Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
Data File : VU046140.D
Acq On : 07 Dec 2021 15:03
Operator : SY/MD
Sample : M4960-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 08 04:53:26 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	50717	50.000 ug/L	0.00
28) Chlorobenzene-d5	9.417	117	48849	50.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	27458	50.000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.600	65	86976	208.186 ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 416.380%#		
7) Chloroethane-d5	1.919	69	62616	195.206 ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 390.420%#		
11) 1,1-Dichloroethene-d2	2.571	63	118683	158.246 ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 316.500%#		
21) 2-Butanone-d5	4.636	46	189200	569.682 ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 569.680%#		
24) Chloroform-d	5.066	84	150297	215.426 ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 430.860%#		
26) 1,2-Dichloroethane-d4	5.703	65	96151	205.356 ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 410.720%#		
32) Benzene-d6	5.732	84	321162	229.385 ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 458.780%#		
36) 1,2-Dichloropropane-d6	6.693	67	97495	224.687 ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 449.380%#		
41) Toluene-d8	7.899	98	300055	235.377 ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 470.760%#		
43) trans-1,3-Dichloroprop...	8.179	79	48799	232.970 ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 465.940%#		
47) 2-Hexanone-d5	8.632	63	141768	689.081 ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 689.080%#		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	145576	221.224 ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 442.440%#		
66) 1,2-Dichlorobenzene-d4	12.195	152	116344	220.018 ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 440.040%#		
Target Compounds					Qvalue
5) Vinyl chloride	1.607	62	33335	66.986 ug/L #	6
13) Acetone	2.652	43	263183	634.067 ug/L	98
14) Carbon disulfide	2.803	76	5880	5.404 ug/L #	93
16) Methylene chloride	3.050	84	2156	5.167 ug/L	90
17) trans-1,2-Dichloroethene	3.359	96	7007	18.881 ug/L	97
19) 1,1-Dichloroethane	3.874	63	63734	94.454 ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	640965	1591.758 ug/L	98
22) 2-Butanone	4.716	43	176006	389.527 ug/L	91
27) 1,2-Dichloroethane	5.796	62	81076	145.734 ug/L	98
33) Benzene	5.777	78	1587870	1073.993 ug/L	100
34) Trichloroethene	6.546	95	11632	29.865 ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	49864	87.629 ug/L	98
42) Toluene	7.973	91	3350871	2112.200 ug/L	99
46) Tetrachloroethene	8.555	164	4253	14.859 ug/L	98
48) 2-Hexanone	8.687	43	19201	37.730 ug/L #	95
51) Chlorobenzene	9.449	112	27550	26.843 ug/L	99
52) Ethylbenzene	9.571	91	1443025	845.184 ug/L	98
53) m,p-Xylene	9.693	106	1401362	2104.644 ug/L	99
54) o-xylene	10.102	106	538881	834.069 ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
Data File : VU046140.D
Acq On : 07 Dec 2021 15:03
Operator : SY/MD
Sample : M4960-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 08 04:53:26 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

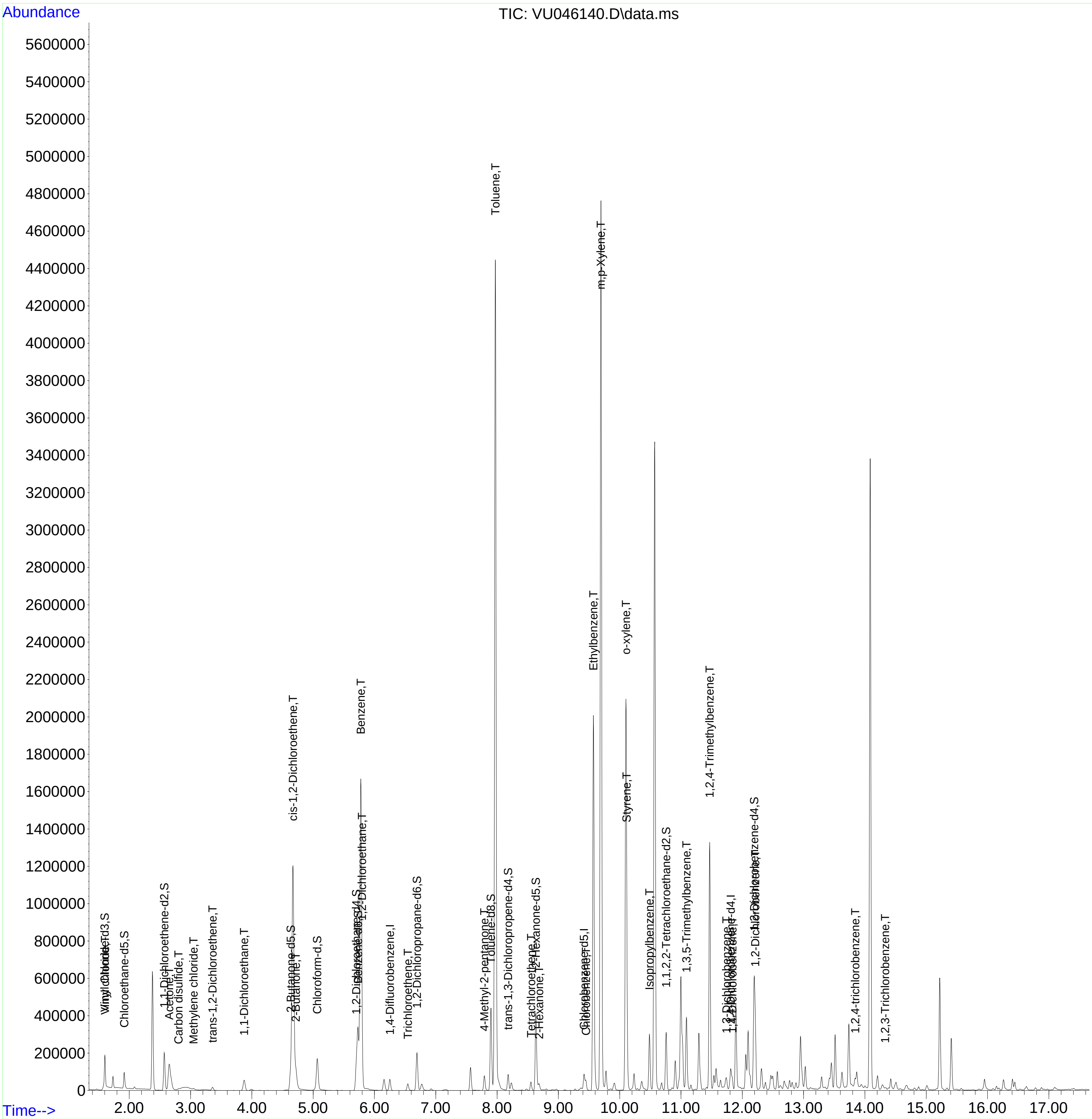
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
55) Styrene	10.115	104	181248	164.314 ug/L	80
61) Isopropylbenzene	10.484	105	199897	111.891 ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	205146	137.766 ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	735956	493.990 ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	1010	1.190 ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	23298	26.564 ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	117156	137.090 ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	7872	14.346 ug/L #	96
72) 1,2,3-Trichlorobenzene	14.330	180	2339	4.180 ug/L #	76

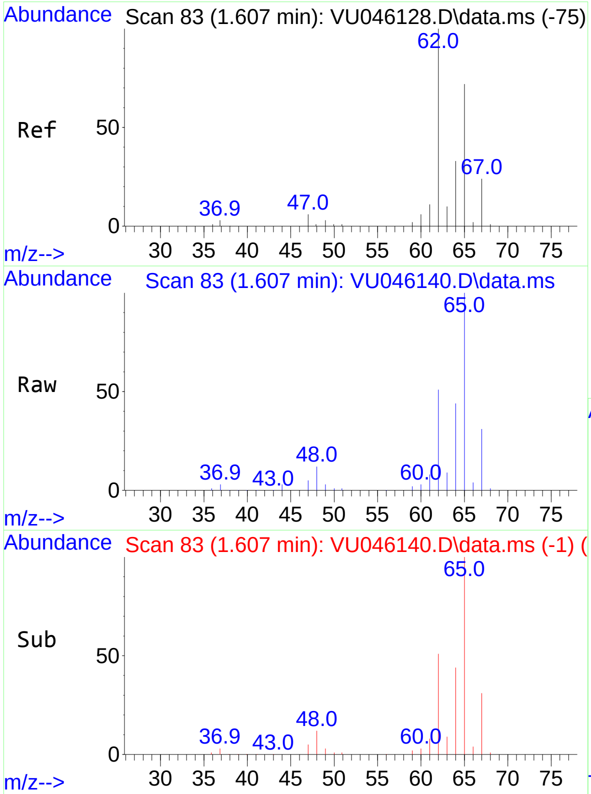
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
Data File : VU046140.D
Acq On : 07 Dec 2021 15:03
Operator : SY/MD
Sample : M4960-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 08 04:53:26 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

