Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092623\
Data File : VU055518.D
Acq On : 26 Sep 2023 15:46
Operator : MD/SY
Sample : 04610-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 27 04:49:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 27 04:44:22 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	289852	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	291040	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	154975	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	137102	4.680	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 93.600%			
7) Chloroethane-d5	1.911	69	105713	4.095	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 81.800%			
11) 1,1-Dichloroethene-d2	2.564	65	55025	4.563	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 91.200%			
20) 2-Butanone-d5	4.631	46	238996	45.167	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 90.340%			
24) Chloroform-d	5.059	84	241801	4.563	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.200%			
26) 1,2-Dichloroethane-d4	5.699	65	112653	4.420	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 88.400%			
32) Benzene-d6	5.724	84	485524	4.769	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.400%			
36) 1,2-Dichloropropane-d6	6.689	67	147522	4.850	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.000%			
41) Toluene-d8	7.895	98	424513	4.575	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 91.600%			
43) trans-1,3-Dichloroprop...	8.178	79	54845	5.138	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 102.800%			
46) 2-Hexanone-d5	8.631	63	154945	47.724	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 95.440%			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	105994	4.650	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 93.000%			
66) 1,2-Dichlorobenzene-d4	12.190	152	158050	5.053	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 101.000%			
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	312226	11.658	ug/L	98
12) 1,1-Dichloroethene	2.576	96	351086	17.324	ug/L #	72
16) Methylene chloride	3.039	84	649883	26.766	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	423202	20.719	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	175288	7.402	ug/L	98
27) 1,2-Dichloroethane	5.792	62	94126	3.837	ug/L	96
29) 1,1,1-Trichloroethane	5.313	97	604415	18.217	ug/L	98
31) Carbon tetrachloride	5.522	117	445820	15.676	ug/L	98
33) Benzene	5.769	78	2099613	25.065	ug/L	100
34) Trichloroethene	6.541	95	153935	6.497	ug/L	98
37) 1,2-Dichloropropane	6.789	63	419081	19.130	ug/L	99
42) Toluene	7.965	91	2407119	26.940	ug/L	100
45) 1,1,2-Trichloroethane	8.399	97	83702	5.449	ug/L	98
47) Tetrachloroethene	8.551	164	333189	19.602	ug/L	97
48) 2-Hexanone	8.686	43	24076	3.126	ug/L #	86
49) Dibromochloromethane	8.551	129	334220	20.757	ug/L #	9
51) Chlorobenzene	9.444	112	943969	16.495	ug/L	98
52) Ethylbenzene	9.567	91	2368941	24.731	ug/L	97
53) m,p-Xylene	9.689	106	805153	22.430	ug/L	97

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Operator : MD/SY
Sample : 04610-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 27 04:49:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 27 04:44:22 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) o-Xylene	10.097	106	311748	8.932	ug/L		97
55) Styrene	10.113	104	1611070	28.548	ug/L		99
60) Isopropylbenzene	10.107	105	265178	2.969	ug/L	#	1
61) 1,2,3-Trichloropropane	10.113	75	72189	5.967	ug/L	#	1
62) 1,3,5-Trimethylbenzene	10.107	105	265178	3.712	ug/L	#	29
64) 1,3-Dichlorobenzene	11.833	146	930444	21.759	ug/L		99
65) 1,4-Dichlorobenzene	11.833	146	930444	21.770	ug/L		98
67) 1,2-Dichlorobenzene	12.210	146	927899	23.667	ug/L		99
69) 1,3,5-Trichlorobenzene	13.840	180	219250	7.445	ug/L		99
70) 1,2,4-trichlorobenzene	13.840	180	219250	9.766	ug/L		99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092623\
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ClientSampleId :

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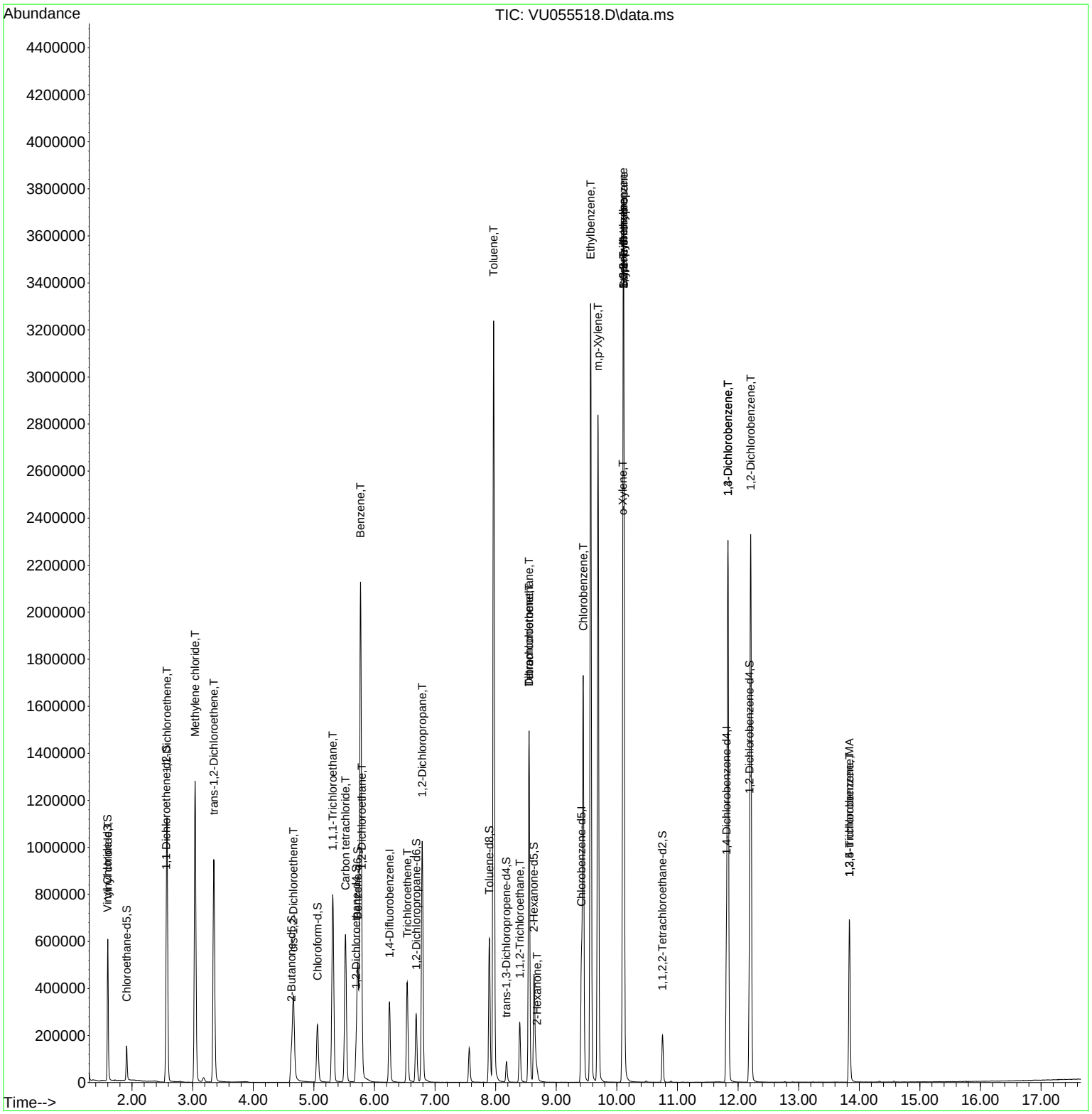
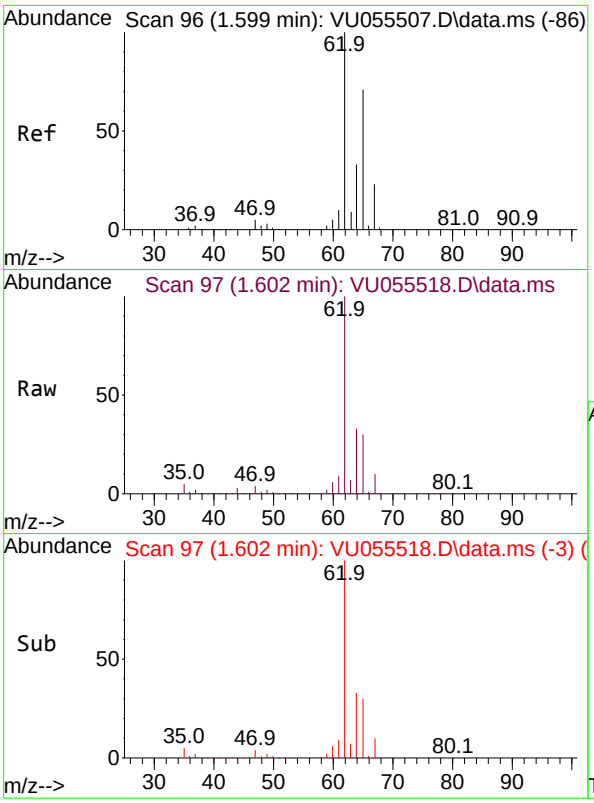
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 27 04:44:22 2023
Response via : Initial Calibration



