

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046414.D
 Acq On : 16 Dec 2021 12:38
 Operator : SY/MD
 Sample : M4997-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Q2

Quant Time: Dec 17 01:51:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

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

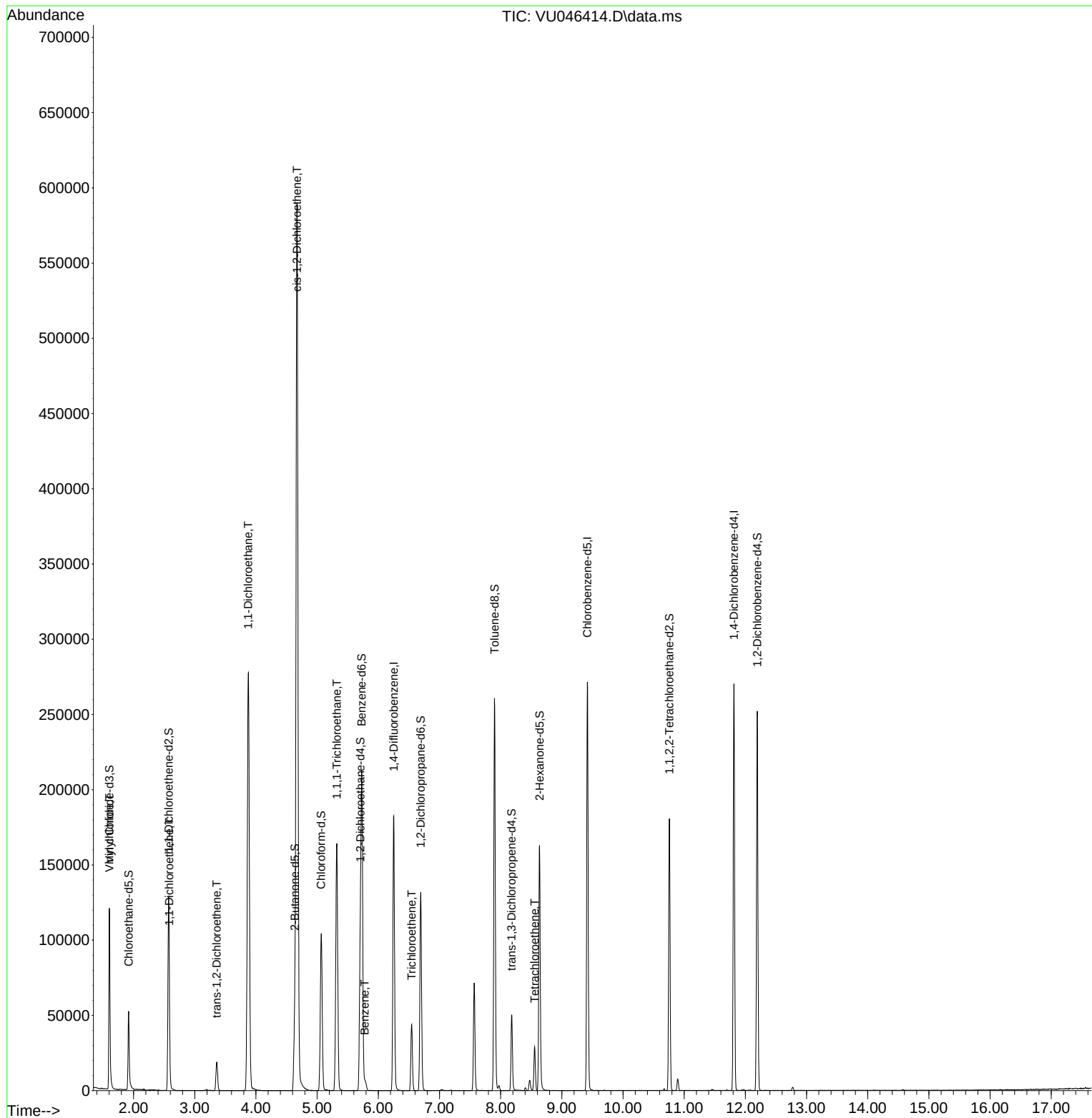
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	144760	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	147565	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	69616	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	60779	50.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.940%
7) Chloroethane-d5	1.919	69	42821	46.770	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.540%
11) 1,1-Dichloroethene-d2	2.575	63	76388	35.684	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.360%
21) 2-Butanone-d5	4.636	46	76997	81.225	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.230%
24) Chloroform-d	5.067	84	98966	49.698	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.707	65	66390	49.678	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.360%
32) Benzene-d6	5.729	84	200510	47.408	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.820%
36) 1,2-Dichloropropane-d6	6.694	67	60278	45.986	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.980%
41) Toluene-d8	7.899	98	170837	44.363	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.720%
43) trans-1,3-Dichloroprop...	8.179	79	28335	44.780	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.560%
47) 2-Hexanone-d5	8.636	63	58089	93.467	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.470%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	86830	43.680	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.360%
66) 1,2-Dichlorobenzene-d4	12.195	152	63680	47.498	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	38306	26.969	ug/L	96
12) 1,1-Dichloroethene	2.585	96	3452	3.449	ug/L	# 1
17) trans-1,2-Dichloroethene	3.359	96	8386	7.917	ug/L	96
19) 1,1-Dichloroethane	3.874	63	319469	165.876	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	310759	270.378	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	120627	66.594	ug/L	100
33) Benzene	5.777	78	4310	0.965	ug/L	100
34) Trichloroethene	6.546	95	15283	12.989	ug/L	98
46) Tetrachloroethene	8.555	164	6432	7.439	ug/L	98

