

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045811.D
 Acq On : 16 Nov 2021 16:50
 Operator : SY/MD
 Sample : M4686-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 04:51:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 04:49:52 2021
 Response via : Initial Calibration

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

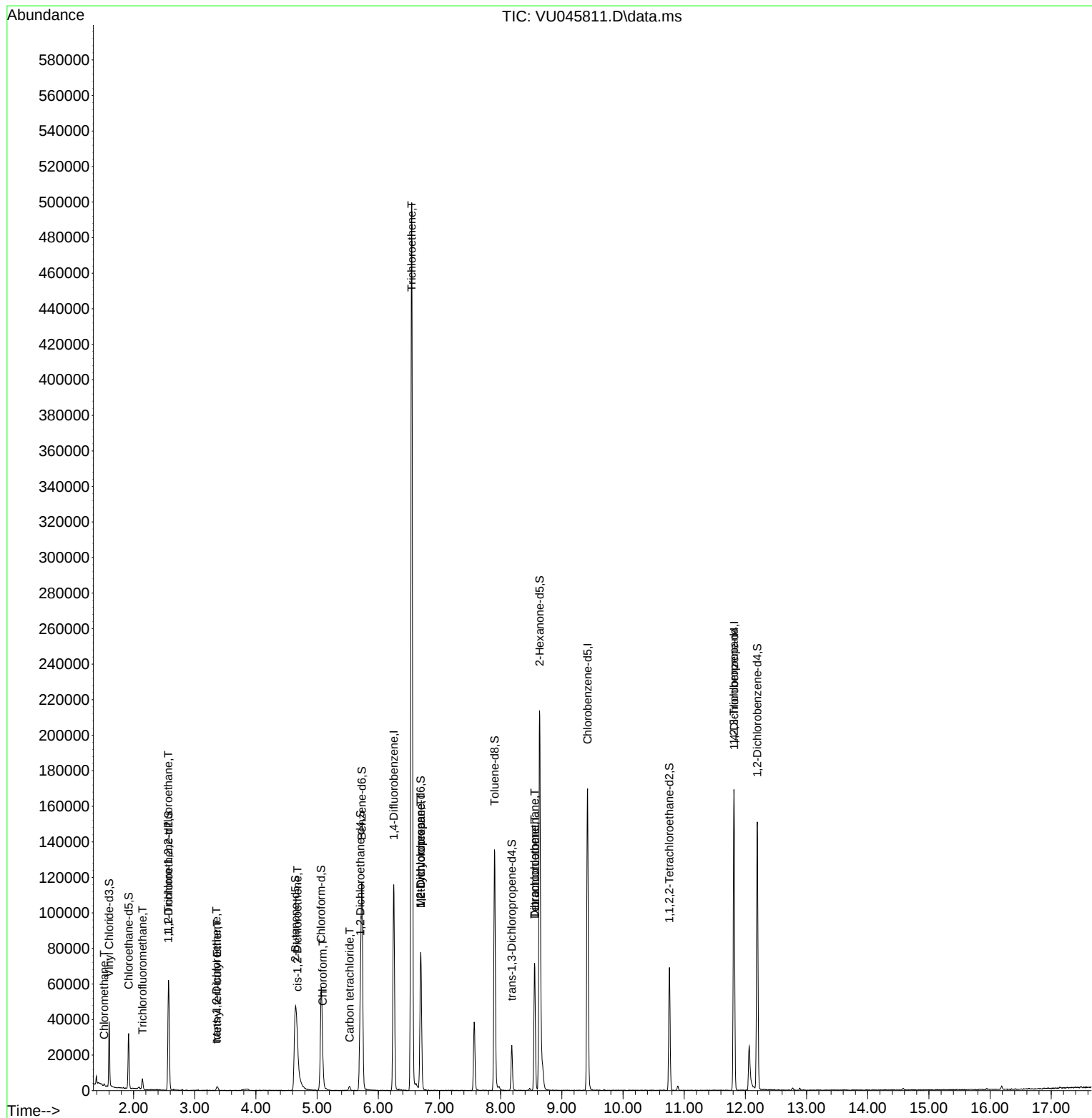
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	91749	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	96007	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	44540	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	25204	3.467	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.400%
7) Chloroethane-d5	1.919	69	22534	4.258	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.572	65	11425	3.747	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.000%
20) 2-Butanone-d5	4.645	46	111146	57.056	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.120%
24) Chloroform-d	5.067	84	50970	4.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.706	65	33646	4.735	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.732	84	108759	4.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.694	67	37219	4.467	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.400%
41) Toluene-d8	7.899	98	92298	3.859	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	8.182	79	14334	4.238	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.800%
46) 2-Hexanone-d5	8.636	63	78110	51.304	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.600%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34624	4.918	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	38412	5.023	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.400%
Target Compounds						Qvalue
3) Chloromethane	1.520	50	1190	0.150	ug/L	94
9) Trichlorofluoromethane	2.144	101	3745	0.365	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	489	0.081	ug/L #	21
17) Methyl tert-butyl Ether	3.366	73	2771	0.187	ug/L #	88
18) trans-1,2-Dichloroethene	3.353	96	43	0.007	ug/L #	1
22) cis-1,2-Dichloroethene	4.678	96	4277	0.648	ug/L	95
25) Chloroform	5.092	83	7963	0.644	ug/L	96
31) Carbon tetrachloride	5.533	117	1506	0.172	ug/L	92
34) Trichloroethene	6.546	95	171255	24.803	ug/L	99
35) Methylcyclohexane	6.694	83	8304	0.783	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	4025	0.571	ug/L #	88
47) Tetrachloroethene	8.555	164	15446	3.196	ug/L	97
49) Dibromochloromethane	8.555	129	15775	2.646	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5669	1.226	ug/L #	65