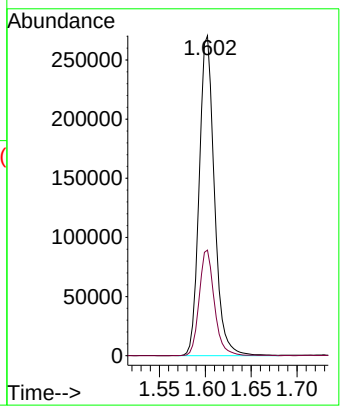


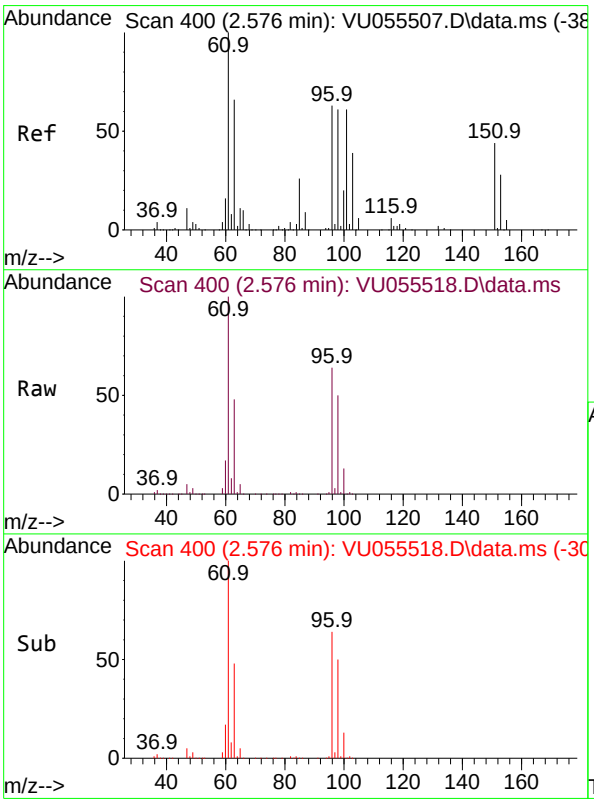
#5
Vinyl chloride
Concen: 11.658 ug/L
RT: 1.602 min Scan# 9
Delta R.T. 0.003 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 62 Resp: 312226

Ion	Ratio	Lower	Upper
62	100		
64	33.0	22.3	41.5

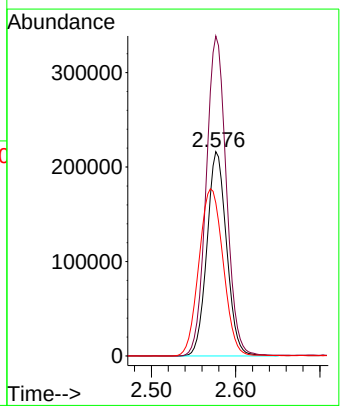


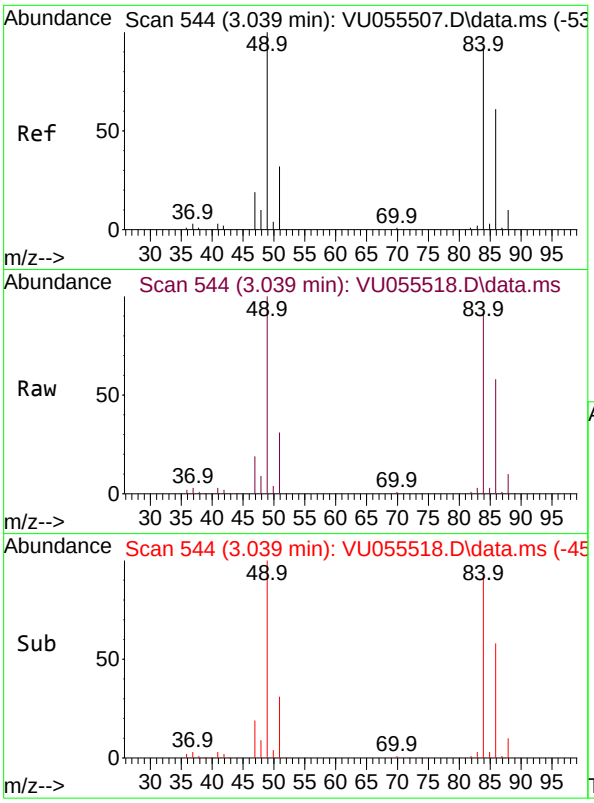


#12
1,1-Dichloroethene
Concen: 17.324 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion: 96 Resp: 351086

Ion	Ratio	Lower	Upper
96	100		
61	156.6	114.5	212.7
63	74.9	98.3	182.5#



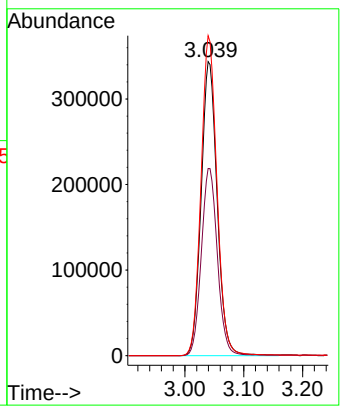


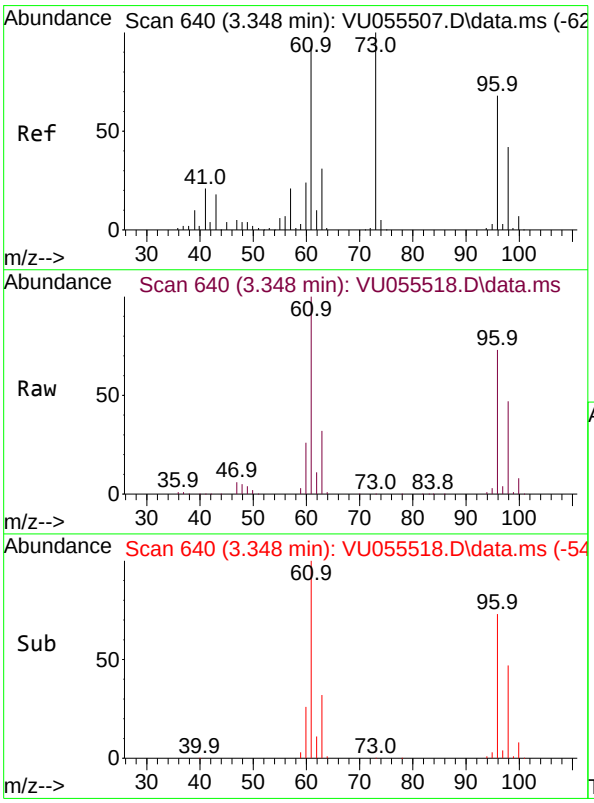
#16
Methylene chloride
Concen: 26.766 ug/L
RT: 3.039 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 84 Resp: 649883

Ion	Ratio	Lower	Upper
84	100		
86	63.7	44.9	83.3
49	108.8	78.8	146.3

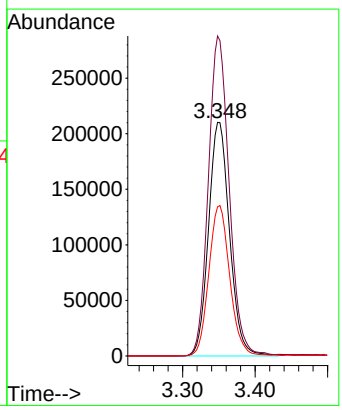


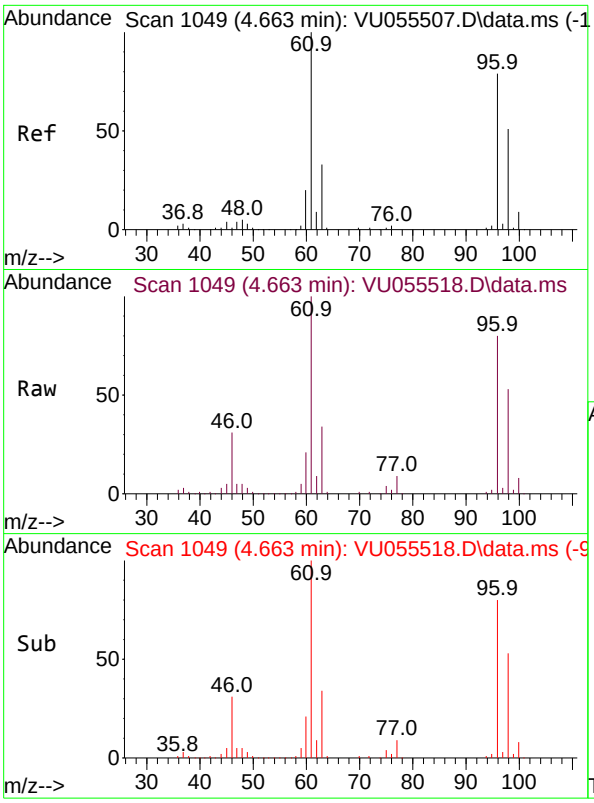


#18
trans-1,2-Dichloroethene
Concen: 20.719 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion: 96 Resp: 423202

