

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046296.D
 Acq On : 11 Dec 2021 18:50
 Operator : SY/MD
 Sample : M4983-18DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P8DL

Quant Time: Dec 12 01:40:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

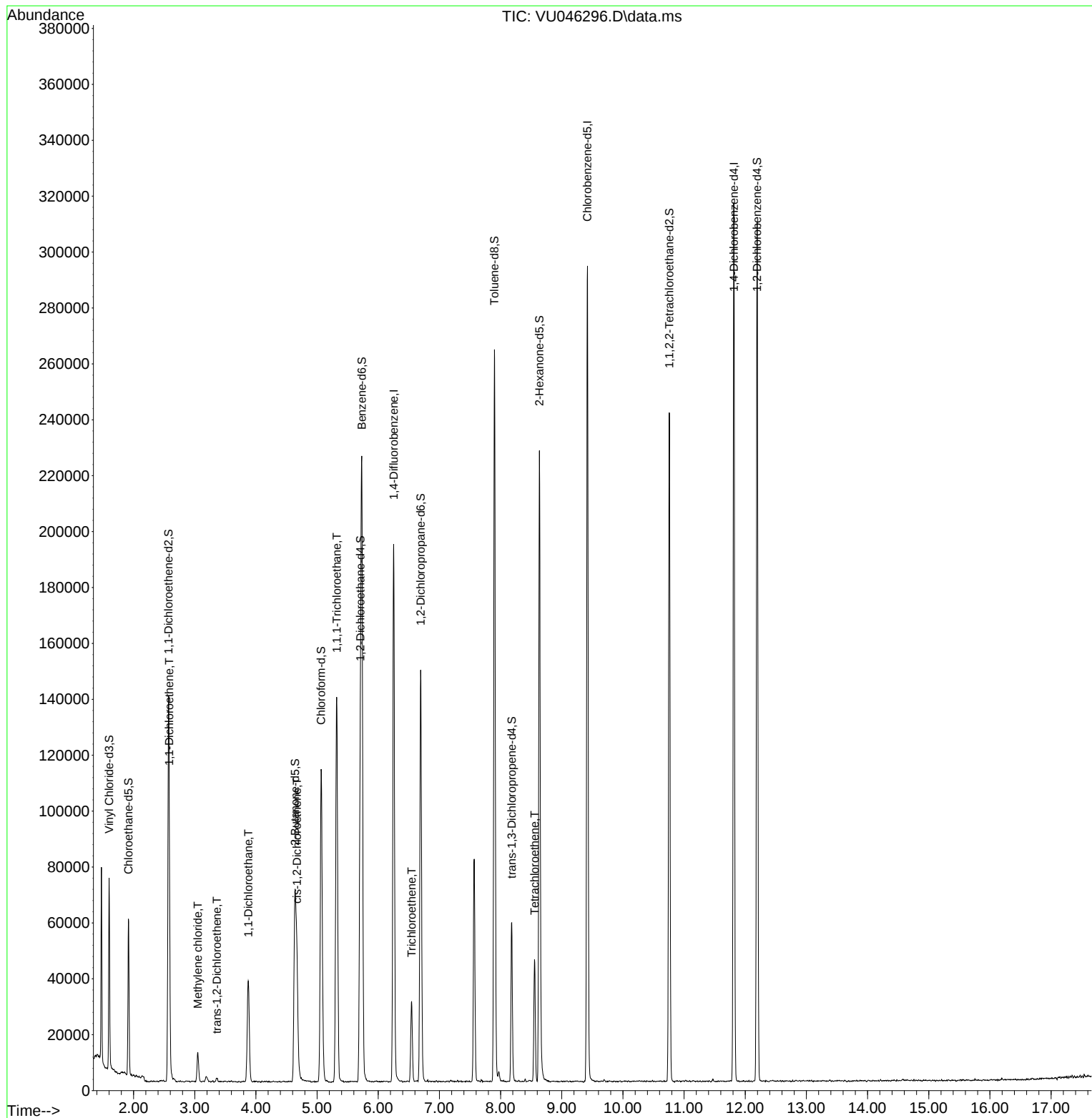
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	158180	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	163567	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	81209	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	47080	36.132	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.260%
7) Chloroethane-d5	1.916	69	41362	41.344	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.680%
11) 1,1-Dichloroethene-d2	2.571	63	75672	32.350	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.700%
21) 2-Butanone-d5	4.639	46	114717	110.749	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.750%
24) Chloroform-d	5.067	84	104399	47.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.960%
26) 1,2-Dichloroethane-d4	5.706	65	73337	50.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.440%
32) Benzene-d6	5.732	84	209446	44.676	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.360%
36) 1,2-Dichloropropane-d6	6.694	67	69639	47.930	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.860%
41) Toluene-d8	7.899	98	177109	41.492	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.980%
43) trans-1,3-Dichloroprop...	8.182	79	32768	46.720	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.440%
47) 2-Hexanone-d5	8.636	63	82122	119.210	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.210%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	117708	53.420	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.840%
66) 1,2-Dichlorobenzene-d4	12.195	152	79623	50.912	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.820%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.584	96	16566	15.146	ug/L	# 58
16) Methylene chloride	3.051	84	5253	4.037	ug/L	96
17) trans-1,2-Dichloroethene	3.362	96	646	0.558	ug/L	80
19) 1,1-Dichloroethane	3.877	63	42751	20.314	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	13417	10.683	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	102484	51.043	ug/L	100
34) Trichloroethene	6.546	95	9203	7.057	ug/L	95
46) Tetrachloroethene	8.555	164	10061	10.498	ug/L	91

