

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111821\
 Data File : VU045865.D
 Acq On : 18 Nov 2021 13:55
 Operator : SY/MD
 Sample : M4686-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:53:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 19 00:50:55 2021
 Response via : Initial Calibration

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

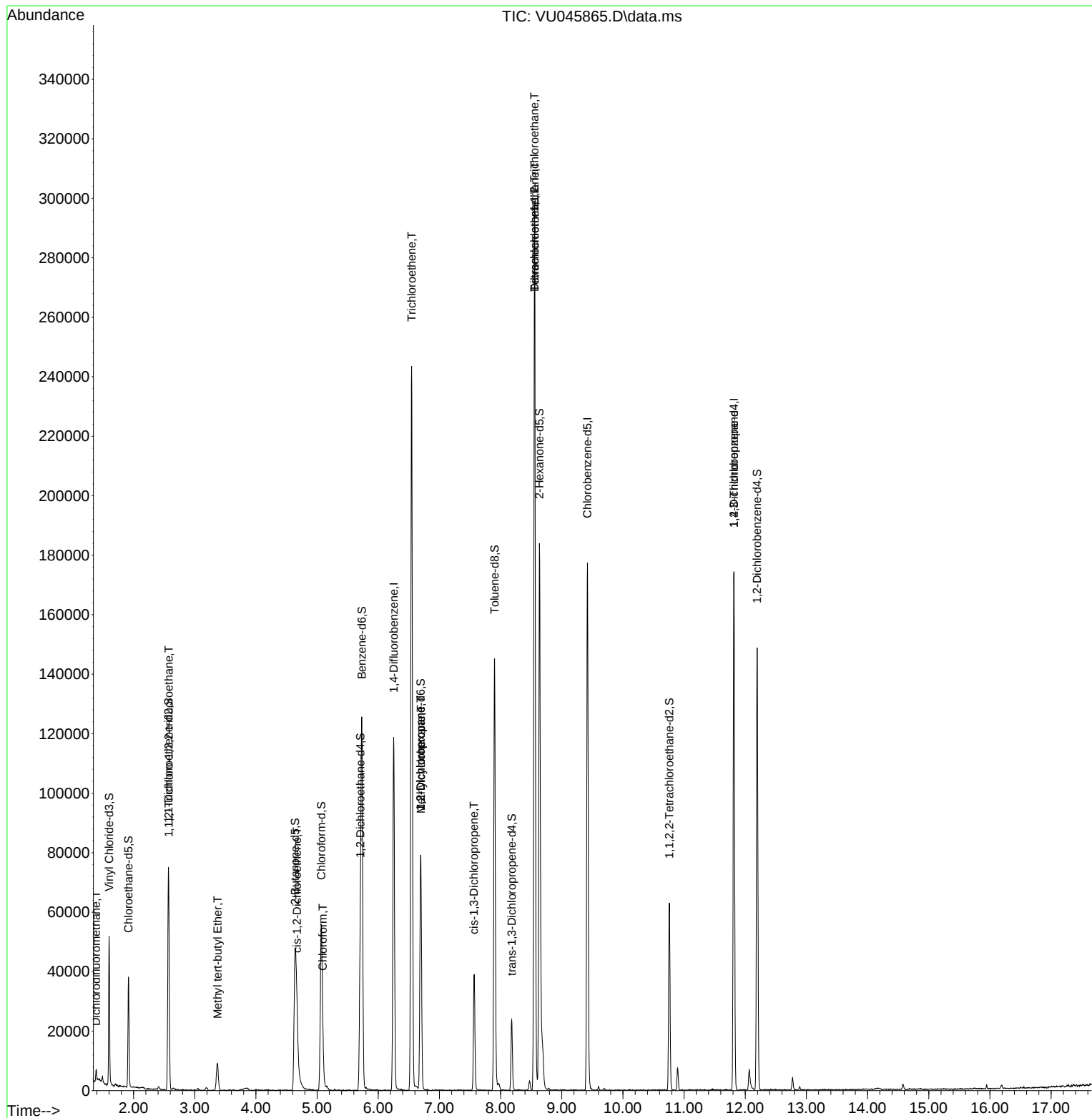
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	92836	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	98168	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	45038	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	34321	4.666	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.916	69	26980	5.039	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.800%
11) 1,1-Dichloroethene-d2	2.571	65	14191	4.600	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.000%
20) 2-Butanone-d5	4.642	46	94249	47.815	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.640%
24) Chloroform-d	5.070	84	49144	4.010	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
26) 1,2-Dichloroethane-d4	5.706	65	32725	4.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
32) Benzene-d6	5.732	84	115500	4.272	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
36) 1,2-Dichloropropane-d6	6.693	67	38223	4.486	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.902	98	97791	3.999	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.000%
43) trans-1,3-Dichloroprop...	8.182	79	14054	4.063	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.200%
46) 2-Hexanone-d5	8.636	63	62651	40.244	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.480%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	31023	4.310	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	37646	4.868	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	1283	0.170	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	454	0.075	ug/L #	21
17) Methyl tert-butyl Ether	3.372	73	9974	0.667	ug/L	100
22) cis-1,2-Dichloroethene	4.671	96	4500	0.674	ug/L	95
25) Chloroform	5.092	83	10947	0.874	ug/L	94
34) Trichloroethene	6.546	95	83504	11.828	ug/L	98
35) Methylcyclohexane	6.697	83	8971	0.827	ug/L #	17
37) 1,2-Dichloropropane	6.693	63	4198	0.582	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	934	0.091	ug/L #	67
45) 1,1,2-Trichloroethane	8.552	97	577	0.108	ug/L #	1
47) Tetrachloroethene	8.555	164	65531	13.259	ug/L	95
49) Dibromochloromethane	8.555	129	64526	10.585	ug/L #	10
61) 1,2,3-Trichloropropane	11.815	75	6402	1.369	ug/L #	63

