

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082622\
 Data File : VU050460.D
 Acq On : 26 Aug 2022 16:25
 Operator : SY/MD
 Sample : N4322-23
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EY178

Quant Time: Aug 27 02:48:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 27 02:44:18 2022
 Response via : Initial Calibration

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

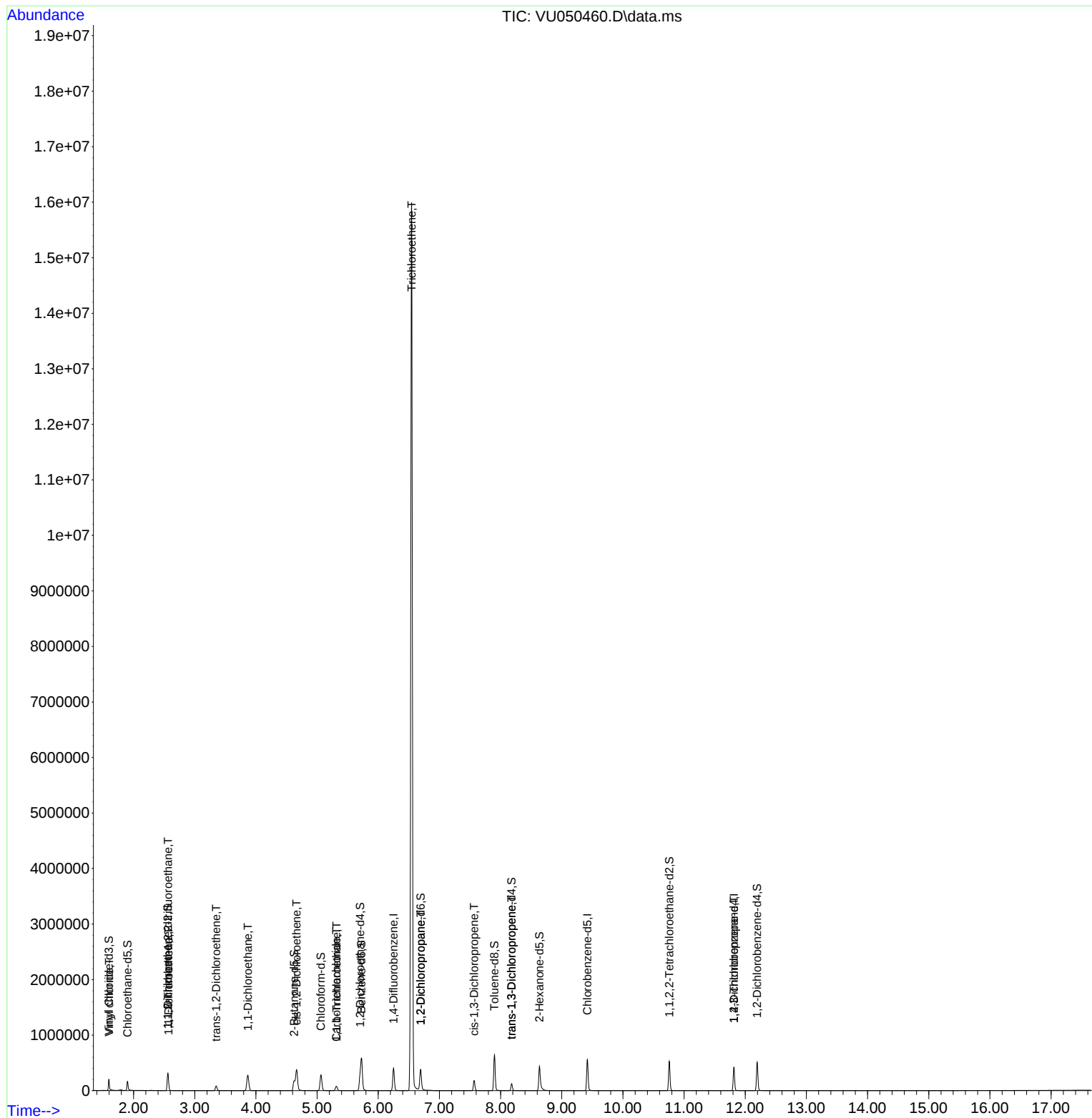
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	325419	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	323778	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	114870	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	159068	41.339	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.680%		
7) Chloroethane-d5	1.899	69	130875	45.966	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.940%		
11) 1,1-Dichloroethene-d2	2.559	63	187094	34.406	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.820%		
21) 2-Butanone-d5	4.623	46	247875	98.419	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.420%		
24) Chloroform-d	5.063	84	266508	43.147	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.300%		
26) 1,2-Dichloroethane-d4	5.703	65	173117	45.096	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.200%		
32) Benzene-d6	5.726	84	545563	45.603	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.200%		
36) 1,2-Dichloropropane-d6	6.693	67	182692	46.096	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.200%		
41) Toluene-d8	7.899	98	442644	42.284	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.560%		
43) trans-1,3-Dichloroprop...	8.179	79	70848	42.855	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.700%		
47) 2-Hexanone-d5	8.635	63	145237	98.748	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.750%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	269770	44.131	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.260%		
66) 1,2-Dichlorobenzene-d4	12.195	152	136674	49.808	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.620%		
Target Compounds						Qvalue
5) Vinyl chloride	1.600	62	1463	0.505	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1633	0.723	ug/L #	21
12) 1,1-Dichloroethene	2.571	96	7938	3.976	ug/L #	1
17) trans-1,2-Dichloroethene	3.349	96	37630	17.932	ug/L	93
19) 1,1-Dichloroethane	3.867	63	322465	70.928	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	193221	76.890	ug/L	100
30) 1,1,1-Trichloroethane	5.317	97	56990	15.385	ug/L	98
31) Carbon tetrachloride	5.314	117	8041	2.645	ug/L #	64
34) Trichloroethene	6.546	95	5600588	2413.587	ug/L	97
37) 1,2-Dichloropropane	6.693	63	18750	6.585	ug/L #	90
39) cis-1,3-Dichloropropene	7.568	75	4340	1.161	ug/L #	59
44) trans-1,3-Dichloropropene	8.179	75	3072	0.881	ug/L	93
60) 1,2,3-Trichloropropane	11.815	75	13632	4.605	ug/L #	68

