

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112322\
 Data File : VU052106.D
 Acq On : 23 Nov 2022 23:18
 Operator : JC/MD
 Sample : N5759-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 24 04:17:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 04:13:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	219705	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	222833	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	86503	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	81321	3.805	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.200%
7) Chloroethane-d5	1.912	69	74675	4.499	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.565	65	30869	4.030	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.600%
20) 2-Butanone-d5	4.616	46	206602	53.334	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.660%
24) Chloroform-d	5.060	84	152729	4.864	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.700	65	79738	5.028	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	5.726	84	311494	4.709	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.687	67	102207	4.992	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.896	98	234615	3.920	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	8.176	79	32756	4.390	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.629	63	161987	51.233	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.460%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	91649	5.163	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	86918	5.248	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.494	85	11432	0.600	ug/L	93
5) Vinyl chloride	1.604	62	130064	5.443	ug/L	95
8) Chloroethane	1.928	64	1230	0.083	ug/L #	64
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	5394	0.336	ug/L	93
12) 1,1-Dichloroethene	2.578	96	82738	5.191	ug/L	88
13) Acetone	2.623	43	6953	2.643	ug/L	90
15) Methyl Acetate	2.752	43	1523	0.223	ug/L #	48
17) Methyl tert-butyl Ether	3.366	73	4409	0.124	ug/L	96
19) 1,1-Dichloroethane	3.867	63	373829	12.140	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	558996	31.176	ug/L	99
27) 1,2-Dichloroethane	5.796	62	20390	1.067	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	391688	15.843	ug/L	99
31) Carbon tetrachloride	5.314	117	53645	2.554	ug/L	98
34) Trichloroethene	6.539	95	189382	10.470	ug/L	98
35) Methylcyclohexane	6.690	83	23973	0.921	ug/L #	20
37) 1,2-Dichloropropane	6.687	63	10079	0.537	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	2263	0.094	ug/L	85
61) 1,2,3-Trichloropropane	11.809	75	10499	1.060	ug/L #	66

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QLast Update : Thu Nov 24 04:13:15 2022
Response via : Initial Calibration

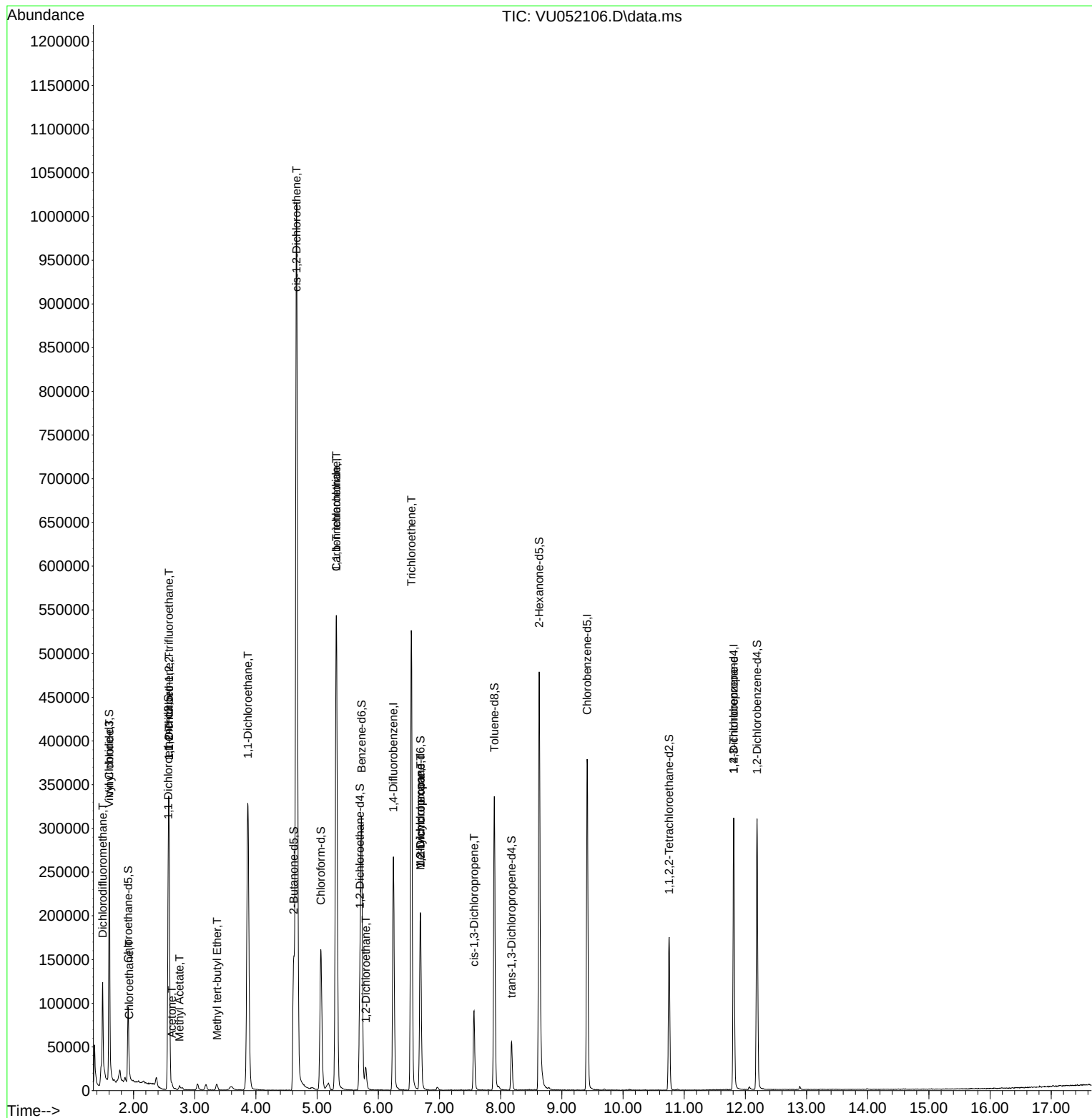
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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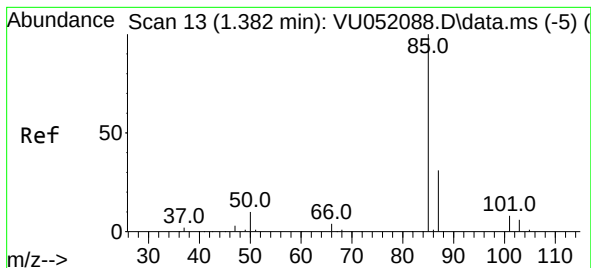
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.600 ug/L