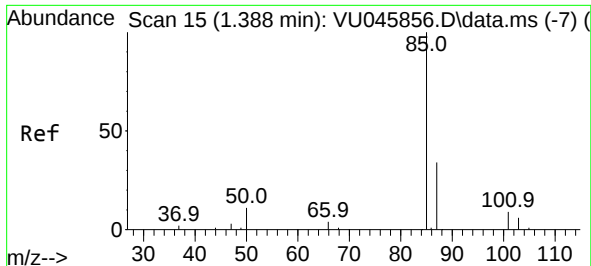
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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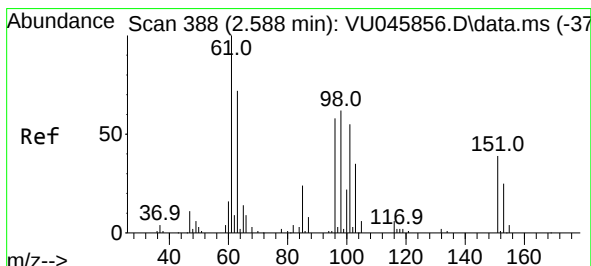
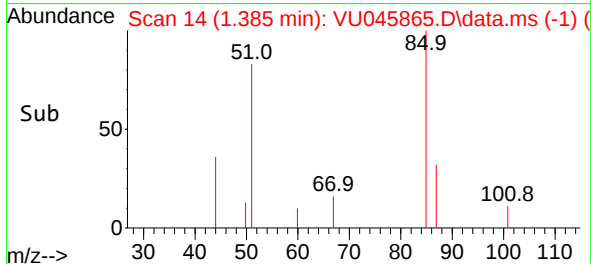
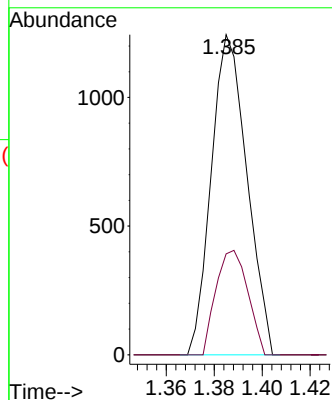
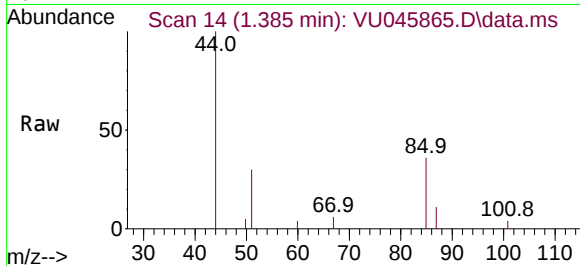




#2
 Dichlorodifluoromethane
 Concen: 0.170 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. -0.003 min
 Lab File: VU045865.D
 Acq: 18 Nov 2021 13:55

