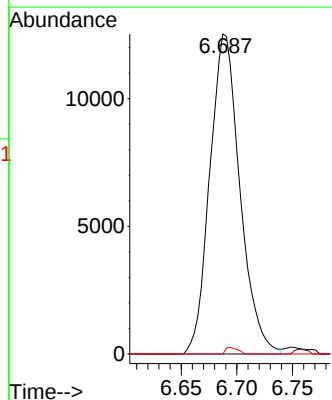
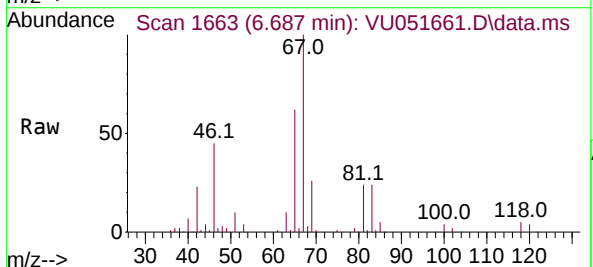
Instrument :
MSVOA_U
ClientSampleId :

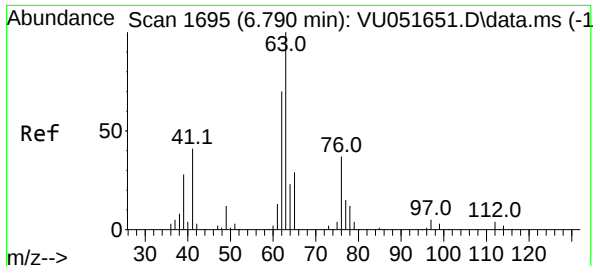
Tgt Ion: 95 Resp: 15082
Ion Ratio Lower Upper
95 100
97 65.1 45.2 84.0
132 96.8 66.5 123.5
130 107.7 68.3 126.8



#35
Methylcyclohexane
Concen: 0.877 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU051661.D
Acq: 01 Nov 2022 18:04

Tgt Ion: 83 Resp: 23570
Ion Ratio Lower Upper
83 100
55 0.6 60.6 90.8#
98 0.8 35.8 53.6#





#37

1,2-Dichloropropane

Concen: 0.496 ug/L

RT: 6.691 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU051661.D

Acq: 01 Nov 2022 18:04

Instrument :

MSVOA_U

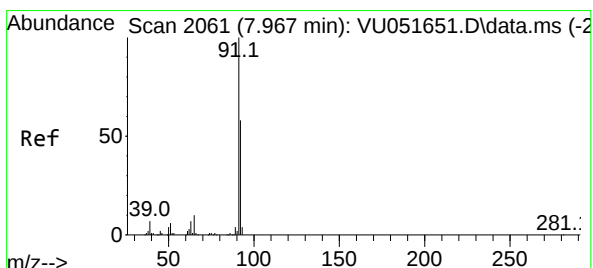
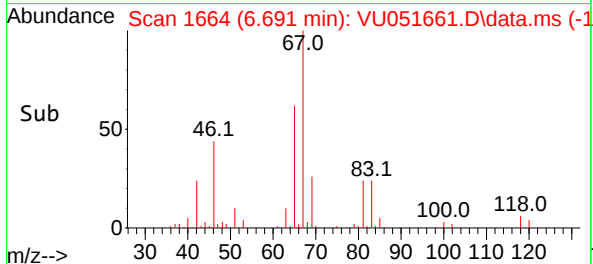
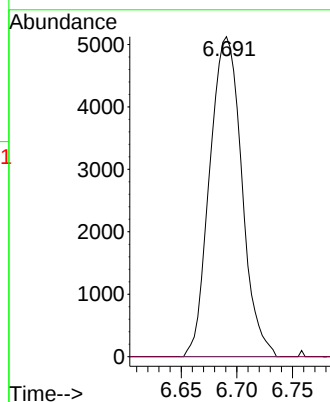
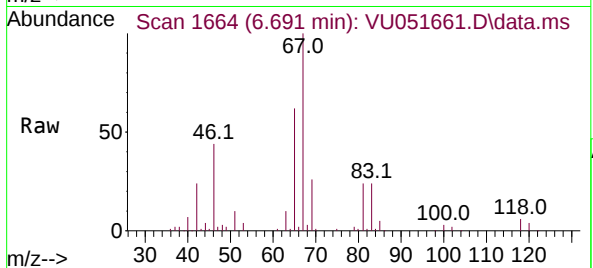
ClientSampleId :

