Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060132.D
Acq On : 23 Jul 2024 23:39
Operator : MD/SY
Sample : P3244-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Quant Time: Jul 24 05:57:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 24 05:34:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	133672	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	133525	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	66746	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	43313	4.657	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 93.200%			
7) Chloroethane-d5	1.904	69	39359	4.555	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 91.200%			
11) 1,1-Dichloroethene-d2	2.554	65	16232	4.470	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 89.400%			
20) 2-Butanone-d5	4.692	46	91415	42.042	ug/L	0.07
Spiked Amount 50.000	Range 40 - 130		Recovery = 84.080%			
24) Chloroform-d	5.052	84	80000	4.093	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 81.800%			
26) 1,2-Dichloroethane-d4	5.698	65	40540	4.454	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 89.000%			
32) Benzene-d6	5.714	84	159700	4.464	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.200%			
36) 1,2-Dichloropropane-d6	6.682	67	53157	4.663	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 93.200%			
41) Toluene-d8	7.891	98	131550	4.070	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 81.400%			
43) trans-1,3-Dichloroprop...	8.177	79	9677	2.494	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 49.800%#			
46) 2-Hexanone-d5	8.637	63	74191	43.085	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 86.180%			
56) 1,1,2,2-Tetrachloroeth...	10.750	84	46965	4.629	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.600%			
66) 1,2-Dichlorobenzene-d4	12.187	152	59303	4.922	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 98.400%			
Target Compounds						Qvalue
5) Vinyl chloride	1.592	62	658345	48.100	ug/L	98
8) Chloroethane	1.924	64	4781	0.535	ug/L	99
12) 1,1-Dichloroethene	2.567	96	4850	0.475	ug/L #	1
16) Methylene chloride	3.033	84	2296	0.184	ug/L	99
17) Methyl tert-butyl Ether	3.370	73	16080	0.691	ug/L #	75
18) trans-1,2-Dichloroethene	3.335	96	16652	1.569	ug/L	96
19) 1,1-Dichloroethane	3.849	63	6186	0.307	ug/L	92
22) cis-1,2-Dichloroethene	4.653	96	838654	70.550	ug/L	99
30) Cyclohexane	5.374	56	2439	0.185	ug/L #	83
33) Benzene	5.766	78	70565	1.600	ug/L	100
34) Trichloroethene	6.534	95	18632	1.593	ug/L	95
35) Methylcyclohexane	6.747	83	1801	0.117	ug/L #	63
42) Toluene	7.965	91	19315	0.411	ug/L	98
51) Chlorobenzene	9.441	112	224492	7.320	ug/L	99
53) m,p-Xylene	9.692	106	4366	0.241	ug/L	96
63) 1,2,4-Trimethylbenzene	11.467	105	2835	0.088	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	15389	0.655	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	197703	8.267	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	613496	27.284	ug/L	98

Quantitation Report (QT/LSC Reviewed)

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Quant Time: Jul 24 05:57:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 24 05:34:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.836	180	4005	0.297	ug/L #	74

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
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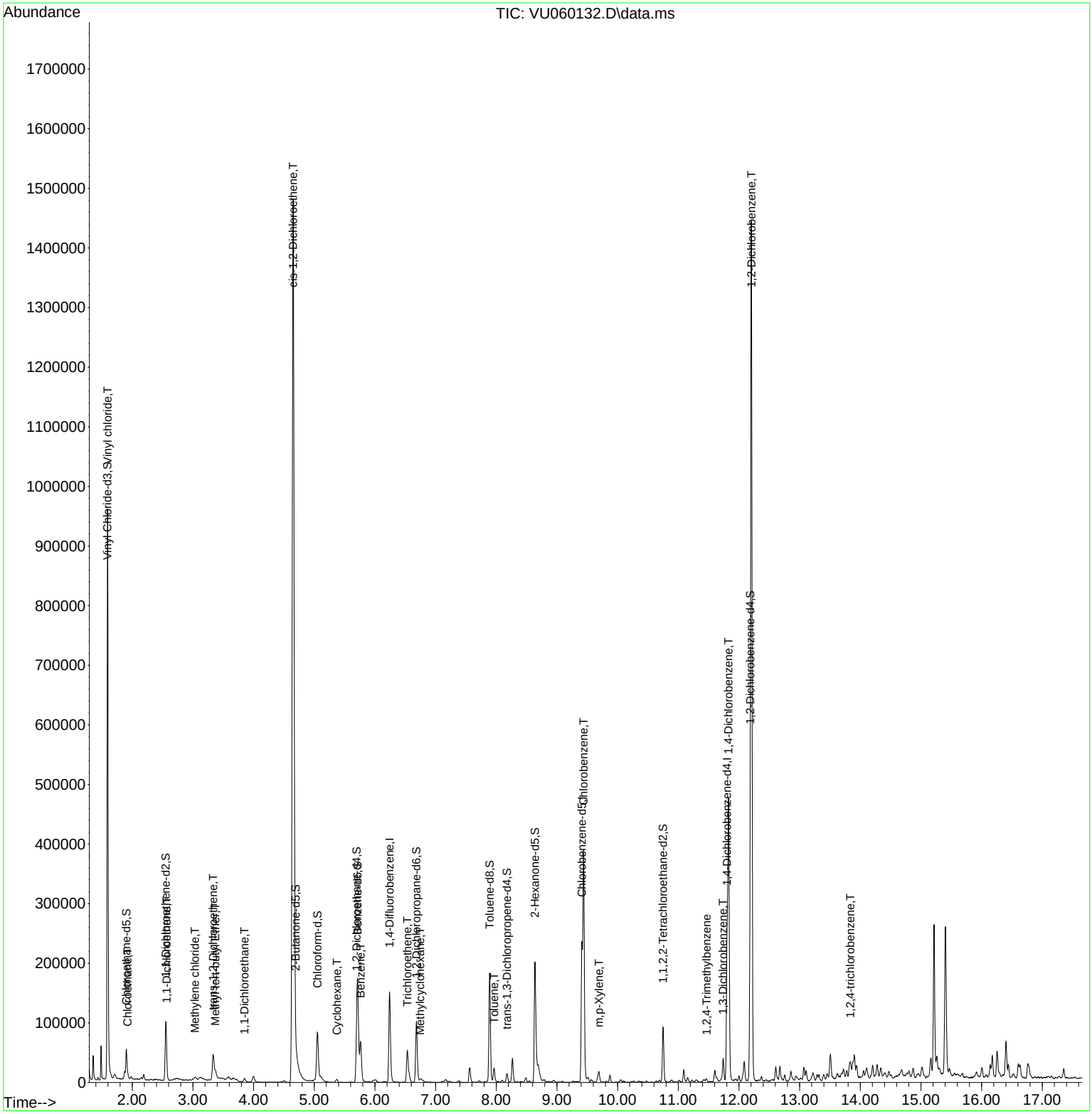
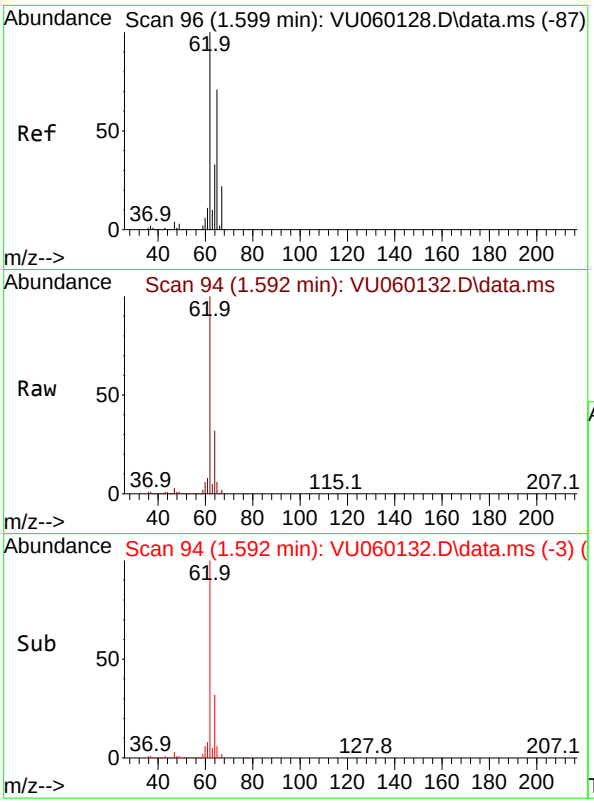
Response via : Initial Calibration



