

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046191.D
 Acq On : 08 Dec 2021 21:28
 Operator : SY/MD
 Sample : M4983-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N0

Quant Time: Dec 09 04:36:06 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)

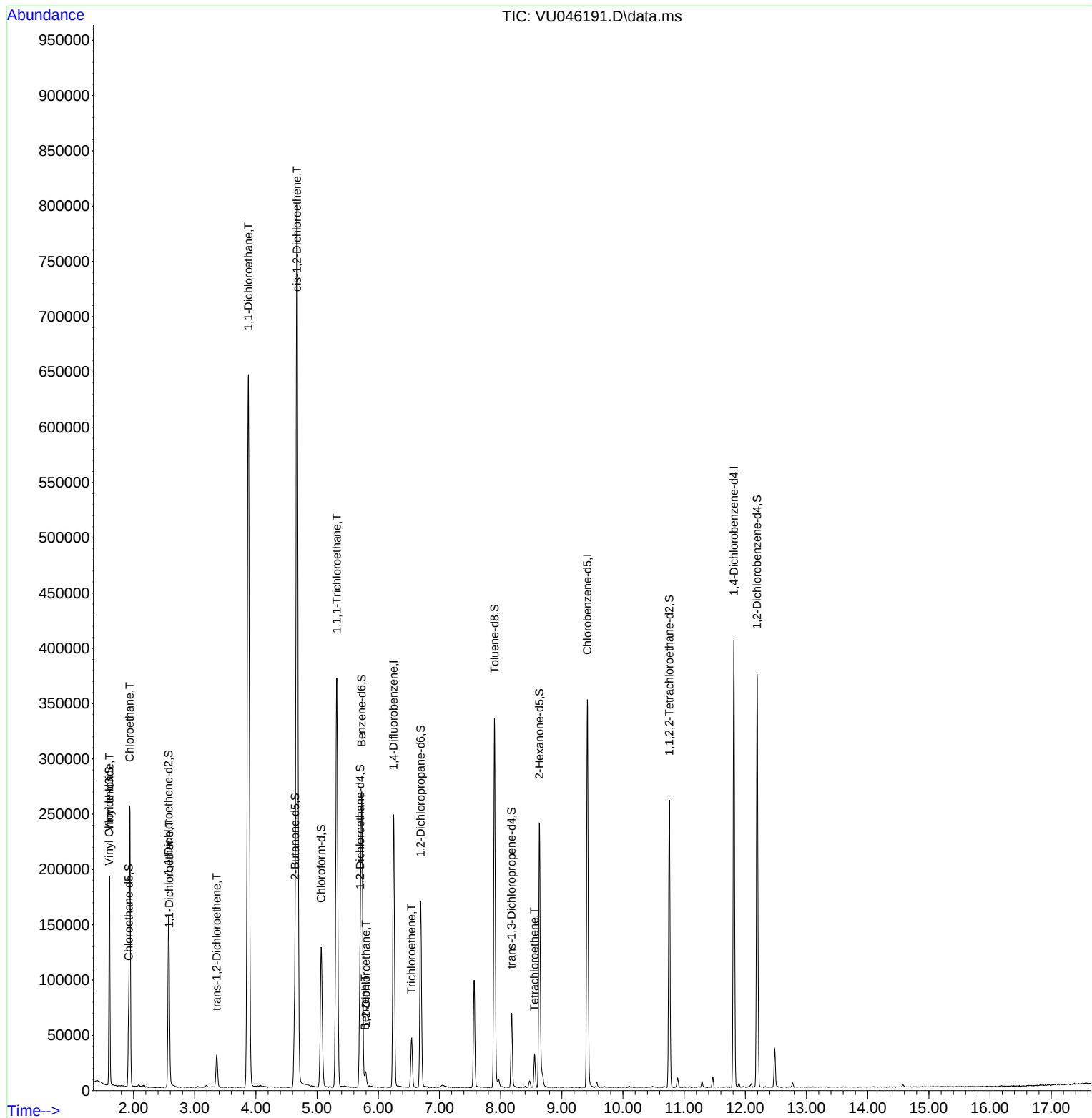
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	208343	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	205729	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	109784	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	60021	34.973	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.940%
7) Chloroethane-d5	1.919	69	46824	35.535	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.060%
11) 1,1-Dichloroethene-d2	2.572	63	89699	29.114	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.220%#
21) 2-Butanone-d5	4.639	46	133747	98.032	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.030%
24) Chloroform-d	5.067	84	119216	41.597	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.200%
26) 1,2-Dichloroethane-d4	5.703	65	82540	42.913	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.820%
32) Benzene-d6	5.729	84	254045	43.084	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.160%
36) 1,2-Dichloropropane-d6	6.694	67	80494	44.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.100%
41) Toluene-d8	7.900	98	229392	42.727	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.460%
43) trans-1,3-Dichloroprop...	8.179	79	38767	43.945	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.900%
47) 2-Hexanone-d5	8.633	63	89299	103.062	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.060%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	129190	46.616	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.240%
66) 1,2-Dichlorobenzene-d4	12.192	152	101063	47.801	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	80843	39.546	ug/L	99
8) Chloroethane	1.938	64	164887	139.306	ug/L	99
12) 1,1-Dichloroethene	2.585	96	8120	5.637	ug/L #	1
17) trans-1,2-Dichloroethene	3.360	96	12624	8.281	ug/L	93
19) 1,1-Dichloroethane	3.877	63	748159	269.910	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	424070	256.363	ug/L	97
27) 1,2-Dichloroethane	5.797	62	9275	4.058	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	279578	110.709	ug/L	98
33) Benzene	5.781	78	5176	0.831	ug/L	100
34) Trichloroethene	6.543	95	14621	8.913	ug/L	95
46) Tetrachloroethene	8.552	164	6622	5.493	ug/L	95

