

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045823.D
 Acq On : 16 Nov 2021 21:38
 Operator : SY/MD
 Sample : M4686-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 04:54:17 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)

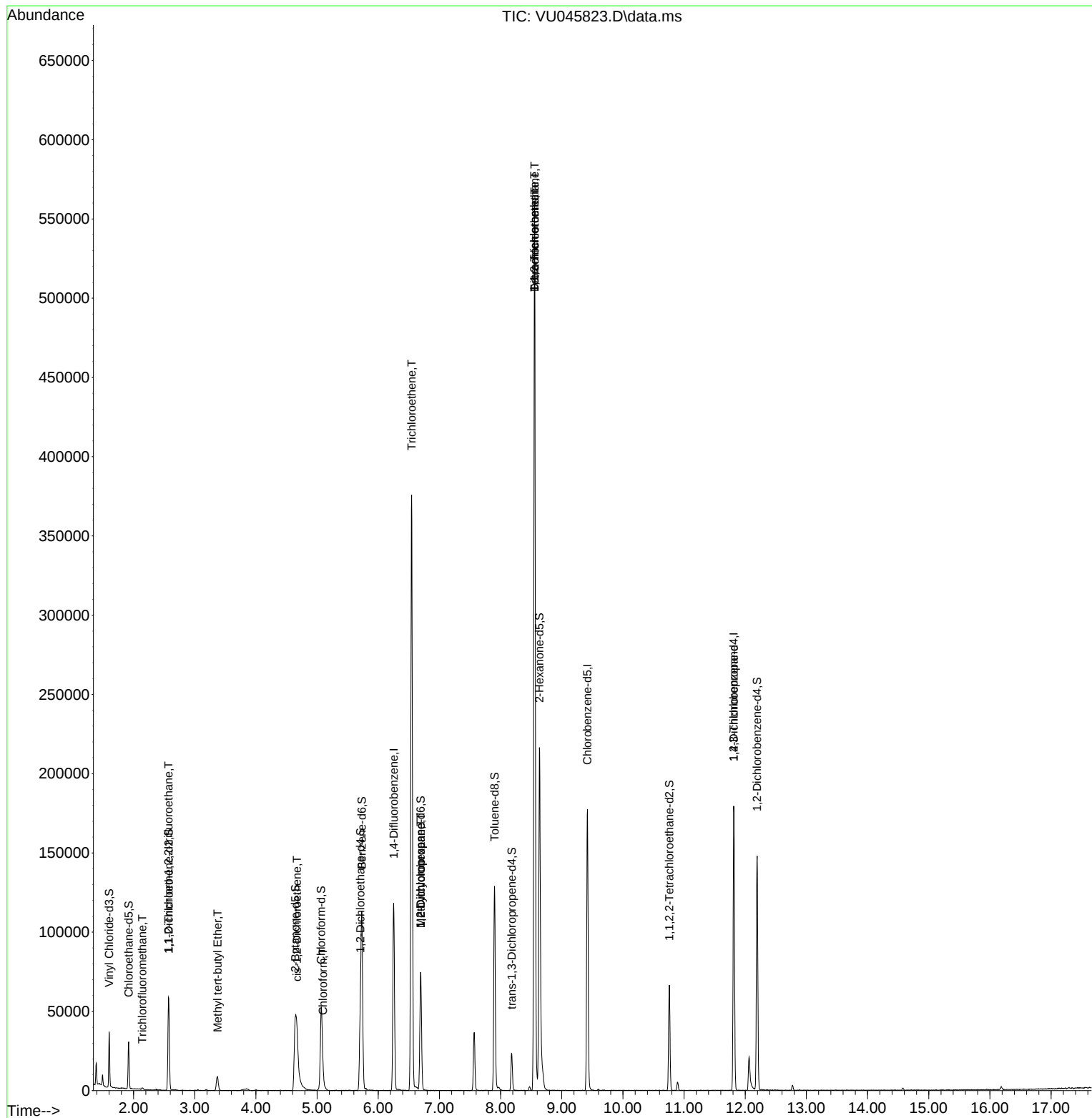
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	94794	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	99854	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	46804	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	24112	3.210	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.200%
7) Chloroethane-d5	1.919	69	21327	3.901	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.575	65	11175	3.548	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	4.645	46	109882	54.595	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.180%
24) Chloroform-d	5.067	84	46139	3.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.800%
26) 1,2-Dichloroethane-d4	5.707	65	32070	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
32) Benzene-d6	5.732	84	104702	3.808	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.200%
36) 1,2-Dichloropropane-d6	6.694	67	35363	4.080	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.600%
41) Toluene-d8	7.903	98	88452	3.556	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.200%
43) trans-1,3-Dichloroprop...	8.182	79	13768	3.913	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.200%
46) 2-Hexanone-d5	8.636	63	77631	49.025	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.040%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33677	4.600	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	37250	4.635	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	609	0.057	ug/L #	82
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	254	0.041	ug/L #	21
17) Methyl tert-butyl Ether	3.372	73	10509	0.688	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	5863	0.860	ug/L	96
25) Chloroform	5.096	83	8439	0.660	ug/L	96
34) Trichloroethene	6.546	95	129590	18.046	ug/L	98
35) Methylcyclohexane	6.694	83	8230	0.746	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	3756	0.512	ug/L #	88
45) 1,1,2-Trichloroethane	8.552	97	1069	0.196	ug/L #	5
47) Tetrachloroethene	8.555	164	122613	24.390	ug/L	95
49) Dibromochloromethane	8.555	129	119764	19.315	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6121	1.260	ug/L #	68