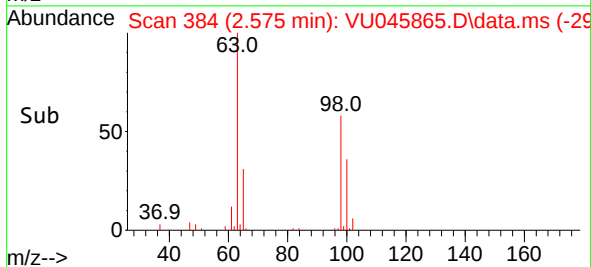
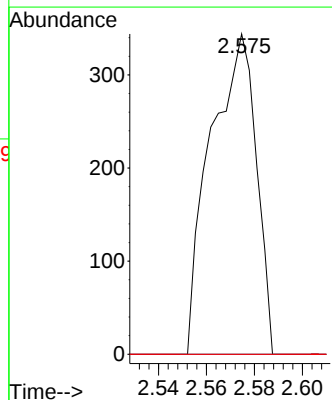
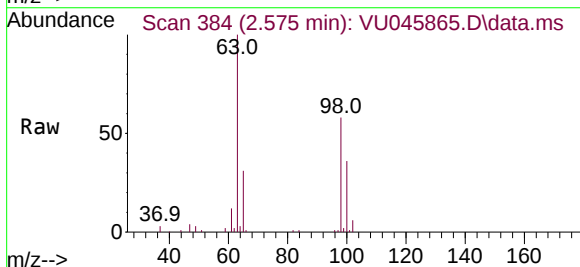
Instrument :
 MSVOA_U
 ClientSampleId :

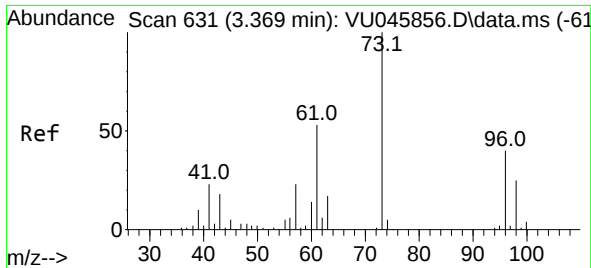
Tgt Ion: 85 Resp: 1283
 Ion Ratio Lower Upper
 85 100
 87 29.1 25.8 38.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.075 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU045865.D
 Acq: 18 Nov 2021 13:55

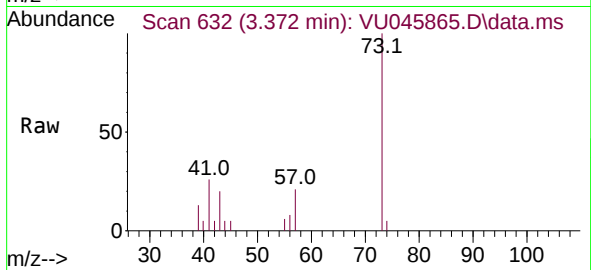
Tgt Ion:101 Resp: 454
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#



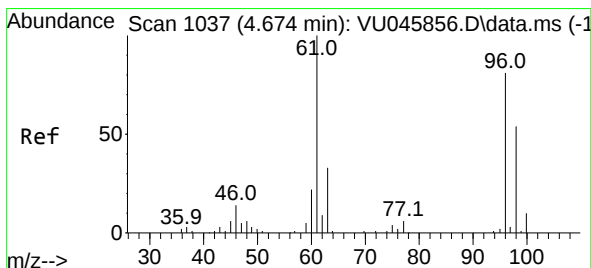
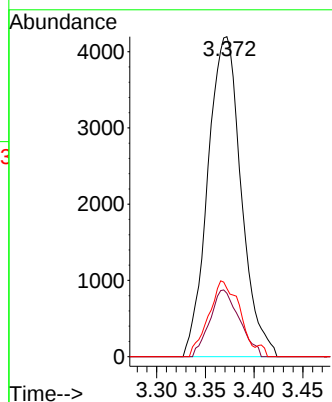
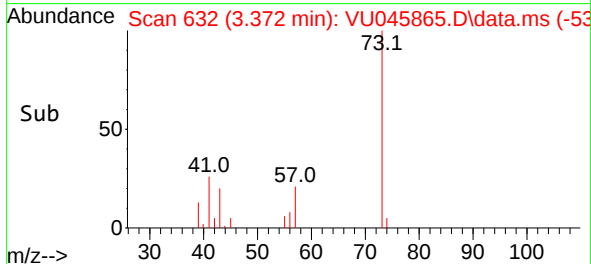


#17
Methyl tert-butyl Ether
Concen: 0.667 ug/L
RT: 3.372 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU045865.D
Acq: 18 Nov 2021 13:55