Ion	Ratio	Lower	Upper
96	100		
61	137.0	94.6	175.6
98	63.9	45.7	84.9



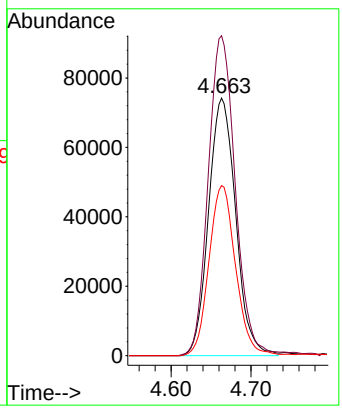


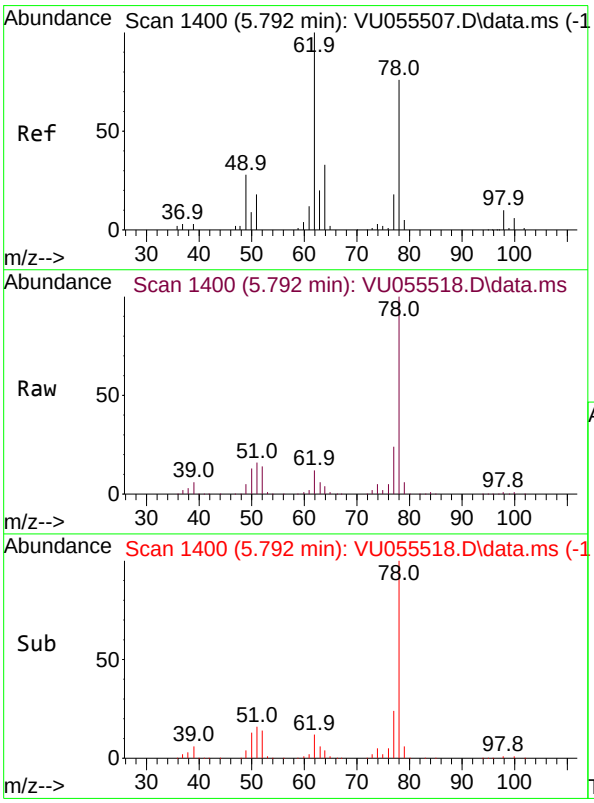
#22
cis-1,2-Dichloroethene
Concen: 7.402 ug/L
RT: 4.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 175288

Ion	Ratio	Lower	Upper
96	100		
61	124.2	87.8	163.2
98	66.1	44.4	82.4

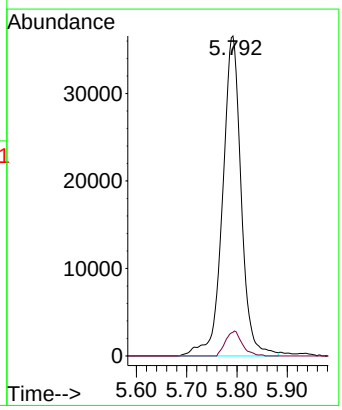


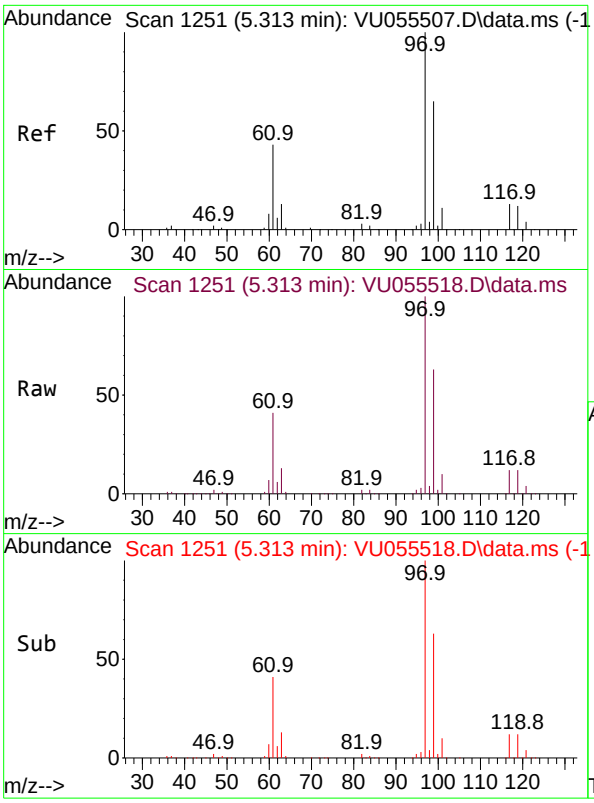


#27
1,2-Dichloroethane
Concen: 3.837 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion: 62 Resp: 94126

Ion	Ratio	Lower	Upper
62	100		
98	7.4	7.0	10.4



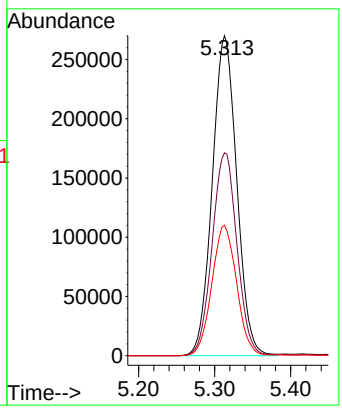


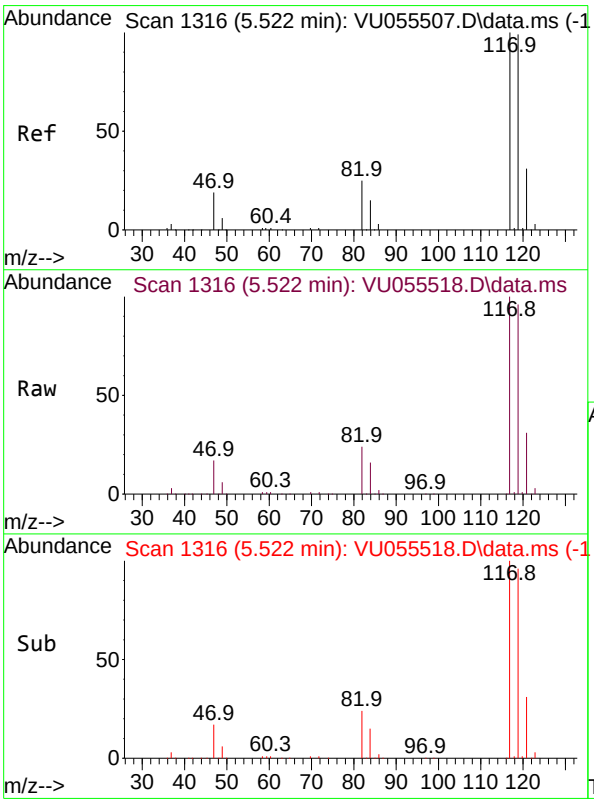
#29
1,1,1-Trichloroethane
Concen: 18.217 ug/L
RT: 5.313 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 604415

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.7	76.1
61	41.3	34.6	51.8

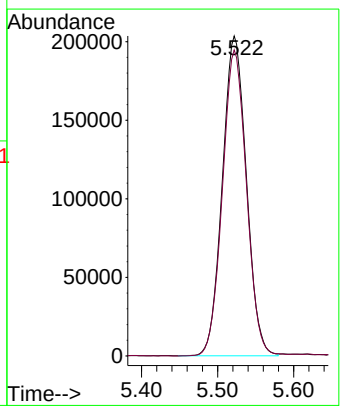


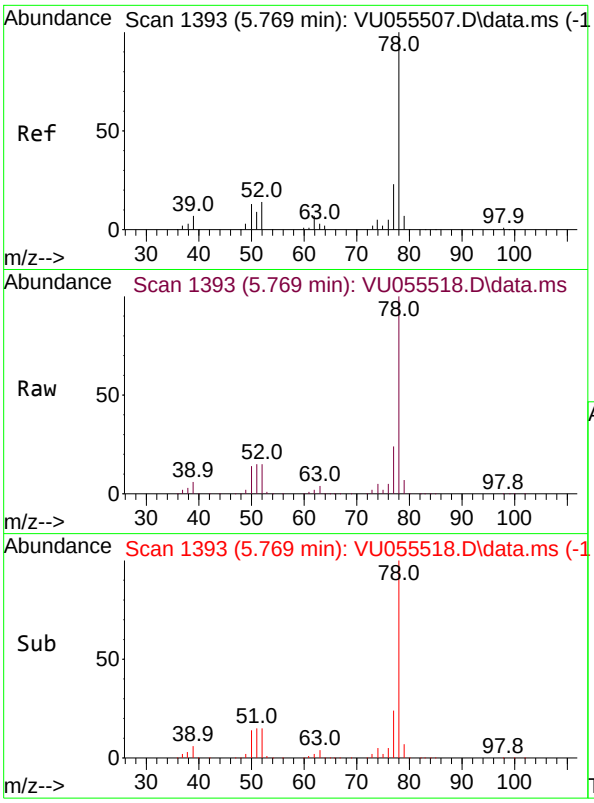


#31
Carbon tetrachloride
Concen: 15.676 ug/L
RT: 5.522 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion:117 Resp: 445820