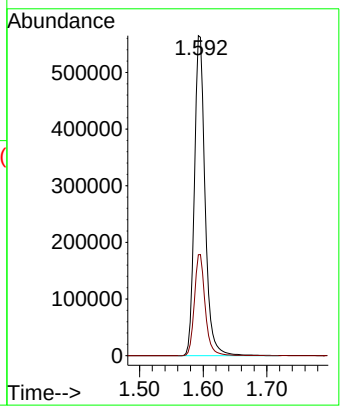


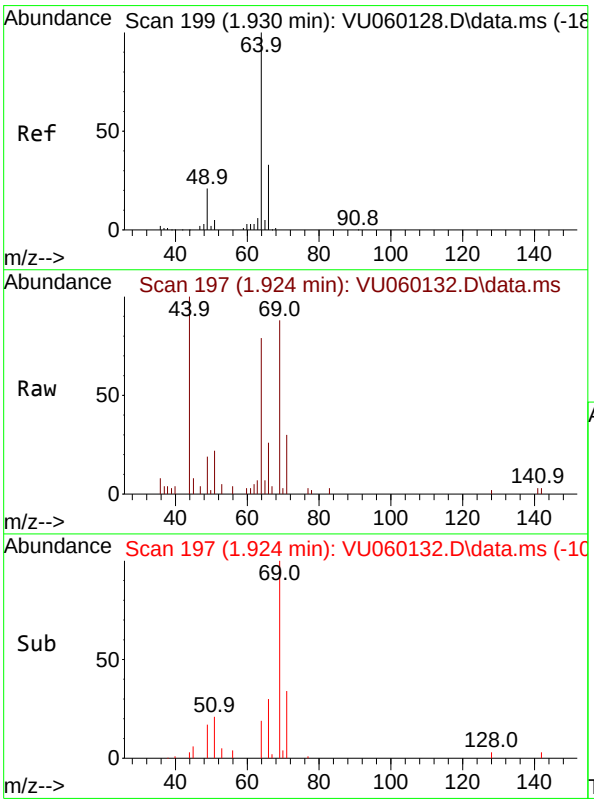
#5
Vinyl chloride
Concen: 48.100 ug/L
RT: 1.592 min Scan# 94
Delta R.T. -0.006 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Tgt Ion: 62 Resp: 658345

Ion	Ratio	Lower	Upper
62	100		
64	31.6	22.8	42.4

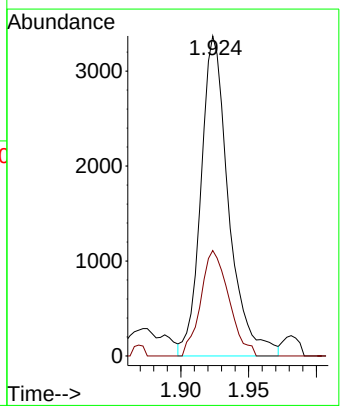


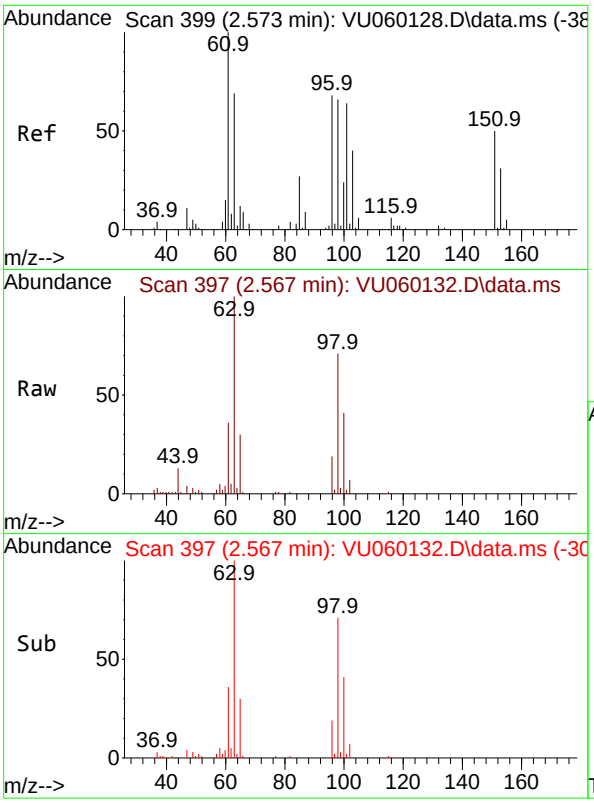


#8
Chloroethane
Concen: 0.535 ug/L
RT: 1.924 min Scan# 197
Delta R.T. -0.006 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Tgt Ion: 64 Resp: 4781

