

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112222\
 Data File : VU052083.D
 Acq On : 23 Nov 2022 11:00
 Operator : JC/MD
 Sample : N5760-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COL21

Quant Time: Nov 24 08:58:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 05:20:45 2022
 Response via : Initial Calibration

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

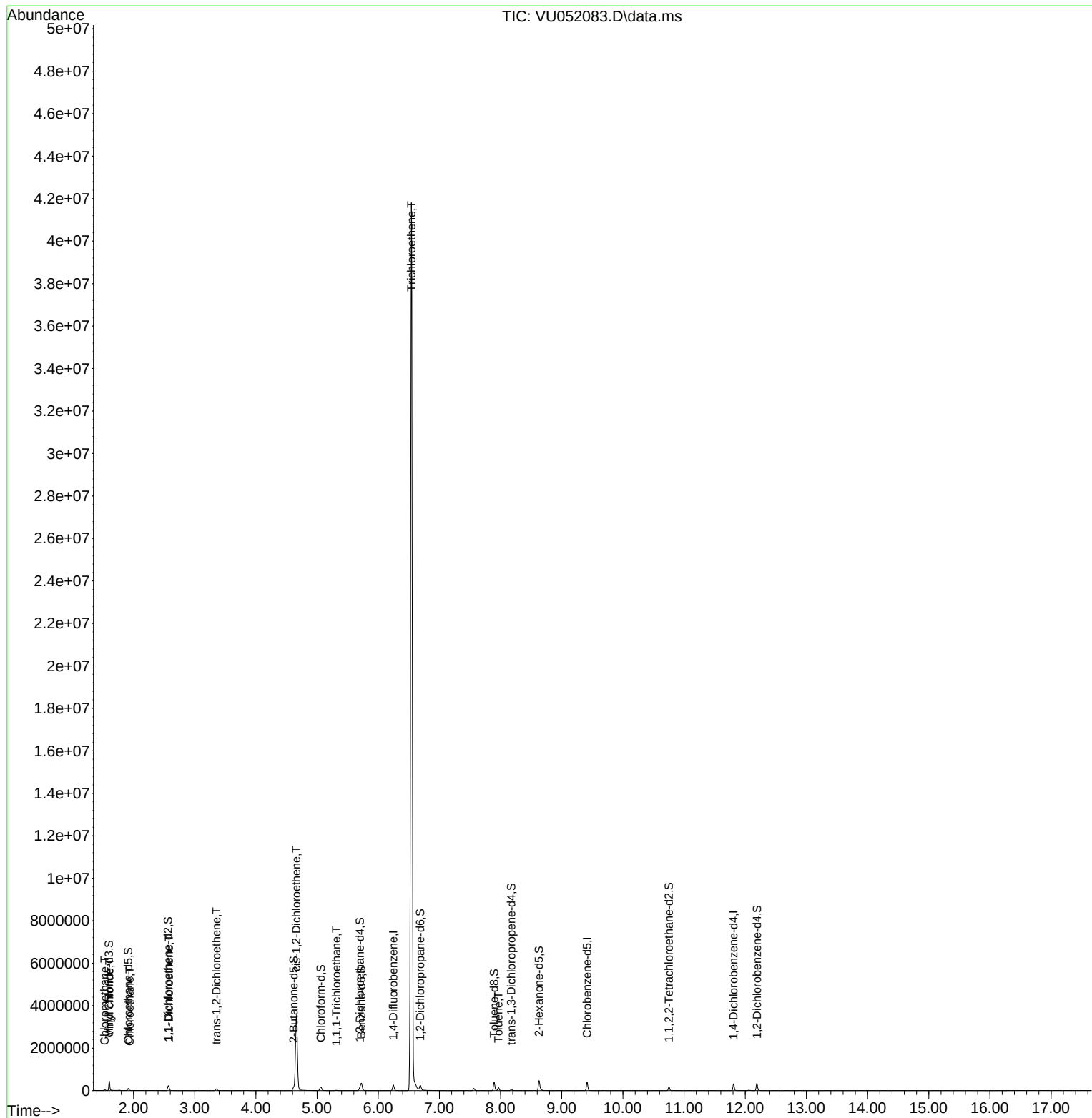
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	223310	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	227936	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	84606	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	94801	4.364	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.912	69	80284	4.759	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.200%
11) 1,1-Dichloroethene-d2	2.565	65	35177	4.518	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	4.616	46	206962	52.565	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.120%
24) Chloroform-d	5.060	84	163753	5.131	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	5.700	65	84256	5.227	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
32) Benzene-d6	5.726	84	343871	5.082	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	6.687	67	110765	5.289	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.800%
41) Toluene-d8	7.896	98	277149	4.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.176	79	35230	4.616	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.629	63	160564	49.646	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.300%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	92313	5.084	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	95061	5.869	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.400%
Target Compounds						Qvalue
3) Chloromethane	1.527	50	39968	1.581	ug/L	99
5) Vinyl chloride	1.604	62	250178	10.301	ug/L	98
8) Chloroethane	1.935	64	1659	0.110	ug/L	94
12) 1,1-Dichloroethene	2.578	96	30373	1.875	ug/L #	54
18) trans-1,2-Dichloroethene	3.353	96	35772	2.060	ug/L	94
22) cis-1,2-Dichloroethene	4.662	96	1913617	105.002	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	10370	0.410	ug/L	95
34) Trichloroethene	6.542	95	15155131	819.094	ug/L	95
42) Toluene	7.967	91	107657	1.411	ug/L	97

