Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
Data File : VU052036.D
Acq On : 22 Nov 2022 11:43
Operator : JC/MD
Sample : N5716-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Quant Time: Nov 23 03:26:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 22 07:34:37 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	474473	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	477661	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	216577	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	175782	42.752	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 85.500%			
7) Chloroethane-d5	1.893	69	143898	44.191	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.380%			
11) 1,1-Dichloroethene-d2	2.562	63	207992	34.127	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 68.260%			
21) 2-Butanone-d5	4.617	46	254357	102.945	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 102.950%			
24) Chloroform-d	5.060	84	308693	45.823	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.640%			
26) 1,2-Dichloroethane-d4	5.697	65	196032	48.383	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.760%			
32) Benzene-d6	5.723	84	656083	46.081	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.160%			
36) 1,2-Dichloropropane-d6	6.687	67	214261	46.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.680%			
41) Toluene-d8	7.896	98	609922	47.947	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.900%			
43) trans-1,3-Dichloroprop...	8.176	79	88883	45.648	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.300%			
47) 2-Hexanone-d5	8.629	63	194119	108.795	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 108.800%			
56) 1,1,2,2-Tetrachloroeth...	10.755	84	355479	49.125	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.240%			
66) 1,2-Dichlorobenzene-d4	12.189	152	224079	50.032	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	62245	24.438	ug/L	99
3) Chloromethane	1.524	50	182700	50.052	ug/L	99
6) Bromomethane	1.832	94	55150	29.317	ug/L	98
9) Trichlorofluoromethane	2.131	101	138689	30.955	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	123907	43.072	ug/L	99
13) Acetone	2.620	43	861130	381.523	ug/L	99
15) Methyl Acetate	2.942	43	421553	116.987	ug/L	99
16) Methylene chloride	3.044	84	97388	23.274	ug/L	98
18) Methyl tert-butyl Ether	3.360	73	1171364	123.368	ug/L	100
22) 2-Butanone	4.697	43	162845	57.865	ug/L	97
27) 1,2-Dichloroethane	5.790	62	393718	84.574	ug/L	100
29) Cyclohexane	5.385	56	99686	23.799	ug/L	100
34) Trichloroethene	6.536	95	145756	44.146	ug/L	96
35) Methylcyclohexane	6.761	83	342918	75.781	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	819217	162.931	ug/L	99
42) Toluene	7.967	91	1051071	71.881	ug/L	98
46) Tetrachloroethene	8.549	164	54722	21.969	ug/L	97
48) 2-Hexanone	8.681	43	493147	118.522	ug/L	100
51) Chlorobenzene	9.443	112	270541	28.120	ug/L	98

Quantitation Report (LSC Reviewed)

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Acq On : 22 Nov 2022 11:43
Operator : JC/MD
Sample : N5716-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Quant Time: Nov 23 03:26:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 22 07:34:37 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.568	91	512368	34.414	ug/L	100
53) m,p-Xylene	9.687	106	590511	102.654	ug/L	98
54) o-Xylene	10.099	106	286363	49.200	ug/L	98
55) Styrene	10.112	104	732302	74.266	ug/L	97
61) Isopropylbenzene	10.481	105	884208	66.908	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	147032	22.525	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	165221	24.615	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	74640	21.726	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	249600	67.062	ug/L	99

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

Quantitation Report (LSC Reviewed)

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ClientSampleId :
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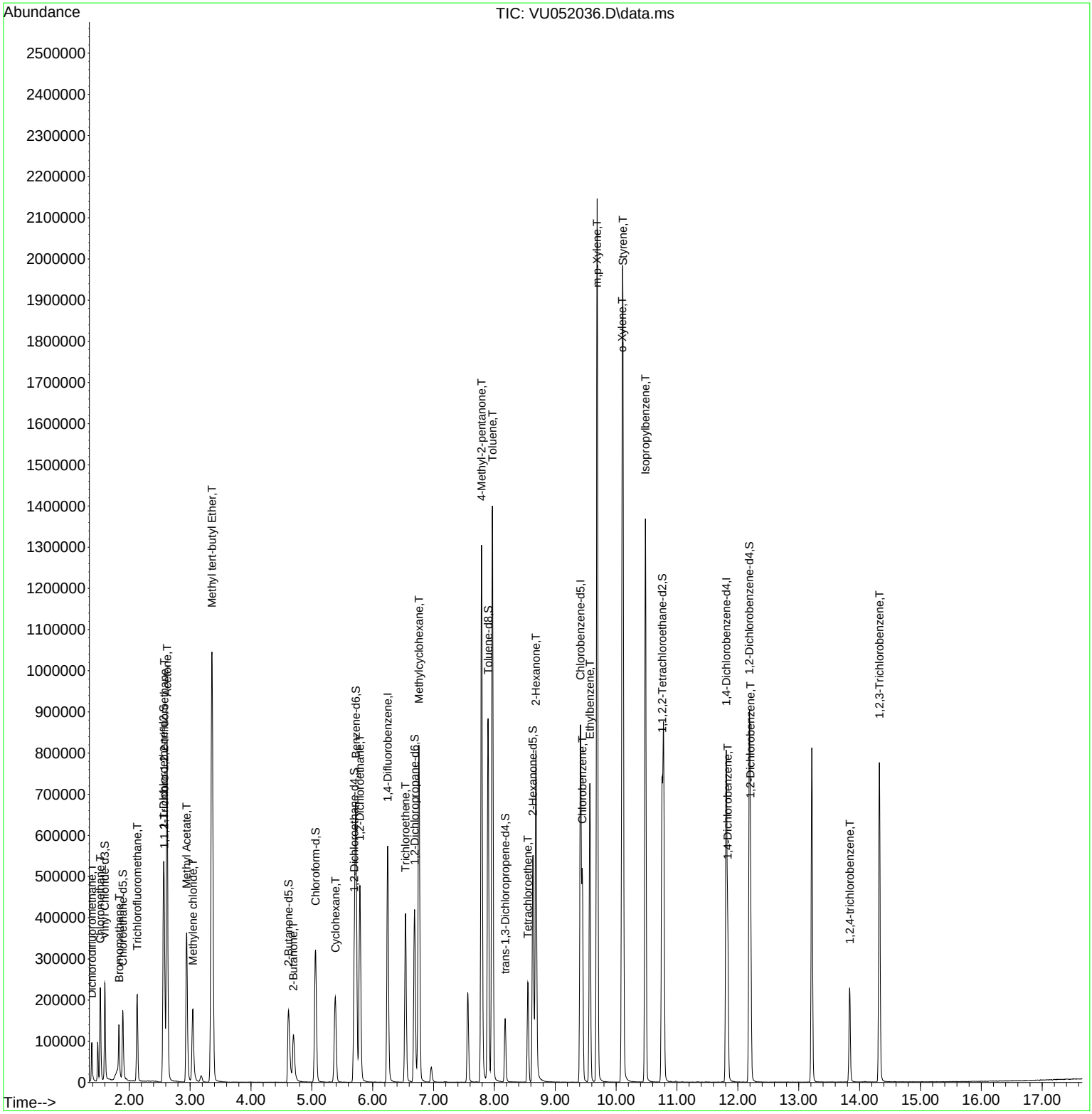
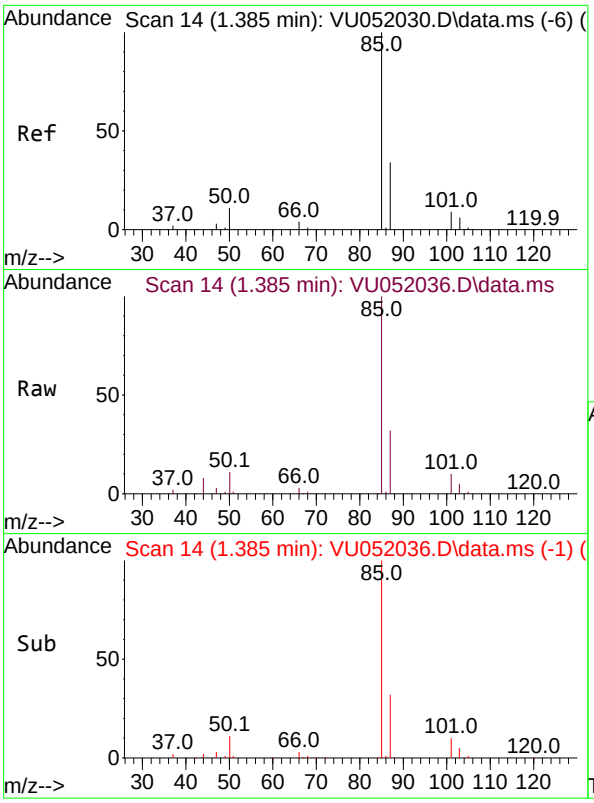
Quant Time: Nov 23 03:26:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 22 07:34:37 2022
Response via : Initial Calibration



