Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063541.D
Acq On : 18 Jul 2025 17:25
Operator : MD/SY
Sample : Q2552-07DL 5X
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Quant Time: Jul 18 23:52:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration

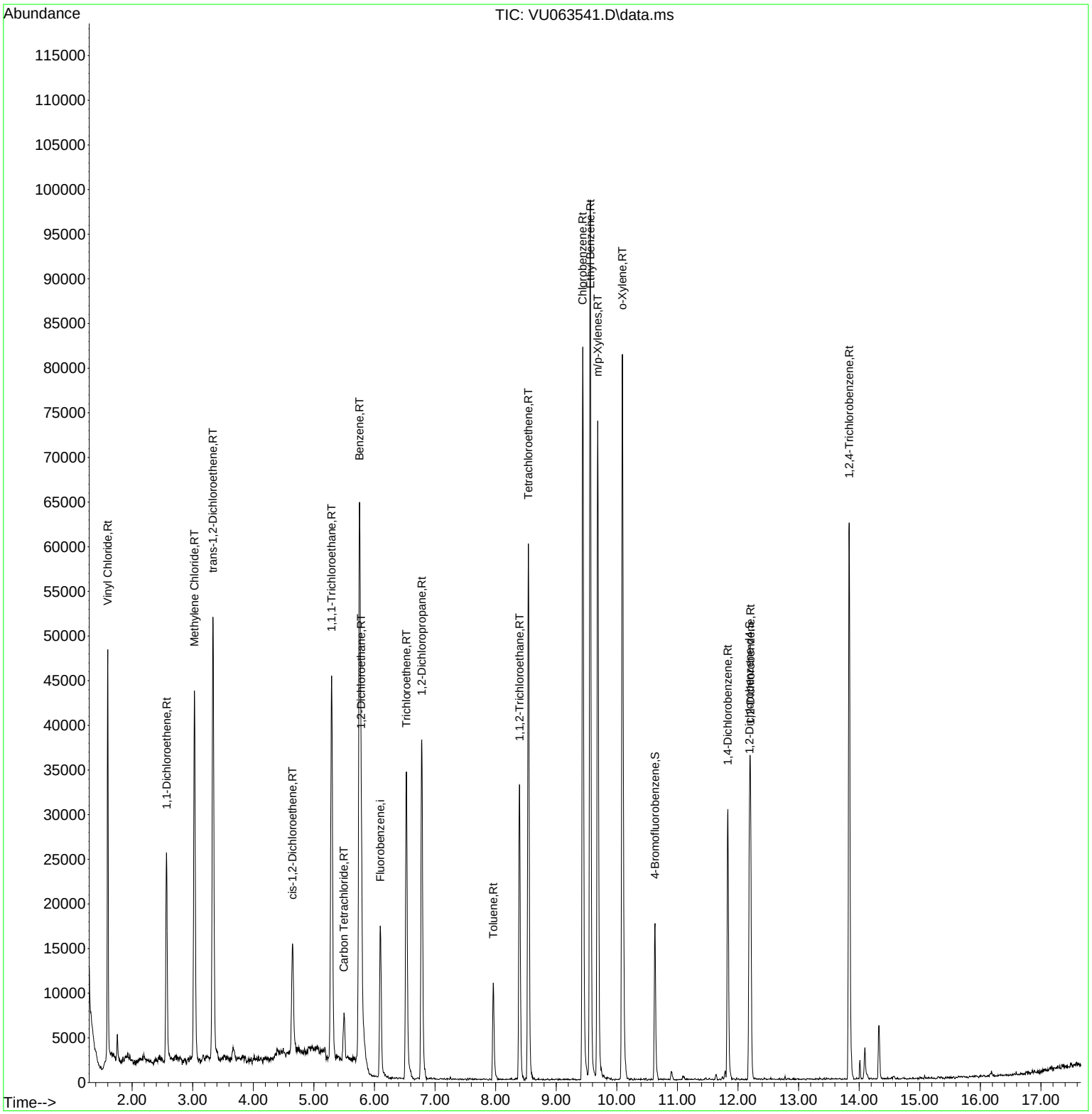
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.097	96	16405	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	6421	1.034	ug/l	0.00
Spiked Amount 1.000			Recovery = 103.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	5884	1.024	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.000%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.599	62	28569	4.989	ug/l	99
9) 1,1-Dichloroethene	2.570	96	7910	1.857	ug/l	93
15) Methylene Chloride	3.030	84	18061	3.602	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	20327	4.202	ug/l	98
22) cis-1,2-Dichloroethene	4.650	96	6421	1.223	ug/l	87
28) 1,1,1-Trichloroethane	5.293	97	29732	3.829	ug/l	99
30) Carbon Tetrachloride	5.496	117	3051	0.488	ug/l	98
35) Benzene	5.753	78	62135	3.215	ug/l	98
36) 1,2-Dichloroethane	5.782	62	18106	3.015	ug/l	96
37) Trichloroethene	6.528	130	12102	2.454	ug/l	90
38) 1,2-Dichloropropane	6.782	63	15126	3.344	ug/l	99
49) Toluene	7.962	92	5105	0.484	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	10566	3.349	ug/l	97
58) Tetrachloroethene	8.541	164	12701	2.814	ug/l	97
59) Chlorobenzene	9.438	112	46978	3.876	ug/l	99
63) Ethyl Benzene	9.563	91	72286	3.466	ug/l	97
64) m/p-Xylenes	9.685	106	22061	2.721	ug/l	100
65) o-Xylene	10.094	106	21152	2.715	ug/l	94
83) 1,4-Dichlorobenzene	11.833	146	12497	1.284	ug/l	96
85) 1,2-Dichlorobenzene	12.206	146	11072	1.212	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	19064	3.356	ug/l	99

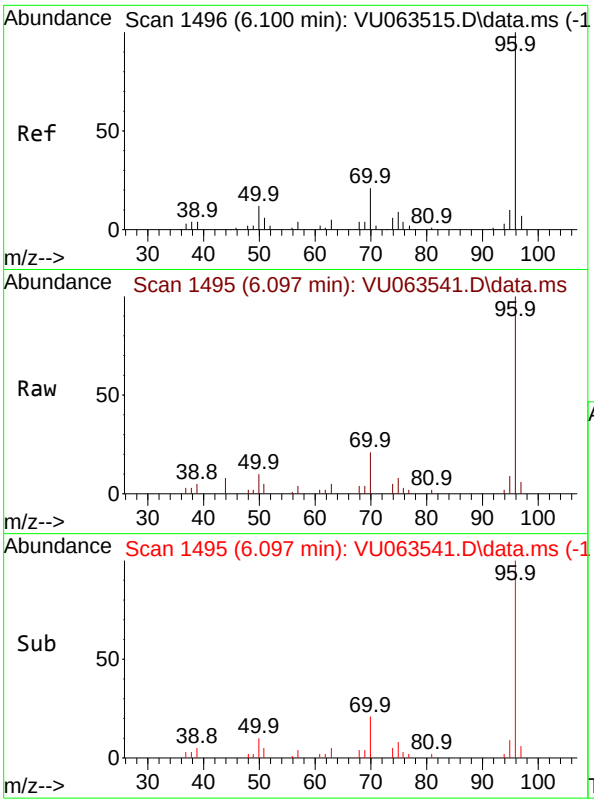
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063541.D
Acq On : 18 Jul 2025 17:25
Operator : MD/SY
Sample : Q2552-07DL 5X
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Quant Time: Jul 18 23:52:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration



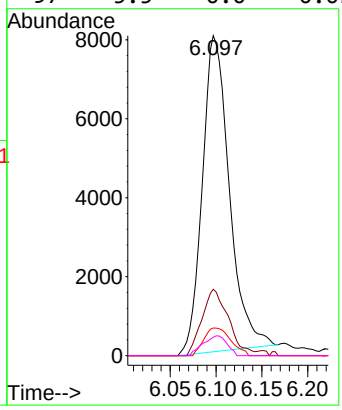


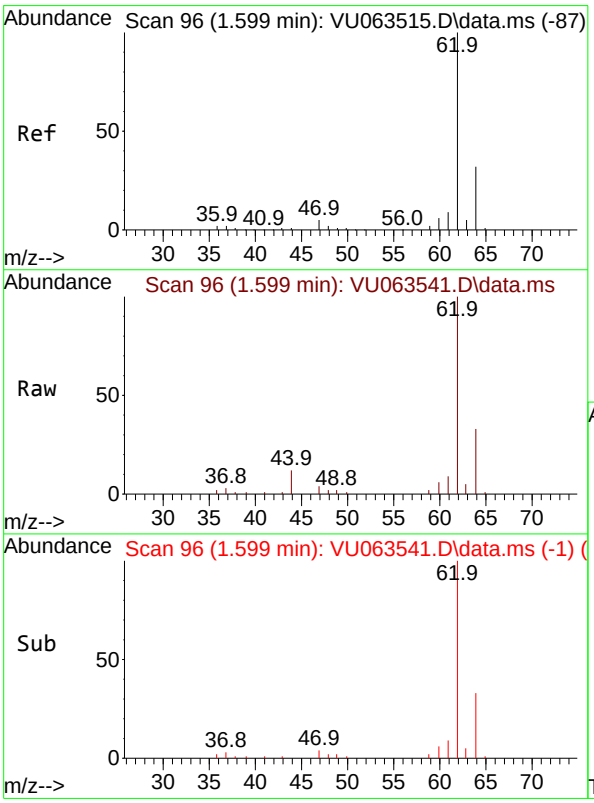
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.097 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion: 96 Resp: 16405

Ion	Ratio	Lower	Upper
96	100		
70	19.2	15.0	22.4
95	8.7	7.4	11.0
97	5.5	0.0	0.0#

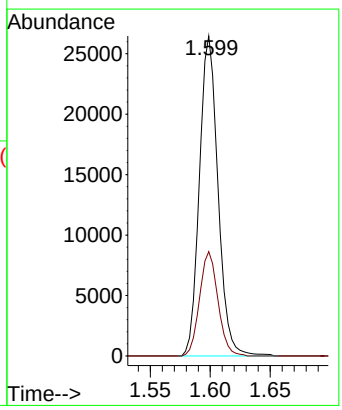


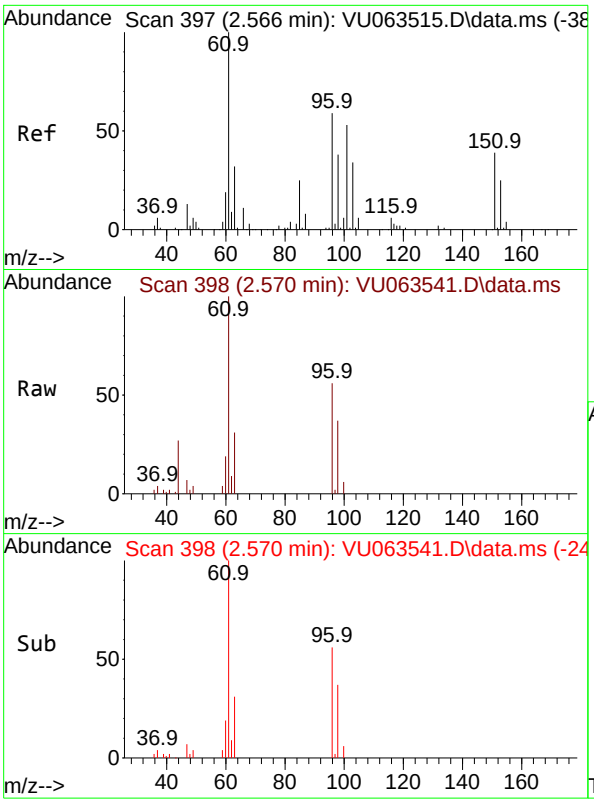


#4
Vinyl Chloride
Concen: 4.989 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 62 Resp: 28569

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.7	38.5



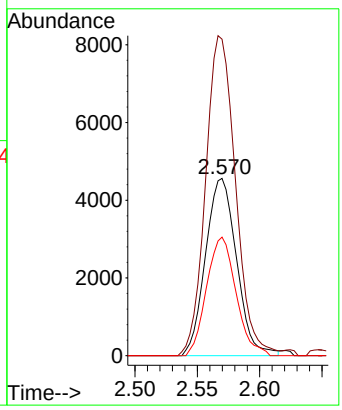


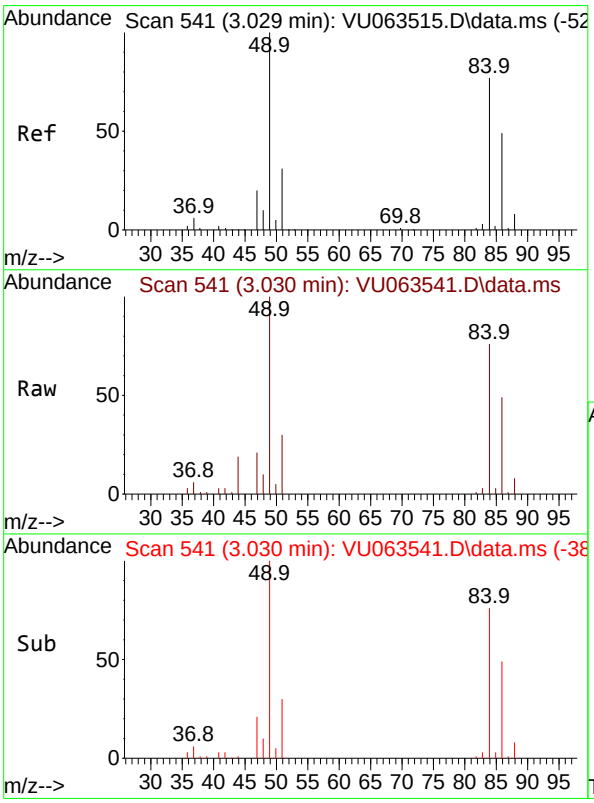
#9
1,1-Dichloroethene
Concen: 1.857 ug/l
RT: 2.570 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion: 96 Resp: 7910