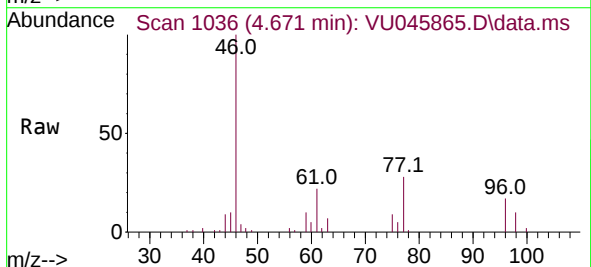
Instrument :
MSVOA_U
ClientSampleId :



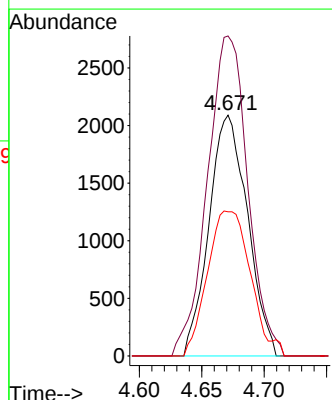
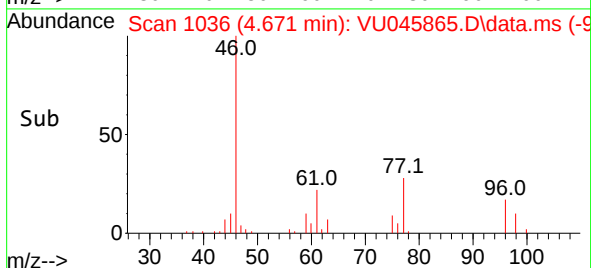
Tgt Ion: 73 Resp: 9974
Ion Ratio Lower Upper
73 100
43 18.6 14.8 22.2
57 21.9 17.4 26.0

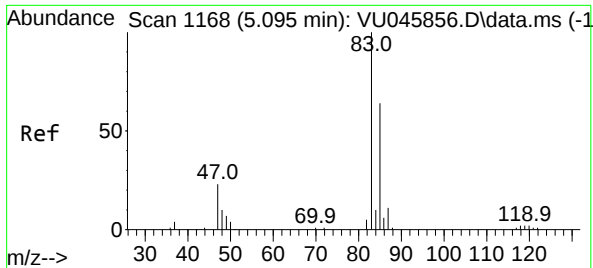


#22
cis-1,2-Dichloroethene
Concen: 0.674 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU045865.D
Acq: 18 Nov 2021 13:55



Tgt Ion: 96 Resp: 4500
Ion Ratio Lower Upper
96 100
61 132.9 88.5 164.3
98 59.9 44.4 82.5

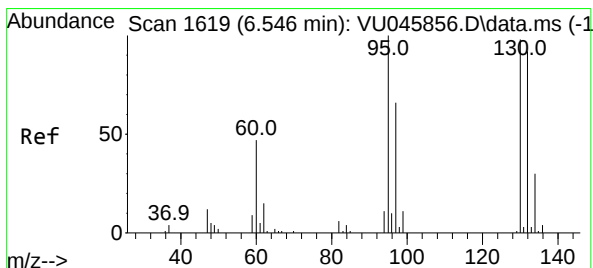
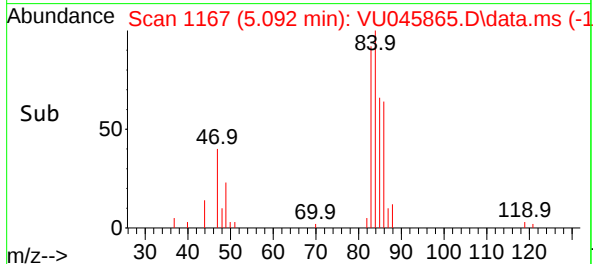
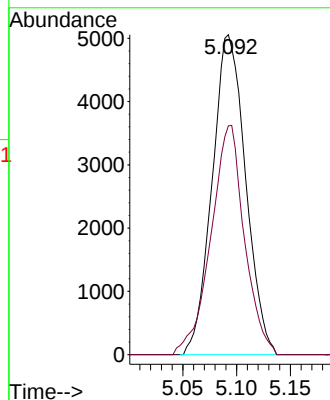
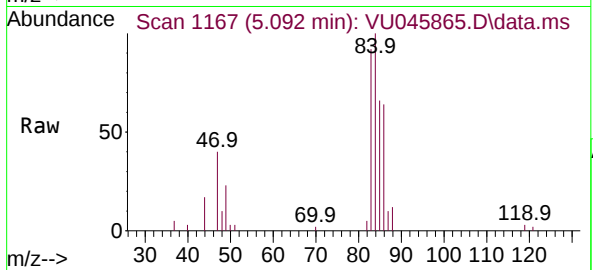