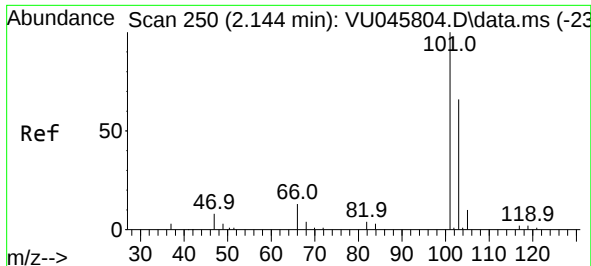
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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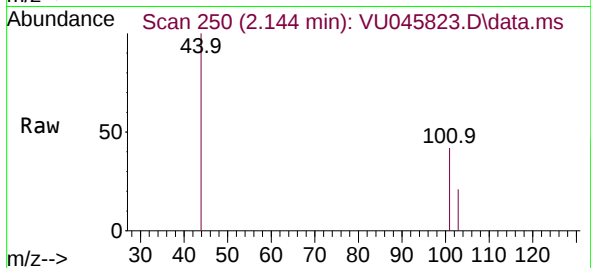
Quant Time: Nov 17 04:54:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0
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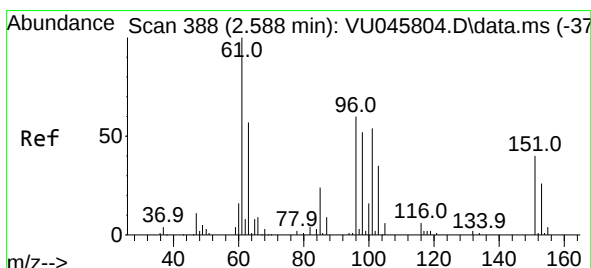
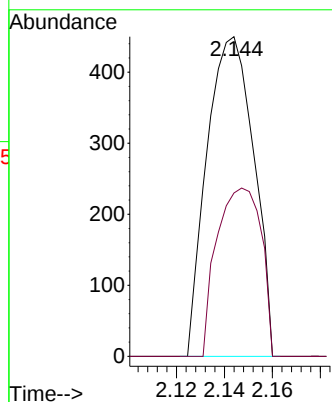
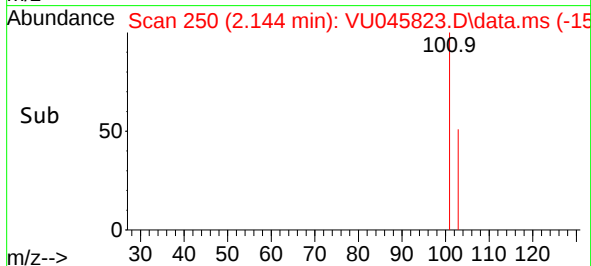