RT: 1.494 min Scan# 48

Delta R.T. 0.112 min

Lab File: VU052106.D

Acq: 23 Nov 2022 23:18

Instrument :

MSVOA_U

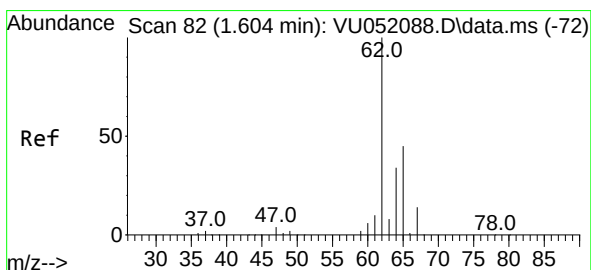
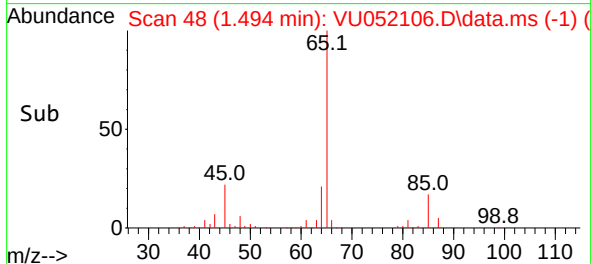
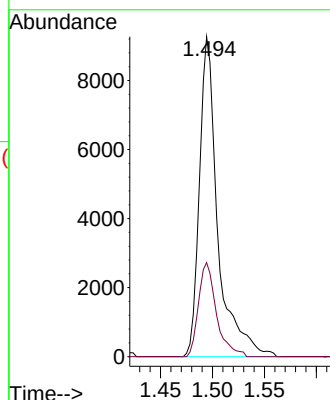
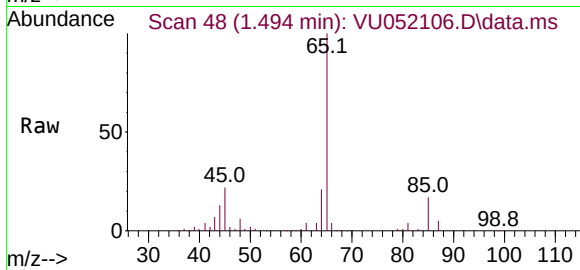
ClientSampleId :

Tgt Ion: 85 Resp: 11432

Ion Ratio Lower Upper

85 100

87 28.6 25.8 38.8



#5

Vinyl chloride

Concen: 5.443 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU052106.D

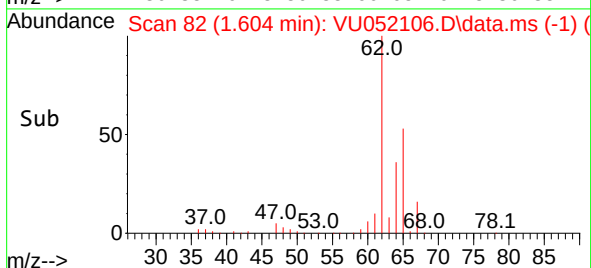
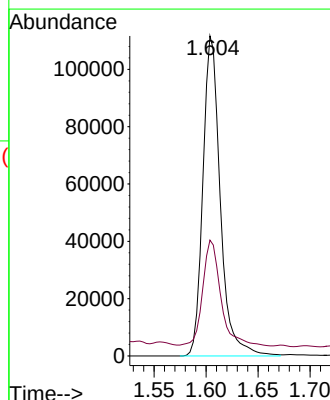
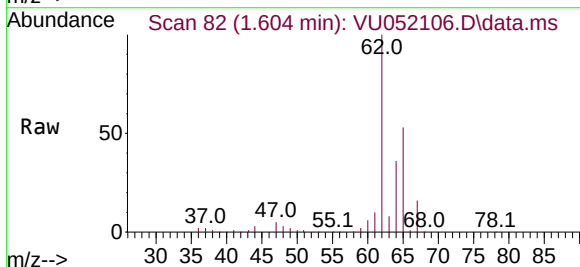
Acq: 23 Nov 2022 23:18