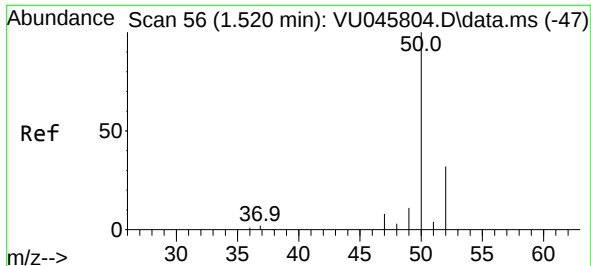
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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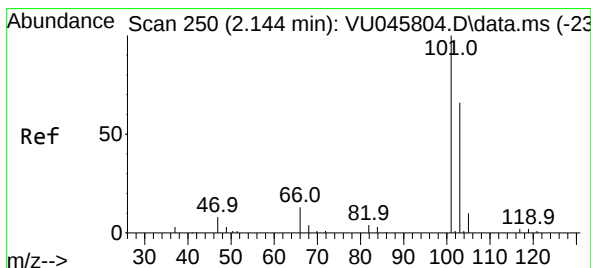
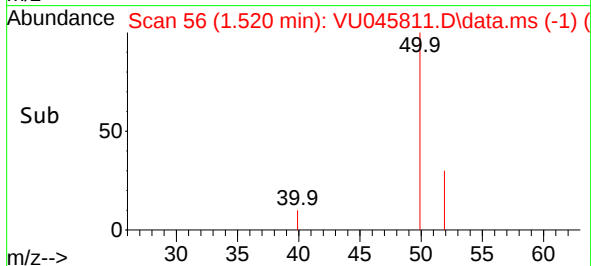
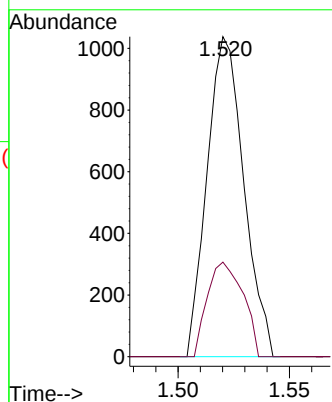
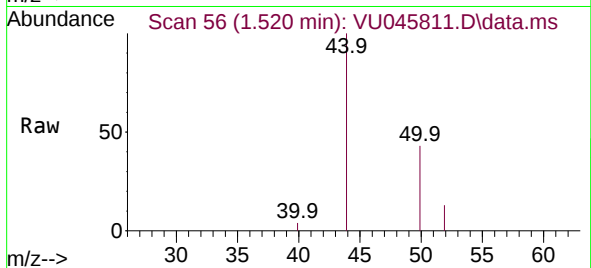




#3
Chloromethane
Concen: 0.150 ug/L
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU045811.D
Acq: 16 Nov 2021 16:50

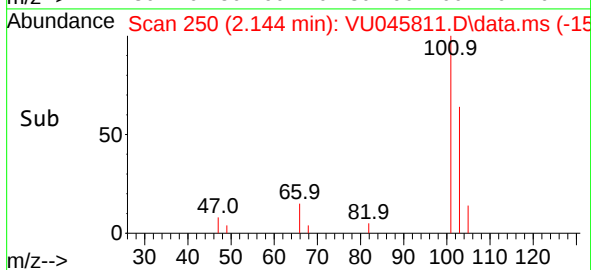
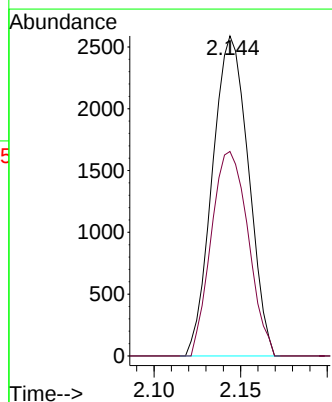
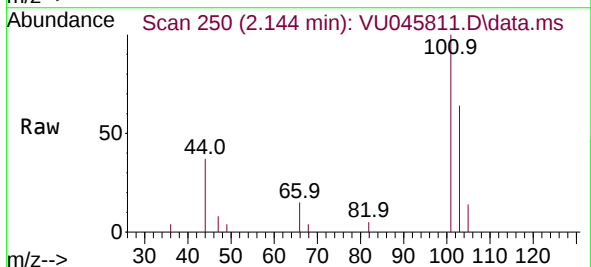
Instrument :
MSVOA_U
ClientSampleId :