#9
 Trichlorofluoromethane
 Concen: 0.057 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU045823.D
 Acq: 16 Nov 2021 21:38

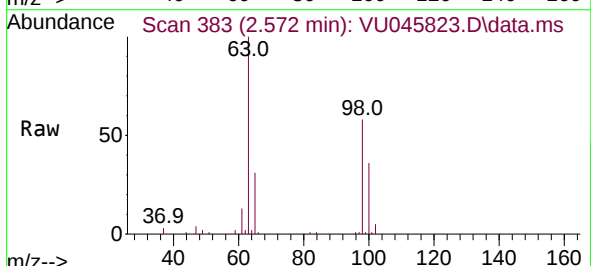
Instrument :
 MSVOA_U
 ClientSampleId :



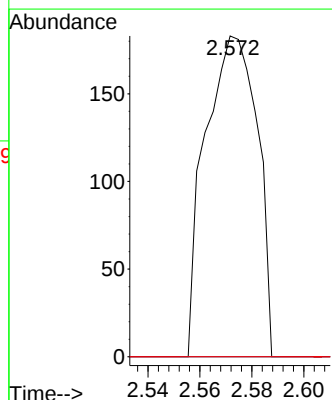
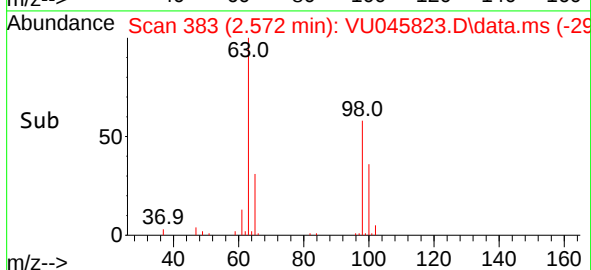
Tgt Ion:101 Resp: 609
 Ion Ratio Lower Upper
 101 100
 103 49.9 51.5 77.3#

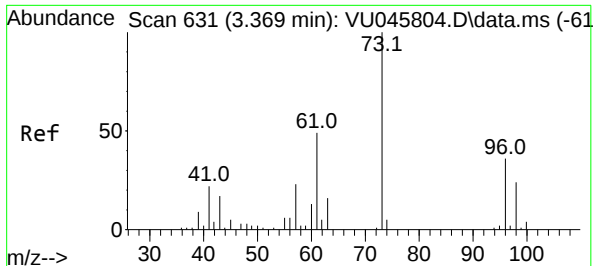


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.041 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU045823.D
 Acq: 16 Nov 2021 21:38



Tgt Ion:101 Resp: 254
 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: 0.688 ug/L

RT: 3.372 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU045823.D

Acq: 16 Nov 2021 21:38

Instrument :

MSVOA_U

ClientSampleId :

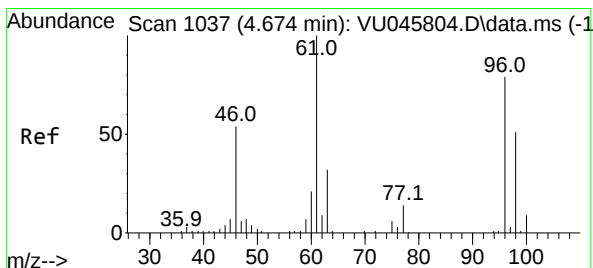
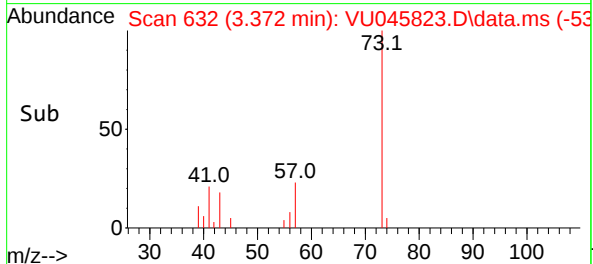
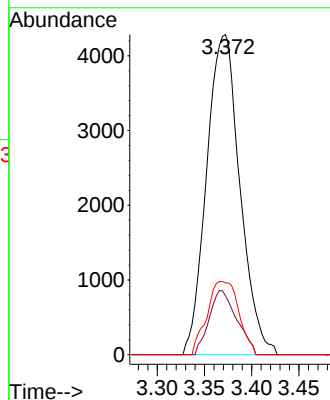
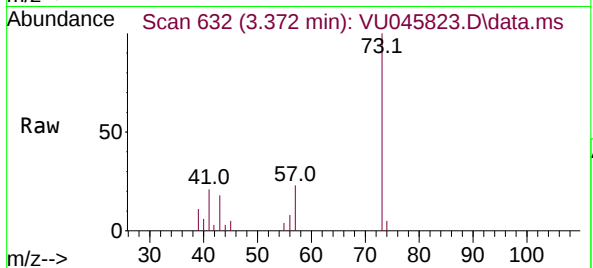
Tgt Ion: 73 Resp: 10509

