Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120822\
Data File : VU052257.D
Acq On : 08 Dec 2022 18:34
Operator : JC/MD
Sample : N5930-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Quant Time: Dec 08 22:33:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 08 04:19:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	1243	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.427	117	985	5.000	ug/L	# 0.01
58) 1,4-Dichlorobenzene-d4	11.806	152	1354	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.356	65	203	1.679	ug/L	-0.24
Spiked Amount 5.000	Range 40 - 130		Recovery = 33.600%#			
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount 5.000	Range 65 - 130		Recovery = 0.000%#			
11) 1,1-Dichloroethene-d2	2.568	65	20	0.461	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 9.200%#			
20) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount 50.000	Range 40 - 130		Recovery = 0.000%#			
24) Chloroform-d	5.086	84	13054	73.481	ug/L	0.03
Spiked Amount 5.000	Range 70 - 125		Recovery = 1469.600%#			
26) 1,2-Dichloroethane-d4	5.706	65	809	9.016	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 180.400%#			
32) Benzene-d6	5.735	84	272	0.930	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 18.600%#			
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount 5.000	Range 60 - 140		Recovery = 0.000%#			
41) Toluene-d8	7.896	98	1273	4.811	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.200%			
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount 5.000	Range 55 - 130		Recovery = 0.000%#			
46) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount 50.000	Range 45 - 130		Recovery = 0.000%#			
56) 1,1,2,2-Tetrachloroeth...	10.754	84	279	3.556	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 71.200%			
66) 1,2-Dichlorobenzene-d4	12.188	152	909	3.507	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 70.200%#			
Target Compounds						Qvalue
3) Chloromethane	1.523	50	1239	8.806	ug/L	93
5) Vinyl chloride	1.375	62	41	0.303	ug/L #	41
6) Bromomethane	1.858	94	69	0.995	ug/L #	3
8) Chloroethane	1.935	64	218	2.593	ug/L #	45
13) Acetone	2.662	43	37724	2534.842	ug/L	69
14) Carbon disulfide	2.797	76	2860	9.162	ug/L	100
15) Methyl Acetate	3.035	43	246	6.373	ug/L #	48
16) Methylene chloride	3.047	84	107665	882.583	ug/L	98
17) Methyl tert-butyl Ether	3.362	73	148	0.733	ug/L #	16
19) 1,1-Dichloroethane	3.687	63	22	0.126	ug/L #	50
21) 2-Butanone	4.755	43	677	28.382	ug/L #	56
23) Bromochloromethane	4.964	128	150	3.091	ug/L #	1
25) Chloroform	5.086	83	331785	1879.536	ug/L	98
27) 1,2-Dichloroethane	5.796	62	287	2.655	ug/L #	72
29) 1,1,1-Trichloroethane	5.301	97	79	0.723	ug/L #	23
30) Cyclohexane	5.378	56	20	0.188	ug/L #	14
33) Benzene	5.777	78	1293	4.033	ug/L	100
34) Trichloroethene	6.539	95	8627	107.897	ug/L	91
35) Methylcyclohexane	6.768	83	269	2.339	ug/L #	63

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120822\
Data File : VU052257.D
Acq On : 08 Dec 2022 18:34
Operator : JC/MD
Sample : N5930-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Quant Time: Dec 08 22:33:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 08 04:19:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) Bromodichloromethane	7.108	83	7330	72.437	ug/L	#	97
40) 4-Methyl-2-pentanone	7.796	43	170	3.921	ug/L	#	40
42) Toluene	7.970	91	10267	31.136	ug/L		100
47) Tetrachloroethene	8.546	164	42	0.685	ug/L	#	25
48) 2-Hexanone	8.700	43	936	29.449	ug/L	#	66
49) Dibromochloromethane	8.806	129	1200	17.178	ug/L		93
51) Chlorobenzene	9.443	112	849	4.038	ug/L	#	86
52) Ethylbenzene	9.571	91	1504	4.692	ug/L		88
53) m,p-Xylene	9.690	106	2277	18.343	ug/L		87
54) o-Xylene	10.099	106	695	5.842	ug/L		87
60) Isopropylbenzene	10.099	105	222	0.261	ug/L	#	65
62) 1,3,5-Trimethylbenzene	10.099	105	222	0.327	ug/L	#	29
64) 1,3-Dichlorobenzene	11.841	146	377	0.868	ug/L		91
65) 1,4-Dichlorobenzene	11.841	146	377	0.870	ug/L		90
67) 1,2-Dichlorobenzene	12.214	146	1479	3.537	ug/L		87
71) Naphthalene	14.108	128	276	0.627	ug/L	#	1

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

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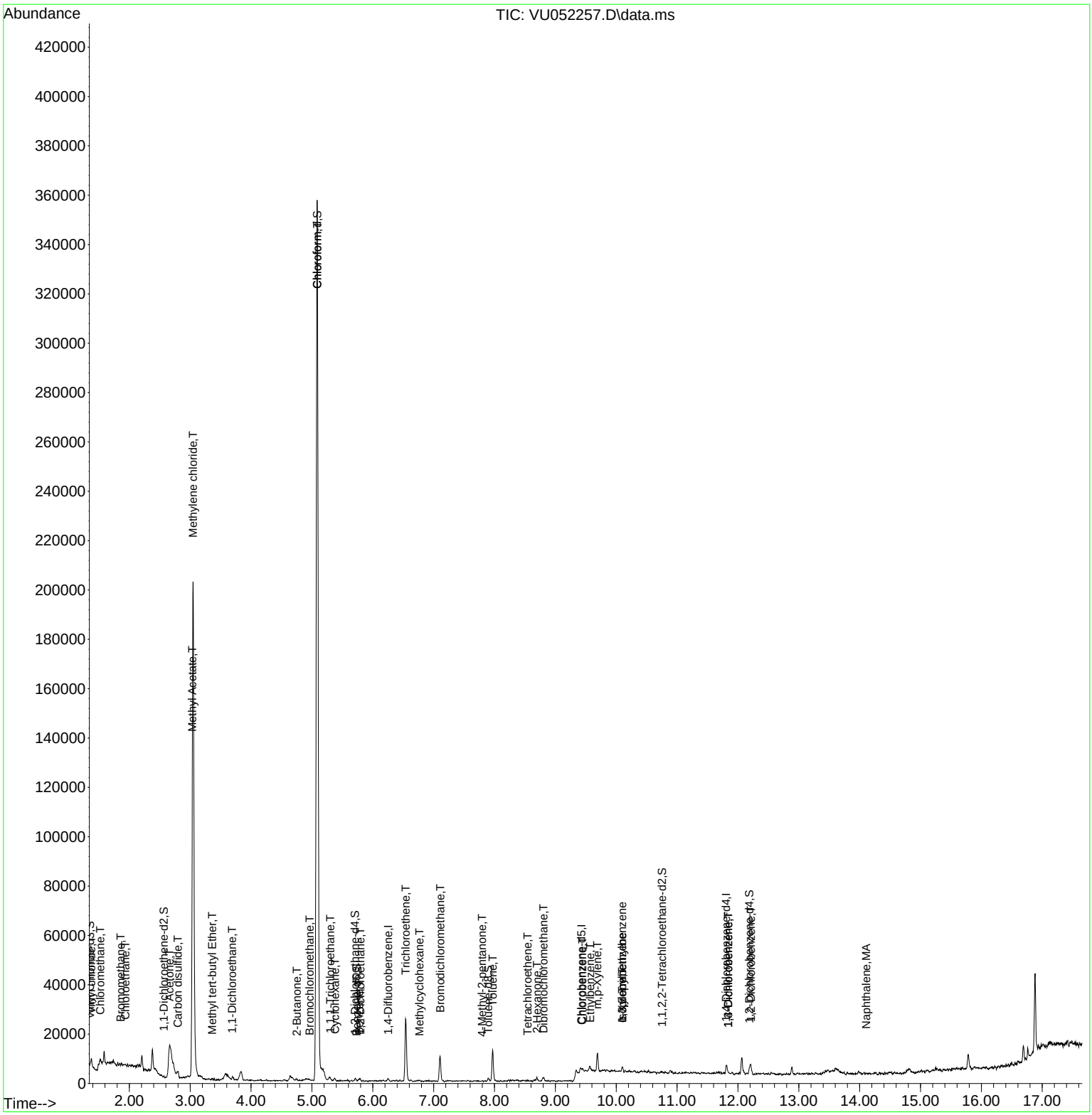
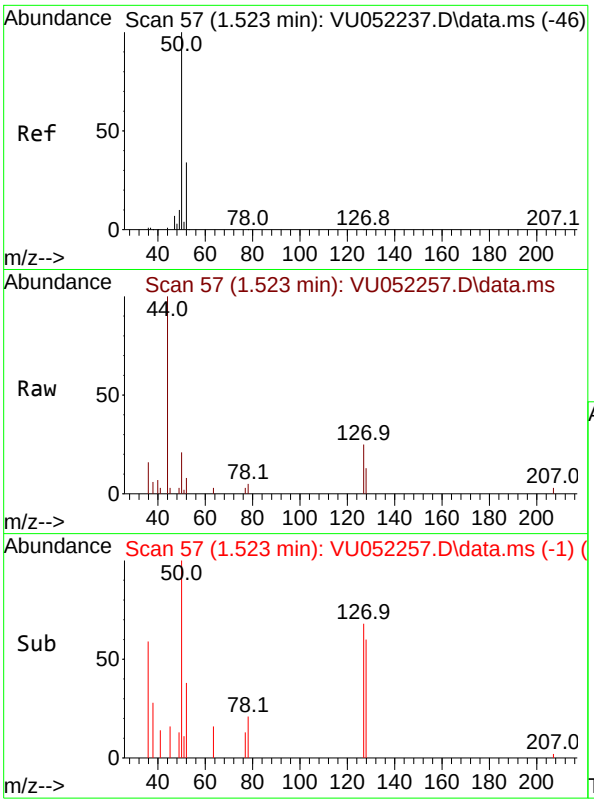
ClientSampleId :
EXZ85

Quant Time: Dec 08 22:33:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 08 04:19:43 2022
Response via : Initial Calibration