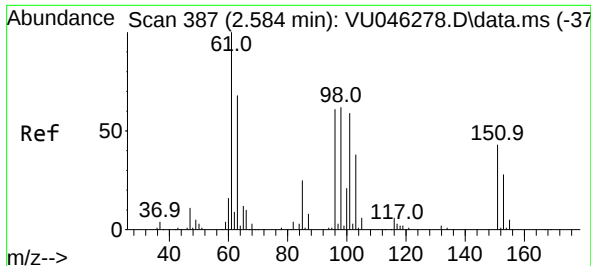
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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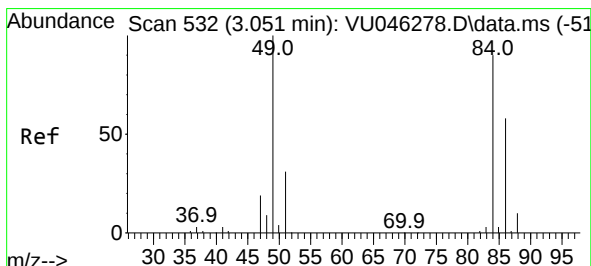
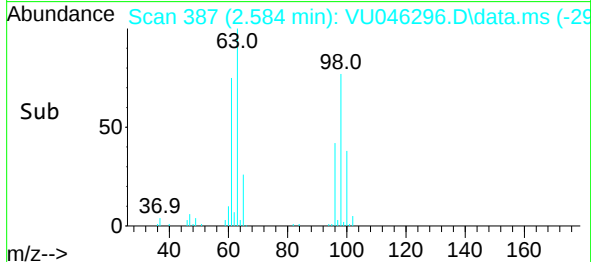
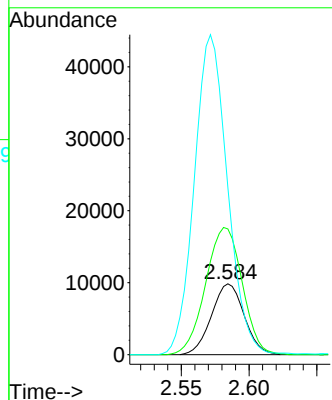
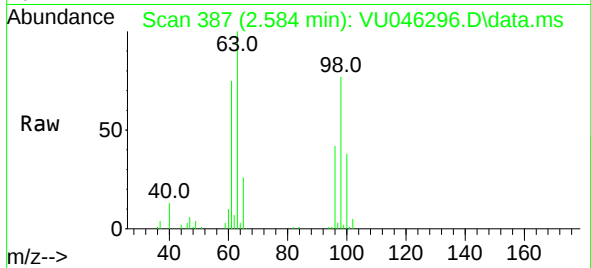




