

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046297.D
 Acq On : 11 Dec 2021 19:12
 Operator : SY/MD
 Sample : M4983-19DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P9DL

Quant Time: Dec 12 04:07:44 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)

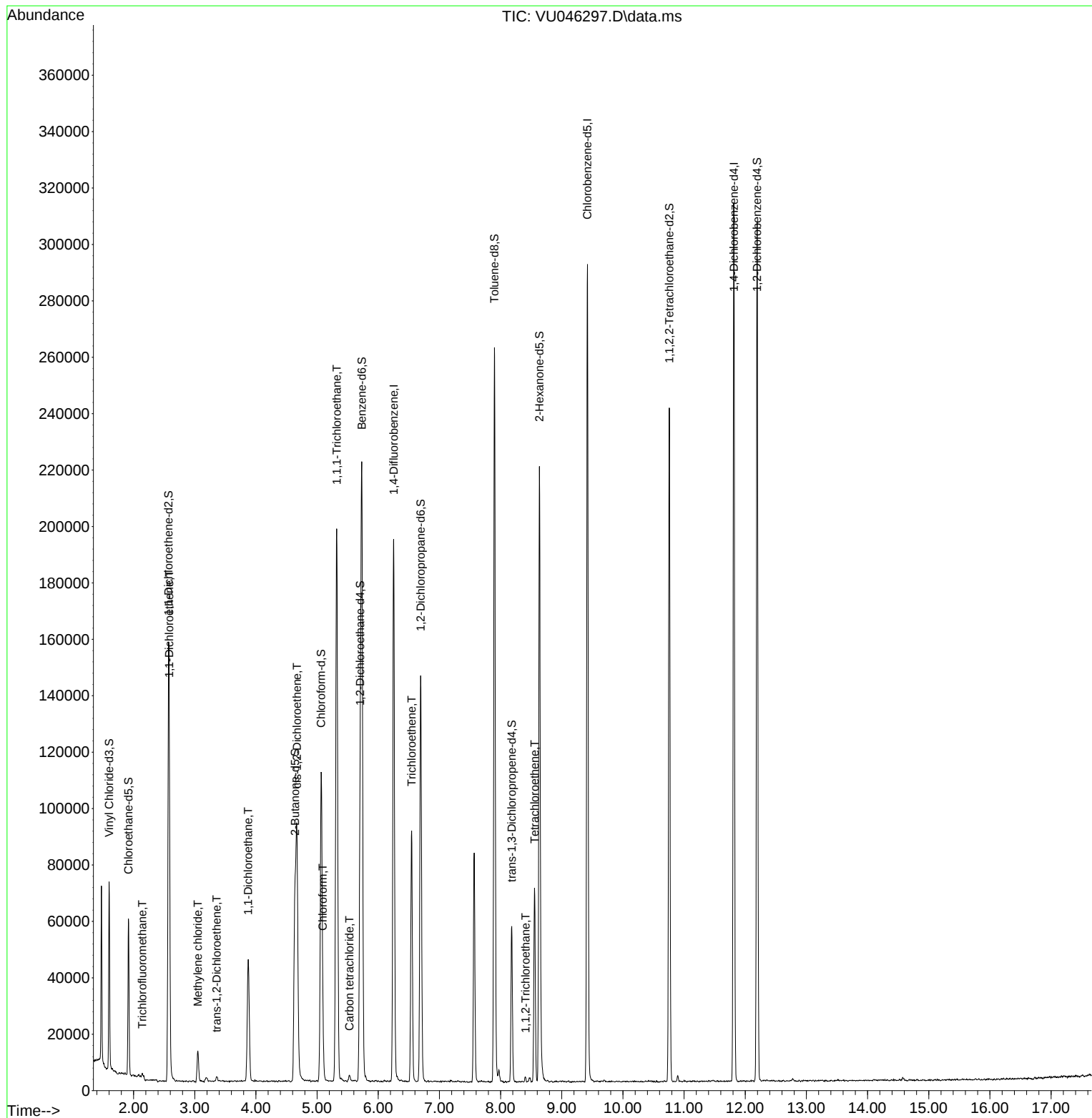
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	158386	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	162625	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	81226	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	46038	35.286	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.580%		
7) Chloroethane-d5	1.916	69	40207	40.137	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.280%		
11) 1,1-Dichloroethene-d2	2.571	63	79501	33.943	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.880%		
21) 2-Butanone-d5	4.639	46	113581	109.510	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.510%		
24) Chloroform-d	5.067	84	100519	46.135	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.280%		
26) 1,2-Dichloroethane-d4	5.703	65	73084	49.982	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.960%		
32) Benzene-d6	5.732	84	204707	43.918	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.840%		
36) 1,2-Dichloropropane-d6	6.693	67	68391	47.344	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.680%		
41) Toluene-d8	7.899	98	173015	40.768	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.540%		
43) trans-1,3-Dichloroprop...	8.182	79	31994	45.880	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.760%		
47) 2-Hexanone-d5	8.636	63	78401	114.467	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	114.470%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	114688	52.351	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	104.700%		
66) 1,2-Dichlorobenzene-d4	12.195	152	76782	49.085	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.160%		
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.141	101	821	0.405	ug/L	99
12) 1,1-Dichloroethene	2.584	96	27127	24.770	ug/L	88
16) Methylene chloride	3.051	84	5433	4.170	ug/L	95
17) trans-1,2-Dichloroethene	3.359	96	692	0.597	ug/L	94
19) 1,1-Dichloroethane	3.874	63	49931	23.695	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	35725	28.409	ug/L	98
25) Chloroform	5.092	83	11681	4.989	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	144420	72.346	ug/L	100
31) Carbon tetrachloride	5.530	117	1596	0.942	ug/L	92
34) Trichloroethene	6.546	95	30500	23.522	ug/L	99
45) 1,1,2-Trichloroethane	8.407	97	627	0.485	ug/L	95
46) Tetrachloroethene	8.555	164	15501	16.267	ug/L	90