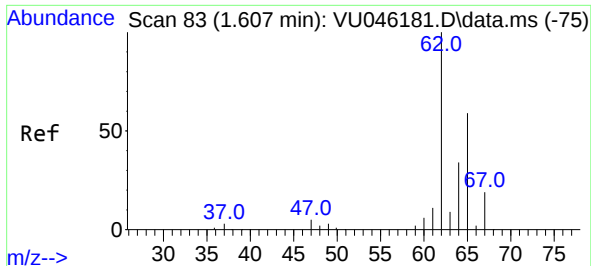
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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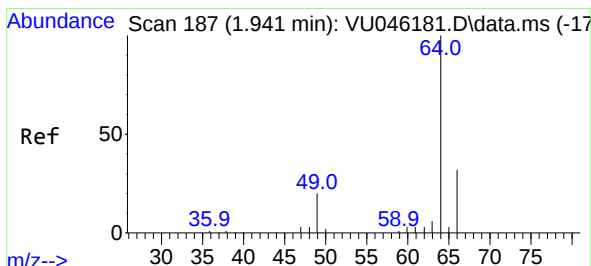
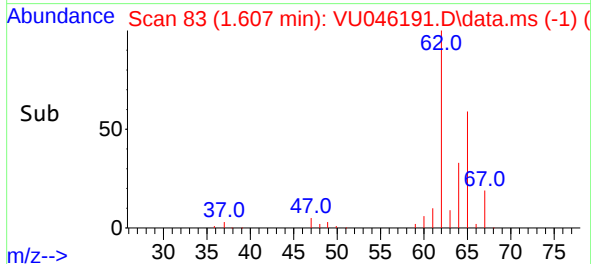
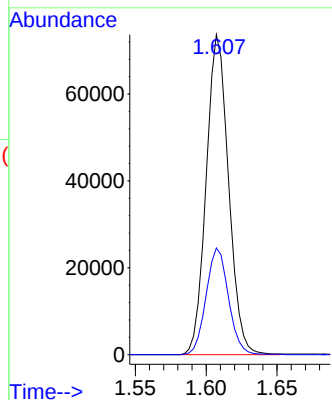
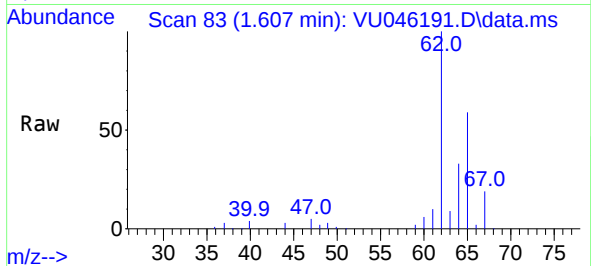