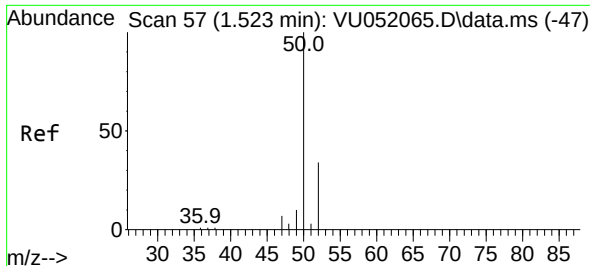
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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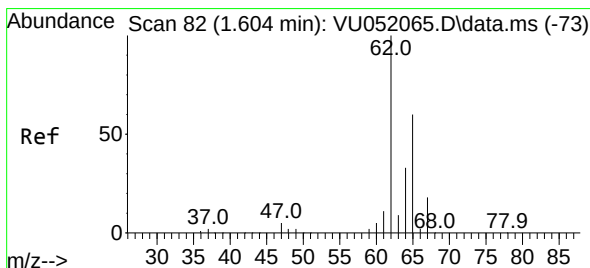
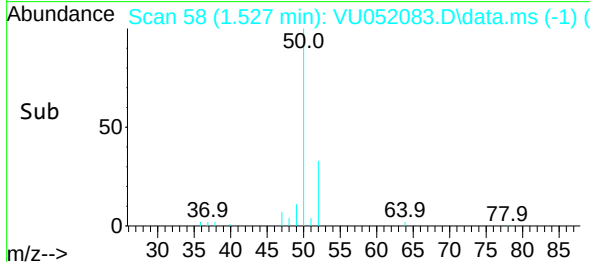
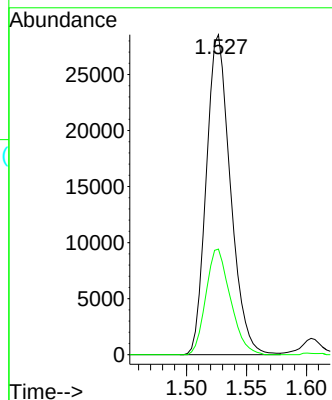
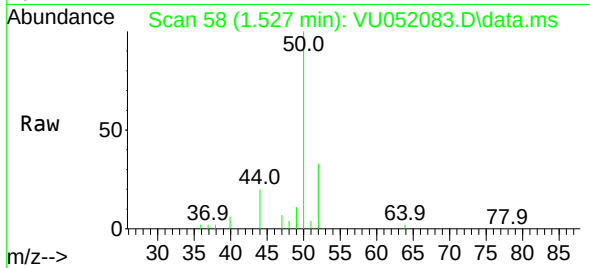




#3
Chloromethane
Concen: 1.581 ug/L
RT: 1.527 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU052083.D
Acq: 23 Nov 2022 11:00