#12
1,1-Dichloroethene
Concen: 15.146 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

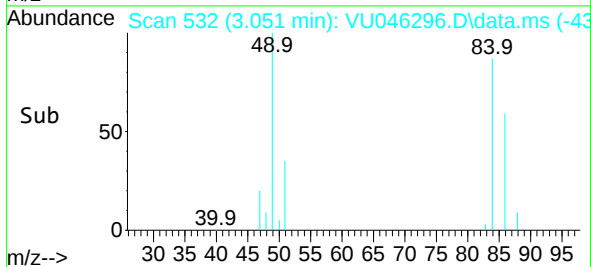
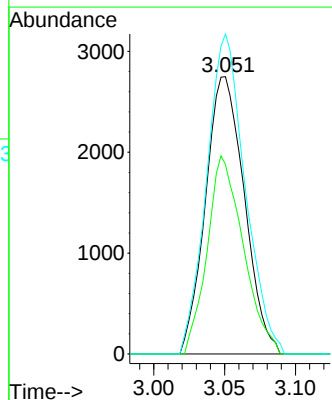
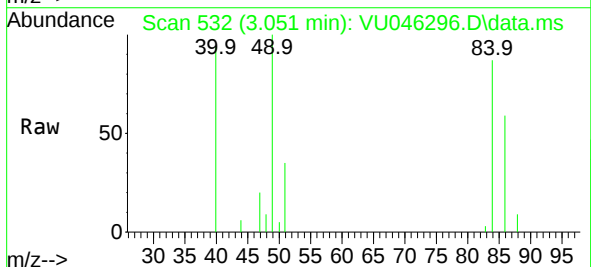
Instrument :
MSVOA_U
ClientSampleId :
EW5P8DL

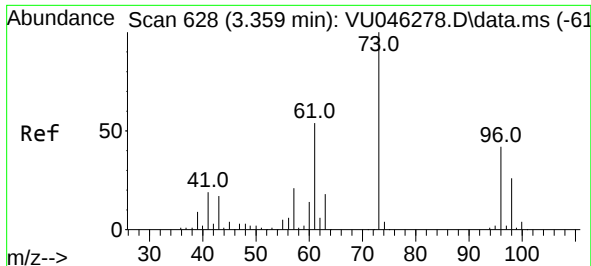
Tgt Ion: 96 Resp: 16566
Ion Ratio Lower Upper
96 100
61 177.6 118.6 220.2
63 235.9 93.0 172.8#



#16
Methylene chloride
Concen: 4.037 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

Tgt Ion: 84 Resp: 5253
Ion Ratio Lower Upper
84 100
86 68.3 44.7 83.1
49 115.4 78.4 145.6