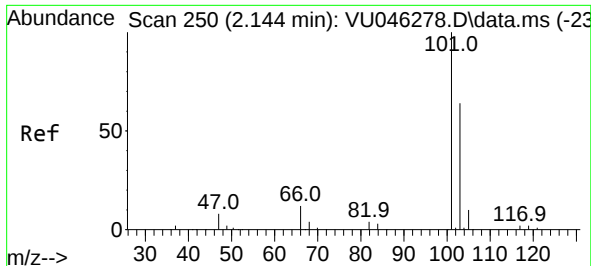
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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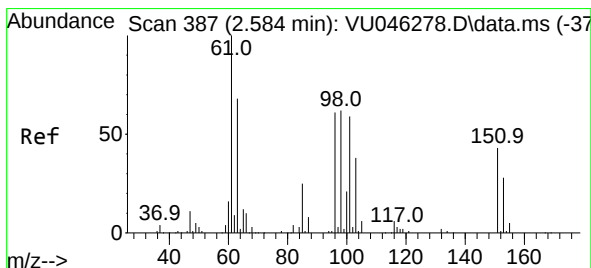
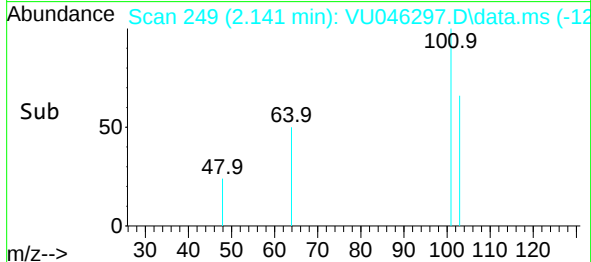
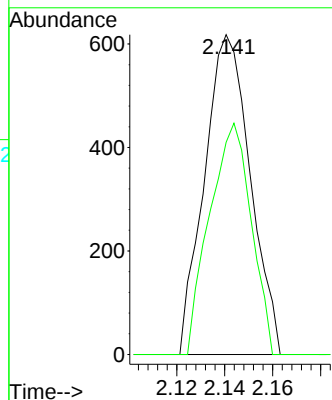
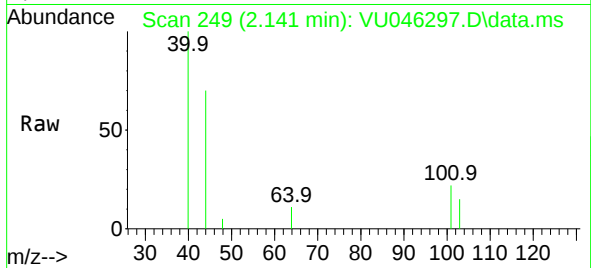