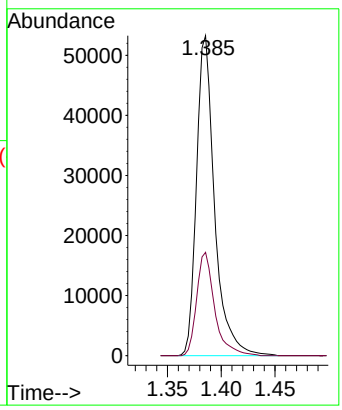


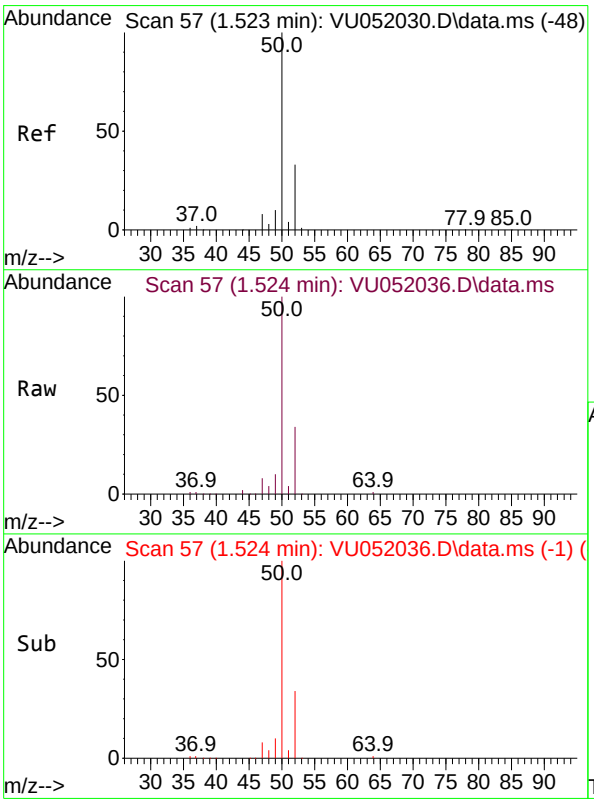
#2
Dichlorodifluoromethane
Concen: 24.438 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion: 85 Resp: 62245

Ion	Ratio	Lower	Upper
85	100		
87	32.1	25.9	38.9

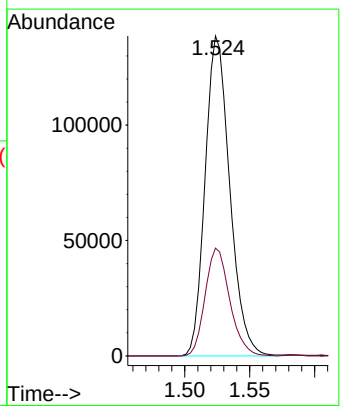


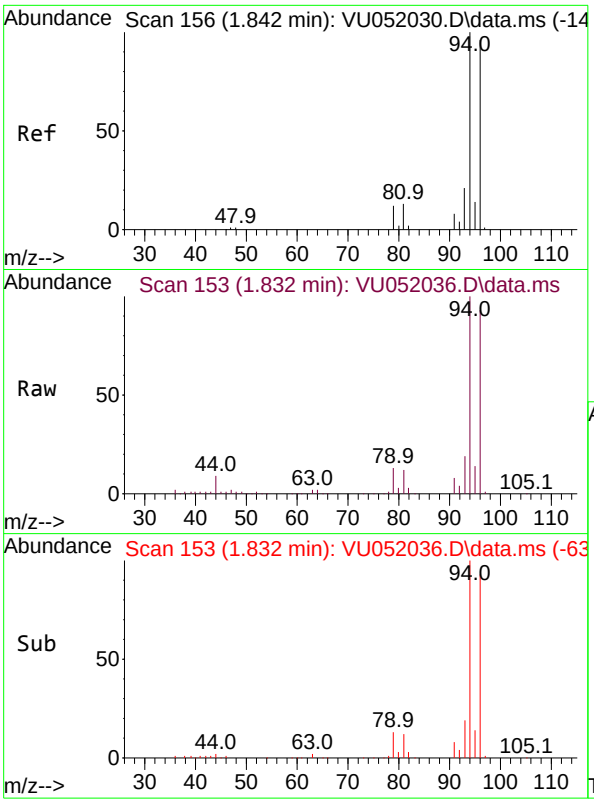


#3
Chloromethane
Concen: 50.052 ug/L
RT: 1.524 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion: 50 Resp: 182700

Ion	Ratio	Lower	Upper
50	100		
52	33.7	23.1	42.9



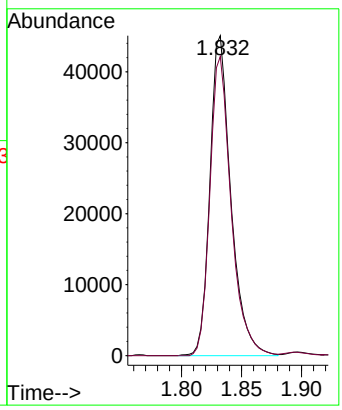


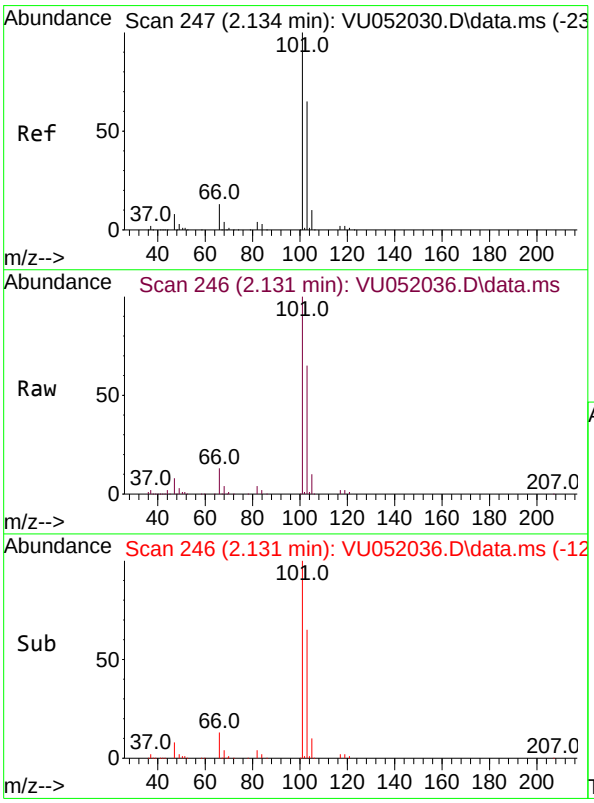
#6
Bromomethane
Concen: 29.317 ug/L
RT: 1.832 min Scan# 1
Delta R.T. -0.009 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion: 94 Resp: 55150

Ion	Ratio	Lower	Upper
94	100		
96	93.5	66.8	124.0

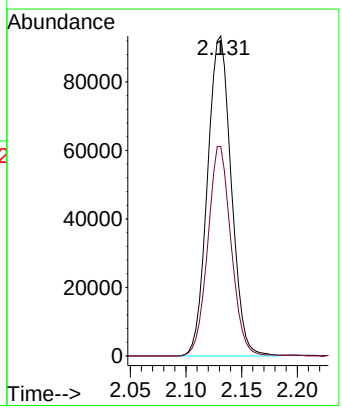


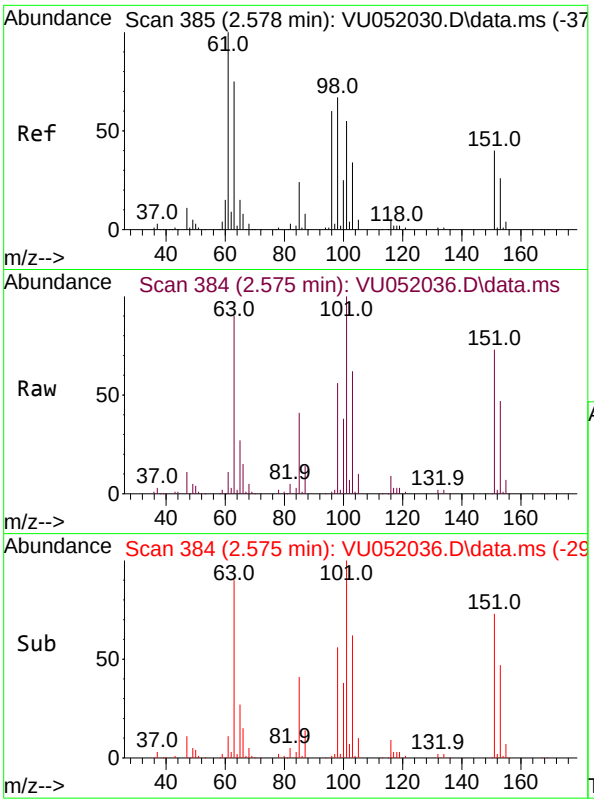


#9
Trichlorofluoromethane
Concen: 30.955 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion:101 Resp: 138689

