Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028553.D
Acq On : 10 Dec 2018 16:00
Operator : MD/SY
Sample : J6323-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RE-122D2-20181206

Quant Time: Dec 11 03:38:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	93111	50.00 ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	177668	50.00 ug/l	0.00
63) Chlorobenzene-d5	9.09	117	166070	50.00 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78605	50.00 ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	79783	56.15 ug/l	0.00
Spiked Amount 50.000			Recovery	= 112.30%	
35) Dibromofluoromethane	4.88	113	59185	52.93 ug/l	0.00
Spiked Amount 50.000			Recovery	= 105.86%	
50) Toluene-d8	7.57	98	227644	51.47 ug/l	0.00
Spiked Amount 50.000			Recovery	= 102.94%	
62) 4-Bromofluorobenzene	10.31	95	83394	50.45 ug/l	0.00
Spiked Amount 50.000			Recovery	= 100.90%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.29	101	10749	10.317 ug/l	96
11) Tert butyl alcohol	2.85	59	204	0.644 ug/l #	73
12) 1,1-Dichloroethene	2.29	96	4980	4.804 ug/l	99
16) Acetone	2.32	43	1329	1.433 ug/l #	74
20) Methylene Chloride	2.70	84	299	0.219 ug/l #	78
24) 1,1-Dichloroethane	3.45	63	1845	0.739 ug/l #	85
27) cis-1,2-Dichloroethene	4.22	96	4581	3.468 ug/l	88
29) Tetrahydrofuran	4.67	42	634	0.779 ug/l #	47
30) Chloroform	4.67	83	2955	1.358 ug/l	99
31) Cyclohexane	4.98	56	2058	Below Cal #	1
32) 1,1,1-Trichloroethane	4.92	97	397	0.220 ug/l #	40
36) 1,1-Dichloropropene	4.98	75	8418	4.330 ug/l #	49
38) Carbon Tetrachloride	5.13	117	2288	1.460 ug/l #	83
39) Methylcyclohexane	6.19	83	63624	26.824 ug/l #	1
41) Methacrylonitrile	4.65	41	327	0.238 ug/l #	25
44) Trichloroethene	6.19	130	4573217	3591.946 ug/l	99
45) 1,2-Dichloropropane	6.19	63	17727	11.009 ug/l #	1
49) 1,4-Dioxane	6.62	88	342	10.956 ug/l #	90
52) Toluene	7.64	92	705	0.209 ug/l #	65
55) 1,1,2-Trichloroethane	8.07	97	1699	1.275 ug/l	94
60) Dibromochloromethane	8.23	129	3600	2.760 ug/l #	10
64) Tetrachloroethene	8.23	164	3485	3.146 ug/l	96
76) 1,2,3-Trichloropropane	10.30	75	44397	22.119 ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	44397	54.337 ug/l #	100

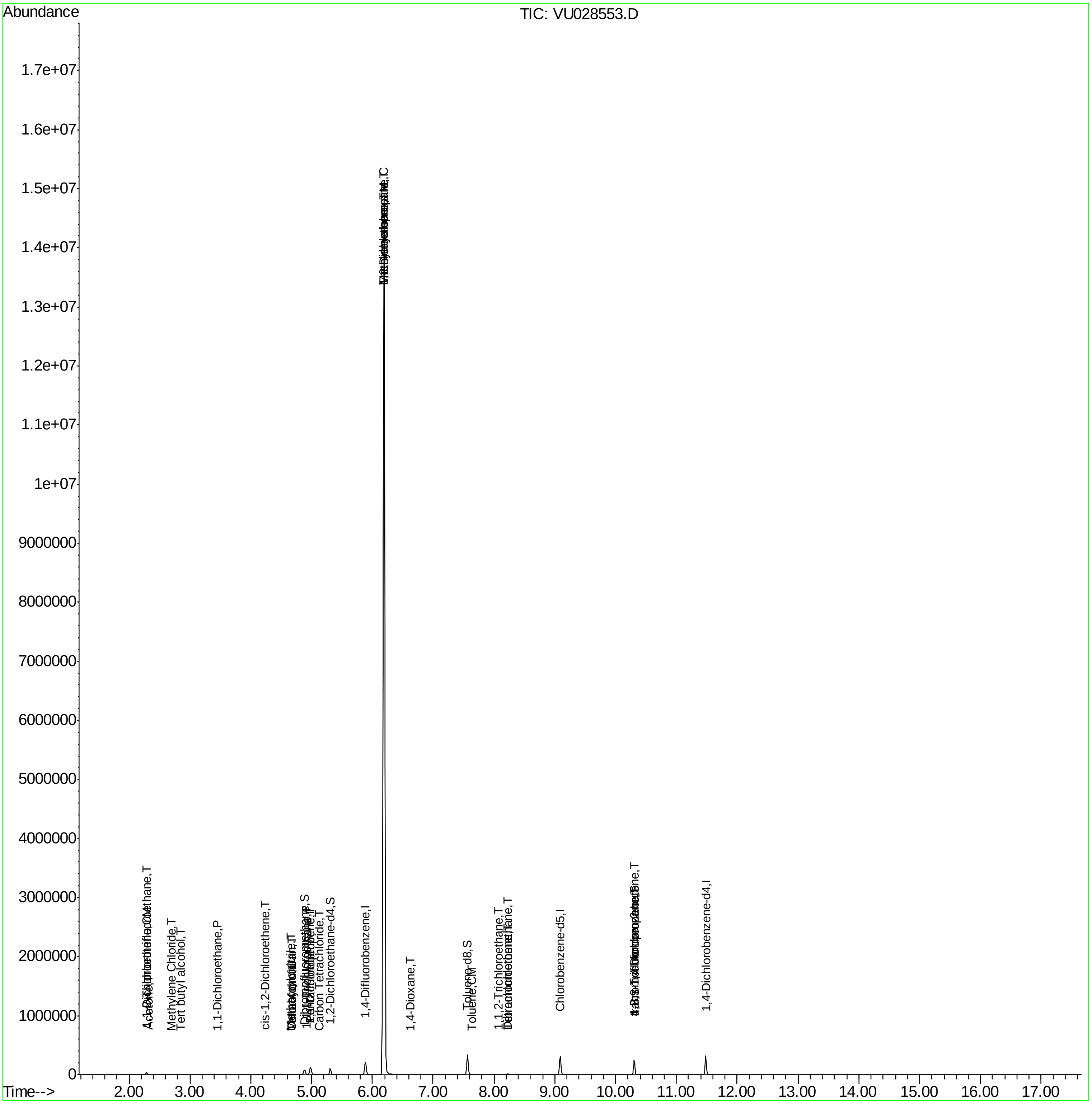
(#) = qualifier out of range (m) = manual integration (+) = signals summed

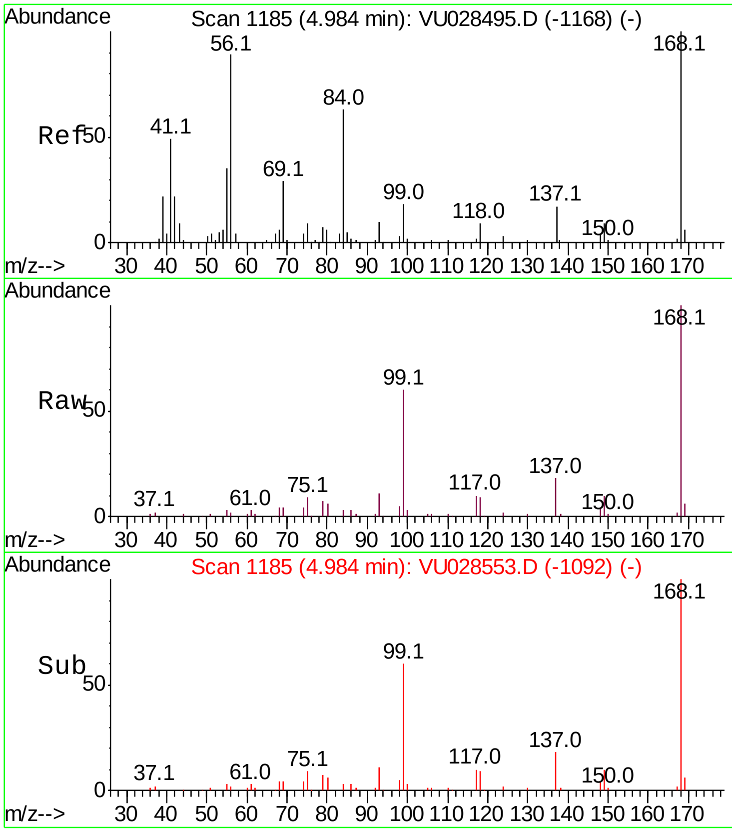
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028553.D
Acq On : 10 Dec 2018 16:00
Operator : MD/SY
Sample : J6323-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Quant Time: Dec 11 03:38:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration



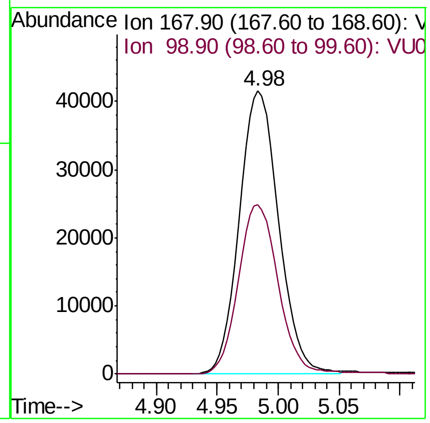


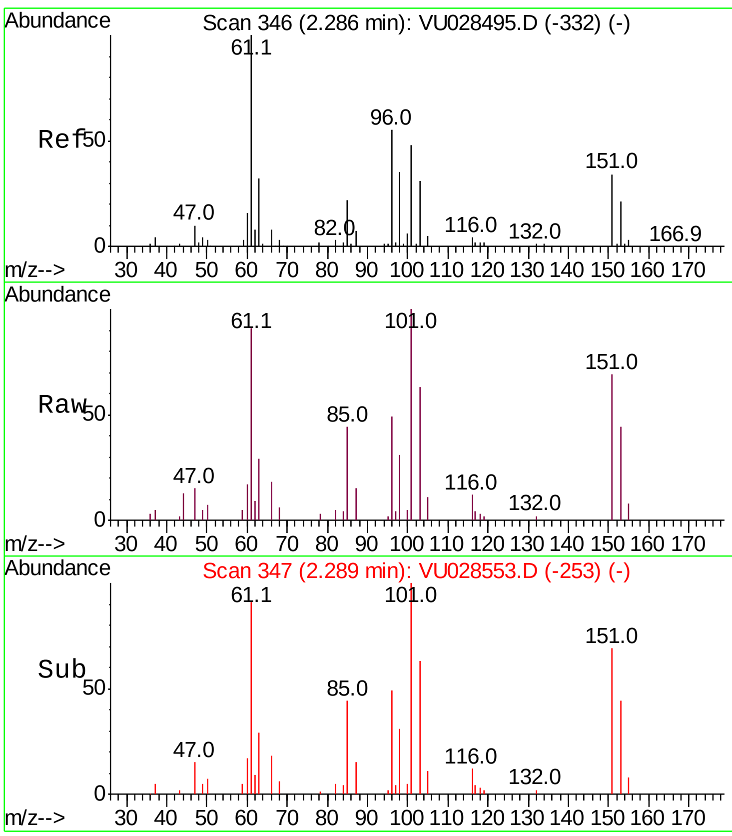
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion:168 Resp: 93111