#9
 Trichlorofluoromethane
 Concen: 0.405 ug/L
 RT: 2.141 min Scan# 249
 Delta R.T. -0.003 min
 Lab File: VU046297.D
 Acq: 11 Dec 2021 19:12

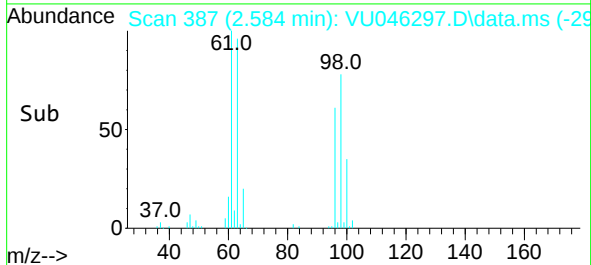
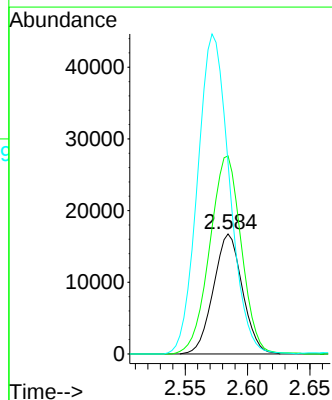
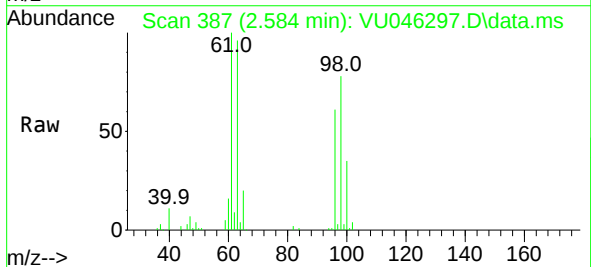
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P9DL

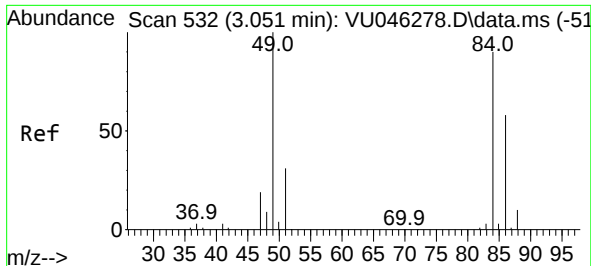
Tgt Ion:101 Resp: 821
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.6



#12
 1,1-Dichloroethene
 Concen: 24.770 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.000 min
 Lab File: VU046297.D
 Acq: 11 Dec 2021 19:12

Tgt Ion: 96 Resp: 27127
 Ion Ratio Lower Upper
 96 100
 61 165.0 118.6 220.2
 63 159.1 93.0 172.8

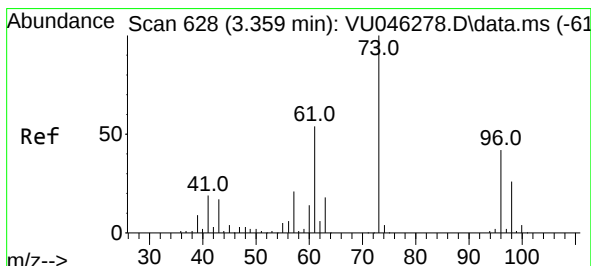
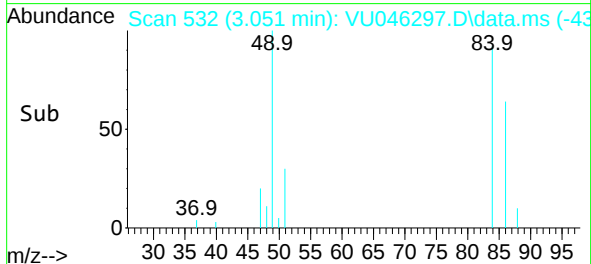
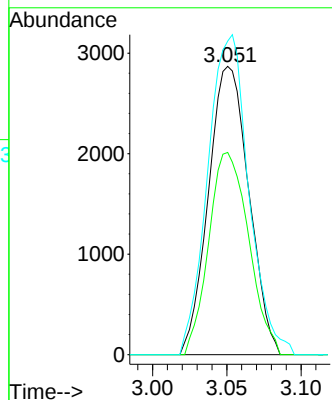
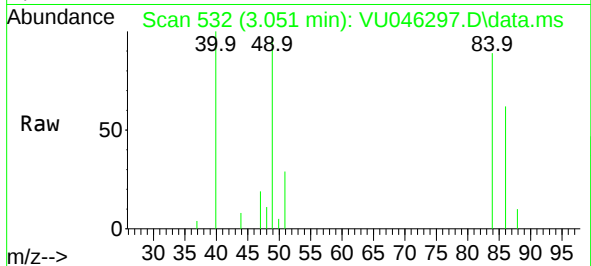