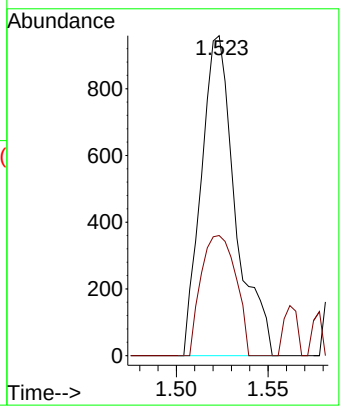


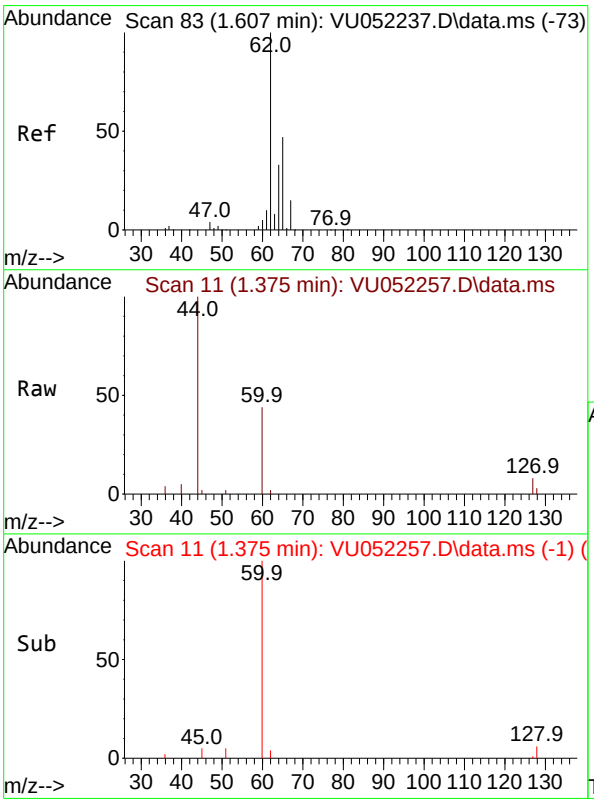
#3
Chloromethane
Concen: 8.806 ug/L
RT: 1.523 min Scan# 5
Delta R.T. 0.003 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 50 Resp: 1239

Ion	Ratio	Lower	Upper
50	100		
52	37.5	23.4	43.4

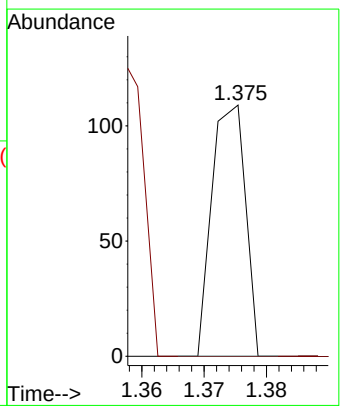


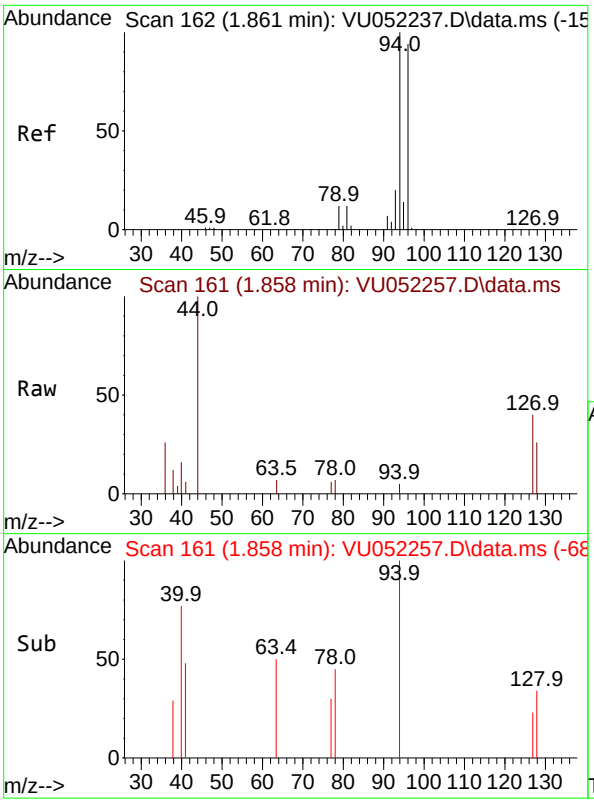


#5
Vinyl chloride
Concen: 0.303 ug/L
RT: 1.375 min Scan# 11
Delta R.T. -0.228 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 62 Resp: 41

Ion	Ratio	Lower	Upper
62	100		
64	0.0	23.5	43.7#



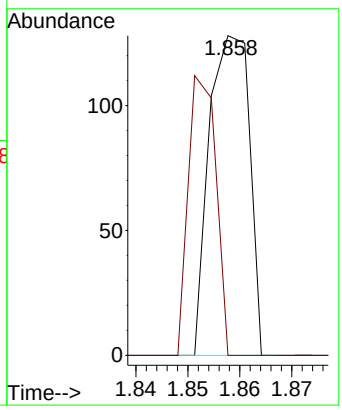


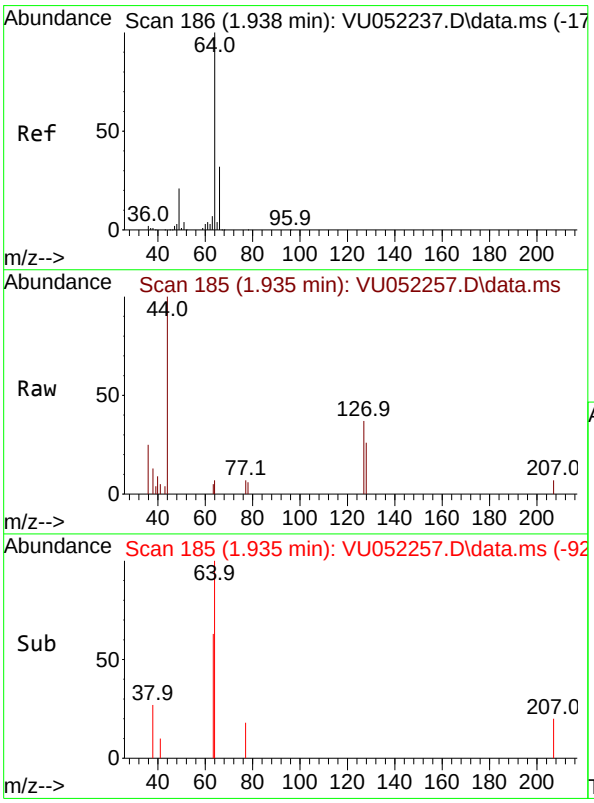
#6
Bromomethane
Concen: 0.995 ug/L
RT: 1.858 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 94 Resp: 69

Ion	Ratio	Lower	Upper
94	100		
96	0.0	65.7	122.1#

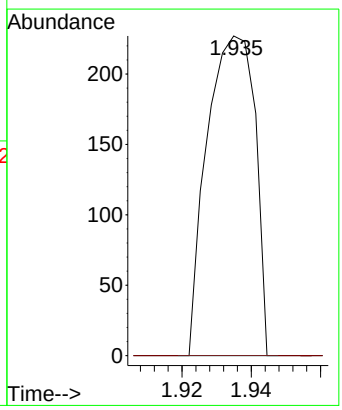


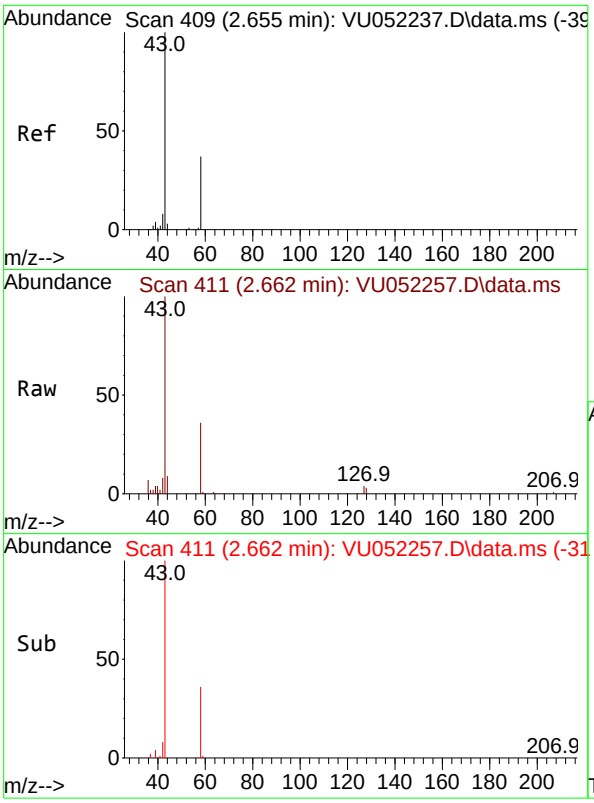


#8
Chloroethane
Concen: 2.593 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 64 Resp: 218

Ion	Ratio	Lower	Upper
64	100		
66	0.0	21.1	39.1#



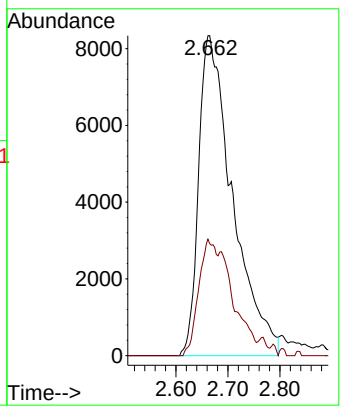


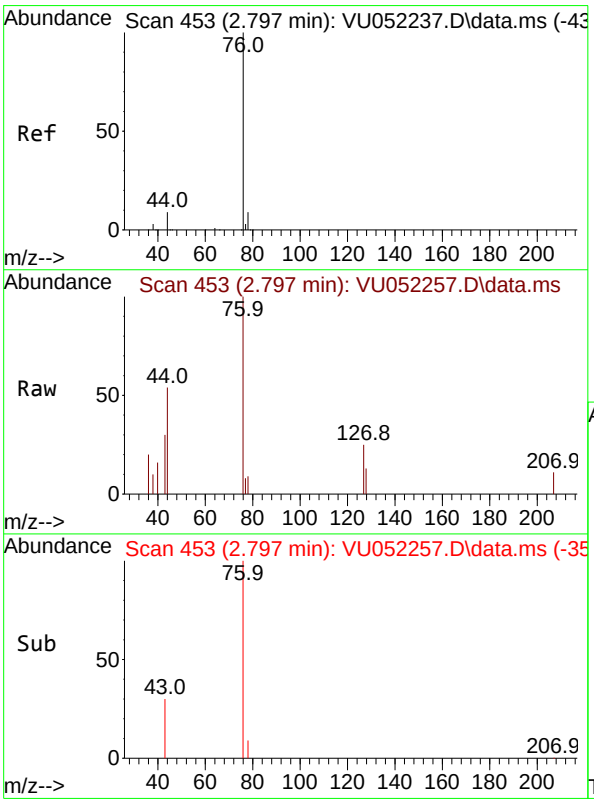
#13
Acetone
Concen: 2534.842 ug/L
RT: 2.662 min Scan# 41
Delta R.T. 0.016 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 43 Resp: 37724