Ion	Ratio	Lower	Upper
168	100		
99	59.5	46.6	69.8

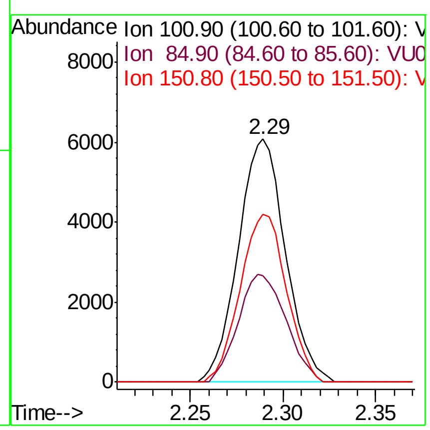


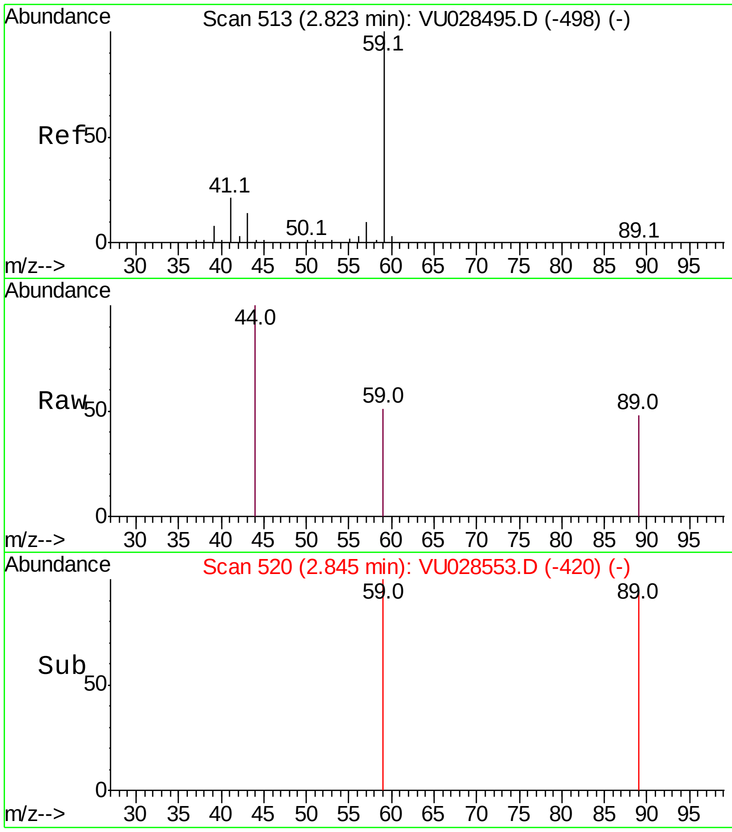


#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.317 ug/l
RT: 2.29 min Scan# 347
Delta R.T. 0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion:101 Resp: 10749

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.4	54.6
151	67.5	58.2	87.2



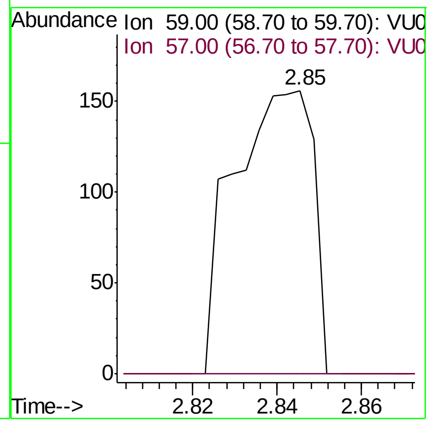


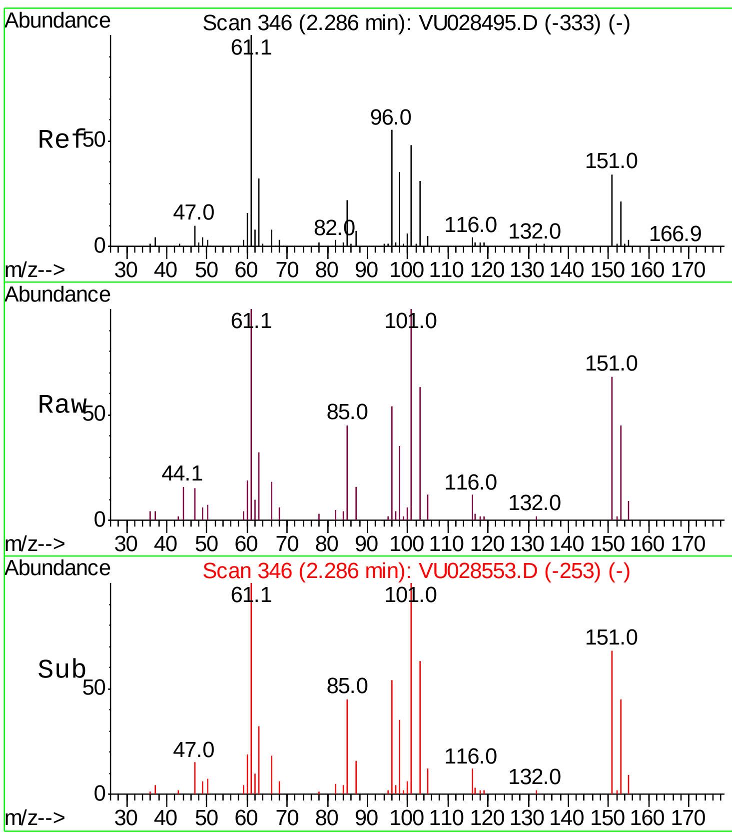
#11
Tert butyl alcohol
Concen: 0.644 ug/l
RT: 2.85 min Scan# 520
Delta R.T. 0.02 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion: 59 Resp: 204

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

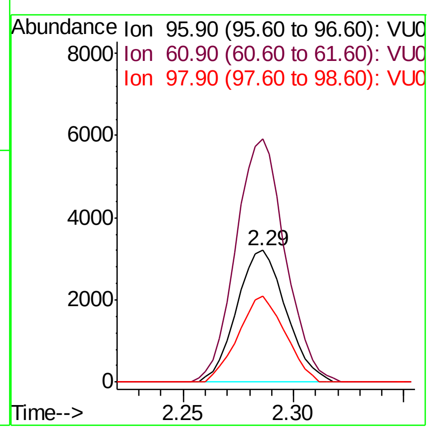


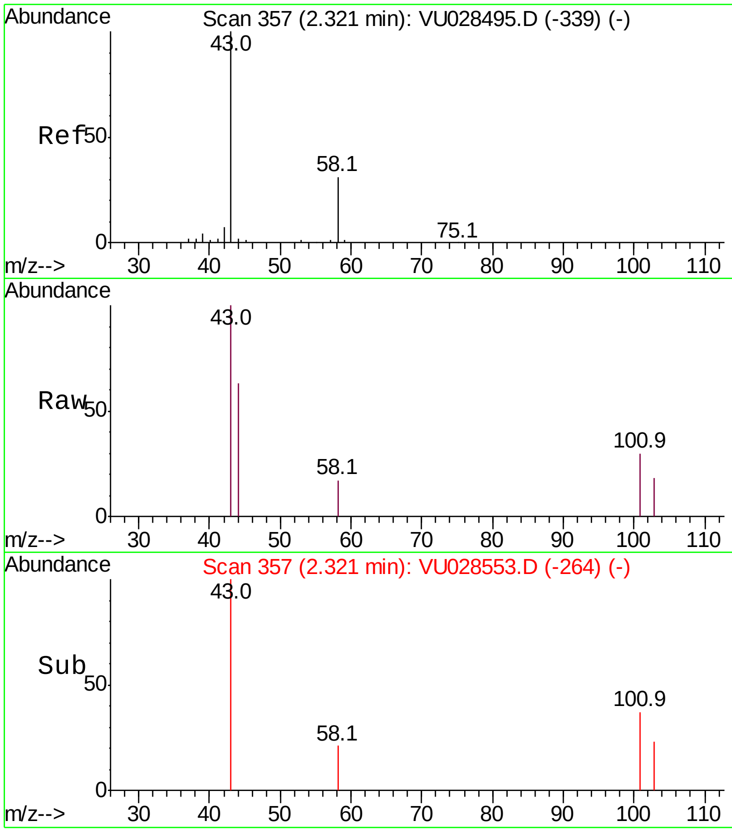


#12
1,1-Dichloroethene
Concen: 4.804 ug/l
RT: 2.29 min Scan# 346
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 96 Resp: 4980

Ion	Ratio	Lower	Upper
96	100		
61	184.9	146.4	219.6
98	65.0	51.8	77.8



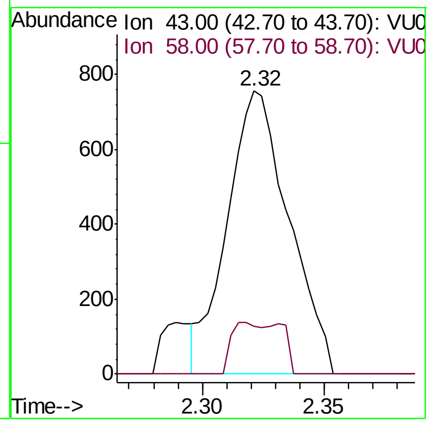


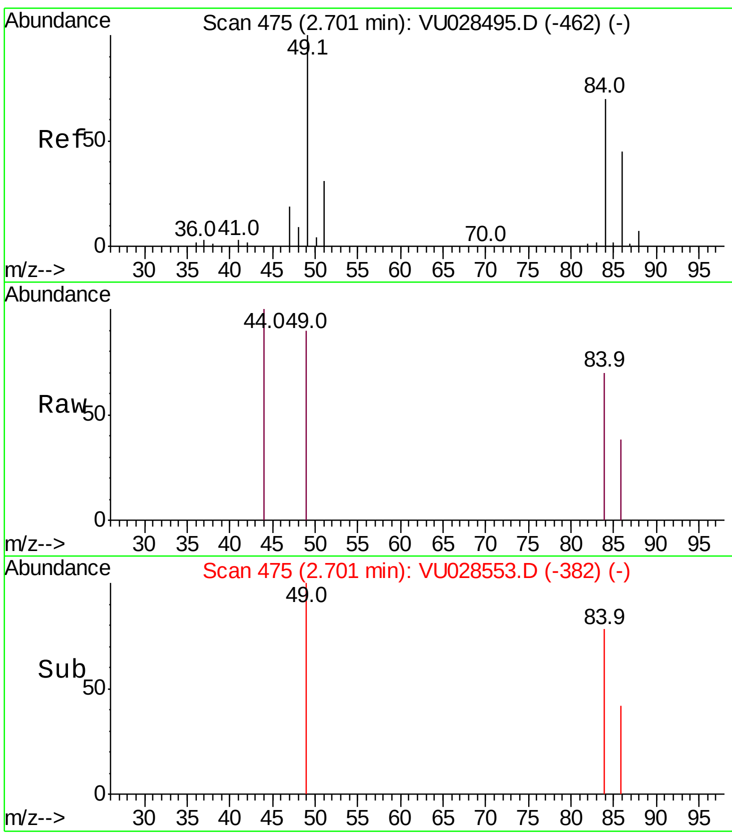
#16
Acetone
Concen: 1.433 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion: 43 Resp: 1329

Ion	Ratio	Lower	Upper
43	100		
58	16.7	24.6	37.0#

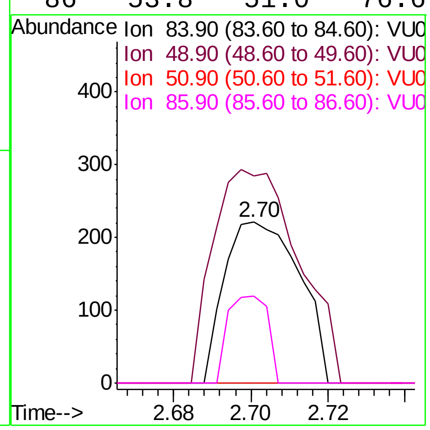


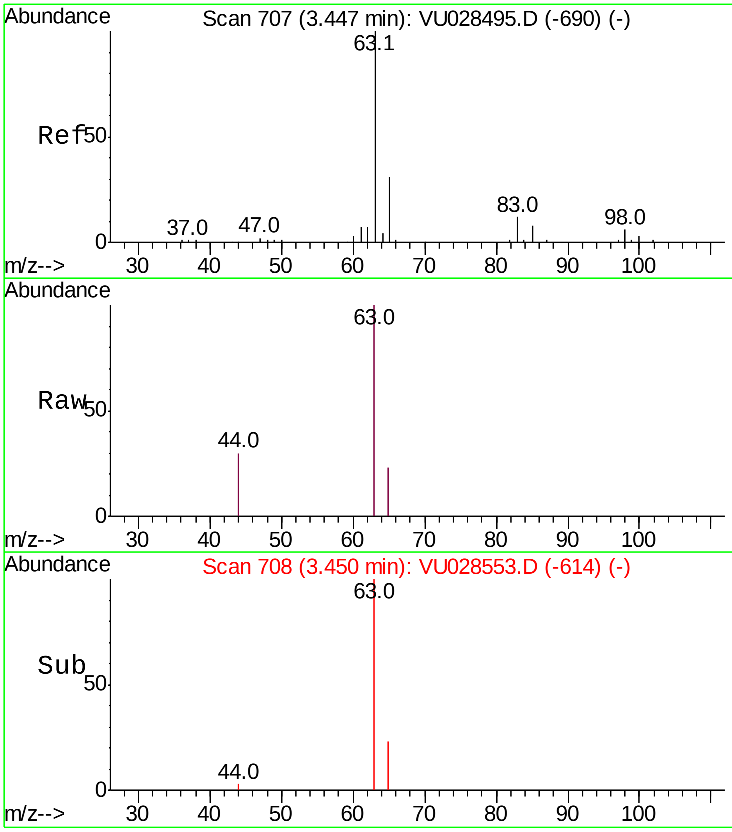


#20
Methylene Chloride
Concen: 0.219 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 84 Resp: 299