#25
Chloroform
Concen: 0.874 ug/L
RT: 5.092 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU045865.D
Acq: 18 Nov 2021 13:55

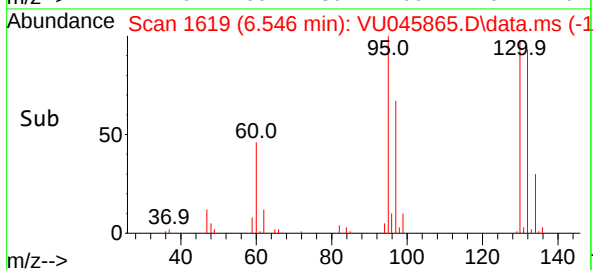
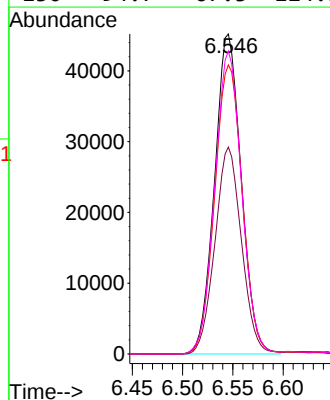
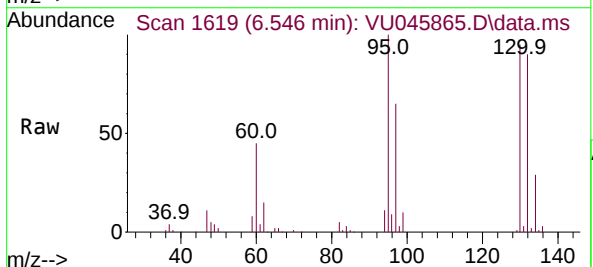
Instrument :
MSVOA_U
ClientSampleId :

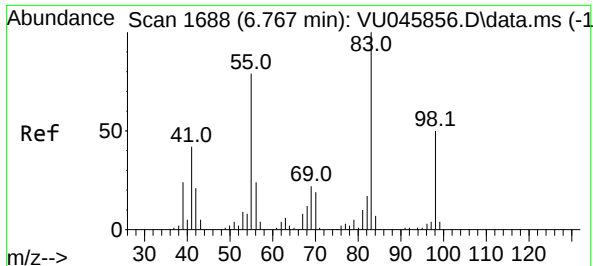
Tgt Ion: 83 Resp: 10947
Ion Ratio Lower Upper
83 100
85 71.5 46.9 87.1



#34
Trichloroethene
Concen: 11.828 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045865.D
Acq: 18 Nov 2021 13:55

Tgt Ion: 95 Resp: 83504
Ion Ratio Lower Upper
95 100
97 64.6 46.5 86.5
132 90.4 65.1 120.9
130 94.7 67.3 124.9

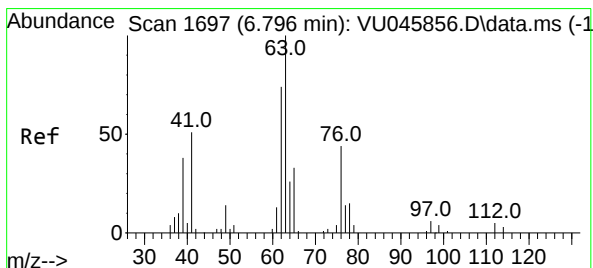
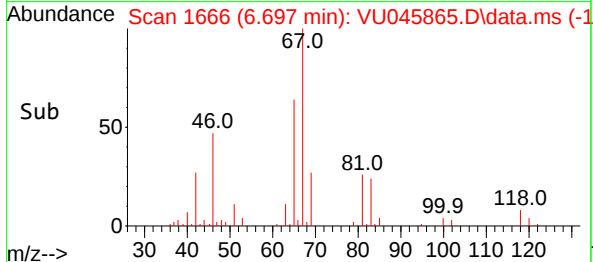
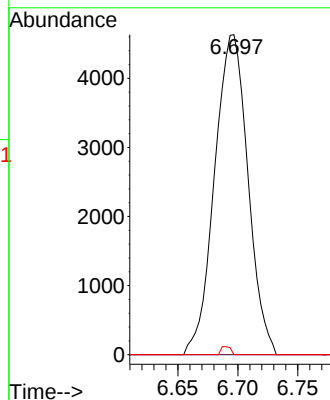
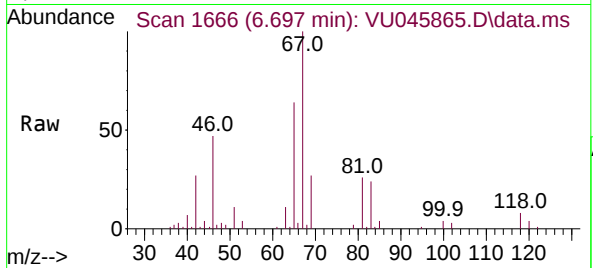