Ion	Ratio	Lower	Upper
43	100		
58	19.4	0.0	76.0

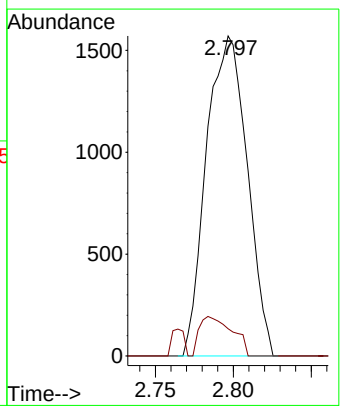


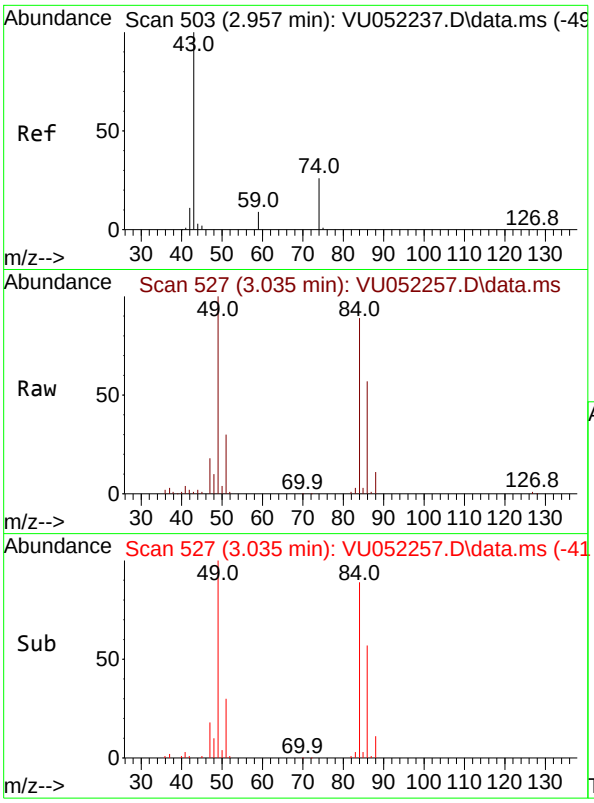


#14
Carbon disulfide
Concen: 9.162 ug/L
RT: 2.797 min Scan# 453
Delta R.T. 0.003 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 76 Resp: 2860

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4



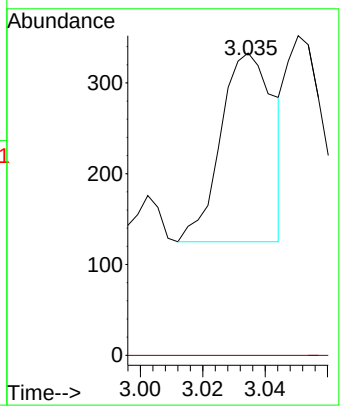


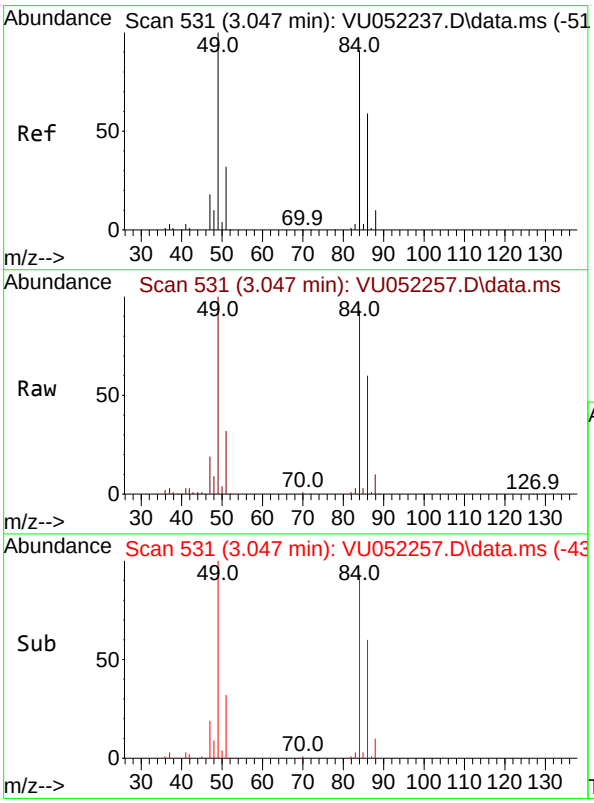
#15
Methyl Acetate
Concen: 6.373 ug/L
RT: 3.035 min Scan# 5
Delta R.T. 0.077 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 43 Resp: 246

Ion	Ratio	Lower	Upper
43	100		
74	0.0	21.3	31.9#

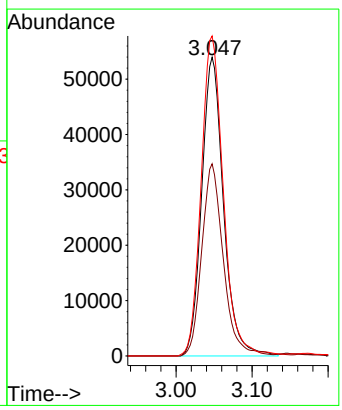


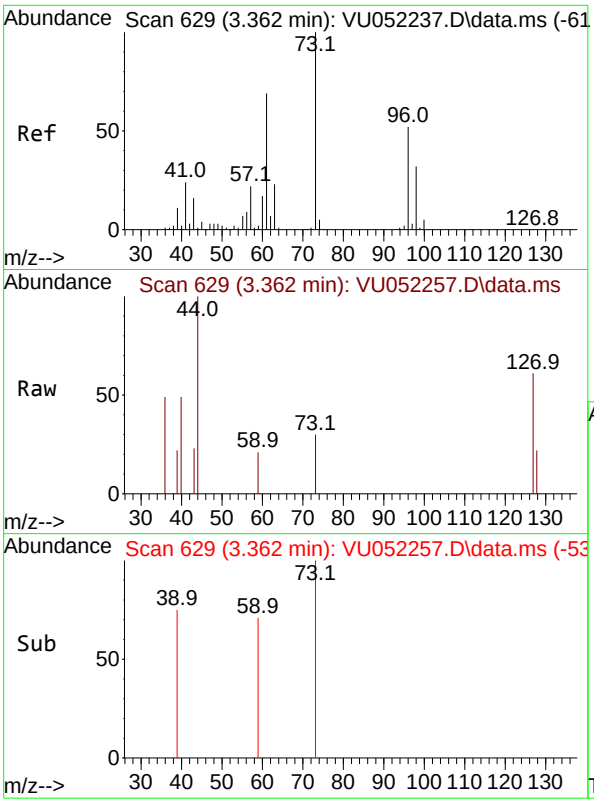


#16
Methylene chloride
Concen: 882.583 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 84 Resp: 107665

Ion	Ratio	Lower	Upper
84	100		
86	64.4	43.8	81.4
49	107.1	75.9	141.1



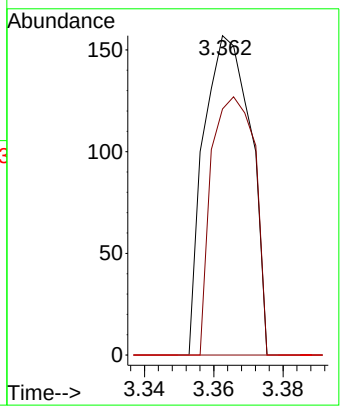


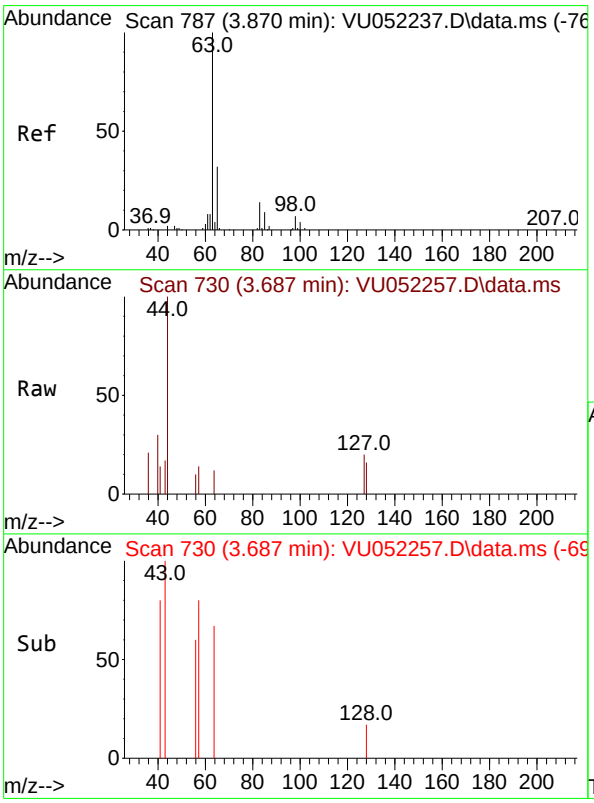
#17
Methyl tert-butyl Ether
Concen: 0.733 ug/L
RT: 3.362 min Scan# 6
Delta R.T. -0.000 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 73 Resp: 148

Ion	Ratio	Lower	Upper
73	100		
43	74.3	13.2	19.8#
57	0.0	17.8	26.8#

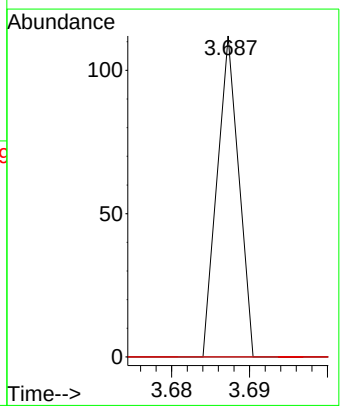


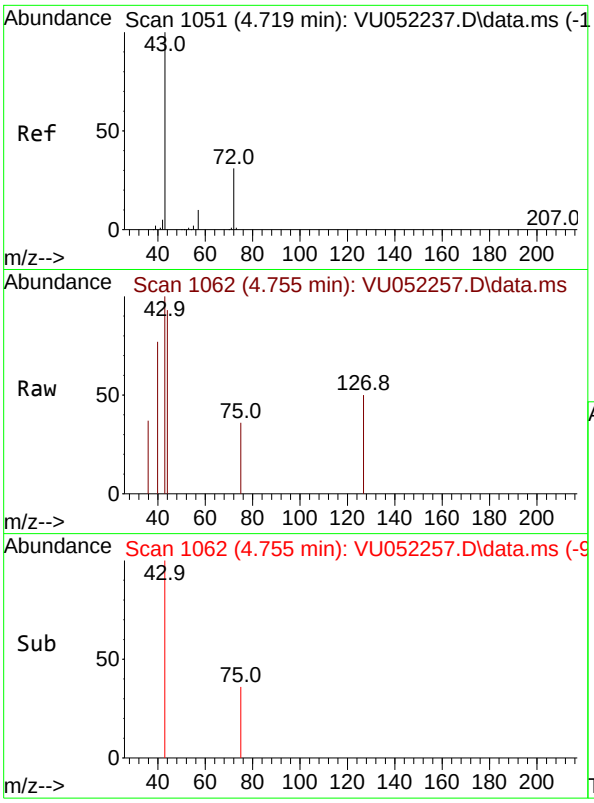


#19
1,1-Dichloroethane
Concen: 0.126 ug/L
RT: 3.687 min Scan# 730
Delta R.T. -0.180 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 63 Resp: 22