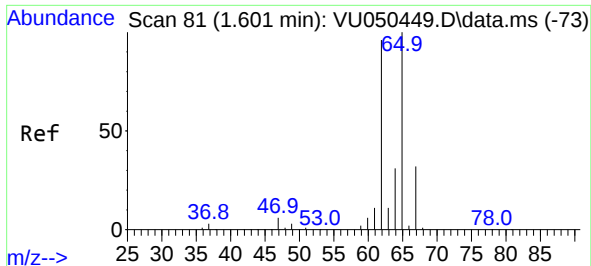
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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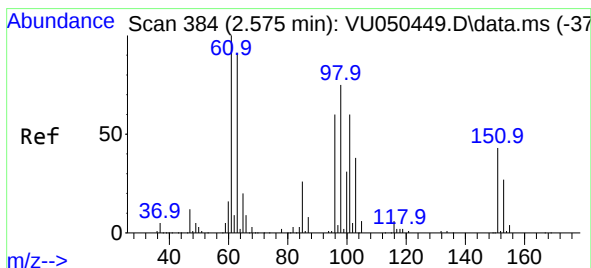
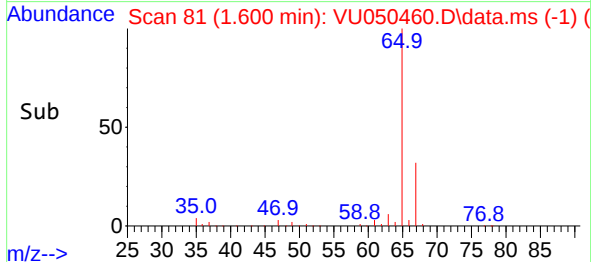
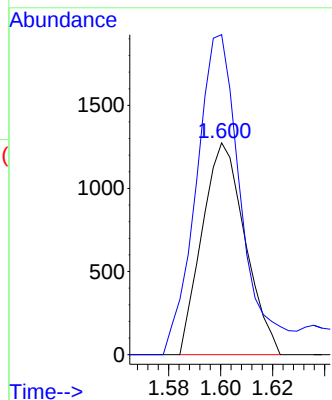
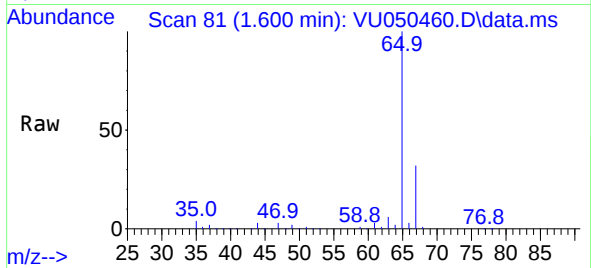




#5
 Vinyl chloride
 Concen: 0.505 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU050460.D
 Acq: 26 Aug 2022 16:25