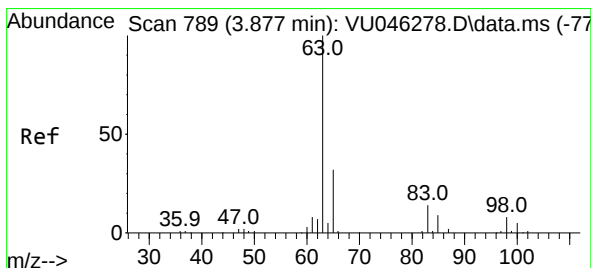
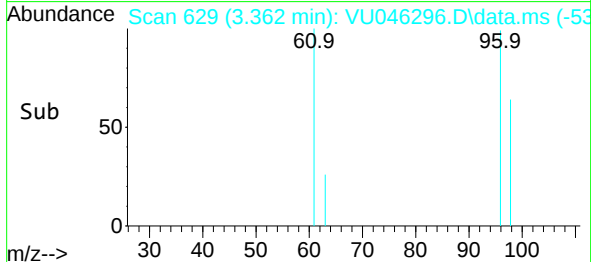
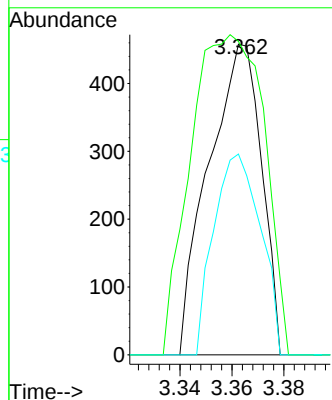
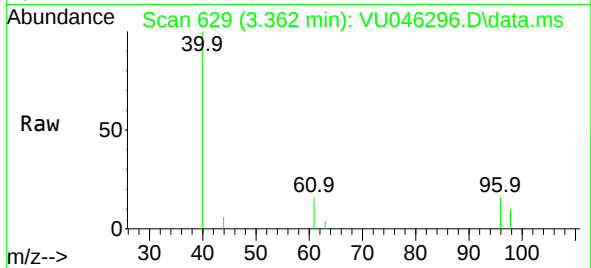




#17
trans-1,2-Dichloroethene
Concen: 0.558 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

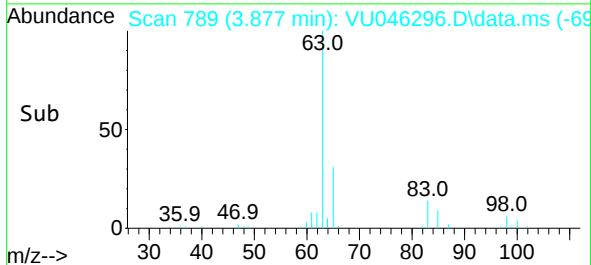
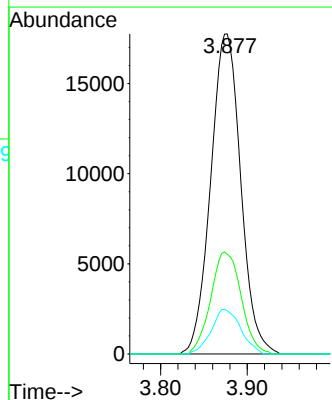
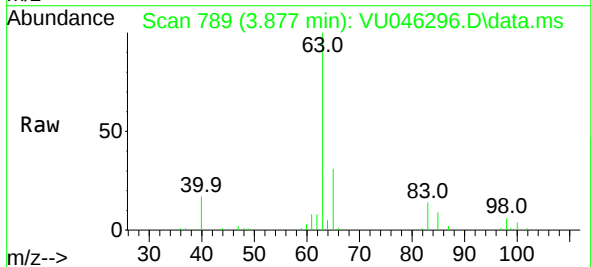
Instrument :
MSVOA_U
ClientSampleId :
EW5P8DL

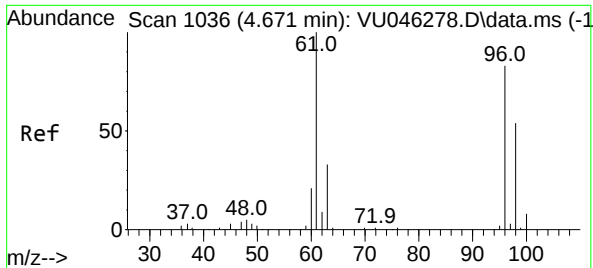
Tgt Ion: 96 Resp: 646
Ion Ratio Lower Upper
96 100
61 100.9 94.6 175.6
98 64.6 44.0 81.8



