

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045089.D
 Acq On : 04 Oct 2021 12:29
 Operator : SY/MD
 Sample : M3997-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A52

Quant Time: Oct 05 02:43:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

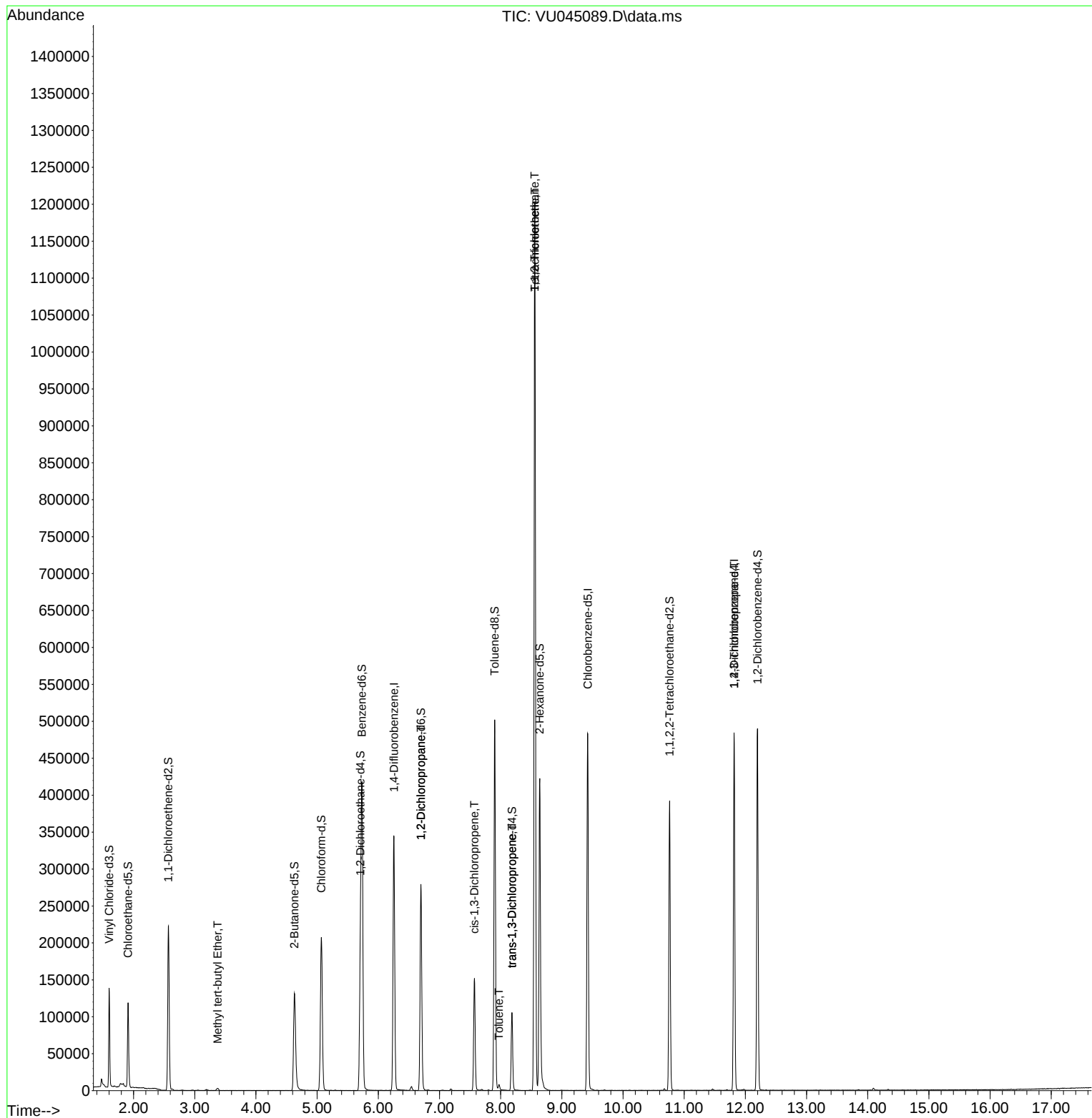
Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	266331	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	253633	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	117670	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	93579	32.097	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	64.200%		
7) Chloroethane-d5	1.909	69	85949	37.201	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	74.400%		
11) 1,1-Dichloroethene-d2	2.568	63	133118	27.188	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.380%#		
21) 2-Butanone-d5	4.629	46	196397	85.206	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.210%		
24) Chloroform-d	5.070	84	189819	41.222	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.440%		
26) 1,2-Dichloroethane-d4	5.707	65	135485	43.437	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.880%		
32) Benzene-d6	5.732	84	374172	42.515	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.020%		
36) 1,2-Dichloropropane-d6	6.697	67	124503	43.385	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.780%		
41) Toluene-d8	7.903	98	318611	41.950	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.900%		
43) trans-1,3-Dichloroprop...	8.186	79	57461	45.014	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.020%		
47) 2-Hexanone-d5	8.639	63	147534	92.771	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.770%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	191731	42.906	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	85.820%		
66) 1,2-Dichlorobenzene-d4	12.198	152	121101	47.290	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.580%		
Target Compounds						Qvalue
18) Methyl tert-butyl Ether	3.372	73	3389	0.473	ug/L #	85
37) 1,2-Dichloropropane	6.697	63	14204	5.546	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	3602	0.983	ug/L #	54
42) Toluene	7.973	91	5195	0.544	ug/L	98
44) trans-1,3-Dichloropropene	8.186	75	2644	0.759	ug/L #	76
45) 1,1,2-Trichloroethane	8.555	97	2106	0.907	ug/L #	1
46) Tetrachloroethene	8.559	164	250783	155.283	ug/L	97
60) 1,2,3-Trichloropropane	11.816	75	16162	4.966	ug/L #	67