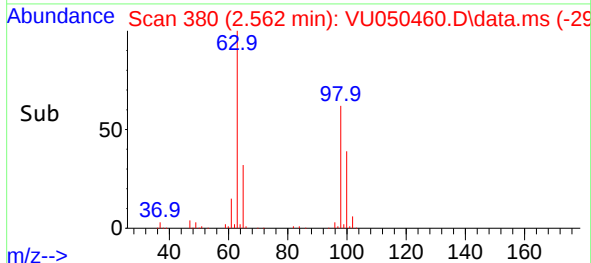
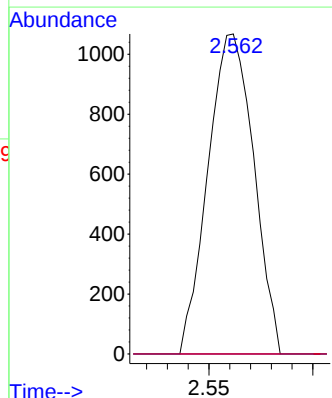
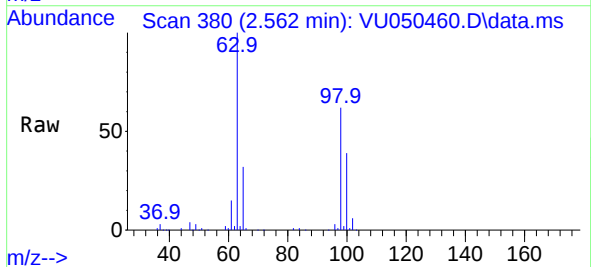
Instrument :
 MSVOA_U
 ClientSampleId :
 EY178

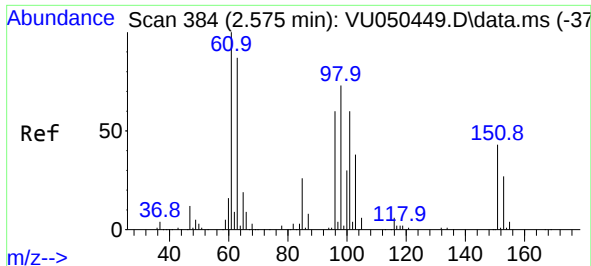
Tgt Ion: 62 Resp: 1463
 Ion Ratio Lower Upper
 62 100
 64 151.1 23.1 42.9#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.723 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.013 min
 Lab File: VU050460.D
 Acq: 26 Aug 2022 16:25

Tgt Ion: 101 Resp: 1633
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.3 52.9#
 151 0.0 57.3 85.9#





#12

1,1-Dichloroethene

Concen: 3.976 ug/L

RT: 2.571 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU050460.D

Acq: 26 Aug 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

EY178

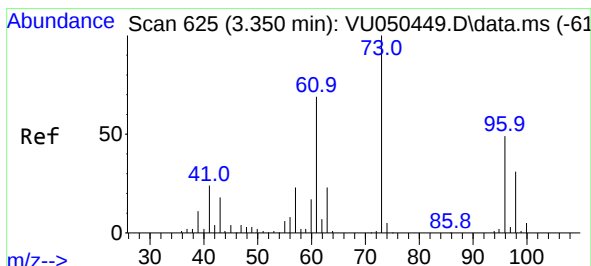
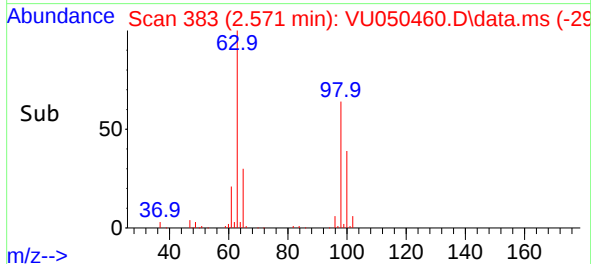
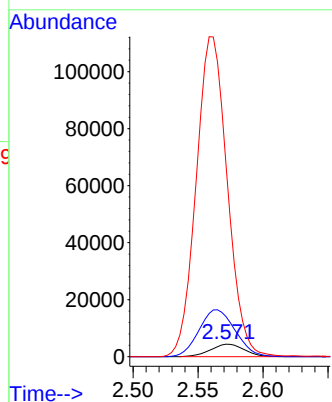
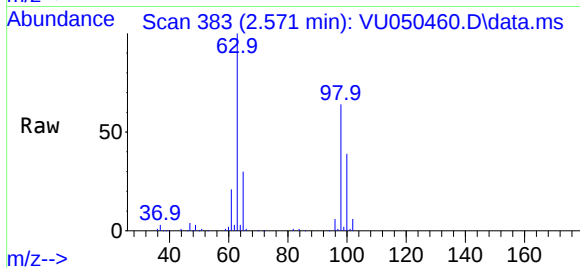
Tgt Ion: 96 Resp: 7938