#35
Methylcyclohexane
Concen: 0.827 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU045865.D
Acq: 18 Nov 2021 13:55

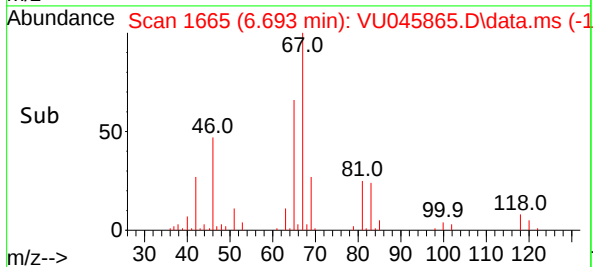
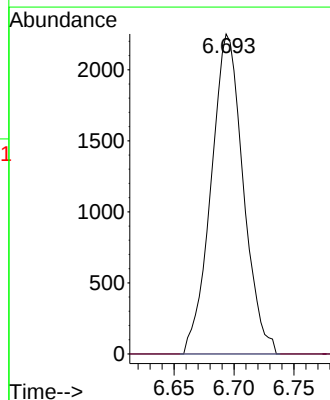
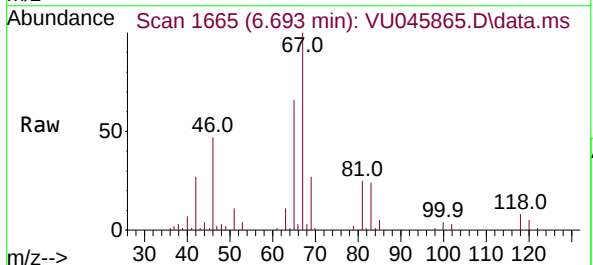
Instrument :
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ClientSampleId :

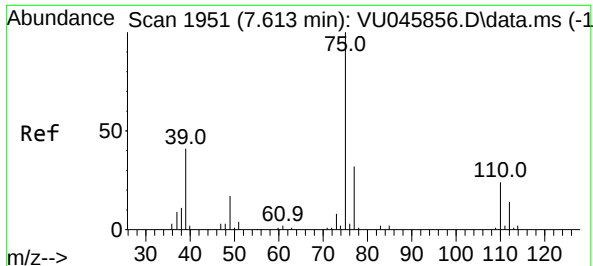
Tgt Ion: 83 Resp: 8971
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.582 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045865.D
Acq: 18 Nov 2021 13:55

Tgt Ion: 63 Resp: 4198
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.565 min Scan# 1951

Delta R.T. -0.048 min

Lab File: VU045865.D

Acq: 18 Nov 2021 13:55

Instrument :

MSVOA_U

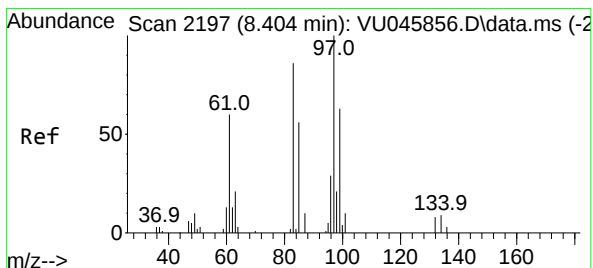
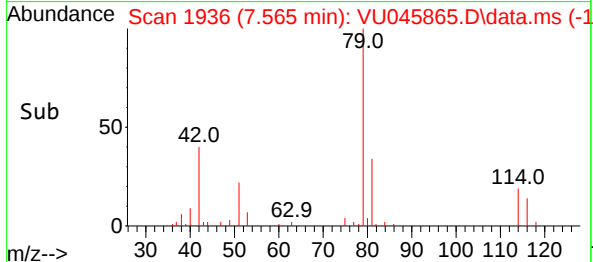
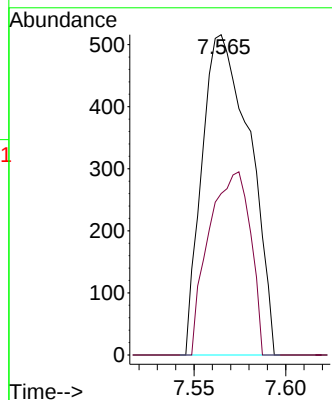
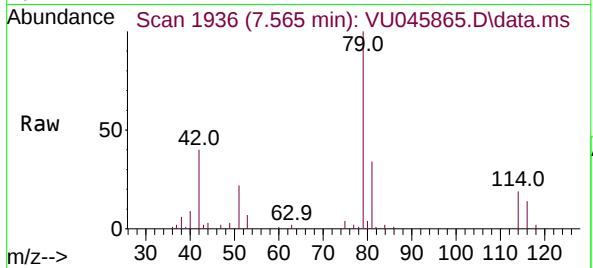
ClientSampleId :