#16
Methylene chloride
Concen: 4.170 ug/L
RT: 3.051 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU046297.D
Acq: 11 Dec 2021 19:12

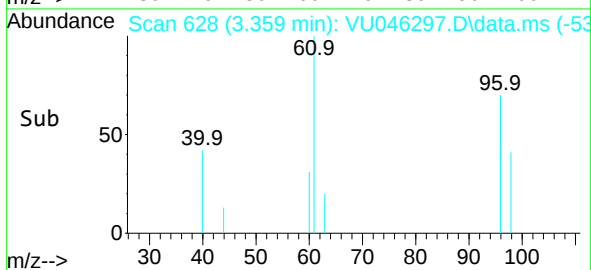
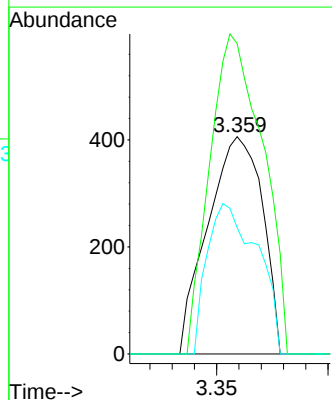
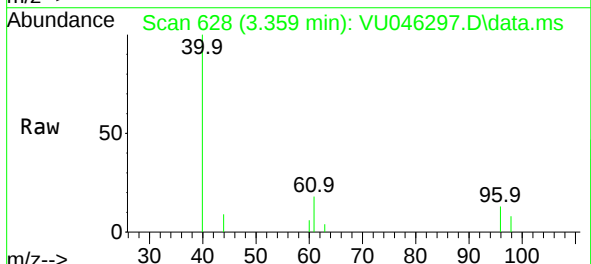
Instrument :
MSVOA_U
ClientSampleId :
EW5P9DL

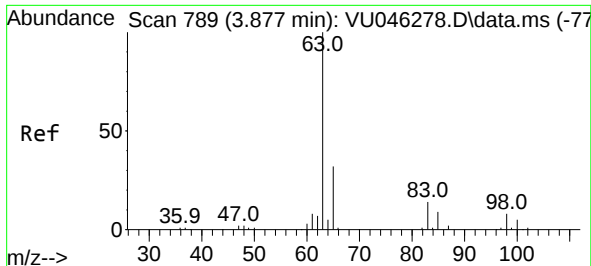
Tgt Ion: 84 Resp: 5433
Ion Ratio Lower Upper
84 100
86 70.2 44.7 83.1
49 108.8 78.4 145.6



#17
trans-1,2-Dichloroethene
Concen: 0.597 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU046297.D
Acq: 11 Dec 2021 19:12

Tgt Ion: 96 Resp: 692
Ion Ratio Lower Upper
96 100
61 142.9 94.6 175.6
98 58.1 44.0 81.8





#19

1,1-Dichloroethane

Concen: 23.695 ug/L

RT: 3.874 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046297.D

Acq: 11 Dec 2021 19:12

Instrument :

MSVOA_U

ClientSampleId :