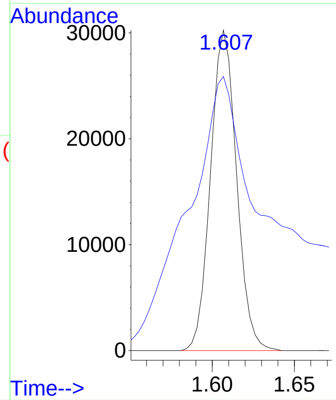


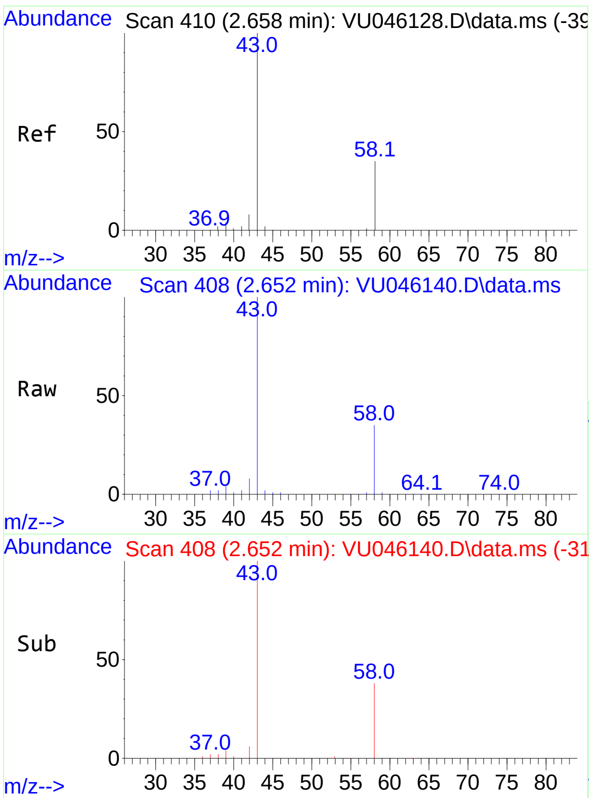


#5
Vinyl chloride
Concen: 66.986 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 62 Resp: 33335

Ion	Ratio	Lower	Upper
62	100		
64	85.5	22.9	42.5#

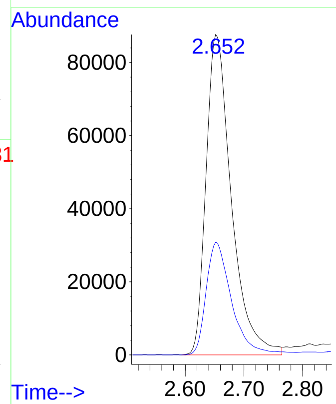


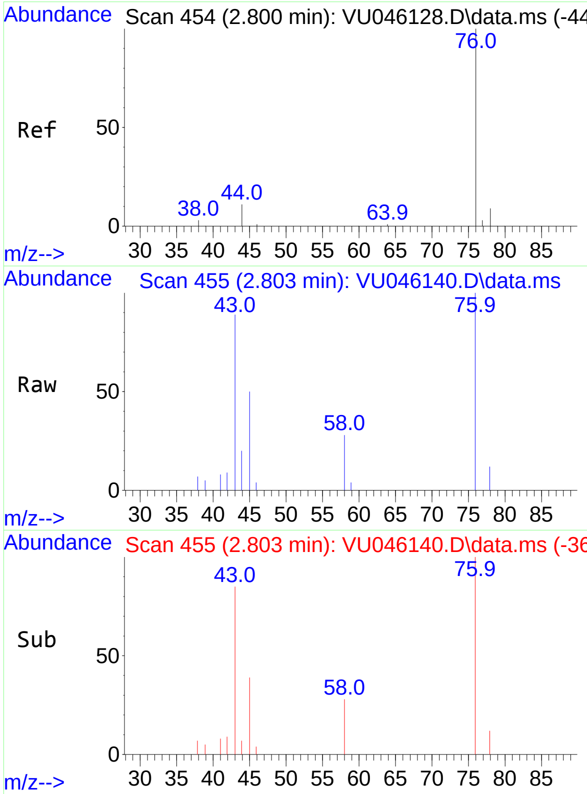


#13
Acetone
Concen: 634.067 ug/L
RT: 2.652 min Scan# 408
Delta R.T. -0.010 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 43 Resp: 263183

Ion	Ratio	Lower	Upper
43	100		
58	34.8	0.0	66.8

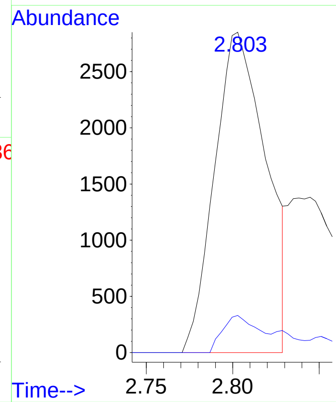


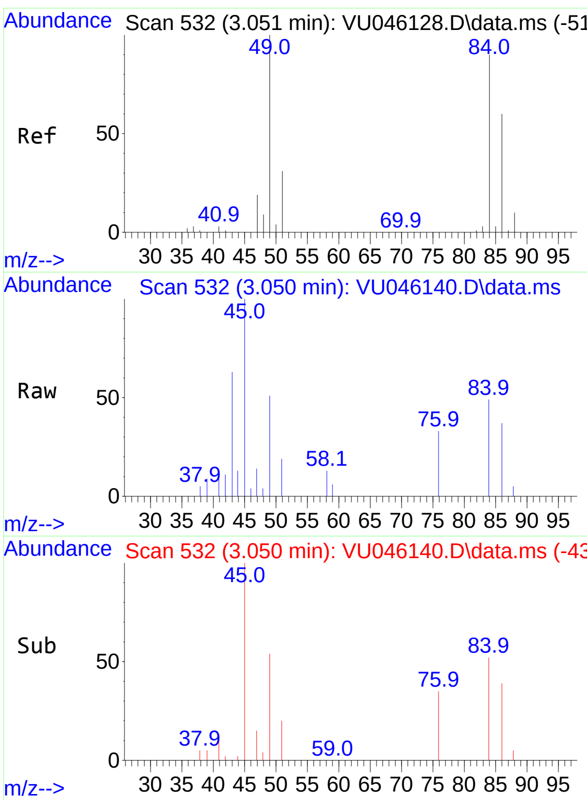


#14
Carbon disulfide
Concen: 5.404 ug/L
RT: 2.803 min Scan# 455
Delta R.T. 0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 76 Resp: 5880

Ion	Ratio	Lower	Upper
76	100		
78	11.6	7.3	10.9#

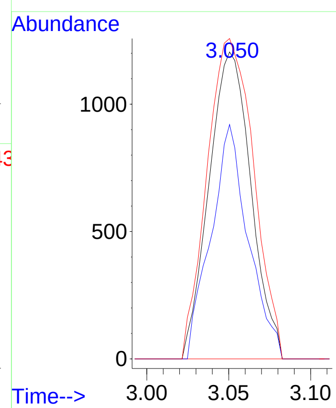


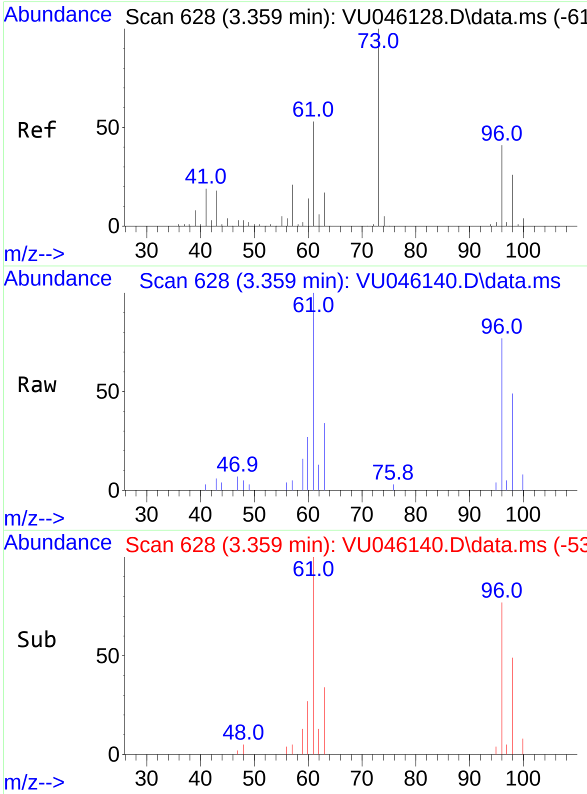


#16
Methylene chloride
Concen: 5.167 ug/L
RT: 3.050 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 84 Resp: 2156