#5
 Vinyl chloride
 Concen: 39.546 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU046191.D
 Acq: 08 Dec 2021 21:28

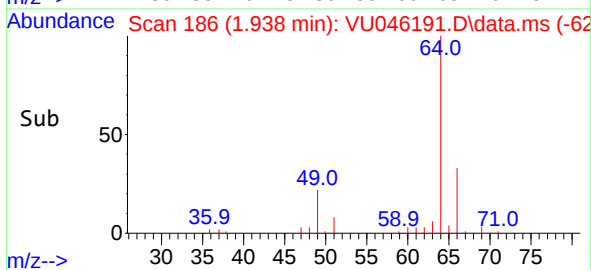
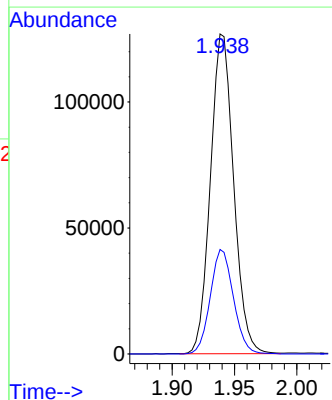
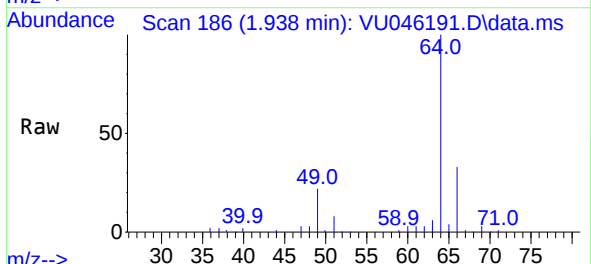
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N0

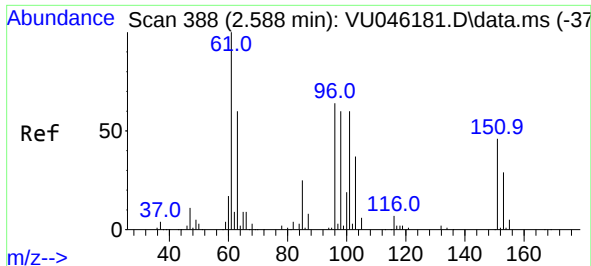
Tgt Ion: 62 Resp: 80843
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.9 42.5



#8
 Chloroethane
 Concen: 139.306 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU046191.D
 Acq: 08 Dec 2021 21:28

Tgt Ion: 64 Resp: 164887
 Ion Ratio Lower Upper
 64 100
 66 32.6 22.5 41.9





#12

1,1-Dichloroethene

Concen: 5.637 ug/L

RT: 2.585 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU046191.D

Acq: 08 Dec 2021 21:28

Instrument :

MSVOA_U

ClientSampleId :