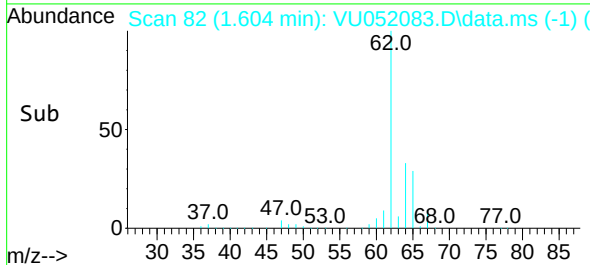
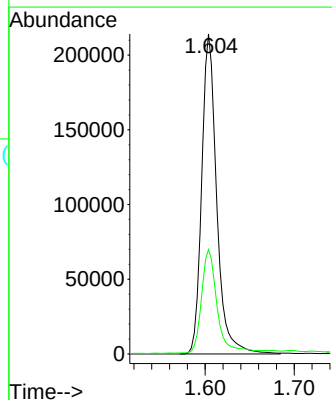
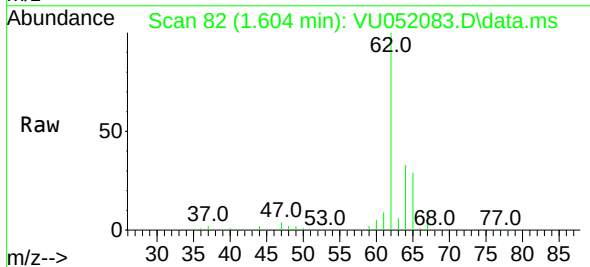
Instrument :
MSVOA_U
ClientSampleId :
COL21

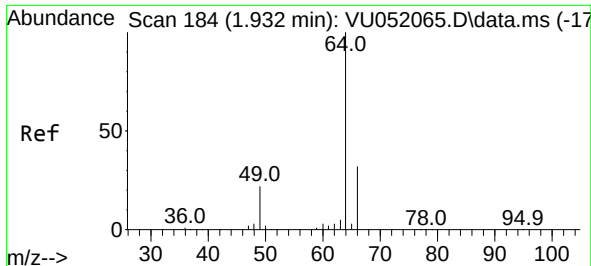
Tgt Ion: 50 Resp: 39968
Ion Ratio Lower Upper
50 100
52 33.0 23.4 43.4



#5
Vinyl chloride
Concen: 10.301 ug/L
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU052083.D
Acq: 23 Nov 2022 11:00

Tgt Ion: 62 Resp: 250178
Ion Ratio Lower Upper
62 100
64 32.7 23.5 43.7

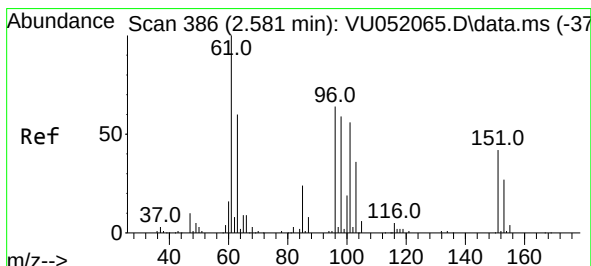
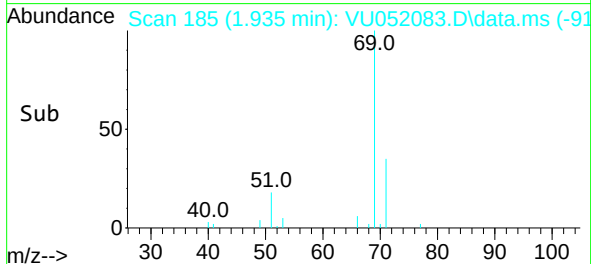
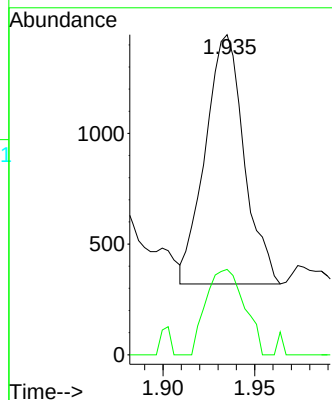
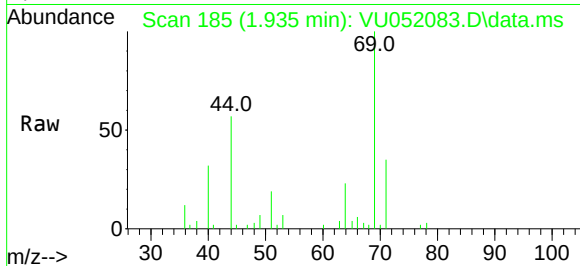