Ion	Ratio	Lower	Upper
64	100		
66	32.9	22.8	42.4



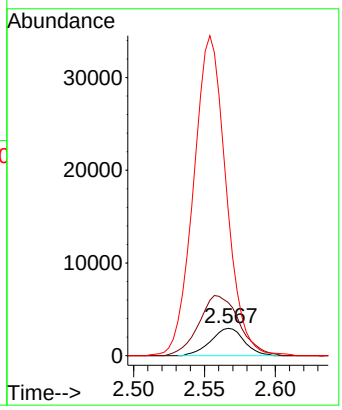


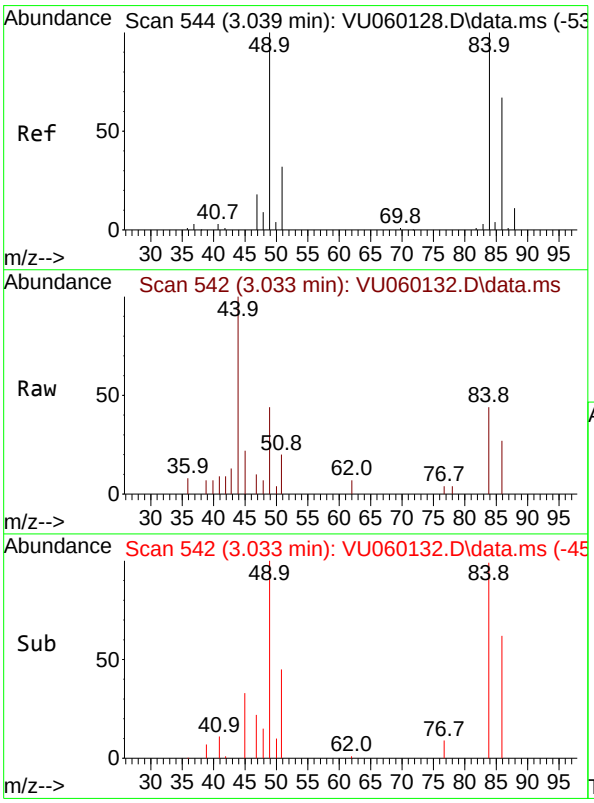
#12
1,1-Dichloroethene
Concen: 0.475 ug/L
RT: 2.567 min Scan# 3
Delta R.T. -0.006 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Tgt Ion: 96 Resp: 4850

Ion	Ratio	Lower	Upper
96	100		
61	194.4	107.0	198.6
63	534.2	76.4	142.0#

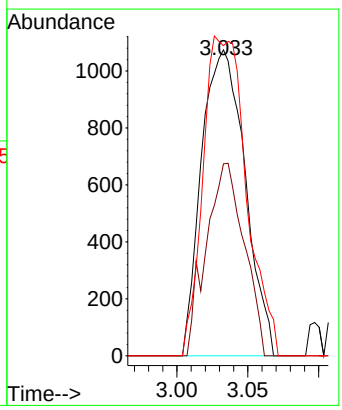


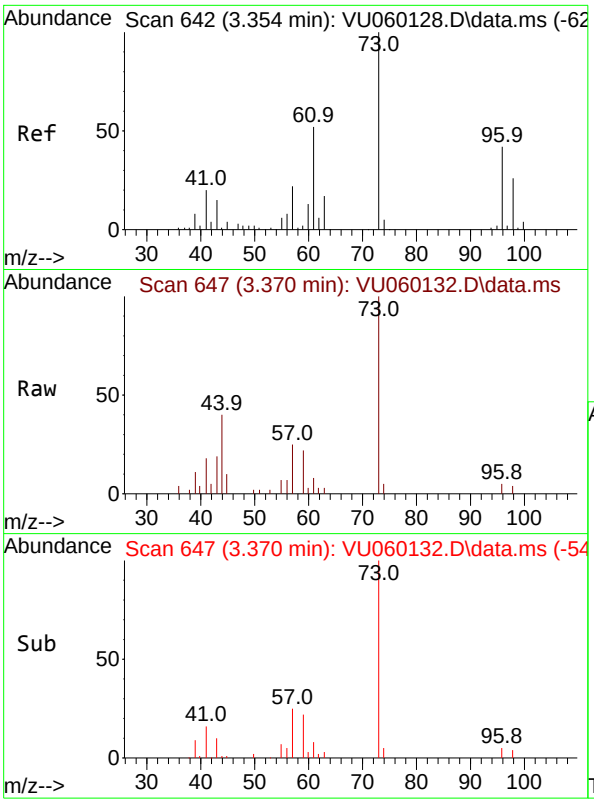


#16
Methylene chloride
Concen: 0.184 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.006 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Tgt Ion: 84 Resp: 2296

Ion	Ratio	Lower	Upper
84	100		
86	62.8	44.4	82.5
49	101.4	72.0	133.6



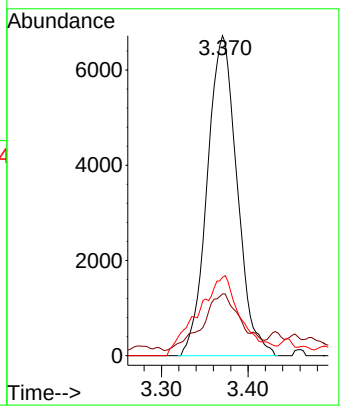


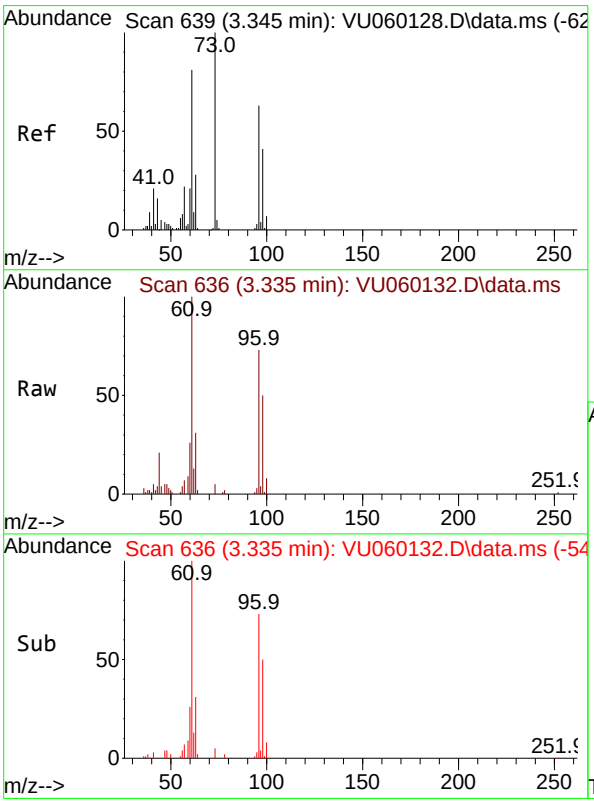
#17
Methyl tert-butyl Ether
Concen: 0.691 ug/L
RT: 3.370 min Scan# 64
Delta R.T. 0.016 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Tgt Ion: 73 Resp: 16080