EW5N0

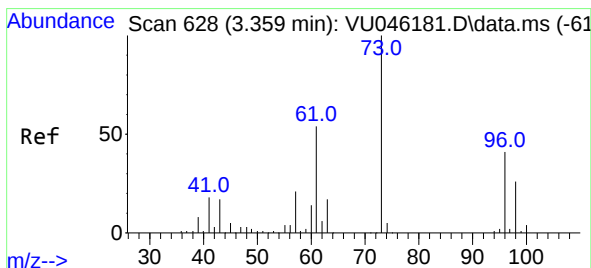
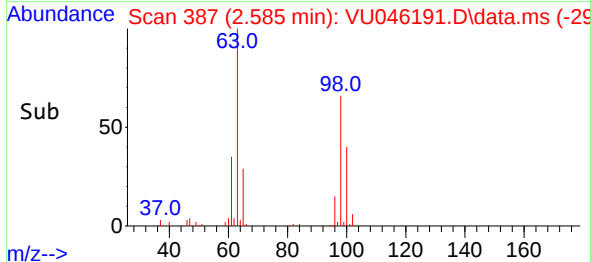
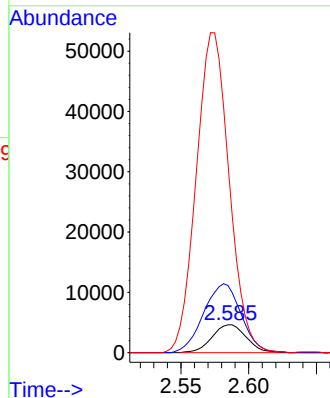
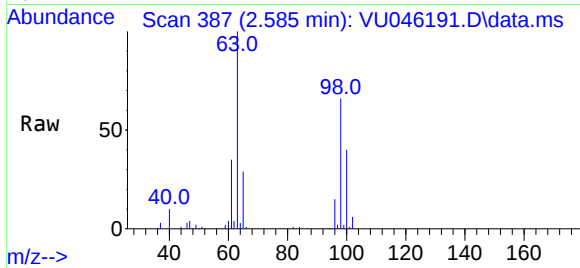
Tgt Ion: 96 Resp: 8120

Ion Ratio Lower Upper

96 100

61 240.8 118.6 220.2#

63 684.1 93.0 172.8#



#17

trans-1,2-Dichloroethene

Concen: 8.281 ug/L

RT: 3.360 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU046191.D

Acq: 08 Dec 2021 21:28

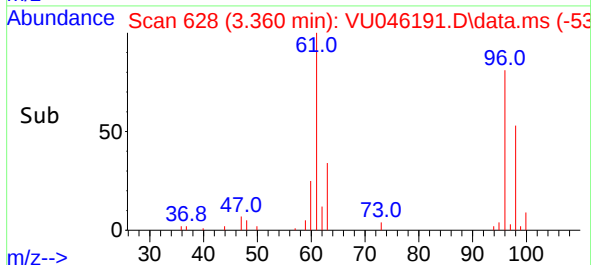
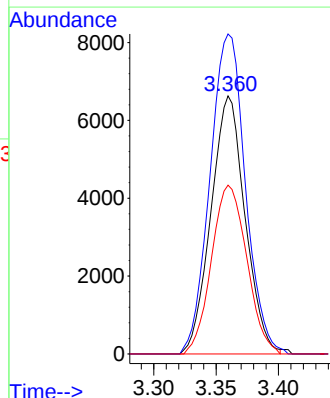
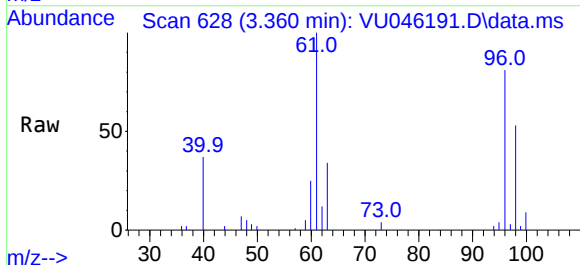
Tgt Ion: 96 Resp: 12624