Ion	Ratio	Lower	Upper
84	100		
86	76.3	44.7	83.1
49	104.4	78.4	145.6

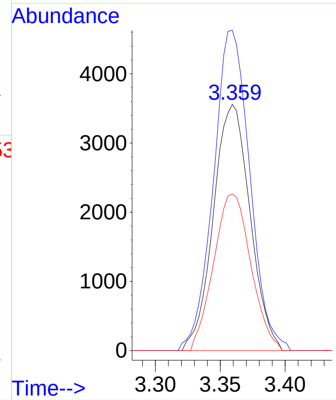


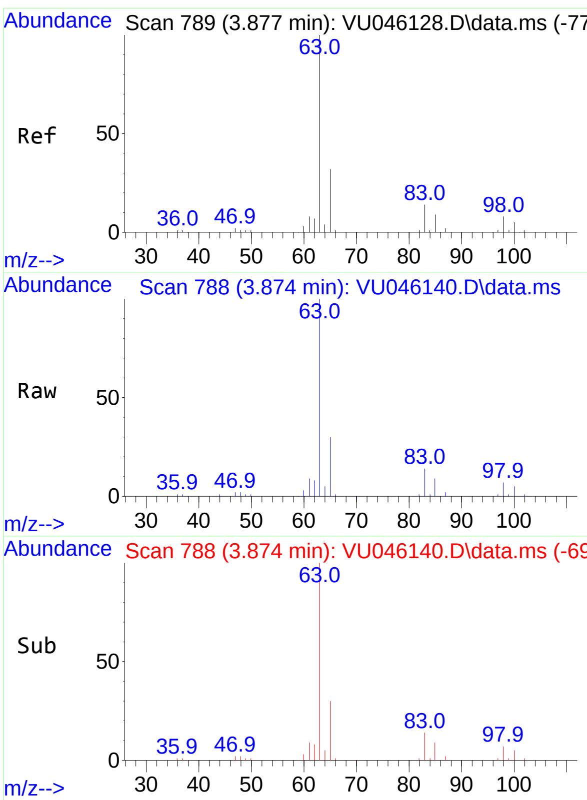


#17
trans-1,2-Dichloroethene
Concen: 18.881 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 96 Resp: 7007

Ion	Ratio	Lower	Upper
96	100		
61	130.1	94.6	175.6
98	63.7	44.0	81.8

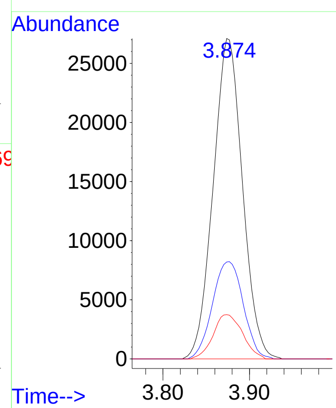


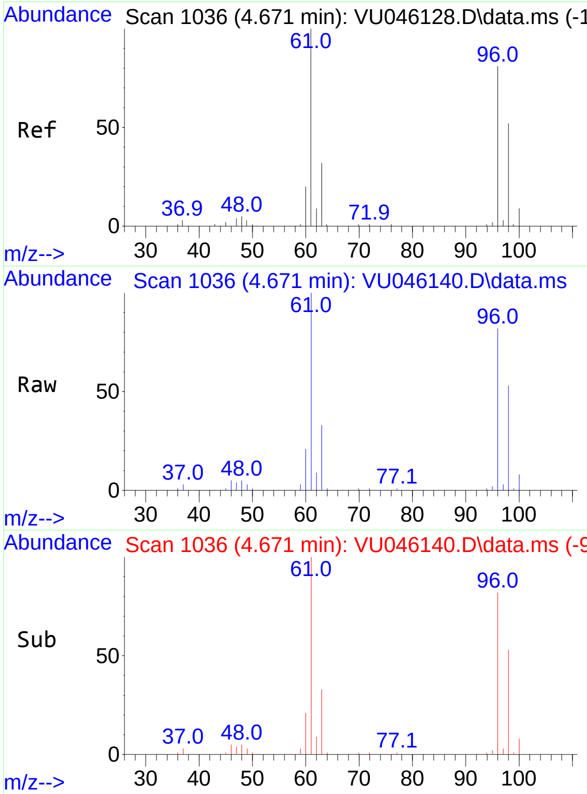


#19
1,1-Dichloroethane
Concen: 94.454 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 63 Resp: 63734

Ion	Ratio	Lower	Upper
63	100		
65	30.2	22.8	42.4
83	13.8	9.6	17.8

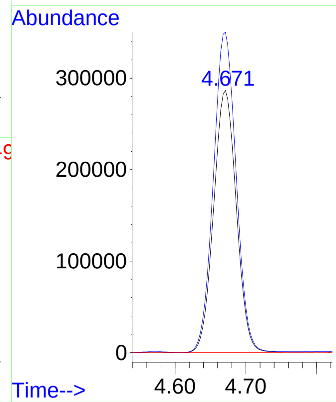


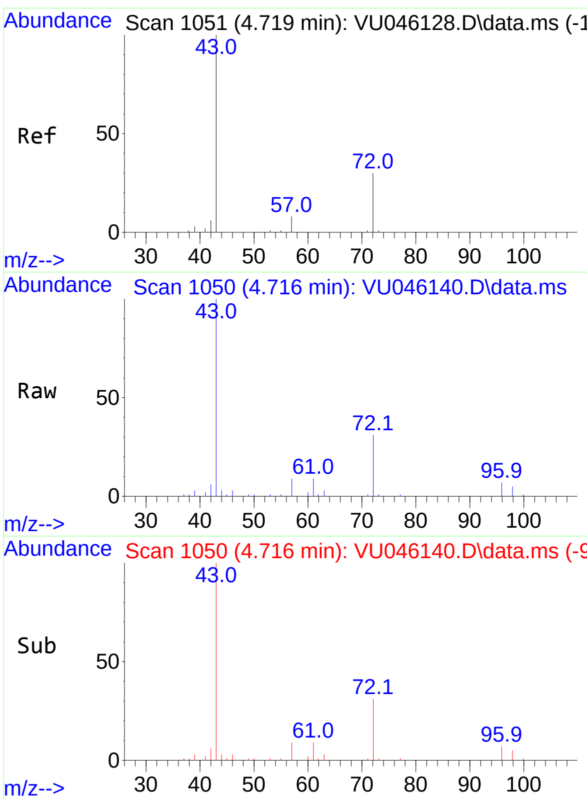


#20
cis-1,2-Dichloroethene
Concen: 1591.758 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 96 Resp: 640965

Ion	Ratio	Lower	Upper
96	100		
61	122.3	86.8	161.2
68	0.0	0.0	0.0

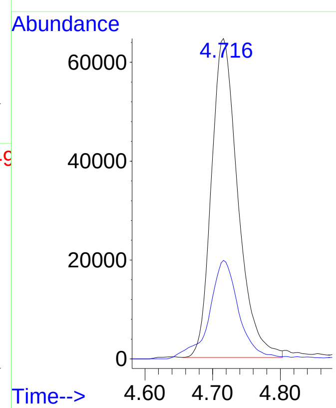


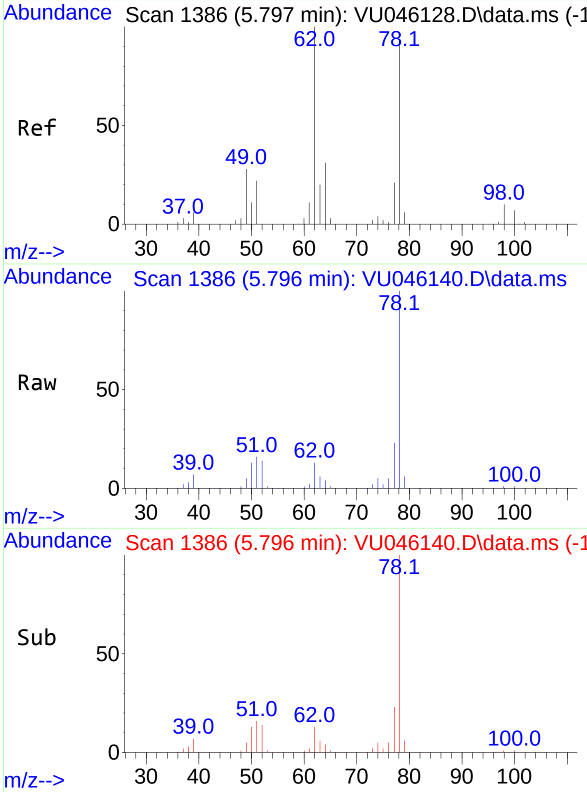


#22
2-Butanone
Concen: 389.527 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. -0.007 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 43 Resp: 176006