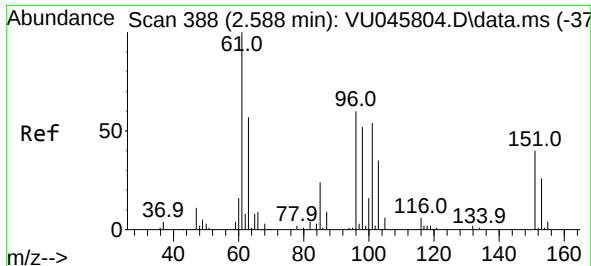
Tgt Ion: 50 Resp: 1190
Ion Ratio Lower Upper
50 100
52 29.6 23.0 42.8



#9
Trichlorofluoromethane
Concen: 0.365 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU045811.D
Acq: 16 Nov 2021 16:50

Tgt Ion: 101 Resp: 3745
Ion Ratio Lower Upper
101 100
103 65.5 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.081 ug/L

RT: 2.568 min Scan# 388

Delta R.T. -0.019 min

Lab File: VU045811.D

Acq: 16 Nov 2021 16:50

Instrument :

MSVOA_U

ClientSampleId :

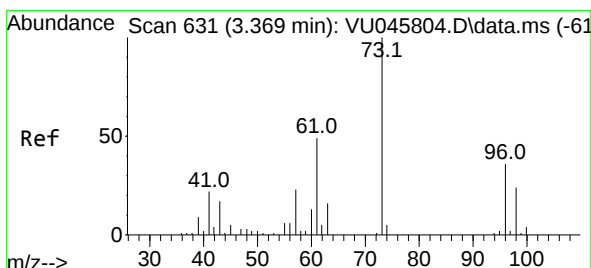
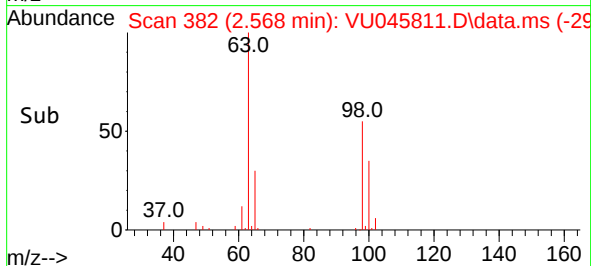
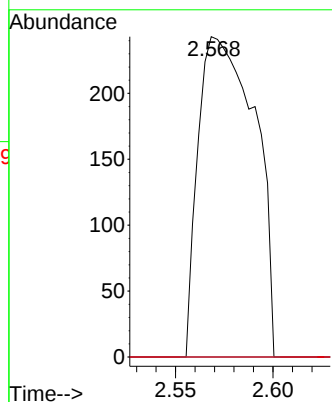
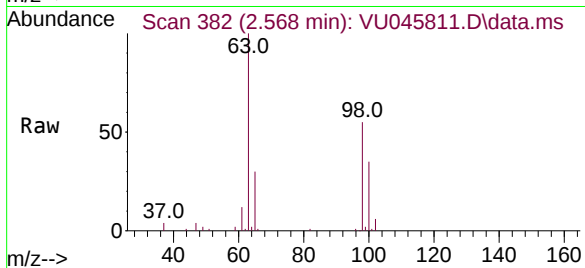
Tgt Ion:101 Resp: 489