Ion	Ratio	Lower	Upper
96	100		
61	178.5	0.0	504.3
98	66.9	0.0	126.8

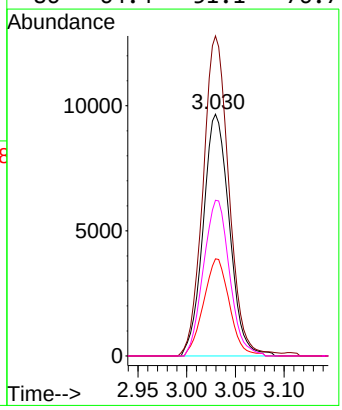


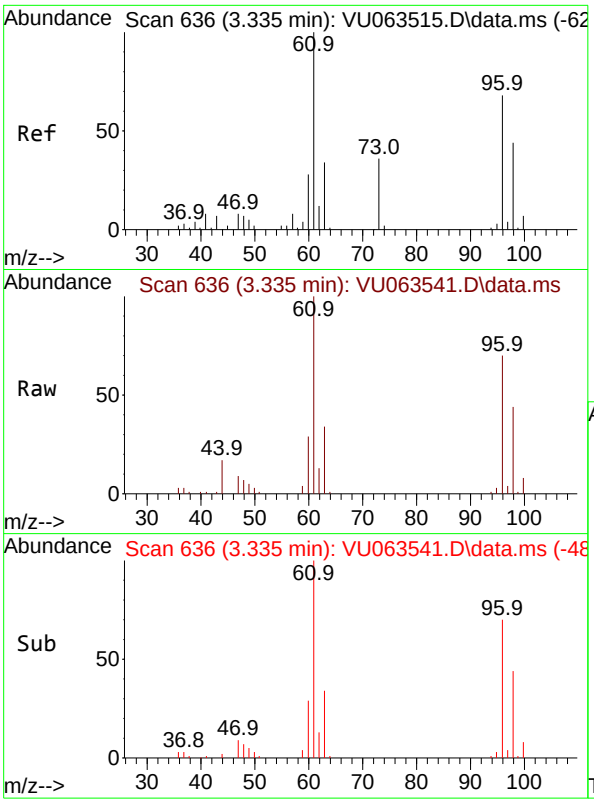


#15
Methylene Chloride
Concen: 3.602 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 84 Resp: 18061

Ion	Ratio	Lower	Upper
84	100		
49	132.4	103.8	155.8
51	40.2	0.0	80.4
86	64.4	51.1	76.7



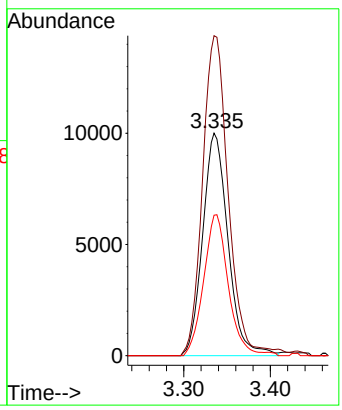


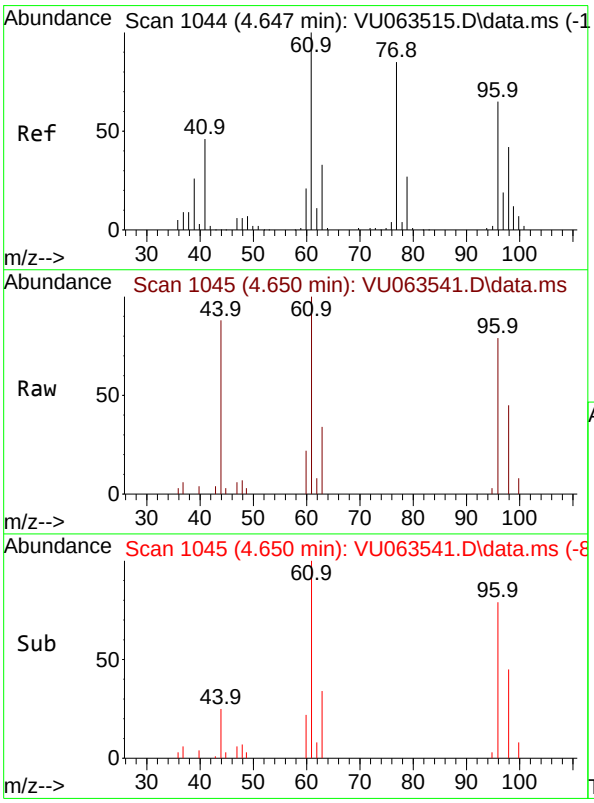
#16
trans-1,2-Dichloroethene
Concen: 4.202 ug/l
RT: 3.335 min Scan# 6
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion: 96 Resp: 20327

Ion	Ratio	Lower	Upper
96	100		
61	143.8	117.2	175.8
98	63.1	51.4	77.2

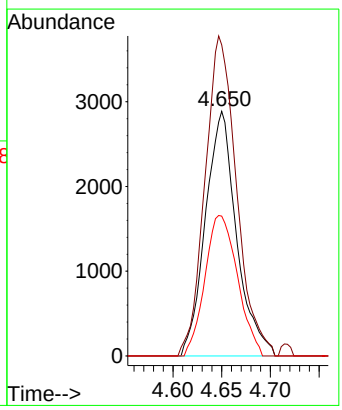


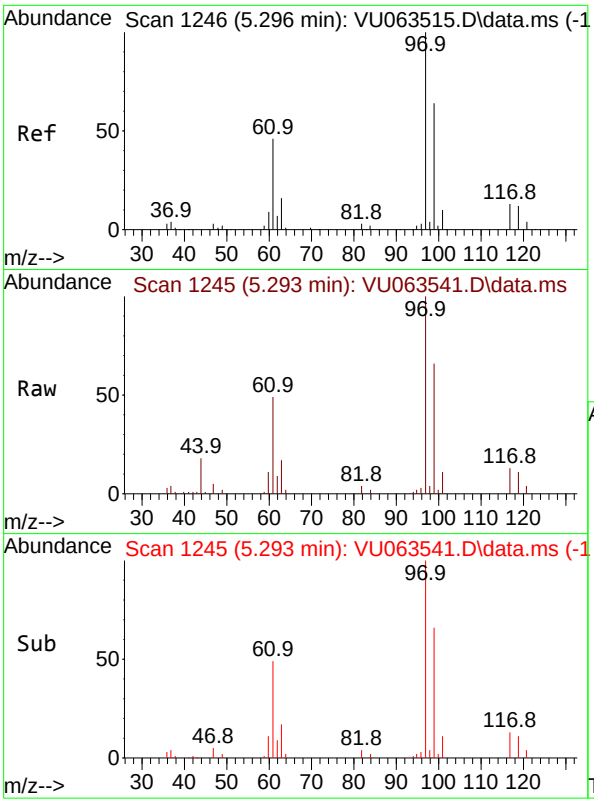


#22
cis-1,2-Dichloroethene
Concen: 1.223 ug/l
RT: 4.650 min Scan# 1045
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 96 Resp: 6421

Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	384.7
98	60.0	32.1	96.3



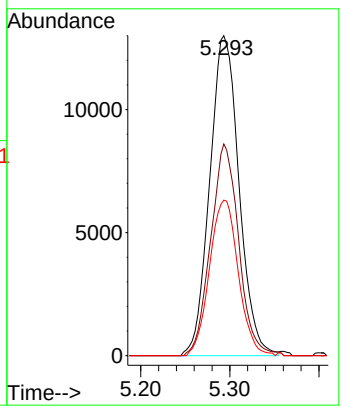


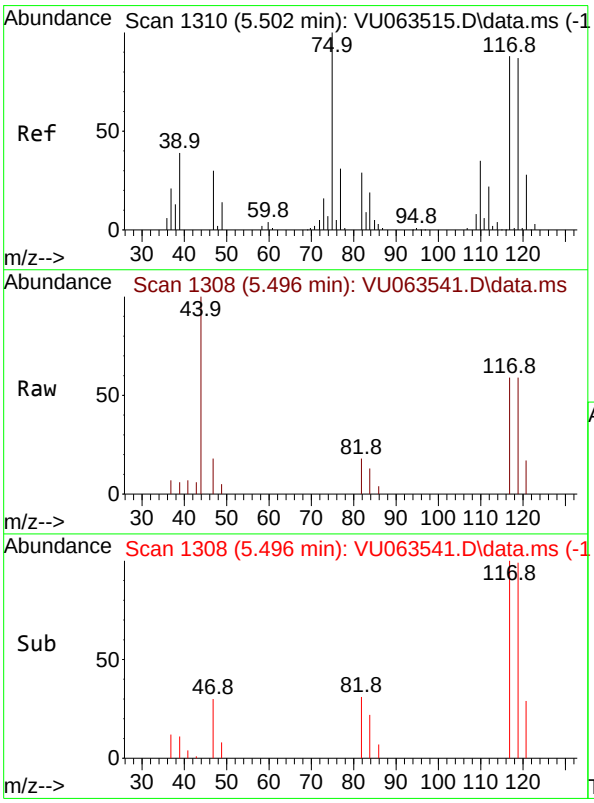
#28
1,1,1-Trichloroethane
Concen: 3.829 ug/l
RT: 5.293 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion: 97 Resp: 29732