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.2	112.8

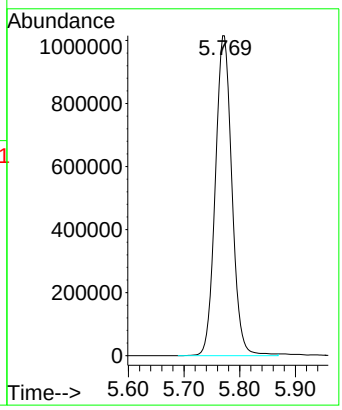


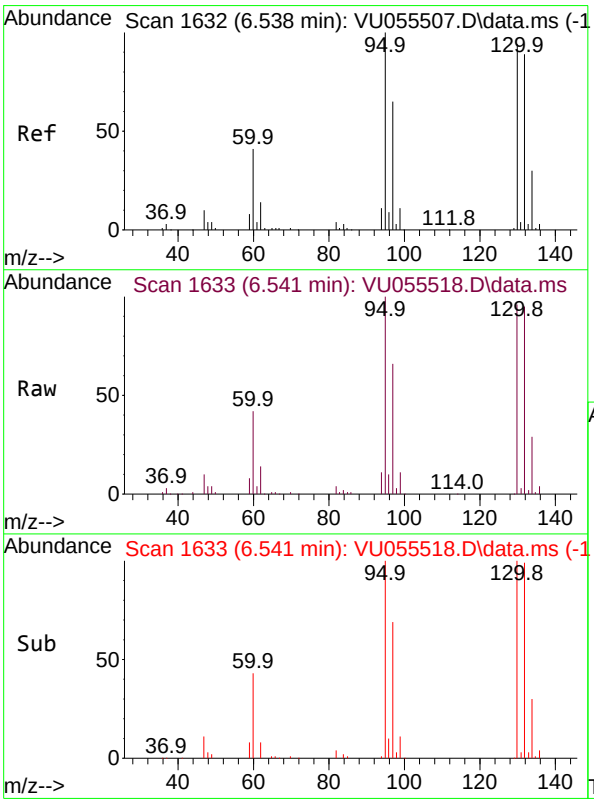


#33
Benzene
Concen: 25.065 ug/L
RT: 5.769 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 2099613

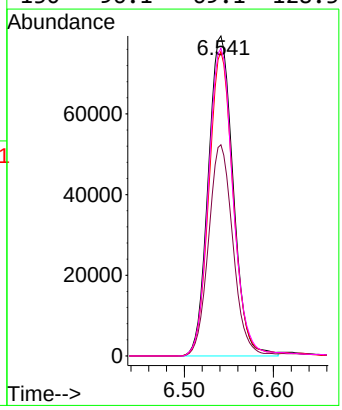


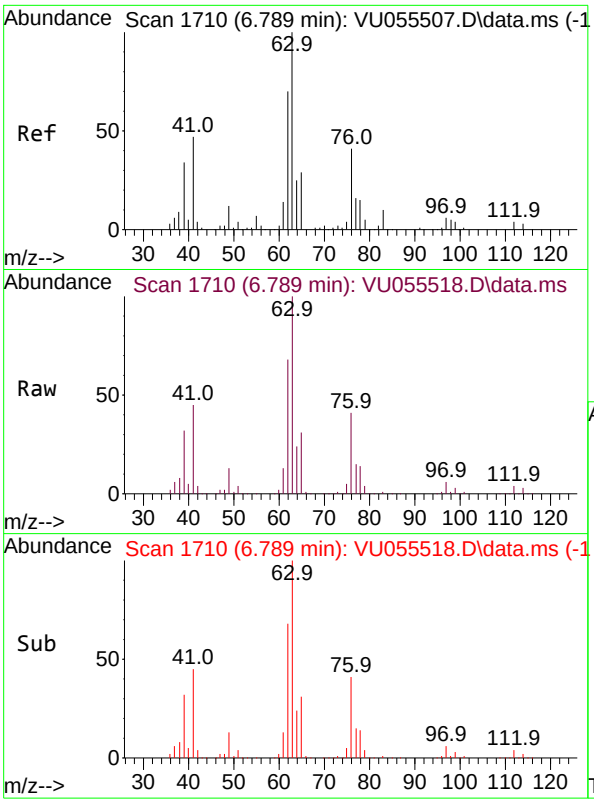


#34
Trichloroethene
Concen: 6.497 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion: 95 Resp: 153935

Ion	Ratio	Lower	Upper
95	100		
97	66.0	45.4	84.2
132	95.1	65.2	121.2
130	96.1	69.1	128.3



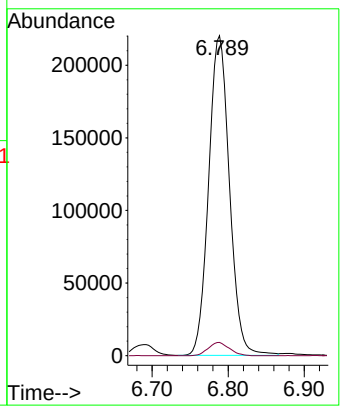


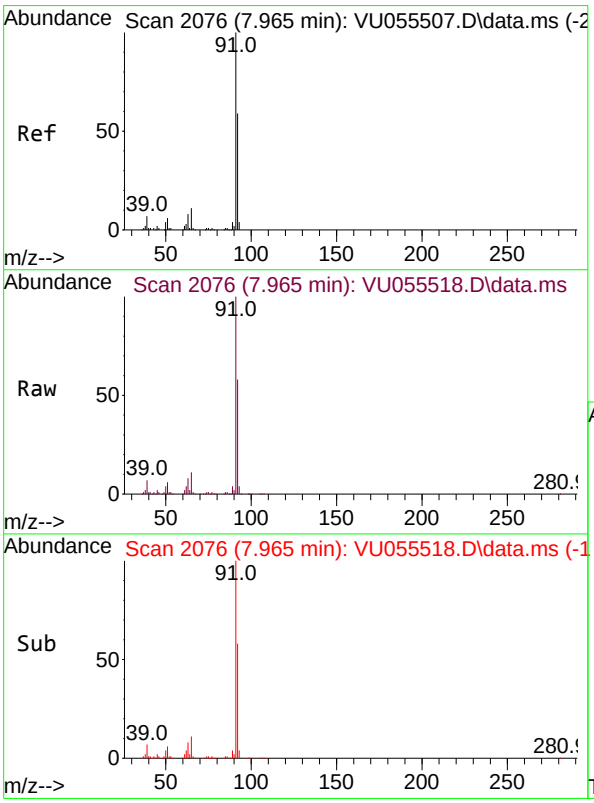
#37
1,2-Dichloropropane
Concen: 19.130 ug/L
RT: 6.789 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 419081

Ion	Ratio	Lower	Upper
63	100		
112	4.2	3.0	4.6

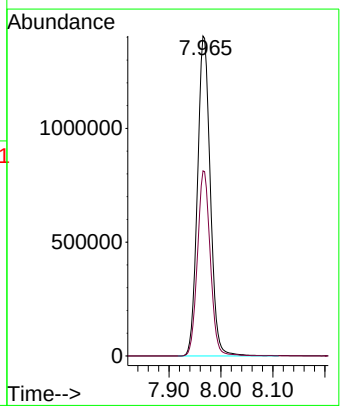


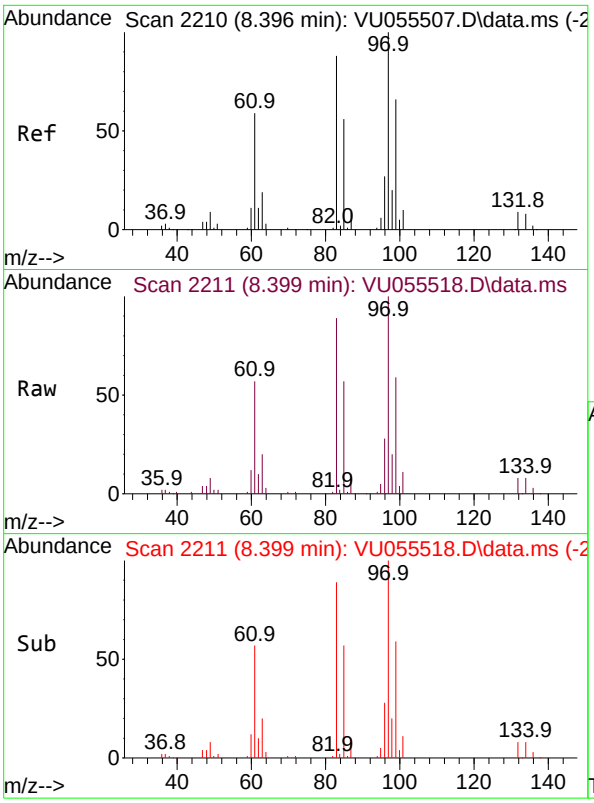


#42
Toluene
Concen: 26.940 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion: 91 Resp: 2407119