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 0.0 56.1 84.1#



#17

Methyl tert-butyl Ether

Concen: 0.187 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.003 min

Lab File: VU045811.D

Acq: 16 Nov 2021 16:50

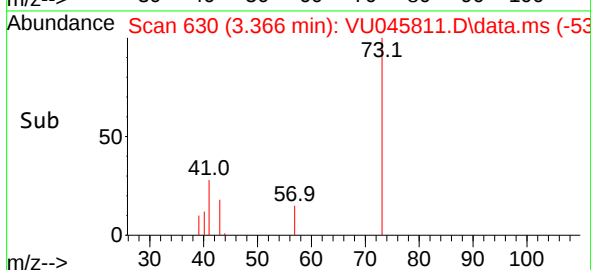
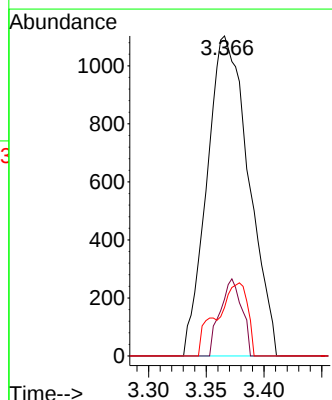
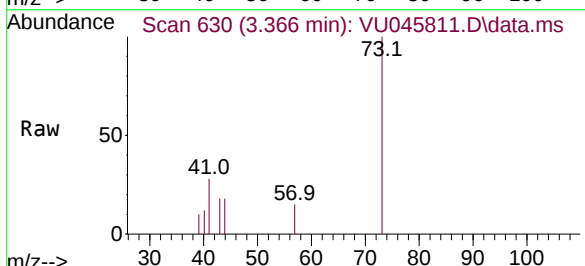
Tgt Ion: 73 Resp: 2771

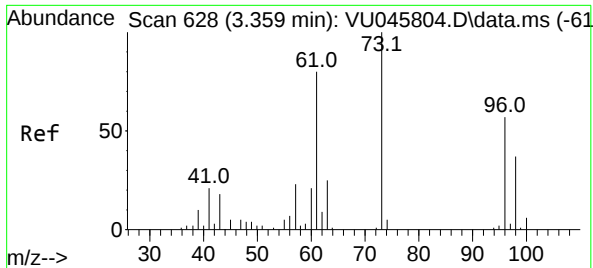
Ion Ratio Lower Upper

73 100

43 12.5 14.8 22.2#

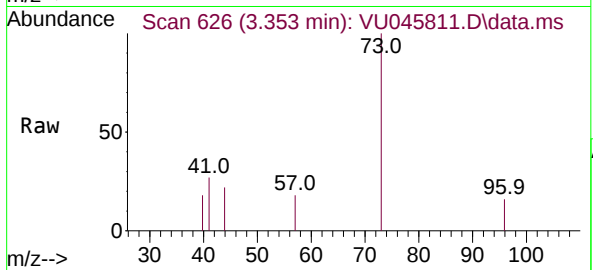
57 16.8 17.4 26.0#



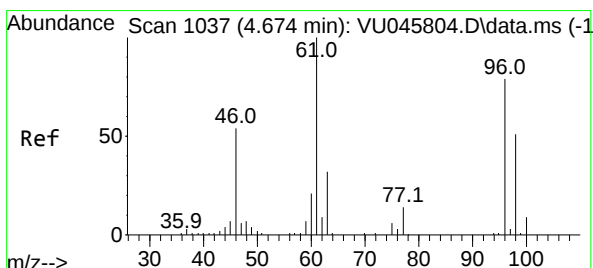
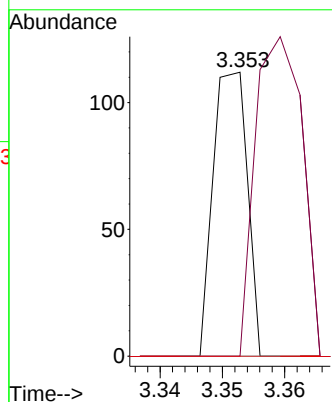
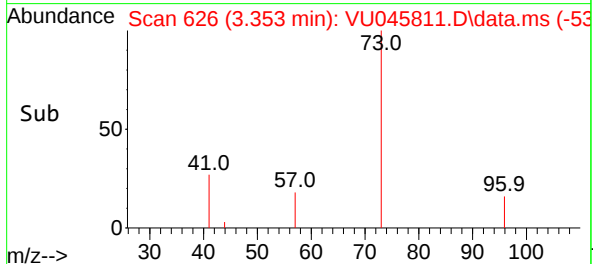


#18
trans-1,2-Dichloroethene
Concen: 0.007 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU045811.D
Acq: 16 Nov 2021 16:50

Instrument :
MSVOA_U
ClientSampleId :

