Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121918\
Data File : VX006652.D
Acq On : 19 Dec 2018 22:04
Operator : JC/MD
Sample : J6196-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EO-01-121818-C

Quant Time: Dec 20 04:05:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	612065	50.00 ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	984807	50.00 ug/l	0.00
63) Chlorobenzene-d5	10.11	117	925622	50.00 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	425483	50.00 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	6.07	65	345698	52.41 ug/l	0.00
Spiked Amount 50.000			Recovery = 104.82%		
35) Dibromofluoromethane	5.50	113	295884	47.51 ug/l	0.00
Spiked Amount 50.000			Recovery = 95.02%		
50) Toluene-d8	8.71	98	1197399	51.00 ug/l	0.00
Spiked Amount 50.000			Recovery = 102.00%		
62) 4-Bromofluorobenzene	11.13	95	429592	49.96 ug/l	0.00
Spiked Amount 50.000			Recovery = 99.92%		
Target Compounds					Qvalue
3) Chloromethane	1.33	50	1322	0.219 ug/l	91
5) Bromomethane	1.64	94	714	Below Cal #	59
8) Diethyl Ether	2.19	74	22694	5.817 ug/l	95
13) Acrolein	2.30	56	616	0.620 ug/l #	54
14) Allyl chloride	2.85	41	28428	3.088 ug/l #	26
16) Acetone	2.45	43	40390	13.327 ug/l	94
18) Methyl Acetate	2.78	43	32514	3.648 ug/l	97
20) Methylene Chloride	2.86	84	814600	129.985 ug/l	98
25) 2-Butanone	4.70	43	4209	0.987 ug/l	92
28) Bromochloromethane	5.01	49	68	Below Cal #	34
31) Cyclohexane	5.66	56	10687	1.170 ug/l #	23
36) 1,1-Dichloropropene	5.67	75	42154	5.168 ug/l #	49
38) Carbon Tetrachloride	5.67	117	59612	7.520 ug/l #	15
40) Benzene	6.15	78	31573	1.273 ug/l	92
43) Isopropyl Acetate	6.45	43	36255	2.807 ug/l	97
48) Methyl methacrylate	7.68	41	22317	3.397 ug/l #	12
49) 1,4-Dioxane	7.76	88	188	Below Cal #	27
51) 4-Methyl-2-Pentanone	8.62	43	195955	23.843 ug/l #	49
52) Toluene	8.78	92	45877	2.864 ug/l	95
54) cis-1,3-Dichloropropene	8.62	75	101800	11.741 ug/l #	59
57) 1,3-Dichloropropane	9.54	76	21713	2.058 ug/l #	44
59) 2-Hexanone	9.54	43	269888	42.919 ug/l #	50
60) Dibromochloromethane	9.58	129	160	2.346 ug/l	68
68) m/p-Xylenes	10.35	106	4623	0.366 ug/l	90
69) o-Xylene	10.70	106	2822	0.226 ug/l	98
71) Bromoform	10.96	173	156	4.486 ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	198921	25.157 ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	9363	0.391 ug/l	95
81) trans-1,4-Dichloro-2-buten	11.13	75	198921	74.311 ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	14586	0.578 ug/l	94
90) Hexachloroethane	12.59	117	623	3.437 ug/l #	6
95) Naphthalene	13.83	128	56242	1.801 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
Data File : VX006652.D
Acq On : 19 Dec 2018 22:04
Operator : JC/MD
Sample : J6196-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Quant Time: Dec 20 04:05:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

