

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100921\
 Data File : VU045268.D
 Acq On : 09 Oct 2021 17:25
 Operator : SY/MD
 Sample : VU1009WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 01:48:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 11 01:47:08 2021
 Response via : Initial Calibration

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

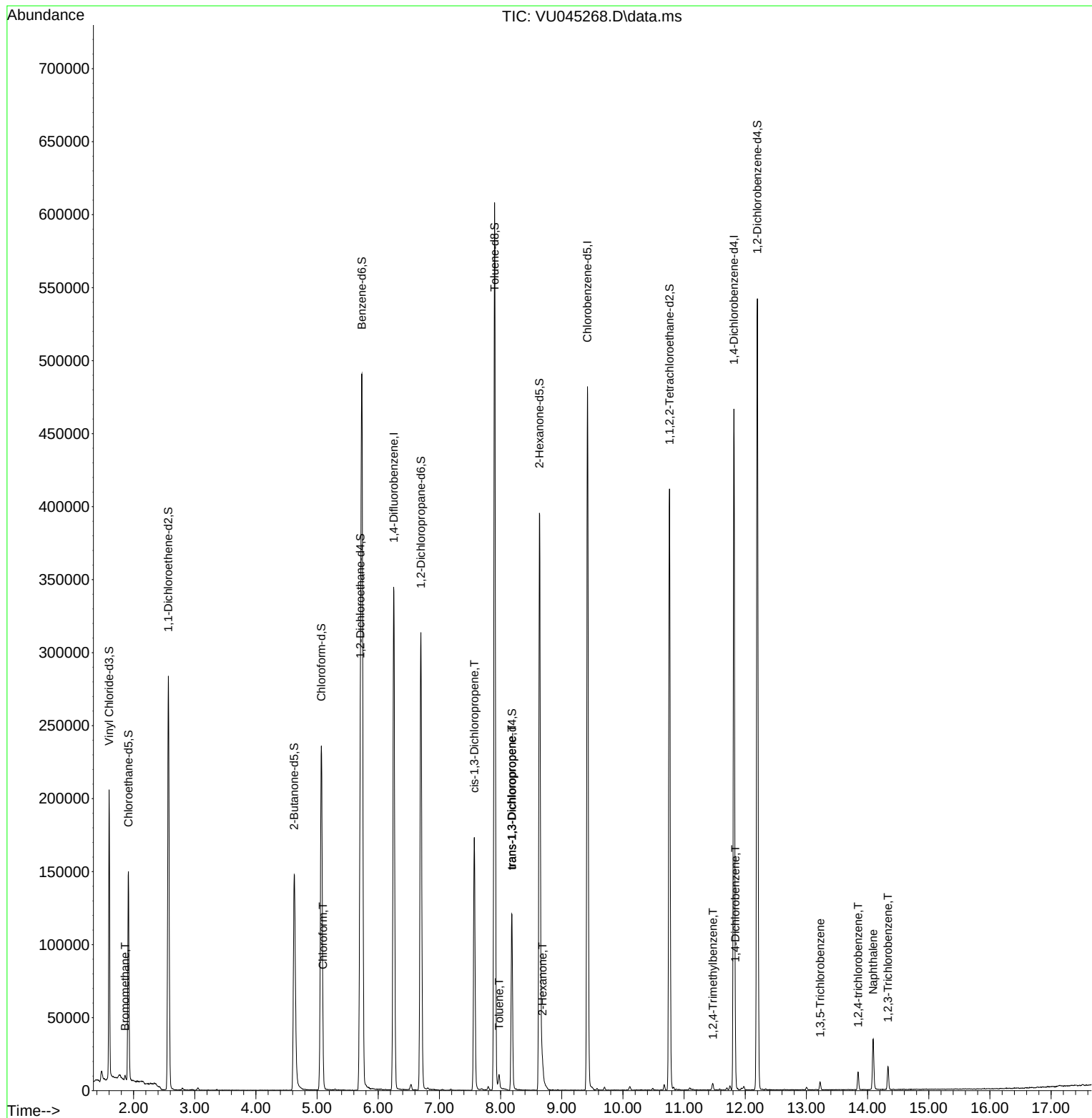
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	269168	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	256674	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	112483	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	131521	44.635	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.260%		
7) Chloroethane-d5	1.915	69	109776	47.014	ug/L	0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.020%		
11) 1,1-Dichloroethene-d2	2.568	63	170479	34.452	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.900%		
21) 2-Butanone-d5	4.626	46	221086	94.907	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.910%		
24) Chloroform-d	5.070	84	213833	45.948	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.900%		
26) 1,2-Dichloroethane-d4	5.706	65	150047	47.599	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.200%		
32) Benzene-d6	5.732	84	446242	50.103	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.200%		
36) 1,2-Dichloropropane-d6	6.697	67	143831	49.527	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.060%		
41) Toluene-d8	7.902	98	385618	50.170	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.340%		
43) trans-1,3-Dichloroprop...	8.185	79	65117	50.407	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.820%		
47) 2-Hexanone-d5	8.635	63	145674	90.516	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.520%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	208773	46.166	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.340%		
66) 1,2-Dichlorobenzene-d4	12.198	152	131918	53.889	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.780%		
Target Compounds						Qvalue
6) Bromomethane	1.861	94	1560	1.033	ug/L	90
25) Chloroform	5.095	83	2511	0.553	ug/L	78
39) cis-1,3-Dichloropropene	7.571	75	4170	1.124	ug/L #	62
42) Toluene	7.976	91	6499	0.672	ug/L	99
44) trans-1,3-Dichloropropene	8.182	75	3095	0.878	ug/L #	81
48) 2-Hexanone	8.687	43	5913	1.540	ug/L #	81
63) 1,2,4-Trimethylbenzene	11.471	105	2278	0.324	ug/L	92
65) 1,4-Dichlorobenzene	11.838	146	1681	0.431	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.224	180	1859	0.704	ug/L	94
70) 1,2,4-trichlorobenzene	13.844	180	3648	1.663	ug/L	100
71) Naphthalene	14.092	128	30016	3.948	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	5043	2.247	ug/L	100