Ion	Ratio	Lower	Upper
97	100		
99	63.2	31.8	95.3
61	47.8	23.3	69.9

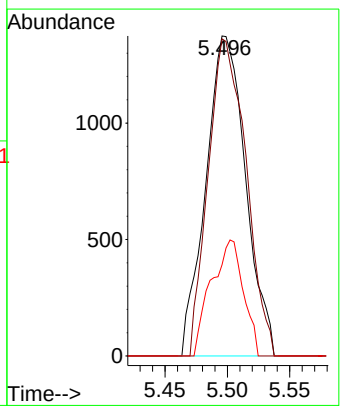


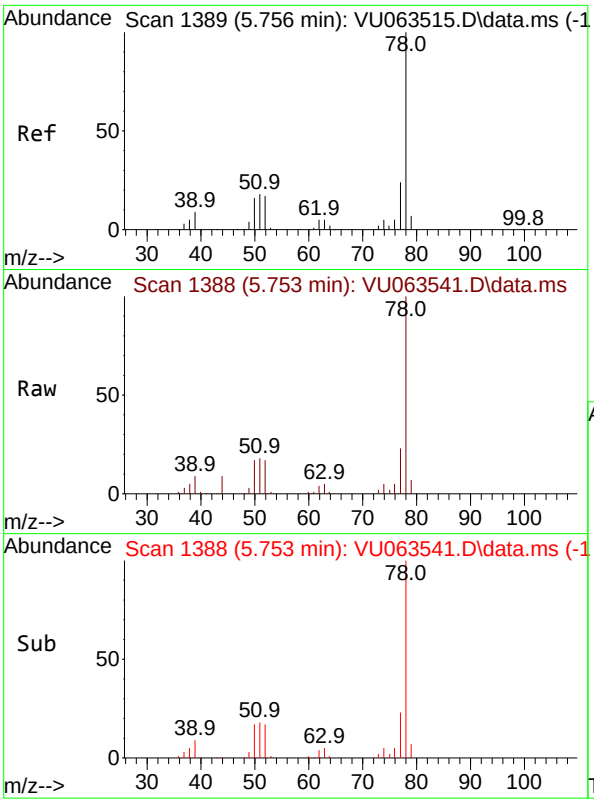


#30
Carbon Tetrachloride
Concen: 0.488 ug/l
RT: 5.496 min Scan# 1308
Delta R.T. -0.006 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion:117 Resp: 3051

Ion	Ratio	Lower	Upper
117	100		
119	99.1	79.2	118.8
121	28.5	25.5	38.3



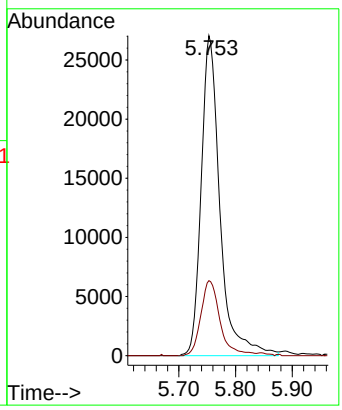


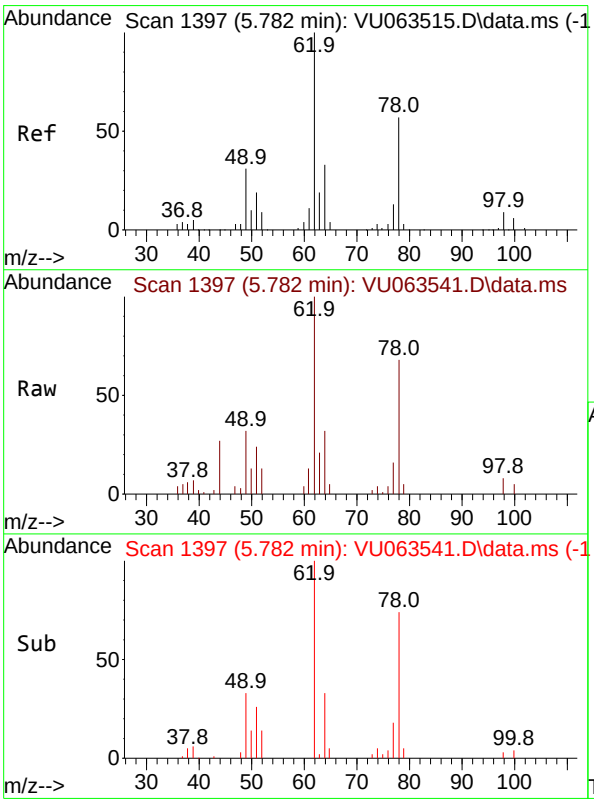
#35
Benzene
Concen: 3.215 ug/l
RT: 5.753 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion: 78 Resp: 62135

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.2

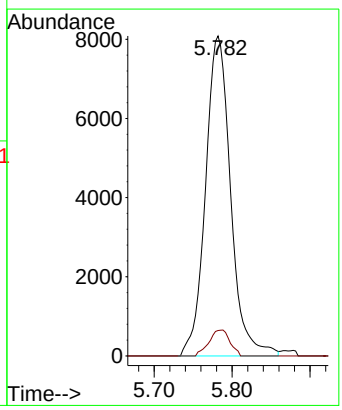


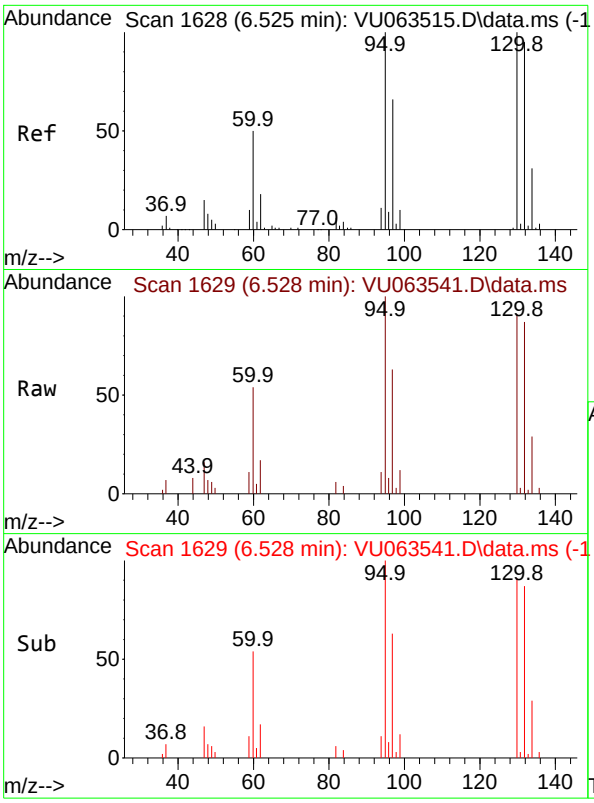


#36
1,2-Dichloroethane
Concen: 3.015 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 62 Resp: 18106