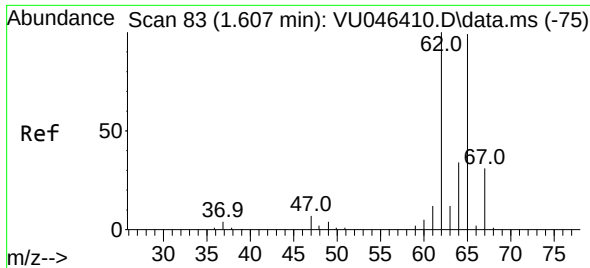
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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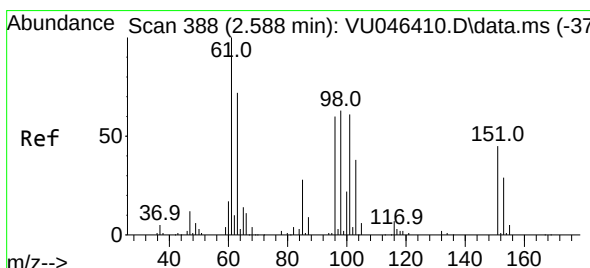
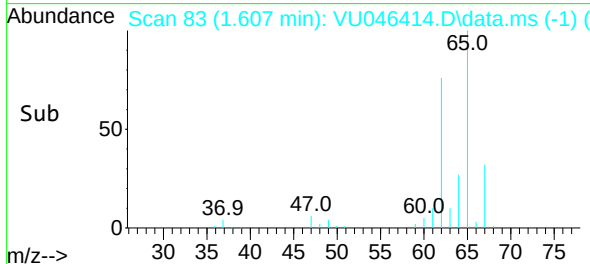
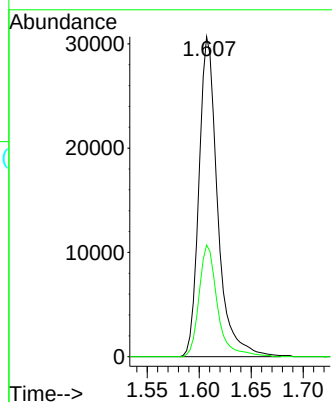
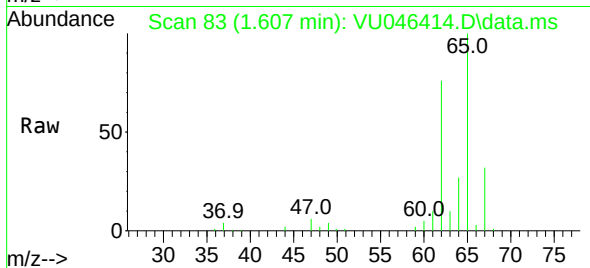




#5
 Vinyl chloride
 Concen: 26.969 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU046414.D
 Acq: 16 Dec 2021 12:38