Ion	Ratio	Lower	Upper
84	100		
49	128.5	114.0	171.0
51	0.0	35.1	52.7#
86	53.8	51.0	76.6



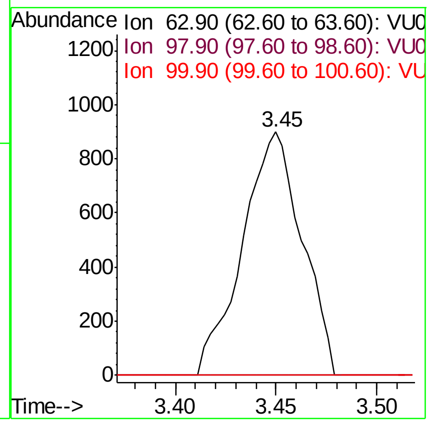


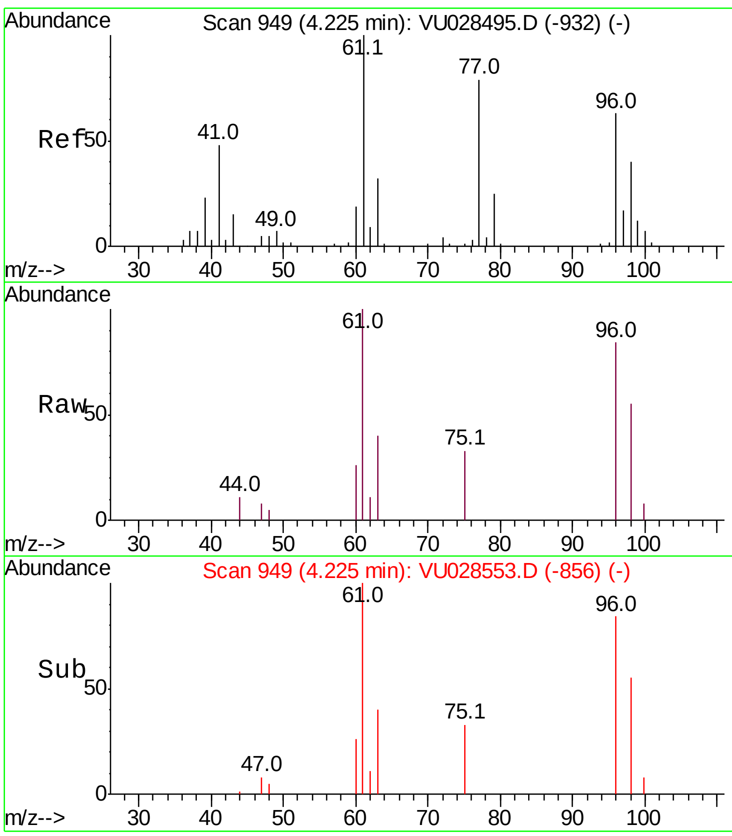
#24
1,1-Dichloroethane
Concen: 0.739 ug/l
RT: 3.45 min Scan# 708
Delta R.T. 0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion: 63 Resp: 1845

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.0	9.2#
100	0.0	1.7	5.1#

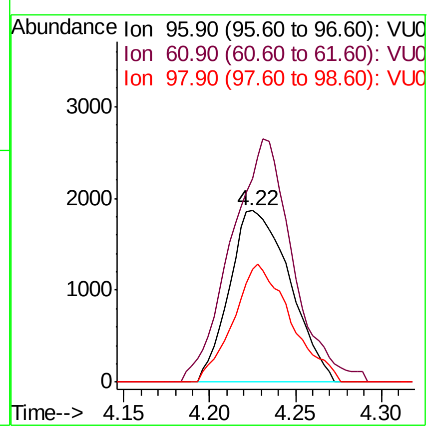


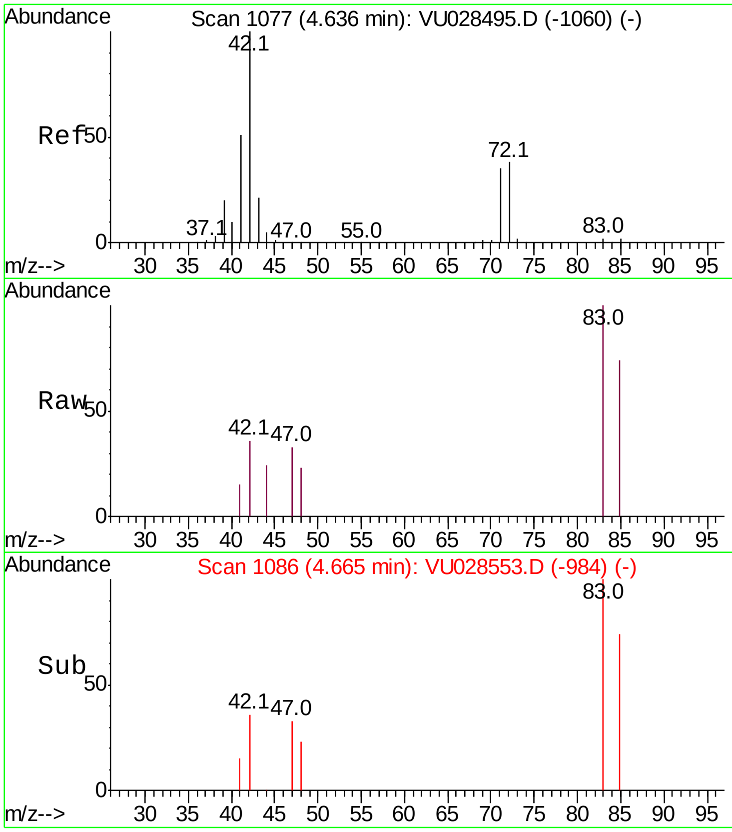


#27
cis-1,2-Dichloroethene
Concen: 3.468 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 96 Resp: 4581

Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	332.4
98	65.2	0.0	129.0



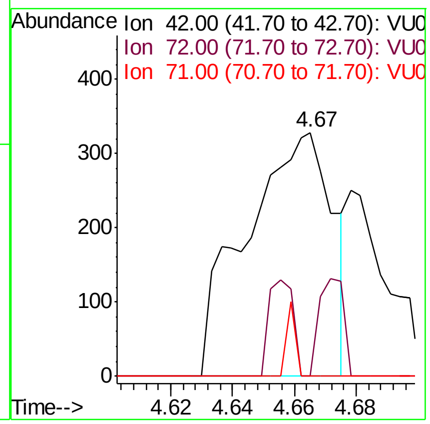


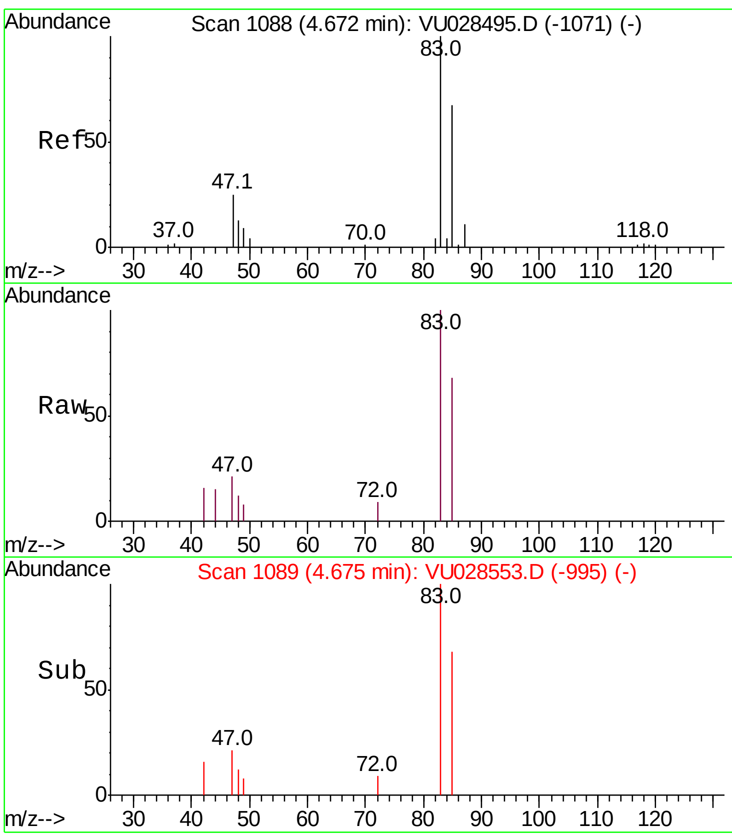
#29
Tetrahydrofuran
Concen: 0.779 ug/l
RT: 4.67 min Scan# 1086
Delta R.T. 0.03 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion: 42 Resp: 634

Ion	Ratio	Lower	Upper
42	100		
72	11.2	31.4	47.0#
71	0.0	28.6	43.0#

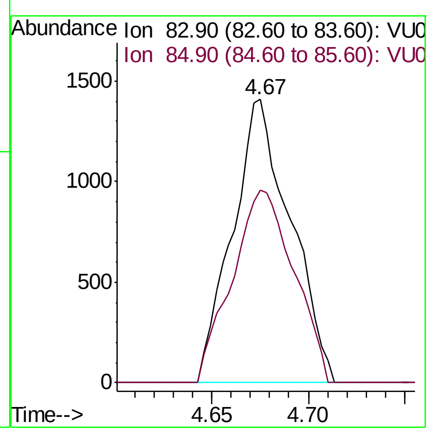


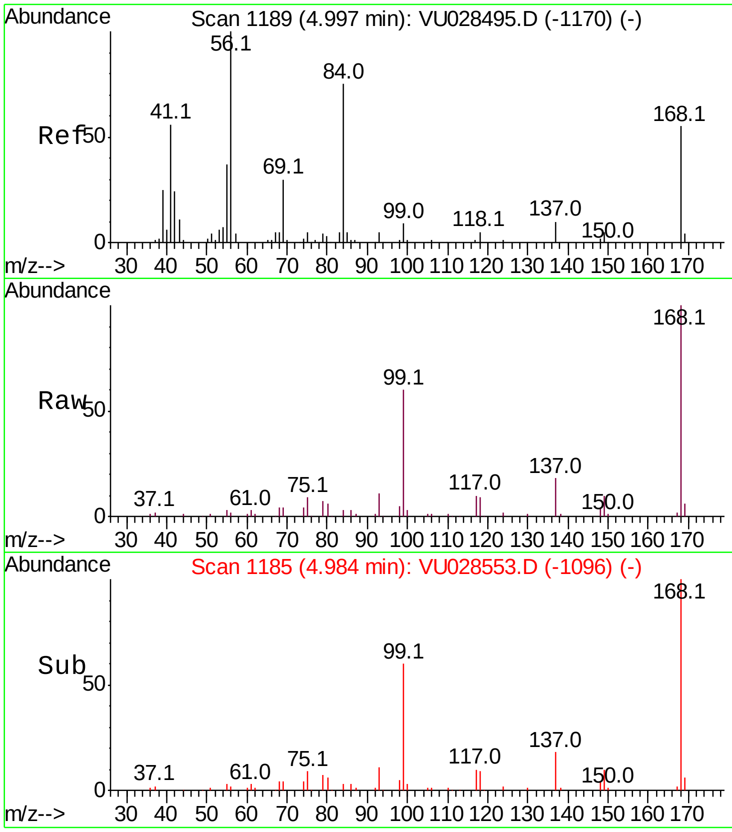


#30
Chloroform
Concen: 1.358 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 83 Resp: 2955