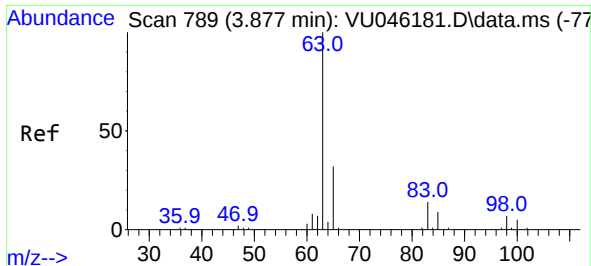
Ion Ratio Lower Upper

96 100

61 124.0 94.6 175.6

98 65.4 44.0 81.8

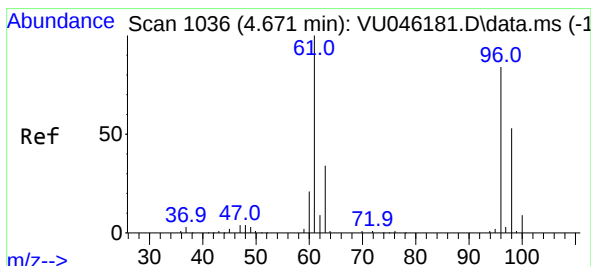
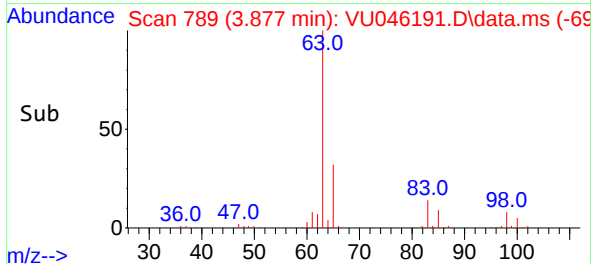
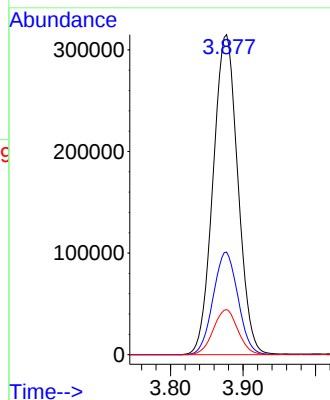
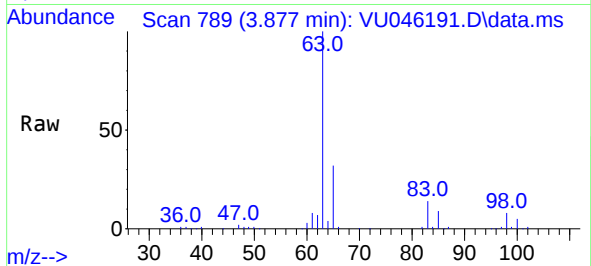




#19
1,1-Dichloroethane
Concen: 269.910 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU046191.D
Acq: 08 Dec 2021 21:28

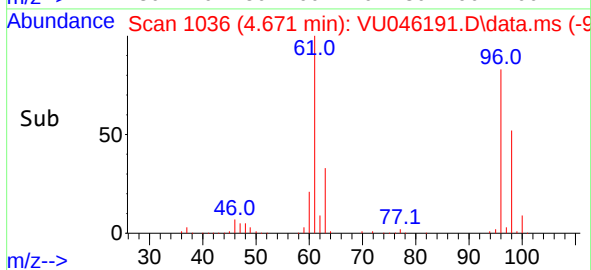
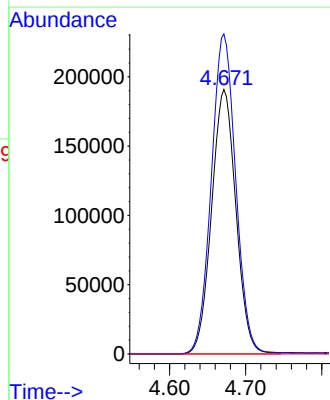
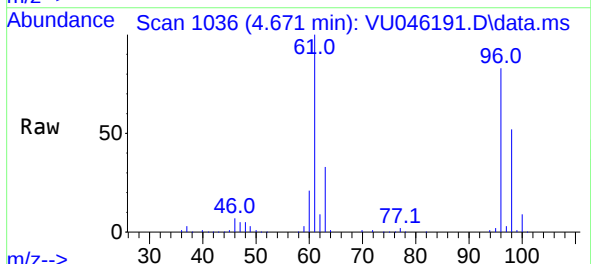
Instrument :
MSVOA_U
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EW5N0