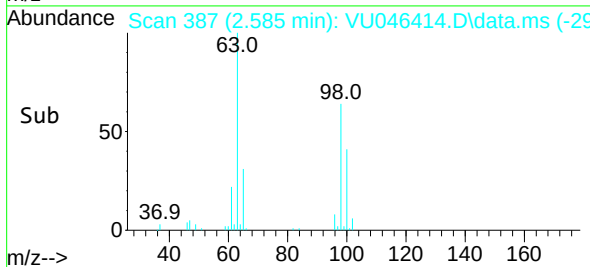
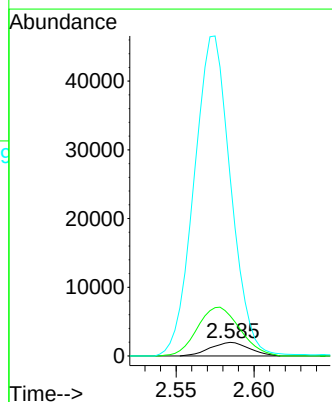
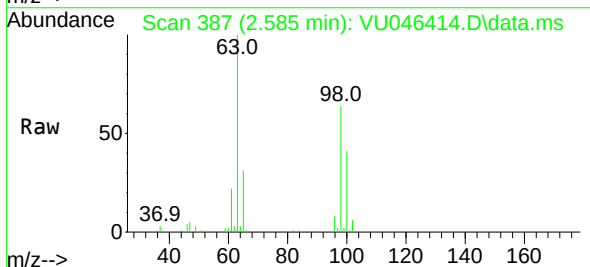
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Q2

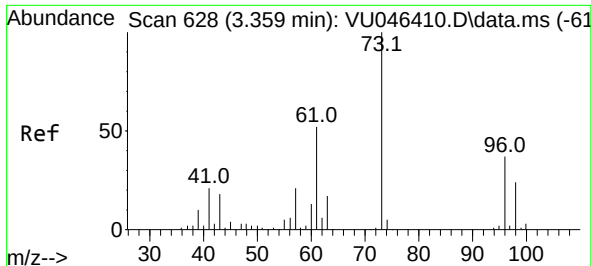
Tgt Ion: 62 Resp: 38306
 Ion Ratio Lower Upper
 62 100
 64 34.9 22.9 42.5



#12
 1,1-Dichloroethene
 Concen: 3.449 ug/L
 RT: 2.585 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU046414.D
 Acq: 16 Dec 2021 12:38

Tgt Ion: 96 Resp: 3452
 Ion Ratio Lower Upper
 96 100
 61 295.1 118.6 220.2#
 63 1319.2 93.0 172.8#

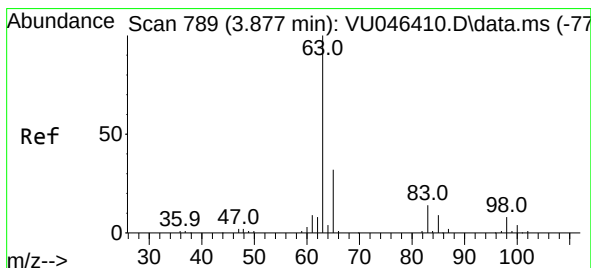
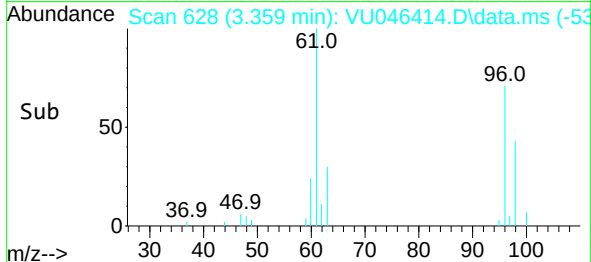
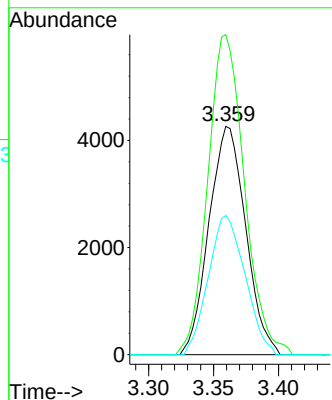
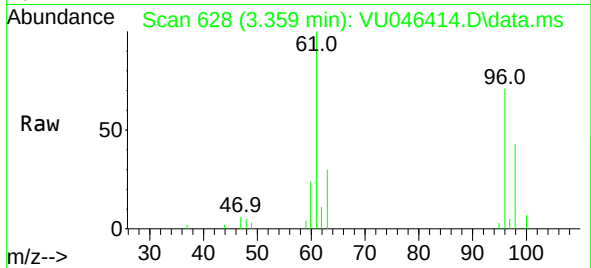