Ion	Ratio	Lower	Upper
91	100		
92	57.8	40.3	74.8



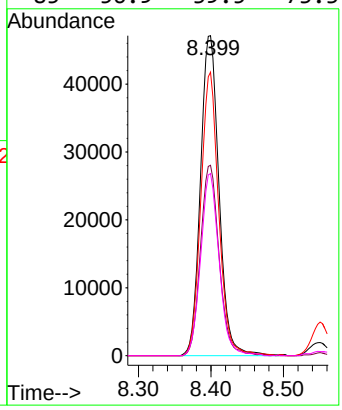


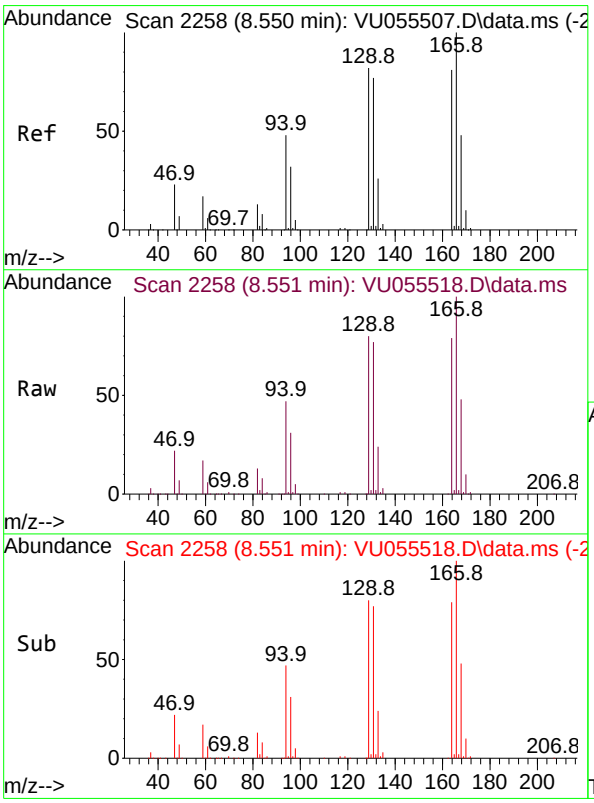
#45
1,1,2-Trichloroethane
Concen: 5.449 ug/L
RT: 8.399 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 83702

Ion	Ratio	Lower	Upper
97	100		
99	59.5	44.1	81.9
83	88.6	61.5	114.1
85	56.9	39.5	73.3

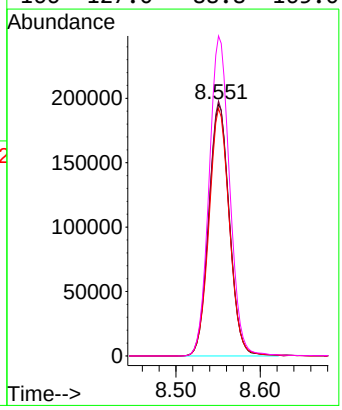


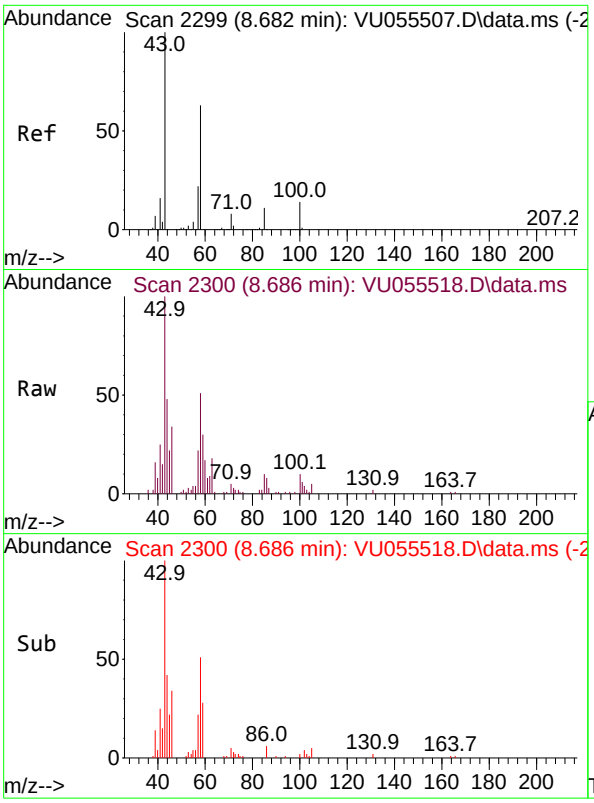


#47
Tetrachloroethene
Concen: 19.602 ug/L
RT: 8.551 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion:164 Resp: 333189

Ion	Ratio	Lower	Upper
164	100		
129	101.2	67.4	125.2
131	98.3	66.4	123.2
166	127.0	88.8	165.0



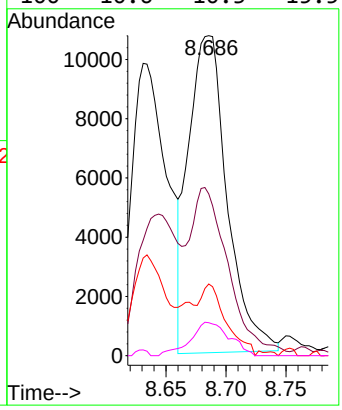


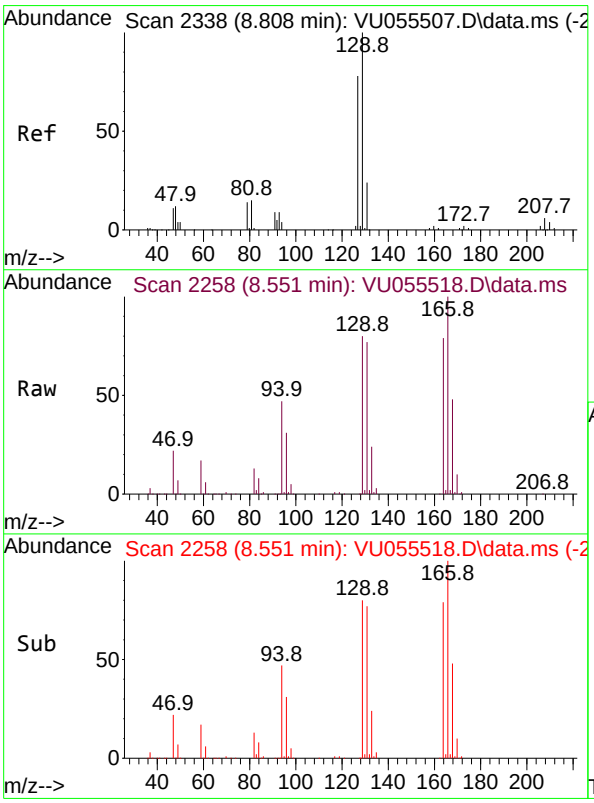
#48
2-Hexanone
Concen: 3.126 ug/L
RT: 8.686 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 24076

Ion	Ratio	Lower	Upper
43	100		
58	48.4	48.5	72.7#
57	14.7	17.0	25.4#
100	10.6	10.3	15.5

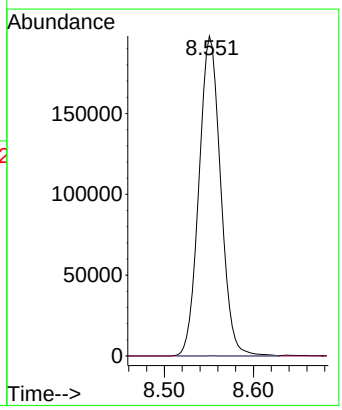


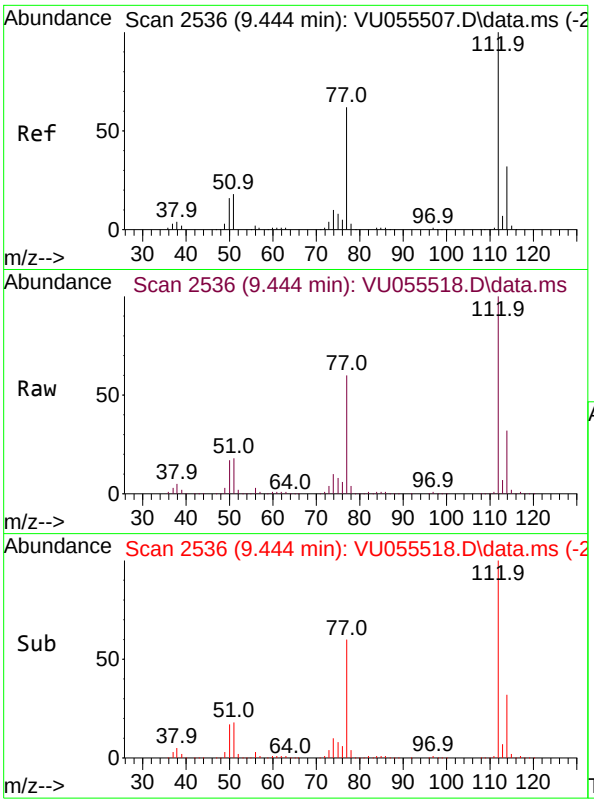


#49
Dibromochloromethane
Concen: 20.757 ug/L
RT: 8.551 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion:129 Resp: 334220