Ion	Ratio	Lower	Upper
73	100		
43	23.1	13.1	19.7#
57	36.5	17.0	25.4#

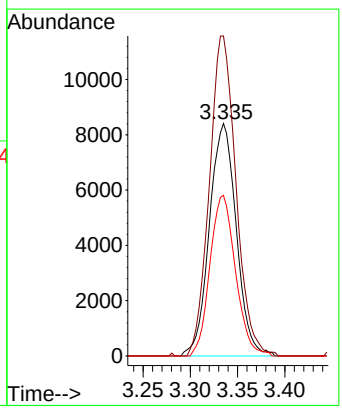


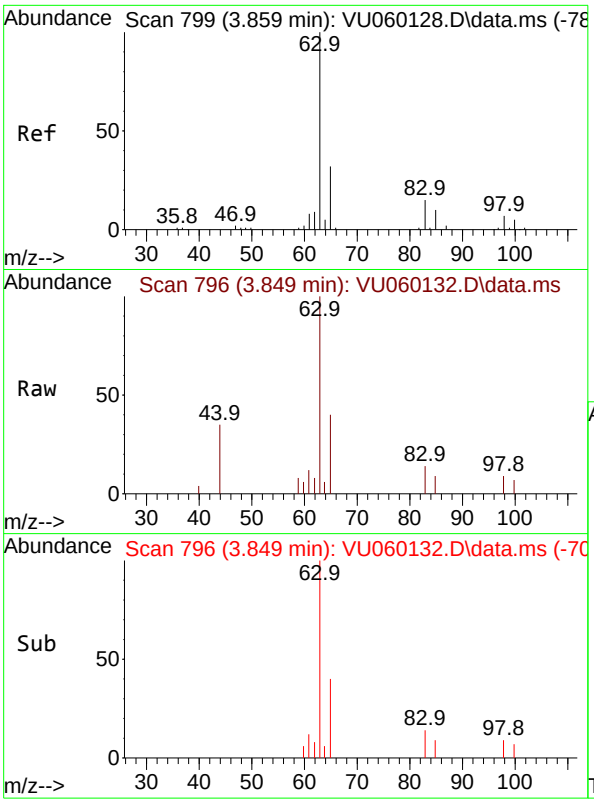


#18
trans-1,2-Dichloroethene
Concen: 1.569 ug/L
RT: 3.335 min Scan# 636
Delta R.T. -0.010 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Tgt Ion: 96 Resp: 16652

Ion	Ratio	Lower	Upper
96	100		
61	137.7	91.6	170.0
98	69.1	47.7	88.5



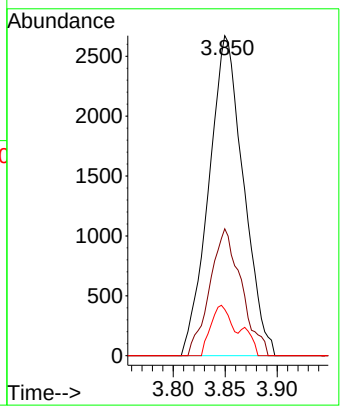


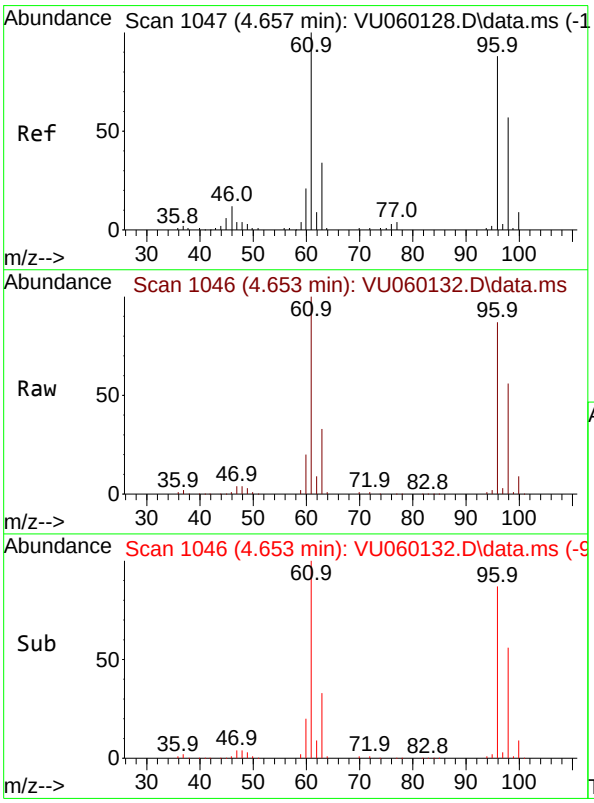
#19
1,1-Dichloroethane
Concen: 0.307 ug/L
RT: 3.849 min Scan# 7
Delta R.T. -0.010 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Tgt Ion: 63 Resp: 6186

Ion	Ratio	Lower	Upper
63	100		
65	37.6	22.0	40.8
83	13.7	9.7	17.9

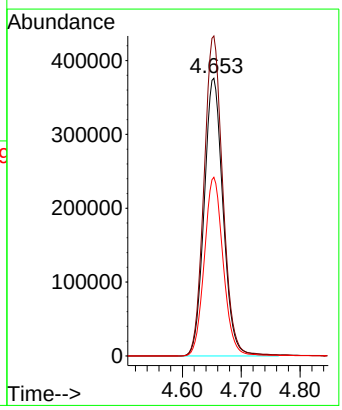


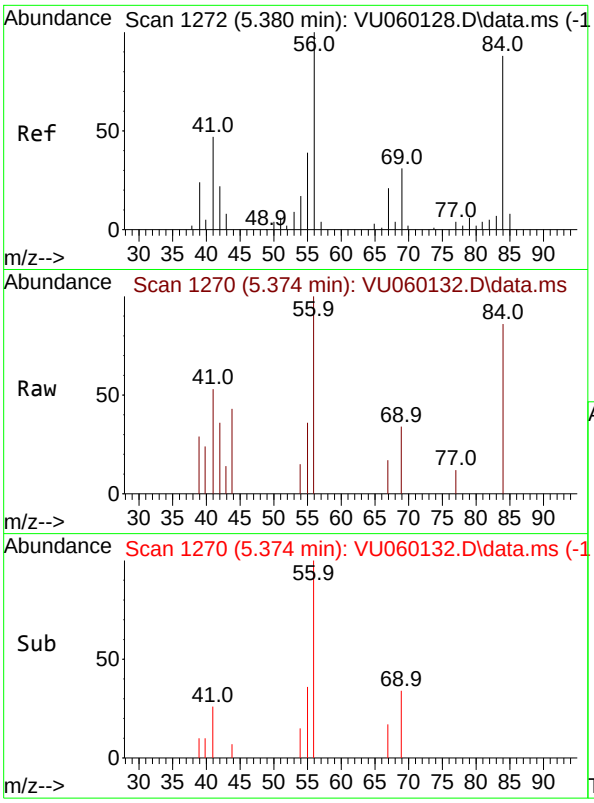


#22
cis-1,2-Dichloroethene
Concen: 70.550 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Tgt Ion: 96 Resp: 838654