EW5P9DL

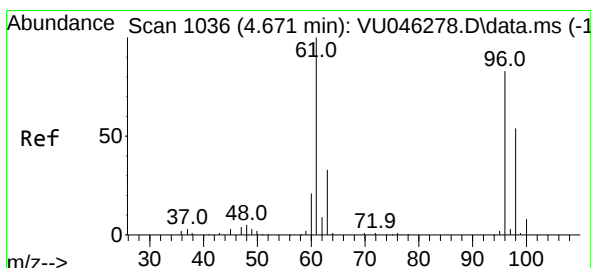
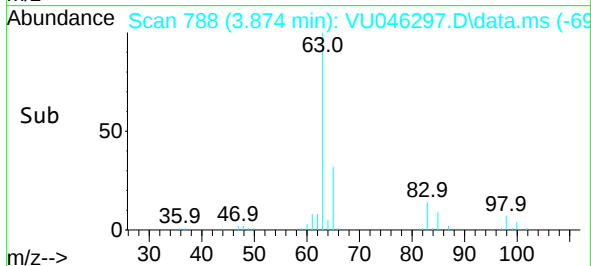
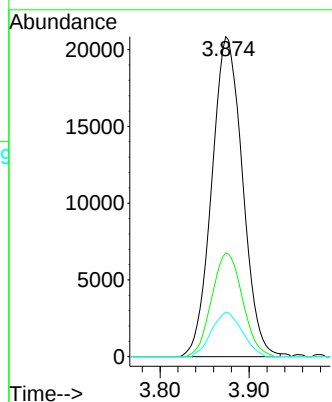
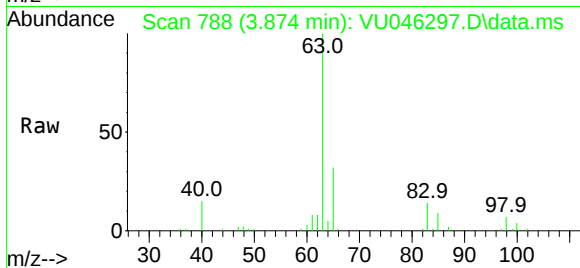
Tgt Ion: 63 Resp: 49931

Ion Ratio Lower Upper

63 100

65 32.4 22.8 42.4

83 13.9 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 28.409 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046297.D

Acq: 11 Dec 2021 19:12

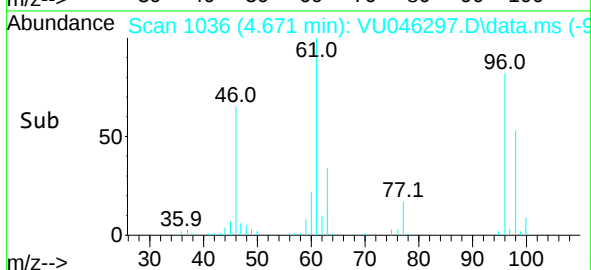
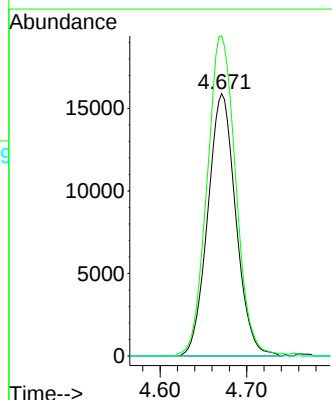
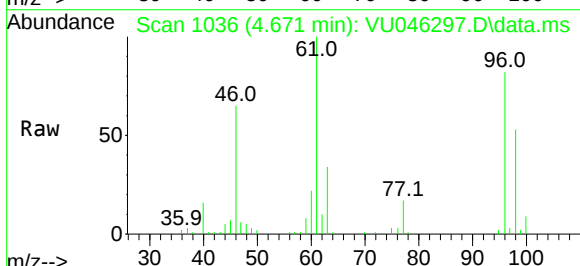
Tgt Ion: 96 Resp: 35725

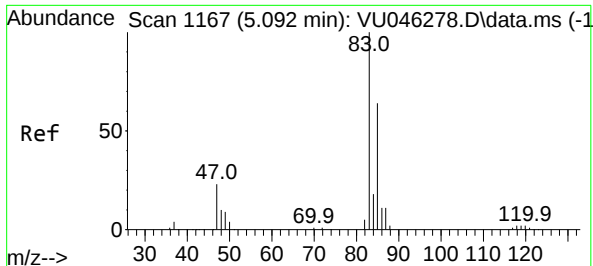
Ion Ratio Lower Upper

96 100

61 122.0 86.8 161.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 4.989 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046297.D