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.5	77.3



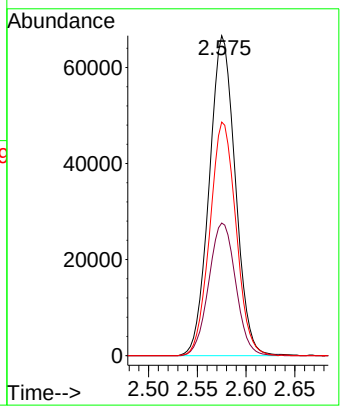


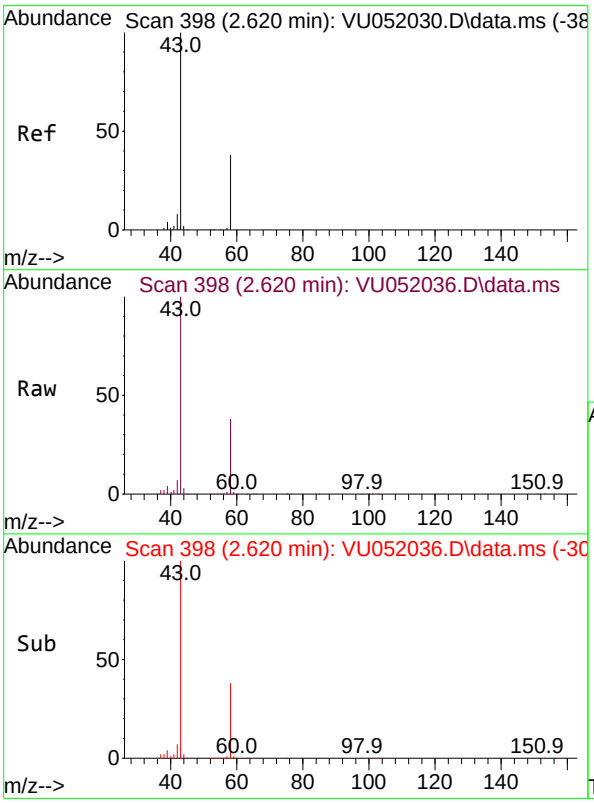
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.072 ug/L
RT: 2.575 min Scan# 38
Delta R.T. -0.003 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion:101 Resp: 123907

Ion	Ratio	Lower	Upper
101	100		
85	42.8	33.6	50.4
151	73.4	58.9	88.3

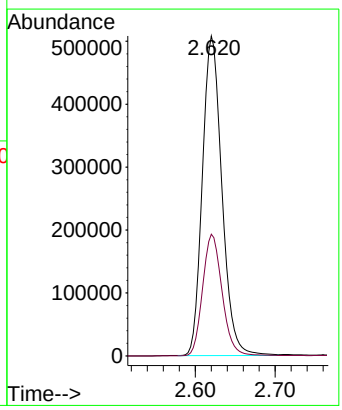


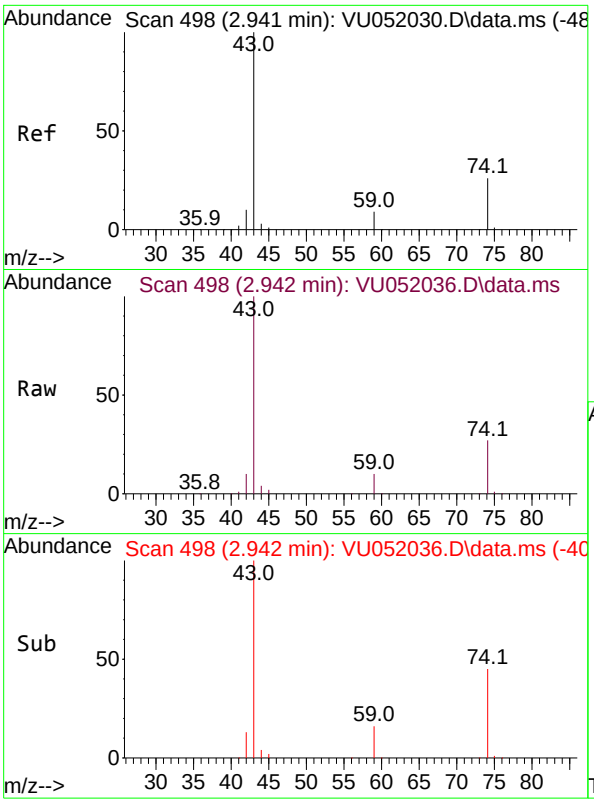


#13
Acetone
Concen: 381.523 ug/L
RT: 2.620 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion: 43 Resp: 861130

Ion	Ratio	Lower	Upper
43	100		
58	37.9	0.0	76.6



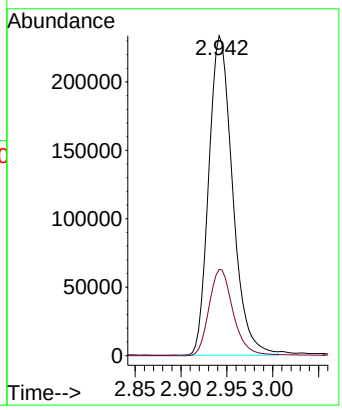


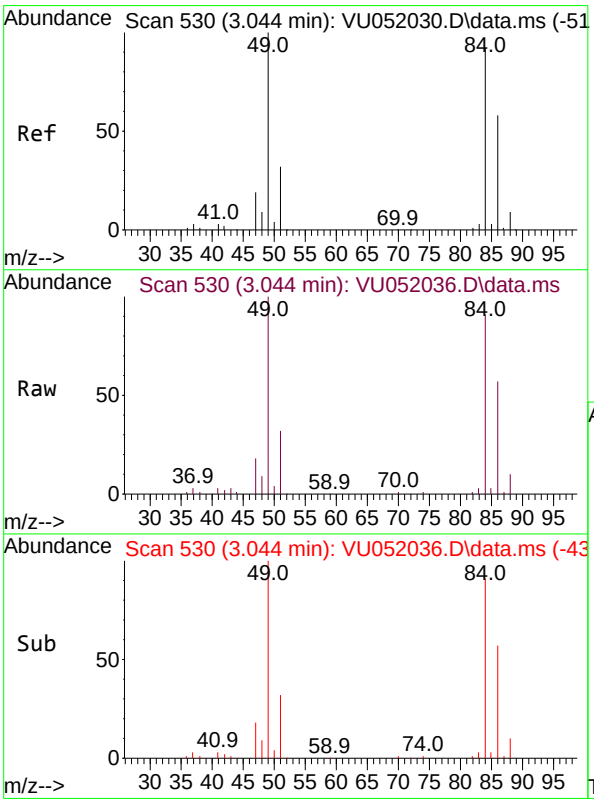
#15
Methyl Acetate
Concen: 116.987 ug/L
RT: 2.942 min Scan# 49
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion: 43 Resp: 421553

Ion	Ratio	Lower	Upper
43	100		
74	27.4	22.2	33.4

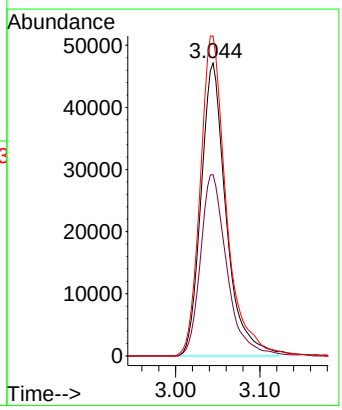


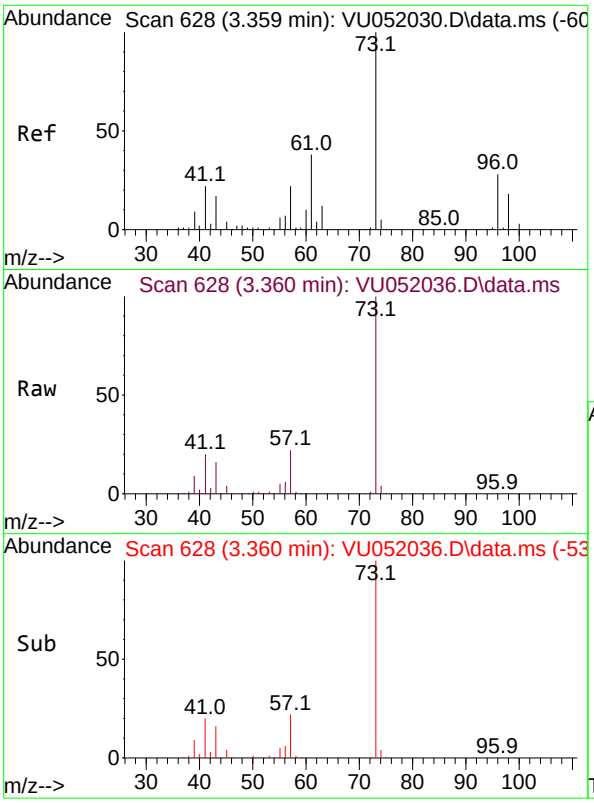


#16
Methylene chloride
Concen: 23.274 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion: 84 Resp: 97388