Ion	Ratio	Lower	Upper
96	100		
61	115.2	80.2	148.9
98	64.3	44.7	83.1



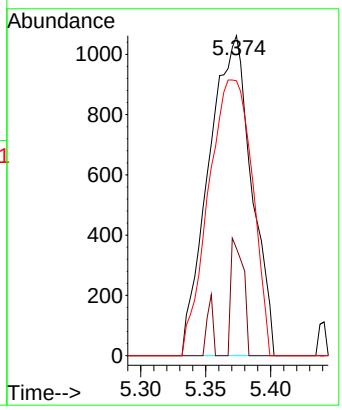


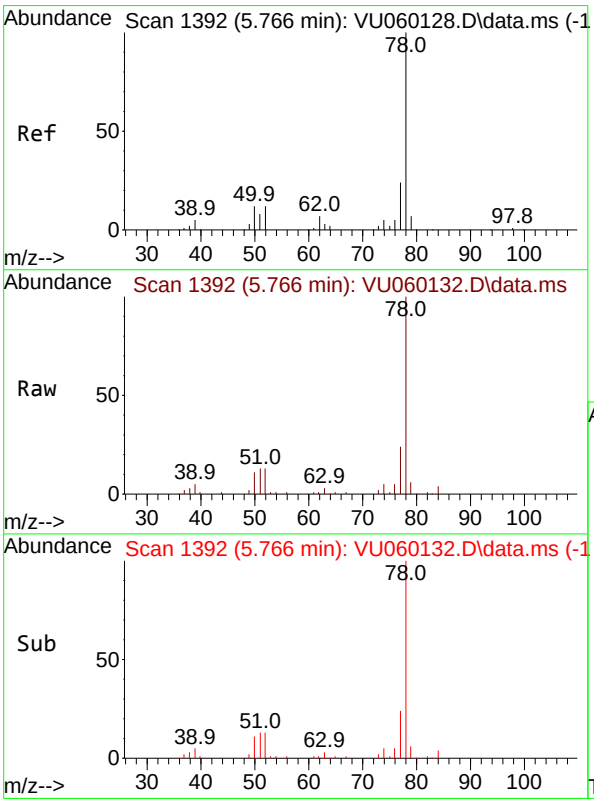
#30
Cyclohexane
Concen: 0.185 ug/L
RT: 5.374 min Scan# 1
Delta R.T. -0.006 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Tgt Ion: 56 Resp: 2439

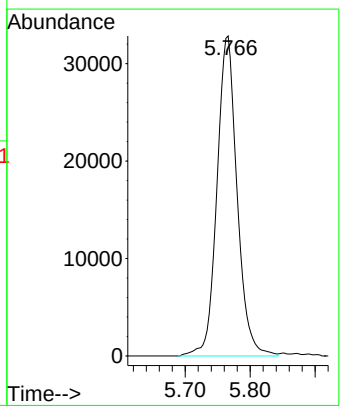
Ion	Ratio	Lower	Upper
56	100		
69	10.6	26.6	39.8#
84	88.0	77.2	115.8

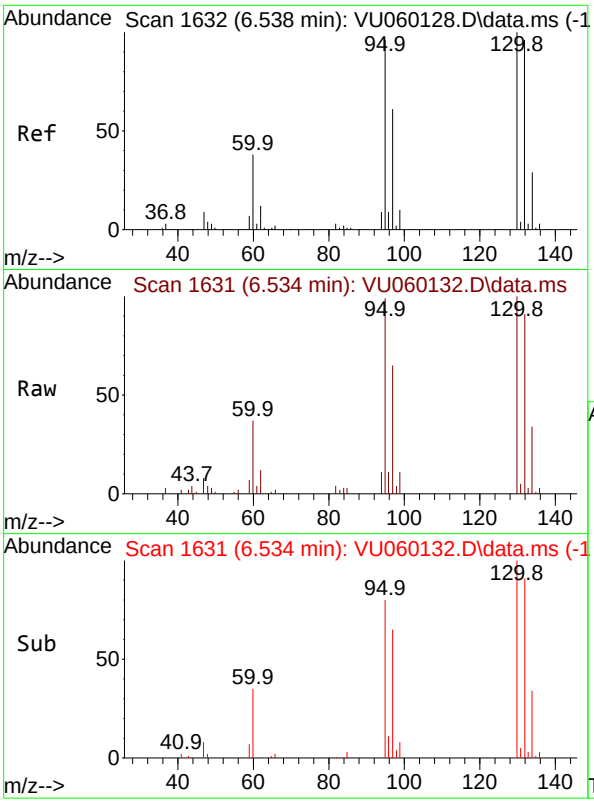




#33
Benzene
Concen: 1.600 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Tgt Ion: 78 Resp: 70565



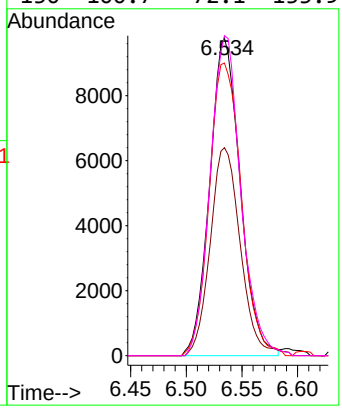


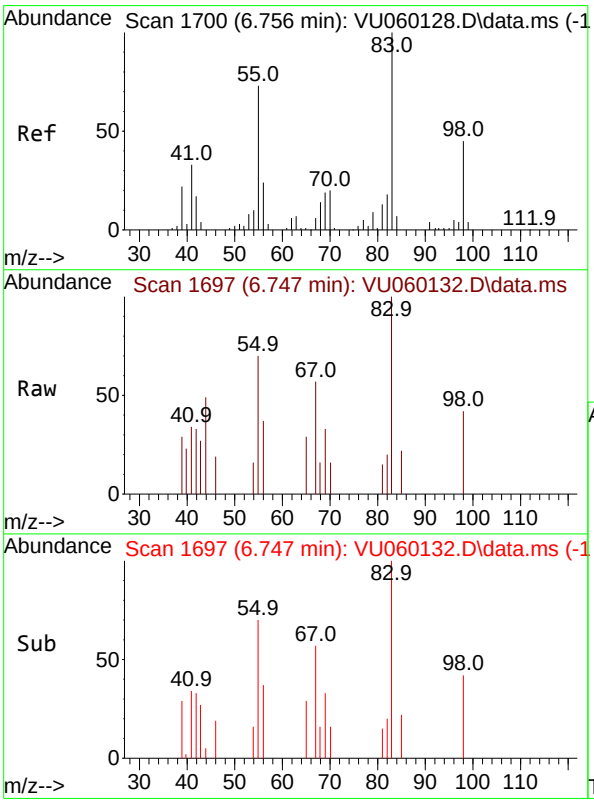
#34
Trichloroethene
Concen: 1.593 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Tgt Ion: 95 Resp: 18632

Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.9	85.3
132	92.1	71.4	132.6
130	100.7	72.1	133.9

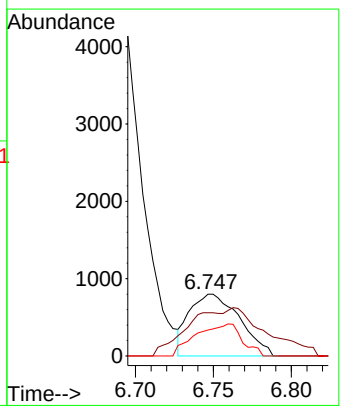


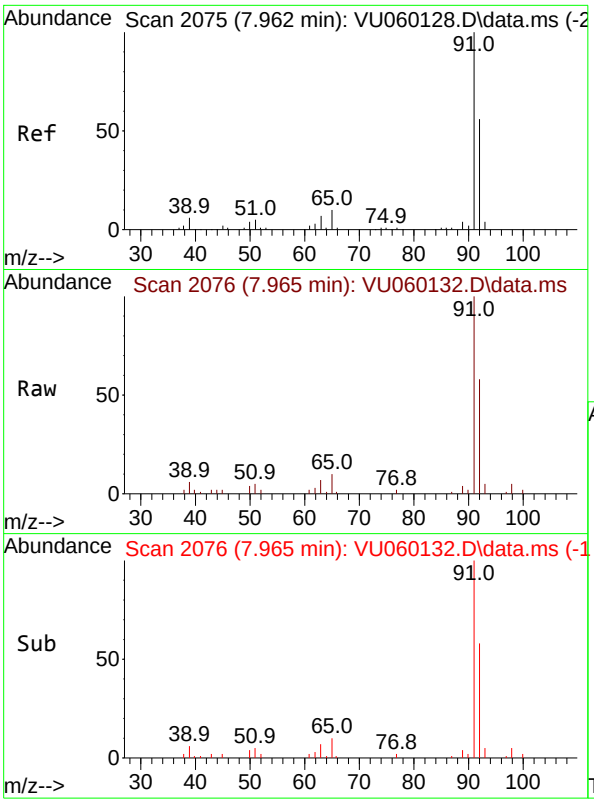


#35
Methylcyclohexane
Concen: 0.117 ug/L
RT: 6.747 min Scan# 1697
Delta R.T. -0.010 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Tgt Ion: 83 Resp: 1801

Ion	Ratio	Lower	Upper
83	100		
55	57.1	56.7	85.1
98	0.0	36.6	55.0#



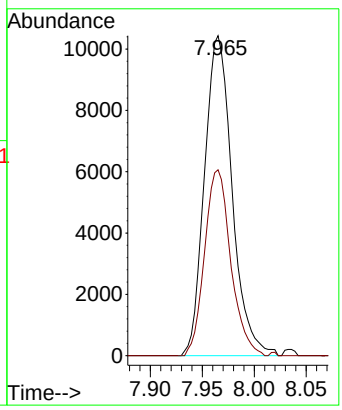


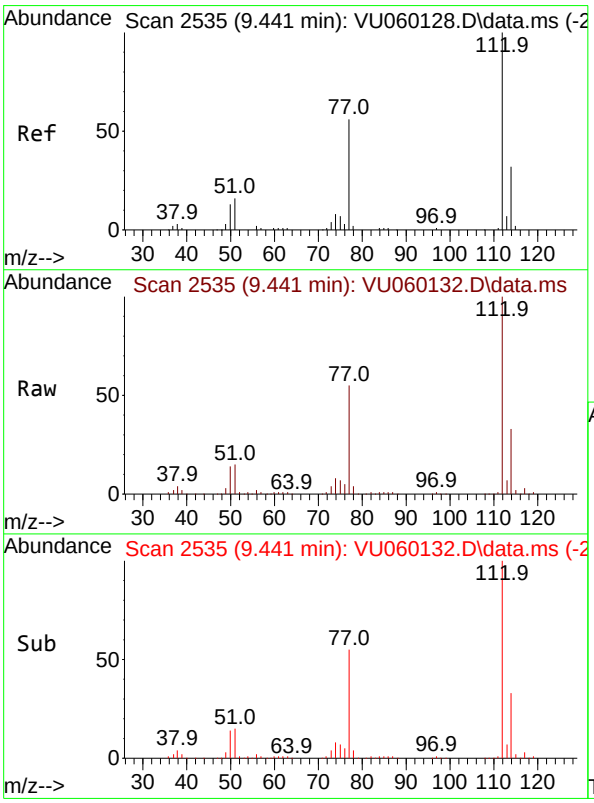
#42
Toluene
Concen: 0.411 ug/L
RT: 7.965 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Tgt Ion: 91 Resp: 19315