Tgt Ion: 63 Resp: 10267

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#42

Toluene

Concen: 0.201 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.004 min

Lab File: VU051661.D

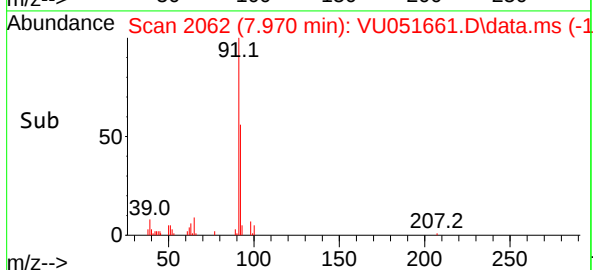
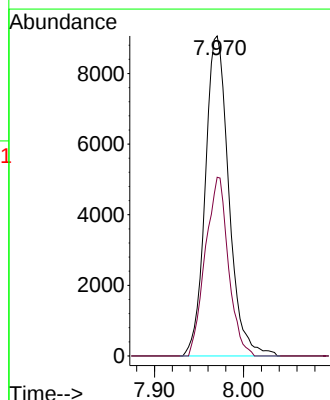
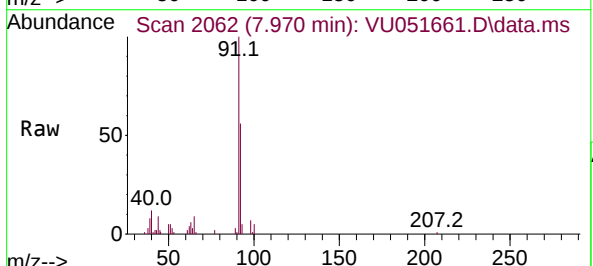
Acq: 01 Nov 2022 18:04