#8
Chloroethane
Concen: 0.110 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU052083.D
Acq: 23 Nov 2022 11:00

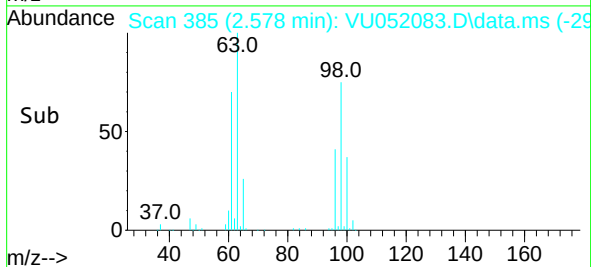
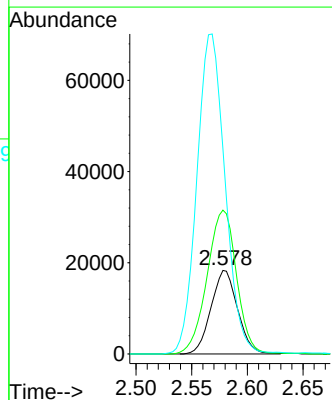
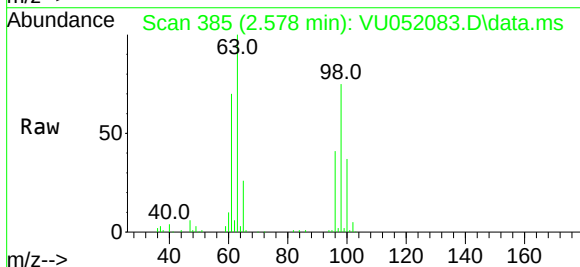
Instrument :
MSVOA_U
ClientSampleId :
COL21

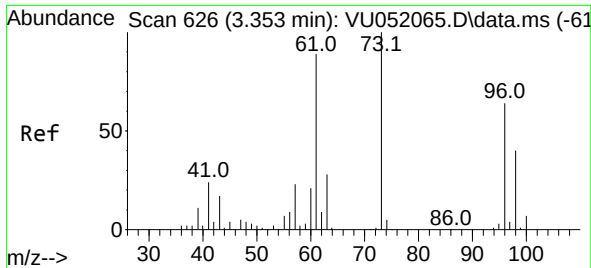
Tgt Ion: 64 Resp: 1659
Ion Ratio Lower Upper
64 100
66 26.7 21.1 39.1



#12
1,1-Dichloroethene
Concen: 1.875 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU052083.D
Acq: 23 Nov 2022 11:00

Tgt Ion: 96 Resp: 30373
Ion Ratio Lower Upper
96 100
61 172.1 114.8 213.2
63 245.7 93.7 174.1#

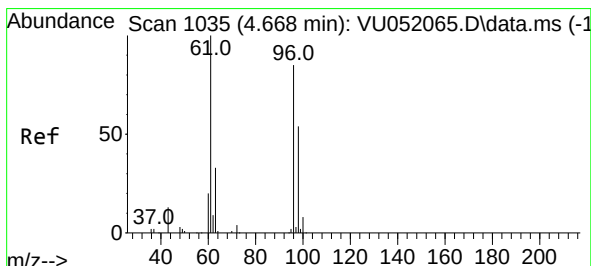
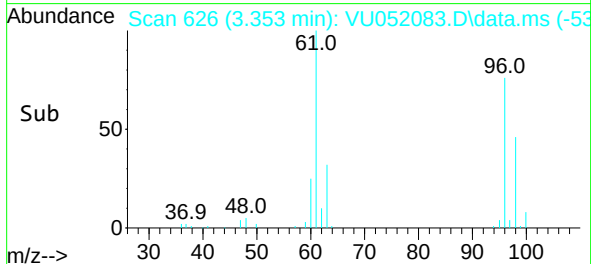
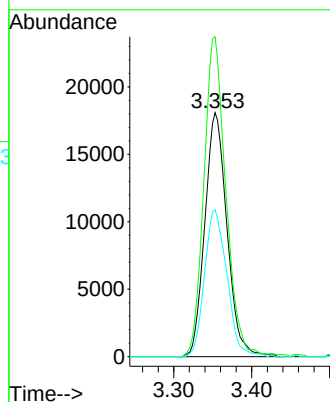
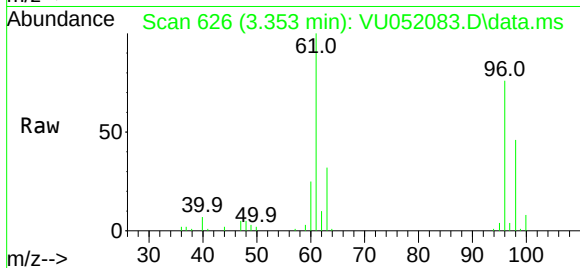