Ion	Ratio	Lower	Upper
62	100		
98	6.7	6.4	9.6



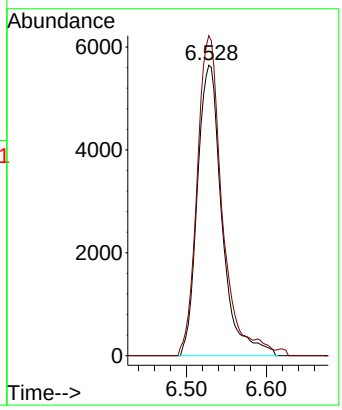


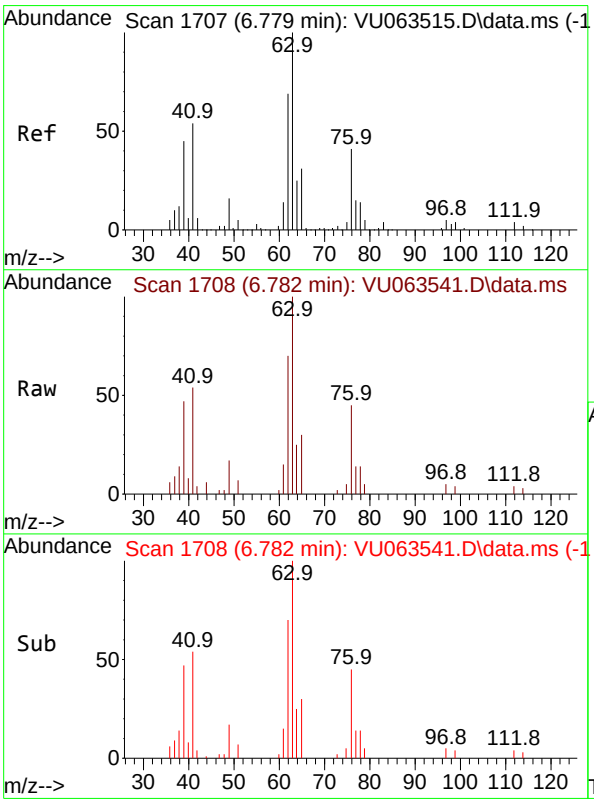
#37
Trichloroethene
Concen: 2.454 ug/l
RT: 6.528 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion:130 Resp: 12102

Ion	Ratio	Lower	Upper
130	100		
95	110.2	80.3	120.5

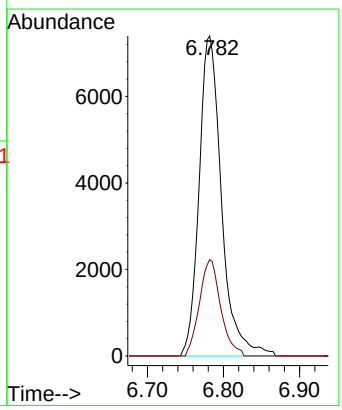


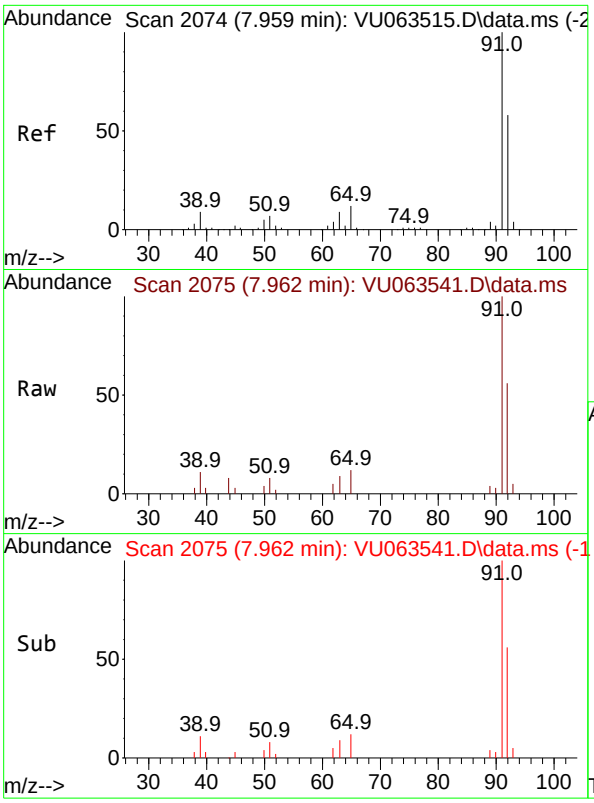


#38
1,2-Dichloropropane
Concen: 3.344 ug/l
RT: 6.782 min Scan# 1708
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 63 Resp: 15126

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	36.8



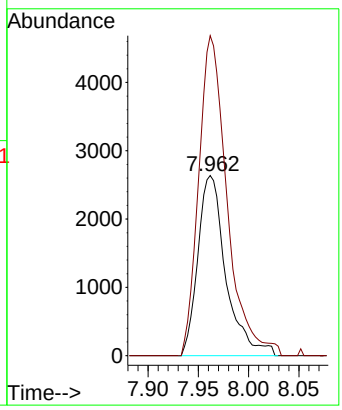


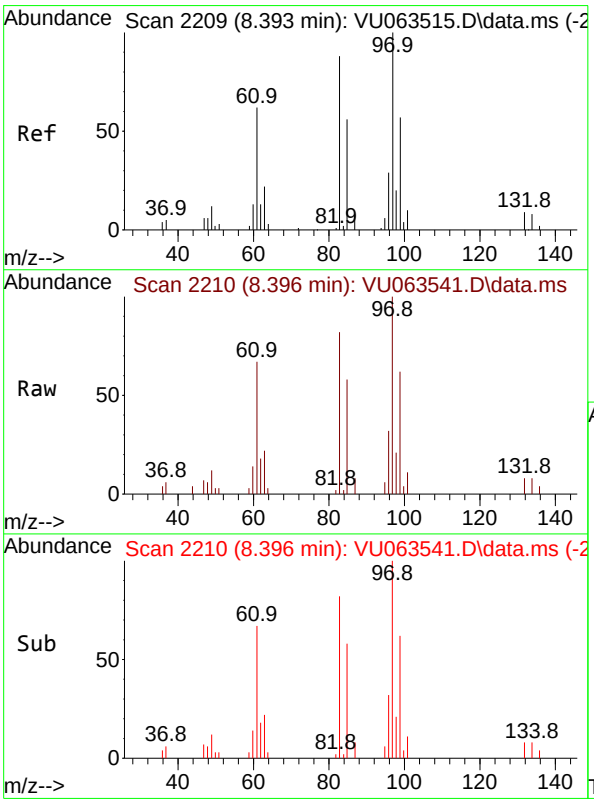
#49
Toluene
Concen: 0.484 ug/l
RT: 7.962 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion: 92 Resp: 5105