Acq: 11 Dec 2021 19:12

Instrument :

MSVOA_U

ClientSampleId :

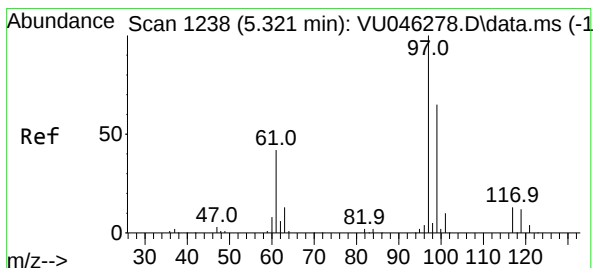
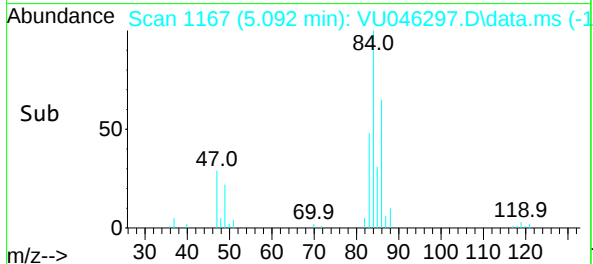
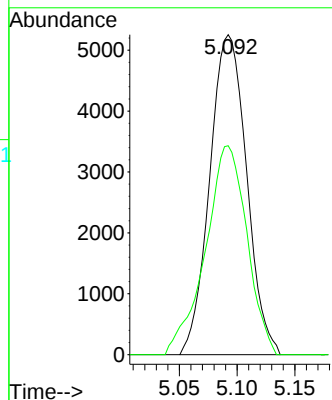
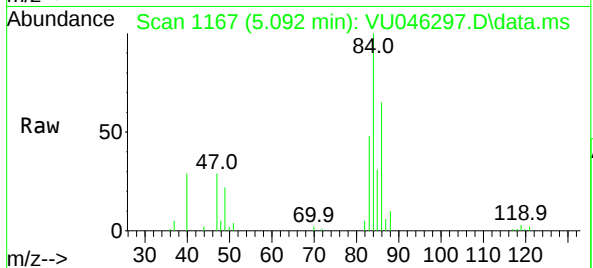
EW5P9DL

Tgt Ion: 83 Resp: 11681

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.2



#30

1,1,1-Trichloroethane

Concen: 72.346 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046297.D

Acq: 11 Dec 2021 19:12

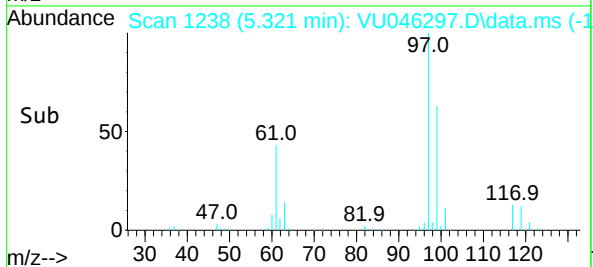
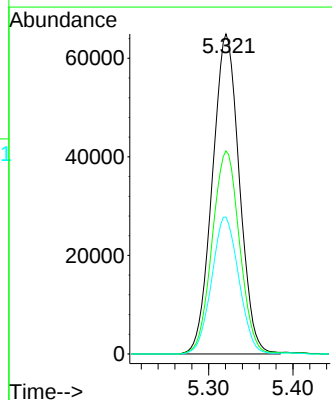
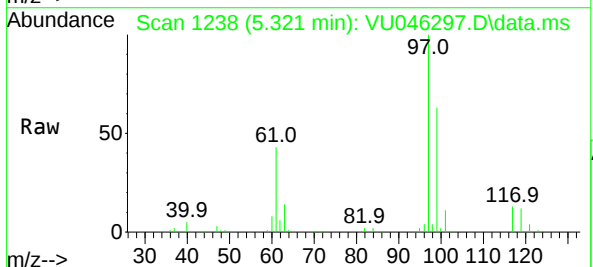
Tgt Ion: 97 Resp: 144420