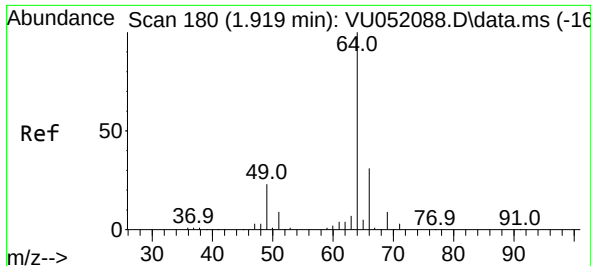
Tgt Ion: 62 Resp: 130064

Ion Ratio Lower Upper

62 100

64 36.2 23.5 43.7

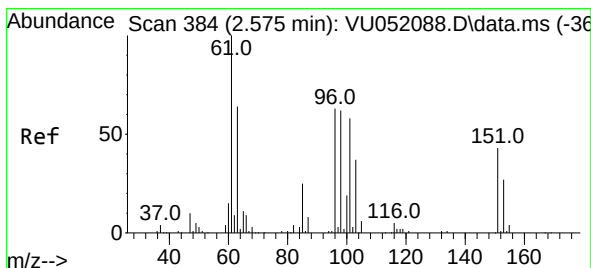
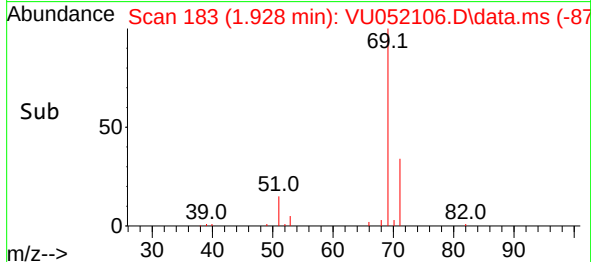
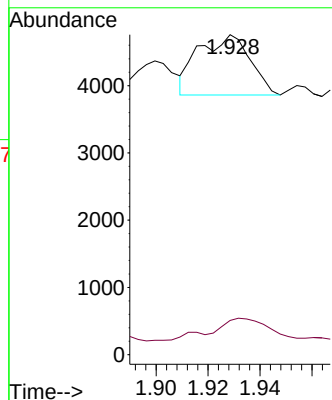
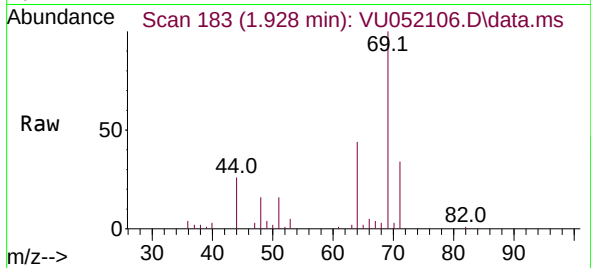




#8
Chloroethane
Concen: 0.083 ug/L
RT: 1.928 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU052106.D
Acq: 23 Nov 2022 23:18

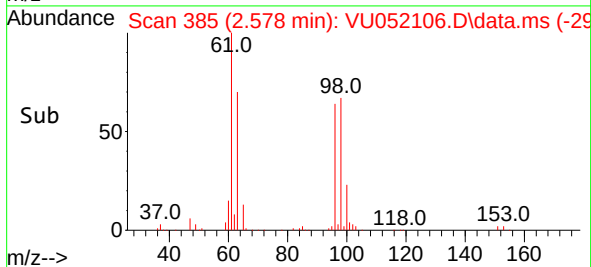
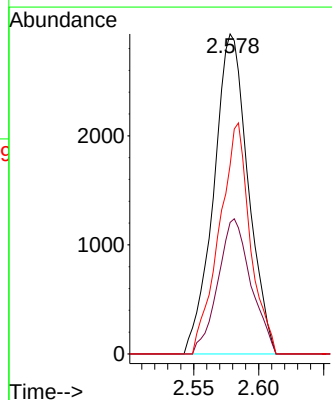
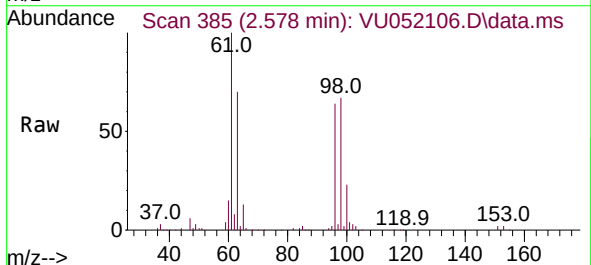
Instrument :
MSVOA_U
ClientSampleId :

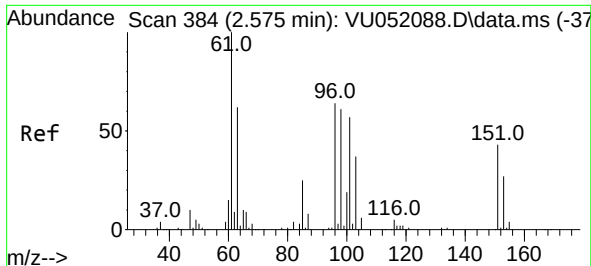
Tgt Ion: 64 Resp: 1230
Ion Ratio Lower Upper
64 100
66 10.7 21.1 39.1#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.336 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU052106.D
Acq: 23 Nov 2022 23:18

Tgt Ion:101 Resp: 5394
Ion Ratio Lower Upper
101 100
85 40.6 33.8 50.6
151 65.0 58.6 88.0

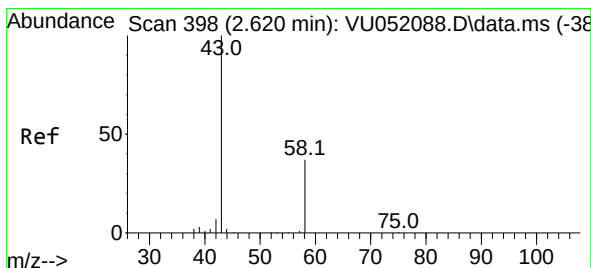
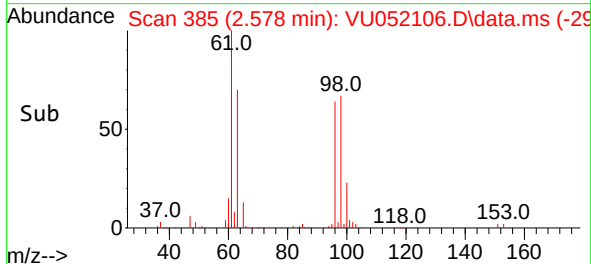
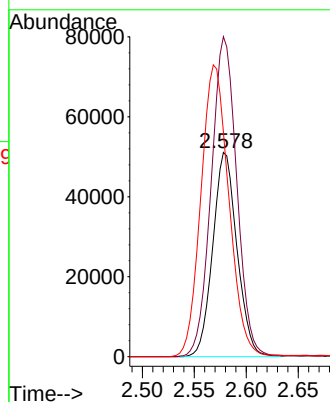
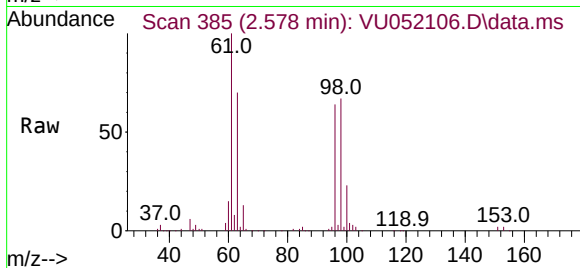