Ion Ratio Lower Upper

96 100

61 323.9 116.8 216.8#

63 1564.6 97.4 180.8#



#17

trans-1,2-Dichloroethene

Concen: 17.932 ug/L

RT: 3.349 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU050460.D

Acq: 26 Aug 2022 16:25

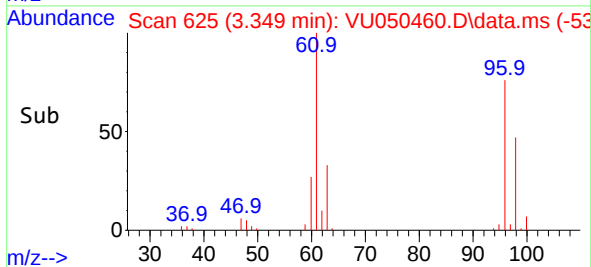
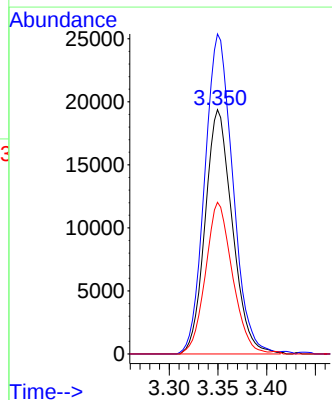
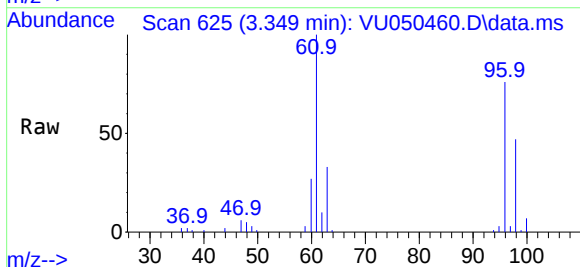
Tgt Ion: 96 Resp: 37630

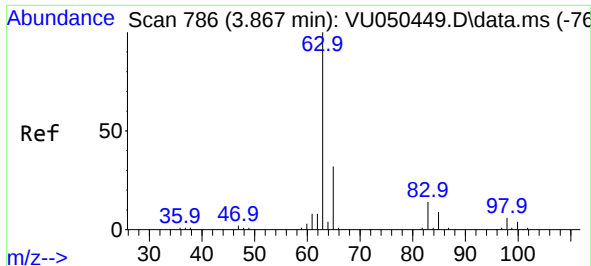
Ion Ratio Lower Upper

96 100

61 131.0 98.5 182.9

98 62.1 45.7 84.9

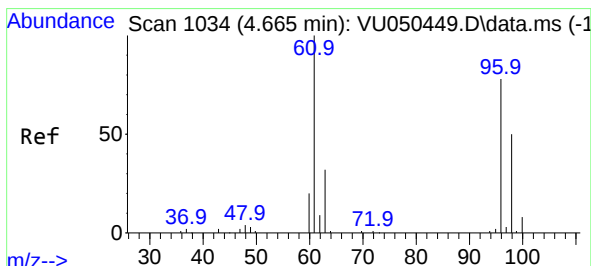
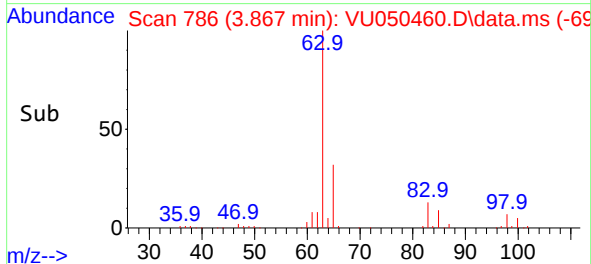
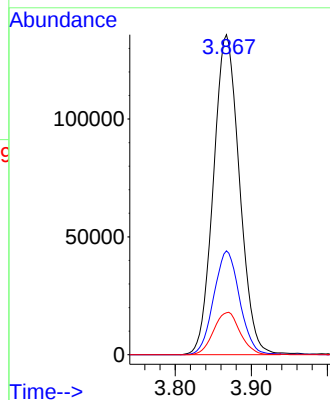
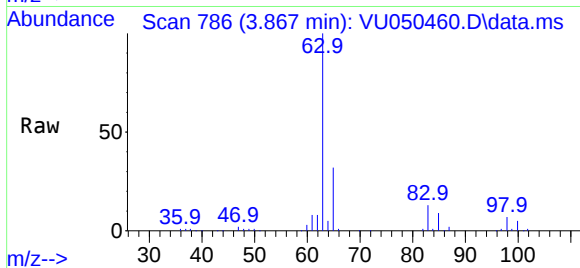