#17
trans-1,2-Dichloroethene
Concen: 7.917 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU046414.D
Acq: 16 Dec 2021 12:38

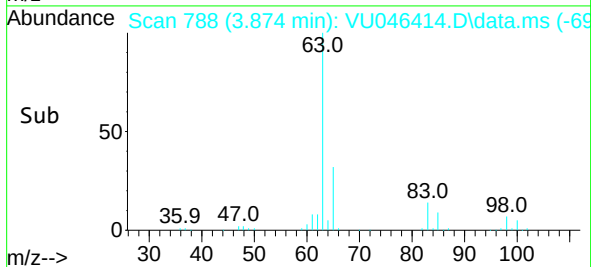
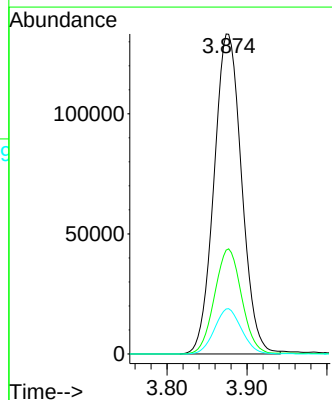
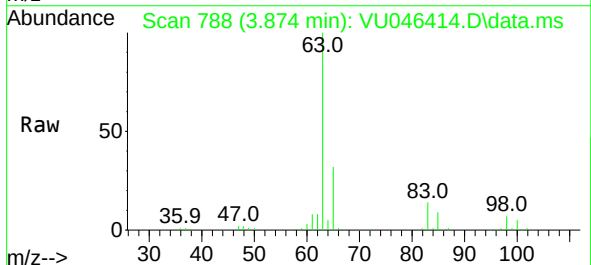
Instrument :
MSVOA_U
ClientSampleId :
EW5Q2

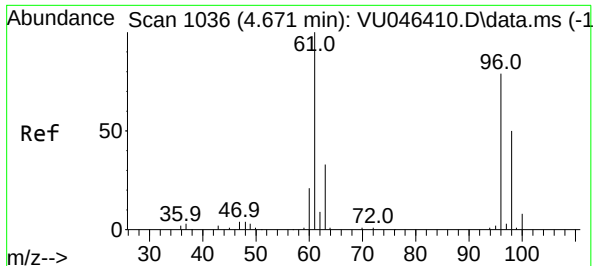
Tgt Ion: 96 Resp: 8386
Ion Ratio Lower Upper
96 100
61 140.1 94.6 175.6
98 60.9 44.0 81.8



#19
1,1-Dichloroethane
Concen: 165.876 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046414.D
Acq: 16 Dec 2021 12:38

Tgt Ion: 63 Resp: 319469
Ion Ratio Lower Upper
63 100
65 32.5 22.8 42.4
83 14.0 9.6 17.8



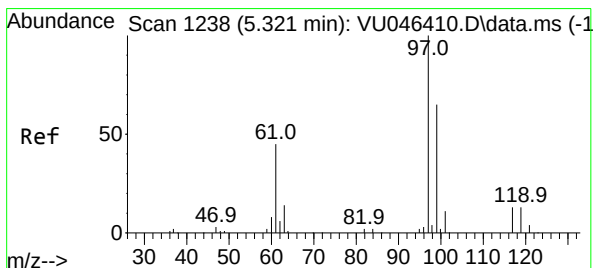
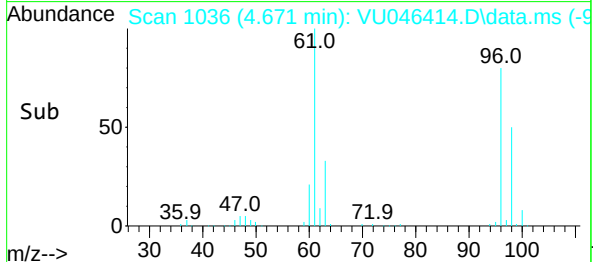
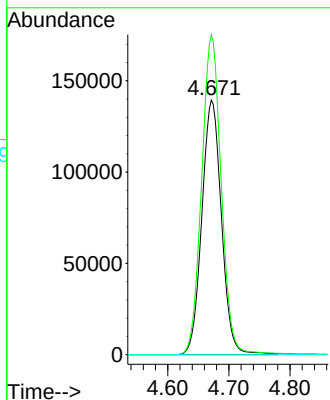
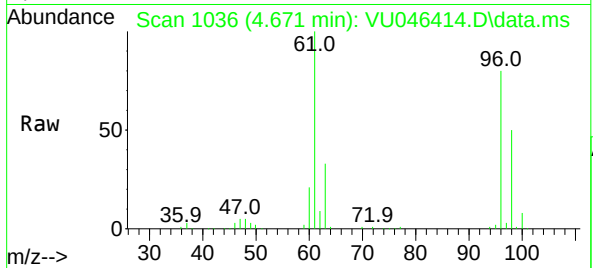