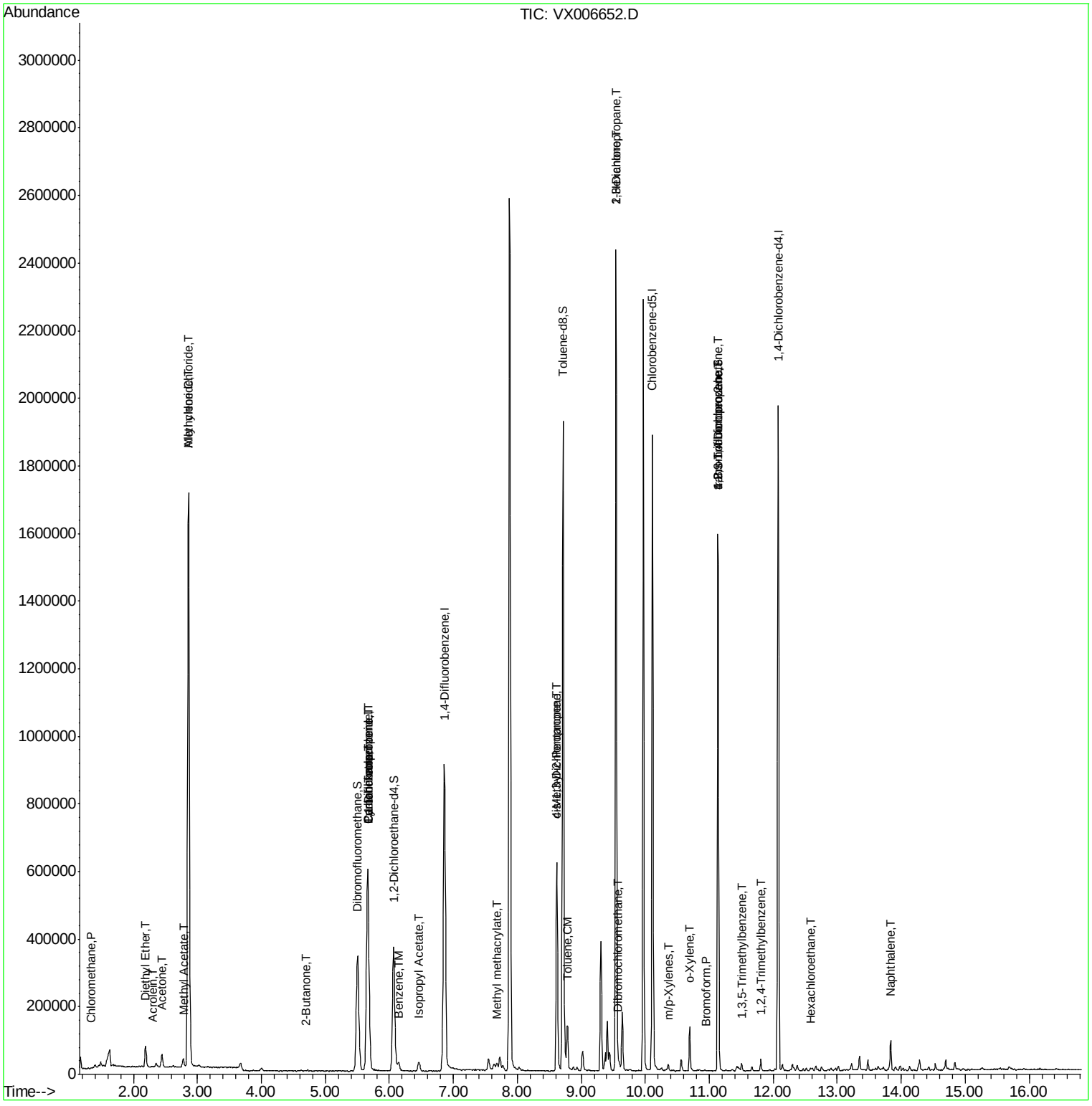
(#) = qualifier out of range (m) = manual integration (+) = signals summed