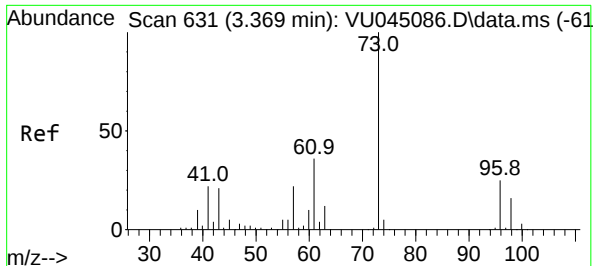
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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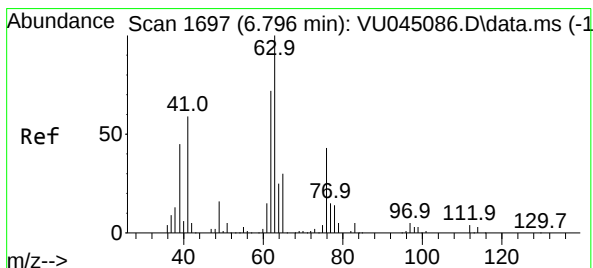
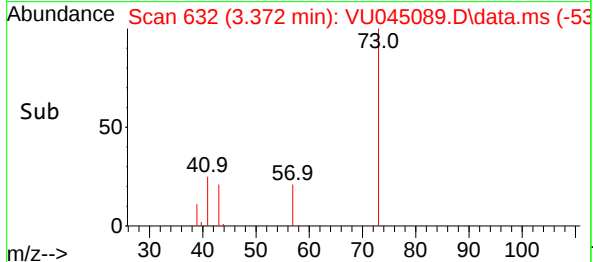
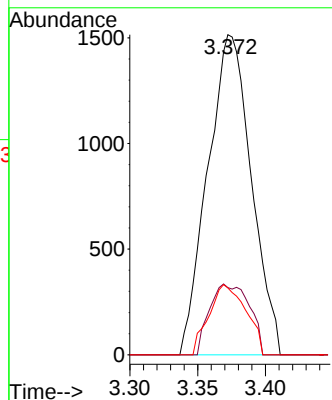
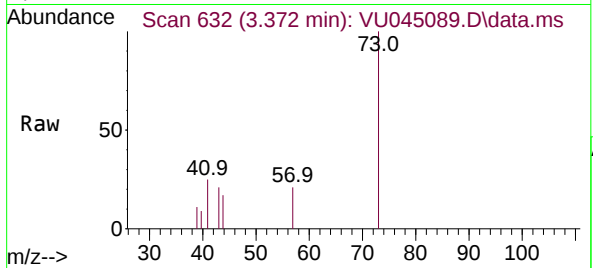