#12
1,1-Dichloroethene
Concen: 5.191 ug/L
RT: 2.578 min Scan# 384
Delta R.T. 0.003 min
Lab File: VU052106.D
Acq: 23 Nov 2022 23:18

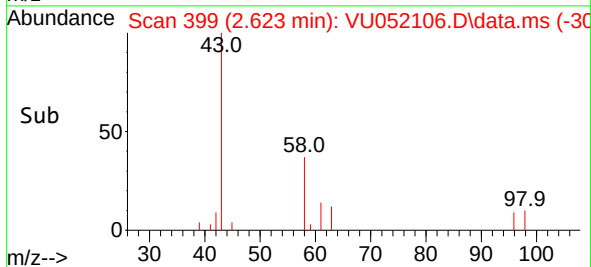
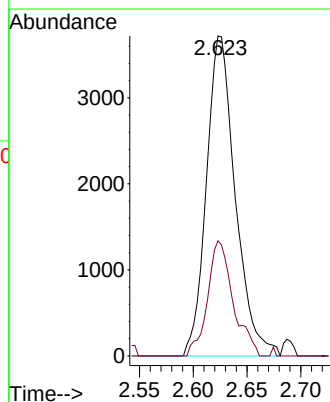
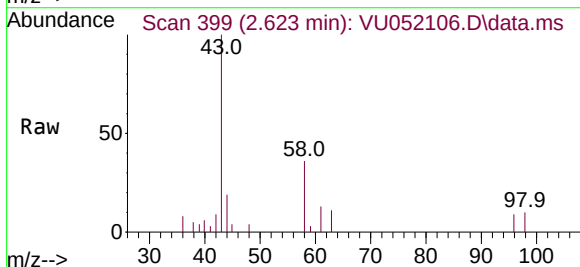
Instrument :
MSVOA_U
ClientSampleId :

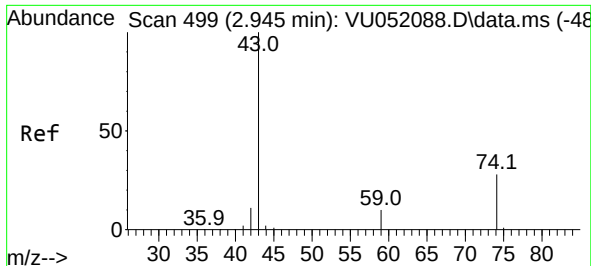
Tgt Ion: 96 Resp: 82738
Ion Ratio Lower Upper
96 100
61 156.6 114.8 213.2
63 110.0 93.7 174.1



#13
Acetone
Concen: 2.643 ug/L
RT: 2.623 min Scan# 399
Delta R.T. 0.003 min
Lab File: VU052106.D
Acq: 23 Nov 2022 23:18

Tgt Ion: 43 Resp: 6953
Ion Ratio Lower Upper
43 100
58 31.8 0.0 76.0

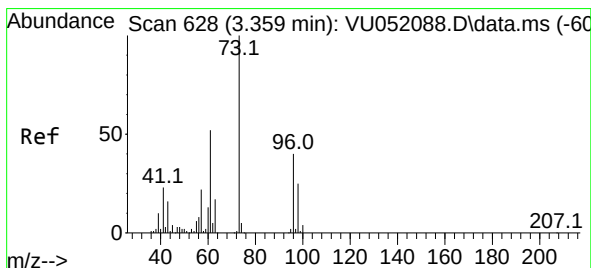
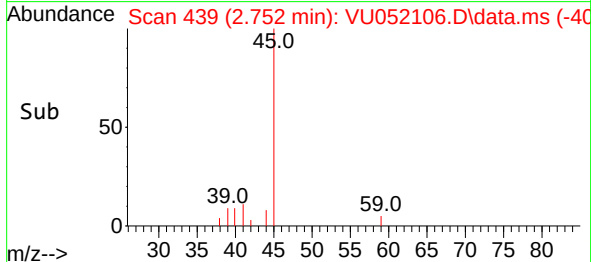
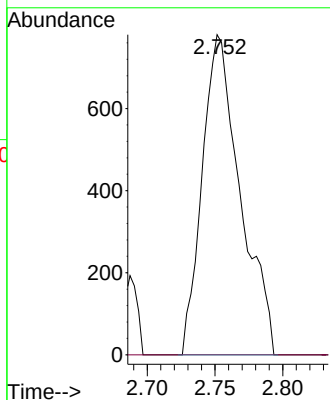
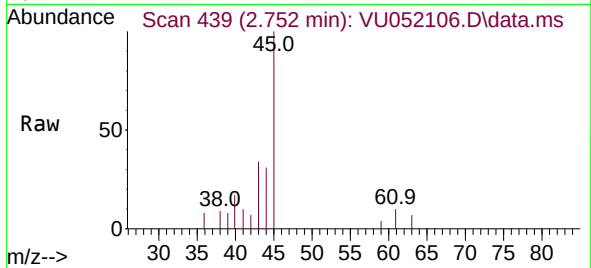




#15
Methyl Acetate
Concen: 0.223 ug/L
RT: 2.752 min Scan# 41
Delta R.T. -0.193 min
Lab File: VU052106.D
Acq: 23 Nov 2022 23:18