Ion Ratio Lower Upper

73 100

43 16.6 14.8 22.2

57 21.8 17.4 26.0



#22

cis-1,2-Dichloroethene

Concen: 0.860 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU045823.D

Acq: 16 Nov 2021 21:38

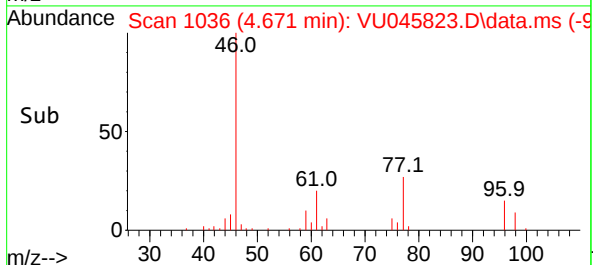
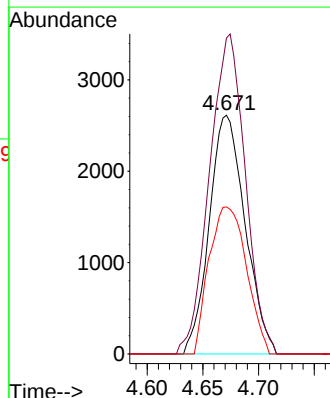
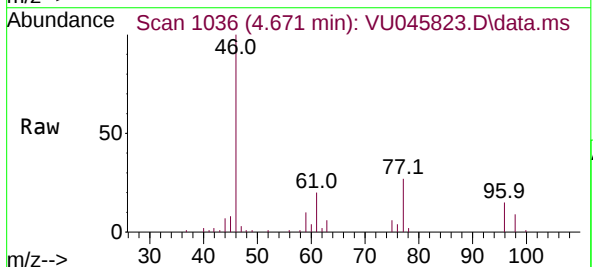
Tgt Ion: 96 Resp: 5863

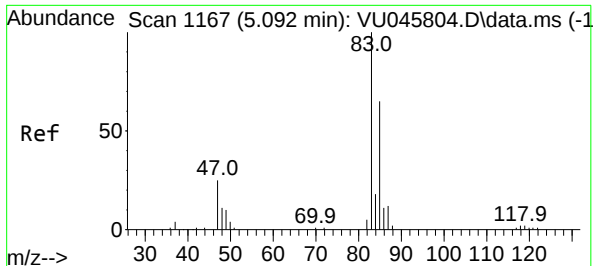
Ion Ratio Lower Upper

96 100

61 132.3 88.5 164.3

98 61.6 44.4 82.5





#25

Chloroform

Concen: 0.660 ug/L

RT: 5.096 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VU045823.D

Acq: 16 Nov 2021 21:38

Instrument :