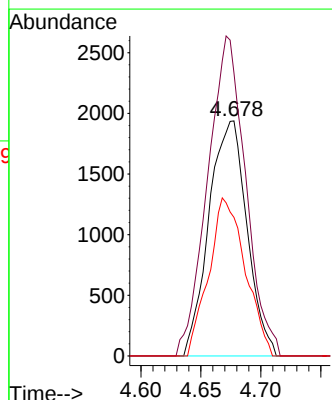
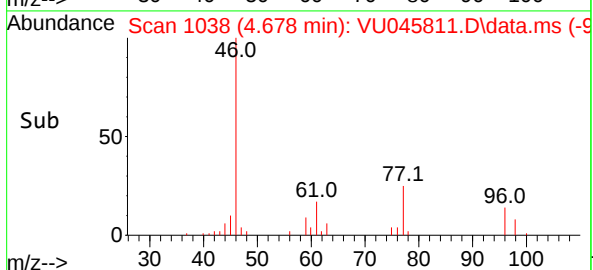
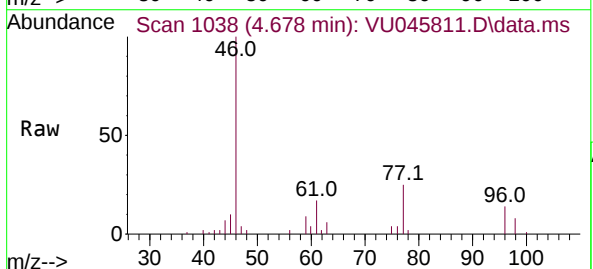


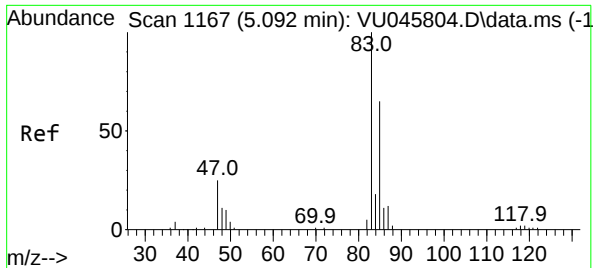
Tgt Ion: 96 Resp: 43
Ion Ratio Lower Upper
96 100
61 0.0 100.8 187.2#
98 0.0 45.1 83.7#



#22
cis-1,2-Dichloroethene
Concen: 0.648 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VU045811.D
Acq: 16 Nov 2021 16:50

Tgt Ion: 96 Resp: 4277
Ion Ratio Lower Upper
96 100
61 120.4 88.5 164.3
98 58.9 44.4 82.5





#25

Chloroform

Concen: 0.644 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU045811.D

Acq: 16 Nov 2021 16:50

Instrument :

MSVOA_U

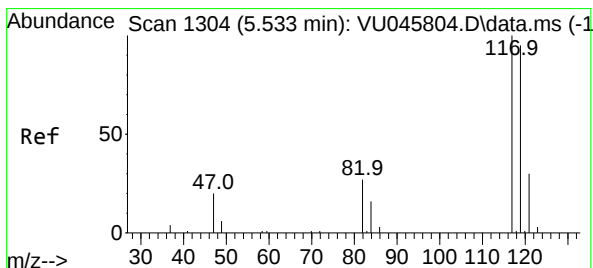
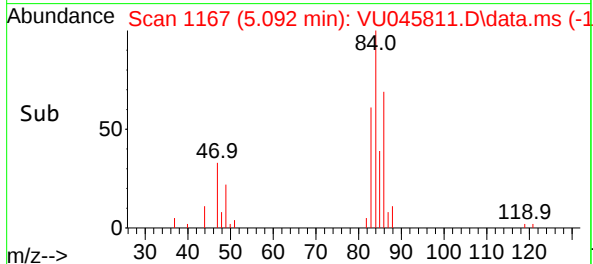
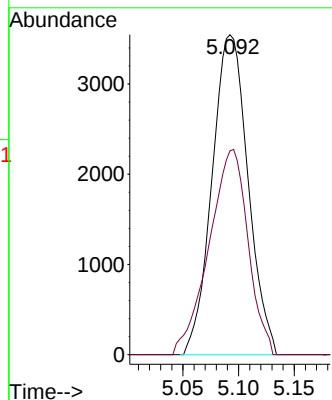
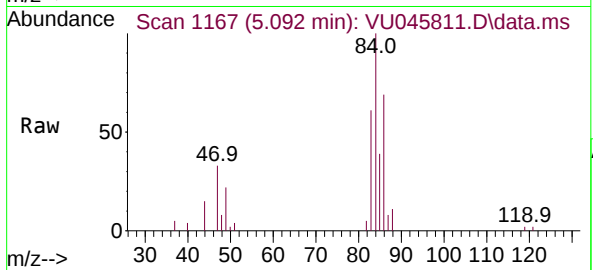
ClientSampleId :