Ion	Ratio	Lower	Upper
91	100		
92	58.1	39.8	73.8

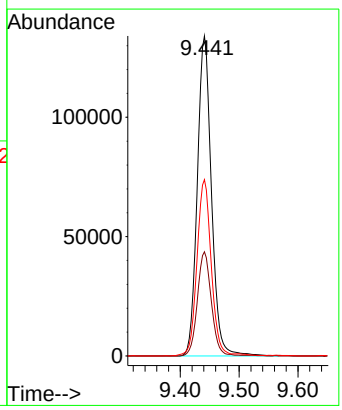


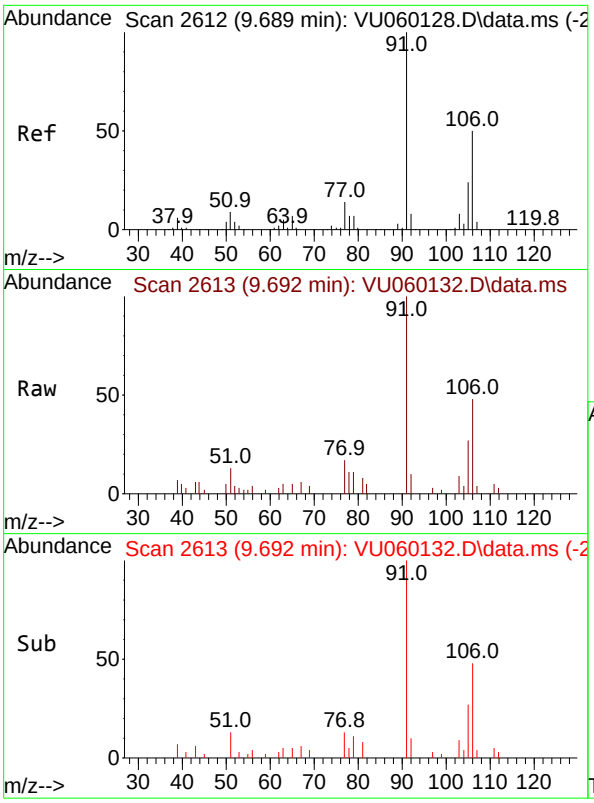


#51
Chlorobenzene
Concen: 7.320 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Tgt Ion:112 Resp: 224492

Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.1	41.1
77	55.1	44.7	67.1



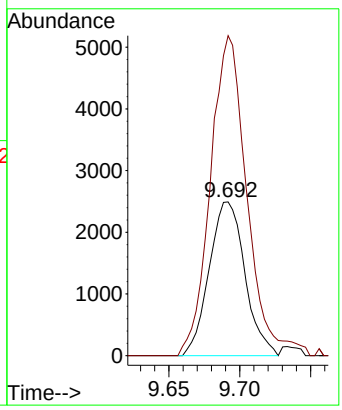


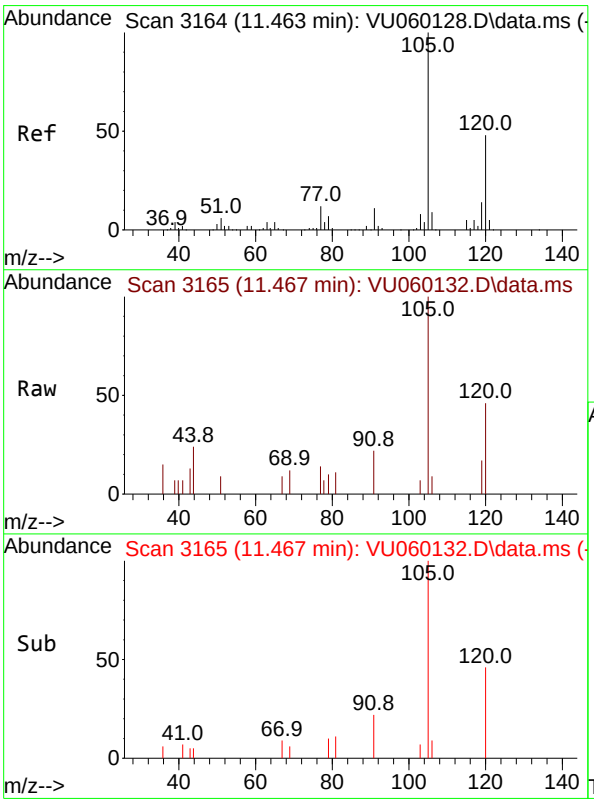
#53
m,p-Xylene
Concen: 0.241 ug/L
RT: 9.692 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Tgt Ion:106 Resp: 4366

Ion	Ratio	Lower	Upper
106	100		
91	208.1	141.3	262.5

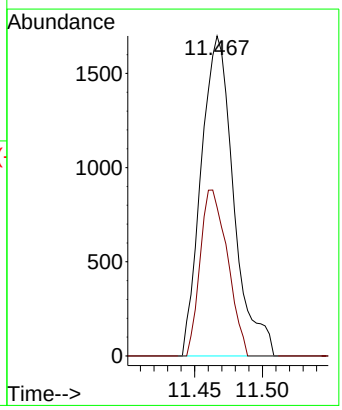


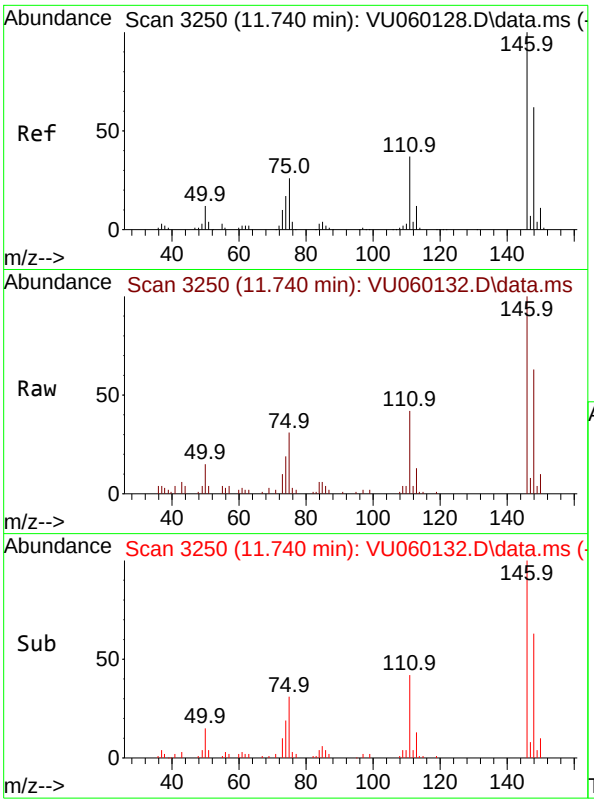


#63
1,2,4-Trimethylbenzene
Concen: 0.088 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Tgt Ion:105 Resp: 2835