#18
Methyl tert-butyl Ether
Concen: 0.473 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.003 min
Lab File: VU045089.D
Acq: 04 Oct 2021 12:29

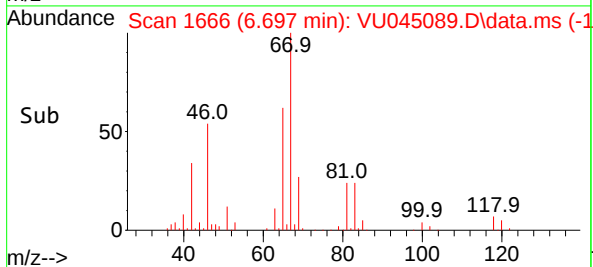
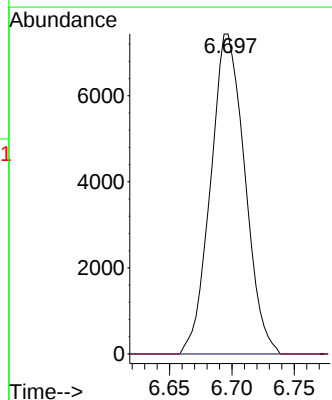
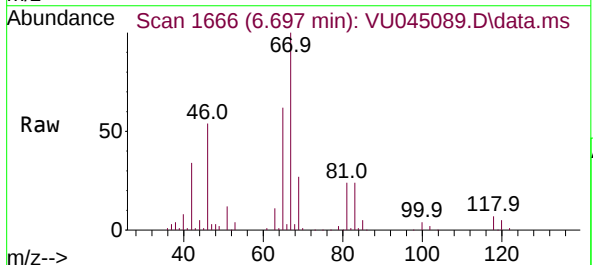
Instrument :
MSVOA_U
ClientSampled :
F4A52

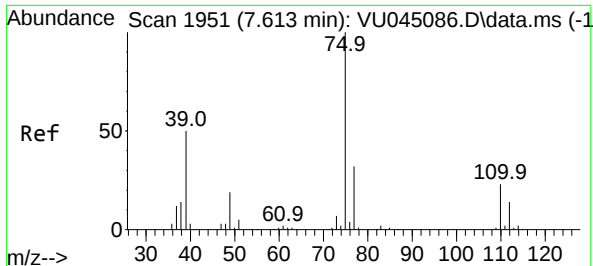
Tgt Ion: 73 Resp: 3389
Ion Ratio Lower Upper
73 100
43 11.8 17.3 25.9#
57 18.6 18.7 28.1#



#37
1,2-Dichloropropane
Concen: 5.546 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU045089.D
Acq: 04 Oct 2021 12:29