#18
trans-1,2-Dichloroethene
Concen: 2.060 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052083.D
Acq: 23 Nov 2022 11:00

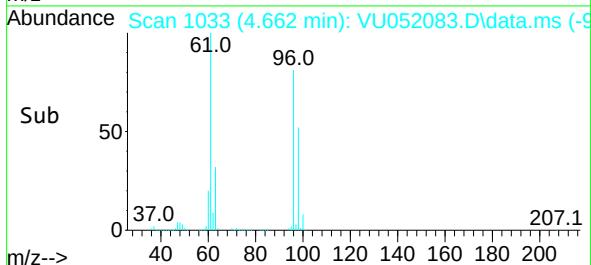
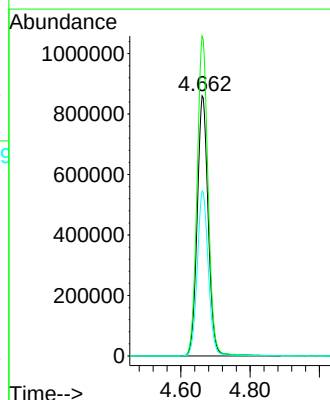
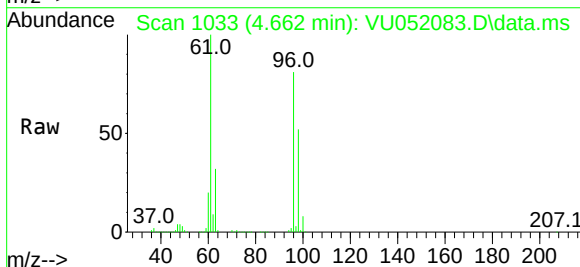
Instrument :
MSVOA_U
ClientSampleId :
COL21

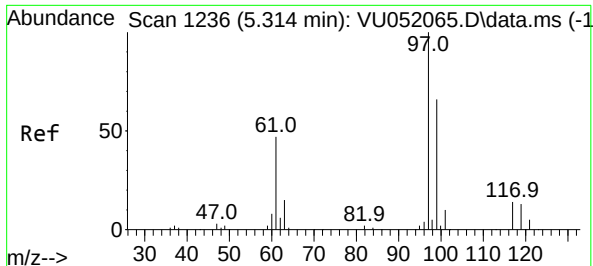
Tgt Ion: 96 Resp: 35772
Ion Ratio Lower Upper
96 100
61 131.1 97.9 181.7
98 60.3 43.8 81.3



#22
cis-1,2-Dichloroethene
Concen: 105.002 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU052083.D
Acq: 23 Nov 2022 11:00

Tgt Ion: 96 Resp: 1913617
Ion Ratio Lower Upper
96 100
61 123.0 85.1 158.1
98 63.5 42.8 79.6