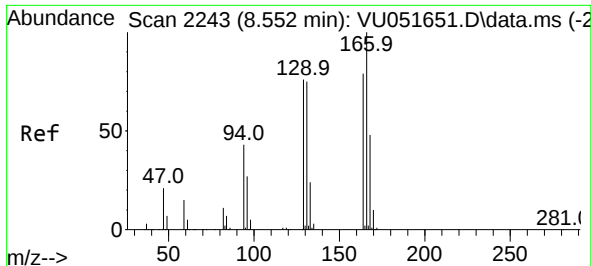
Tgt Ion: 91 Resp: 16623

Ion Ratio Lower Upper

91 100

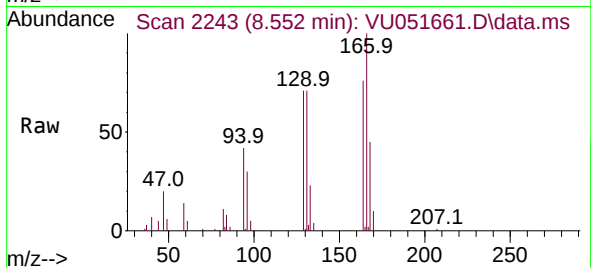
92 55.9 40.5 75.3



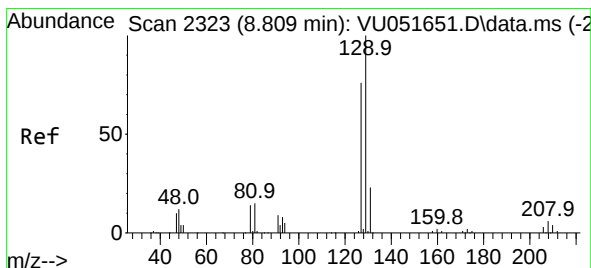
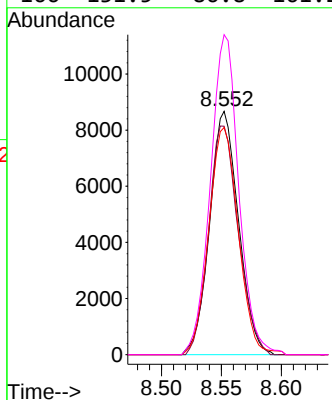
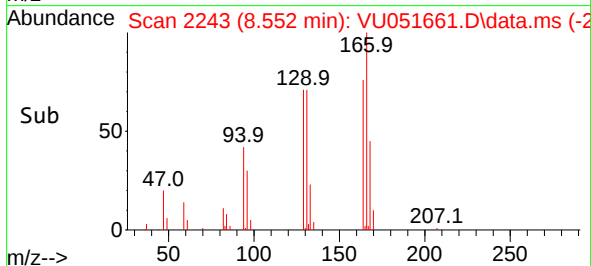


#47
Tetrachloroethene
Concen: 0.976 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051661.D
Acq: 01 Nov 2022 18:04

Instrument :
MSVOA_U
ClientSampleId :

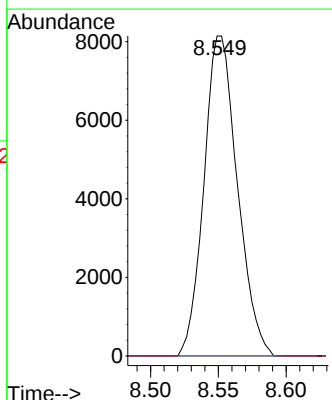
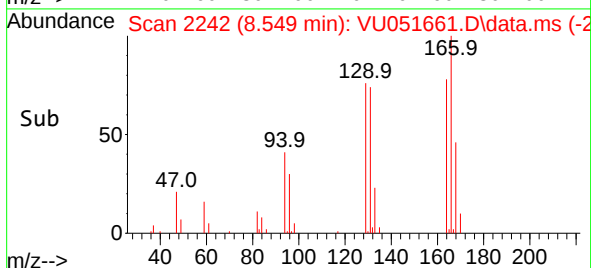
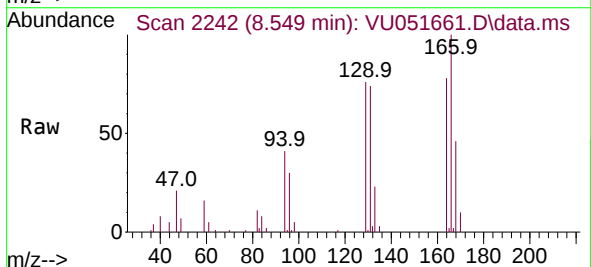


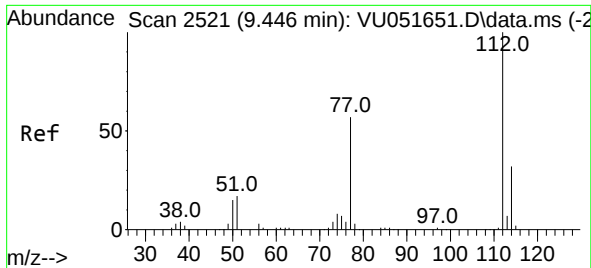
Tgt Ion:164 Resp: 14522
Ion Ratio Lower Upper
164 100
129 93.9 64.0 118.8
131 93.3 60.7 112.7
166 131.5 86.8 161.2



#49
Dibromochloromethane
Concen: 0.807 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.260 min
Lab File: VU051661.D
Acq: 01 Nov 2022 18:04