Ion	Ratio	Lower	Upper
92	100		
91	180.1	140.4	210.6

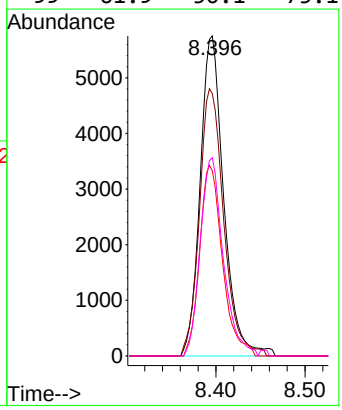


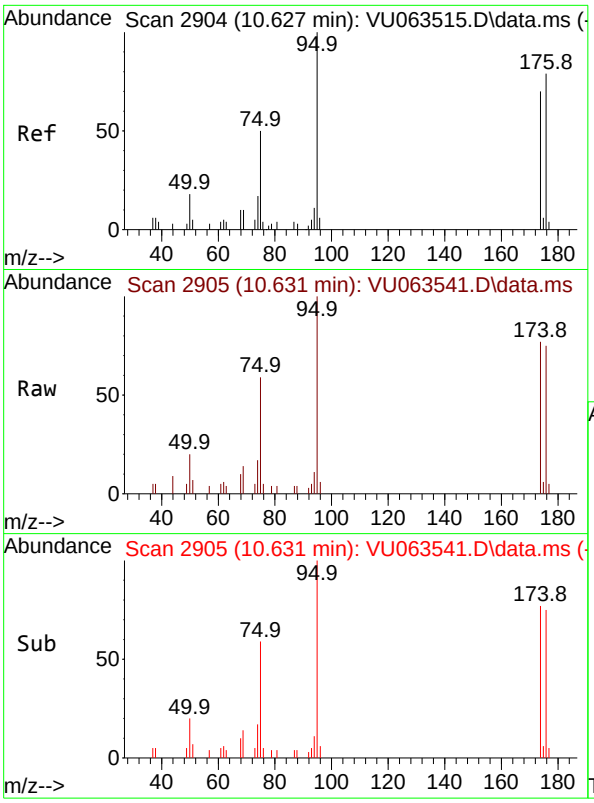


#52
1,1,2-Trichloroethane
Concen: 3.349 ug/l
RT: 8.396 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 97 Resp: 10566

Ion	Ratio	Lower	Upper
97	100		
83	82.0	70.2	105.2
85	57.9	45.2	67.8
99	61.9	50.1	75.1



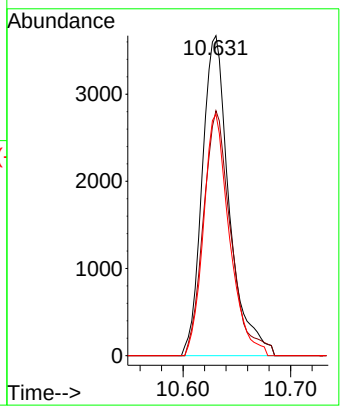


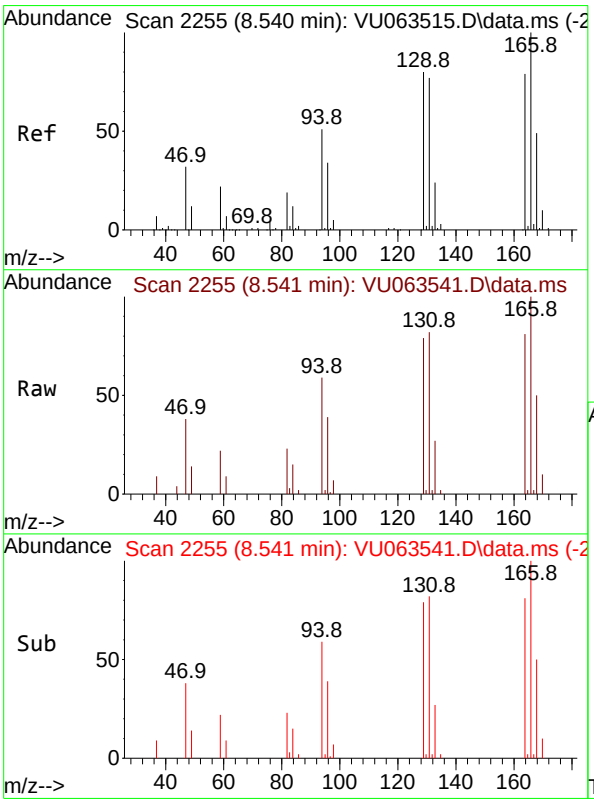
#57
4-Bromofluorobenzene
Concen: 1.034 ug/l
RT: 10.631 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion: 95 Resp: 6421

Ion	Ratio	Lower	Upper
95	100		
174	77.6	59.8	89.8
176	72.3	61.8	92.8

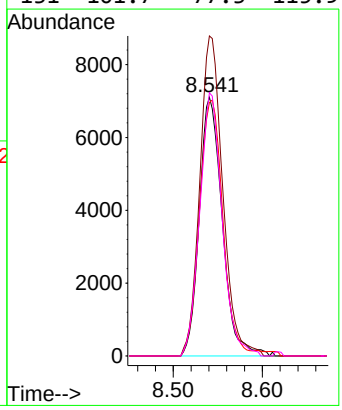


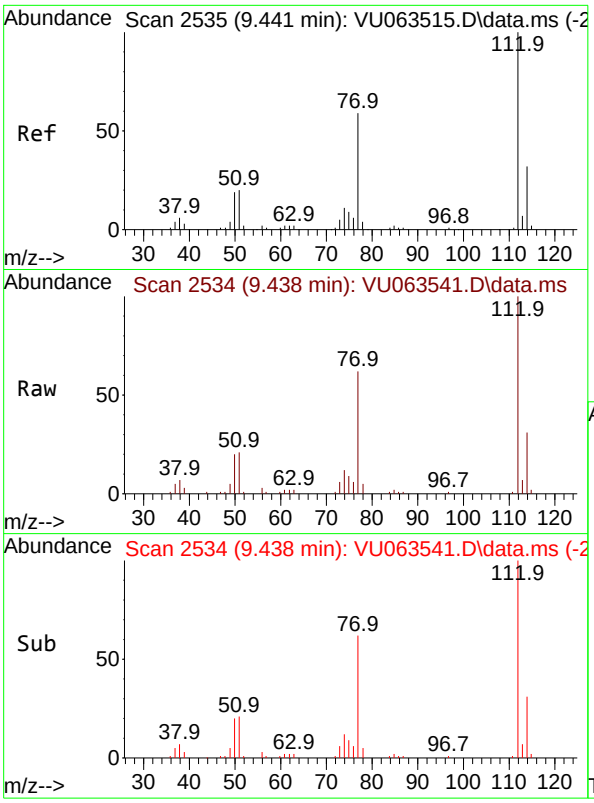


#58
Tetrachloroethene
Concen: 2.814 ug/l
RT: 8.541 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion:164 Resp: 12701

Ion	Ratio	Lower	Upper
164	100		
166	123.7	100.7	151.1
129	98.0	80.6	120.8
131	101.7	77.3	115.9