Tgt Ion: 83 Resp: 7963

Ion Ratio Lower Upper

83 100

85 63.7 46.9 87.1



#31

Carbon tetrachloride

Concen: 0.172 ug/L

RT: 5.533 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VU045811.D

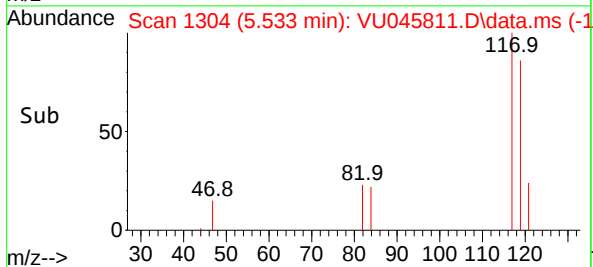
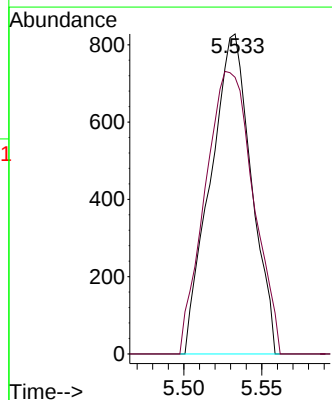
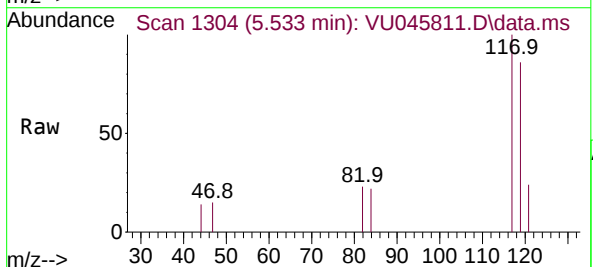
Acq: 16 Nov 2021 16:50

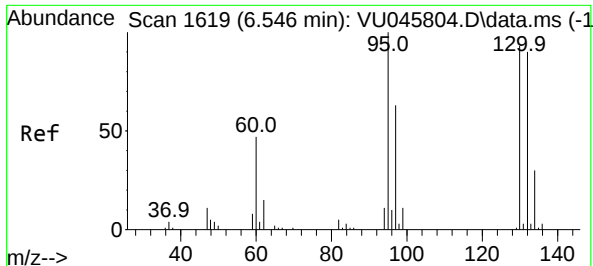
Tgt Ion: 117 Resp: 1506

Ion Ratio Lower Upper

117 100

119 104.3 77.5 116.3





#34

Trichloroethene

Concen: 24.803 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045811.D

Acq: 16 Nov 2021 16:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 171255

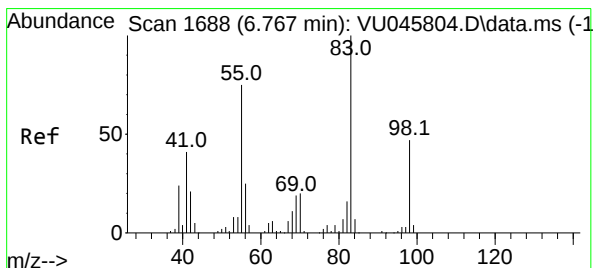
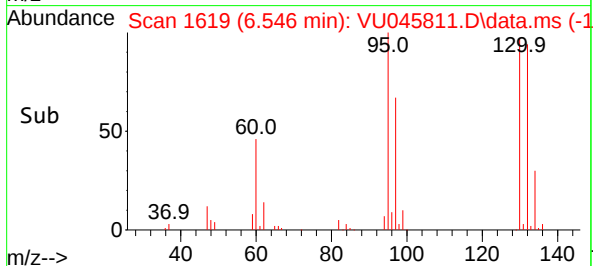
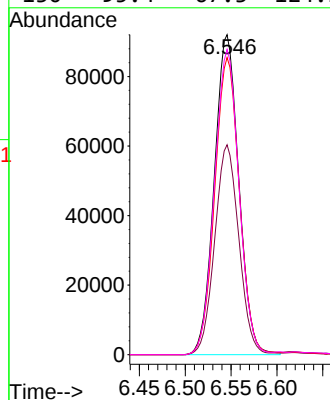
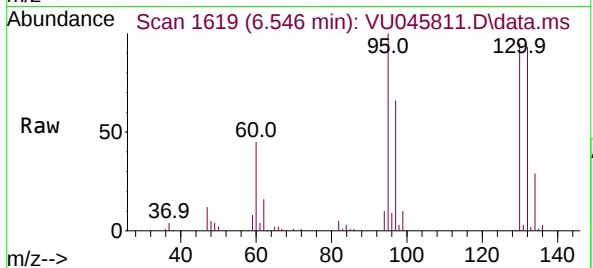
Ion Ratio Lower Upper