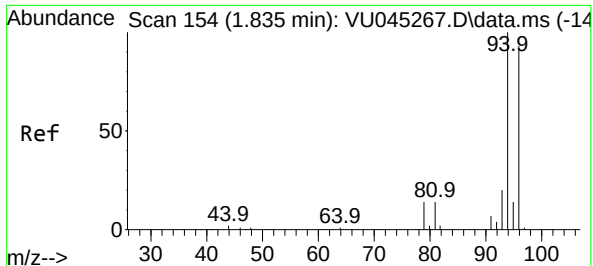
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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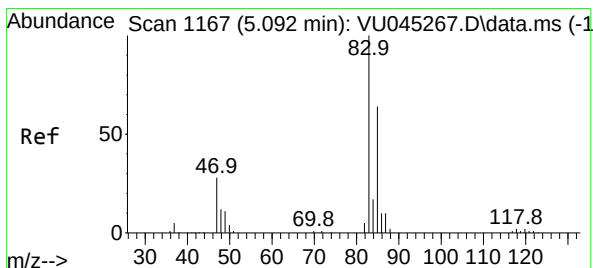
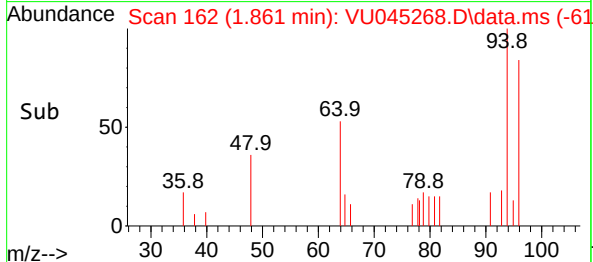
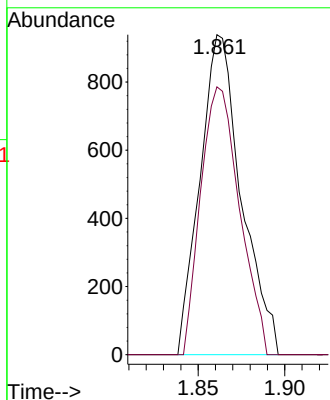
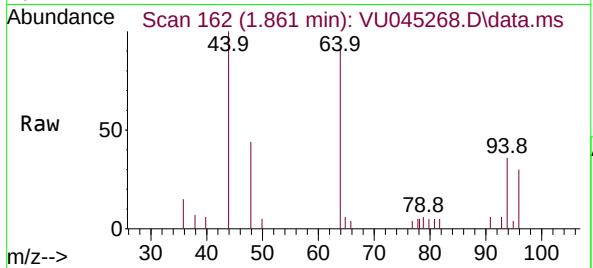