MSVOA_U

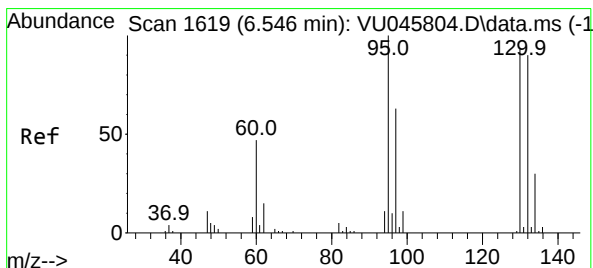
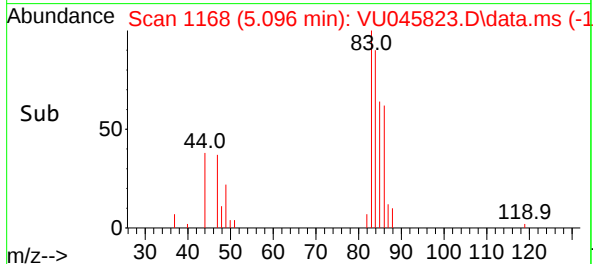
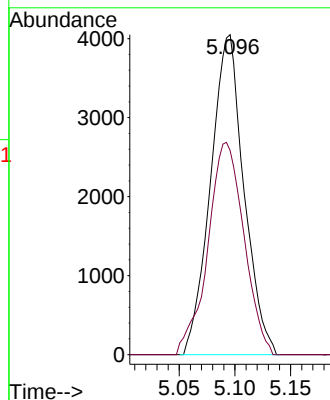
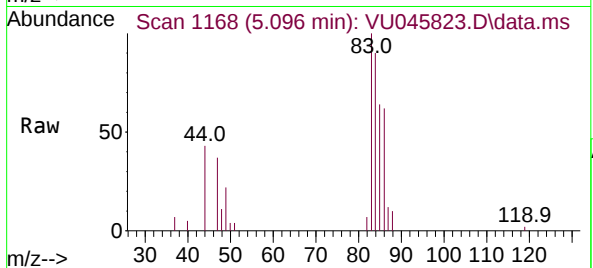
ClientSampleId :

Tgt Ion: 83 Resp: 8439

Ion Ratio Lower Upper

83 100

85 63.8 46.9 87.1



#34

Trichloroethene

Concen: 18.046 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU045823.D

Acq: 16 Nov 2021 21:38

Tgt Ion: 95 Resp: 129590

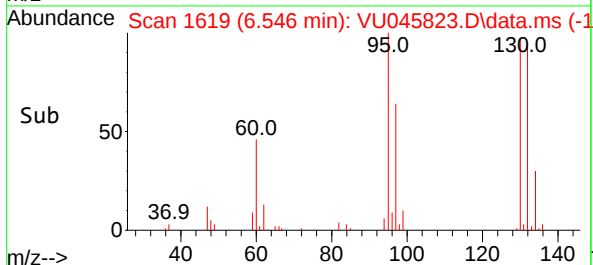
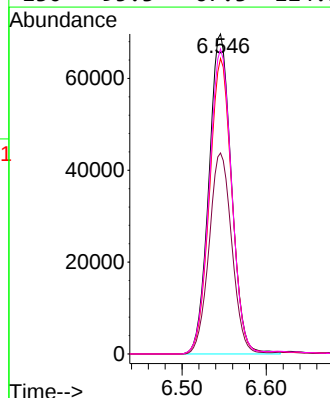
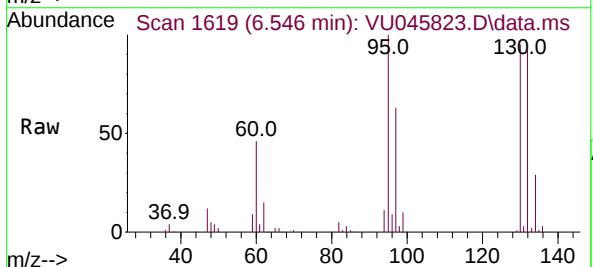
Ion Ratio Lower Upper

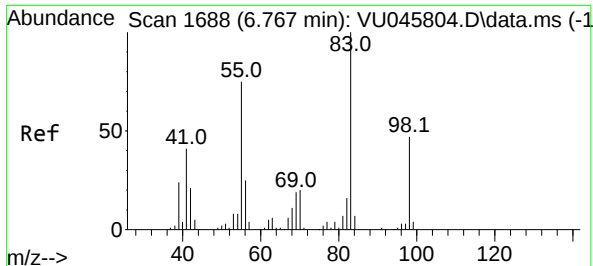
95 100

97 62.8 46.5 86.5

132 92.3 65.1 120.9

130 95.3 67.3 124.9





#35

Methylcyclohexane

Concen: 0.746 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU045823.D

Acq: 16 Nov 2021 21:38

Instrument :