Tgt Ion: 63 Resp: 14204
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



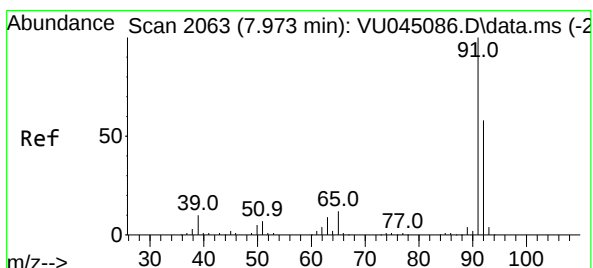
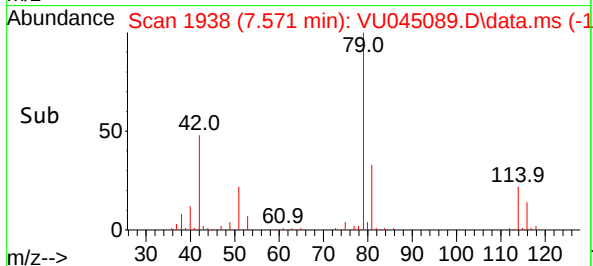
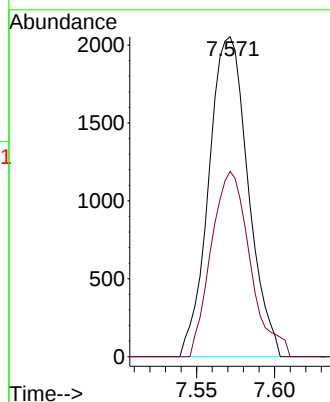
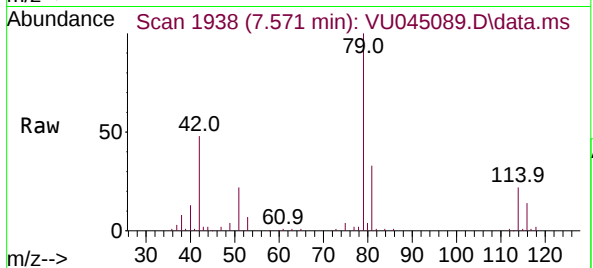


#39

cis-1,3-Dichloropropene
 Concen: 0.983 ug/L
 RT: 7.571 min Scan# 1938
 Delta R.T. -0.042 min
 Lab File: VU045089.D
 Acq: 04 Oct 2021 12:29

Instrument :
 MSVOA_U
 ClientSampled :
 F4A52

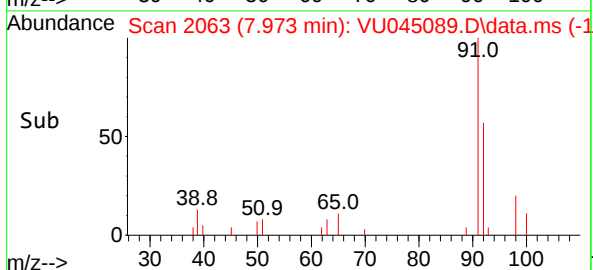
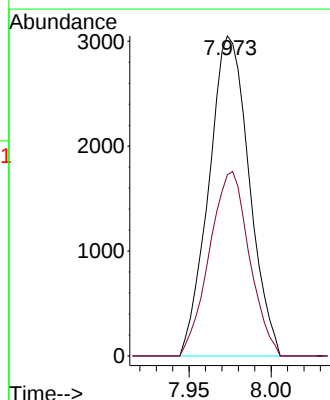
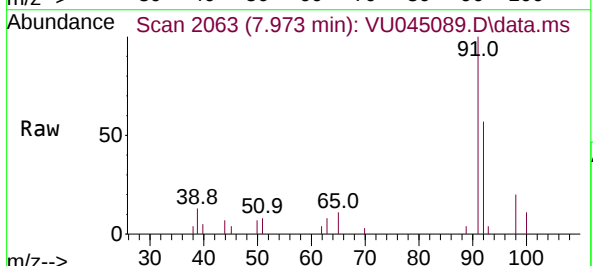
Tgt Ion: 75 Resp: 3602
 Ion Ratio Lower Upper
 75 100
 77 57.9 22.4 41.6#

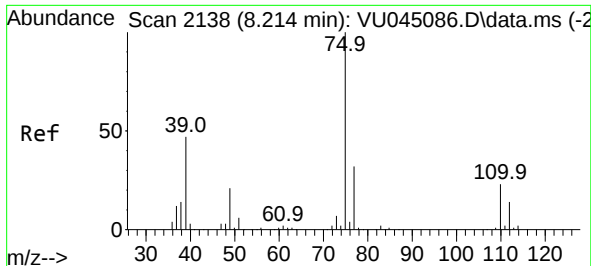


#42

Toluene
 Concen: 0.544 ug/L
 RT: 7.973 min Scan# 2063
 Delta R.T. 0.000 min
 Lab File: VU045089.D
 Acq: 04 Oct 2021 12:29