#19
1,1-Dichloroethane
Concen: 70.928 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU050460.D
Acq: 26 Aug 2022 16:25

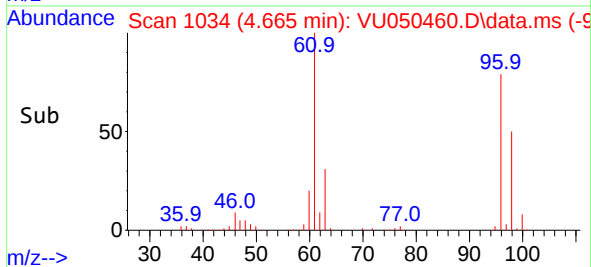
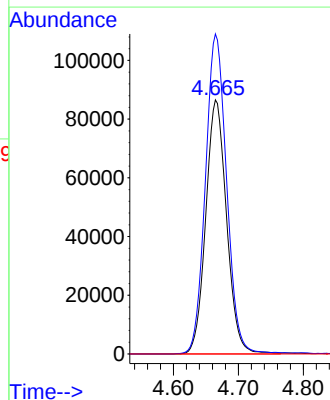
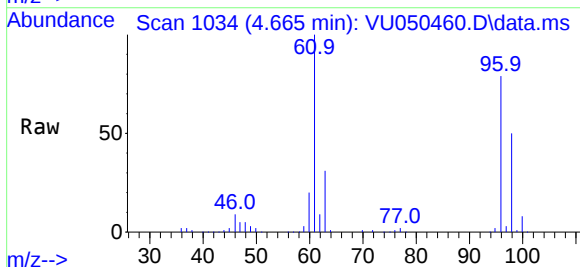
Instrument :
MSVOA_U
ClientSampleId :
EY178

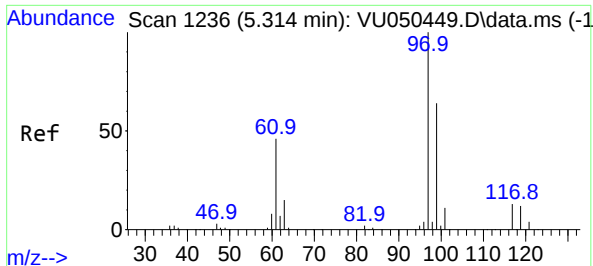
Tgt Ion: 63 Resp: 322465
Ion Ratio Lower Upper
63 100
65 32.4 23.3 43.3
83 13.1 9.0 16.8



#20
cis-1,2-Dichloroethene
Concen: 76.890 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU050460.D
Acq: 26 Aug 2022 16:25

Tgt Ion: 96 Resp: 193221
Ion Ratio Lower Upper
96 100
61 126.0 88.1 163.5
68 0.0 0.0 0.0

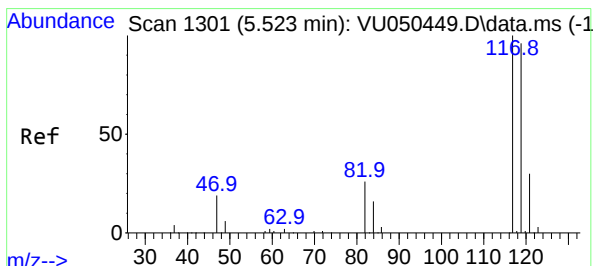
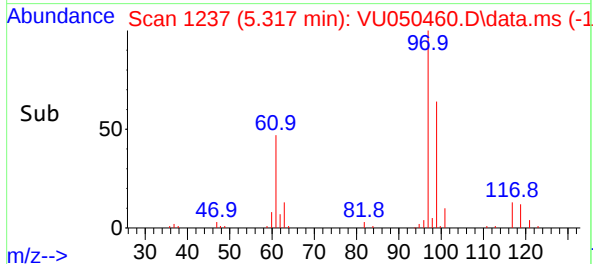
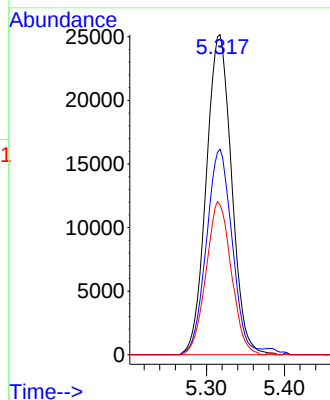
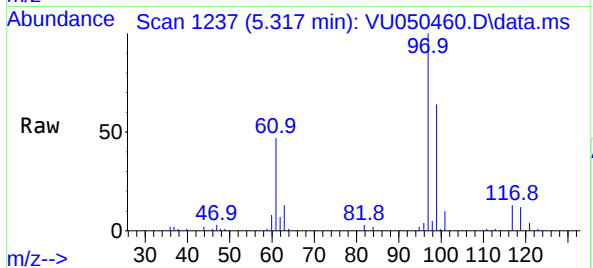