#6
Bromomethane
Concen: 1.033 ug/L
RT: 1.861 min Scan# 162
Delta R.T. 0.025 min
Lab File: VU045268.D
Acq: 09 Oct 2021 17:25

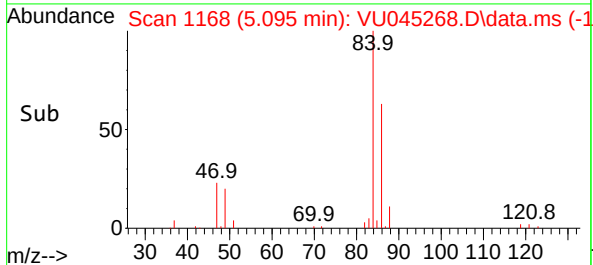
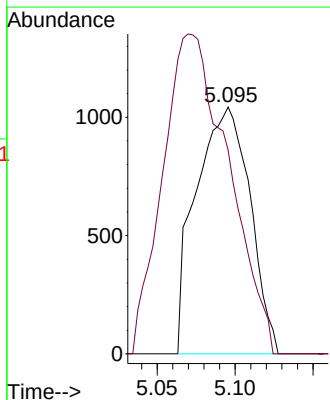
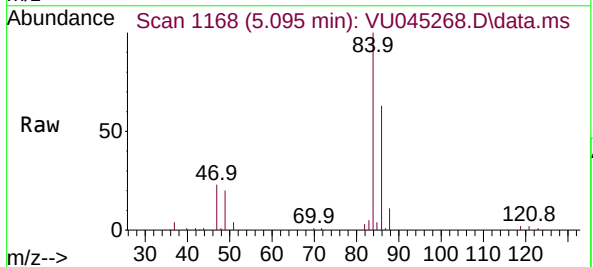
Instrument :
MSVOA_U
ClientSampled :

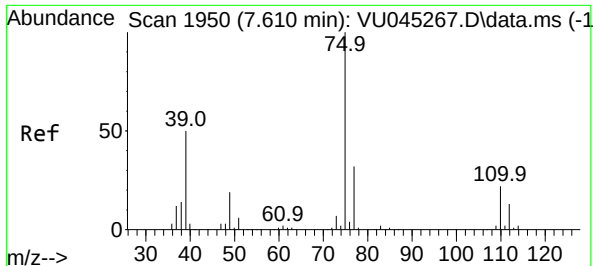
Tgt Ion: 94 Resp: 1560
Ion Ratio Lower Upper
94 100
96 83.7 65.7 121.9



#25
Chloroform
Concen: 0.553 ug/L
RT: 5.095 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VU045268.D
Acq: 09 Oct 2021 17:25