Ion	Ratio	Lower	Upper
129	100		
127	0.1	56.8	105.6#



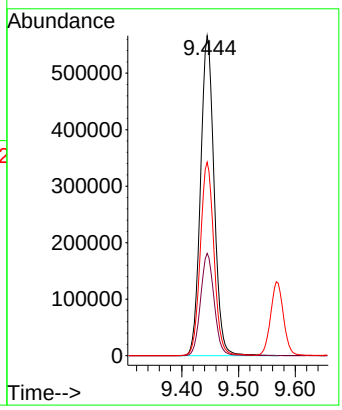


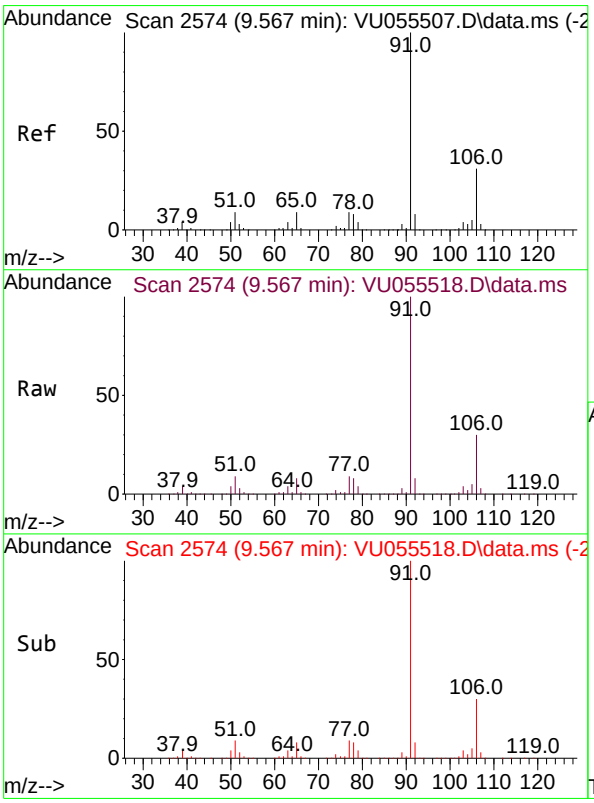
#51
Chlorobenzene
Concen: 16.495 ug/L
RT: 9.444 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:112 Resp: 943969

Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.0	40.8
77	60.5	46.9	70.3

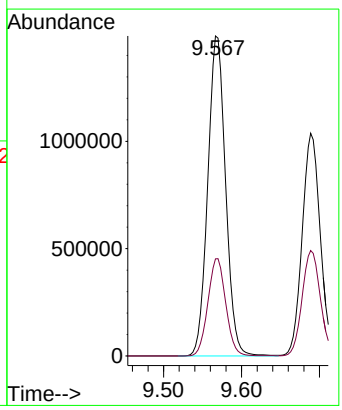


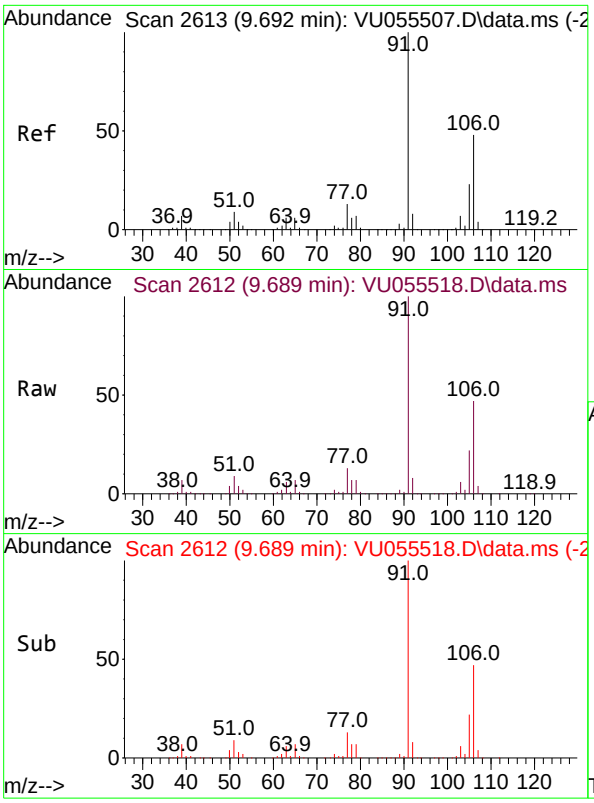


#52
Ethylbenzene
Concen: 24.731 ug/L
RT: 9.567 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion: 91 Resp: 2368941

Ion	Ratio	Lower	Upper
91	100		
106	30.4	22.4	41.6



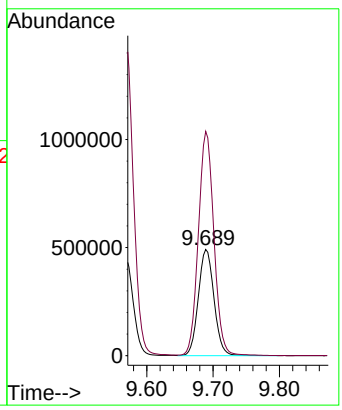


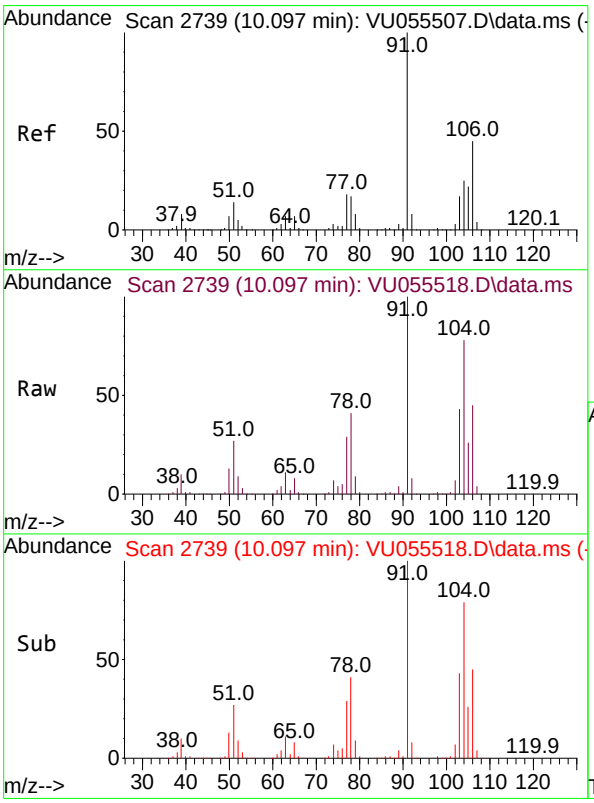
#53
m,p-Xylene
Concen: 22.430 ug/L
RT: 9.689 min Scan# 2
Delta R.T. -0.003 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 805153

Ion	Ratio	Lower	Upper
106	100		
91	211.1	144.8	269.0

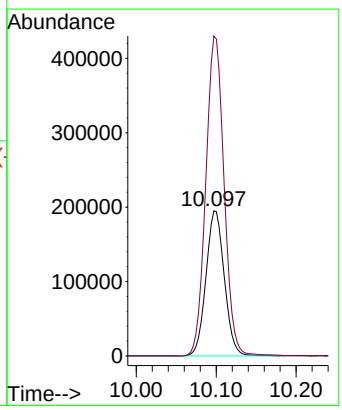


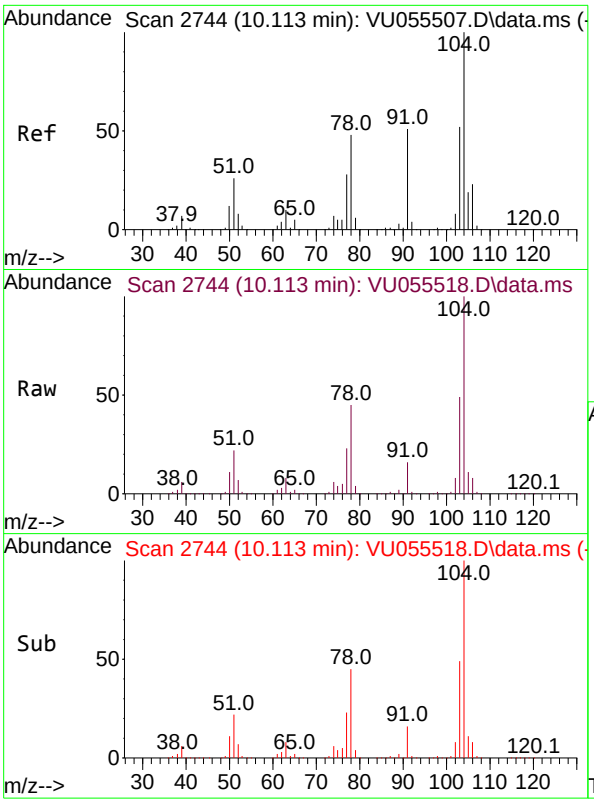


#54
o-Xylene
Concen: 8.932 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion:106 Resp: 311748