#20
 cis-1,2-Dichloroethene
 Concen: 270.378 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU046414.D
 Acq: 16 Dec 2021 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Q2

Tgt Ion: 96 Resp: 310759

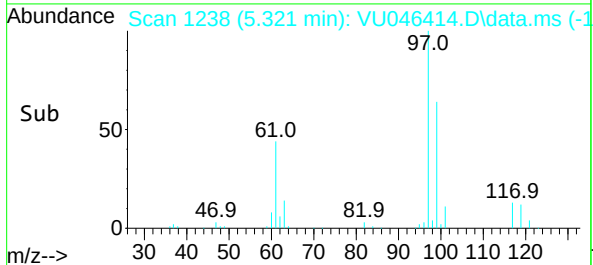
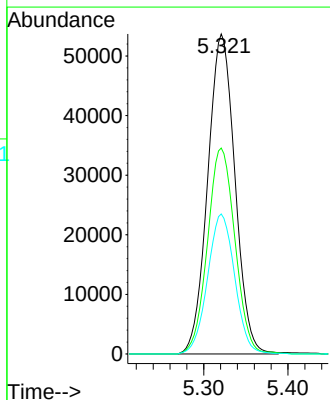
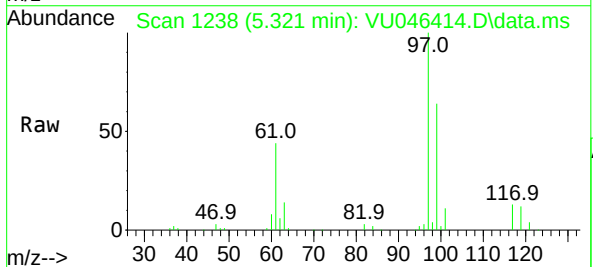
Ion	Ratio	Lower	Upper
96	100		
61	125.7	86.8	161.2
68	0.0	0.0	0.0

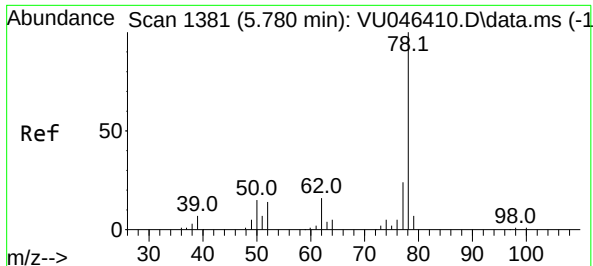


#30
 1,1,1-Trichloroethane
 Concen: 66.594 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. 0.000 min
 Lab File: VU046414.D
 Acq: 16 Dec 2021 12:38

Tgt Ion: 97 Resp: 120627

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	43.5	34.4	51.6

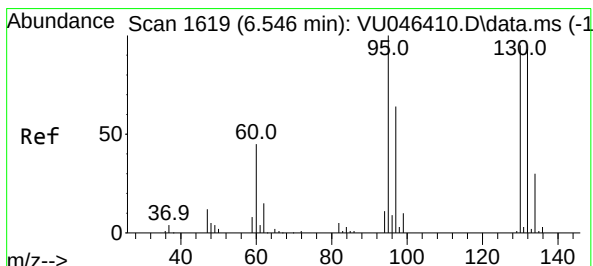
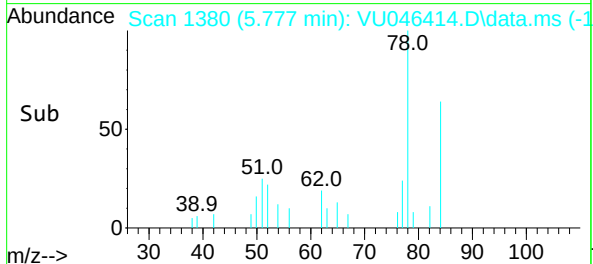
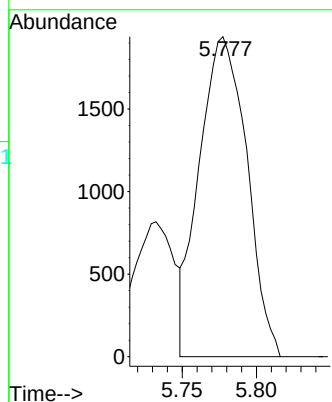
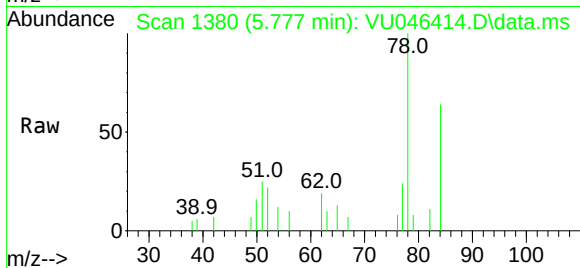