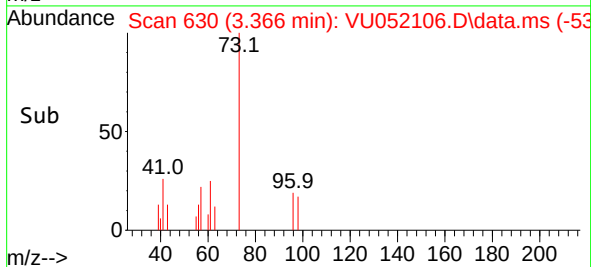
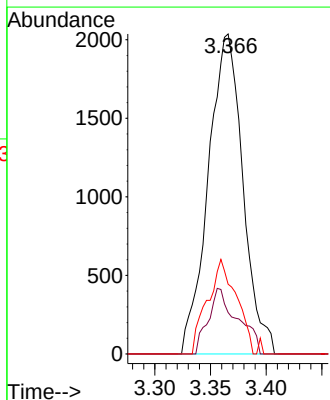
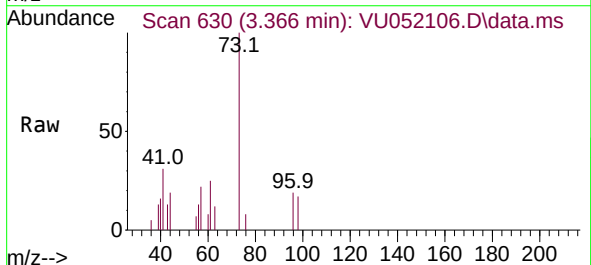
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MSVOA_U
ClientSampleId :

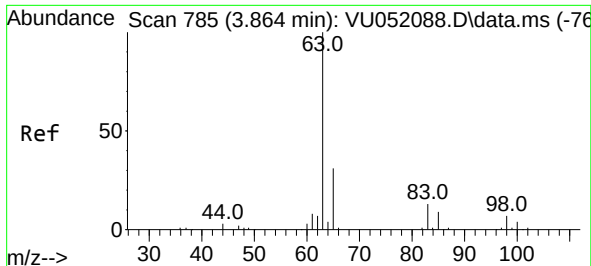
Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
74 0.0 21.3 31.9#



#17
Methyl tert-butyl Ether
Concen: 0.124 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.006 min
Lab File: VU052106.D
Acq: 23 Nov 2022 23:18

Tgt Ion: 73 Resp: 4409
Ion Ratio Lower Upper
73 100
43 17.4 13.2 19.8
57 24.7 17.8 26.8





#19

1,1-Dichloroethane

Concen: 12.140 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU052106.D

Acq: 23 Nov 2022 23:18

Instrument :

MSVOA_U

ClientSampleId :

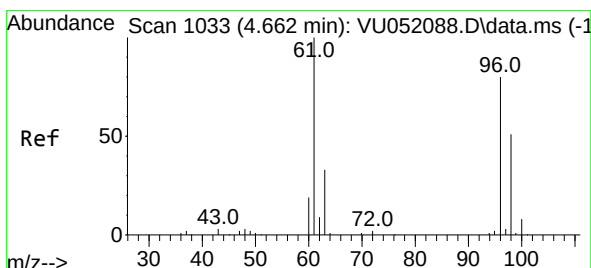
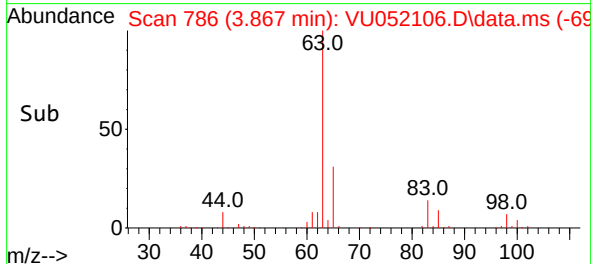
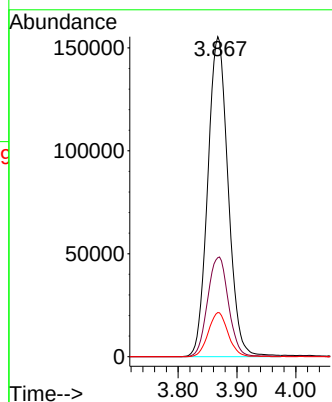
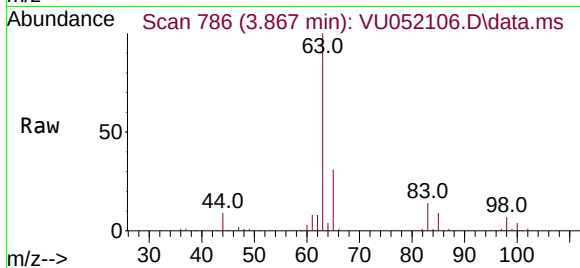
Tgt Ion: 63 Resp: 373829

Ion Ratio Lower Upper

63 100

65 31.0 22.2 41.2

83 13.8 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 31.176 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU052106.D

Acq: 23 Nov 2022 23:18

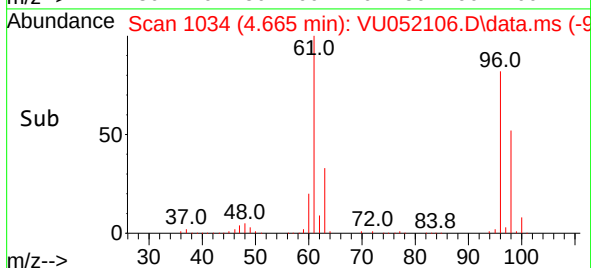
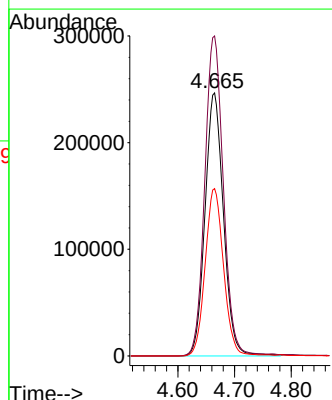
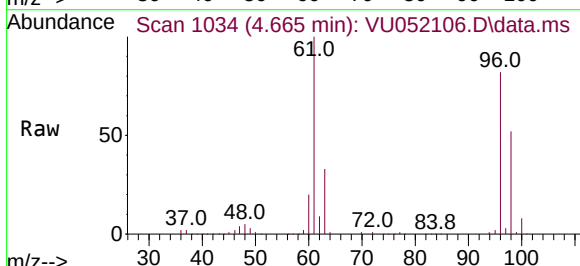
Tgt Ion: 96 Resp: 558996