Ion	Ratio	Lower	Upper
84	100		
86	61.9	45.2	84.0
49	109.3	75.9	141.1



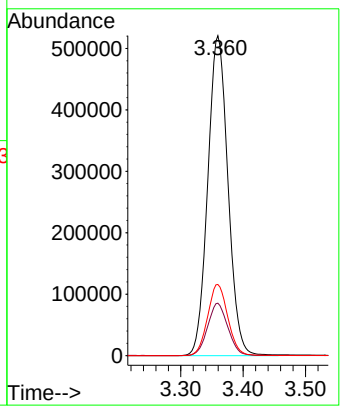


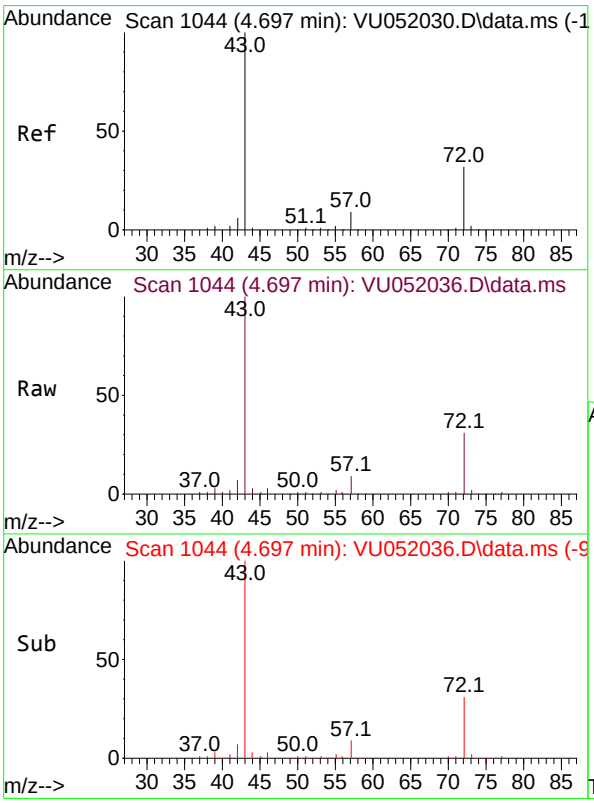
#18
Methyl tert-butyl Ether
Concen: 123.368 ug/L
RT: 3.360 min Scan# 6
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion: 73 Resp: 1171364

Ion	Ratio	Lower	Upper
73	100		
43	16.3	13.1	19.7
57	22.3	17.8	26.6

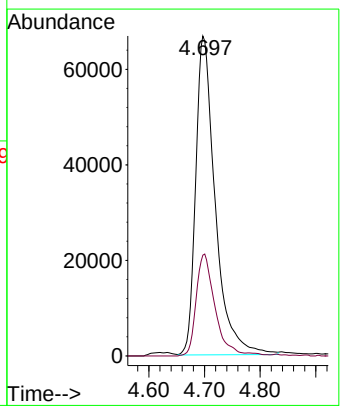


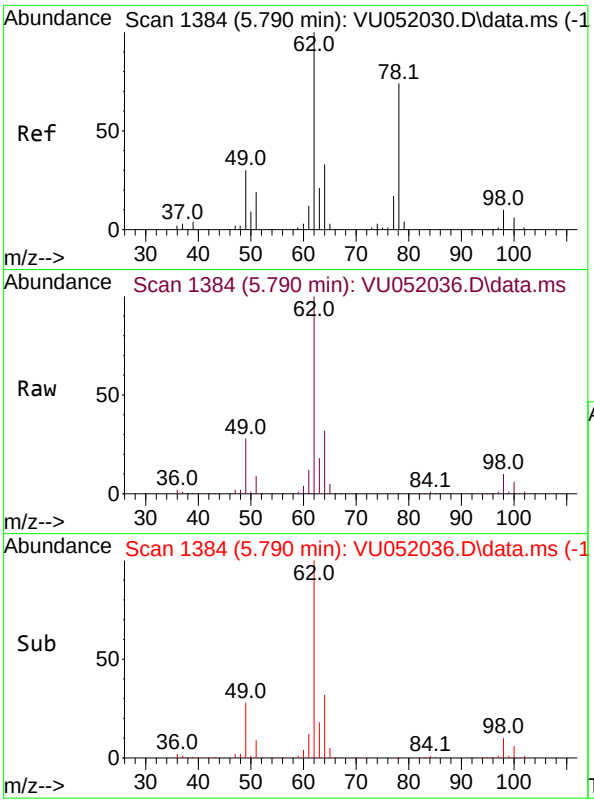


#22
2-Butanone
Concen: 57.865 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion: 43 Resp: 162845

Ion	Ratio	Lower	Upper
43	100		
72	30.3	15.9	47.7



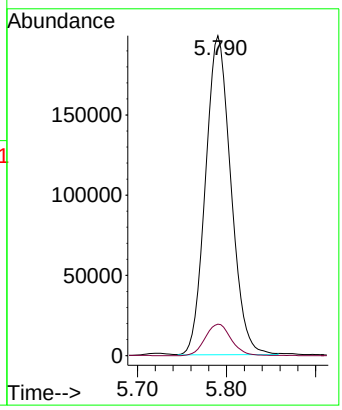


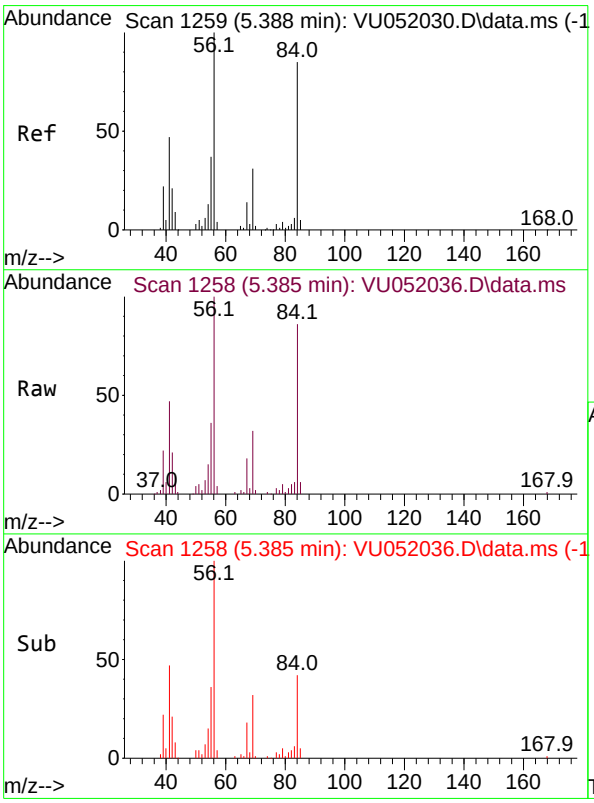
#27
1,2-Dichloroethane
Concen: 84.574 ug/L
RT: 5.790 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion: 62 Resp: 393718

Ion	Ratio	Lower	Upper
62	100		
98	9.8	7.9	11.9

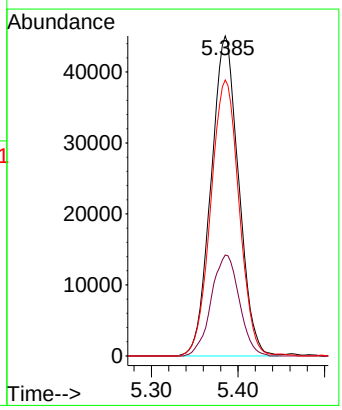


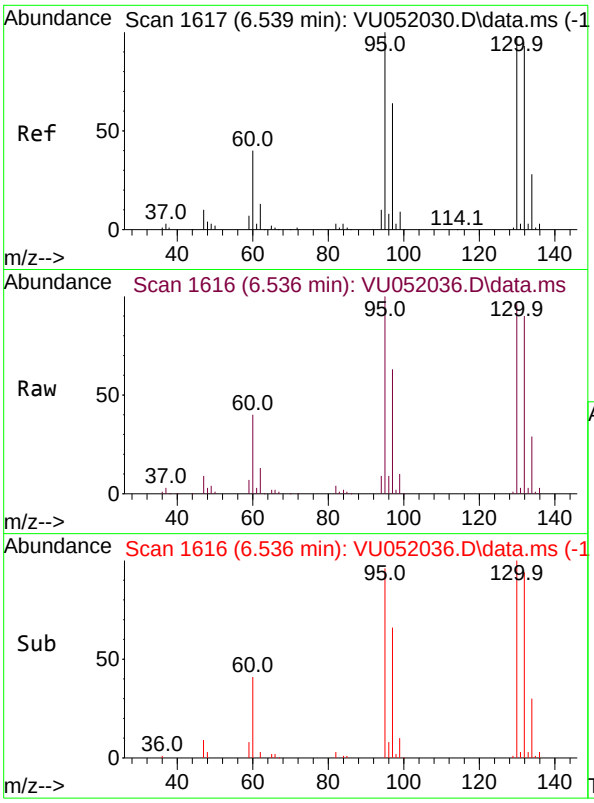


#29
Cyclohexane
Concen: 23.799 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion: 56 Resp: 99686

Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.7	38.5
84	88.2	70.2	105.2



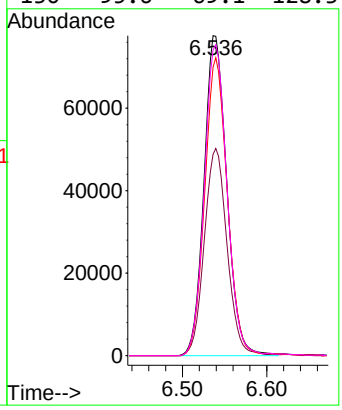


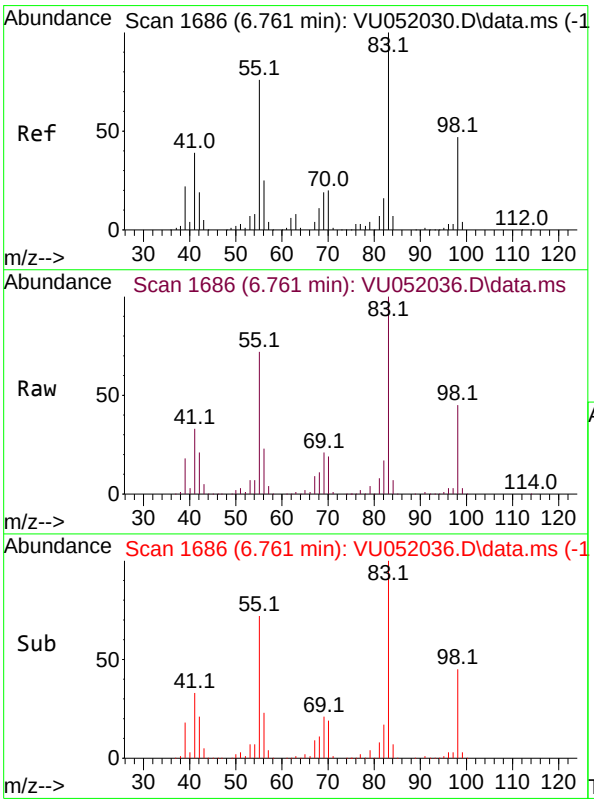
#34
Trichloroethene
Concen: 44.146 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion: 95 Resp: 145756

Ion	Ratio	Lower	Upper
95	100		
97	62.9	45.3	84.1
132	90.2	66.8	124.2
130	95.6	69.1	128.3

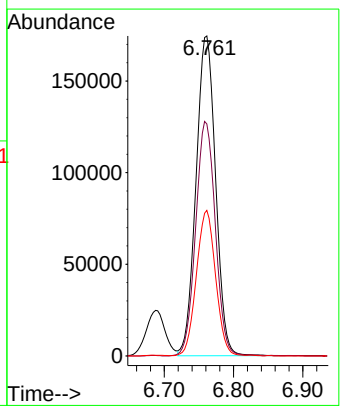


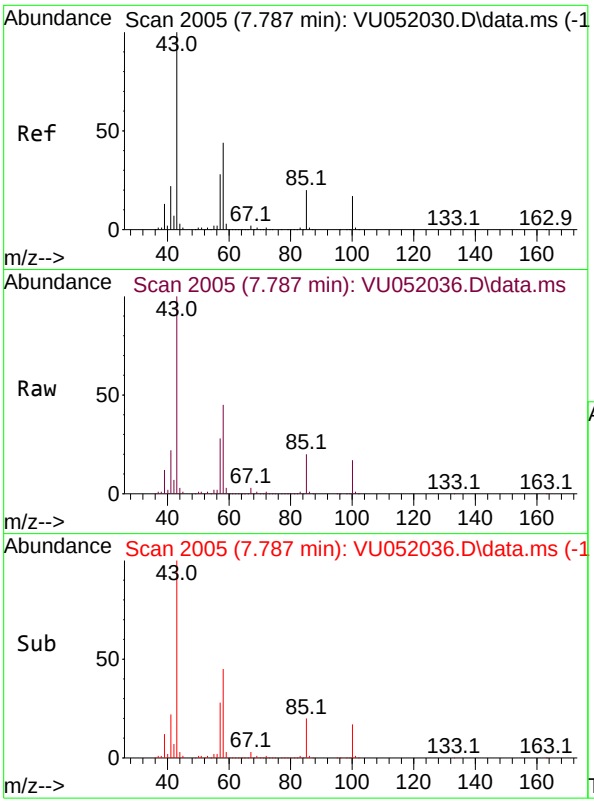


#35
Methylcyclohexane
Concen: 75.781 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion: 83 Resp: 342918

Ion	Ratio	Lower	Upper
83	100		
55	73.5	59.0	88.6
98	44.4	36.0	54.0



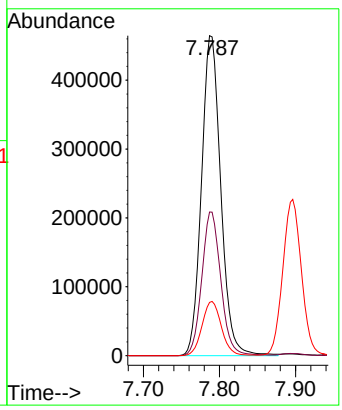


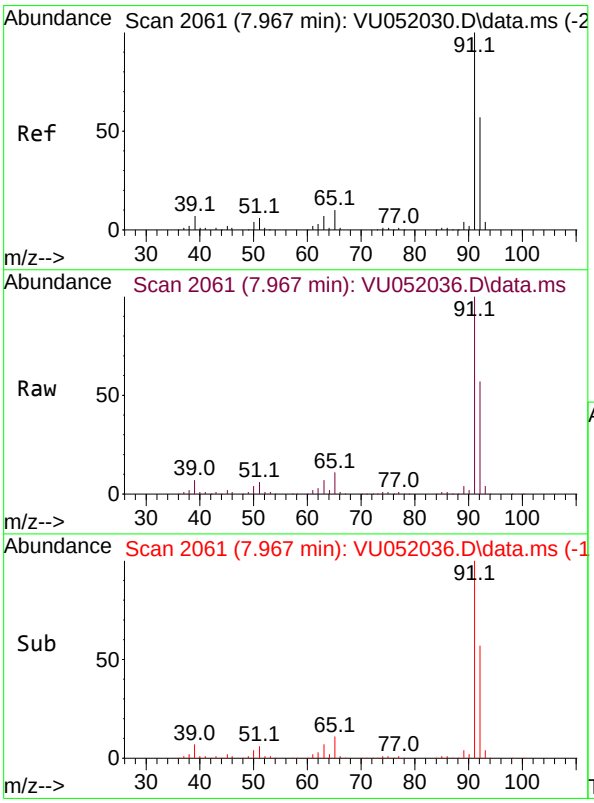
#40
4-Methyl-2-pentanone
Concen: 162.931 ug/L
RT: 7.787 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion: 43 Resp: 819217

Ion	Ratio	Lower	Upper
43	100		
58	44.2	35.8	53.6
100	17.0	13.5	20.3

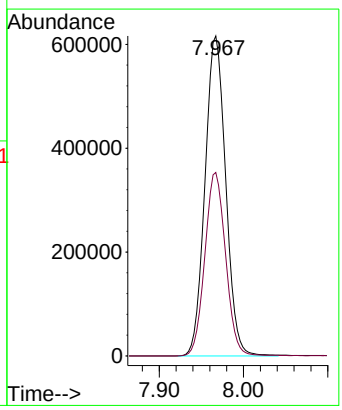


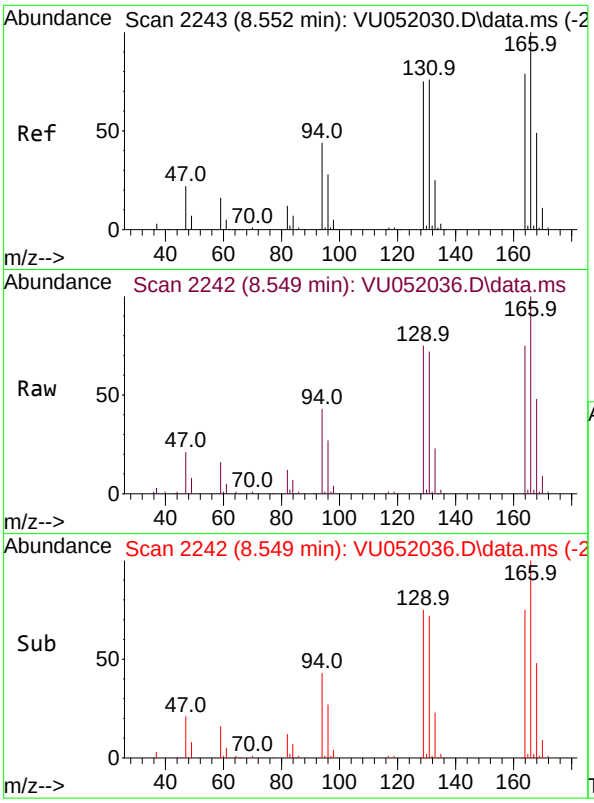


#42
Toluene
Concen: 71.881 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion: 91 Resp: 1051071