Ion	Ratio	Lower	Upper
83	100		
85	68.0	53.6	80.4



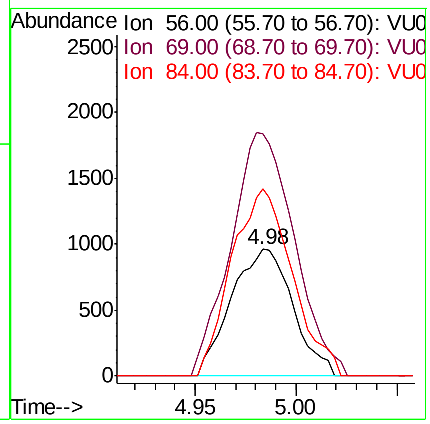


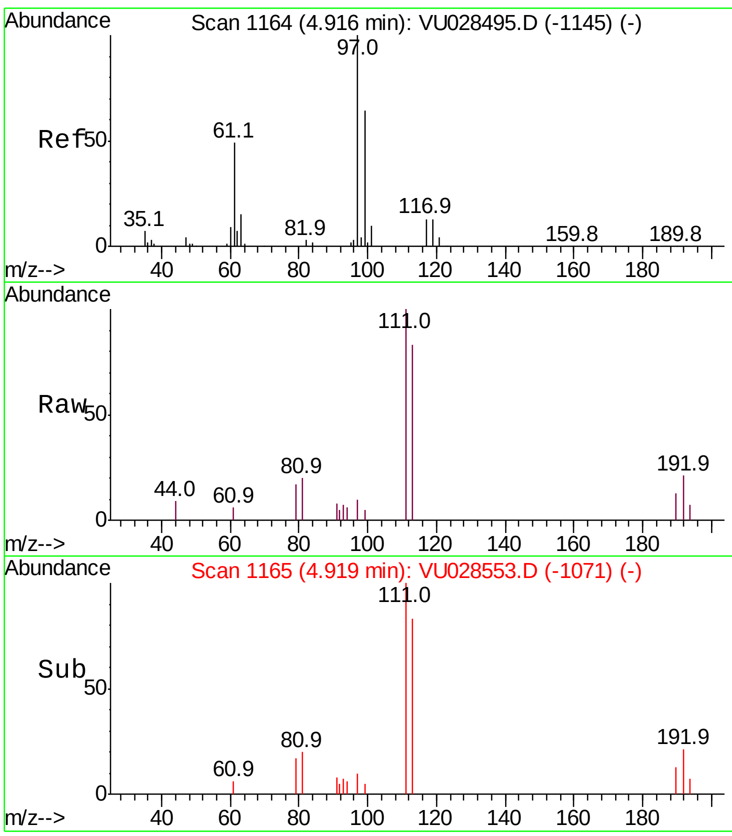
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion: 56 Resp: 2058

Ion	Ratio	Lower	Upper
56	100		
69	190.7	24.0	36.0#
84	147.8	59.7	89.5#

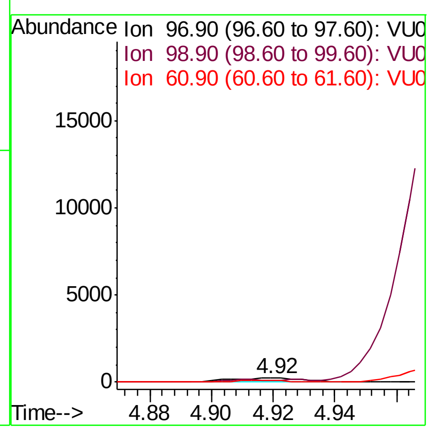




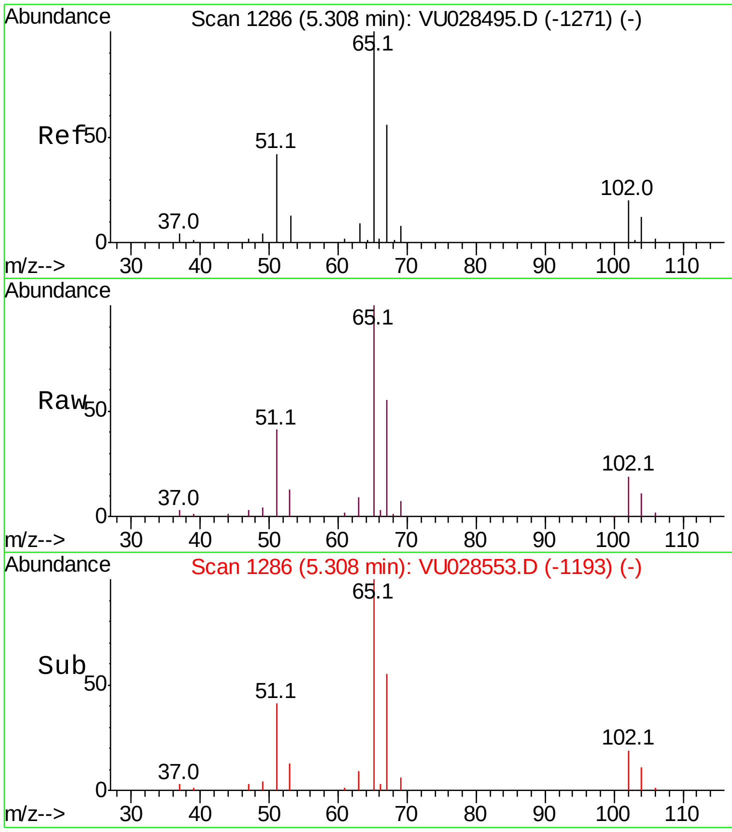
#32
1,1,1-Trichloroethane
Concen: 0.220 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 97 Resp: 397

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.3	78.5#
61	28.7	39.0	58.6#



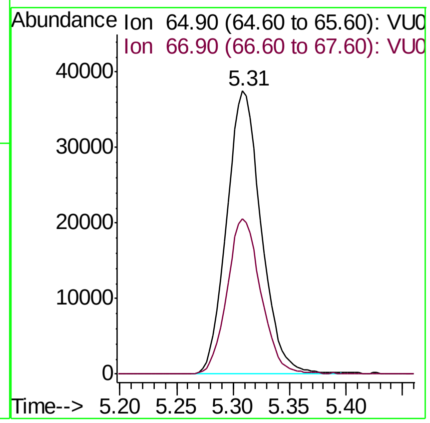
Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

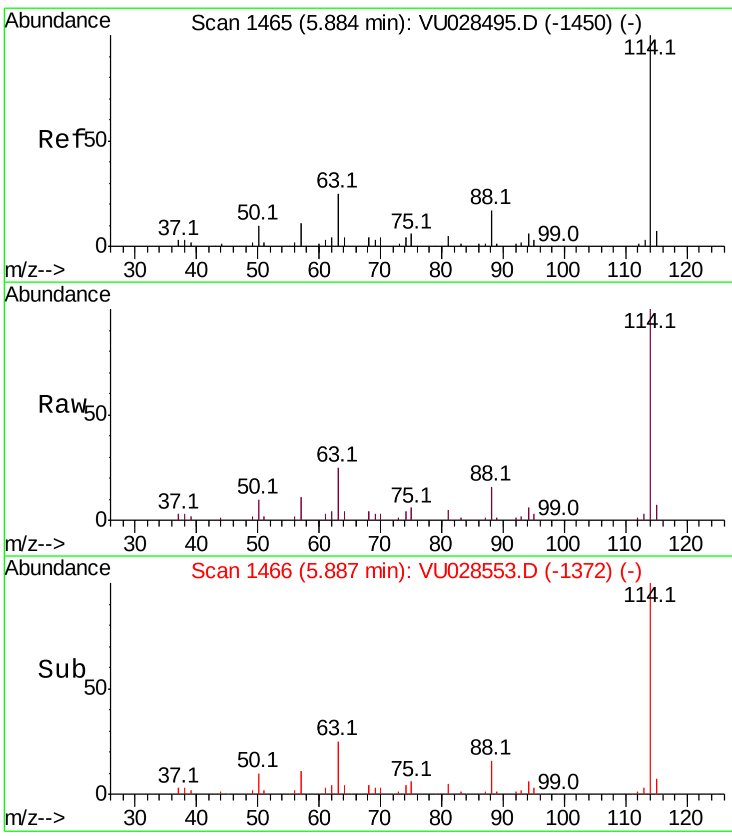


#33
1,2-Dichloroethane-d4
Concen: 56.148 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 65 Resp: 79783