Tgt Ion: 83 Resp: 2511
Ion Ratio Lower Upper
83 100
85 82.6 45.6 84.6



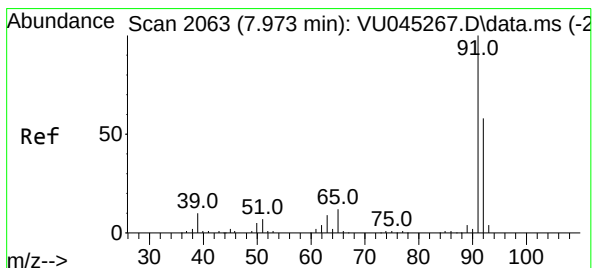
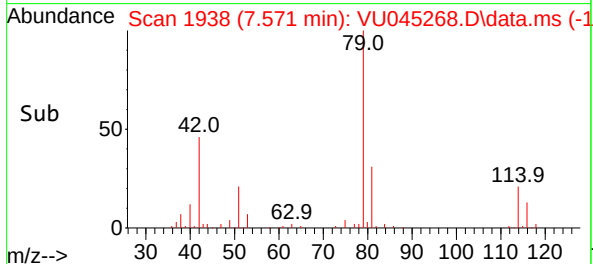
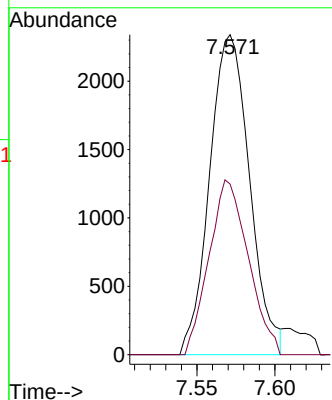
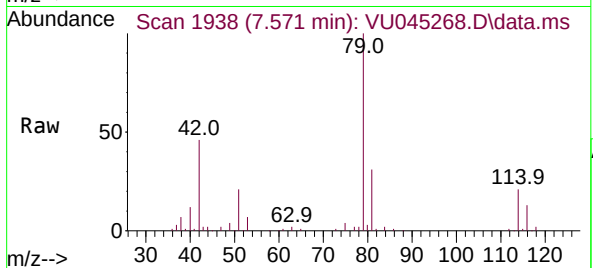


#39

cis-1,3-Dichloropropene
Concen: 1.124 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.039 min
Lab File: VU045268.D
Acq: 09 Oct 2021 17:25

Instrument :
MSVOA_U
ClientSampled :

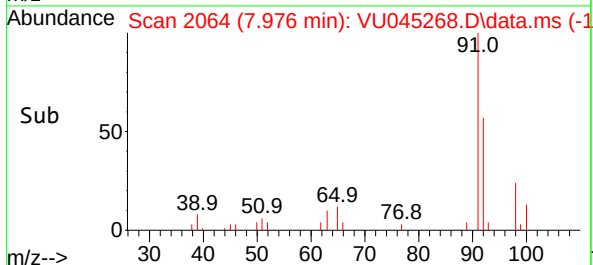
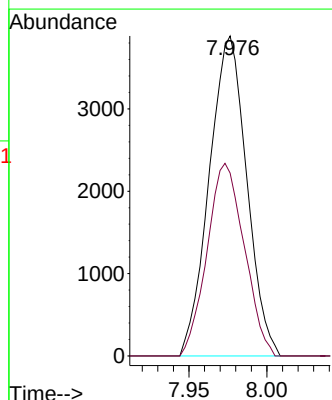
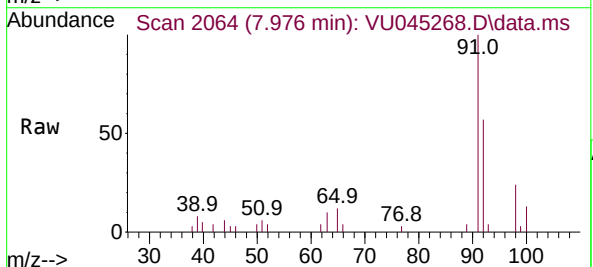
Tgt Ion: 75 Resp: 4170
Ion Ratio Lower Upper
75 100
77 53.3 22.4 41.6#

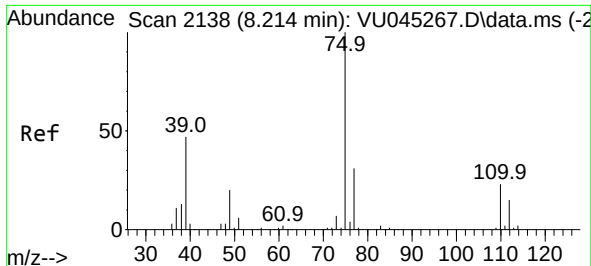


#42

Toluene
Concen: 0.672 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU045268.D
Acq: 09 Oct 2021 17:25