#19
1,1-Dichloroethane
Concen: 20.314 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

Tgt Ion: 63 Resp: 42751
Ion Ratio Lower Upper
63 100
65 31.1 22.8 42.4
83 13.6 9.6 17.8

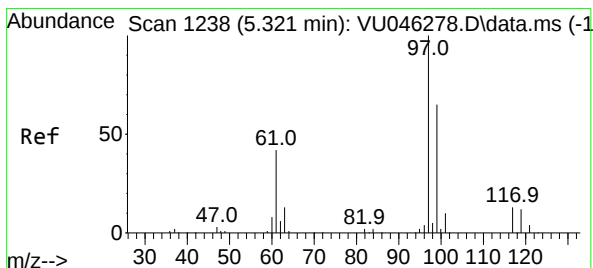
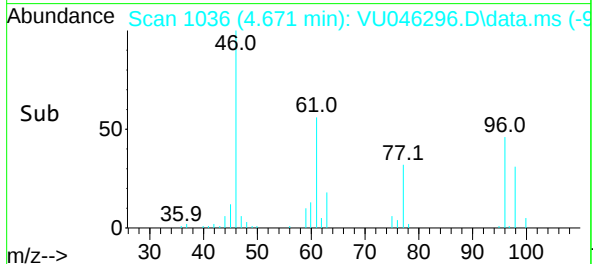
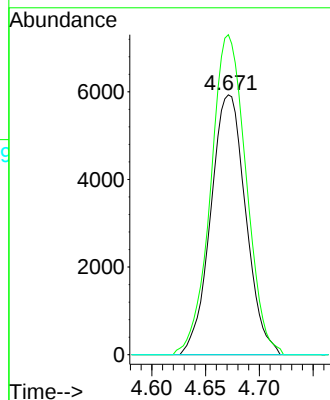
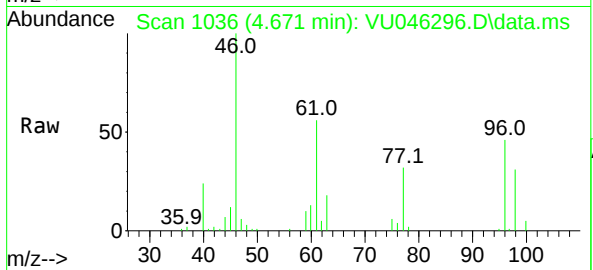




#20
 cis-1,2-Dichloroethene
 Concen: 10.683 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU046296.D
 Acq: 11 Dec 2021 18:50

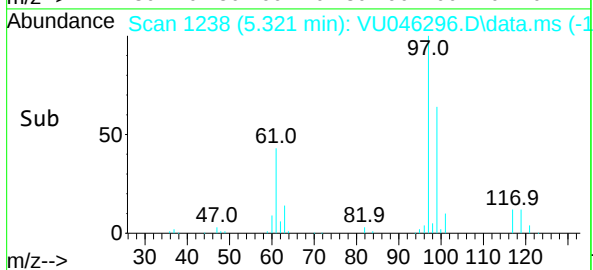
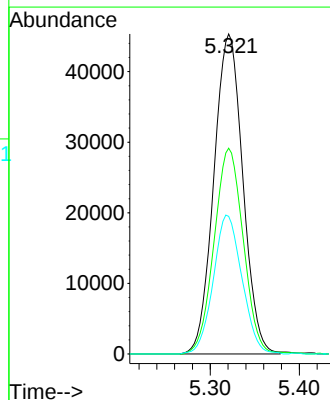
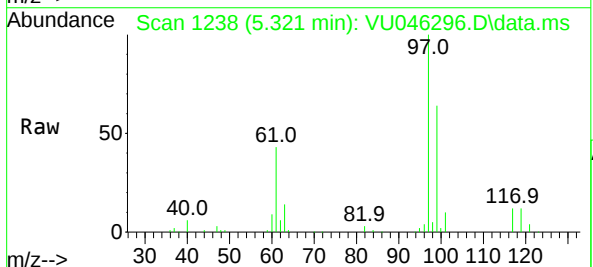
Instrument :
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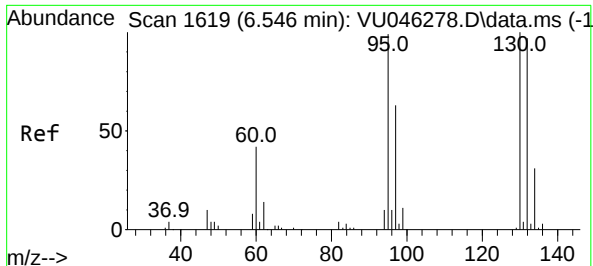
Tgt Ion: 96 Resp: 13417
 Ion Ratio Lower Upper
 96 100
 61 123.2 86.8 161.2
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 51.043 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. -0.000 min
 Lab File: VU046296.D
 Acq: 11 Dec 2021 18:50