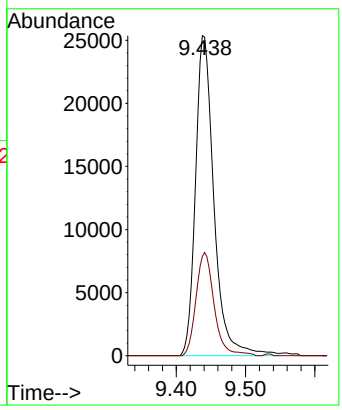


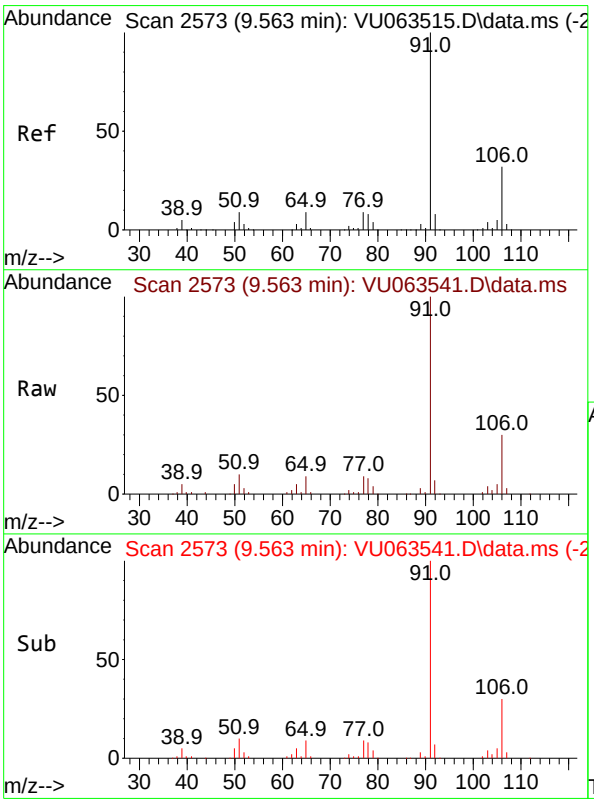
#59
Chlorobenzene
Concen: 3.876 ug/l
RT: 9.438 min Scan# 2
Delta R.T. -0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion:112 Resp: 46978

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.2

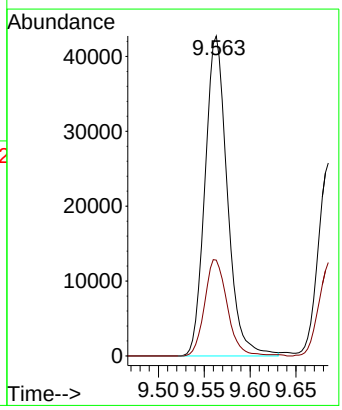


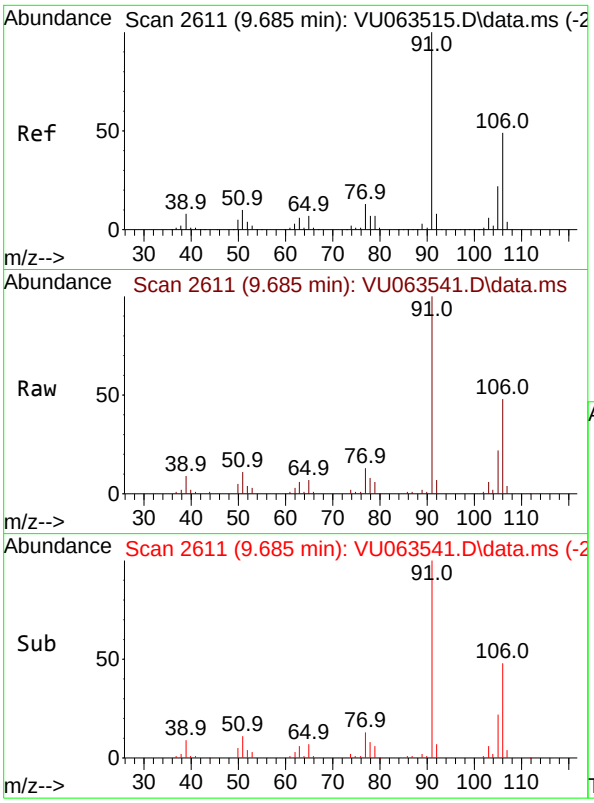


#63
Ethyl Benzene
Concen: 3.466 ug/l
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 91 Resp: 72286

Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.4	38.0



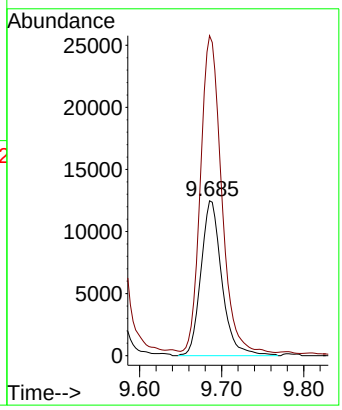


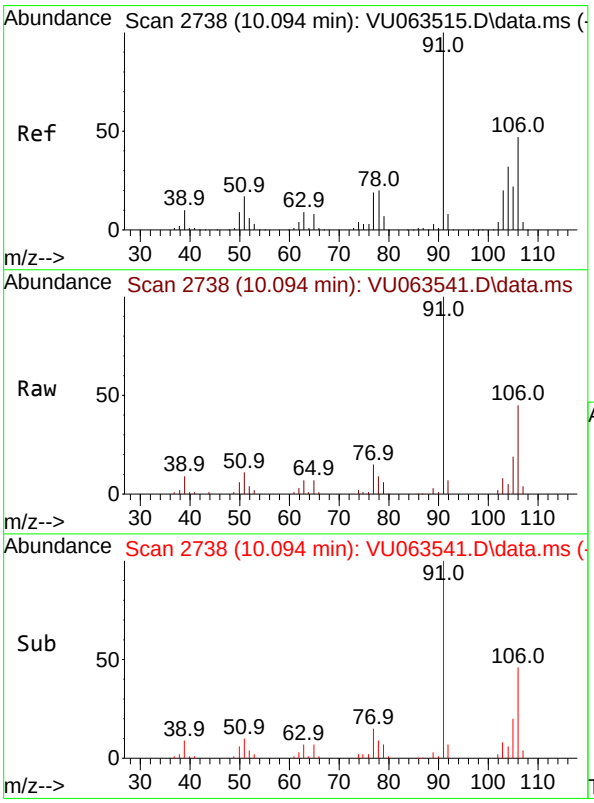
#64
m/p-Xylenes
Concen: 2.721 ug/l
RT: 9.685 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion:106 Resp: 22061

Ion	Ratio	Lower	Upper
106	100		
91	204.8	163.6	245.4

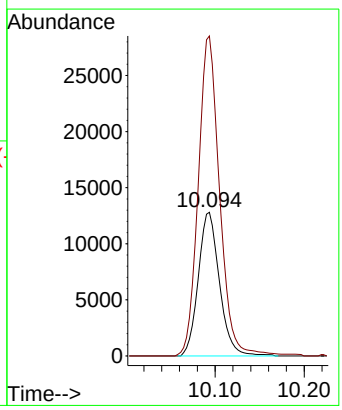


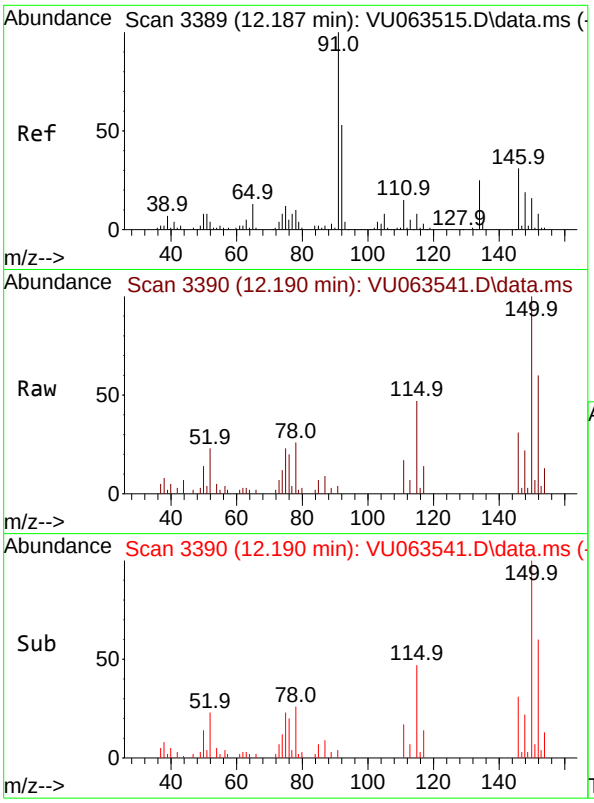


#65
o-Xylene
Concen: 2.715 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion:106 Resp: 21152