Ion	Ratio	Lower	Upper
43	100		
72	33.8	14.5	43.6

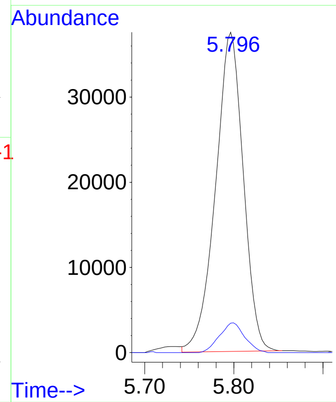


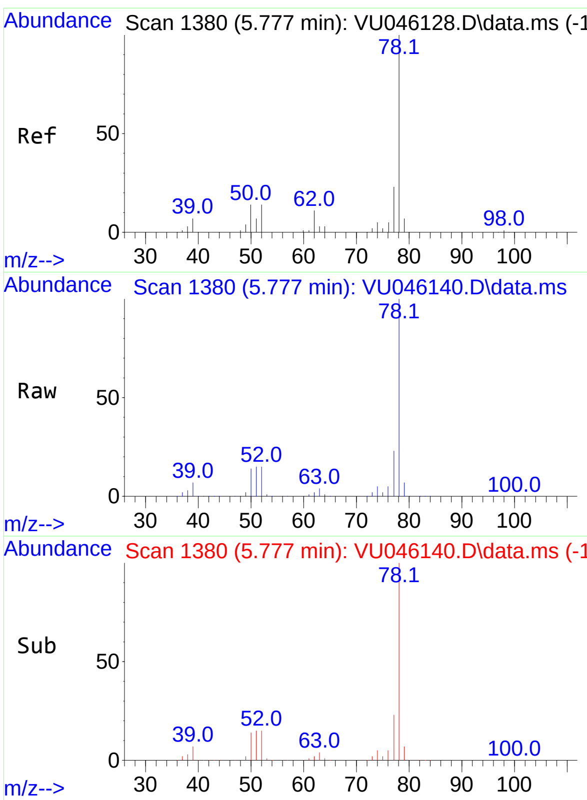


#27
1,2-Dichloroethane
Concen: 145.734 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 62 Resp: 81076

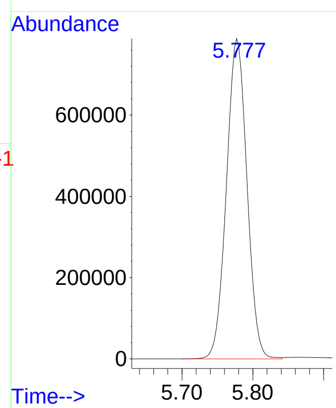
Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.9	11.9

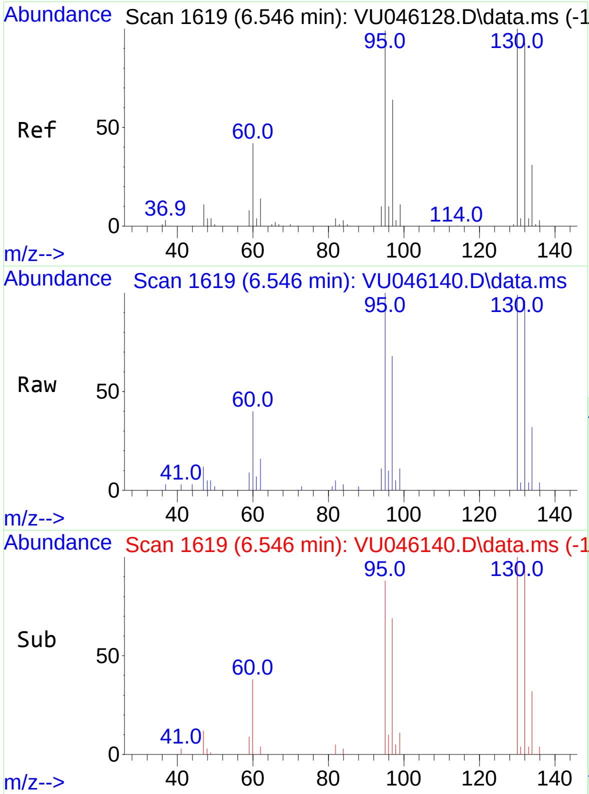




#33
Benzene
Concen: 1073.993 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 78 Resp: 1587870

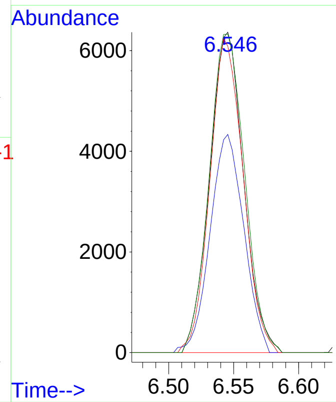


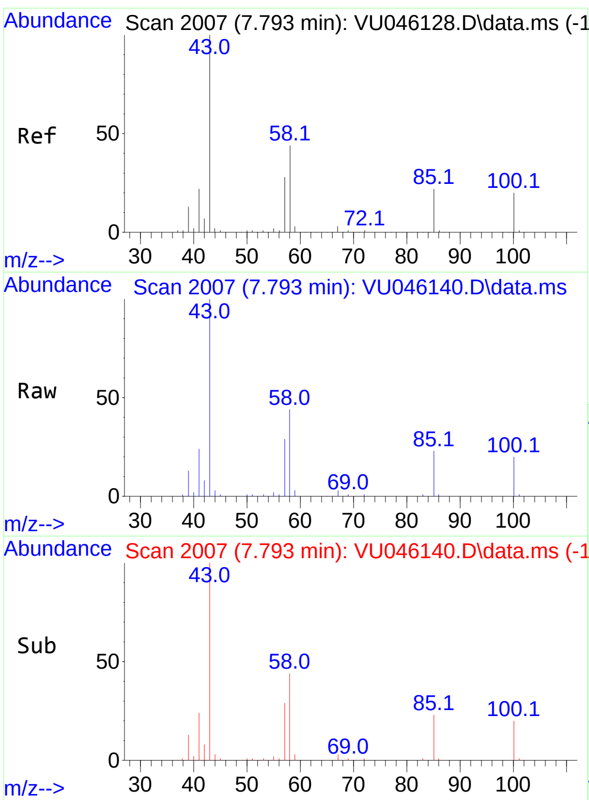


#34
Trichloroethene
Concen: 29.865 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 95 Resp: 11632

Ion	Ratio	Lower	Upper
95	100		
97	68.1	44.1	81.9
132	95.6	66.8	124.0
130	99.4	69.0	128.1

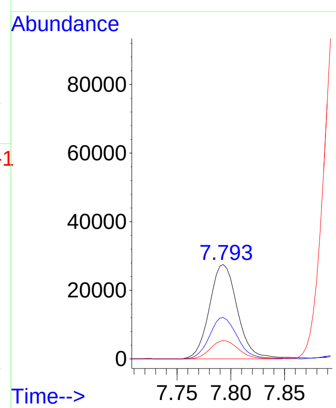


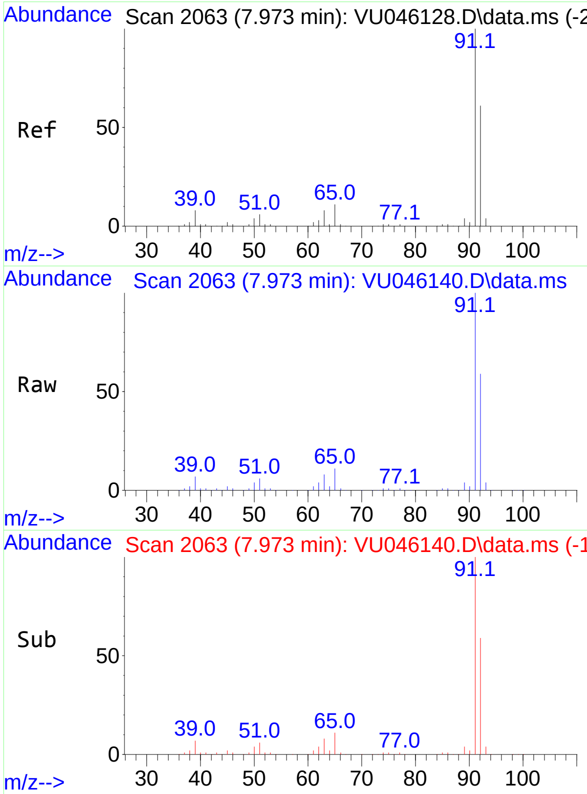


#40
4-Methyl-2-pentanone
Concen: 87.629 ug/L
RT: 7.793 min Scan# 2007
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 43 Resp: 49864