Tgt Ion:129 Resp: 13986
Ion Ratio Lower Upper
129 100
127 0.0 54.8 101.8#

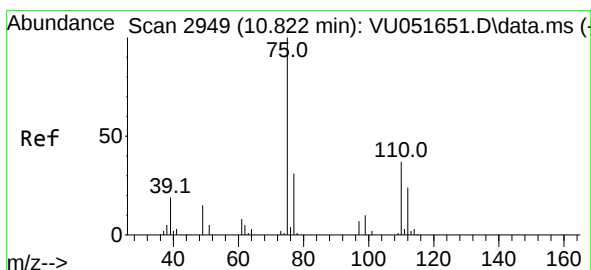
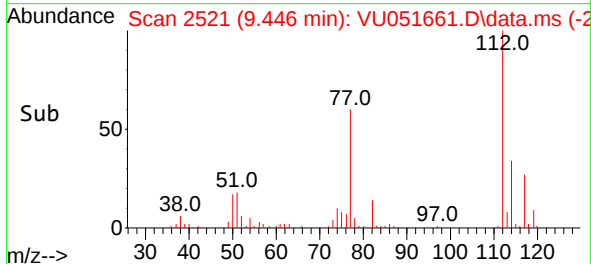
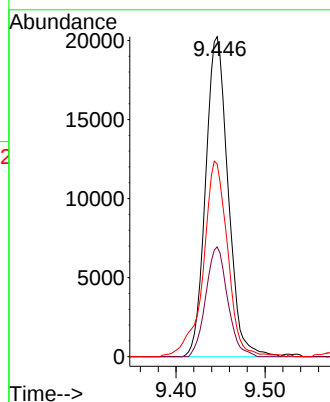
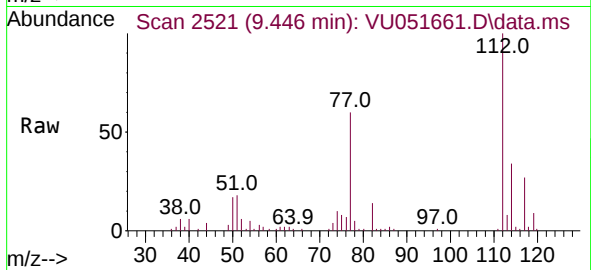




#51
Chlorobenzene
Concen: 0.682 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051661.D
Acq: 01 Nov 2022 18:04

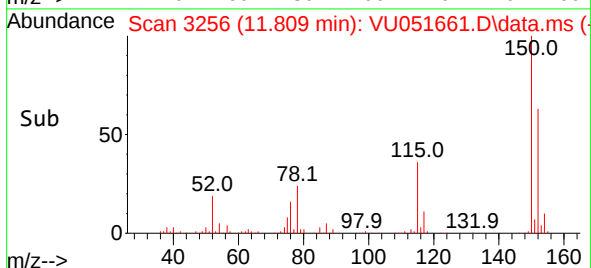
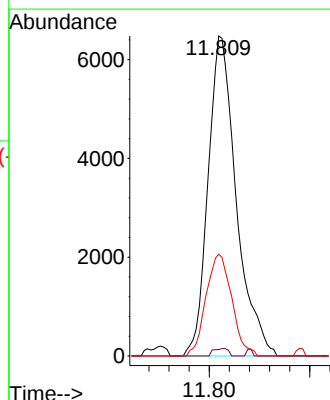
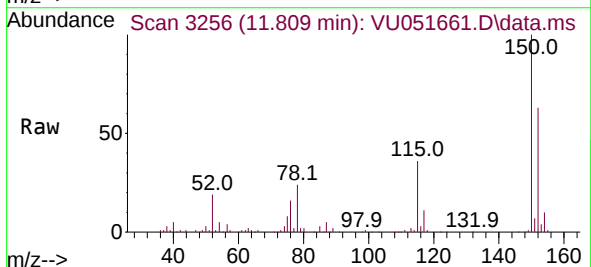
Instrument :
MSVOA_U
ClientSampleId :

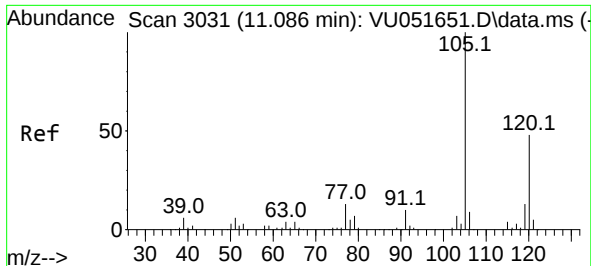
Tgt Ion:112 Resp: 35507
Ion Ratio Lower Upper
112 100
114 34.3 22.0 40.8
77 60.3 46.7 70.1