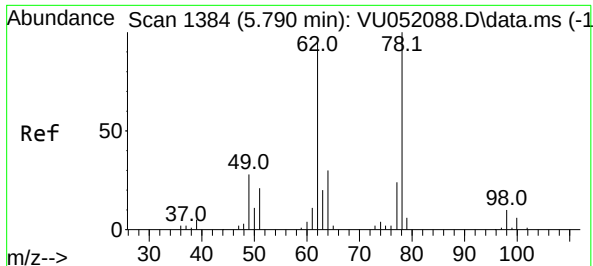
Ion Ratio Lower Upper

96 100

61 121.7 85.1 158.1

98 63.6 42.8 79.6

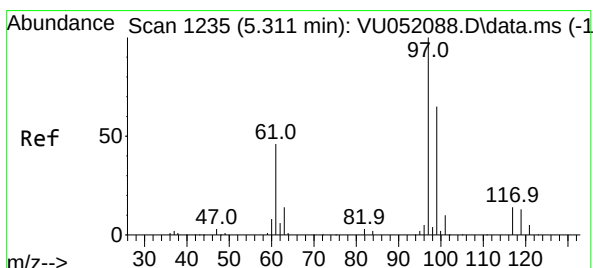
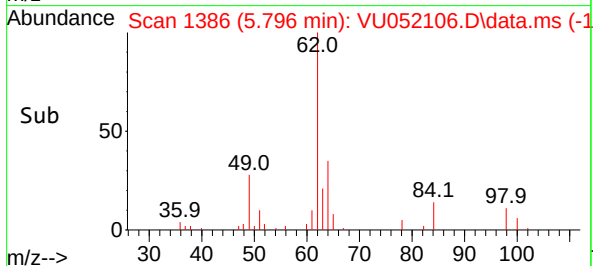
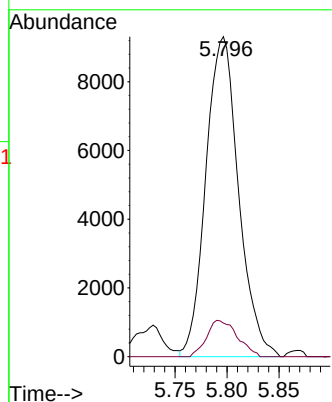
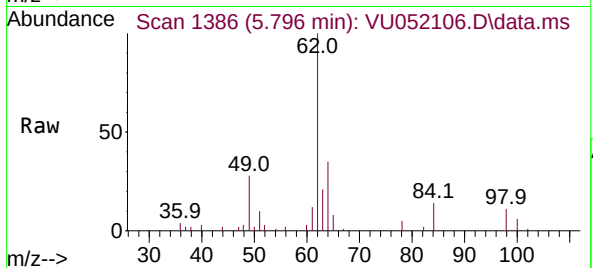




#27
1,2-Dichloroethane
Concen: 1.067 ug/L
RT: 5.796 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU052106.D
Acq: 23 Nov 2022 23:18

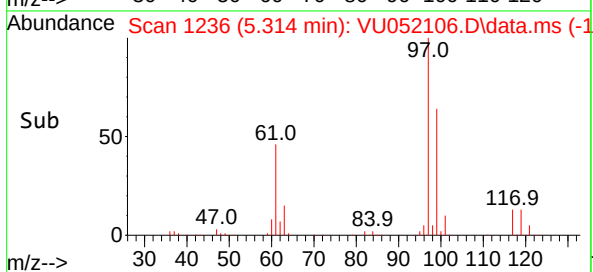
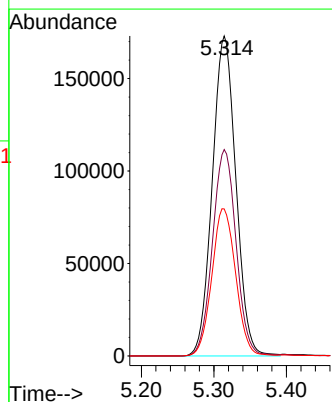
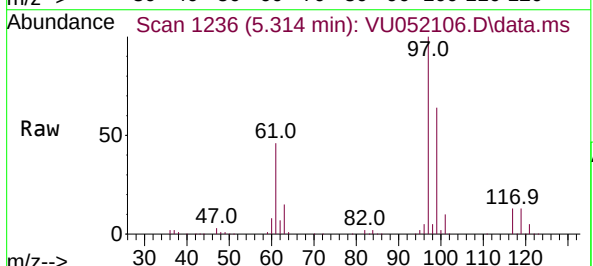
Instrument :
MSVOA_U
ClientSampleId :

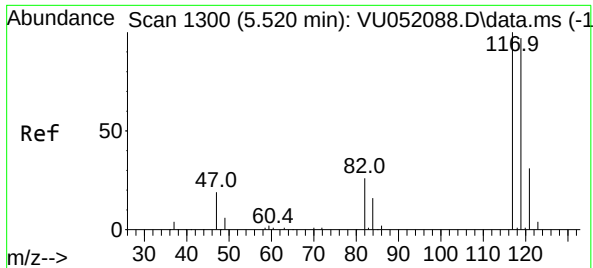
Tgt Ion: 62 Resp: 20390
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6



#29
1,1,1-Trichloroethane
Concen: 15.843 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VU052106.D
Acq: 23 Nov 2022 23:18

Tgt Ion: 97 Resp: 391688
Ion Ratio Lower Upper
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99 64.5 51.0 76.6
61 46.5 36.9 55.3