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	110.6

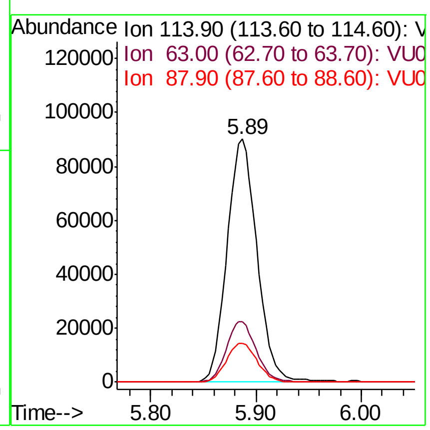


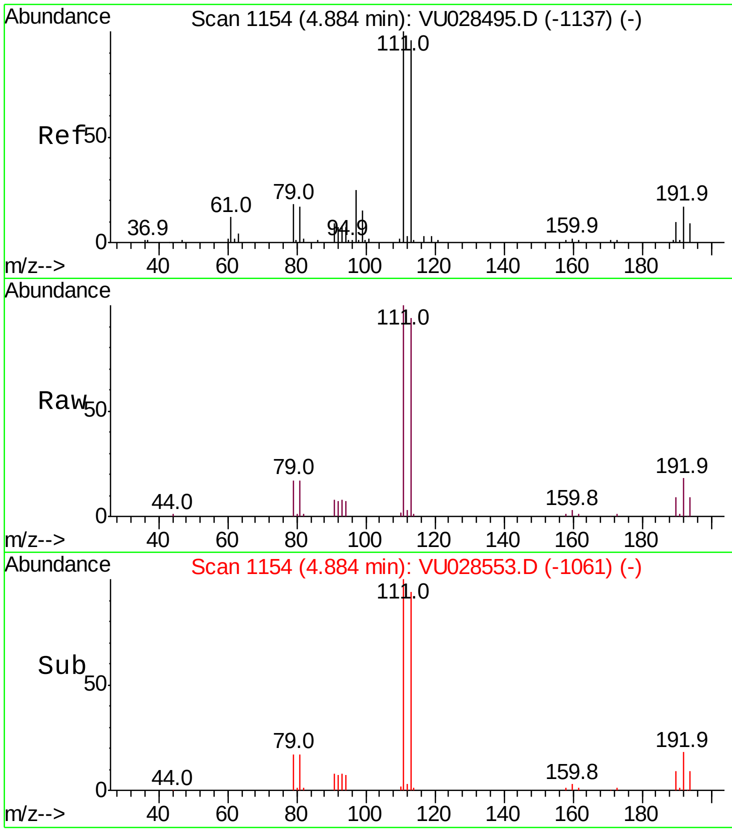


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion:114 Resp: 177668

Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	16.0	0.0	33.4



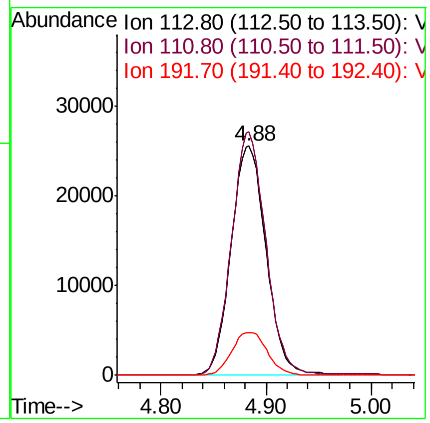


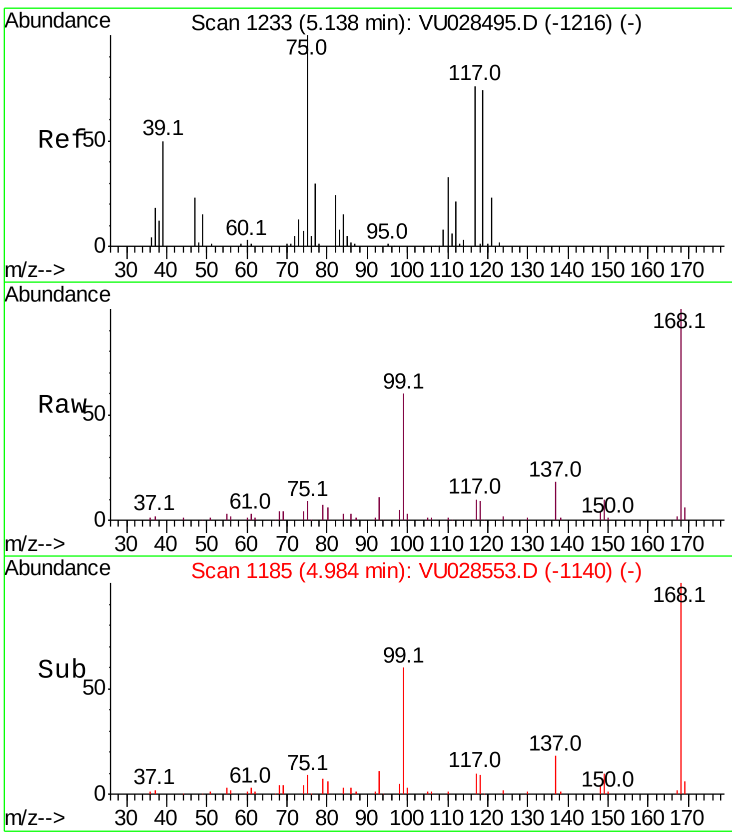
#35
Dibromofluoromethane
Concen: 52.935 ug/l
RT: 4.88 min   Scan# 1154
Delta R.T.   -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018   16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion:113 Resp: 59185

Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.4	125.0
192	19.0	14.8	22.2

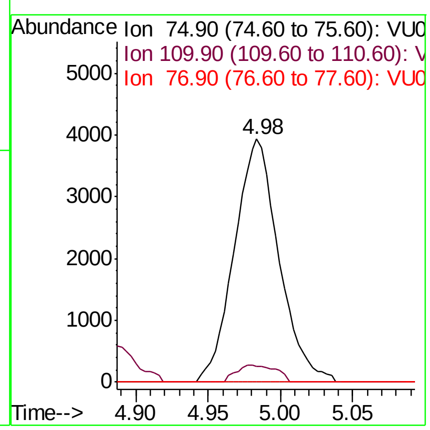




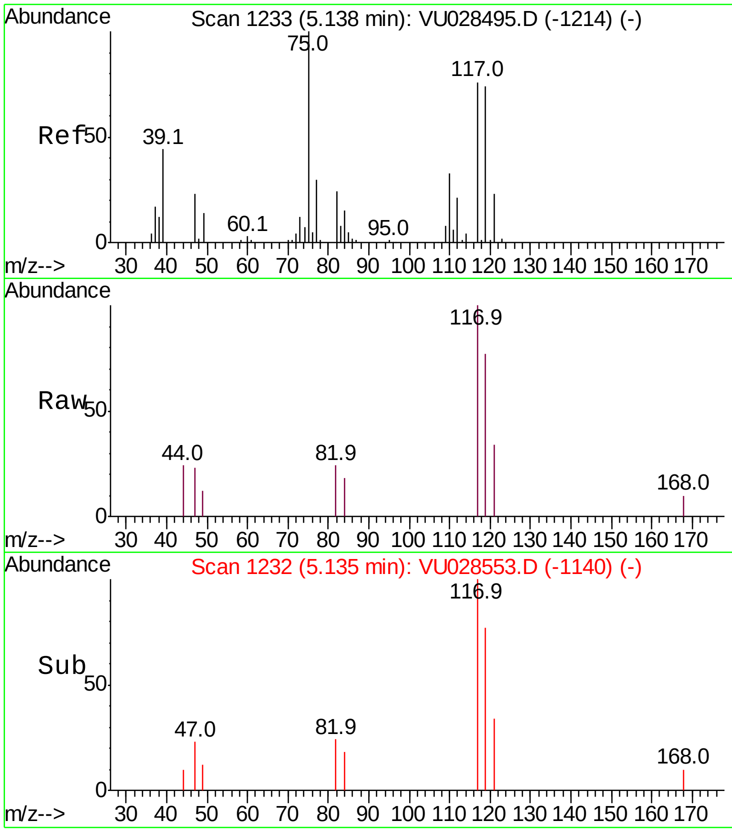
#36
1,1-Dichloropropene
Concen: 4.330 ug/l
RT: 4.98 min   Scan# 1185
Delta R.T.   -0.15 min
Lab File: VU028553.D
Acq: 10 Dec 2018   16:00

Tgt Ion: 75 Resp: 8418

Ion	Ratio	Lower	Upper
75	100		
110	6.2	16.1	48.2#
77	0.0	24.5	36.7#



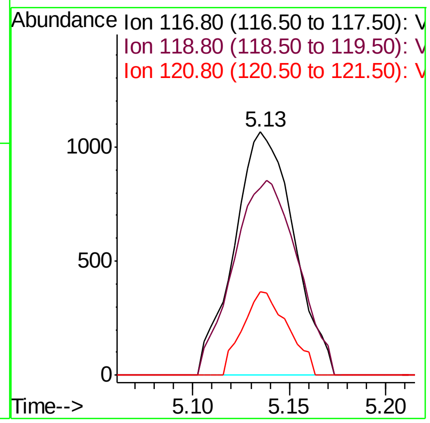
Instrument : MSVOA_U
ClientSampleId : RE-122D2-20181206

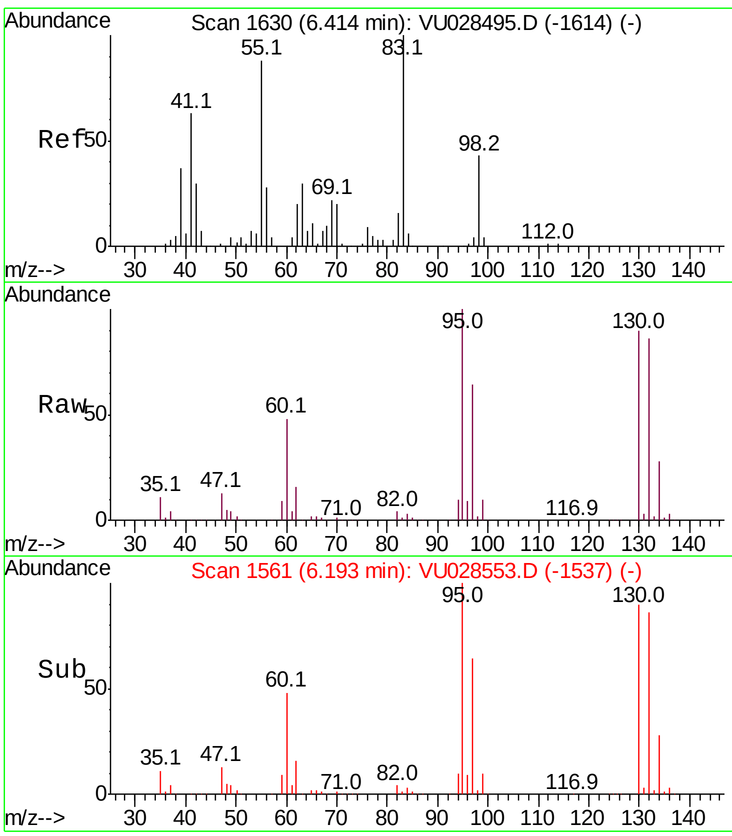


#38
Carbon Tetrachloride
Concen: 1.460 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion:117 Resp: 2288

Ion	Ratio	Lower	Upper
117	100		
119	76.8	77.6	116.4#
121	34.3	24.6	36.8

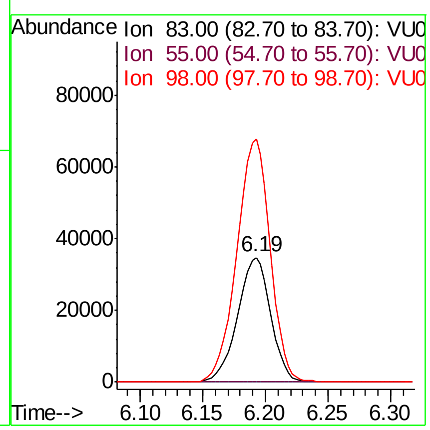


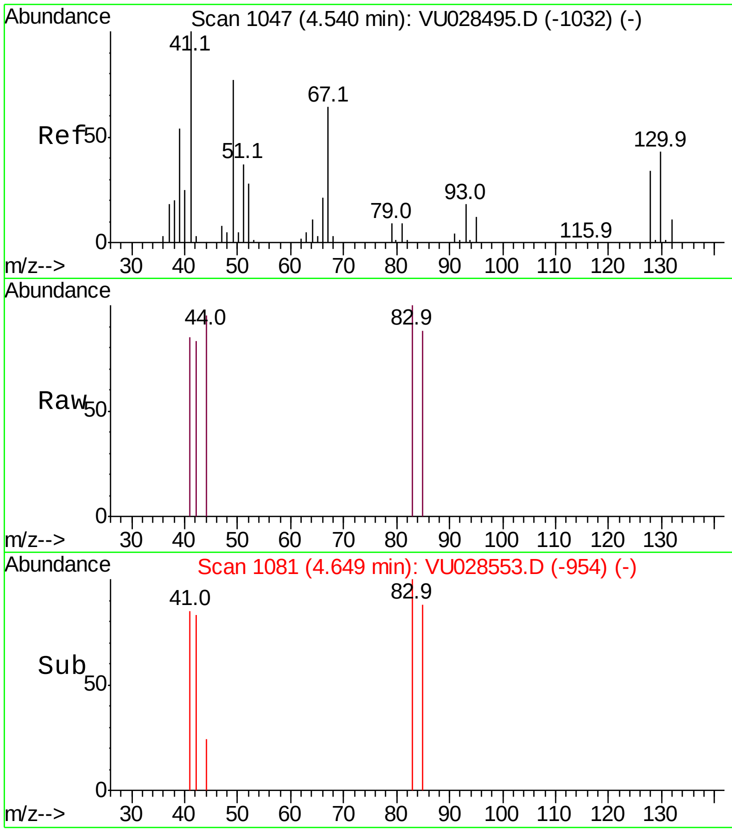


#39
Methylcyclohexane
Concen: 26.824 ug/l
RT: 6.19 min Scan# 1561
Delta R.T. -0.22 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 83 Resp: 63624