Ion	Ratio	Lower	Upper
91	100		
92	57.3	39.2	72.8



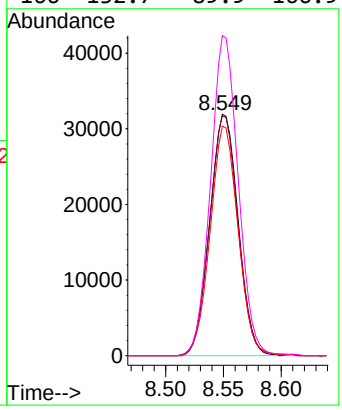


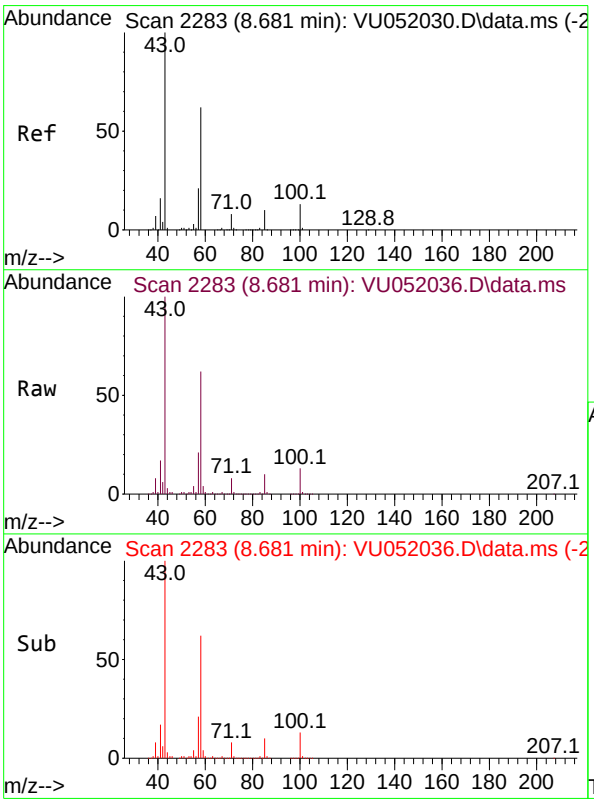
#46
Tetrachloroethene
Concen: 21.969 ug/L
RT: 8.549 min Scan# 2
Delta R.T. -0.003 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion:164 Resp: 54722

Ion	Ratio	Lower	Upper
164	100		
129	99.5	67.3	124.9
131	95.2	65.2	121.2
166	132.7	89.9	166.9

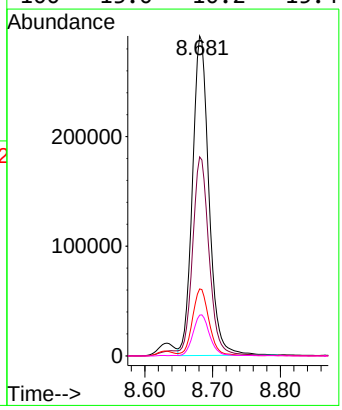


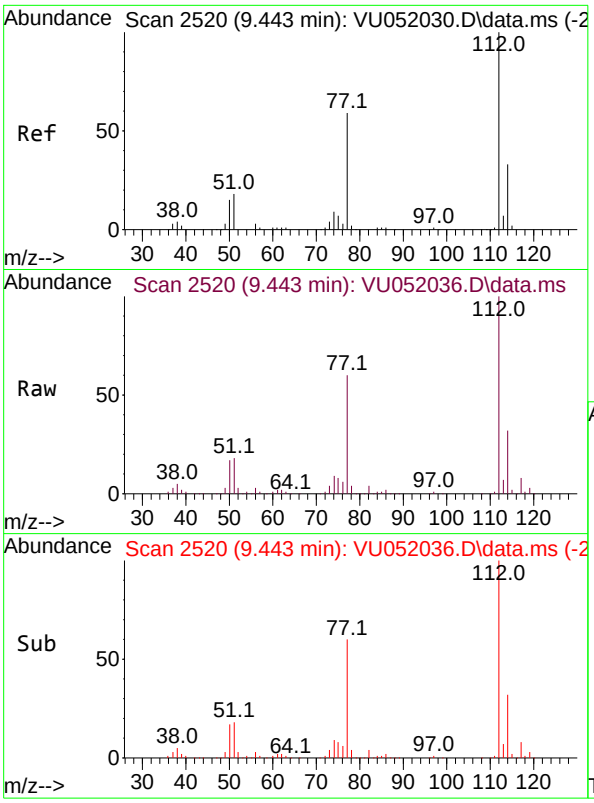


#48
2-Hexanone
Concen: 118.522 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion: 43 Resp: 493147

Ion	Ratio	Lower	Upper
43	100		
58	62.0	49.6	74.4
57	20.8	16.8	25.2
100	13.0	10.2	15.4



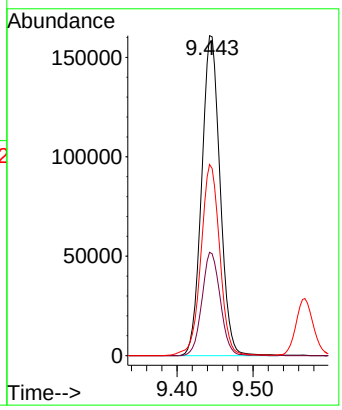


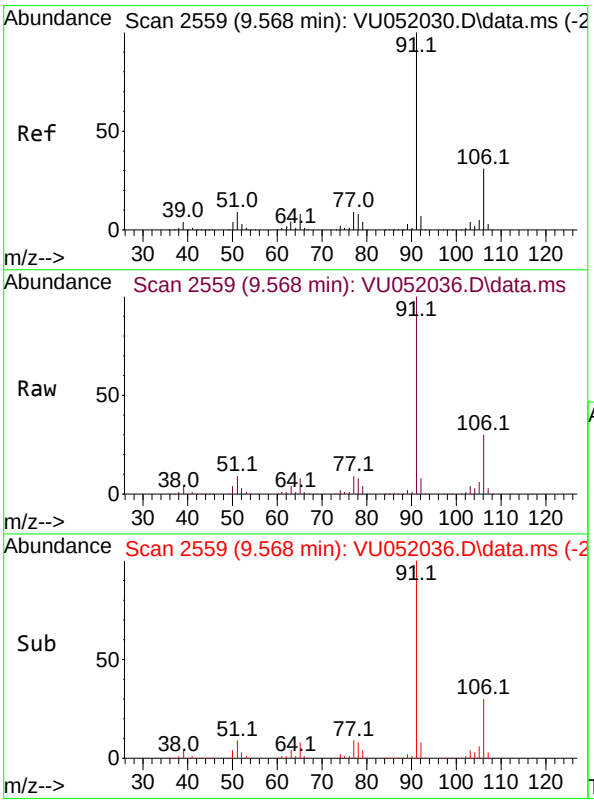
#51
Chlorobenzene
Concen: 28.120 ug/L
RT: 9.443 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion:112 Resp: 270541

Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.2	41.2
77	59.7	46.5	69.7

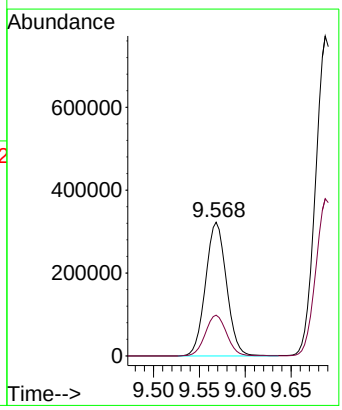


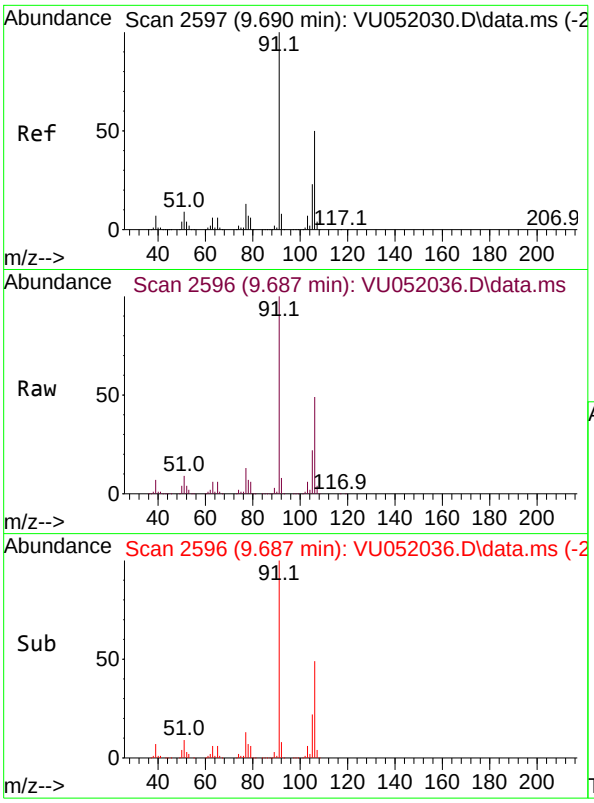


#52
Ethylbenzene
Concen: 34.414 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion: 91 Resp: 512368

Ion	Ratio	Lower	Upper
91	100		
106	30.4	21.2	39.4



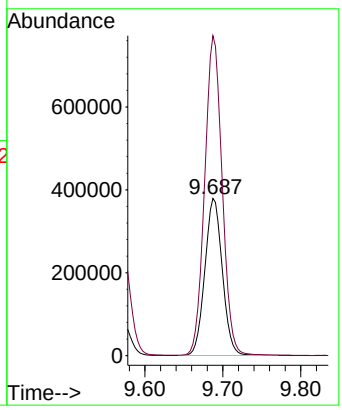


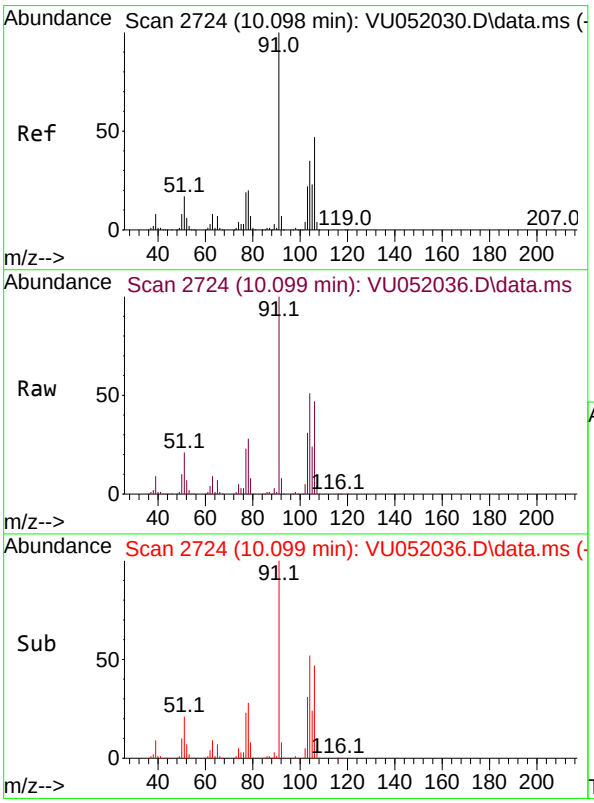
#53
m,p-Xylene
Concen: 102.654 ug/L
RT: 9.687 min Scan# 2
Delta R.T. -0.003 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion:106 Resp: 590511

Ion	Ratio	Lower	Upper
106	100		
91	203.6	140.3	260.6

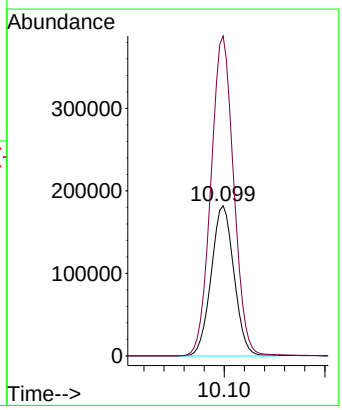


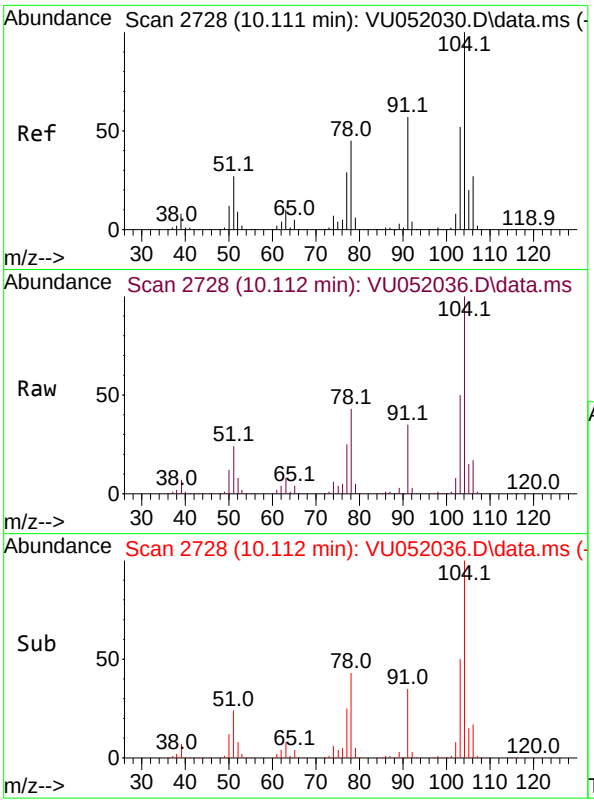


#54
o-Xylene
Concen: 49.200 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion:106 Resp: 286363

Ion	Ratio	Lower	Upper
106	100		
91	213.1	146.7	272.4



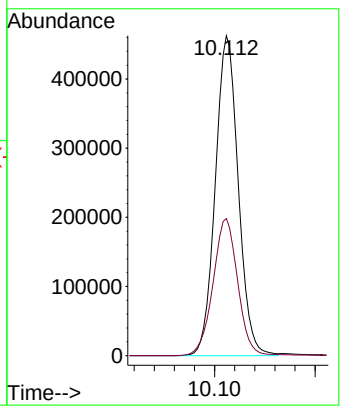


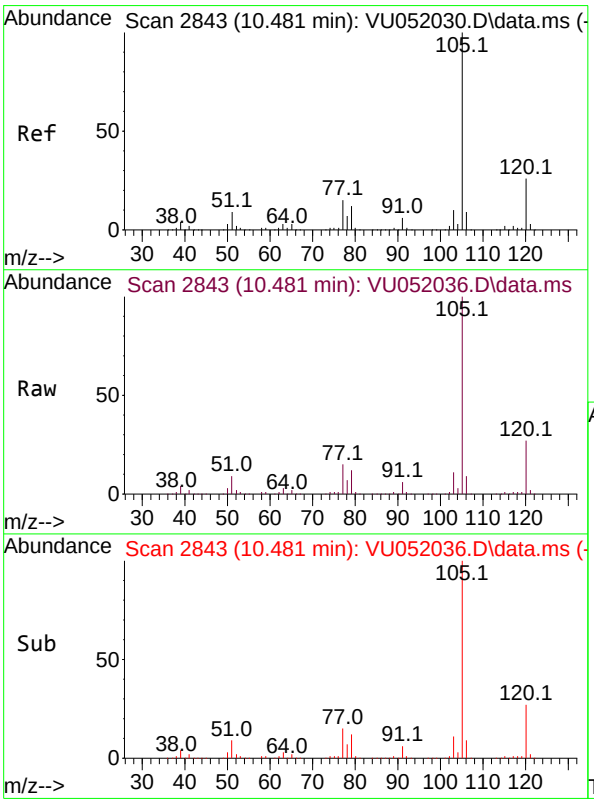
#55
Styrene
Concen: 74.266 ug/L
RT: 10.112 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion:104 Resp: 732302