#30
1,1,1-Trichloroethane
Concen: 15.385 ug/L
RT: 5.317 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU050460.D
Acq: 26 Aug 2022 16:25

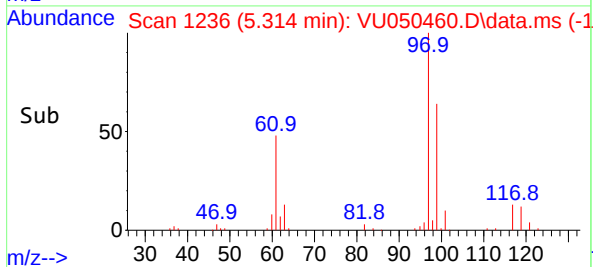
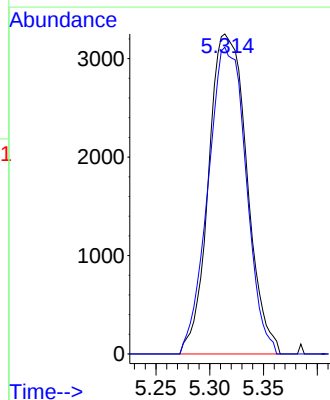
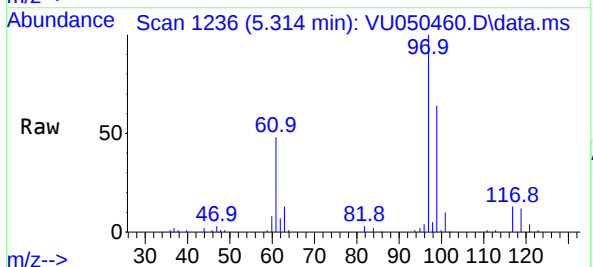
Instrument :
MSVOA_U
ClientSampleId :
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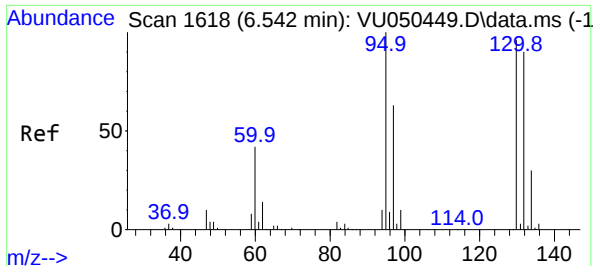
Tgt Ion: 97 Resp: 56990
Ion Ratio Lower Upper
97 100
99 65.4 51.2 76.8
61 47.5 36.6 55.0



#31
Carbon tetrachloride
Concen: 2.645 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.209 min
Lab File: VU050460.D
Acq: 26 Aug 2022 16:25

Tgt Ion: 117 Resp: 8041
Ion Ratio Lower Upper
117 100
119 60.6 76.9 115.3#



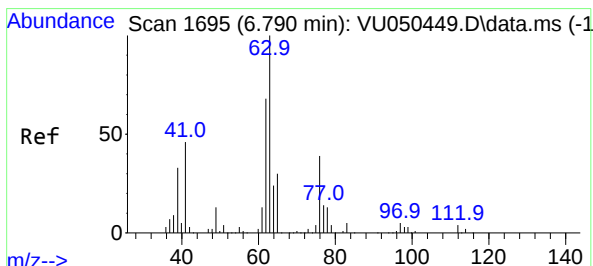
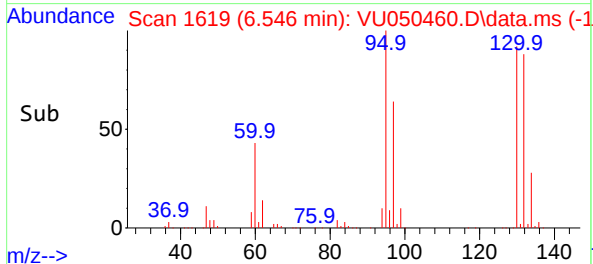
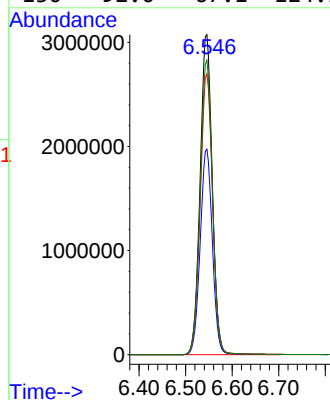
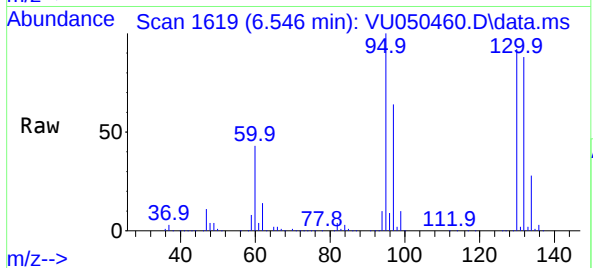