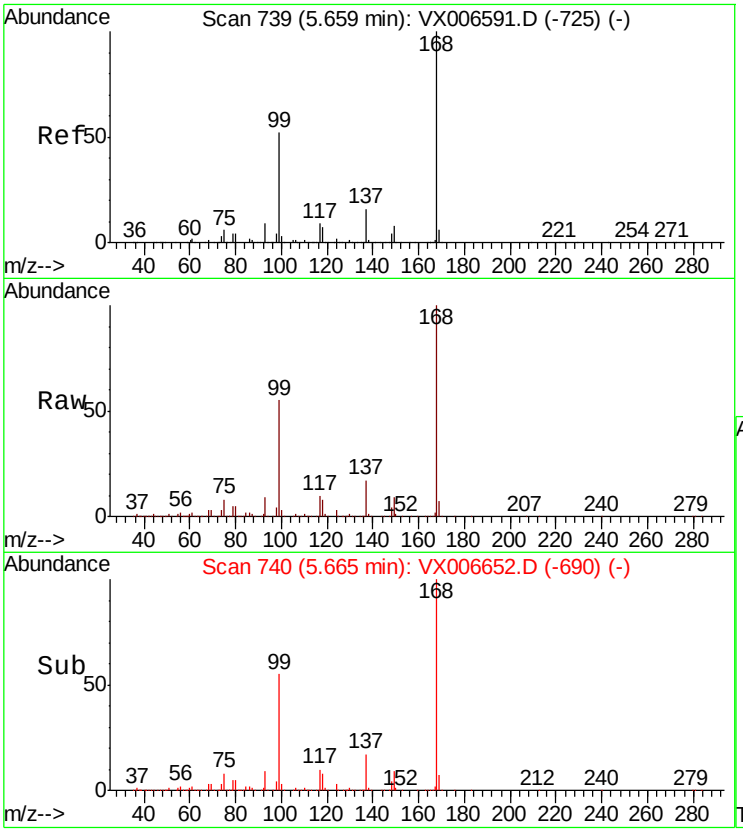
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121918\
Data File : VX006652.D
Acq On : 19 Dec 2018 22:04
Operator : JC/MD
Sample : J6196-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Quant Time: Dec 20 04:05:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration



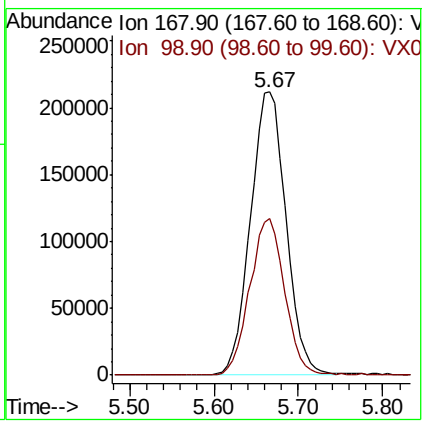


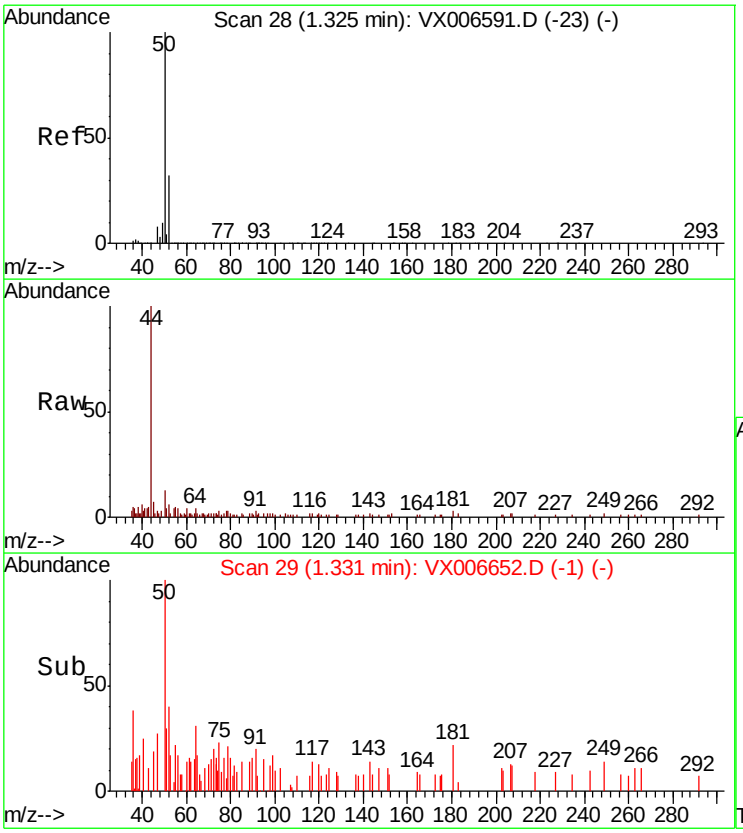
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion:168 Resp: 612065