Ion	Ratio	Lower	Upper
63	100		
65	0.0	22.2	41.2#
83	0.0	9.2	17.0#



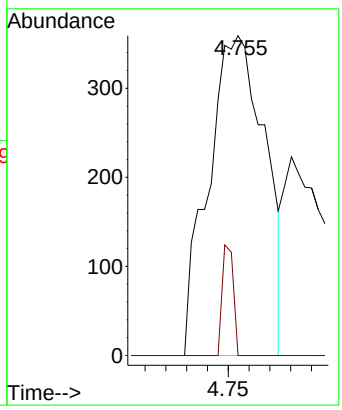


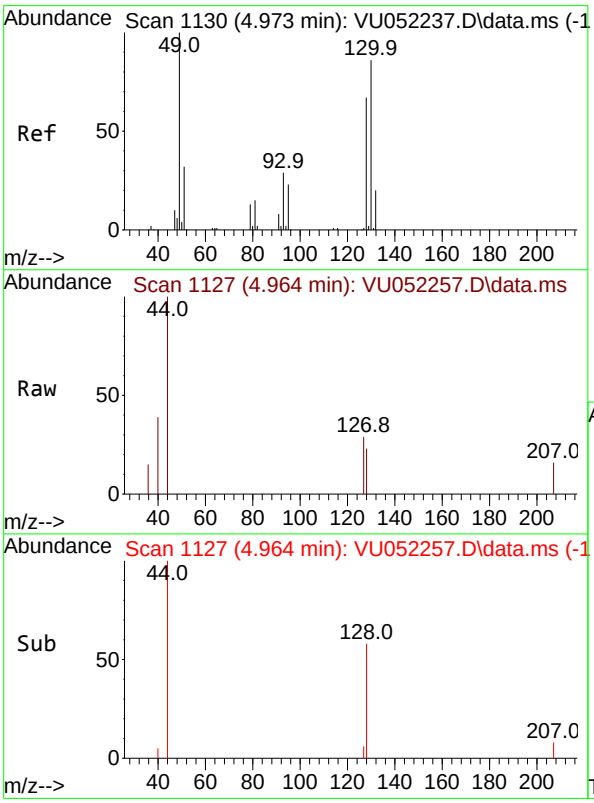
#21
2-Butanone
Concen: 28.382 ug/L
RT: 4.755 min Scan# 1
Delta R.T. 0.042 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 43 Resp: 677

Ion	Ratio	Lower	Upper
43	100		
72	6.8	15.6	46.8#

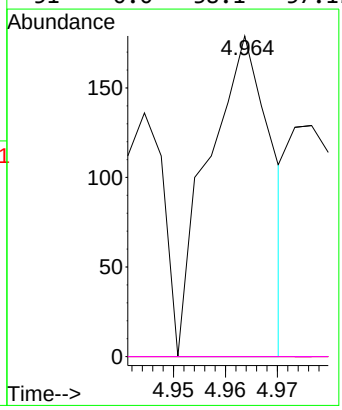


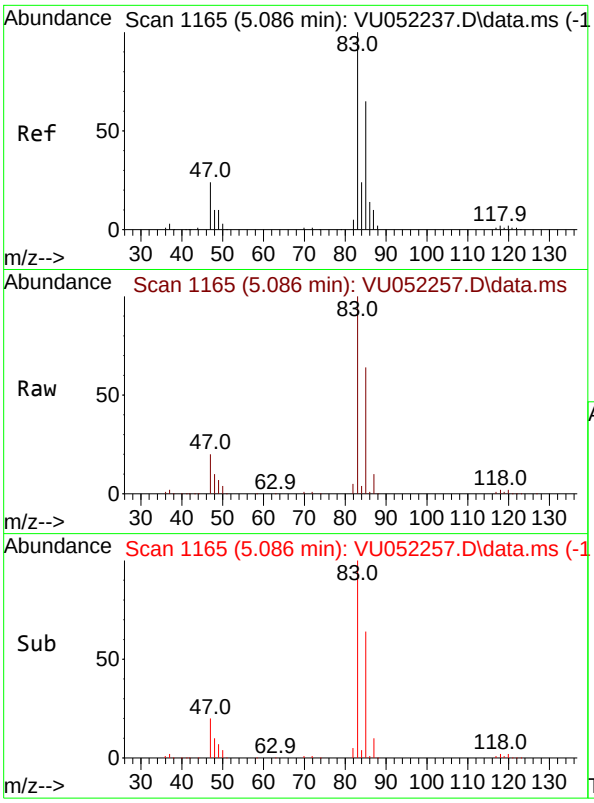


#23
Bromochloromethane
Concen: 3.091 ug/L
RT: 4.964 min Scan# 1127
Delta R.T. -0.010 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion:128 Resp: 150

Ion	Ratio	Lower	Upper
128	100		
49	0.0	104.0	193.2#
130	0.0	84.6	157.2#
51	0.0	38.1	57.1#



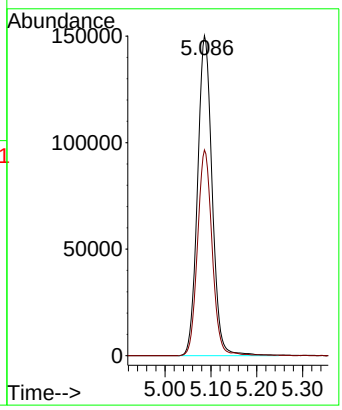


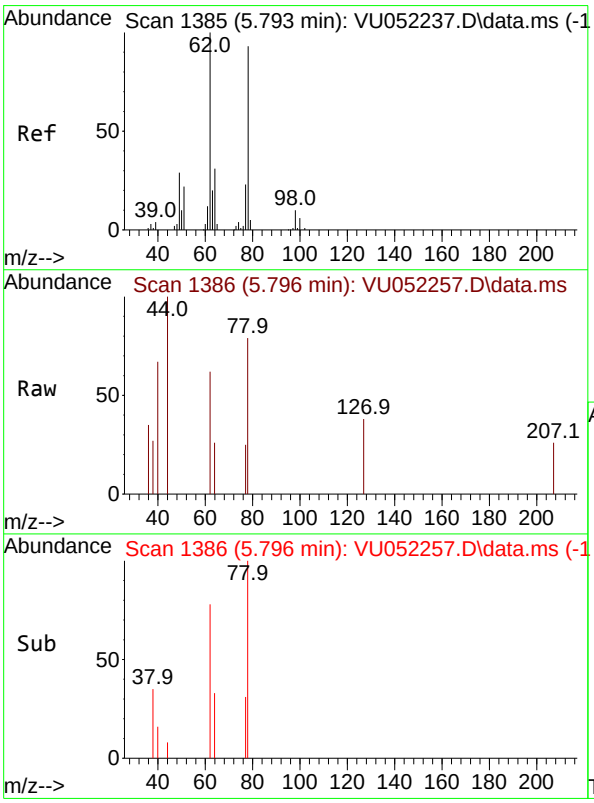
#25
Chloroform
Concen: 1879.536 ug/L
RT: 5.086 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 83 Resp: 331785

Ion	Ratio	Lower	Upper
83	100		
85	64.3	43.8	81.4

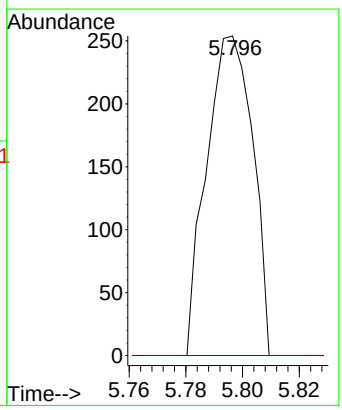


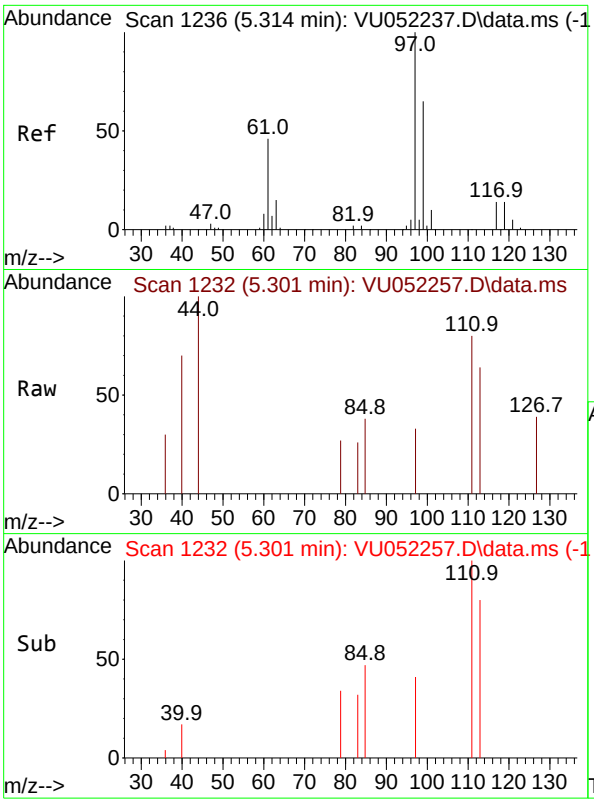


#27
1,2-Dichloroethane
Concen: 2.655 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 62 Resp: 287

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.4	12.6#



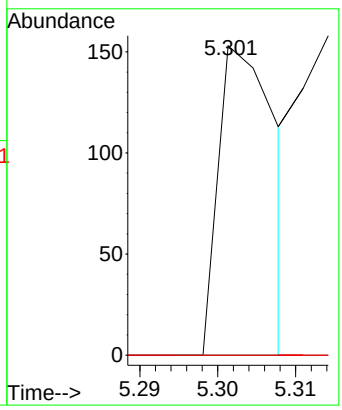


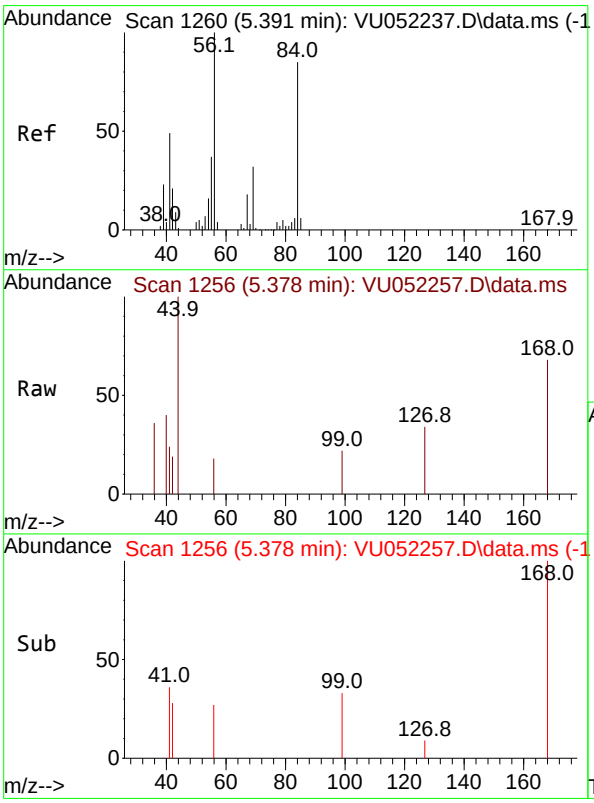
#29
1,1,1-Trichloroethane
Concen: 0.723 ug/L
RT: 5.301 min Scan# 1
Delta R.T. -0.013 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 97 Resp: 79