#34
Trichloroethene
Concen: 2413.587 ug/L
RT: 6.546 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU050460.D
Acq: 26 Aug 2022 16:25

Instrument :
MSVOA_U
ClientSampleId :
EY178

Tgt Ion: 95 Resp: 5600588

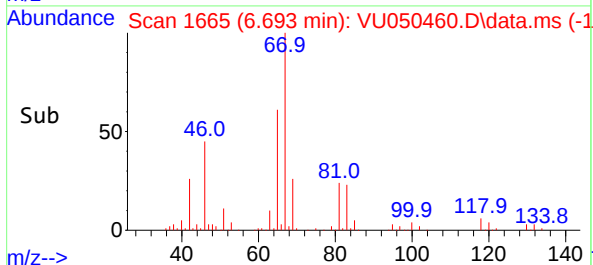
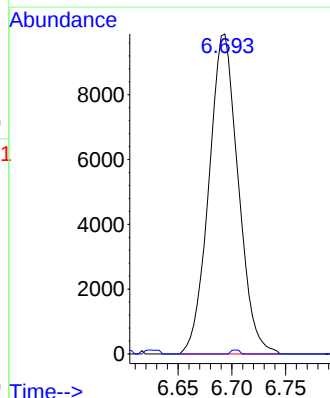
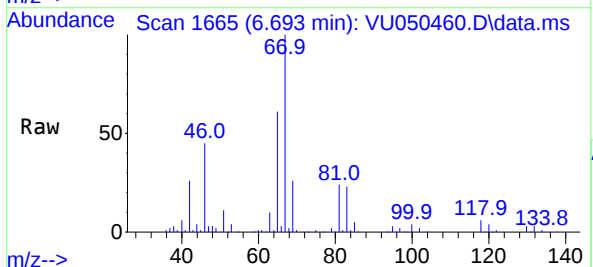
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.2	84.0
132	87.8	64.4	119.6
130	92.0	67.1	124.5

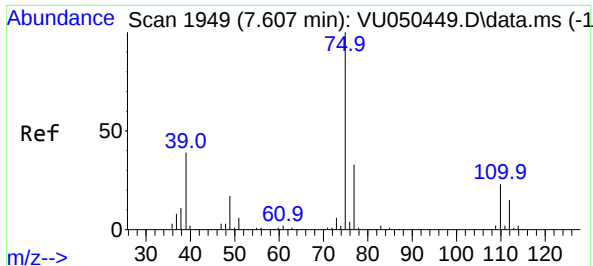


#37
1,2-Dichloropropane
Concen: 6.585 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.097 min
Lab File: VU050460.D
Acq: 26 Aug 2022 16:25