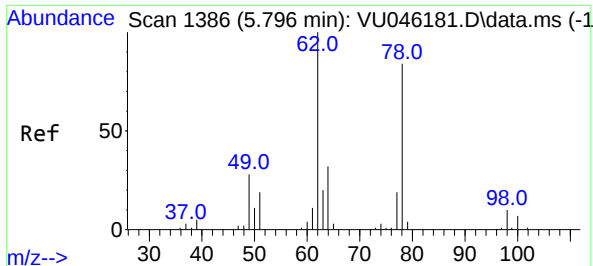
Tgt Ion: 63 Resp: 748159
Ion Ratio Lower Upper
63 100
65 32.0 22.8 42.4
83 14.1 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 256.363 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU046191.D
Acq: 08 Dec 2021 21:28

Tgt Ion: 96 Resp: 424070
Ion Ratio Lower Upper
96 100
61 121.0 86.8 161.2
68 0.0 0.0 0.0

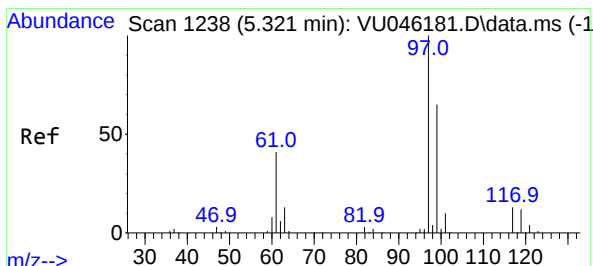
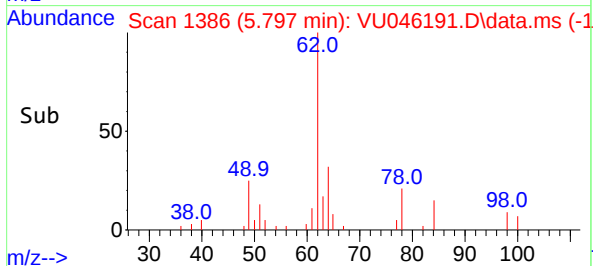
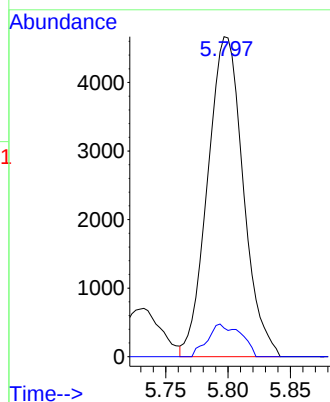
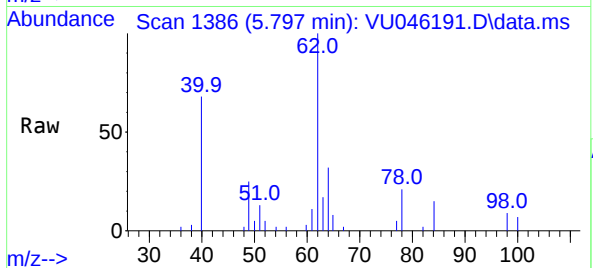




#27
1,2-Dichloroethane
Concen: 4.058 ug/L
RT: 5.797 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046191.D
Acq: 08 Dec 2021 21:28