Ion	Ratio	Lower	Upper
168	100		
99	55.4	41.8	62.8

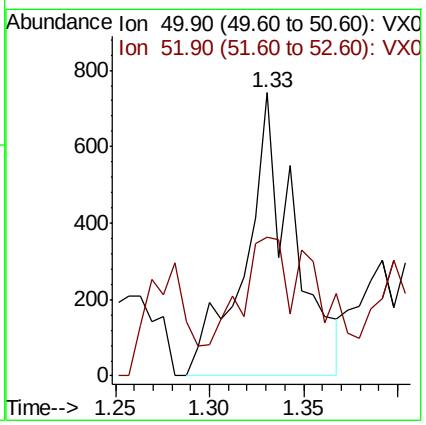


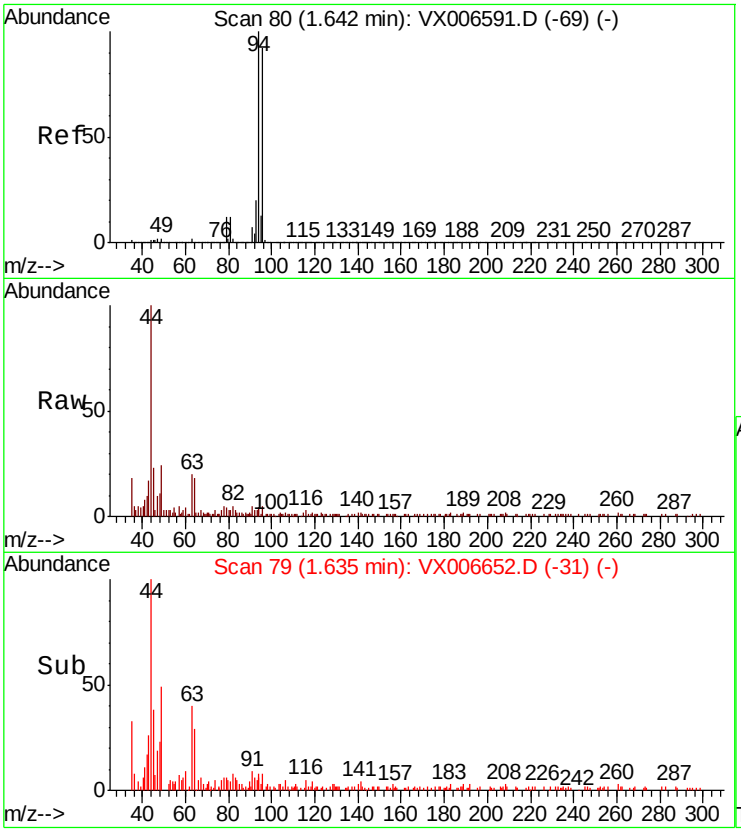


#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 50 Resp: 1322

Ion	Ratio	Lower	Upper
50	100		
52	36.8	25.4	38.2



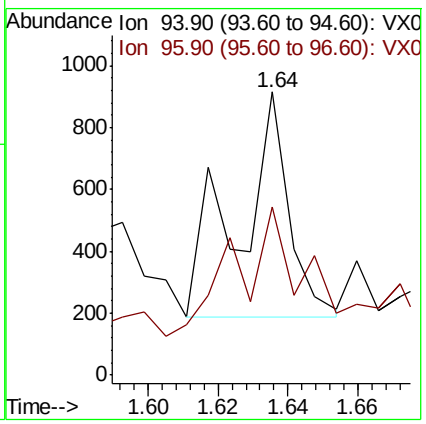


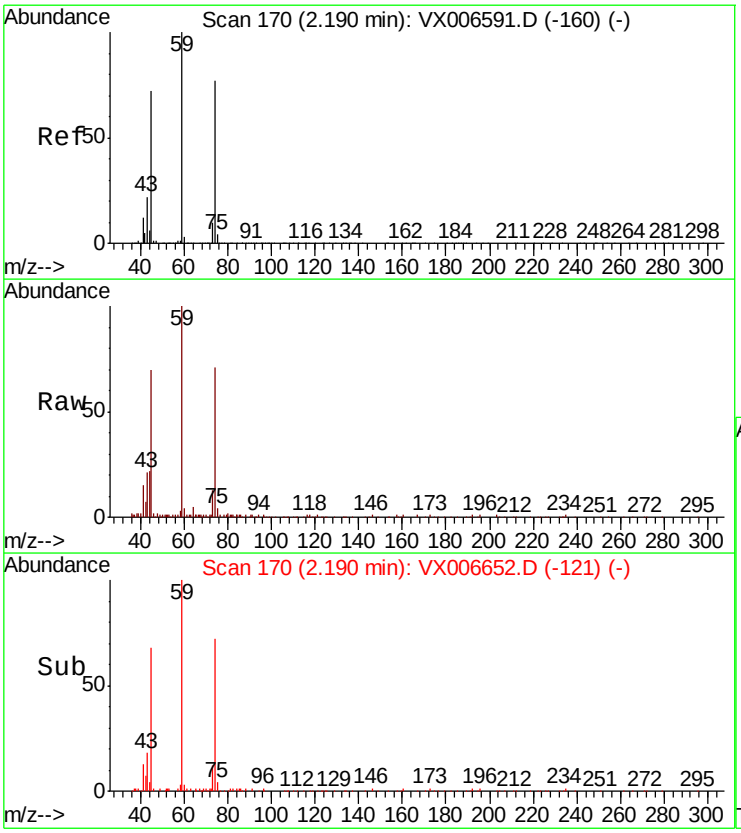
#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 79
Delta R.T. -0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion: 94 Resp: 714