#61
1,2,3-Trichloropropane
Concen: 1.094 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU051661.D
Acq: 01 Nov 2022 18:04

Tgt Ion: 75 Resp: 12618
Ion Ratio Lower Upper
75 100
110 1.2 28.7 43.1#
77 29.0 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 0.134 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.380 min

Lab File: VU051661.D

Acq: 01 Nov 2022 18:04

Instrument :

MSVOA_U

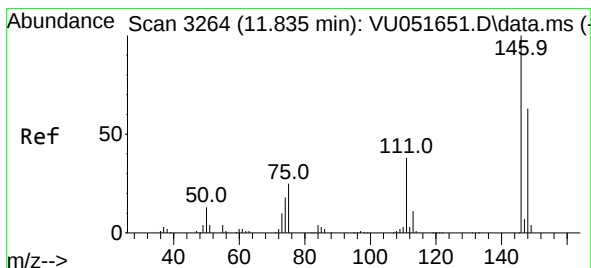
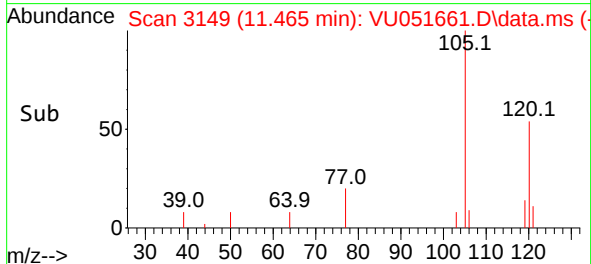
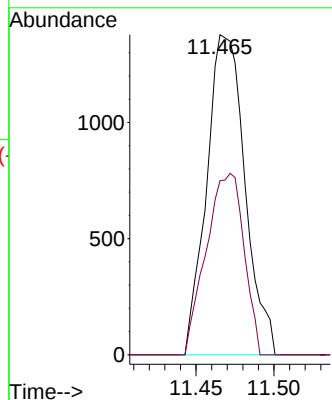
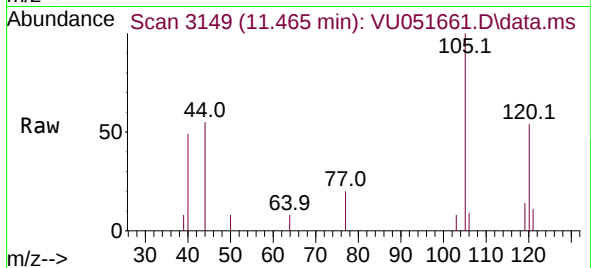
ClientSampleId :

Tgt Ion:105 Resp: 2356

Ion Ratio Lower Upper

105 100

120 55.6 38.6 57.8



#65

1,4-Dichlorobenzene

Concen: 0.232 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.000 min

Lab File: VU051661.D

Acq: 01 Nov 2022 18:04

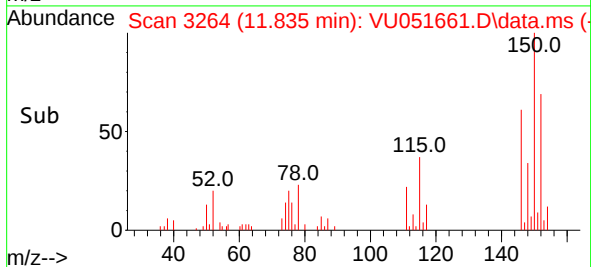
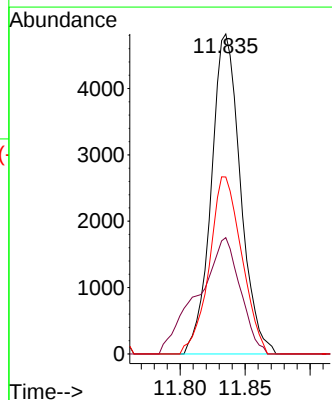
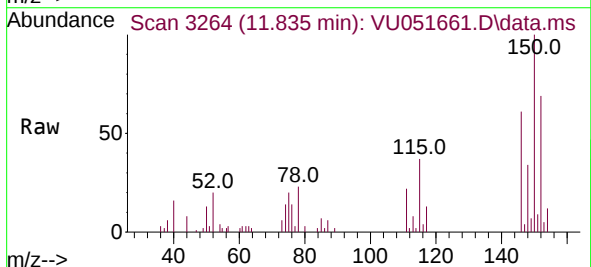
Tgt Ion:146 Resp: 7540