Tgt Ion: 91 Resp: 5195
 Ion Ratio Lower Upper
 91 100
 92 56.6 40.5 75.1

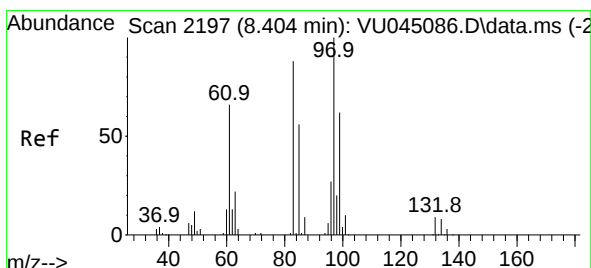
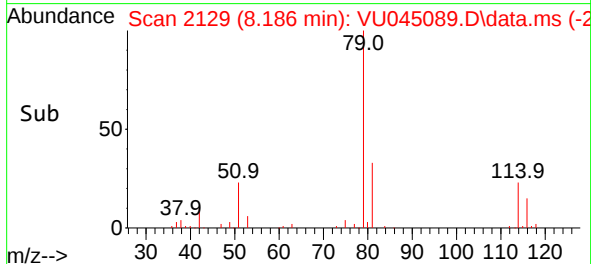
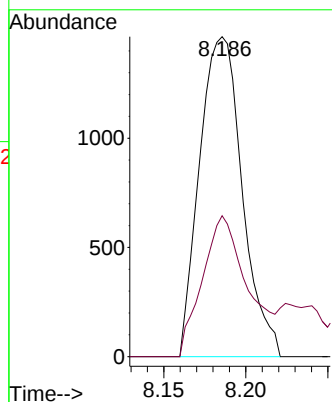
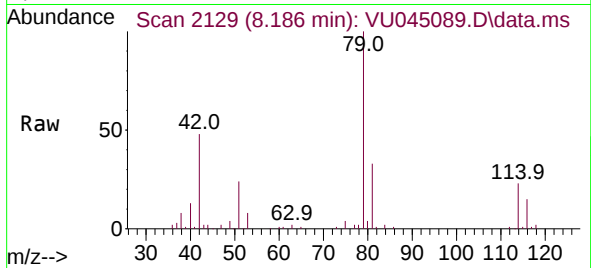




#44
trans-1,3-Dichloropropene
Concen: 0.759 ug/L
RT: 8.186 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU045089.D
Acq: 04 Oct 2021 12:29

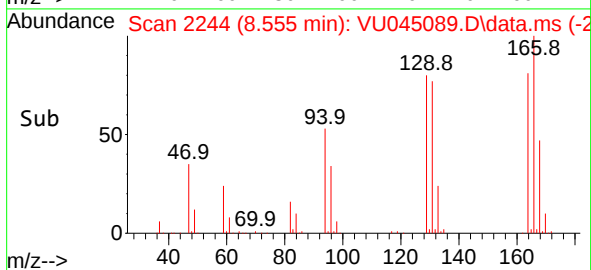
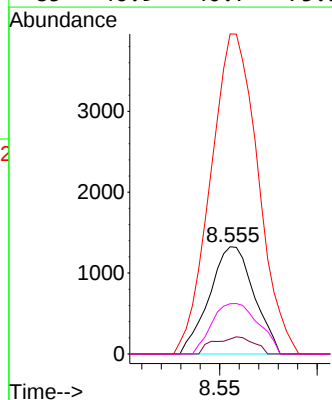
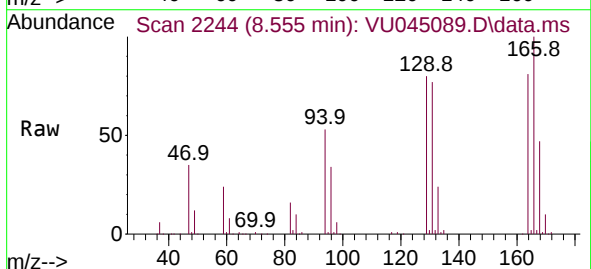
Instrument :
MSVOA_U
ClientSampled :
F4A52