Ion	Ratio	Lower	Upper
43	100		
58	44.0	34.2	51.4
100	19.4	14.5	21.7

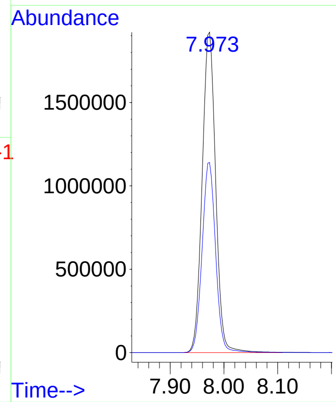


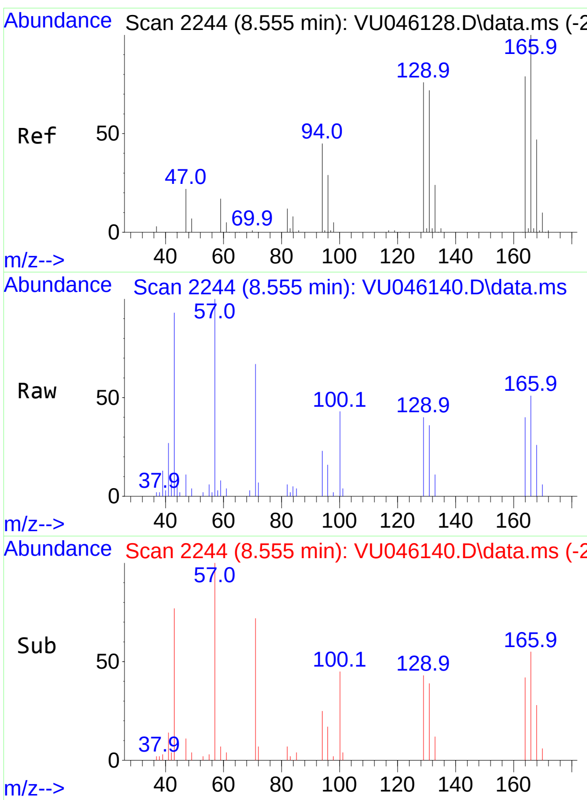


#42
Toluene
Concen: 2112.200 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 91 Resp: 3350871

Ion	Ratio	Lower	Upper
91	100		
92	59.4	41.9	77.7

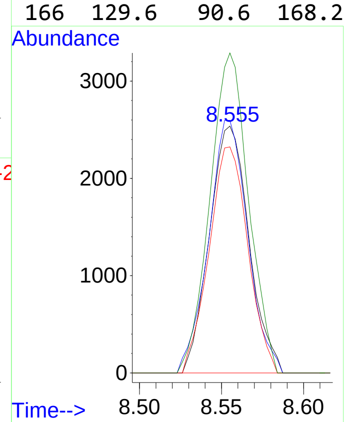


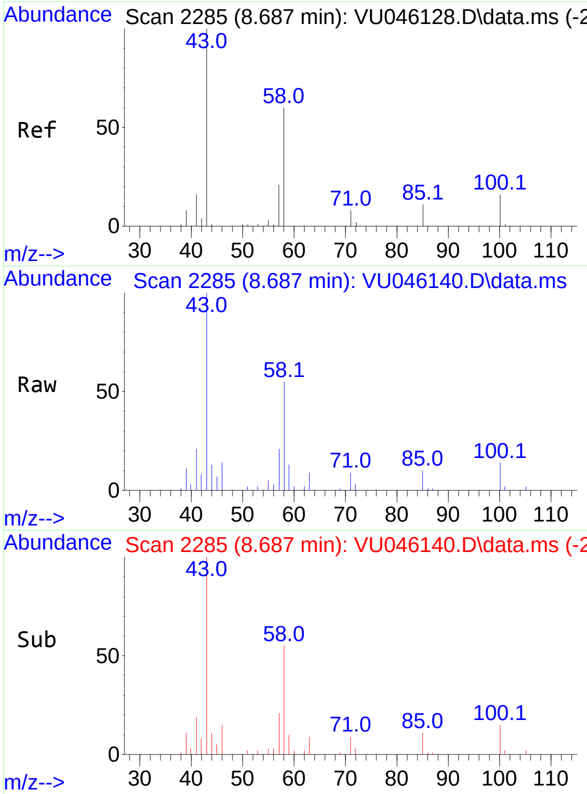


#46
Tetrachloroethene
Concen: 14.859 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:164 Resp: 4253

Ion	Ratio	Lower	Upper
164	100		
129	102.4	71.1	132.1
131	91.6	67.8	126.0
166	129.6	90.6	168.2

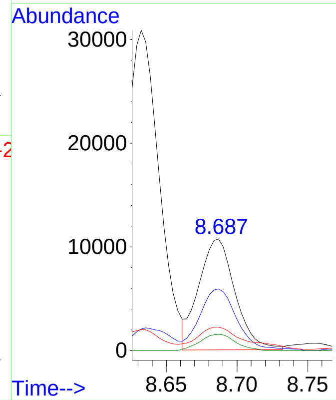


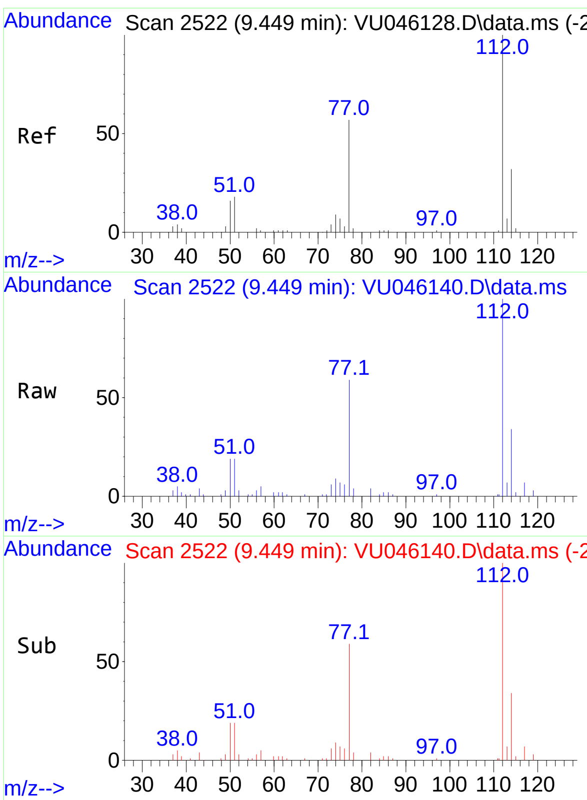


#48
2-Hexanone
Concen: 37.730 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 43 Resp: 19201

Ion	Ratio	Lower	Upper
43	100		
58	56.8	47.4	71.2
57	26.1	16.6	25.0#
100	14.2	11.4	17.2