Tgt Ion: 91 Resp: 6499
Ion Ratio Lower Upper
91 100
92 57.1 40.5 75.1

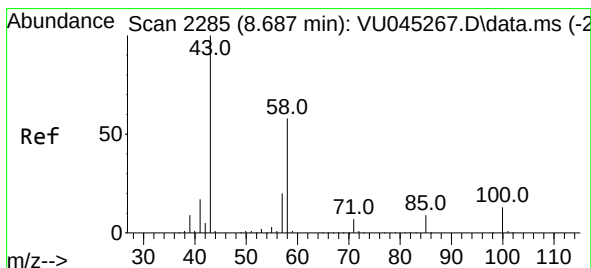
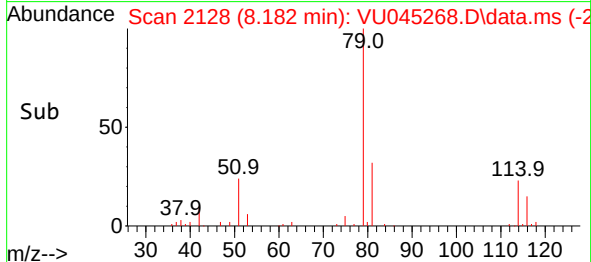
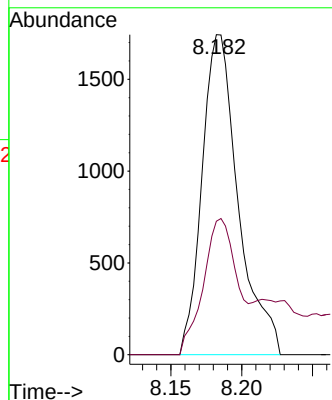
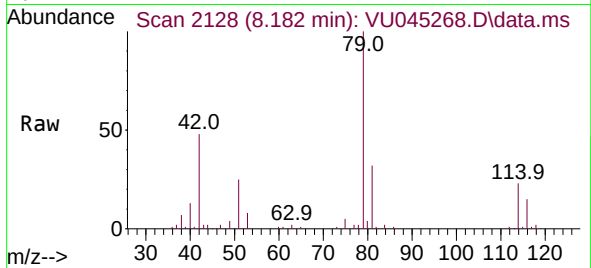




#44
trans-1,3-Dichloropropene
Concen: 0.878 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045268.D
Acq: 09 Oct 2021 17:25

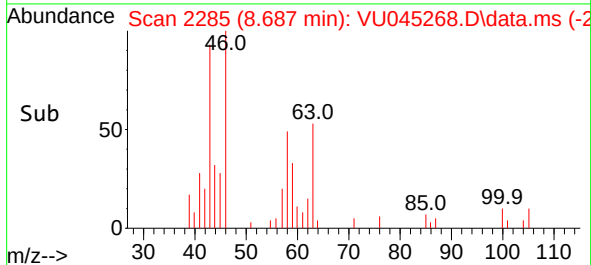
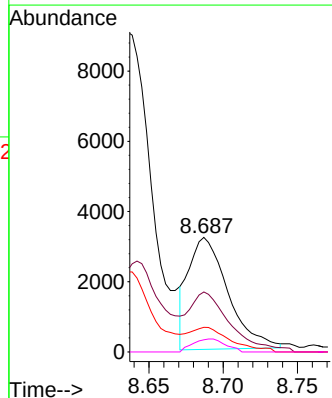
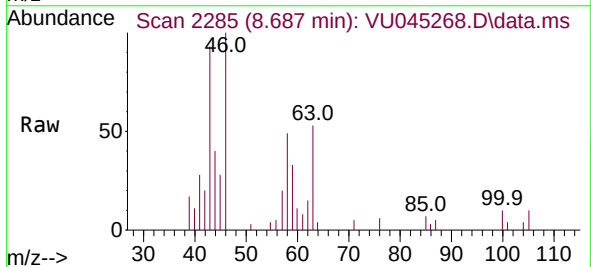
Instrument :
MSVOA_U
ClientSampled :

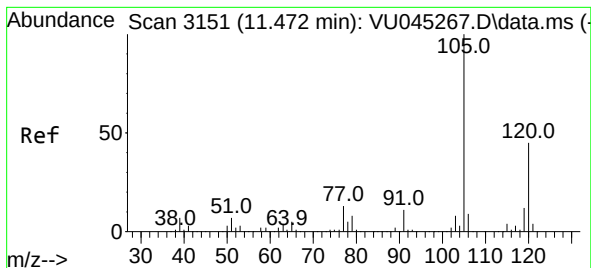
Tgt Ion: 75 Resp: 3095
Ion Ratio Lower Upper
75 100
77 41.7 21.7 40.3#