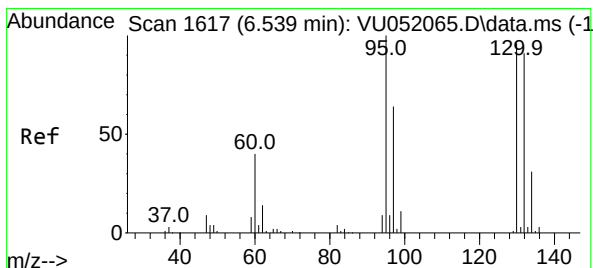
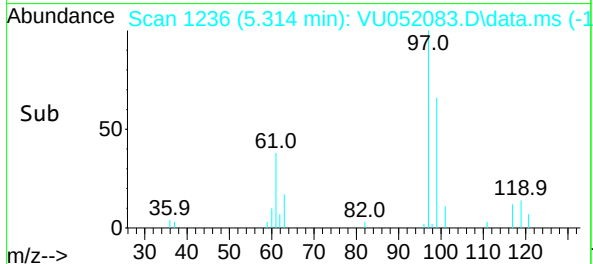
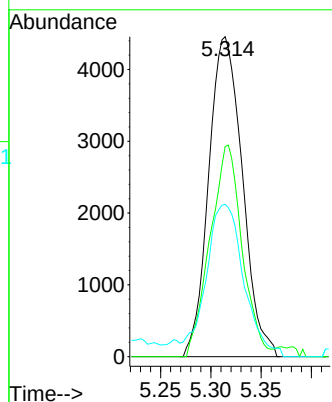
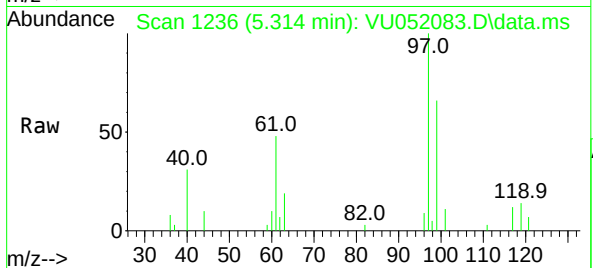




#29
1,1,1-Trichloroethane
Concen: 0.410 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052083.D
Acq: 23 Nov 2022 11:00

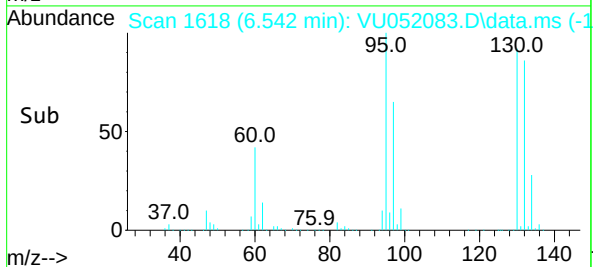
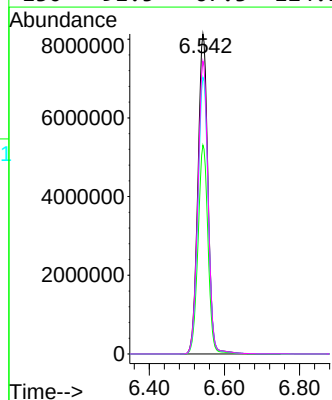
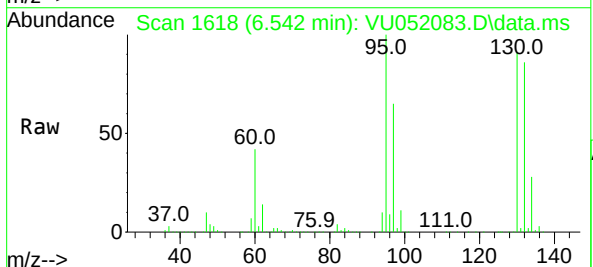
Instrument :
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ClientSampleId :
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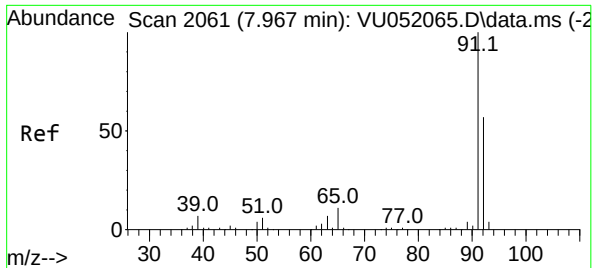
Tgt Ion: 97	Resp: 10370
Ion Ratio	Lower Upper
97 100	
99 62.9	51.0 76.6
61 53.3	36.9 55.3



#34
Trichloroethene
Concen: 819.094 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU052083.D
Acq: 23 Nov 2022 11:00

Tgt Ion: 95	Resp:15155131		
Ion	Ratio	Lower	Upper
95	100		
97	65.2	43.7	81.1
132	86.4	64.3	119.3
130	91.5	67.3	124.9





#42
 Toluene
 Concen: 1.411 ug/L
 RT: 7.967 min Scan# 2061
 Delta R.T. 0.000 min
 Lab File: VU052083.D
 Acq: 23 Nov 2022 11:00

Instrument :
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Tgt Ion: 91 Resp: 107657
 Ion Ratio Lower Upper
 91 100
 92 55.8 40.7 75.5