Ion	Ratio	Lower	Upper
83	100		
55	0.0	70.2	105.2#
98	194.9	34.2	51.4#



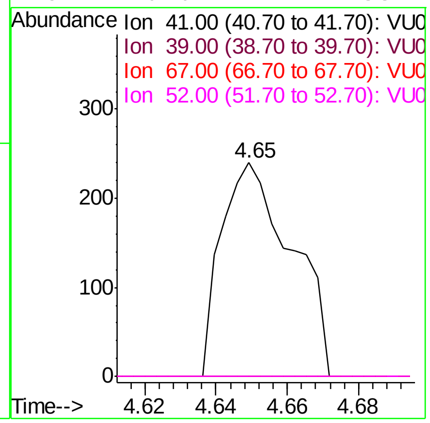


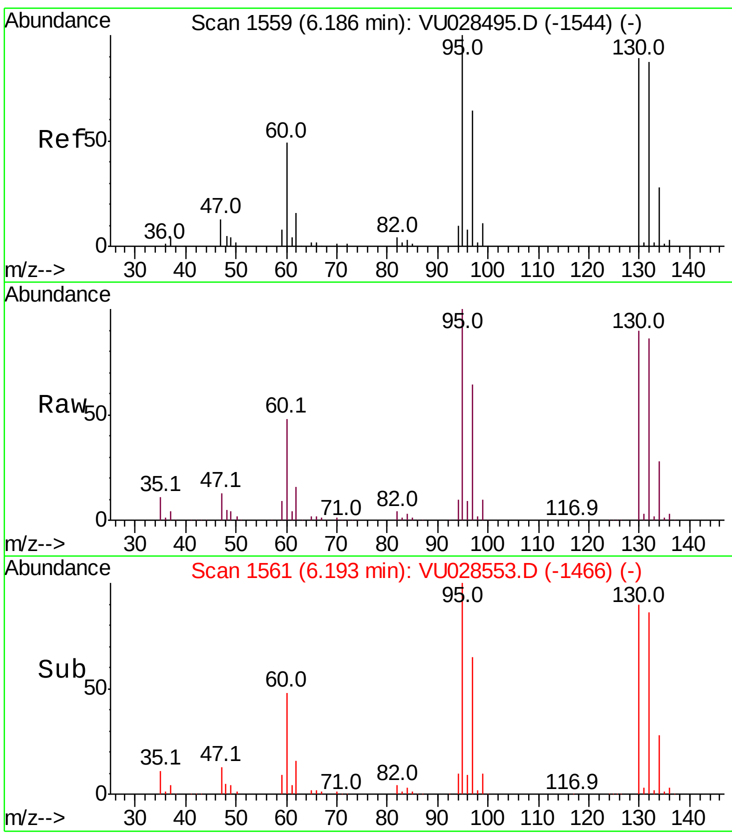
#41
Methacrylonitrile
Concen: 0.238 ug/l
RT: 4.65 min Scan# 1081
Delta R.T. 0.11 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument : MSVOA_U
ClientSampleId : RE-122D2-20181206

Tgt Ion: 41 Resp: 327

Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.3	64.9#
67	0.0	53.6	80.4#
52	0.0	22.1	33.1#

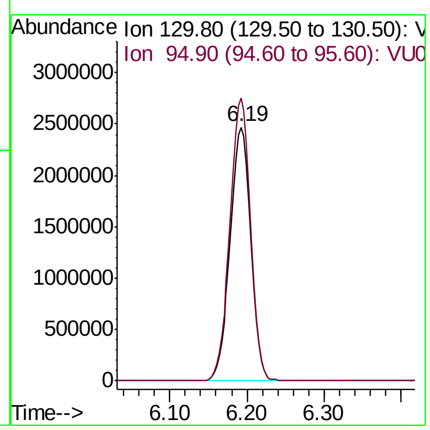


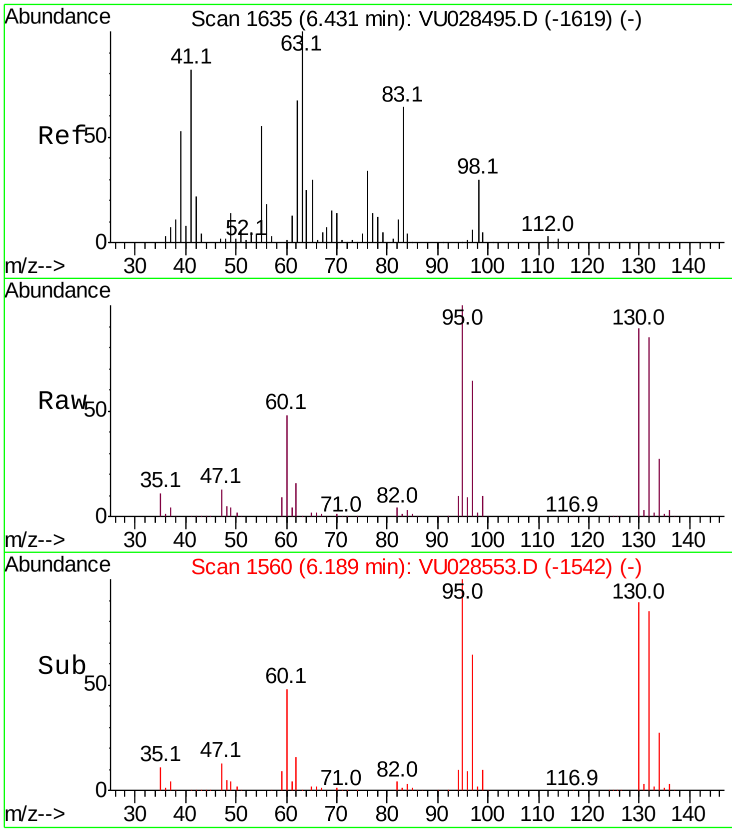


#44
Trichloroethene
Concen: 3591.946 ug/l
RT: 6.19 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion:130 Resp: 4573217

Ion	Ratio	Lower	Upper
130	100		
95	111.2	0.0	224.0



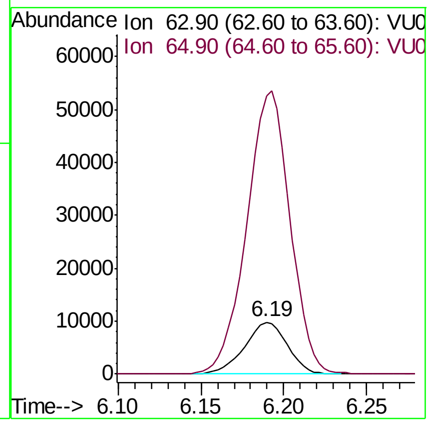


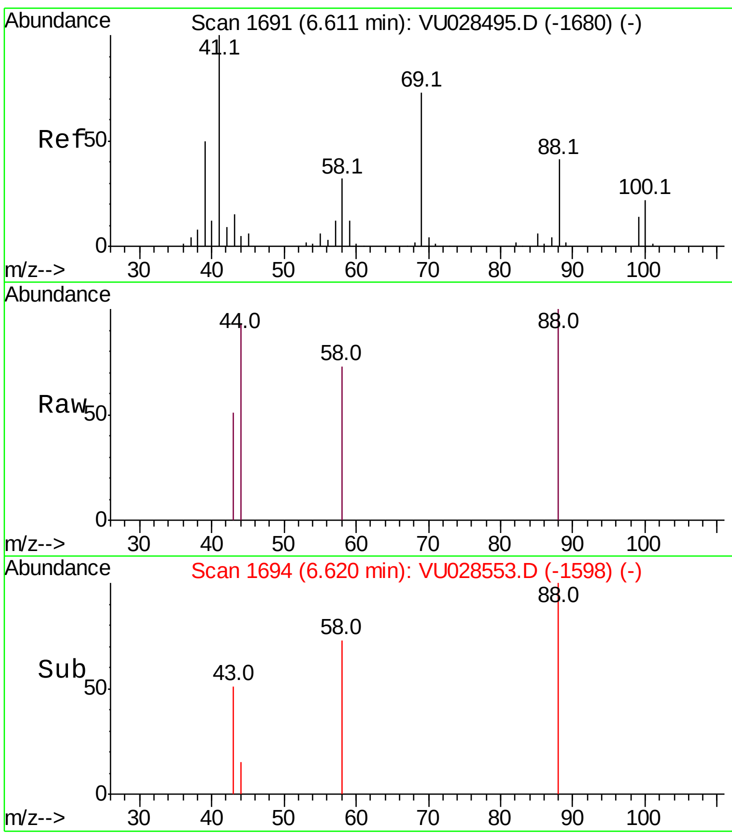
#45
1,2-Dichloropropane
Concen: 11.009 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. -0.24 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion: 63 Resp: 17727

Ion	Ratio	Lower	Upper
63	100		
65	536.3	24.2	36.4#

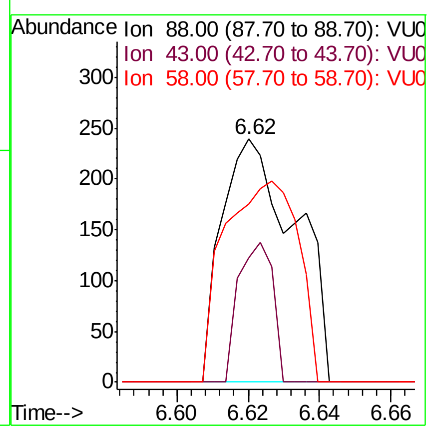


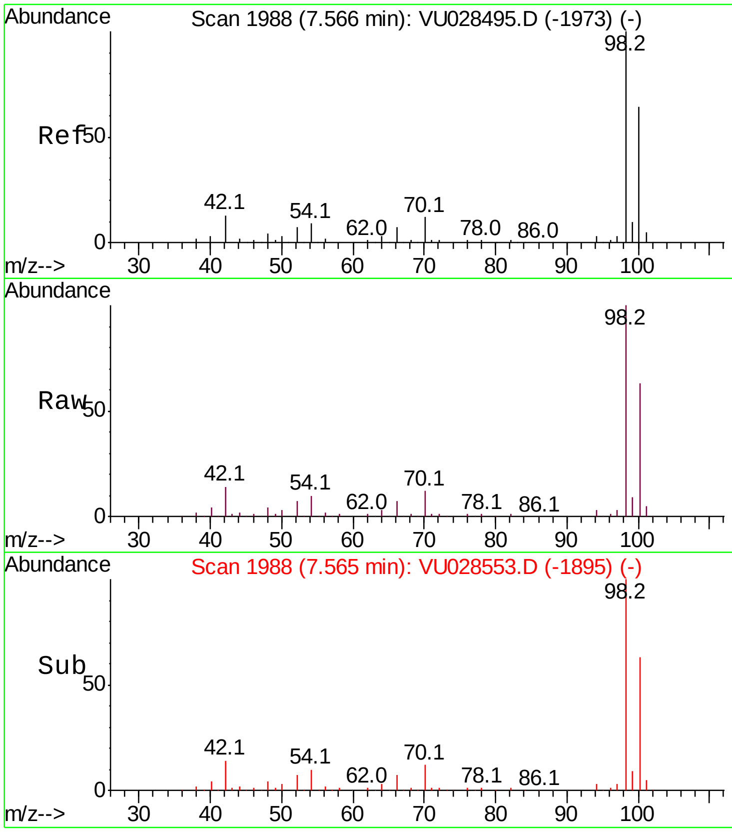


#49
1,4-Dioxane
Concen: 10.956 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 88 Resp: 342

Ion	Ratio	Lower	Upper
88	100		
43	26.9	30.9	46.3#
58	82.7	62.4	93.6



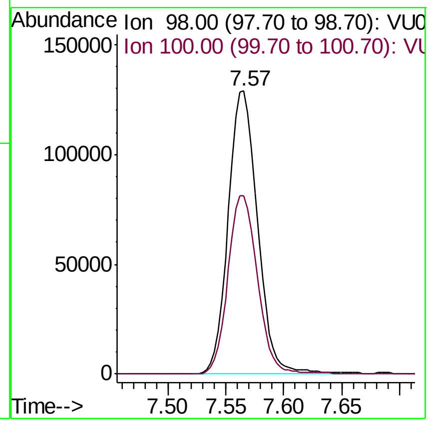


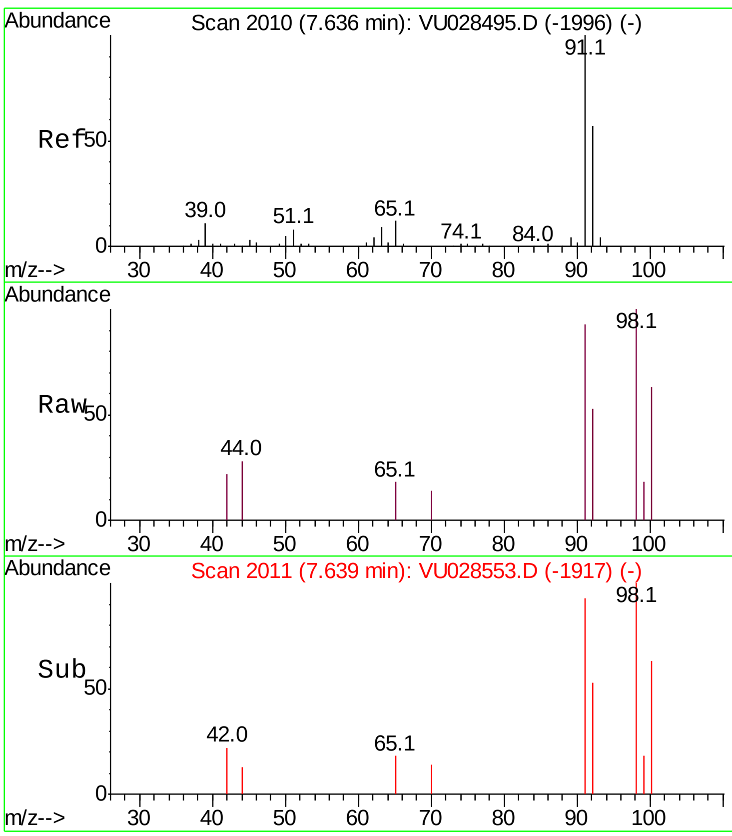
#50
Toluene-d8
Concen: 51.469 ug/l
RT: 7.57 min Scan# 1988
Delta R.T.   -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion: 98 Resp: 227644