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	0.0	36.9	55.3#

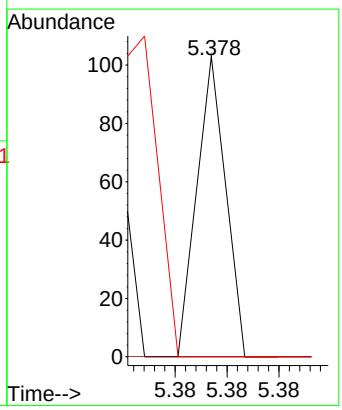


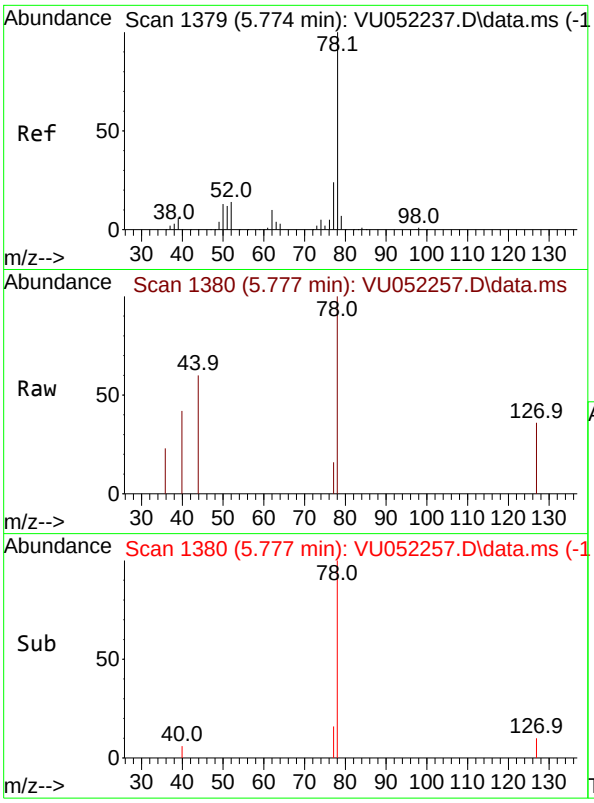


#30
Cyclohexane
Concen: 0.188 ug/L
RT: 5.378 min Scan# 1256
Delta R.T. -0.010 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 56 Resp: 20

Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.6	38.4#
84	0.0	72.0	108.0#

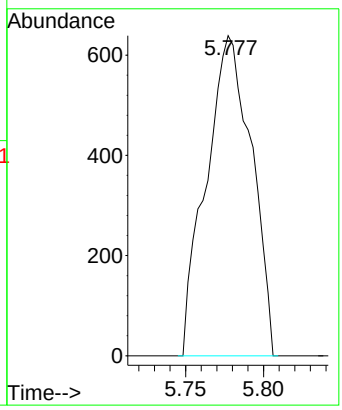


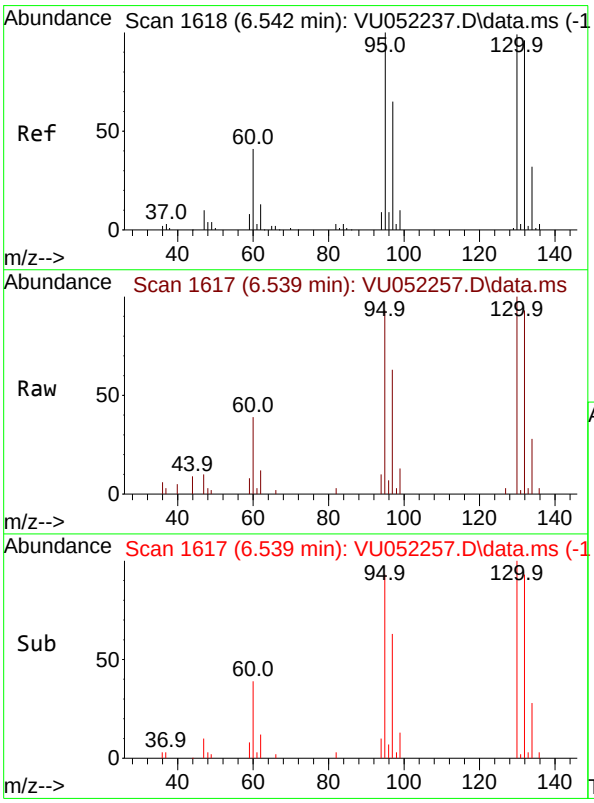


#33
Benzene
Concen: 4.033 ug/L
RT: 5.777 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 78 Resp: 1293

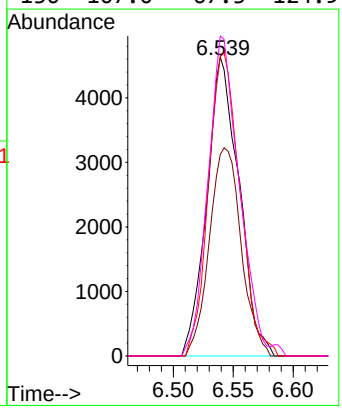


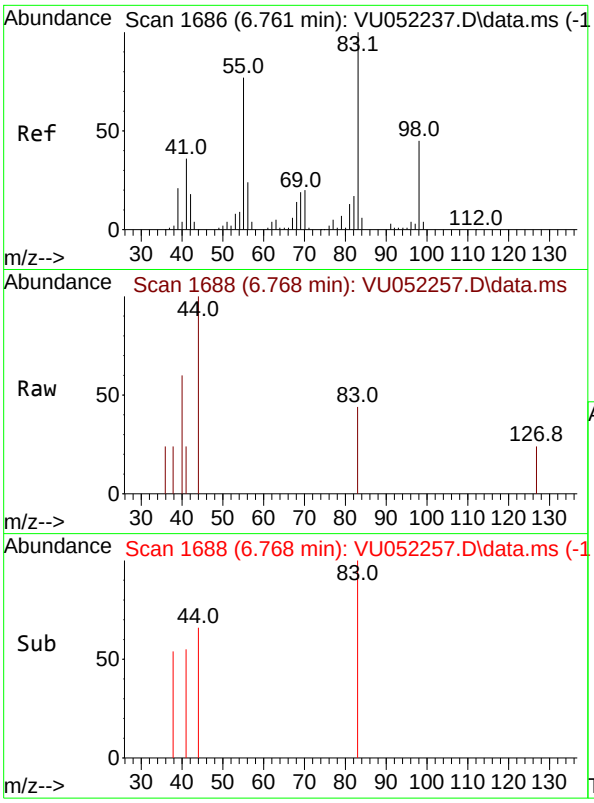


#34
Trichloroethene
Concen: 107.897 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 95 Resp: 8627

Ion	Ratio	Lower	Upper
95	100		
97	67.4	43.7	81.1
132	100.1	64.3	119.3
130	107.0	67.3	124.9



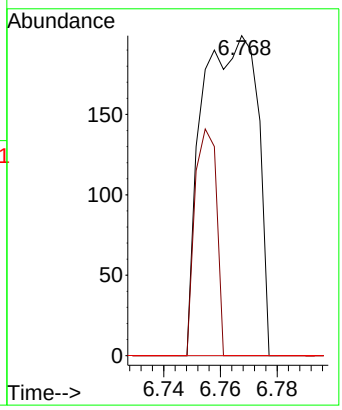


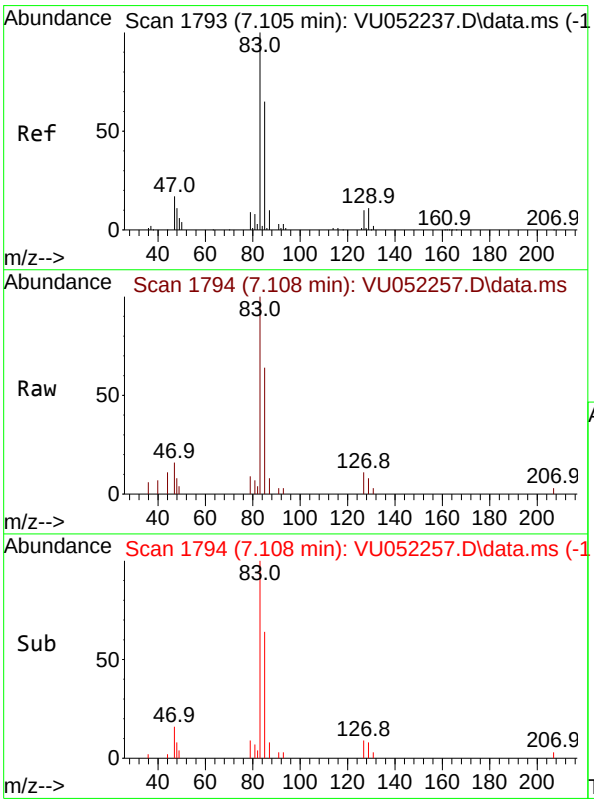
#35
Methylcyclohexane
Concen: 2.339 ug/L
RT: 6.768 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 83 Resp: 269

Ion	Ratio	Lower	Upper
83	100		
55	27.5	60.8	91.2#
98	46.1	35.1	52.7

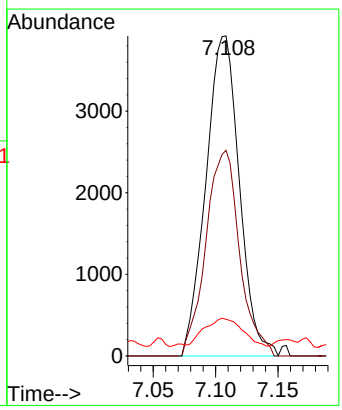


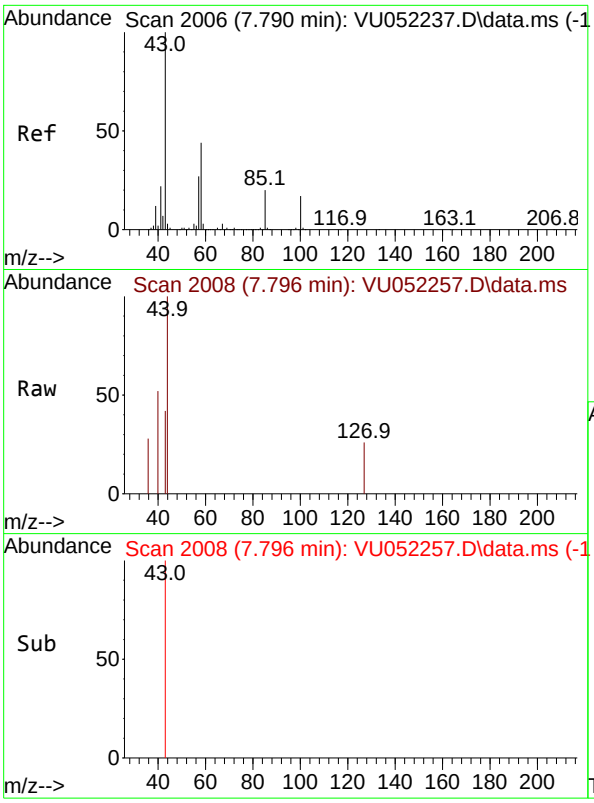


#38
Bromodichloromethane
Concen: 72.437 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 83 Resp: 7330