MSVOA_U

ClientSampleId :

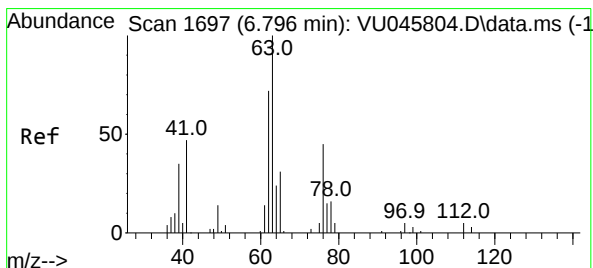
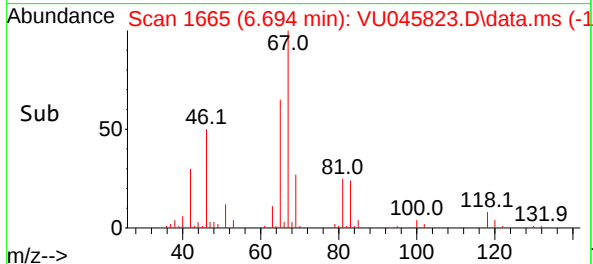
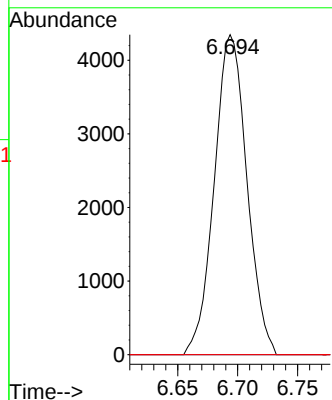
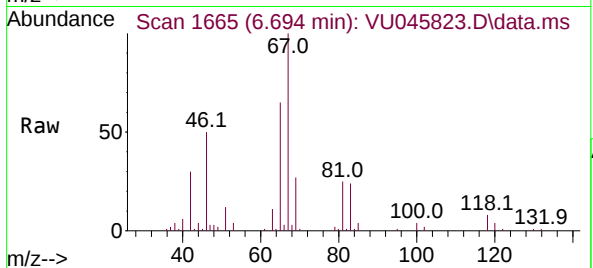
Tgt Ion: 83 Resp: 8230

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: 0.512 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.103 min

Lab File: VU045823.D

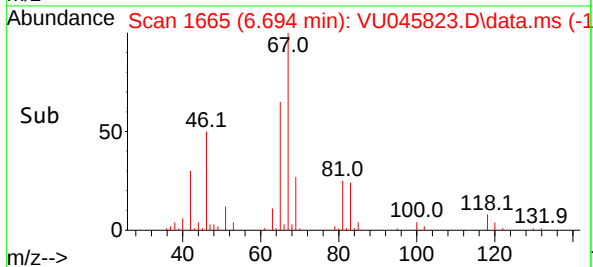
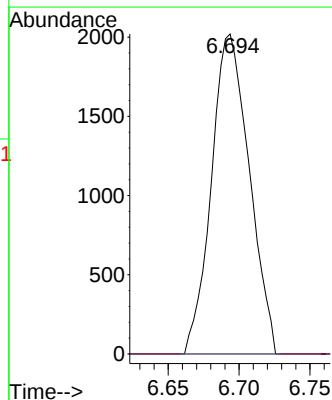
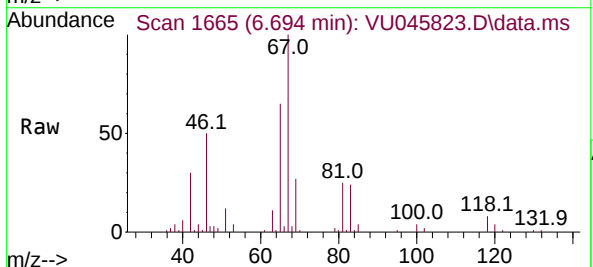
Acq: 16 Nov 2021 21:38