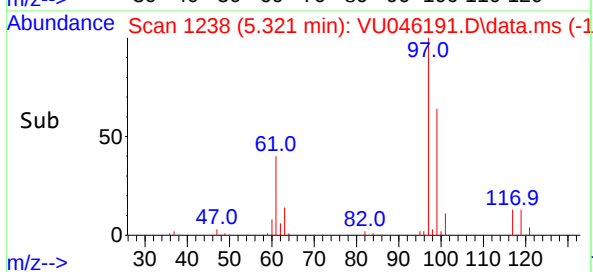
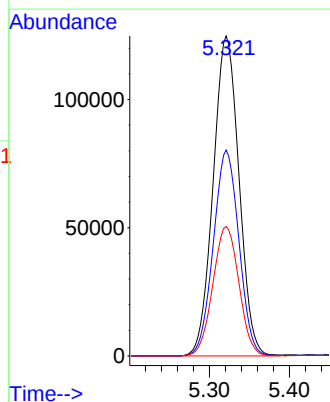
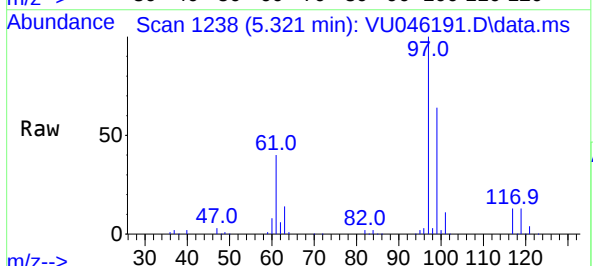
Instrument :
MSVOA_U
ClientSampleId :
EW5N0

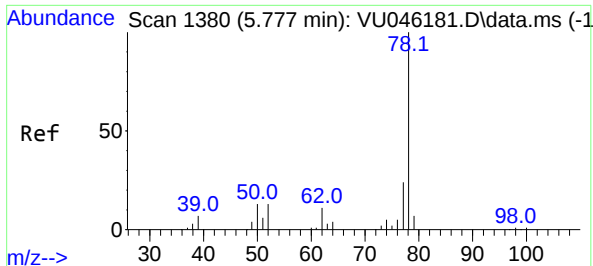
Tgt Ion: 62 Resp: 9275
Ion Ratio Lower Upper
62 100
98 9.0 7.9 11.9



#30
1,1,1-Trichloroethane
Concen: 110.709 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU046191.D
Acq: 08 Dec 2021 21:28

Tgt Ion: 97 Resp: 279578
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.6
61 40.9 34.4 51.6

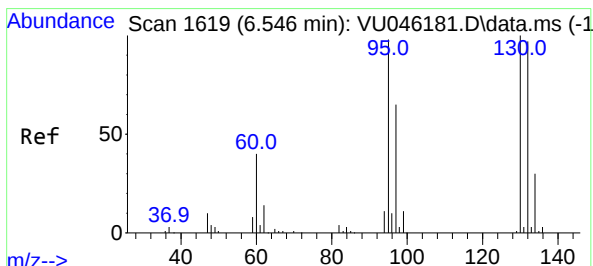
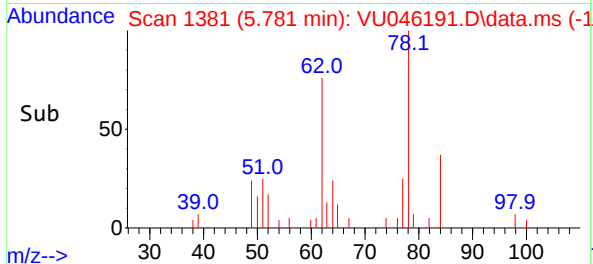
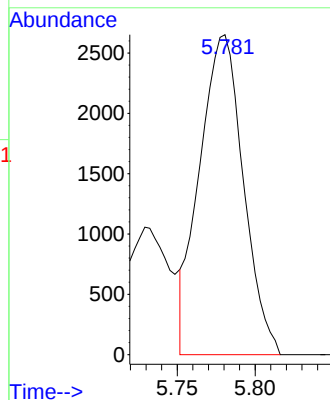
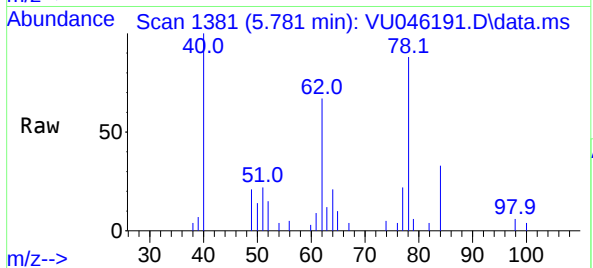