Ion	Ratio	Lower	Upper
94	100		
96	52.5	73.4	110.2#

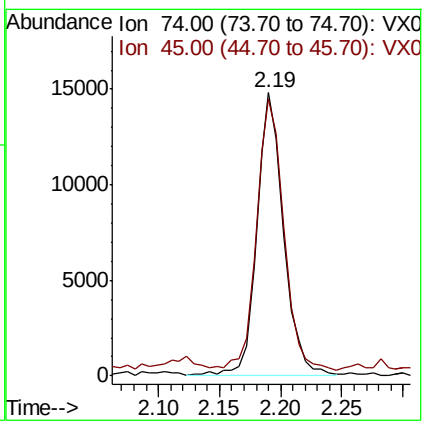


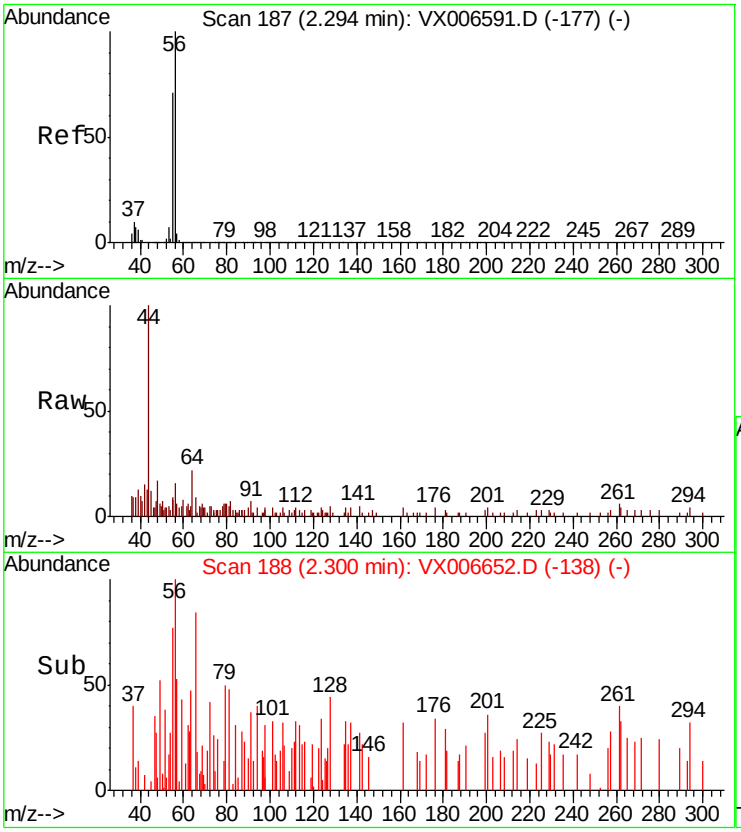


#8
Diethyl Ether
Concen: 5.817 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 74 Resp: 22694

Ion	Ratio	Lower	Upper