Ion	Ratio	Lower	Upper
105	100		
120	43.7	36.7	55.1



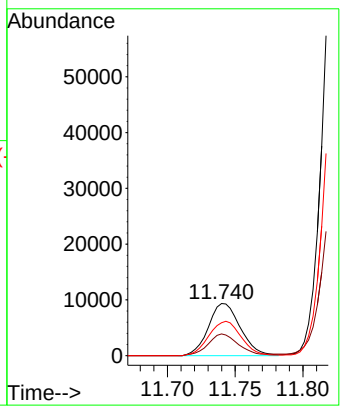


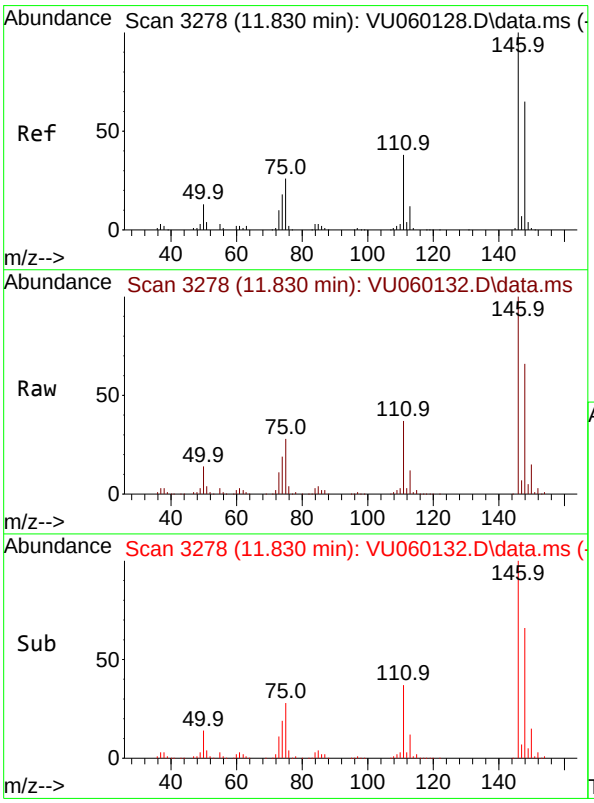
#64
1,3-Dichlorobenzene
Concen: 0.655 ug/L
RT: 11.740 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Tgt Ion:146 Resp: 15389

Ion	Ratio	Lower	Upper
146	100		
111	41.7	27.2	50.4
148	63.3	44.3	82.3

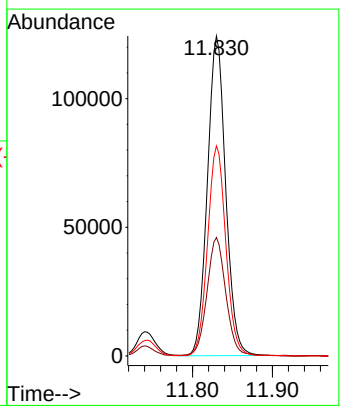


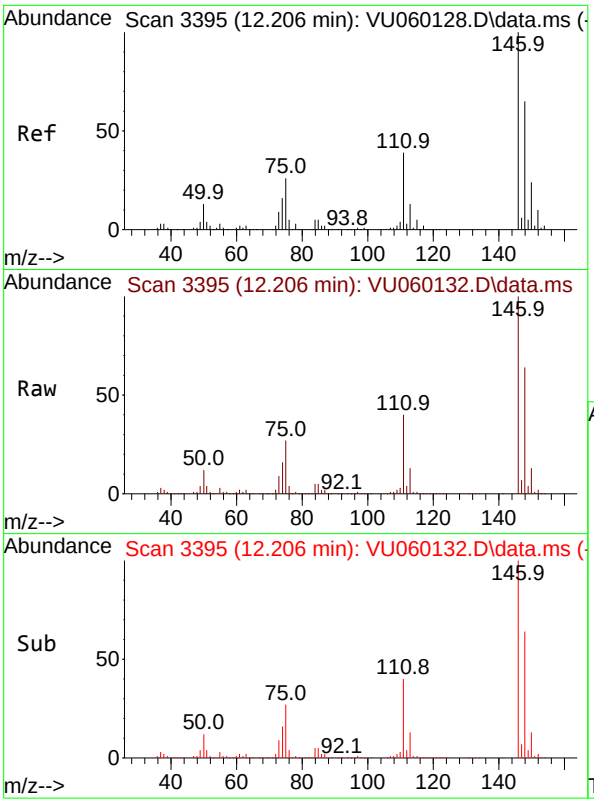


#65
1,4-Dichlorobenzene
Concen: 8.267 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Tgt Ion:146 Resp: 197703

Ion	Ratio	Lower	Upper
146	100		
111	37.0	26.5	49.1
148	65.6	45.3	84.1



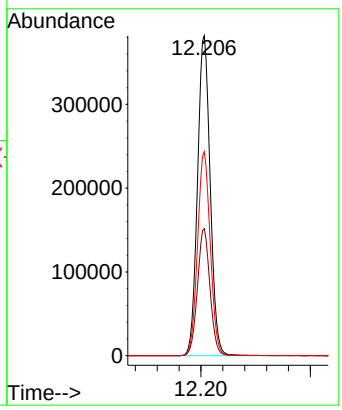


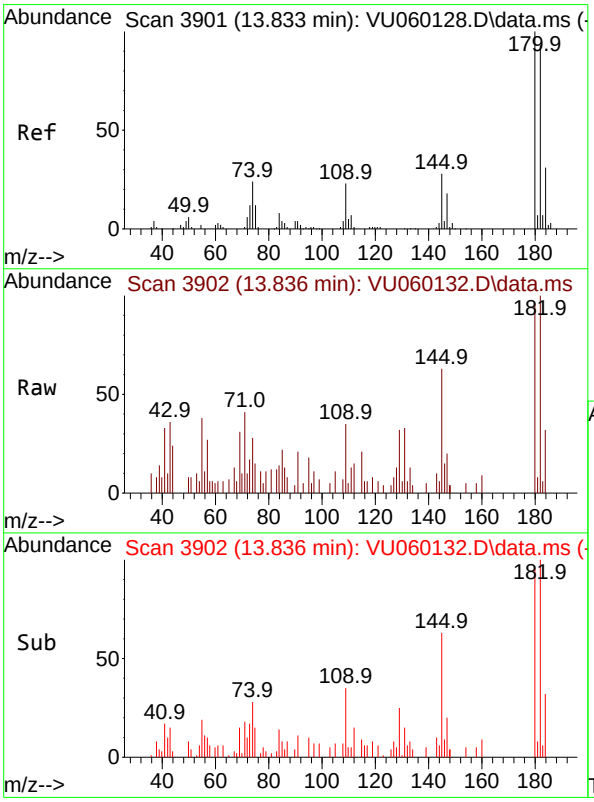
#67
1,2-Dichlorobenzene
Concen: 27.284 ug/L
RT: 12.206 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Instrument :
MSVOA_U
ClientSampleId :
YDZF2

Tgt Ion:146 Resp: 613496

Ion	Ratio	Lower	Upper
146	100		
111	39.7	30.9	46.3
148	63.7	49.8	74.8





#70
1,2,4-trichlorobenzene
Concen: 0.297 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU060132.D
Acq: 23 Jul 2024 23:39

Tgt Ion:180 Resp: 4005

Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.2	115.8
145	86.3	23.0	34.4#