Tgt Ion: 75 Resp: 934

Ion Ratio Lower Upper

75 100

77 50.4 22.5 41.9#



#45

1,1,2-Trichloroethane

Concen: 0.108 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.148 min

Lab File: VU045865.D

Acq: 18 Nov 2021 13:55

Tgt Ion: 97 Resp: 577

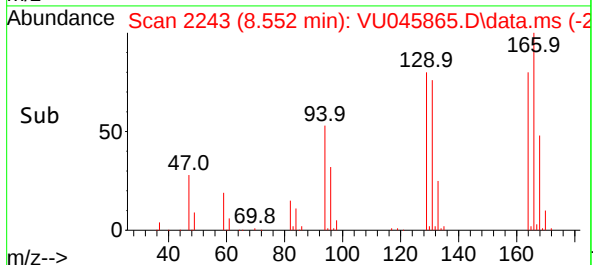
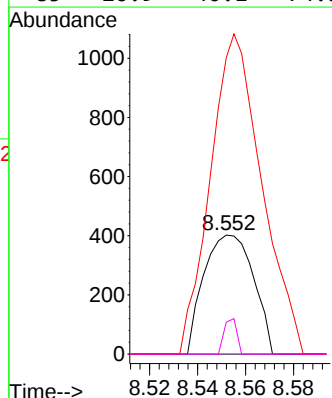
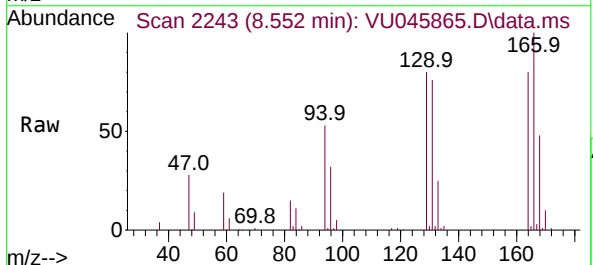
Ion Ratio Lower Upper