#48
2-Hexanone
Concen: 1.540 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VU045268.D
Acq: 09 Oct 2021 17:25

Tgt Ion: 43 Resp: 5913
Ion Ratio Lower Upper
43 100
58 46.1 44.9 67.3
57 0.0 15.5 23.3#
100 9.6 9.4 14.0

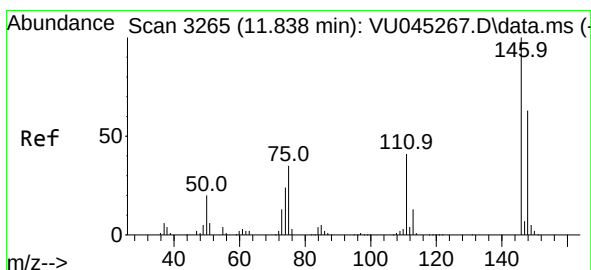
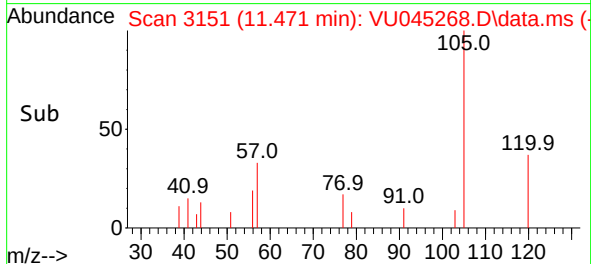
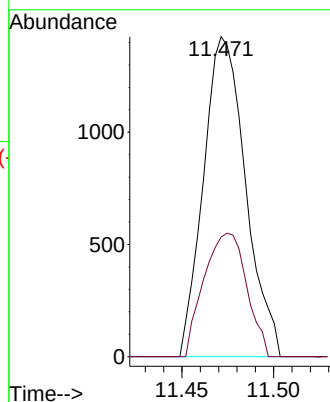
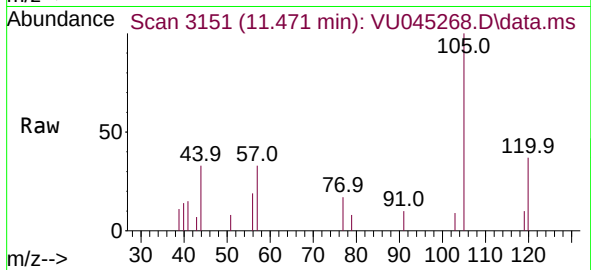




#63
1,2,4-Trimethylbenzene
Concen: 0.324 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045268.D
Acq: 09 Oct 2021 17:25

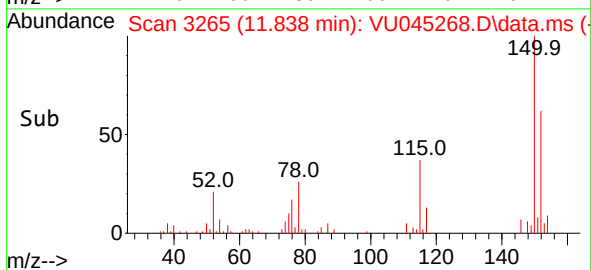
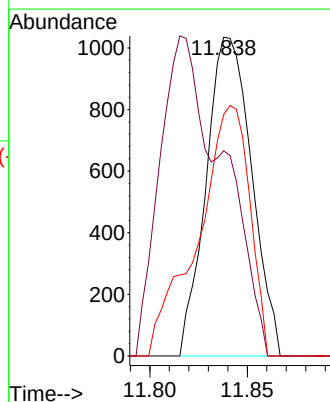
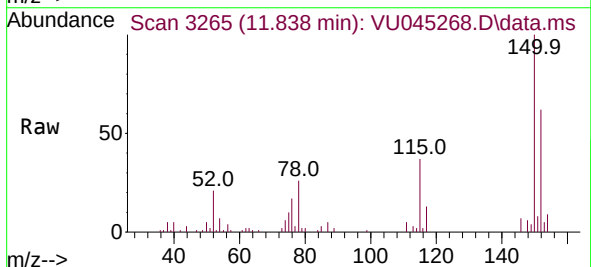
Instrument :
MSVOA_U
ClientSampled :