#33
Benzene
Concen: 0.831 ug/L
RT: 5.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046191.D
Acq: 08 Dec 2021 21:28

Instrument :
MSVOA_U
ClientSampleId :
EW5N0

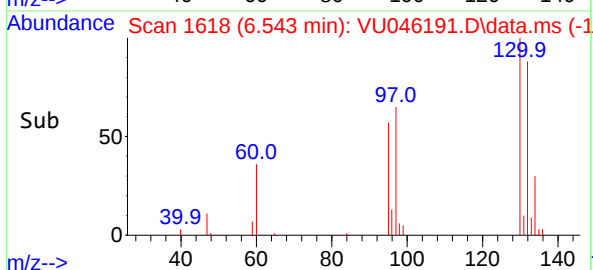
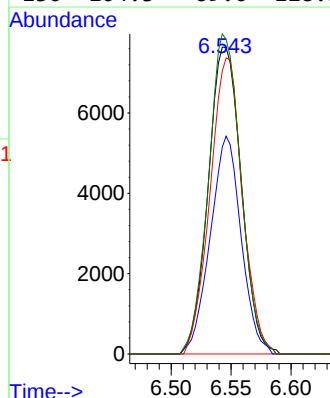
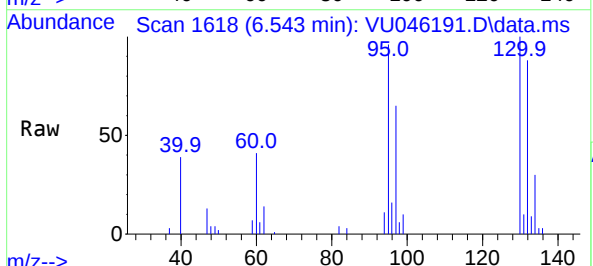
Tgt Ion: 78 Resp: 5176

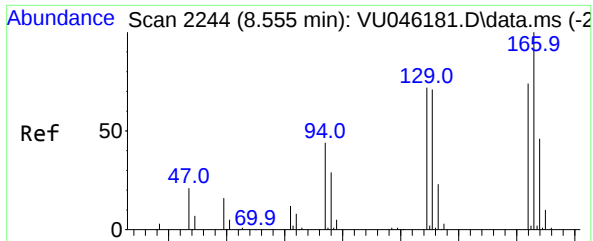


#34
Trichloroethene
Concen: 8.913 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046191.D
Acq: 08 Dec 2021 21:28

Tgt Ion: 95 Resp: 14621

Ion	Ratio	Lower	Upper
95	100		
97	67.4	44.1	81.9
132	92.2	66.8	124.0
130	104.3	69.0	128.1





#46
Tetrachloroethene
Concen: 5.493 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046191.D
Acq: 08 Dec 2021 21:28

Instrument :
MSVOA_U
ClientSampleId :
EW5N0

Tgt Ion:164 Resp: 6622

Ion	Ratio	Lower	Upper
164	100		
129	105.6	71.1	132.1
131	94.7	67.8	126.0
166	119.3	90.6	168.2