Ion	Ratio	Lower	Upper
83	100		
85	64.2	43.5	80.9
127	11.5	6.8	10.2#



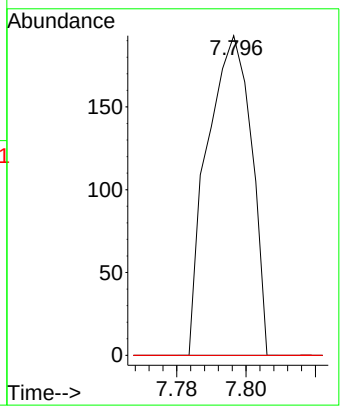


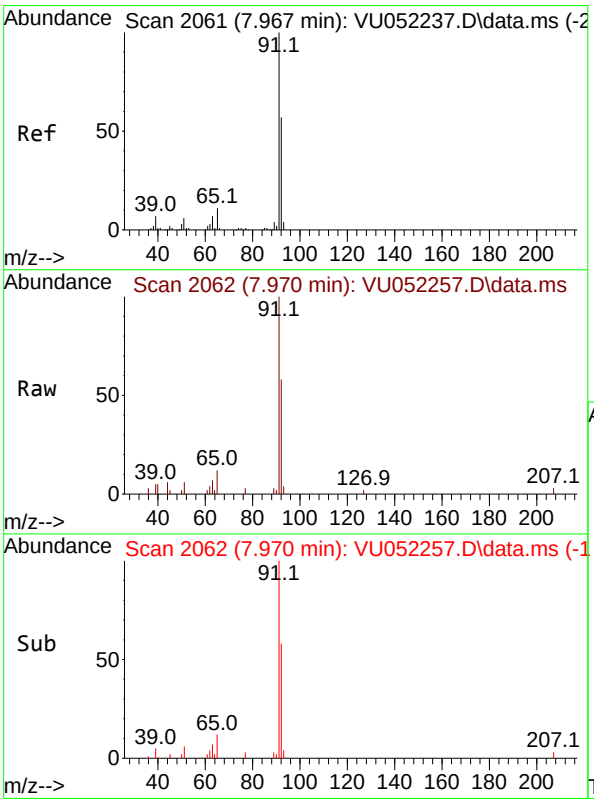
#40
4-Methyl-2-pentanone
Concen: 3.921 ug/L
RT: 7.796 min Scan# 2
Delta R.T. 0.006 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 43 Resp: 170

Ion	Ratio	Lower	Upper
43	100		
58	0.0	35.3	52.9#
100	0.0	13.6	20.4#

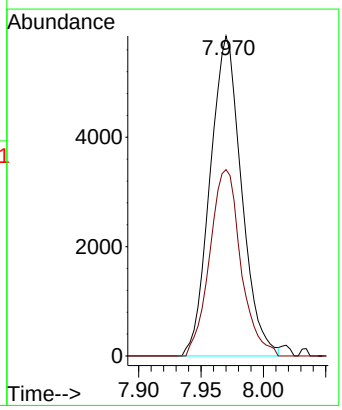


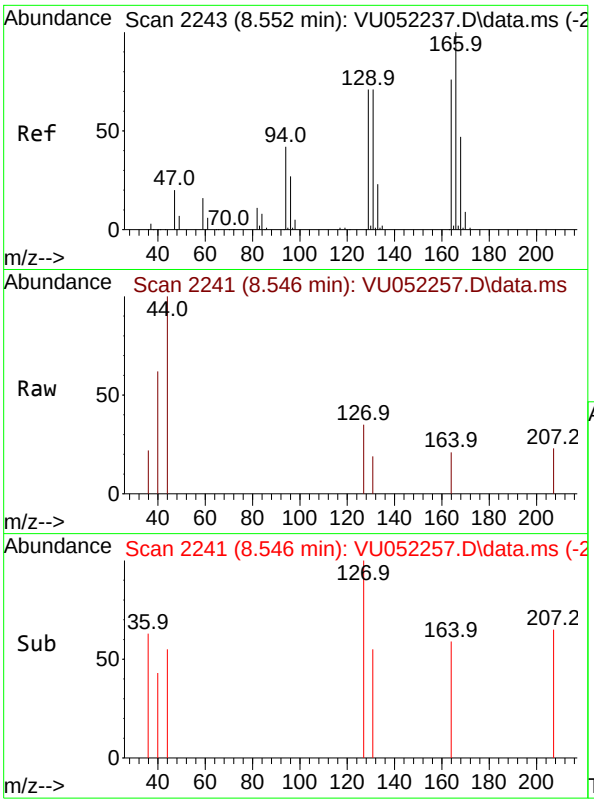


#42
Toluene
Concen: 31.136 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.003 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 91 Resp: 10267

Ion	Ratio	Lower	Upper
91	100		
92	58.3	40.7	75.5



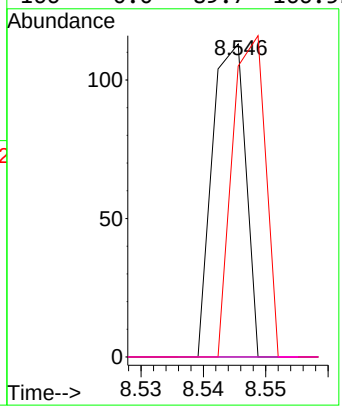


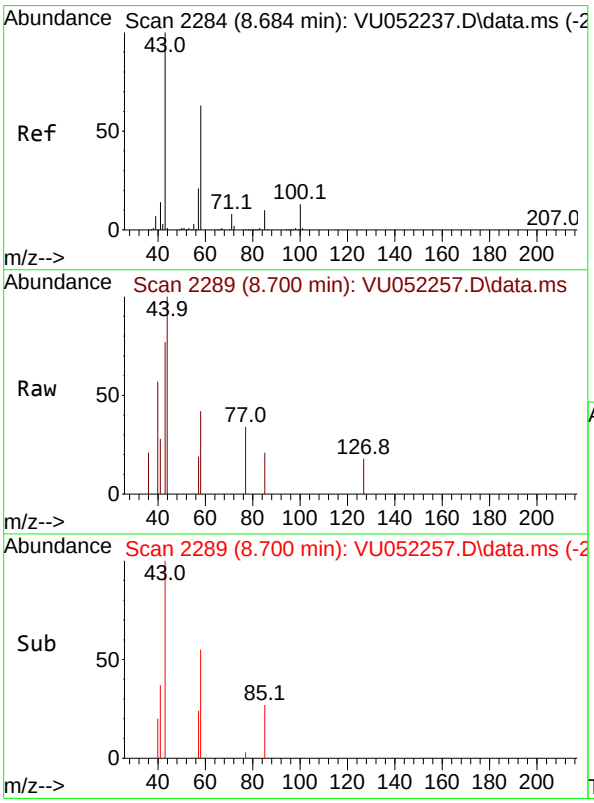
#47
Tetrachloroethene
Concen: 0.685 ug/L
RT: 8.546 min Scan# 2
Delta R.T. -0.003 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion:164 Resp: 42

Ion	Ratio	Lower	Upper
164	100		
129	0.0	67.4	125.2#
131	92.9	67.1	124.7
166	0.0	89.7	166.5#

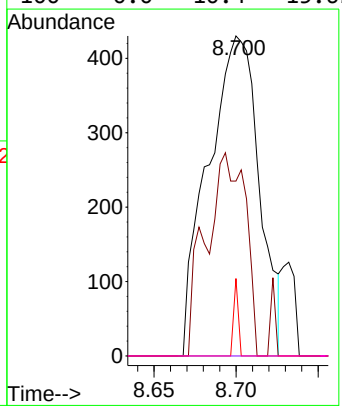


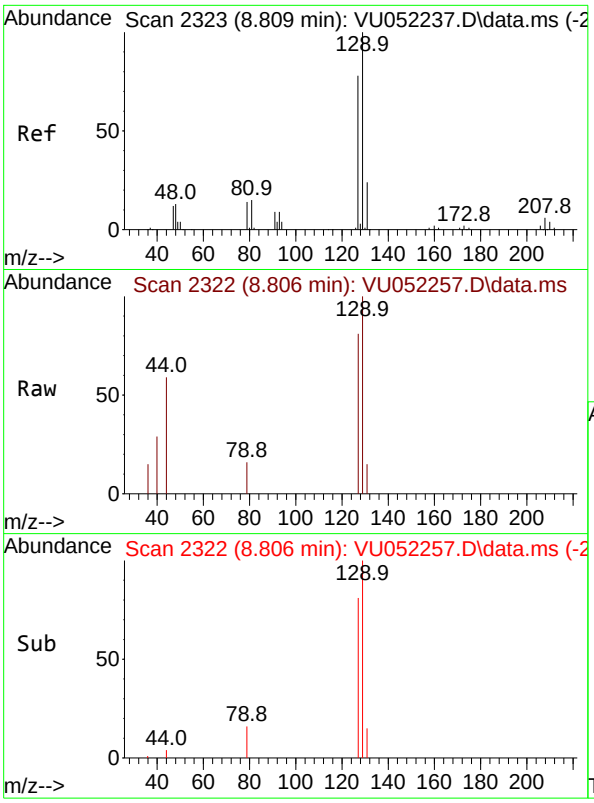


#48
2-Hexanone
Concen: 29.449 ug/L
RT: 8.700 min Scan# 2289
Delta R.T. 0.016 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion: 43 Resp: 936

Ion	Ratio	Lower	Upper
43	100		
58	36.3	49.4	74.0#
57	2.1	16.3	24.5#
100	0.0	10.4	15.6#



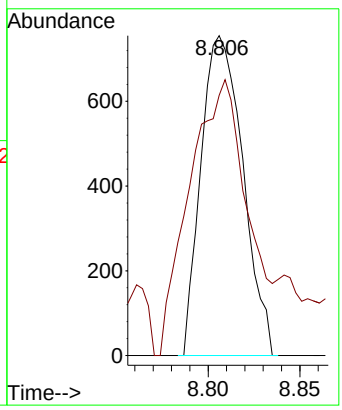


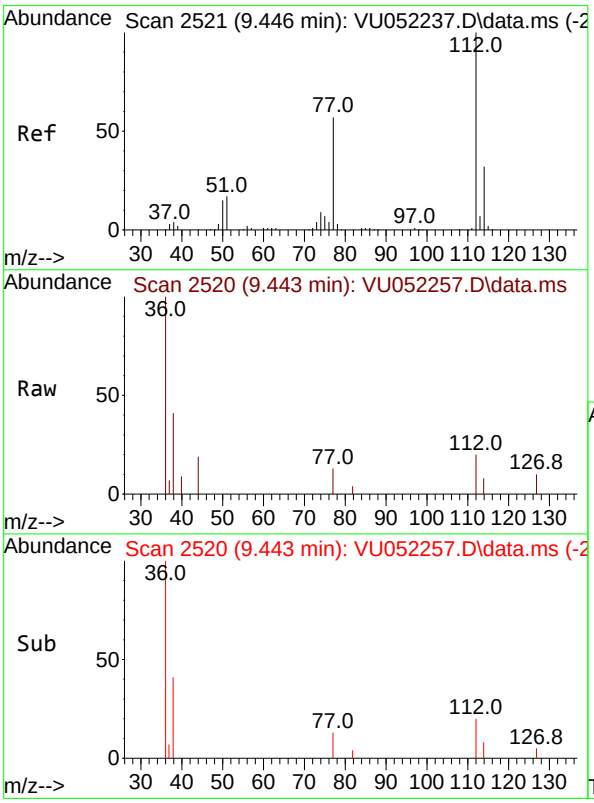
#49
Dibromochloromethane
Concen: 17.178 ug/L
RT: 8.806 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion:129 Resp: 1200