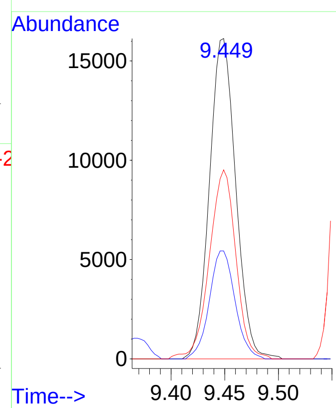


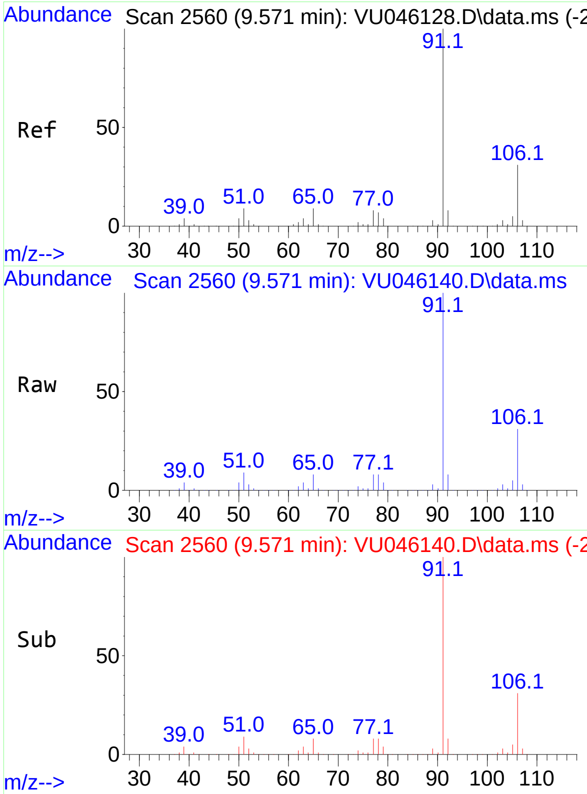


#51
Chlorobenzene
Concen: 26.843 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:112 Resp: 27550

Ion	Ratio	Lower	Upper
112	100		
114	33.7	22.2	41.2
77	59.0	47.4	71.0

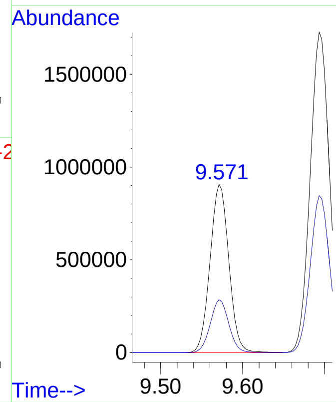


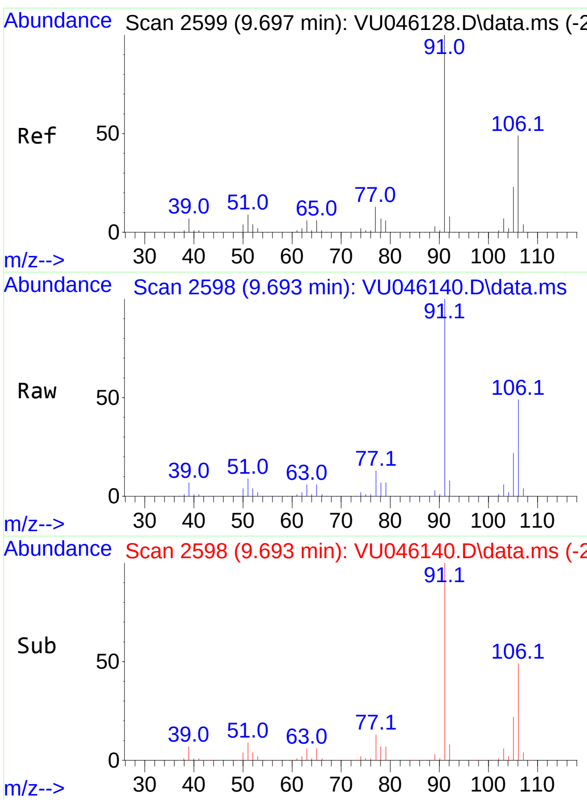


#52
Ethylbenzene
Concen: 845.184 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion: 91 Resp: 1443025

Ion	Ratio	Lower	Upper
91	100		
106	31.4	21.1	39.3

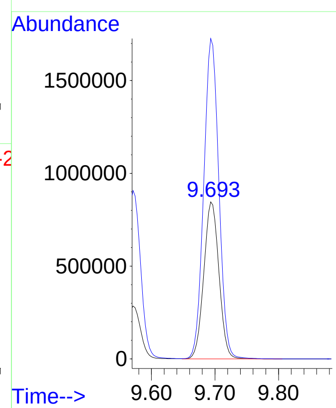


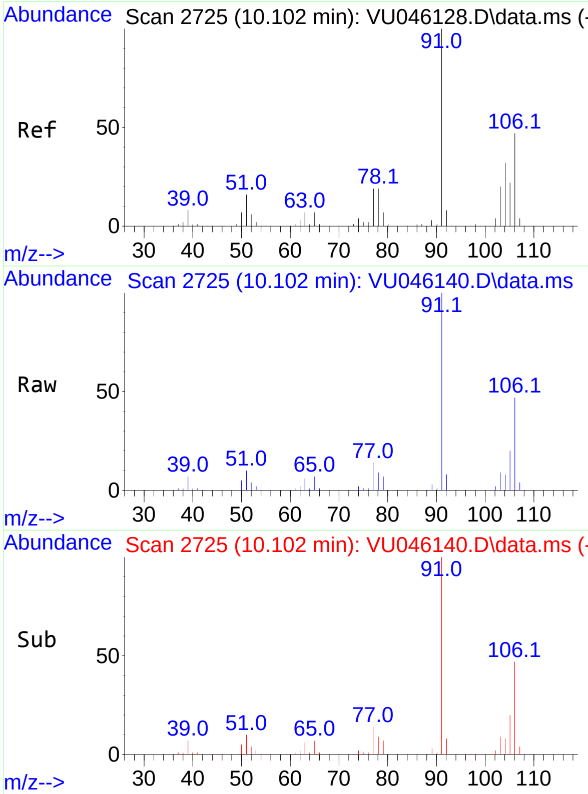


#53
m,p-Xylene
Concen: 2104.644 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:106 Resp: 1401362

Ion	Ratio	Lower	Upper
106	100		
91	204.1	144.3	268.1

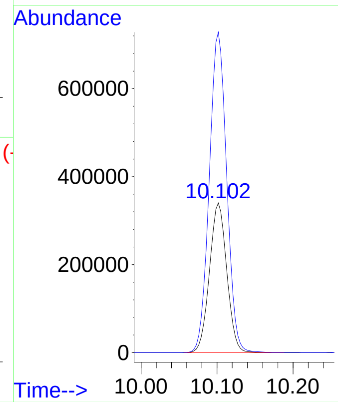


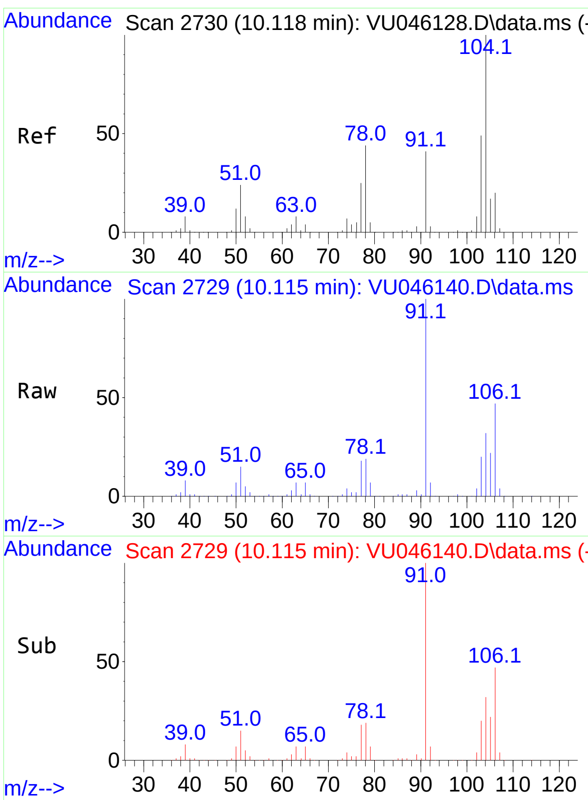


#54
o-xylene
Concen: 834.069 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:106 Resp: 538881