95 100

97 65.6 46.5 86.5

132 92.9 65.1 120.9

130 95.4 67.3 124.9



#35

Methylcyclohexane

Concen: 0.783 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU045811.D

Acq: 16 Nov 2021 16:50

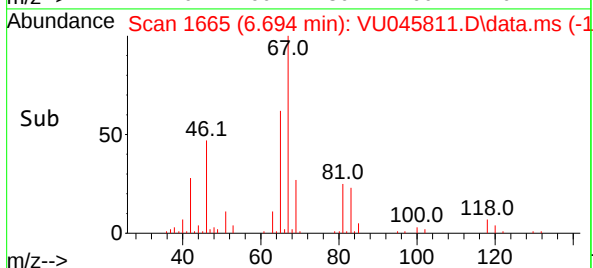
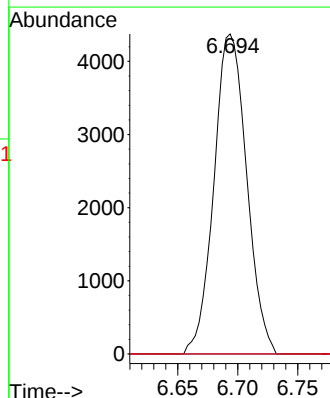
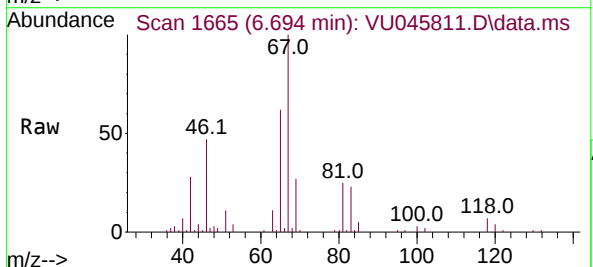
Tgt Ion: 83 Resp: 8304

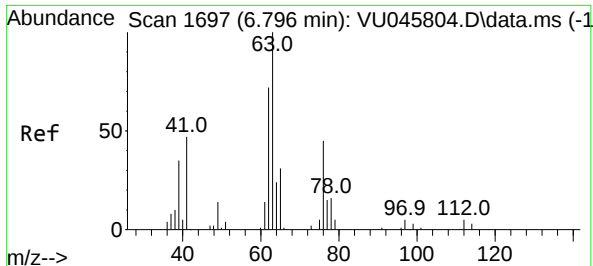
Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.571 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU045811.D

Acq: 16 Nov 2021 16:50

Instrument :

MSVOA_U

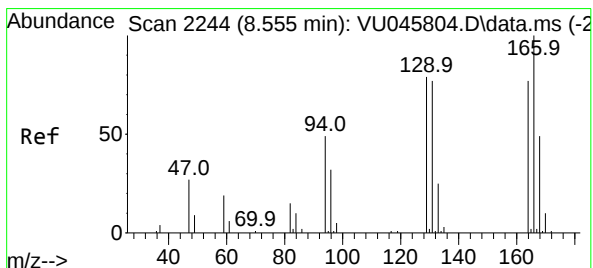
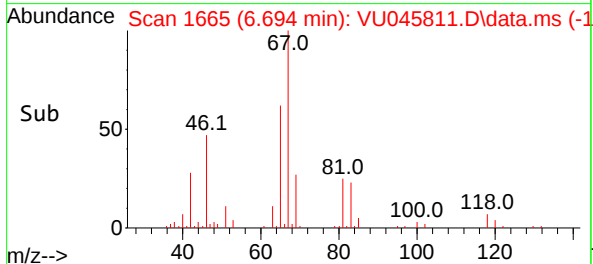
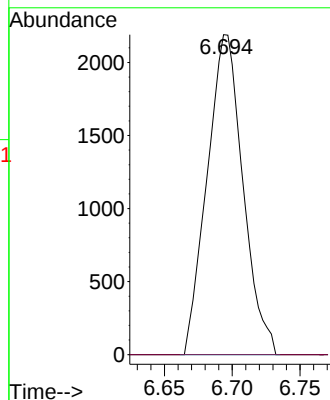
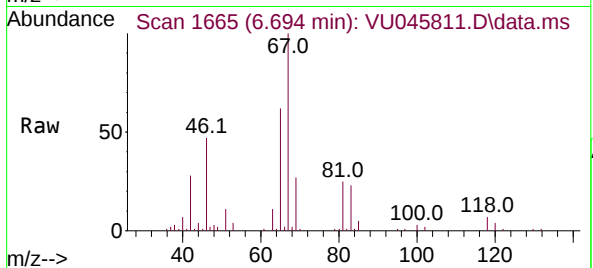
ClientSampleId :