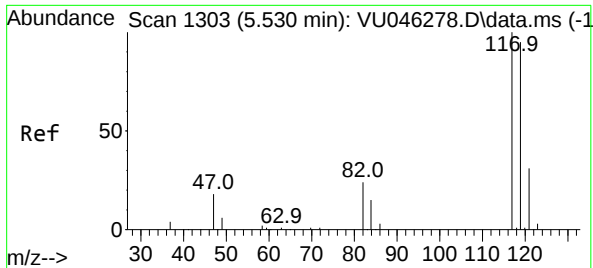
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 43.1 34.4 51.6

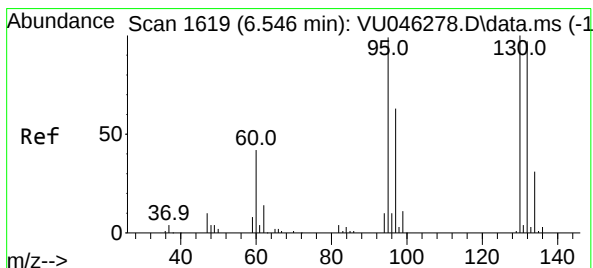
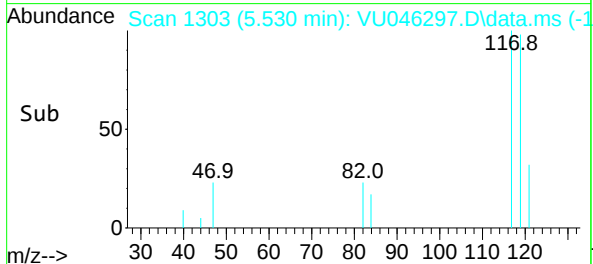
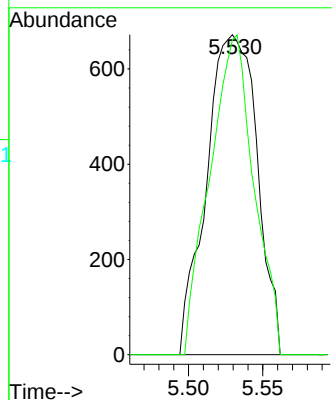
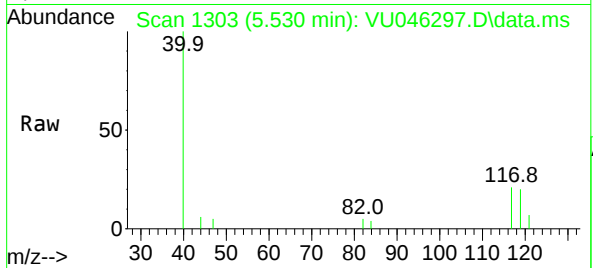




#31
Carbon tetrachloride
Concen: 0.942 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046297.D
Acq: 11 Dec 2021 19:12

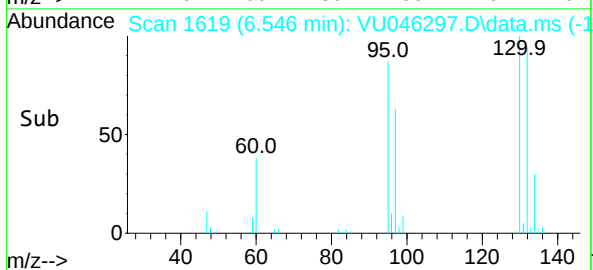
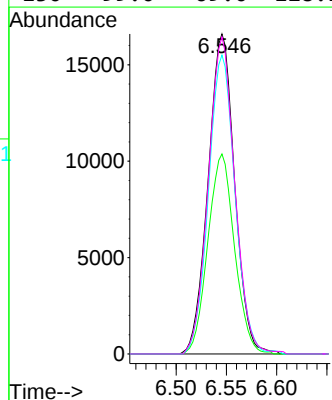
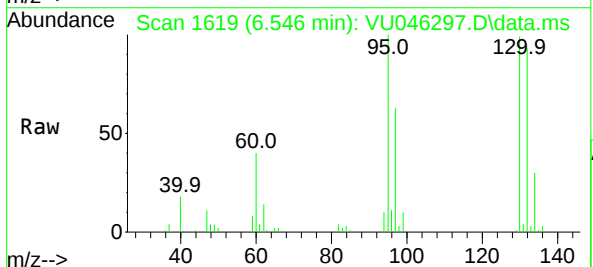
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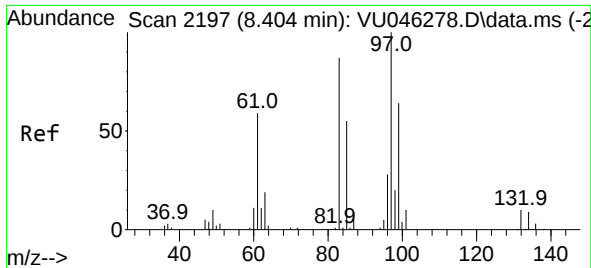
Tgt Ion:117 Resp: 1596
Ion Ratio Lower Upper
117 100
119 87.3 75.7 113.5