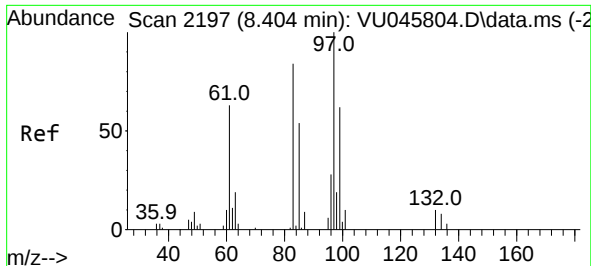
Tgt Ion: 63 Resp: 3756

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



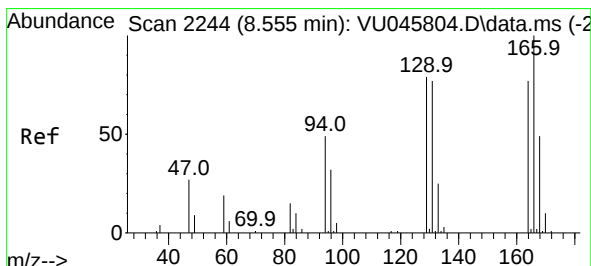
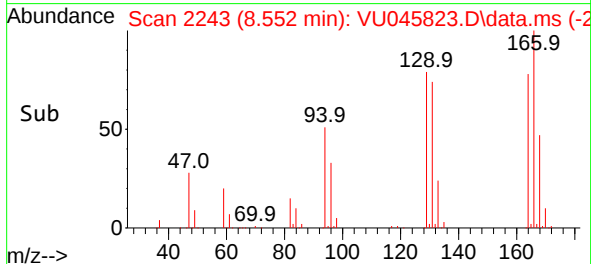
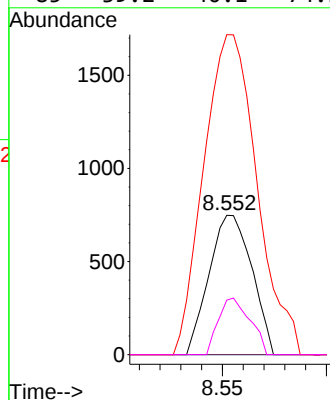
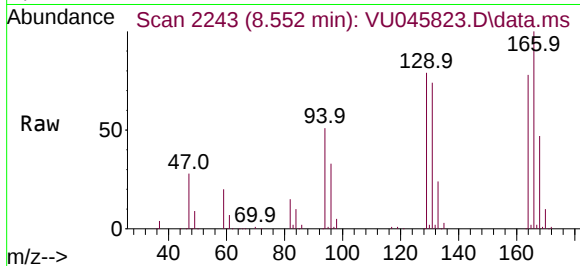


#45
1,1,2-Trichloroethane
Concen: 0.196 ug/L
RT: 8.552 min Scan# 2197
Delta R.T. 0.148 min
Lab File: VU045823.D
Acq: 16 Nov 2021 21:38

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 1069

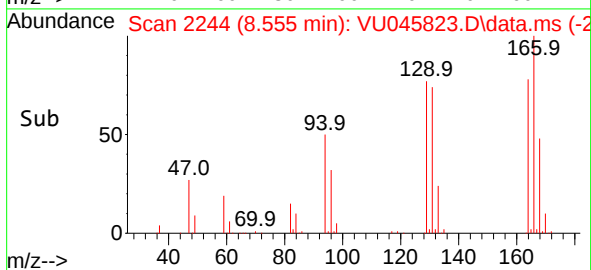
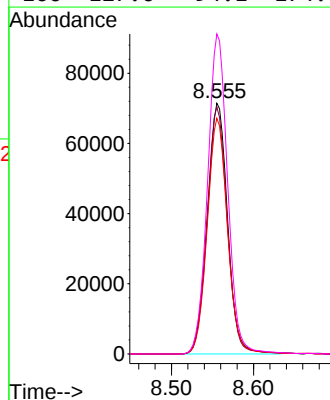
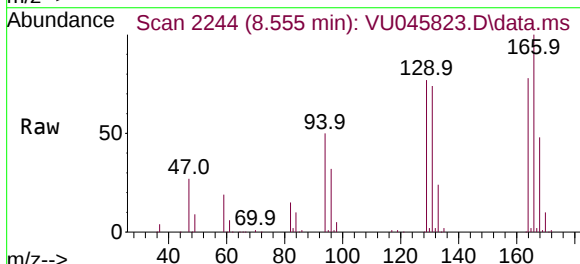
Ion	Ratio	Lower	Upper
97	100		
99	0.0	42.3	78.5#
83	229.7	62.0	115.2#
85	39.2	40.1	74.5#