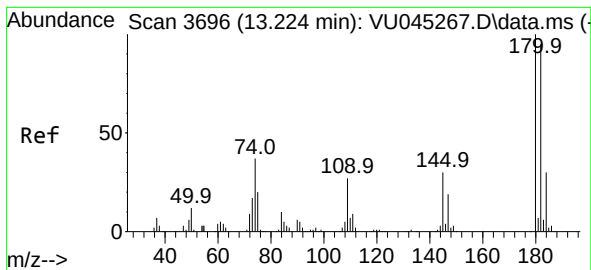
Tgt Ion:105 Resp: 2278
Ion Ratio Lower Upper
105 100
120 39.1 35.7 53.5



#65
1,4-Dichlorobenzene
Concen: 0.431 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU045268.D
Acq: 09 Oct 2021 17:25

Tgt Ion:146 Resp: 1681
Ion Ratio Lower Upper
146 100
111 64.3 28.5 52.9#
148 75.7 45.5 84.5

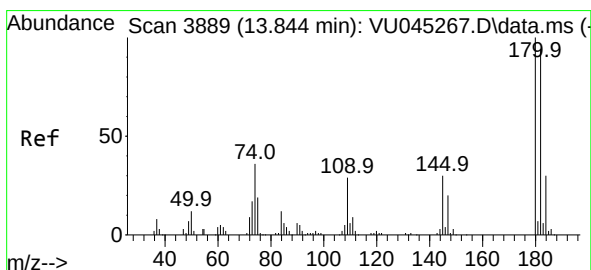
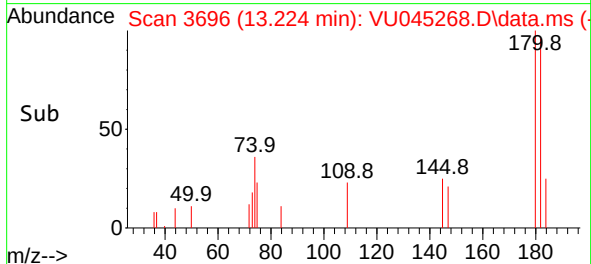
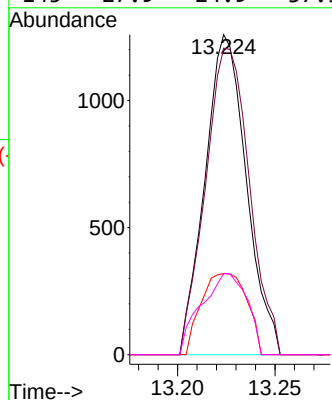
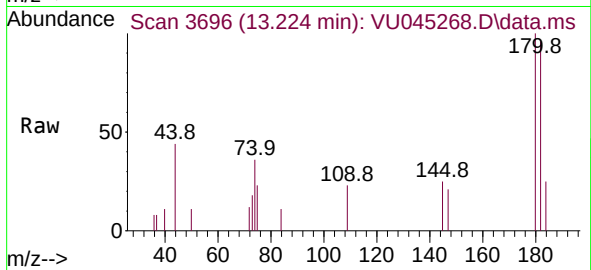




#69
 1,3,5-Trichlorobenzene
 Concen: 0.704 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. -0.000 min
 Lab File: VU045268.D
 Acq: 09 Oct 2021 17:25

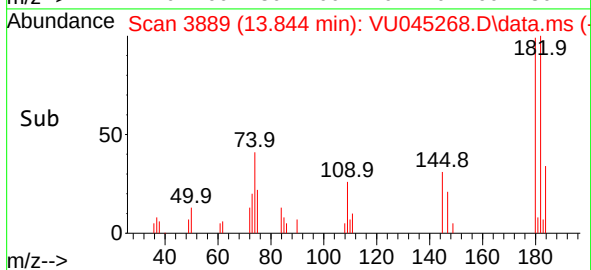
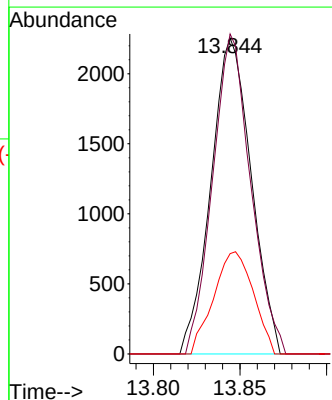
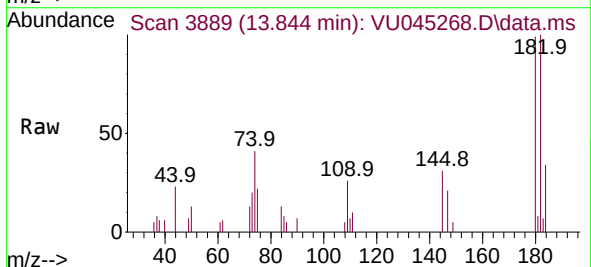
Instrument :
 MSVOA_U
 ClientSampleId :