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.0	76.6

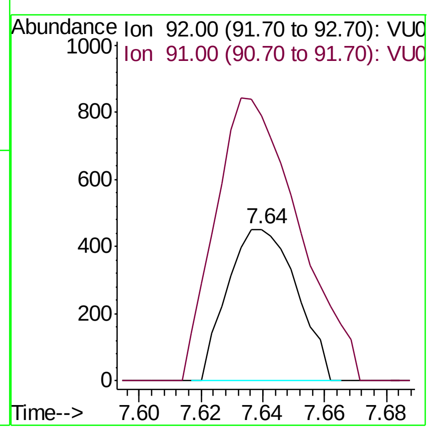


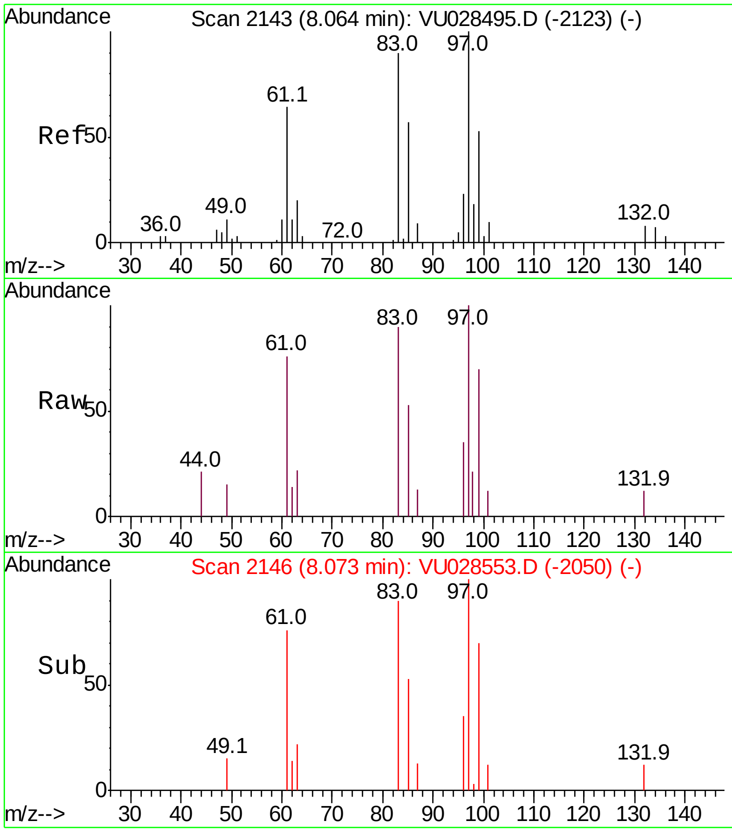


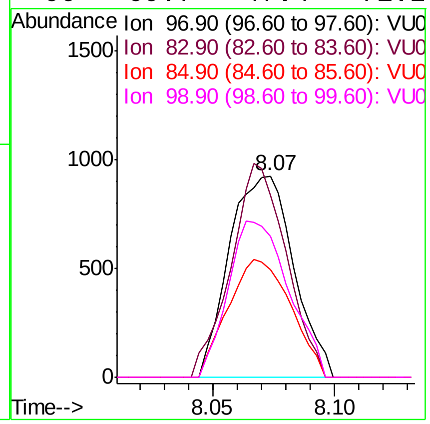
#52
Toluene
Concen: 0.209 ug/l
RT: 7.64 min Scan# 2011
Delta R.T.   0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 92 Resp: 705

Ion	Ratio	Lower	Upper
92	100		
91	224.0	140.2	210.4#





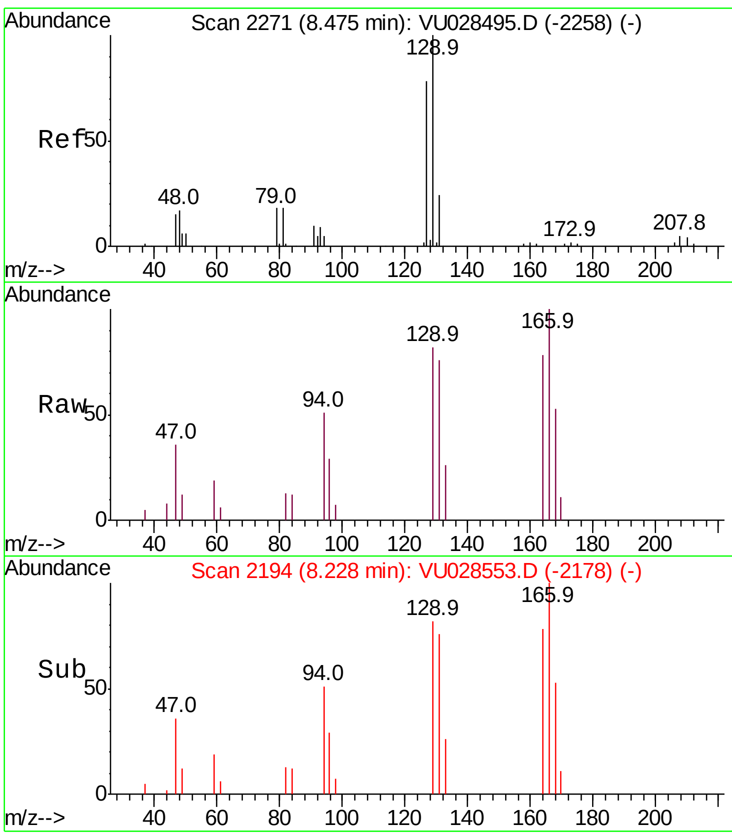


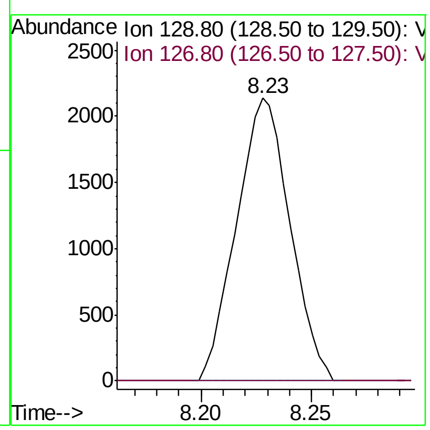
#55
1,1,2-Trichloroethane
Concen: 1.275 ug/l
RT: 8.07 min Scan# 2146
Delta R.T. 0.01 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion: 97 Resp: 1699

Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.4	108.6
85	53.2	46.0	69.0
99	69.7	47.4	71.2





#60
Dibromochloromethane
Concen: 2.760 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion:129 Resp: 3600

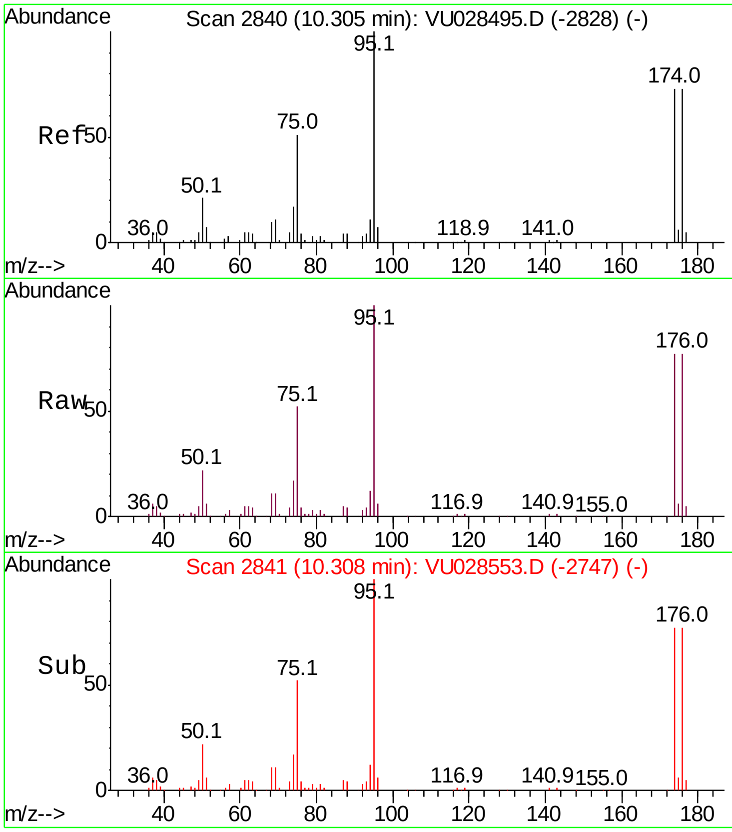
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.3#

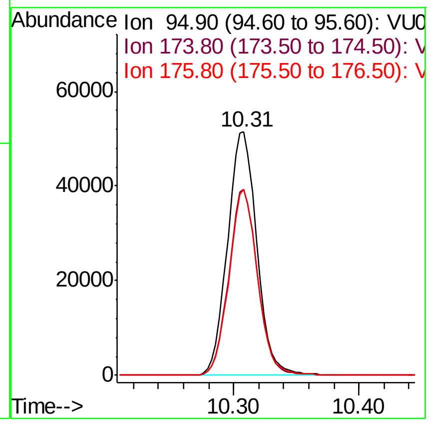
Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

#62
4-Bromofluorobenzene
Concen: 50.446 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 95 Resp: 83394