Ion	Ratio	Lower	Upper
106	100		
91	220.5	157.6	292.8



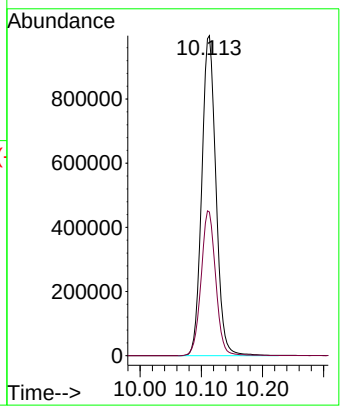


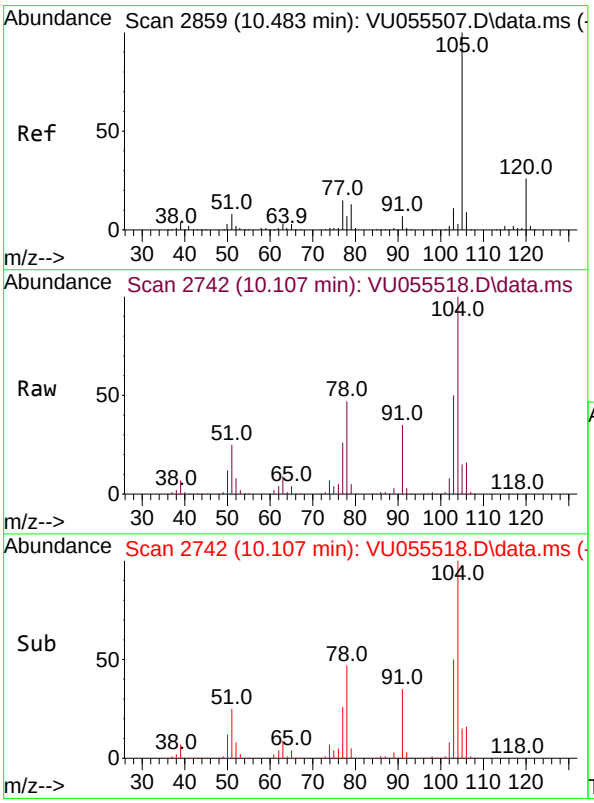
#55
Styrene
Concen: 28.548 ug/L
RT: 10.113 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:104 Resp: 1611070

Ion	Ratio	Lower	Upper
104	100		
78	44.9	31.2	58.0

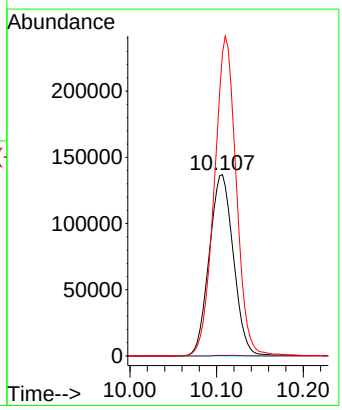


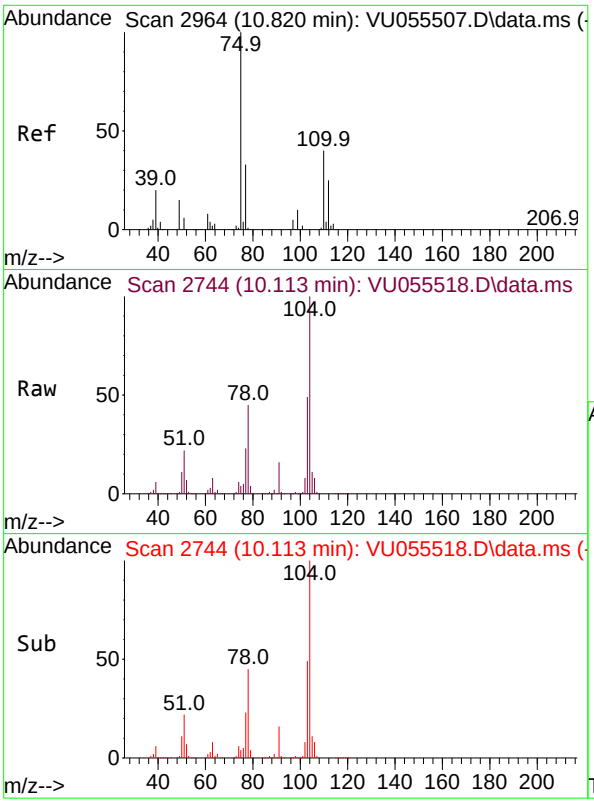


#60
Isopropylbenzene
Concen: 2.969 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. -0.376 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion:105 Resp: 265178

Ion	Ratio	Lower	Upper
105	100		
120	0.1	20.8	31.2#
77	161.2	12.6	19.0#



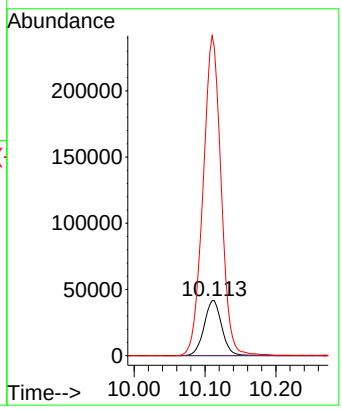


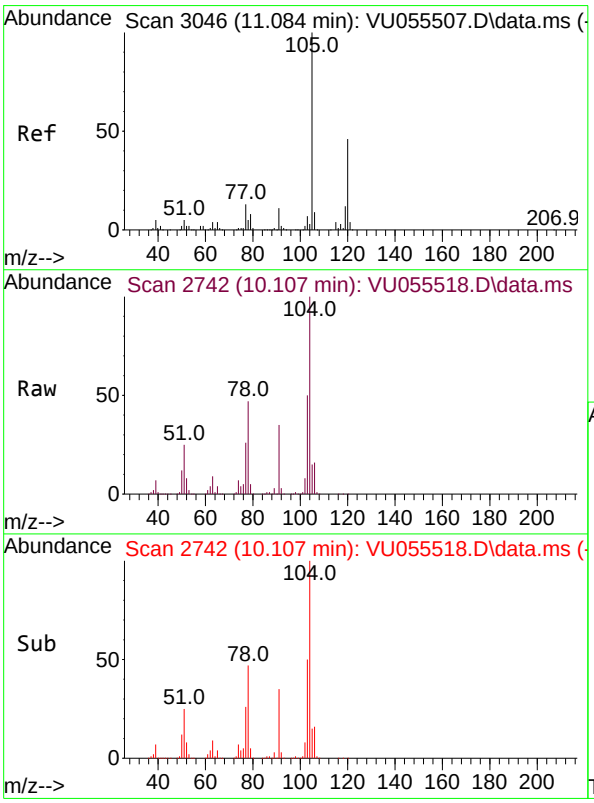
#61
1,2,3-Trichloropropane
Concen: 5.967 ug/L
RT: 10.113 min Scan# 2
Delta R.T. -0.707 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 72189

Ion	Ratio	Lower	Upper
75	100		
110	0.0	30.6	45.8#
77	592.0	26.7	40.1#

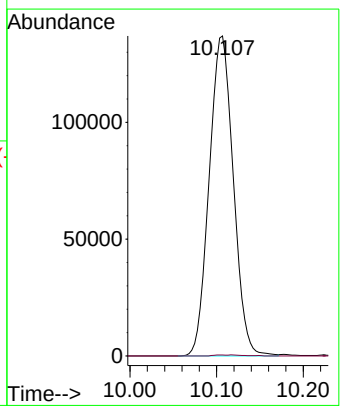


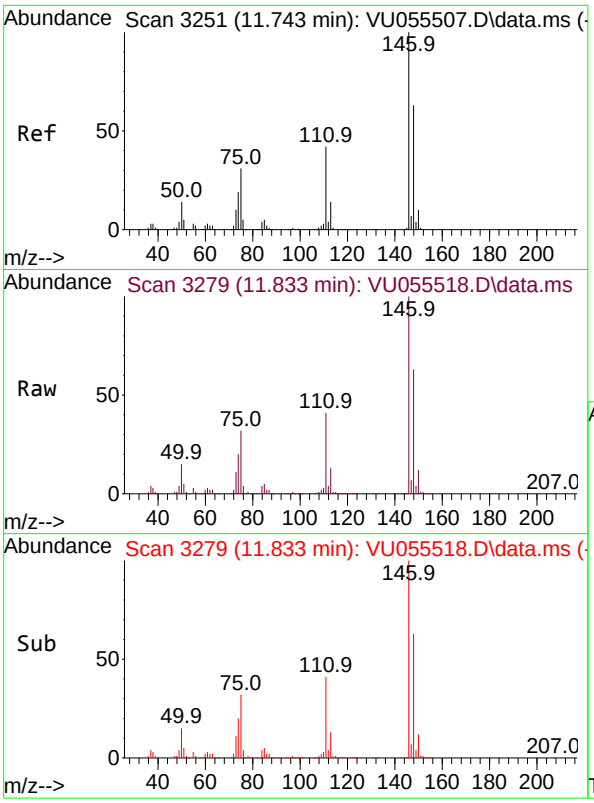


#62
1,3,5-Trimethylbenzene
Concen: 3.712 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. -0.977 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion:105 Resp: 265178