Tgt Ion: 63 Resp: 4025

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#47

Tetrachloroethene

Concen: 3.196 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU045811.D

Acq: 16 Nov 2021 16:50

Tgt Ion: 164 Resp: 15446

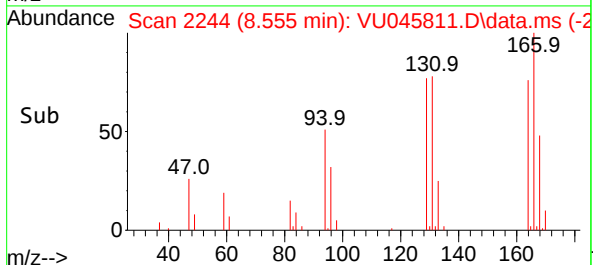
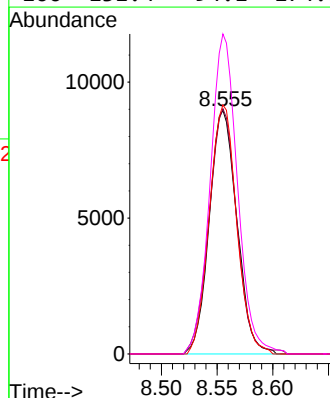
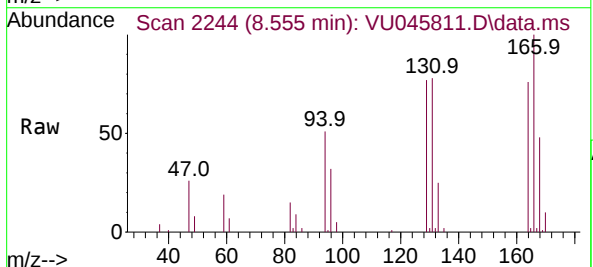
Ion Ratio Lower Upper

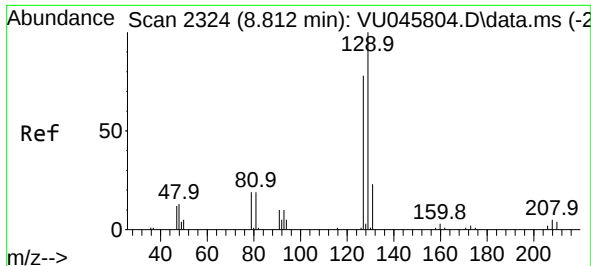
164 100

129 100.7 71.8 133.4

131 102.3 68.5 127.3

166 131.4 94.1 174.8





#49

Dibromochloromethane

Concen: 2.646 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU045811.D

Acq: 16 Nov 2021 16:50

Instrument :

MSVOA_U

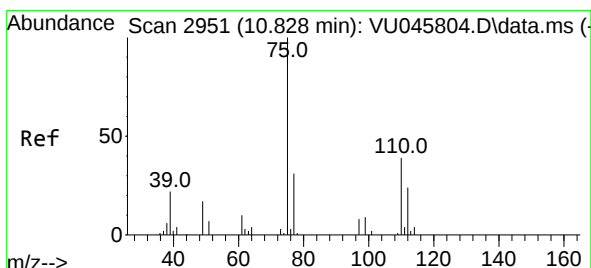
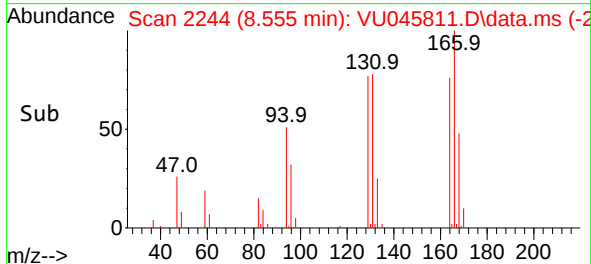
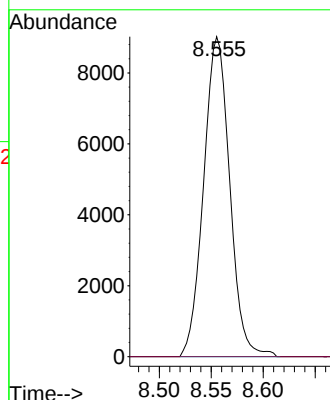
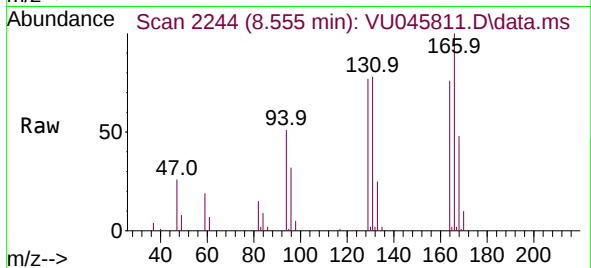
ClientSampleId :

Tgt Ion:129 Resp: 15775

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.226 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.984 min

Lab File: VU045811.D

Acq: 16 Nov 2021 16:50

Tgt Ion: 75 Resp: 5669

Ion Ratio Lower Upper

75 100

110 0.0 29.9 44.9#

77 30.6 25.5 38.3