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.4
176	74.1	0.0	145.2

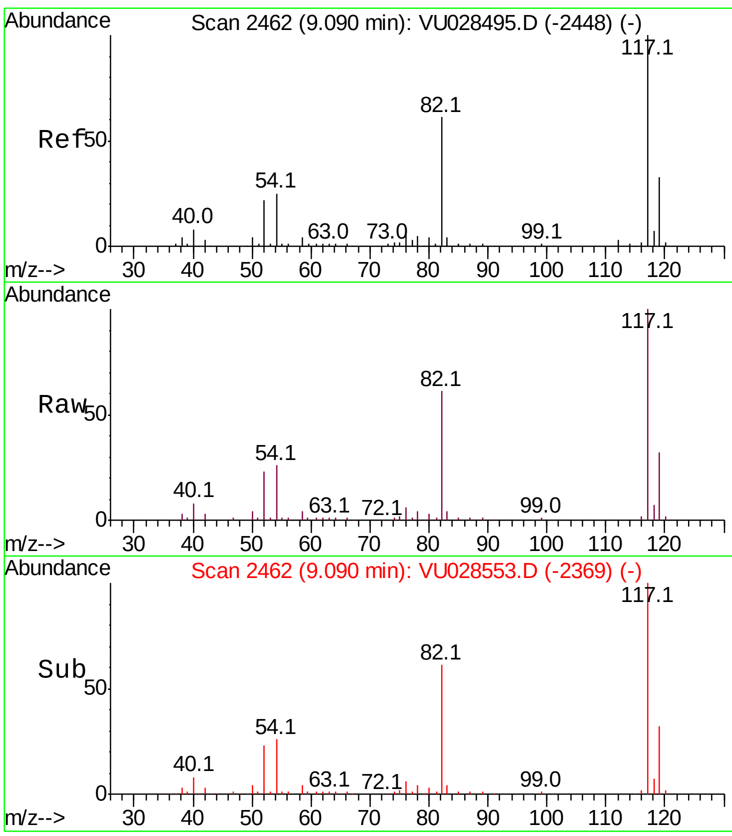


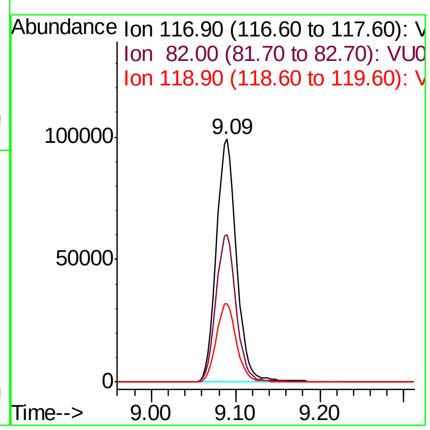


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

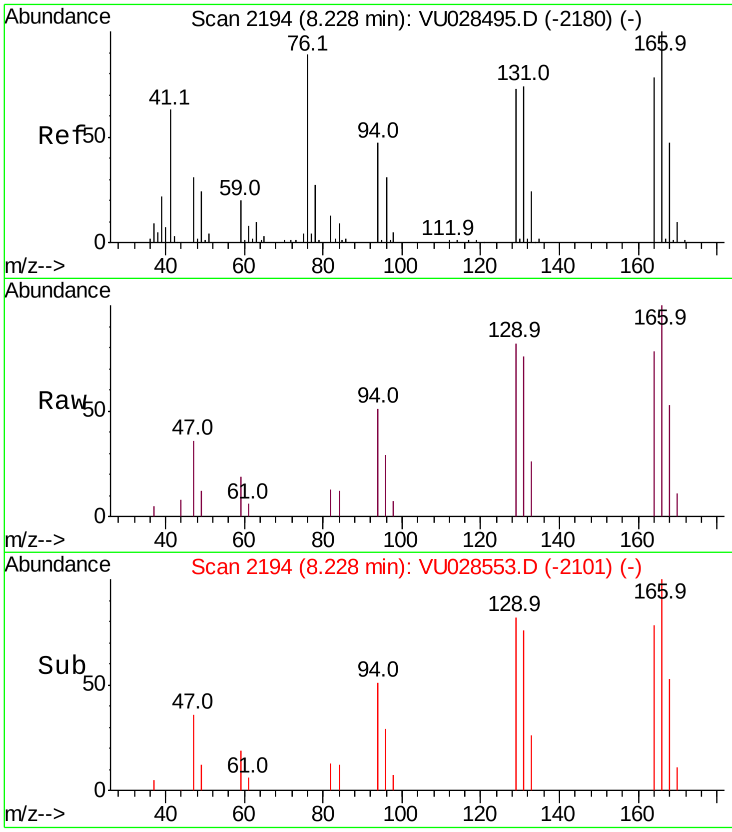
Tgt Ion:117 Resp: 166070

Ion	Ratio	Lower	Upper
117	100		
82	60.9	48.9	73.3
119	32.4	26.2	39.4





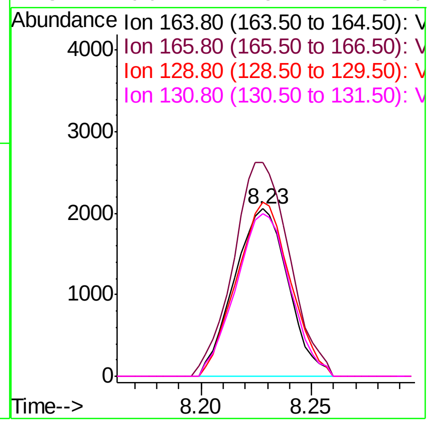
Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

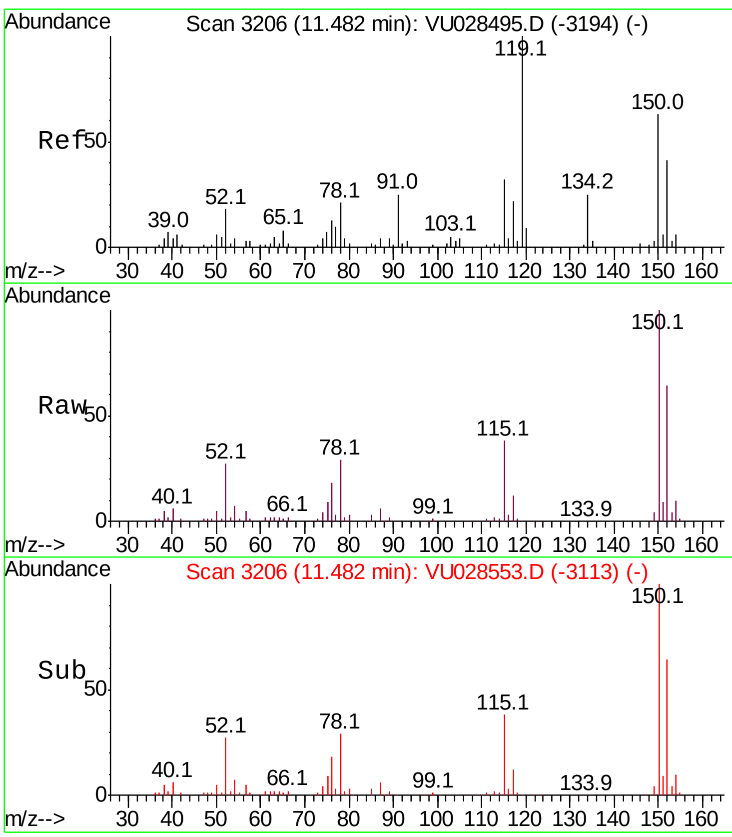


#64
Tetrachloroethene
Concen: 3.146 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion:164 Resp: 3485

Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.9	152.9
129	103.9	74.9	112.3
131	96.7	75.4	113.0

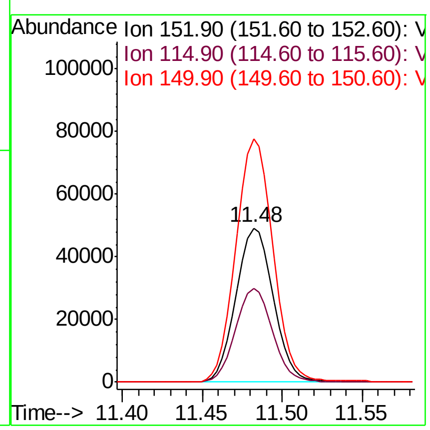


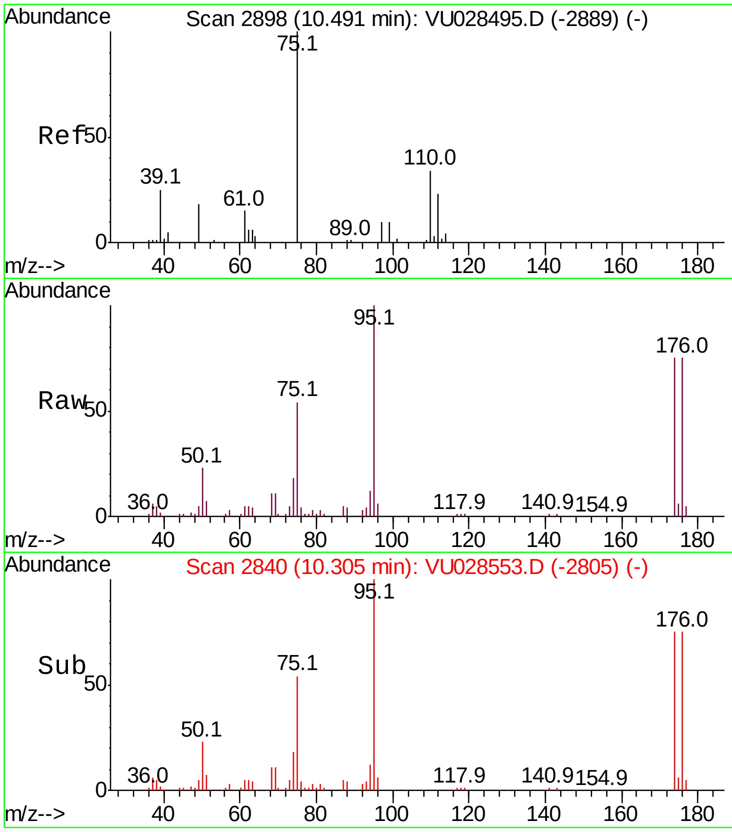


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion:152 Resp: 78605

Ion	Ratio	Lower	Upper
152	100		
115	60.1	42.7	128.1
150	157.2	0.0	346.0



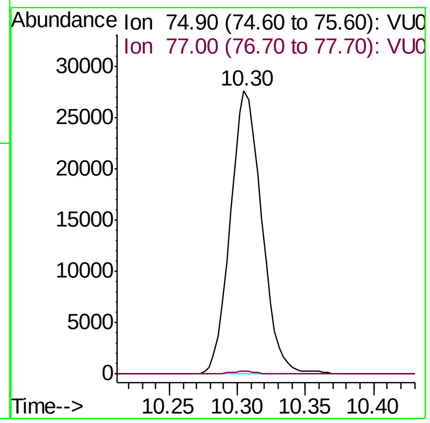


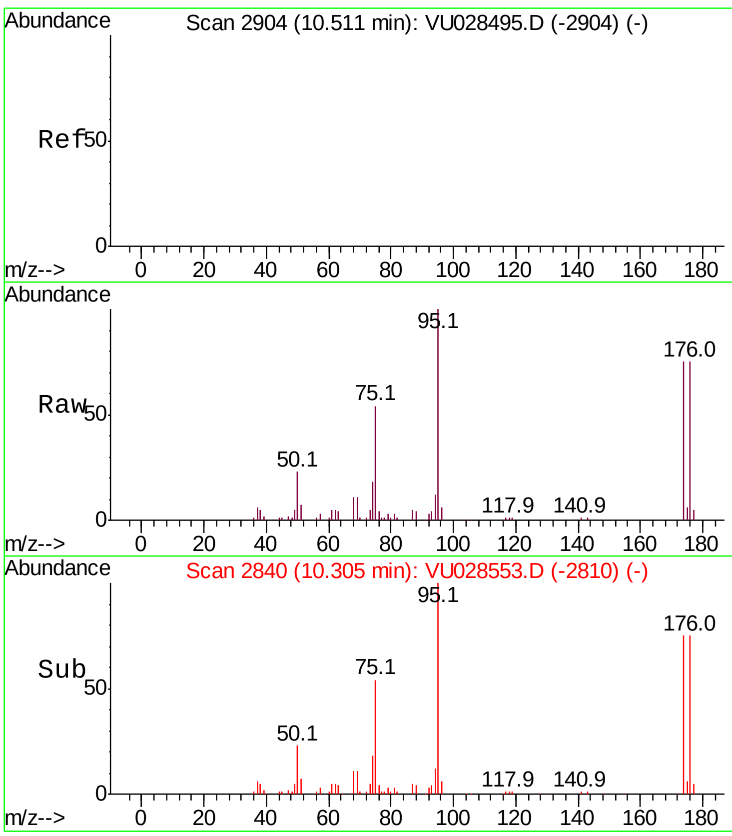
#76
1,2,3-Trichloropropane
Concen: 22.119 ug/l
RT: 10.30 min   Scan# 2840
Delta R.T.   -0.19 min
Lab File: VU028553.D
Acq: 10 Dec 2018   16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tgt Ion: 75 Resp: 44397

Ion	Ratio	Lower	Upper
75	100		
77	0.9	20.8	62.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 54.337 ug/l
RT: 10.30 min   Scan# 2840
Delta R.T.   -0.21 min
Lab File: VU028553.D
Acq: 10 Dec 2018   16:00

Tgt Ion: 75 Resp: 44397

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0