Ion	Ratio	Lower	Upper
129	100		
127	81.3	52.8	98.2

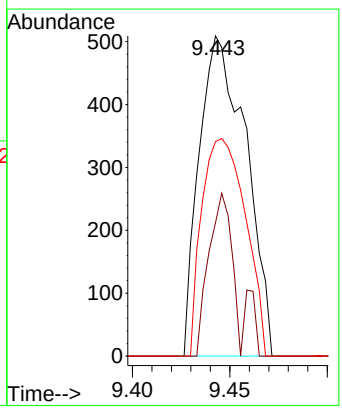


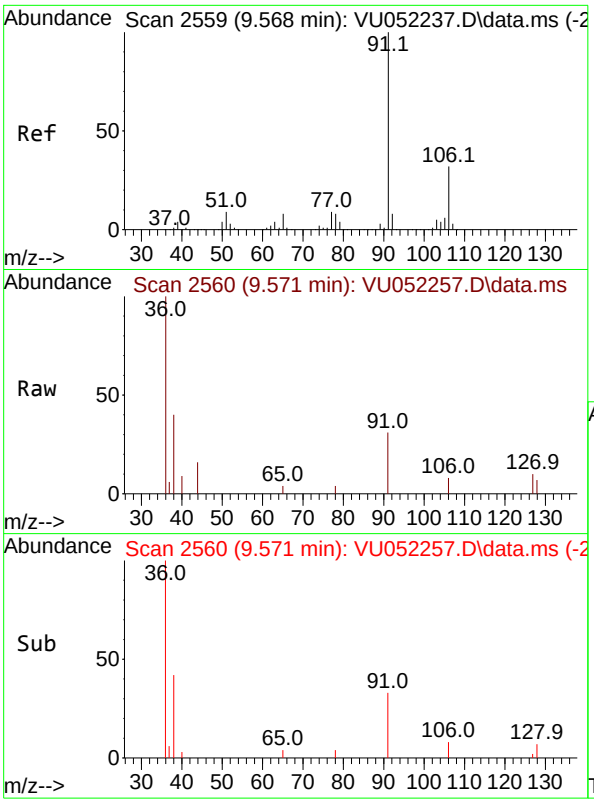


#51
Chlorobenzene
Concen: 4.038 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion:112 Resp: 849

Ion	Ratio	Lower	Upper
112	100		
114	41.7	22.2	41.2#
77	67.0	46.6	70.0



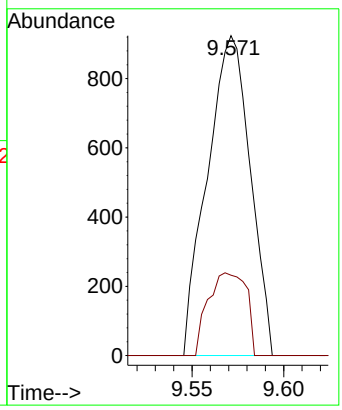


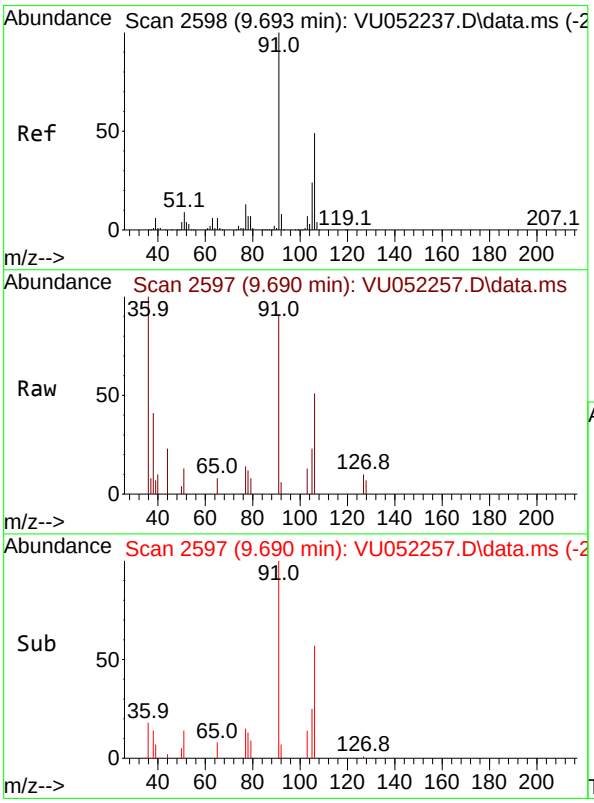
#52
Ethylbenzene
Concen: 4.692 ug/L
RT: 9.571 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion: 91 Resp: 1504

Ion	Ratio	Lower	Upper
91	100		
106	25.1	22.3	41.3

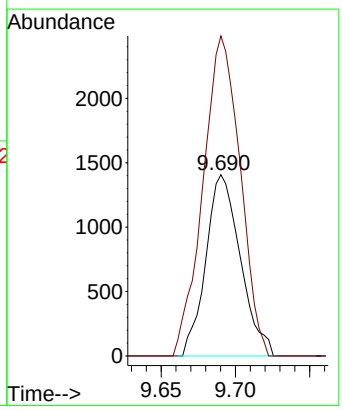


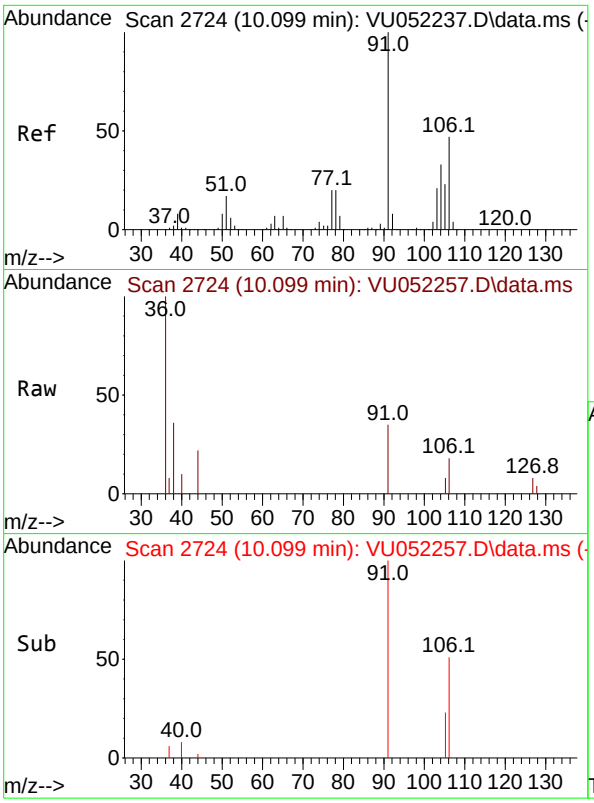


#53
m,p-Xylene
Concen: 18.343 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion:106 Resp: 2277

Ion	Ratio	Lower	Upper
106	100		
91	176.6	137.7	255.7



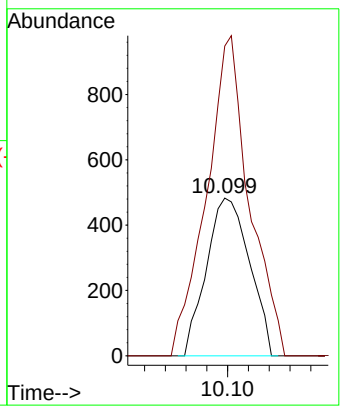


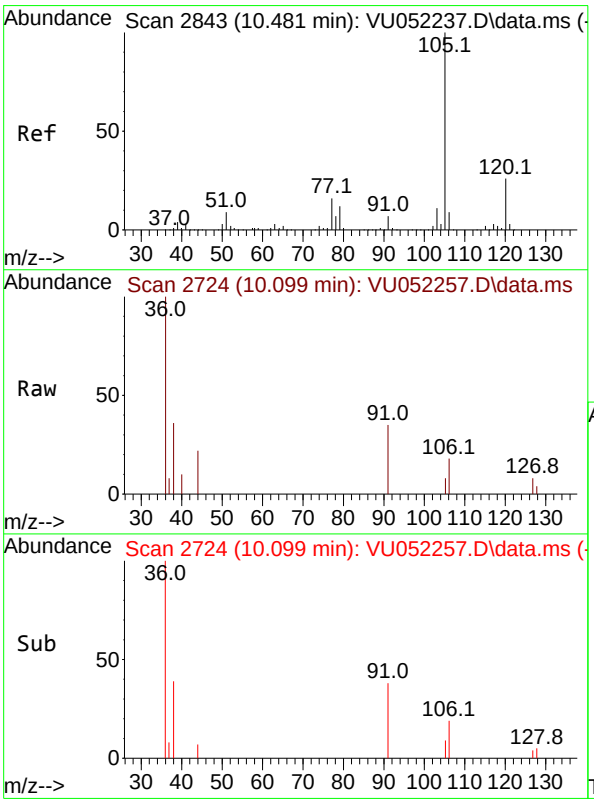
#54
o-Xylene
Concen: 5.842 ug/L
RT: 10.099 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion:106 Resp: 695