#33
Benzene
Concen: 0.965 ug/L
RT: 5.777 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046414.D
Acq: 16 Dec 2021 12:38

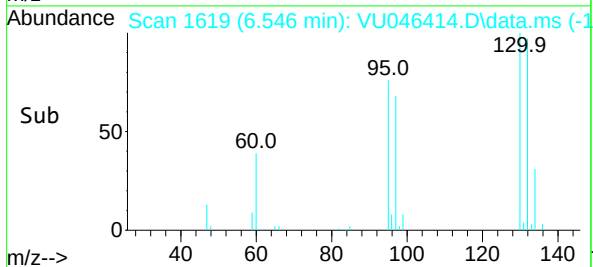
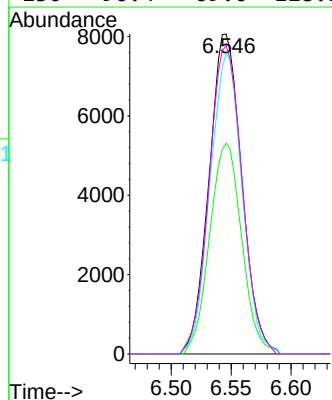
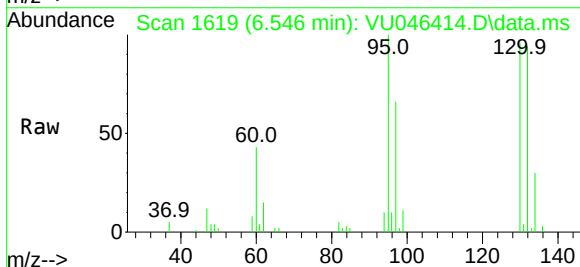
Instrument :
MSVOA_U
ClientSampleId :
EW5Q2

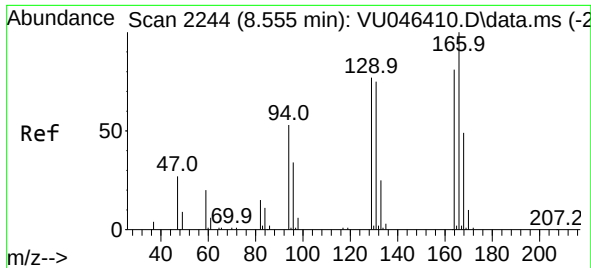
Tgt Ion: 78 Resp: 4310



#34
Trichloroethene
Concen: 12.989 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046414.D
Acq: 16 Dec 2021 12:38

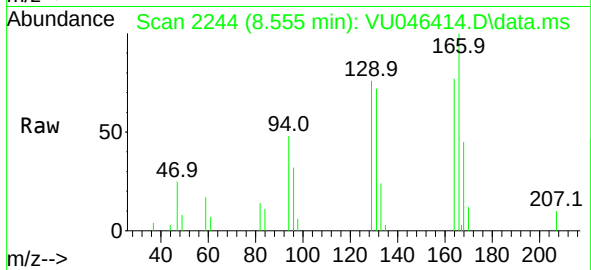
Tgt Ion: 95 Resp: 15283
Ion Ratio Lower Upper
95 100
97 65.8 44.1 81.9
132 93.9 66.8 124.0
130 96.4 69.0 128.1





#46
 Tetrachloroethene
 Concen: 7.439 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU046414.D
 Acq: 16 Dec 2021 12:38

Instrument :
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Tgt Ion:	164	Resp:	6432
Ion	Ratio	Lower	Upper
164	100		
129	97.8	71.1	132.1
131	93.0	67.8	126.0
166	129.2	90.6	168.2