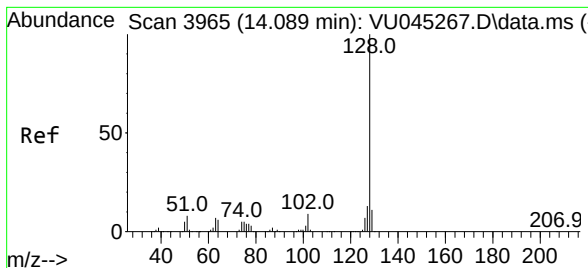
Tgt Ion:	180	Resp:	1859
Ion Ratio	Lower	Upper	
180	100		
182	101.8	76.8	115.2
184	27.9	24.4	36.6
145	27.9	24.9	37.3



#70
 1,2,4-trichlorobenzene
 Concen: 1.663 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. -0.000 min
 Lab File: VU045268.D
 Acq: 09 Oct 2021 17:25

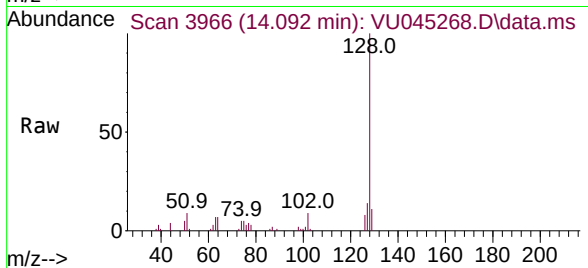
Tgt Ion:	180	Resp:	3648
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.2	114.2
145	31.9	25.4	38.0



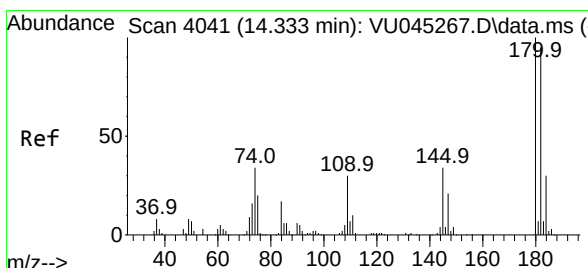
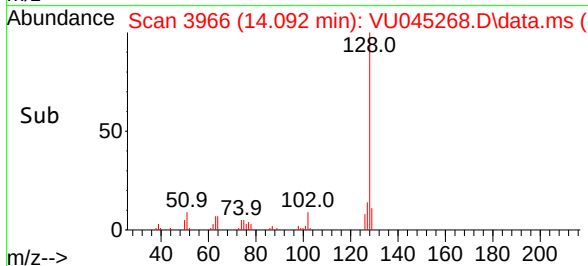
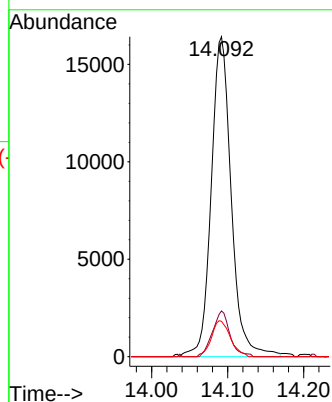


#71
Naphthalene
Concen: 3.948 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045268.D
Acq: 09 Oct 2021 17:25

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 30016
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 2.247 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. -0.000 min
Lab File: VU045268.D
Acq: 09 Oct 2021 17:25

Tgt Ion:180 Resp: 5043
Ion Ratio Lower Upper
180 100
182 96.1 76.8 115.2
145 32.3 26.5 39.7