Ion	Ratio	Lower	Upper
106	100		
91	196.3	151.5	281.5

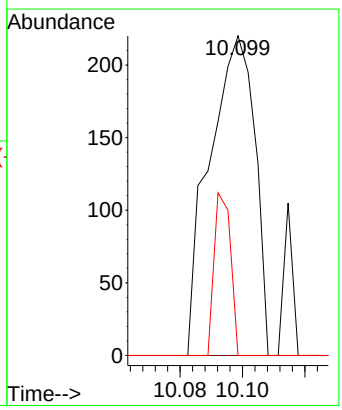


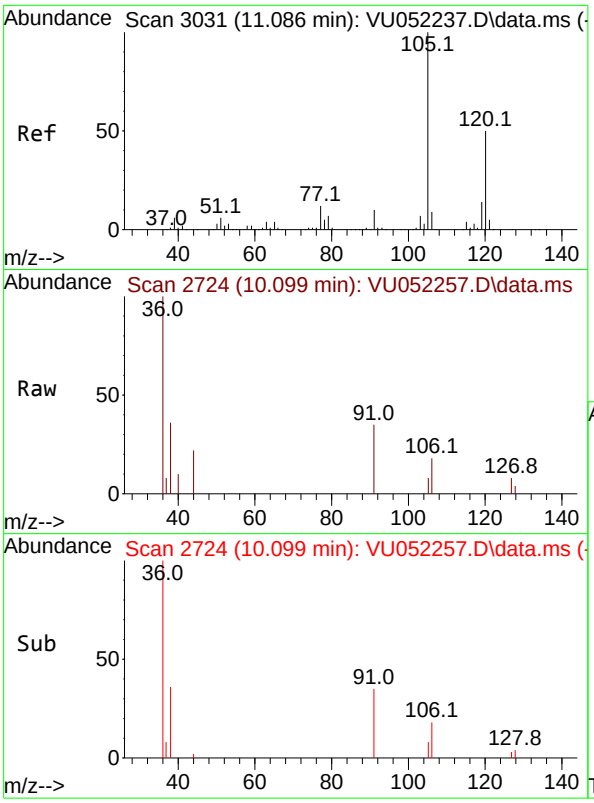


#60
Isopropylbenzene
Concen: 0.261 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.383 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion:105 Resp: 222

Ion	Ratio	Lower	Upper
105	100		
120	0.0	21.0	31.6#
77	18.5	12.5	18.7



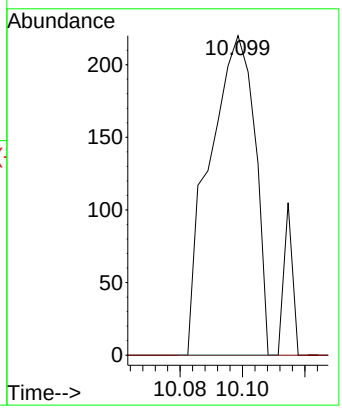


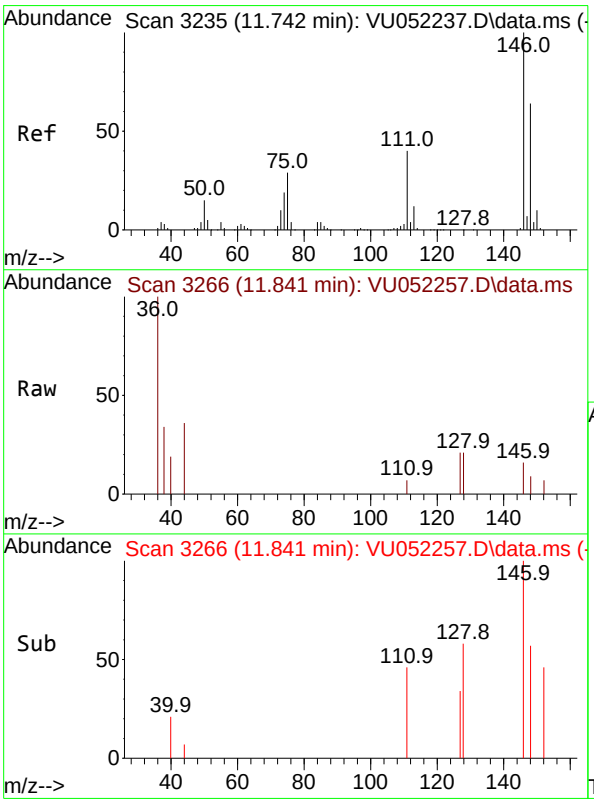
#62
1,3,5-Trimethylbenzene
Concen: 0.327 ug/L
RT: 10.099 min Scan# 2
Delta R.T. -0.987 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion:105 Resp: 222

Ion	Ratio	Lower	Upper
105	100		
120	0.0	38.7	58.1#

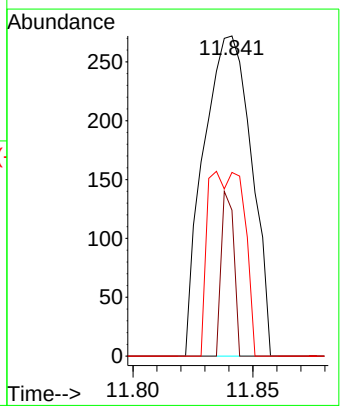


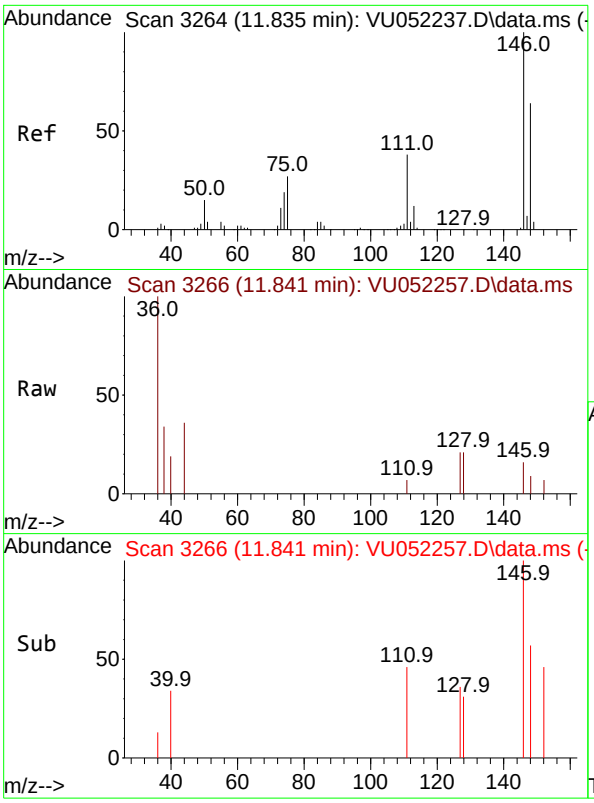


#64
1,3-Dichlorobenzene
Concen: 0.868 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.100 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion:146 Resp: 377

Ion	Ratio	Lower	Upper
146	100		
111	45.6	28.6	53.2
148	57.4	45.4	84.2



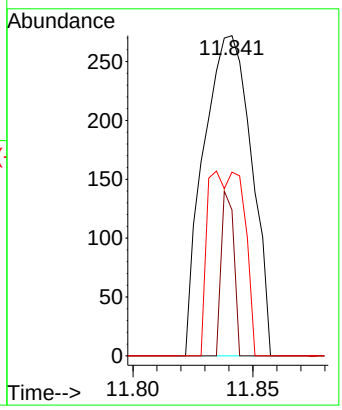


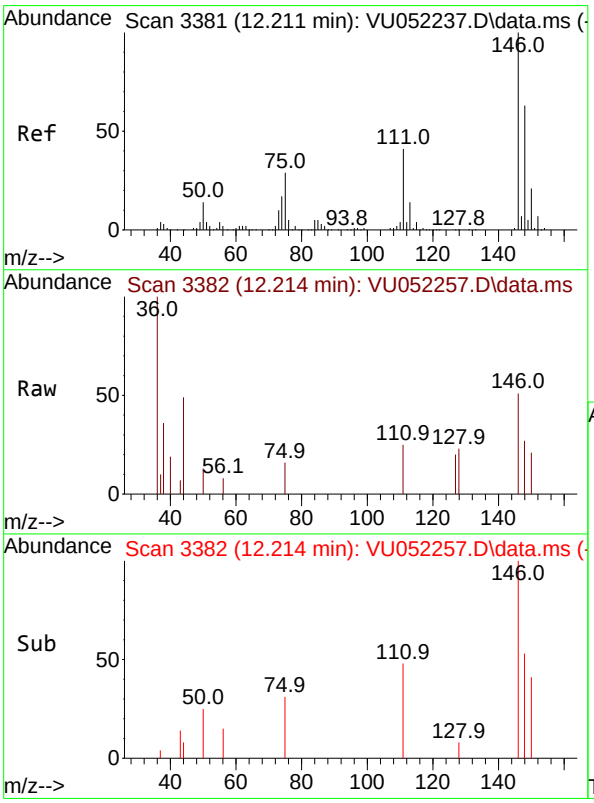
#65
1,4-Dichlorobenzene
Concen: 0.870 ug/L
RT: 11.841 min Scan# 3
Delta R.T. 0.010 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion:146 Resp: 377

Ion	Ratio	Lower	Upper
146	100		
111	45.6	26.9	50.1
148	57.4	45.1	83.7

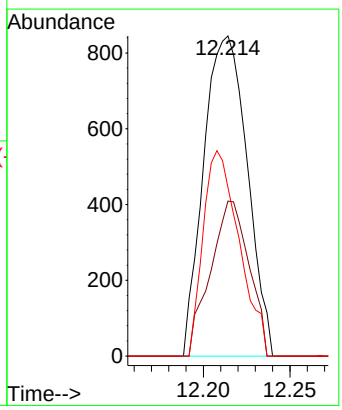


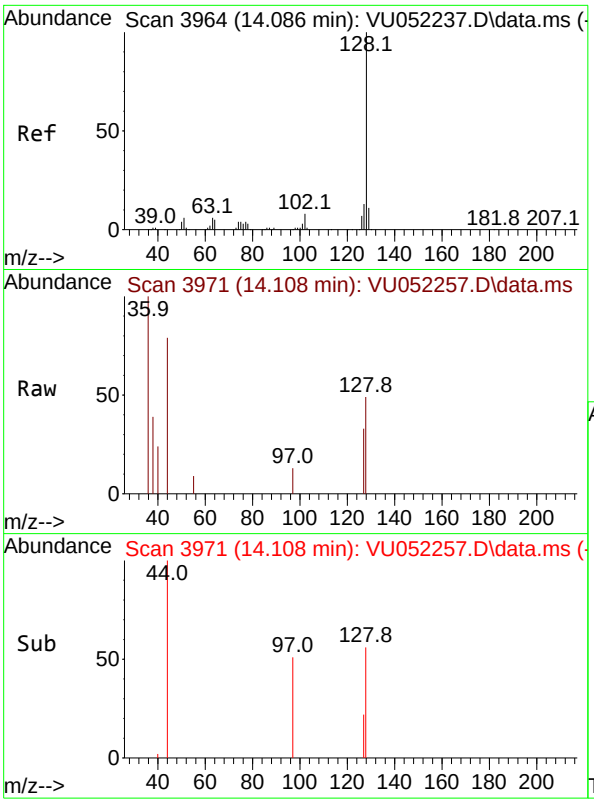


#67
1,2-Dichlorobenzene
Concen: 3.537 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.006 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Tgt Ion:146 Resp: 1479

Ion	Ratio	Lower	Upper
146	100		
111	48.4	32.7	49.1
148	52.7	50.6	75.8





#71
Naphthalene
Concen: 0.627 ug/L
RT: 14.108 min Scan# 3
Delta R.T. 0.026 min
Lab File: VU052257.D
Acq: 08 Dec 2022 18:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ85

Tgt Ion:128 Resp: 276

Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.3	12.5#
127	93.8	10.2	15.4#