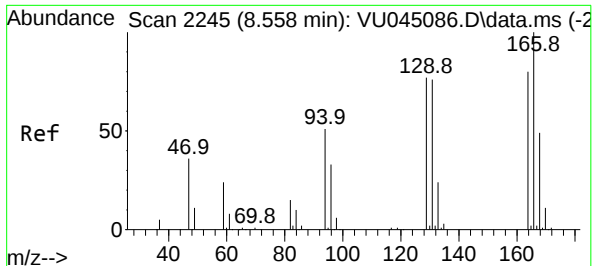
Tgt Ion: 75 Resp: 2644
Ion Ratio Lower Upper
75 100
77 44.0 21.7 40.3#



#45
1,1,2-Trichloroethane
Concen: 0.907 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.151 min
Lab File: VU045089.D
Acq: 04 Oct 2021 12:29

Tgt Ion: 97 Resp: 2106
Ion Ratio Lower Upper
97 100
99 13.9 43.7 81.1#
83 298.6 61.9 115.1#
85 46.9 40.7 75.5

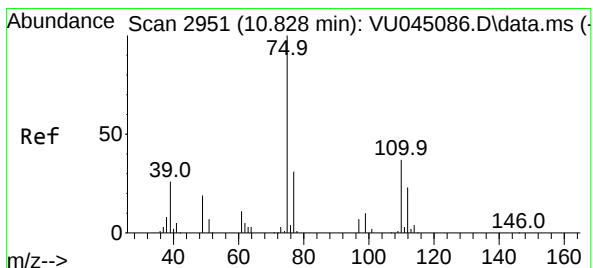
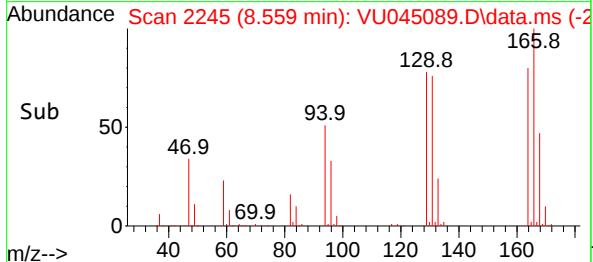
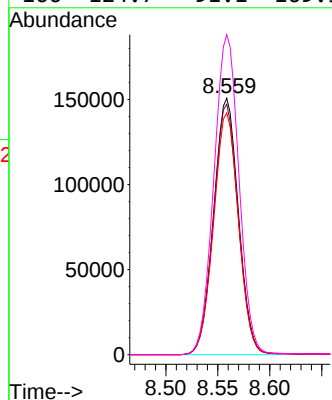
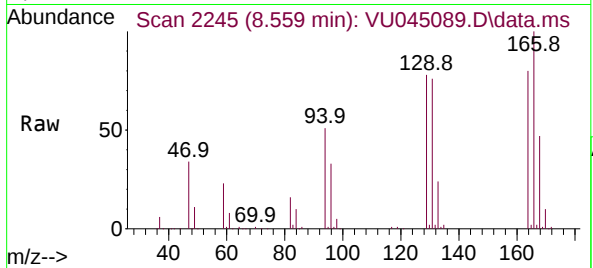




#46
Tetrachloroethene
Concen: 155.283 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU045089.D
Acq: 04 Oct 2021 12:29

Instrument :
MSVOA_U
ClientSampled :
F4A52

Tgt Ion:164 Resp: 250783
Ion Ratio Lower Upper
164 100
129 97.7 69.8 129.6
131 94.3 66.4 123.2
166 124.7 91.1 169.3



#60
1,2,3-Trichloropropane
Concen: 4.966 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU045089.D
Acq: 04 Oct 2021 12:29

Tgt Ion: 75 Resp: 16162
Ion Ratio Lower Upper
75 100
77 34.1 25.5 38.3
110 2.2 29.0 43.4#