Ion	Ratio	Lower	Upper
106	100		
91	214.1	154.2	286.4

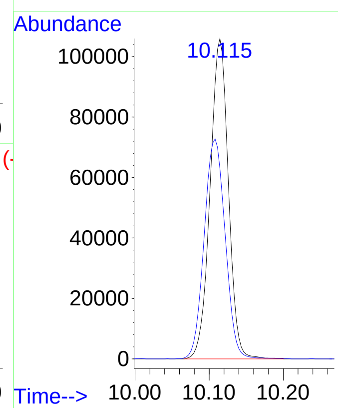


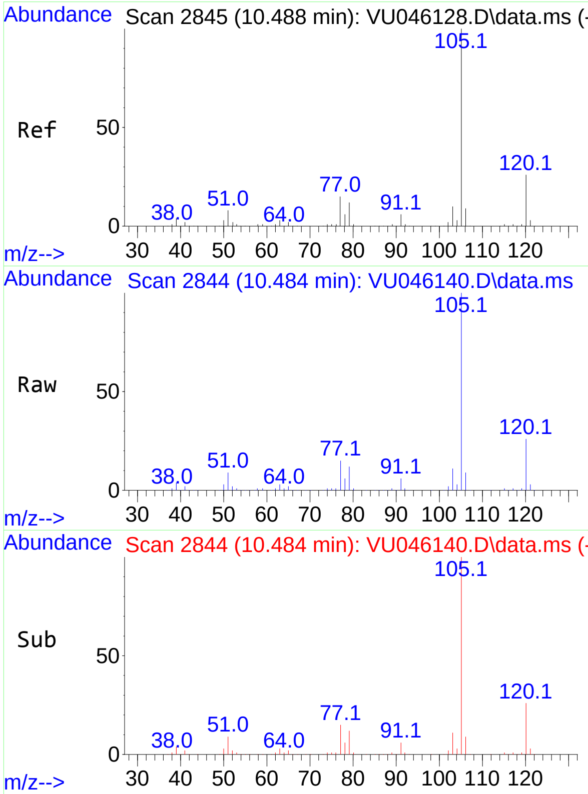


#55
Styrene
Concen: 164.314 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:104 Resp: 181248

Ion	Ratio	Lower	Upper
104	100		
78	59.5	32.6	60.5

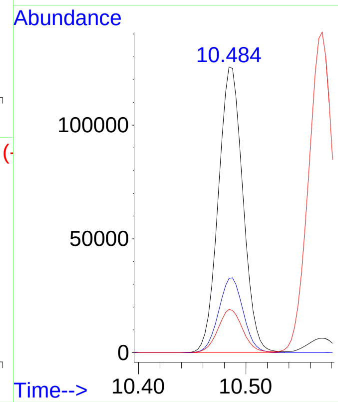


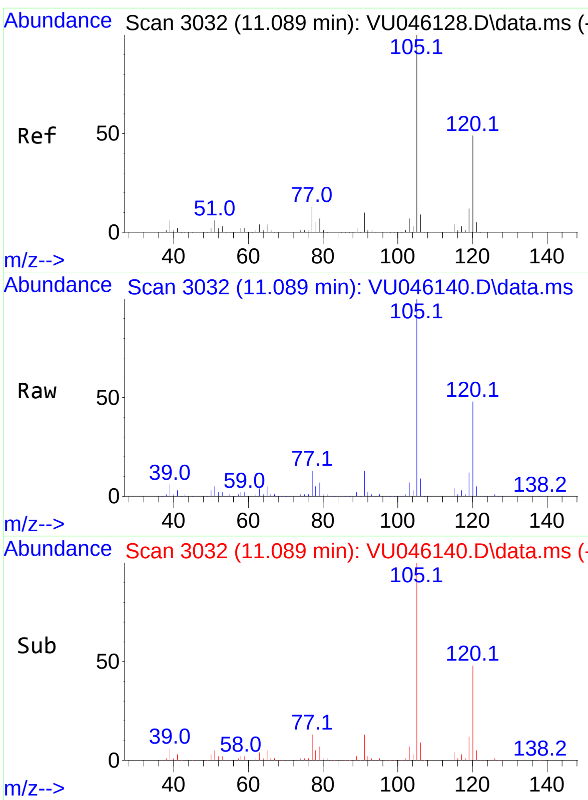


#61
Isopropylbenzene
Concen: 111.891 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:105 Resp: 199897

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.7	31.1
77	15.0	12.2	18.4

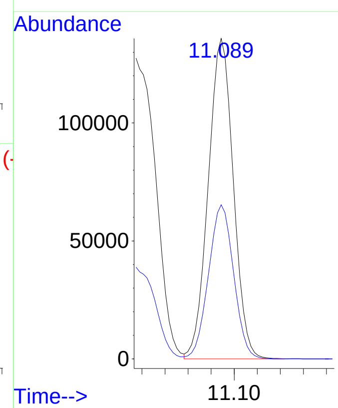


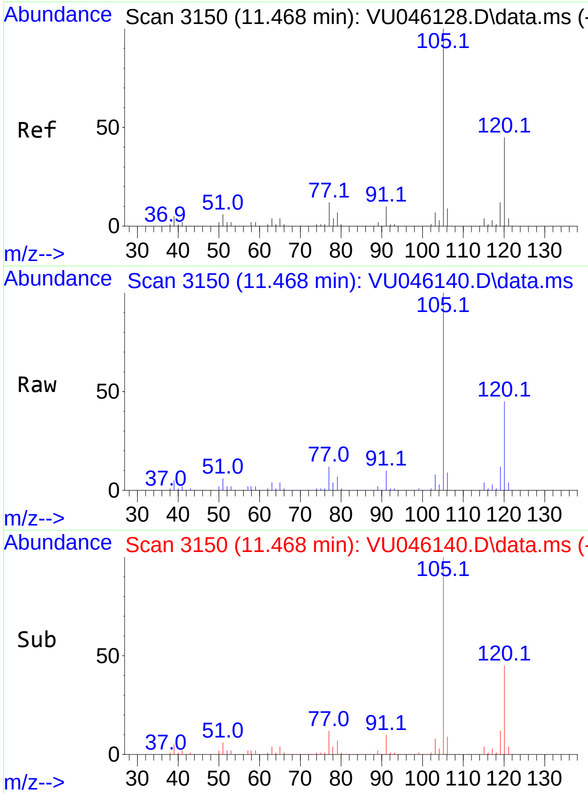


#62
1,3,5-Trimethylbenzene
Concen: 137.766 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:105 Resp: 205146

Ion	Ratio	Lower	Upper
105	100		
120	48.2	37.8	56.6

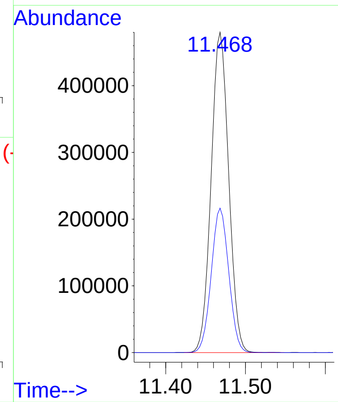


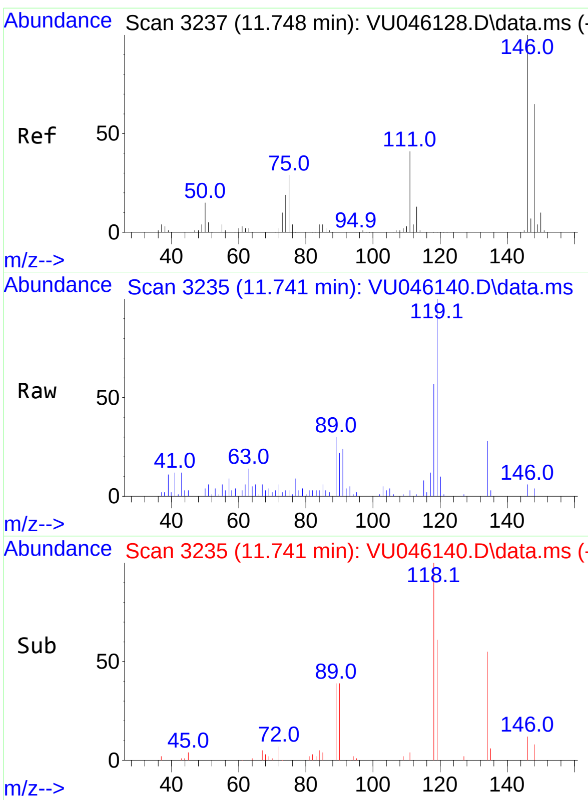


#63
1,2,4-Trimethylbenzene
Concen: 493.990 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:105 Resp: 735956