#34
Trichloroethene
Concen: 23.522 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046297.D
Acq: 11 Dec 2021 19:12

Tgt Ion: 95 Resp: 30500
Ion Ratio Lower Upper
95 100
97 62.5 44.1 81.9
132 93.4 66.8 124.0
130 99.0 69.0 128.1



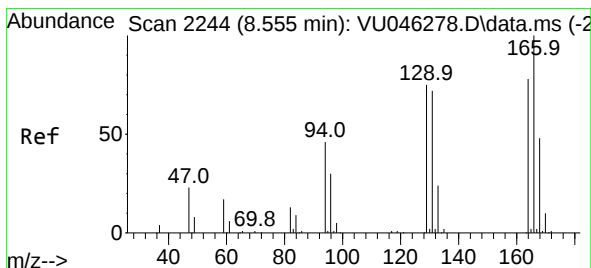
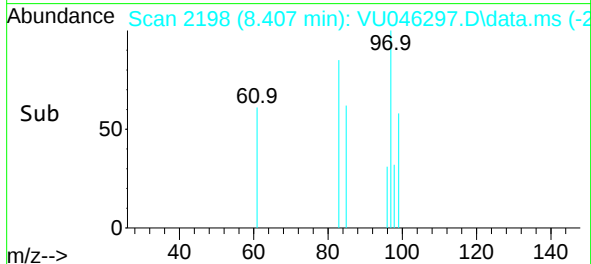
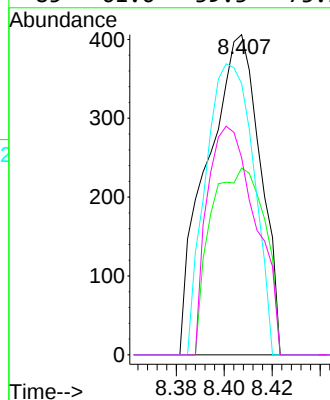
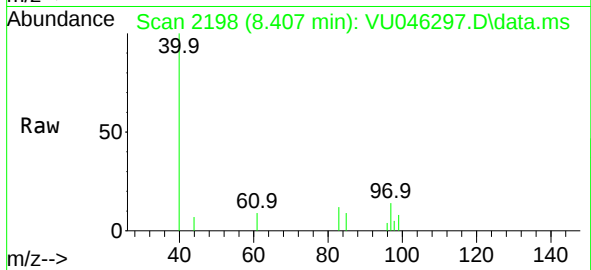


#45
1,1,2-Trichloroethane
Concen: 0.485 ug/L
RT: 8.407 min Scan# 2197
Delta R.T. 0.003 min
Lab File: VU046297.D
Acq: 11 Dec 2021 19:12

Instrument :
MSVOA_U
ClientSampleId :
EW5P9DL

Tgt Ion: 97 Resp: 627

Ion	Ratio	Lower	Upper
97	100		
99	58.4	44.7	82.9
83	84.7	60.2	111.8
85	61.6	39.3	73.1



#46
Tetrachloroethene
Concen: 16.267 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046297.D
Acq: 11 Dec 2021 19:12

Tgt Ion: 164 Resp: 15501

Ion	Ratio	Lower	Upper
164	100		
129	90.8	71.1	132.1
131	87.7	67.8	126.0
166	118.6	90.6	168.2