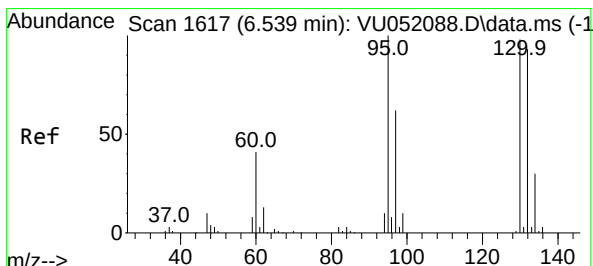
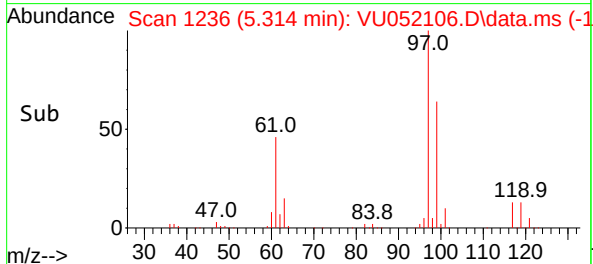
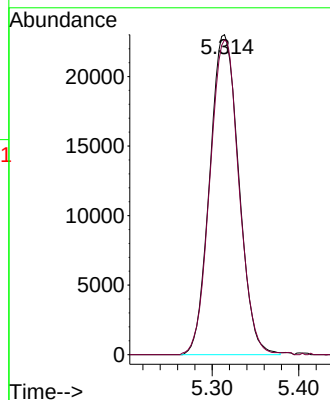
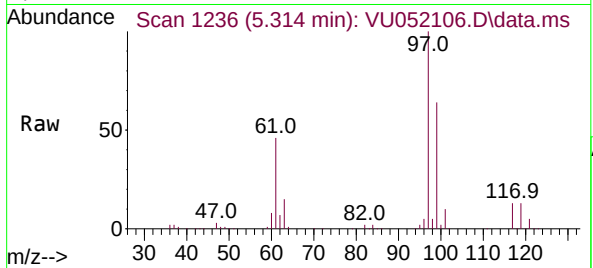




#31
Carbon tetrachloride
Concen: 2.554 ug/L
RT: 5.314 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU052106.D
Acq: 23 Nov 2022 23:18

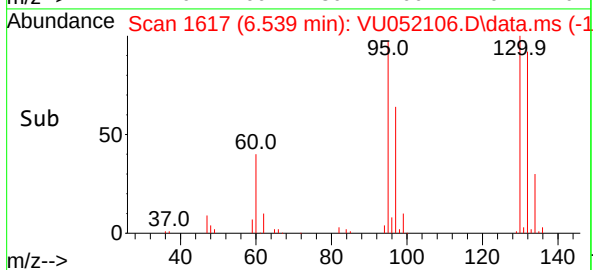
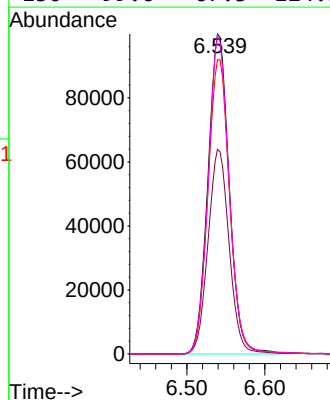
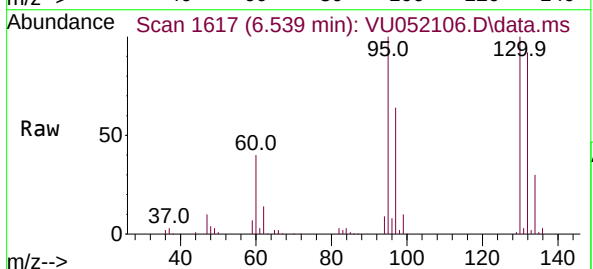
Instrument :
MSVOA_U
ClientSampleId :

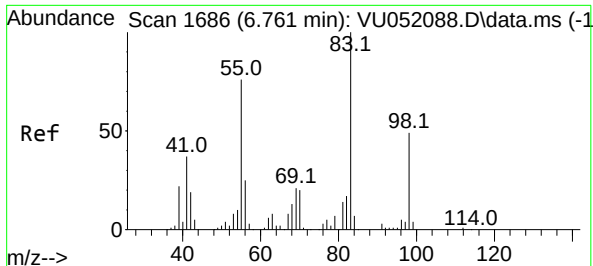
Tgt Ion:117 Resp: 53645
Ion Ratio Lower Upper
117 100
119 98.2 77.2 115.8



#34
Trichloroethene
Concen: 10.470 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052106.D
Acq: 23 Nov 2022 23:18

Tgt Ion: 95 Resp: 189382
Ion Ratio Lower Upper
95 100
97 64.0 43.7 81.1
132 92.0 64.3 119.3
130 99.6 67.3 124.9





#35

Methylcyclohexane

Concen: 0.921 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU052106.D

Acq: 23 Nov 2022 23:18

Instrument :

MSVOA_U

ClientSampleId :

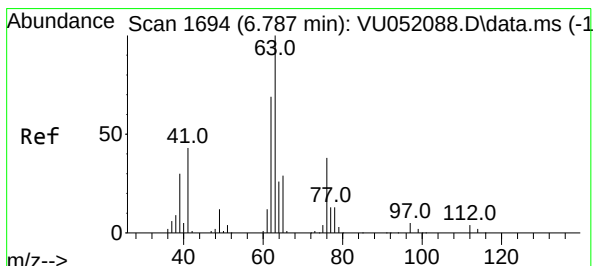
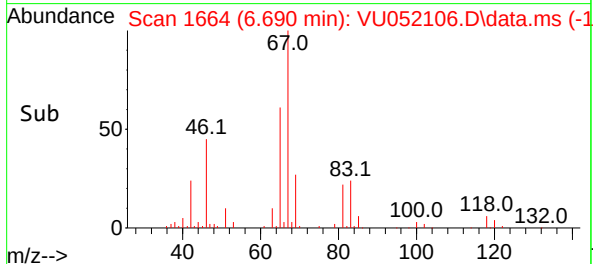
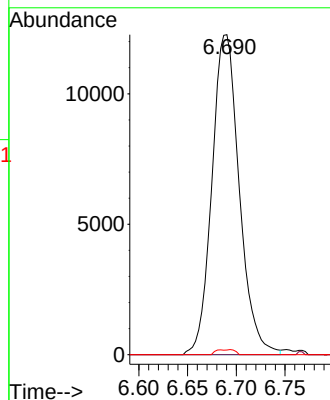
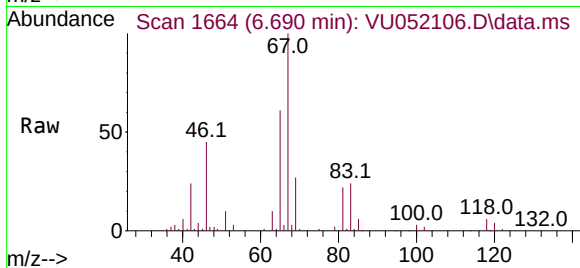
Tgt Ion: 83 Resp: 23973