Ion	Ratio	Lower	Upper
105	100		
120	45.0	35.2	52.8

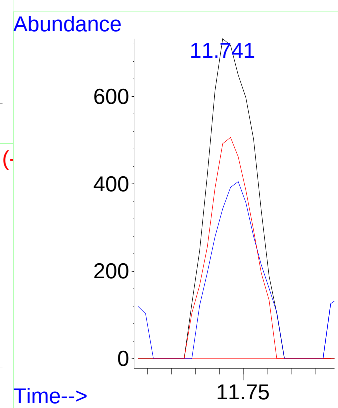


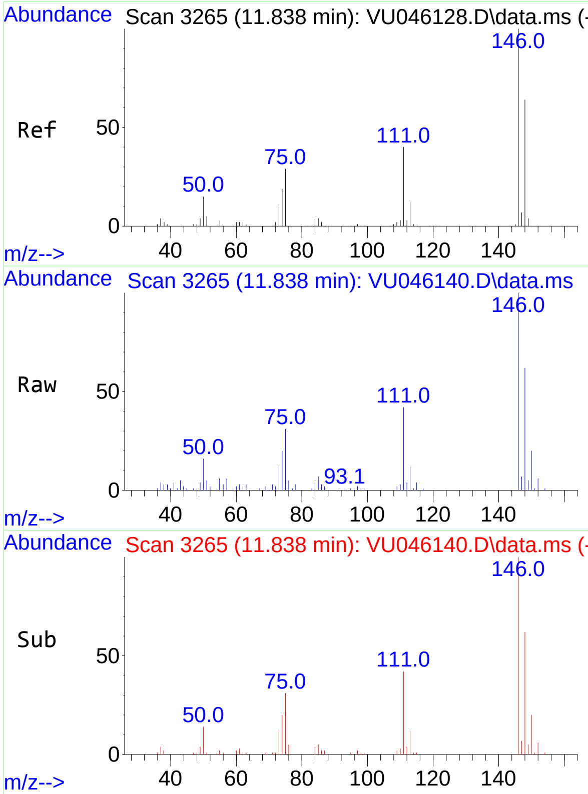


#64
1,3-Dichlorobenzene
Concen: 1.190 ug/L
RT: 11.741 min Scan# 3235
Delta R.T. -0.007 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:146 Resp: 1010

Ion	Ratio	Lower	Upper
146	100		
111	46.9	29.5	54.9
148	67.2	45.9	85.3

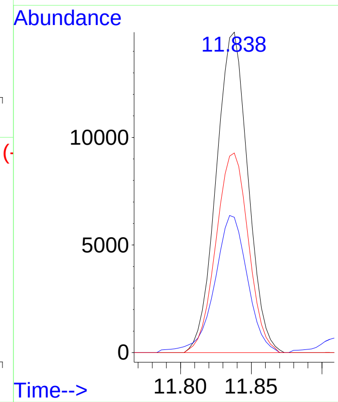


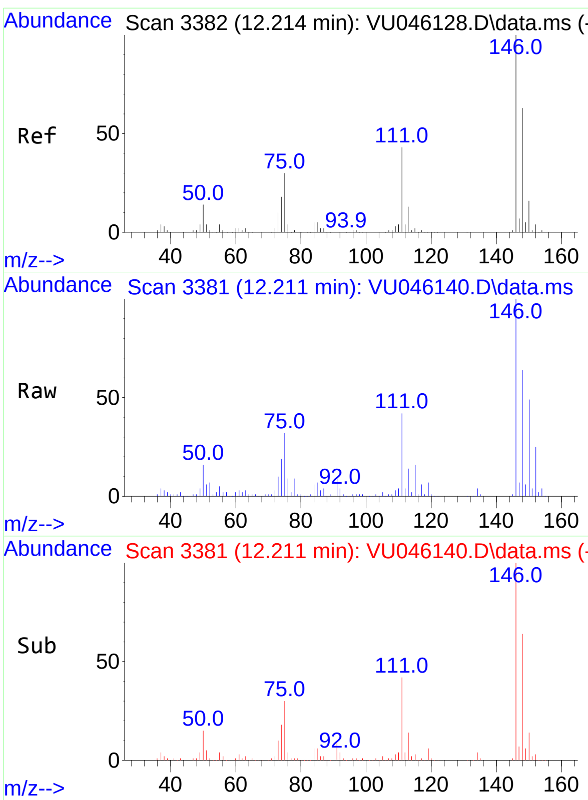


#65
1,4-Dichlorobenzene
Concen: 26.564 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:146 Resp: 23298

Ion	Ratio	Lower	Upper
146	100		
111	42.2	28.3	52.7
148	62.3	43.8	81.3

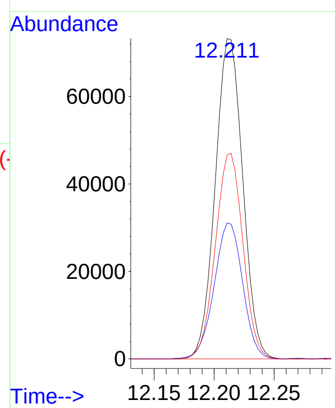


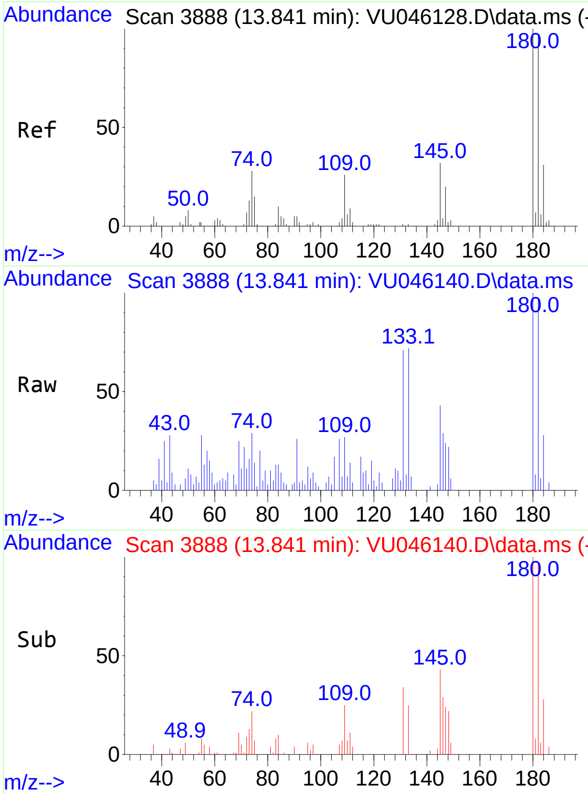


#67
1,2-Dichlorobenzene
Concen: 137.090 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:146 Resp: 117156

Ion	Ratio	Lower	Upper
146	100		
111	42.4	35.7	53.5
148	63.7	51.2	76.8

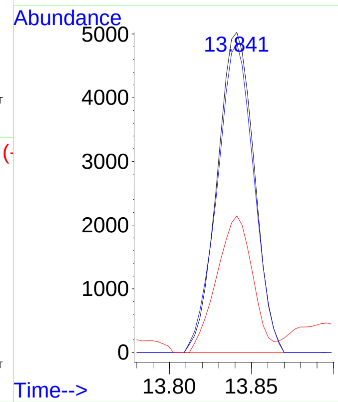


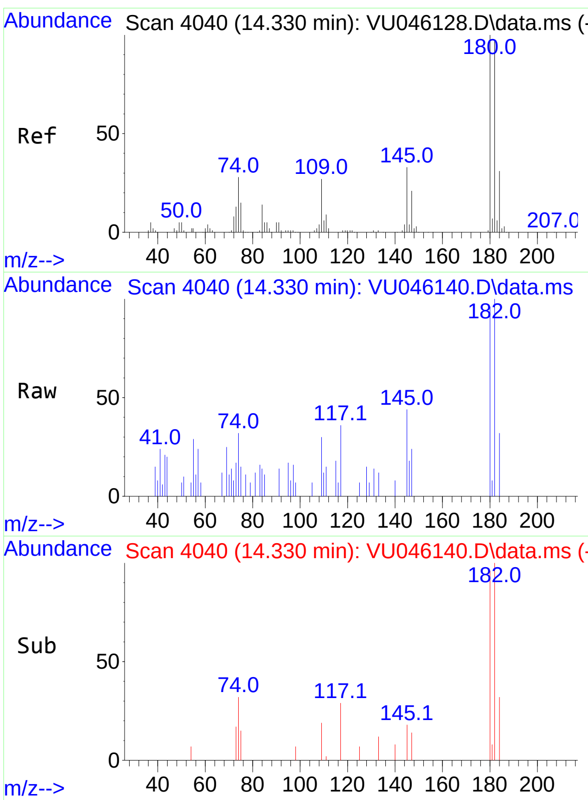


#70
1,2,4-trichlorobenzene
Concen: 14.346 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:180 Resp: 7872

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.7	115.1
145	41.5	26.0	39.0#





#72
1,2,3-Trichlorobenzene
Concen: 4.180 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU046140.D
Acq: 07 Dec 2021 15:03

Tgt Ion:180 Resp: 2339

Ion	Ratio	Lower	Upper
180	100		
182	101.9	76.0	114.0
145	74.9	27.3	40.9#