Ion	Ratio	Lower	Upper
104	100		
78	42.9	31.2	58.0

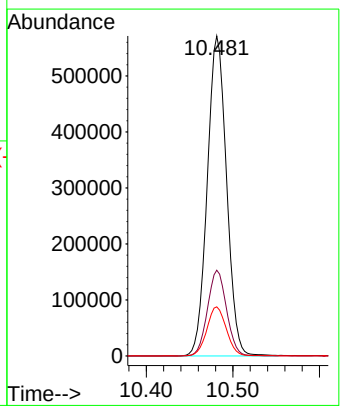


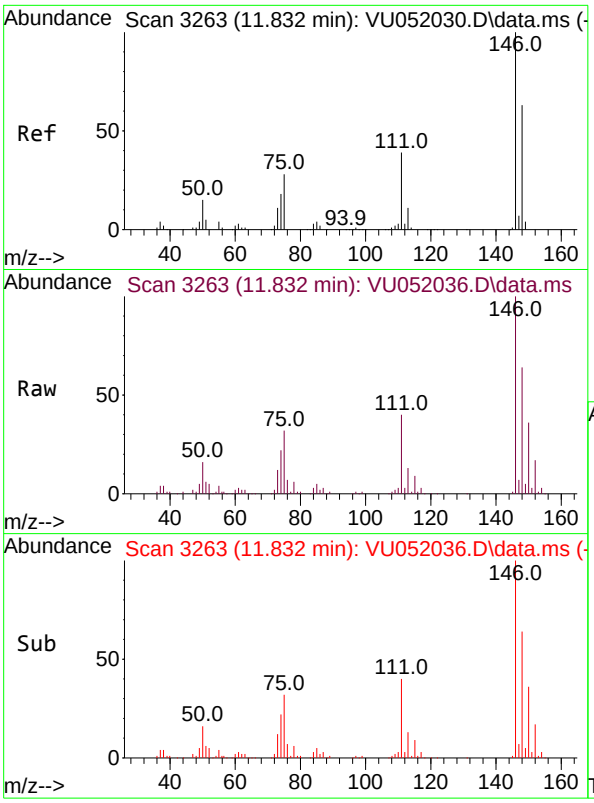


#61
Isopropylbenzene
Concen: 66.908 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion:105 Resp: 884208

Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.1	31.7
77	15.4	12.4	18.6



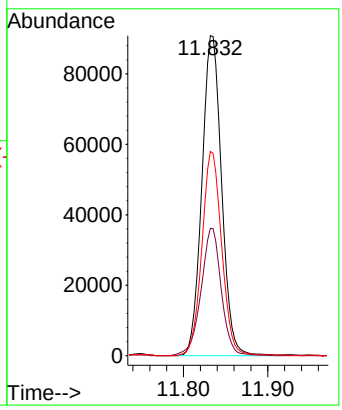


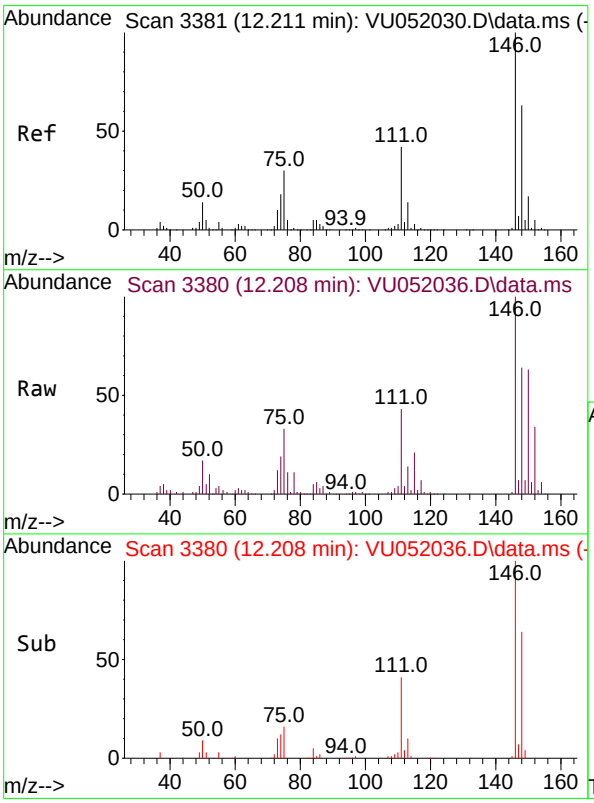
#65
1,4-Dichlorobenzene
Concen: 22.525 ug/L
RT: 11.832 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion:146 Resp: 147032

Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.6	51.2
148	63.8	44.8	83.2

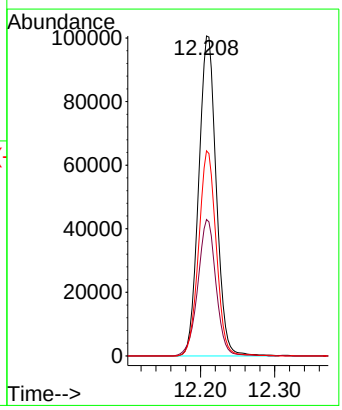


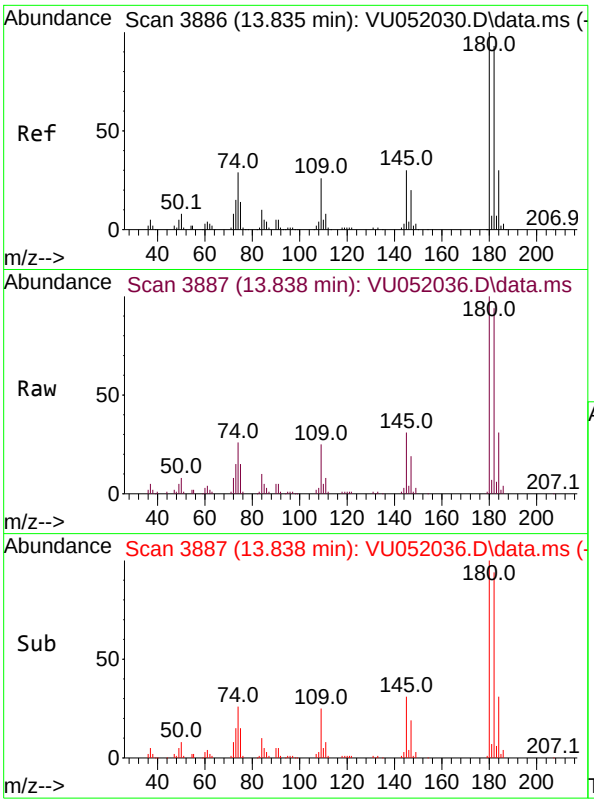


#67
1,2-Dichlorobenzene
Concen: 24.615 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion:146 Resp: 165221

Ion	Ratio	Lower	Upper
146	100		
111	42.6	34.2	51.4
148	64.1	52.6	79.0



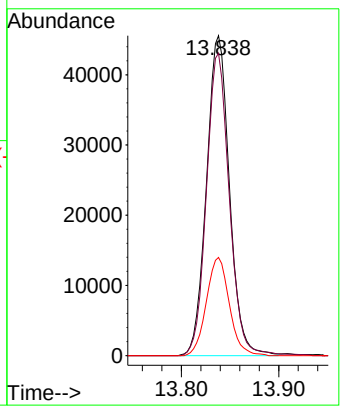


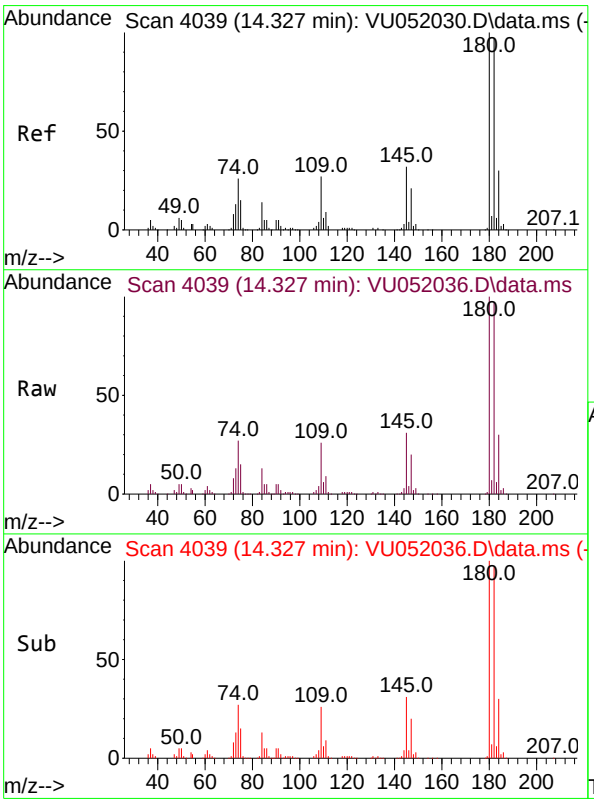
#70
1,2,4-trichlorobenzene
Concen: 21.726 ug/L
RT: 13.838 min Scan# 3
Delta R.T. 0.004 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Instrument :
MSVOA_U
ClientSampleId :
A0B26

Tgt Ion:180 Resp: 74640

Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.4	113.2
145	30.6	23.4	35.0





#72
1,2,3-Trichlorobenzene
Concen: 67.062 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU052036.D
Acq: 22 Nov 2022 11:43

Tgt Ion:180 Resp: 249600

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
145	31.6	25.8	38.6