Ion	Ratio	Lower	Upper
105	100		
120	0.1	38.1	57.1#



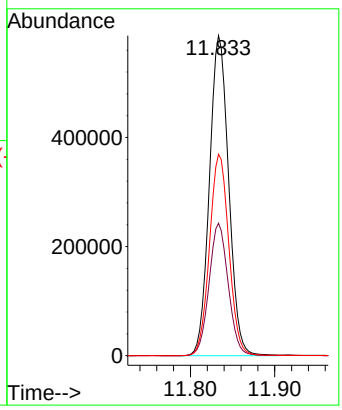


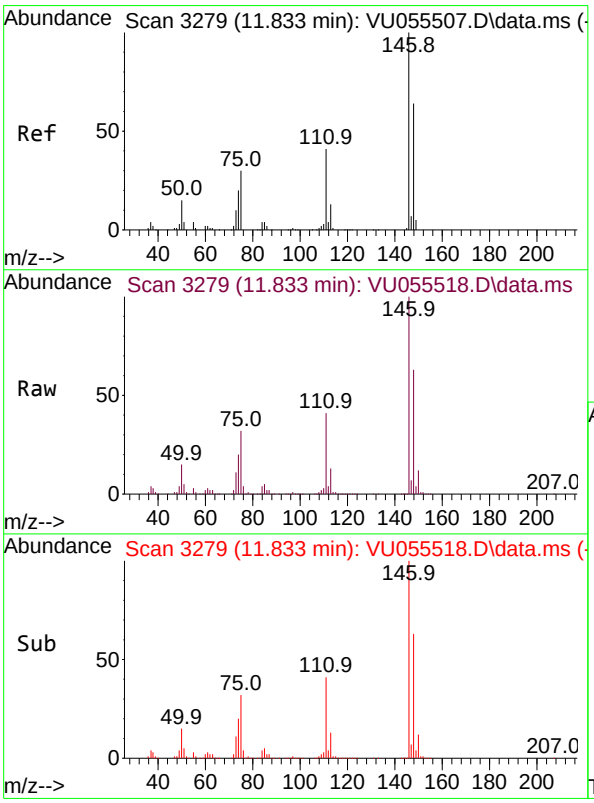
#64
1,3-Dichlorobenzene
Concen: 21.759 ug/L
RT: 11.833 min Scan# 3
Delta R.T. 0.090 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 930444

Ion	Ratio	Lower	Upper
146	100		
111	41.4	28.8	53.6
148	63.0	44.6	82.8

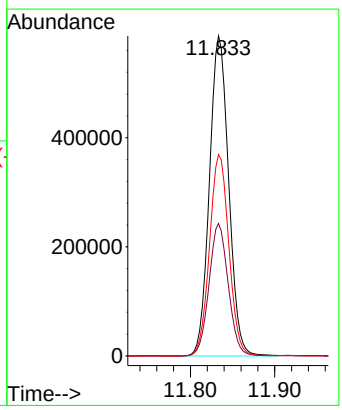


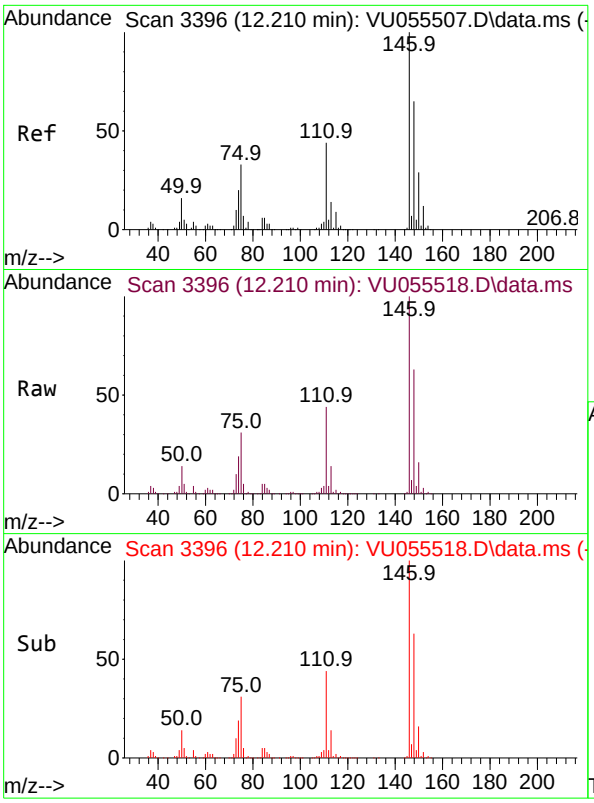


#65
1,4-Dichlorobenzene
Concen: 21.770 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion:146 Resp: 930444

Ion	Ratio	Lower	Upper
146	100		
111	41.4	29.0	53.8
148	63.0	45.4	84.4



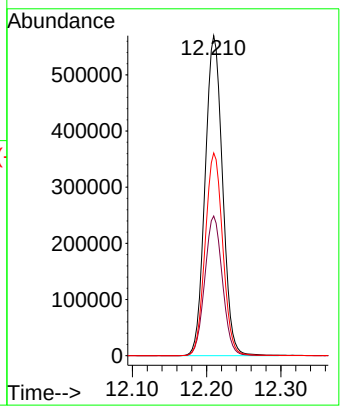


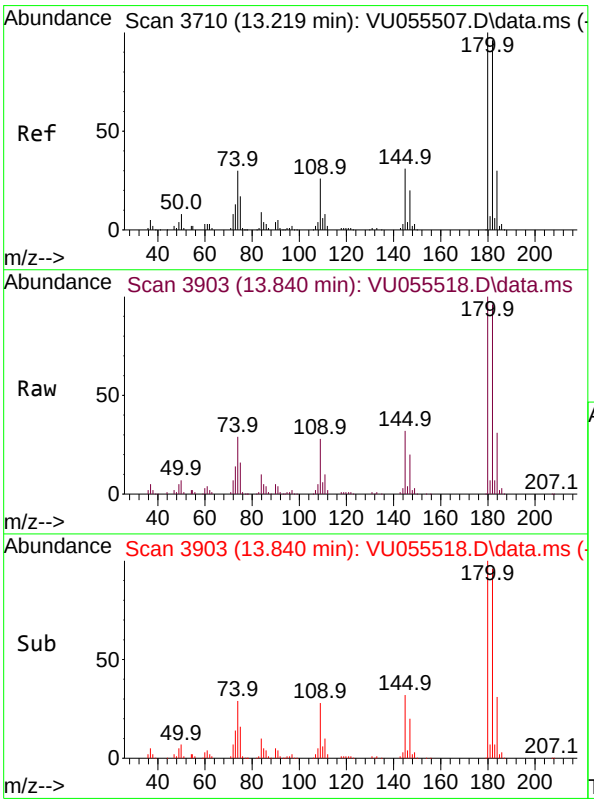
#67
1,2-Dichlorobenzene
Concen: 23.667 ug/L
RT: 12.210 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 927899

Ion	Ratio	Lower	Upper
146	100		
111	43.7	34.6	52.0
148	63.3	51.8	77.8

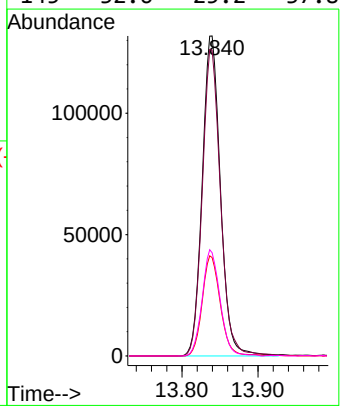


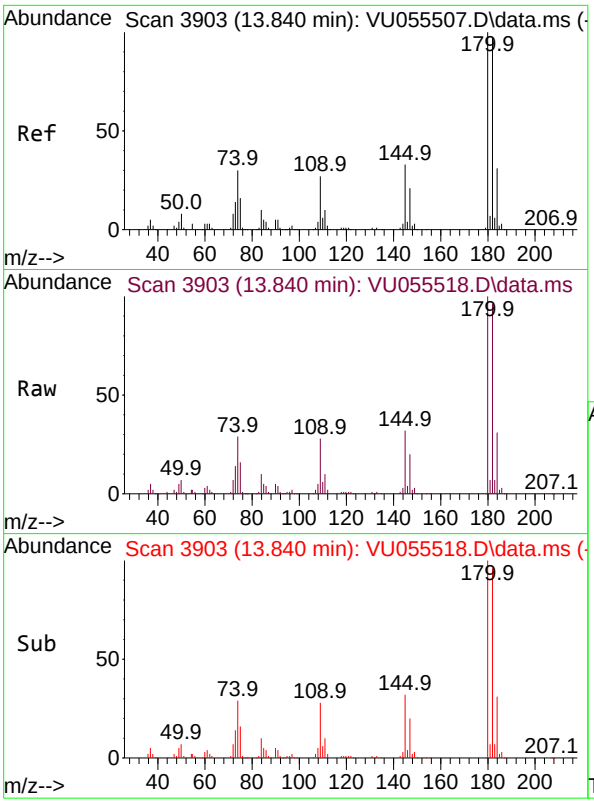


#69
1,3,5-Trichlorobenzene
Concen: 7.445 ug/L
RT: 13.840 min Scan# 3903
Delta R.T. 0.621 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Tgt Ion:180 Resp: 219250

Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.1	115.7
184	31.1	24.0	36.0
145	32.6	25.2	37.8





#70
1,2,4-trichlorobenzene
Concen: 9.766 ug/L
RT: 13.840 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU055518.D
Acq: 26 Sep 2023 15:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 219250

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	32.6	25.4	38.0