Ion	Ratio	Lower	Upper
106	100		
91	225.3	108.1	324.4



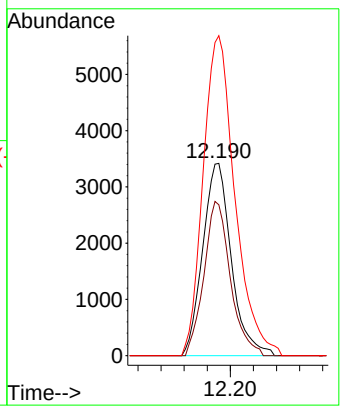


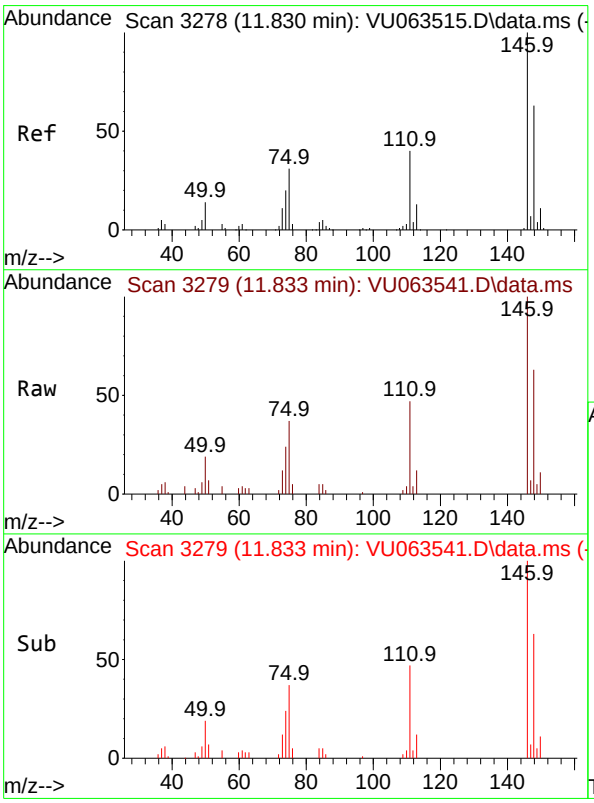
#68
1,2-Dichlorobenzene-d4
Concen: 1.024 ug/l
RT: 12.190 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion:152 Resp: 5884

Ion	Ratio	Lower	Upper
152	100		
115	74.1	0.0	262.2
150	184.5	0.0	651.2

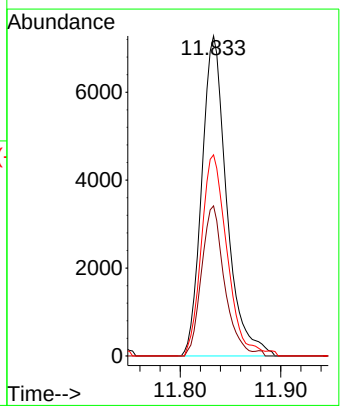


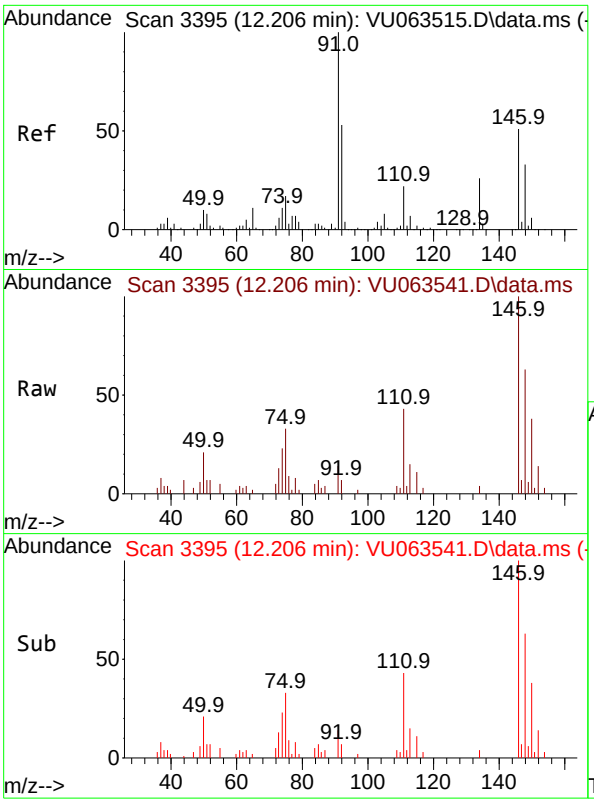


#83
1,4-Dichlorobenzene
Concen: 1.284 ug/l
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion:146 Resp: 12497

Ion	Ratio	Lower	Upper
146	100		
111	43.2	32.0	48.0
148	65.2	50.2	75.2



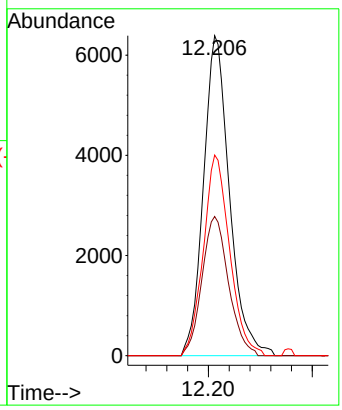


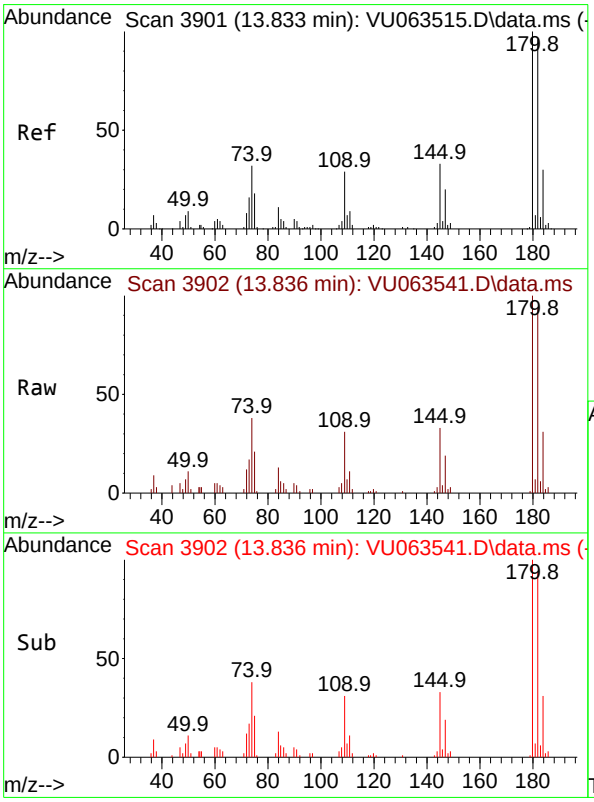
#85
1,2-Dichlorobenzene
Concen: 1.212 ug/l
RT: 12.206 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

Tgt Ion:146 Resp: 11072

Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.7	65.1
148	63.7	31.8	95.3





#87
1,2,4-Trichlorobenzene
Concen: 3.356 ug/l
RT: 13.836 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion:180 Resp: 19064

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.4
145	33.0	26.2	39.2