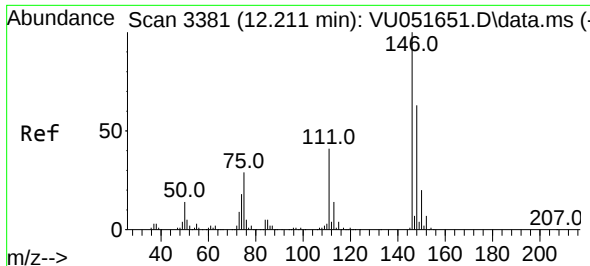
Ion Ratio Lower Upper

146 100

111 36.3 26.7 49.5

148 55.3 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.234 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051661.D

Acq: 01 Nov 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

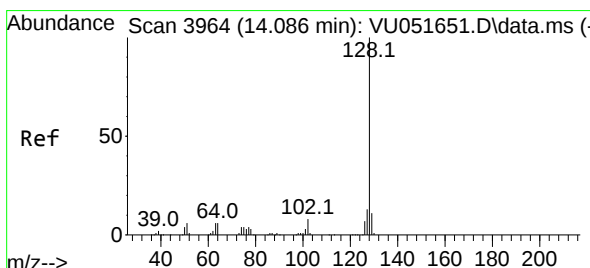
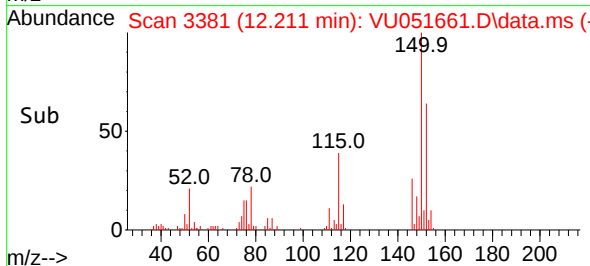
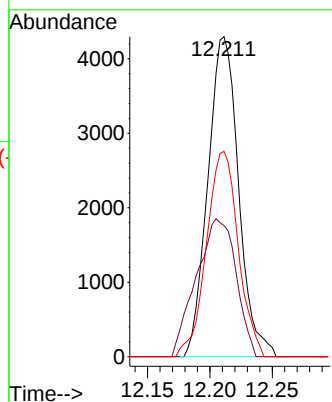
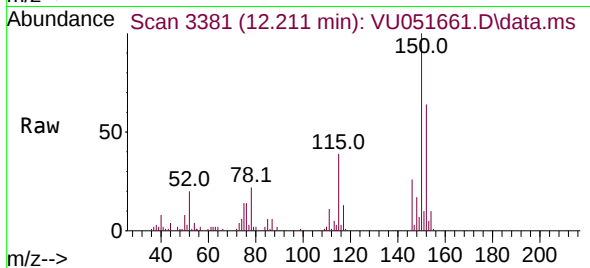
Tgt Ion:146 Resp: 7378

Ion Ratio Lower Upper

146 100

111 40.9 34.2 51.2

148 64.1 50.1 75.1



#71

Naphthalene

Concen: 0.151 ug/L

RT: 14.092 min Scan# 3966

Delta R.T. 0.007 min

Lab File: VU051661.D

Acq: 01 Nov 2022 18:04

Tgt Ion:128 Resp: 5014

Ion Ratio Lower Upper

128 100

129 7.9 8.4 12.6#

127 11.4 10.3 15.5