Ion Ratio Lower Upper

83 100

55 0.2 60.8 91.2#

98 1.1 35.1 52.7#



#37

1,2-Dichloropropane

Concen: 0.537 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.100 min

Lab File: VU052106.D

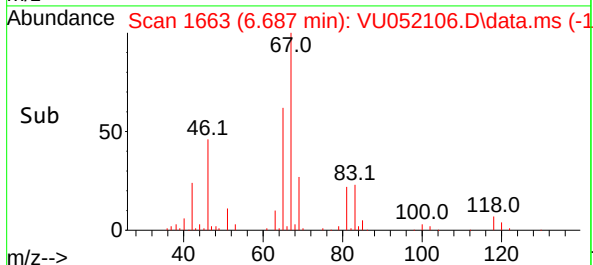
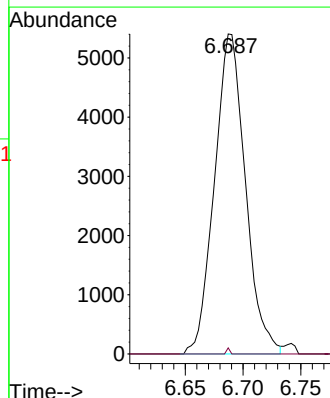
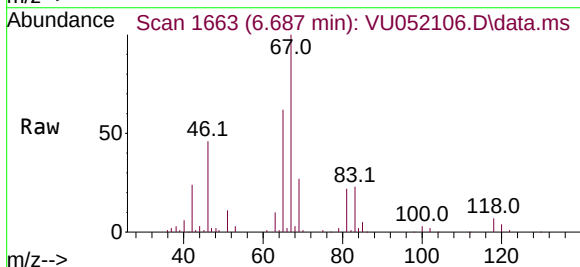
Acq: 23 Nov 2022 23:18

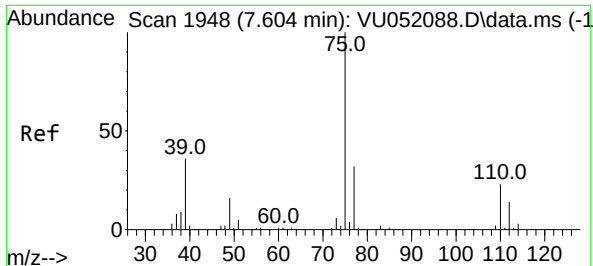
Tgt Ion: 63 Resp: 10079

Ion Ratio Lower Upper

63 100

112 0.2 3.3 4.9#





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.565 min Scan# 1948

Delta R.T. -0.039 min

Lab File: VU052106.D

Acq: 23 Nov 2022 23:18

Instrument :

MSVOA_U

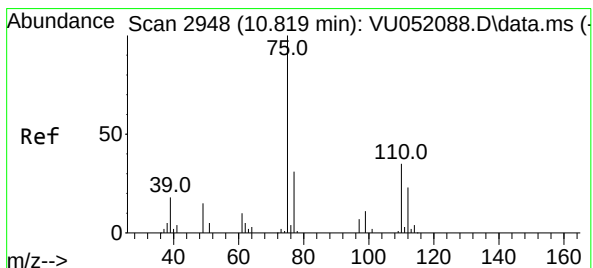
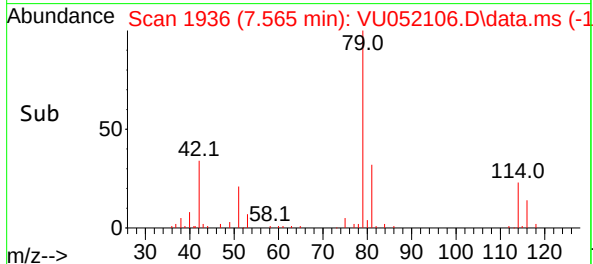
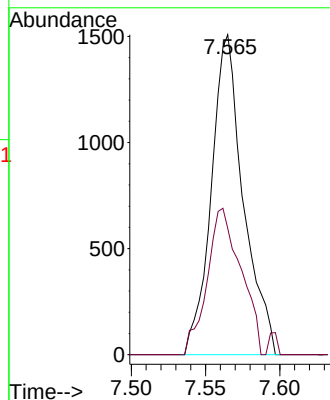
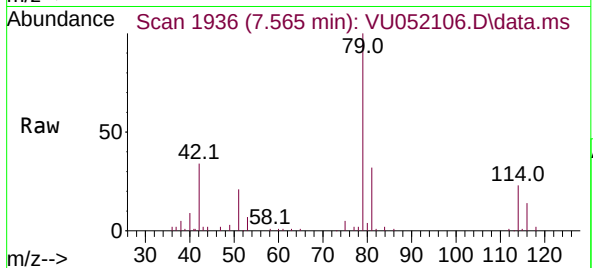
ClientSampleId :

Tgt Ion: 75 Resp: 2263

Ion Ratio Lower Upper

75 100

77 39.5 22.0 40.8



#61

1,2,3-Trichloropropane

Concen: 1.060 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU052106.D

Acq: 23 Nov 2022 23:18

Tgt Ion: 75 Resp: 10499

Ion Ratio Lower Upper

75 100

110 1.3 28.3 42.5#

77 28.5 26.2 39.2