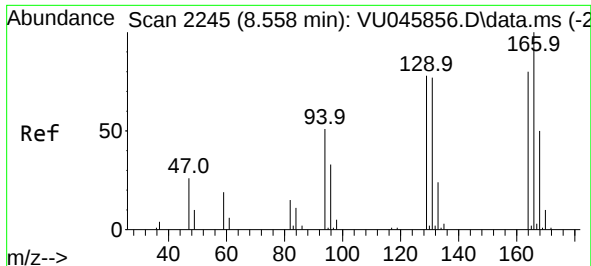
97 100

99 0.0 42.3 78.5#

83 249.3 62.0 115.2#

85 26.9 40.1 74.5#





#47

Tetrachloroethene

Concen: 13.259 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.003 min

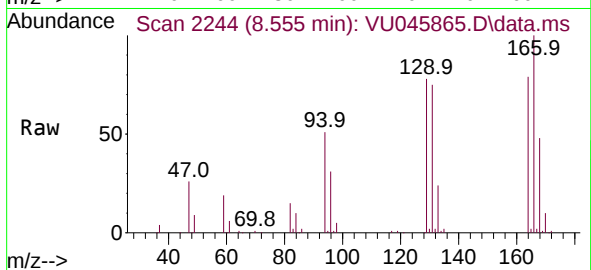
Lab File: VU045865.D

Acq: 18 Nov 2021 13:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 65531

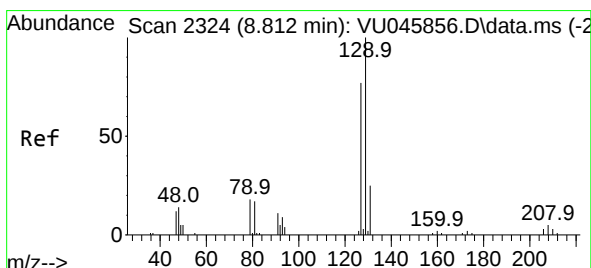
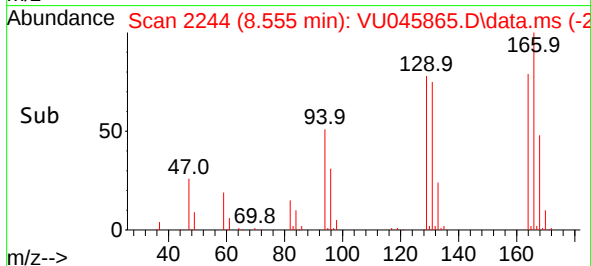
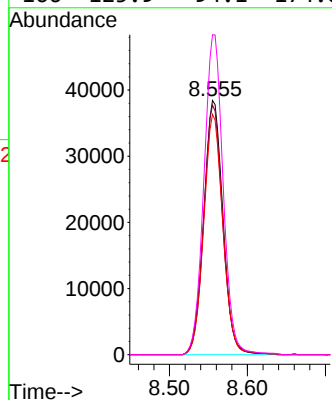
Ion Ratio Lower Upper

164 100

129 98.2 71.8 133.4

131 94.5 68.5 127.3

166 125.9 94.1 174.8



#49

Dibromochloromethane

Concen: 10.585 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU045865.D

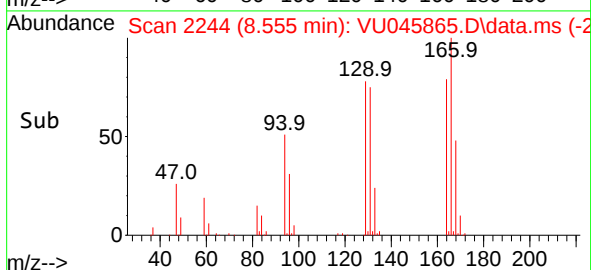
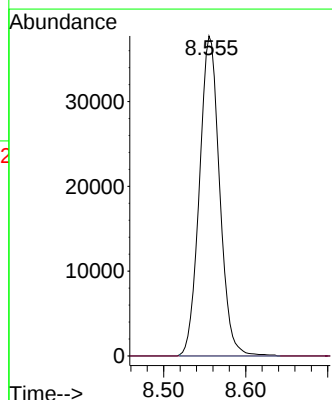
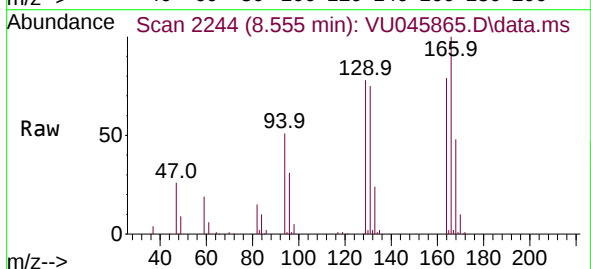
Acq: 18 Nov 2021 13:55

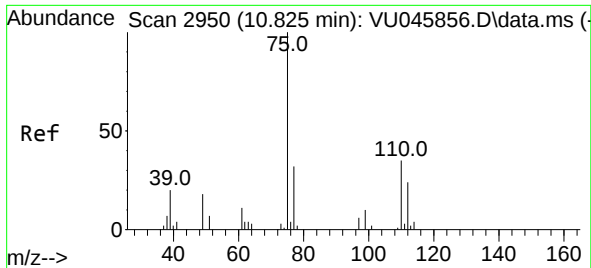
Tgt Ion:129 Resp: 64526

Ion Ratio Lower Upper

129 100

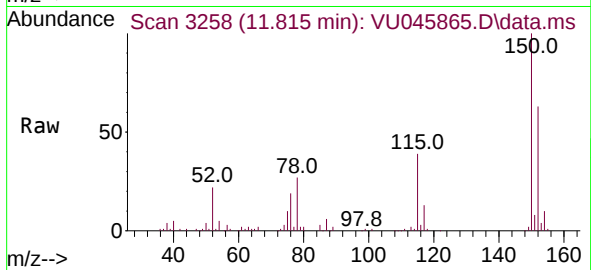
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.369 ug/L
 RT: 11.815 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU045865.D
 Acq: 18 Nov 2021 13:55

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 6402
 Ion Ratio Lower Upper
 75 100
 110 1.5 29.9 44.9#
 77 26.9 25.5 38.3