Tgt Ion: 97 Resp: 102484
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.8 77.6
 61 42.8 34.4 51.6

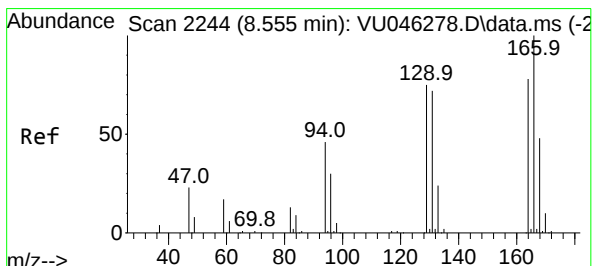
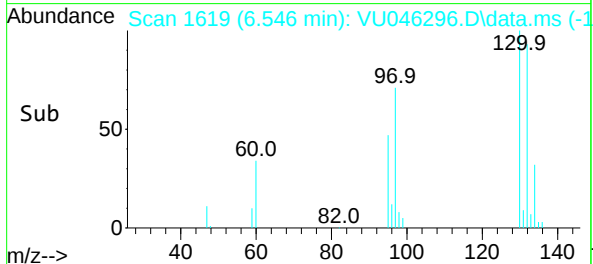
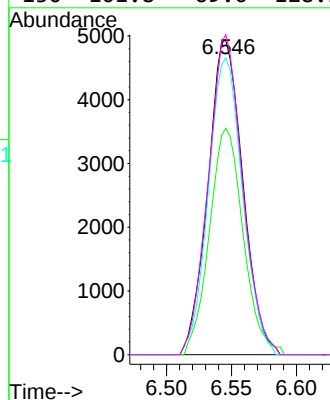
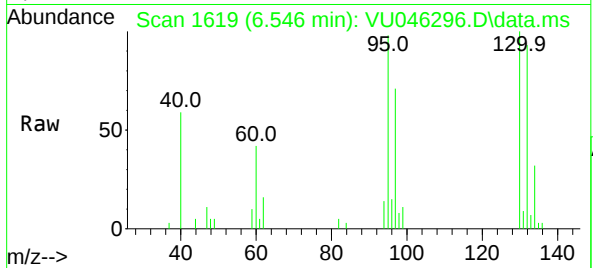




#34
Trichloroethene
Concen: 7.057 ug/L
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

Instrument :
MSVOA_U
ClientSampleId :
EW5P8DL

Tgt Ion: 95 Resp: 9203
Ion Ratio Lower Upper
95 100
97 72.0 44.1 81.9
132 94.4 66.8 124.0
130 101.8 69.0 128.1



#46
Tetrachloroethene
Concen: 10.498 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

Tgt Ion: 164 Resp: 10061
Ion Ratio Lower Upper
164 100
129 90.8 71.1 132.1
131 88.5 67.8 126.0
166 119.7 90.6 168.2