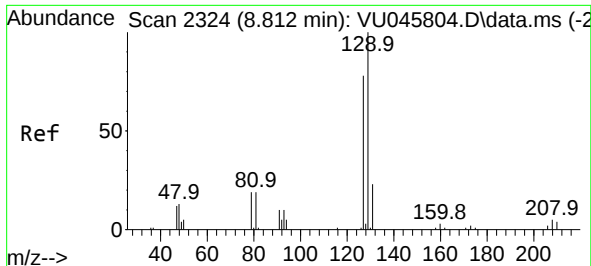


#47
Tetrachloroethene
Concen: 24.390 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU045823.D
Acq: 16 Nov 2021 21:38

Tgt Ion: 164 Resp: 122613

Ion	Ratio	Lower	Upper
164	100		
129	98.6	71.8	133.4
131	94.0	68.5	127.3
166	127.6	94.1	174.8





#49

Dibromochloromethane

Concen: 19.315 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU045823.D

Acq: 16 Nov 2021 21:38

Instrument :

MSVOA_U

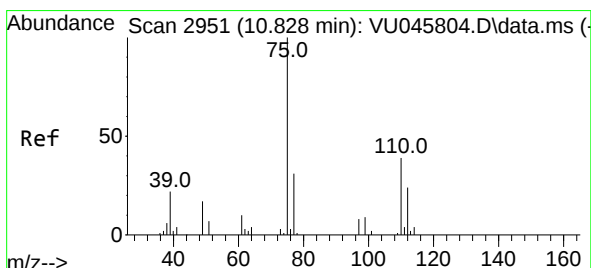
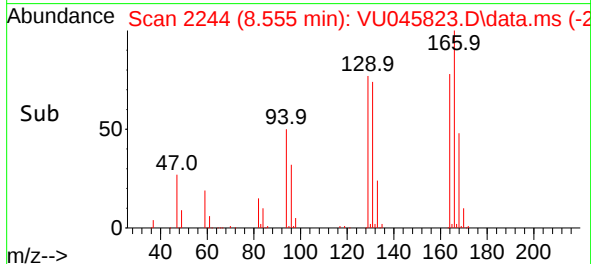
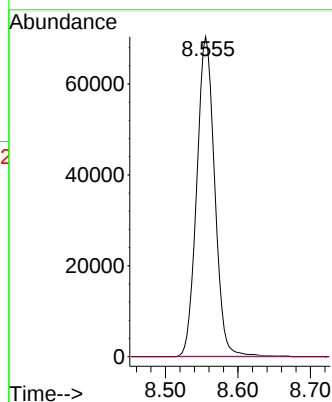
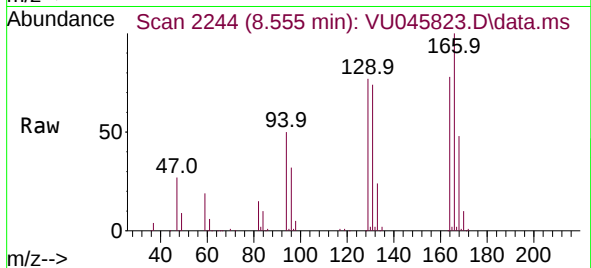
ClientSampleId :

Tgt Ion:129 Resp: 119764

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.260 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.984 min

Lab File: VU045823.D

Acq: 16 Nov 2021 21:38

Tgt Ion: 75 Resp: 6121

Ion Ratio Lower Upper

75 100

110 2.4 29.9 44.9#

77 32.0 25.5 38.3