Tgt Ion: 63 Resp: 18750

Ion	Ratio	Lower	Upper
63	100		
112	0.4	3.0	4.4#





#39

cis-1,3-Dichloropropene

Concen: 1.161 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU050460.D

Acq: 26 Aug 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

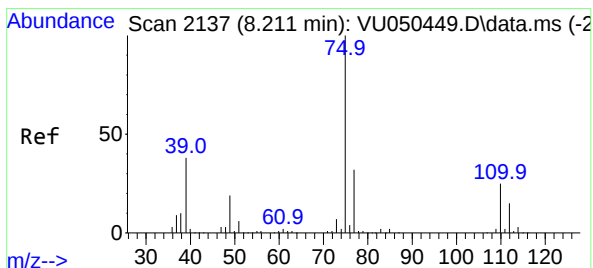
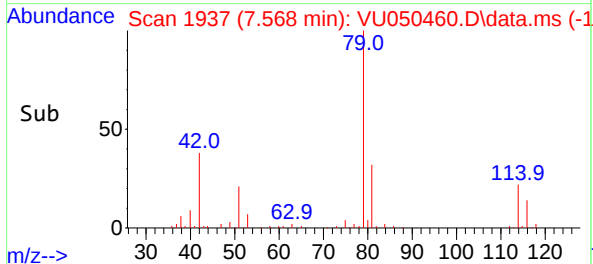
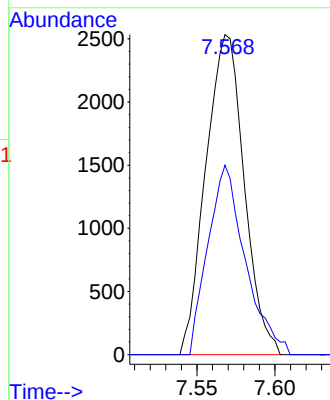
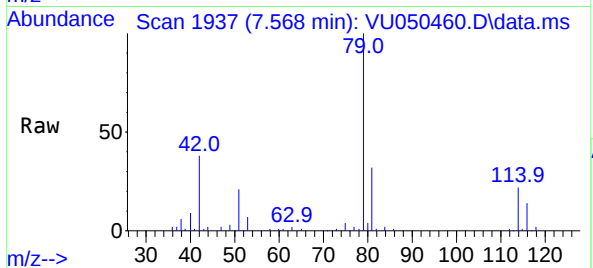
EY178

Tgt Ion: 75 Resp: 4340

Ion Ratio Lower Upper

75 100

77 55.9 22.8 42.4#



#44

trans-1,3-Dichloropropene

Concen: 0.881 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU050460.D

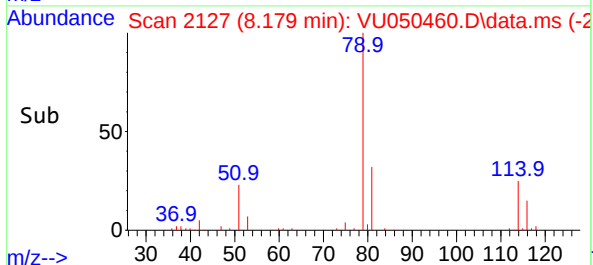
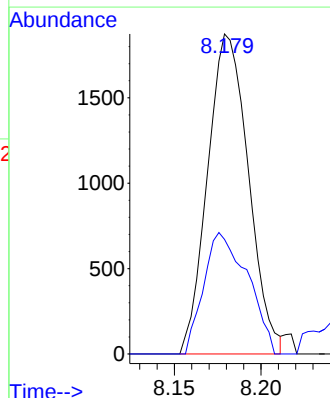
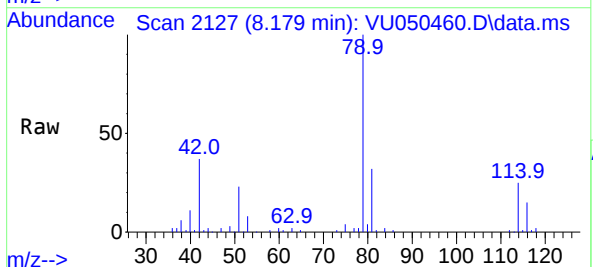
Acq: 26 Aug 2022 16:25

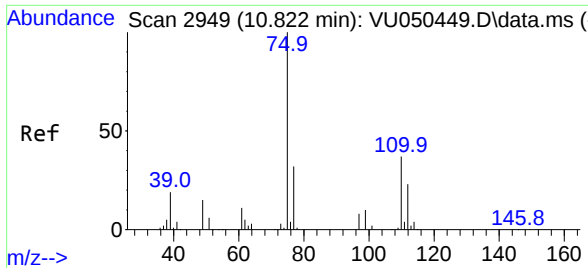
Tgt Ion: 75 Resp: 3072

Ion Ratio Lower Upper

75 100

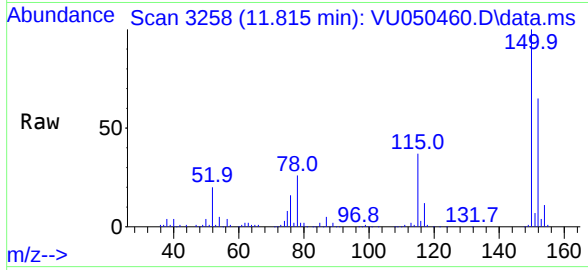
77 35.8 22.5 41.7





#60
1,2,3-Trichloropropane
Concen: 4.605 ug/L
RT: 11.815 min Scan# 31
Delta R.T. 0.993 min
Lab File: VU050460.D
Acq: 26 Aug 2022 16:25

Instrument :
MSVOA_U
ClientSampleId :
EY178



Tgt Ion:	75	Resp:	13632
Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.7	38.5
110	2.4	29.0	43.4#