74	100		
45	97.8	46.3	138.9



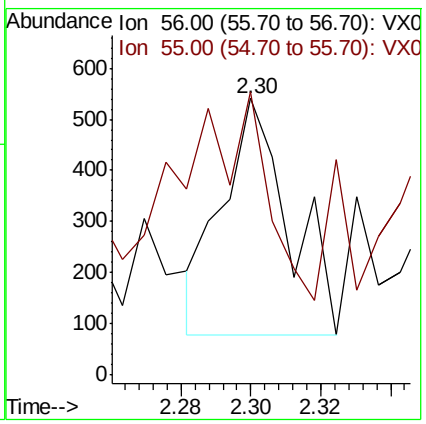


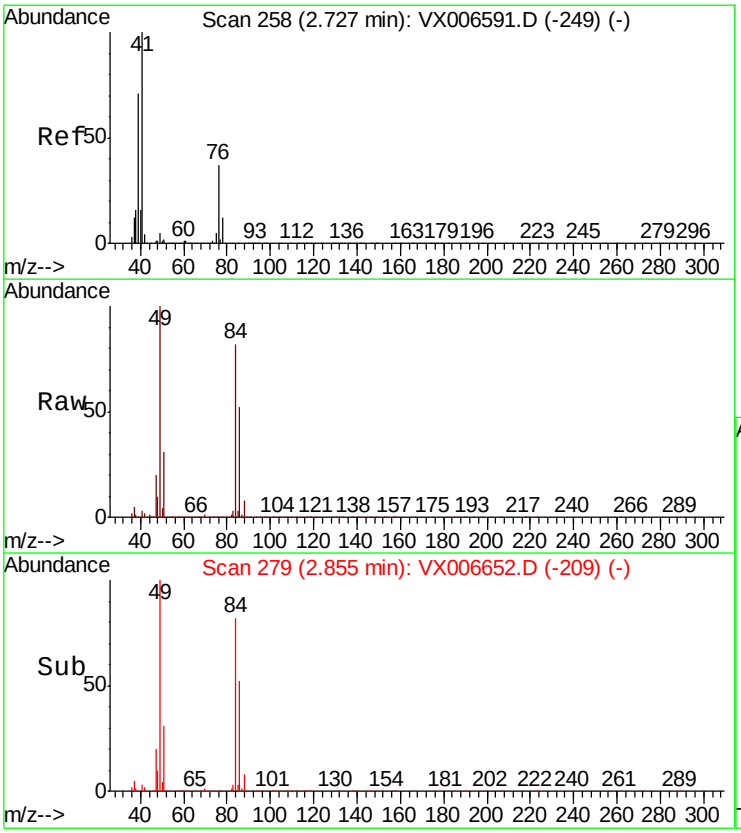
#13
Acrolein
Concen: 0.620 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion: 56 Resp: 616

Ion	Ratio	Lower	Upper
56	100		
55	111.0	58.2	87.4#

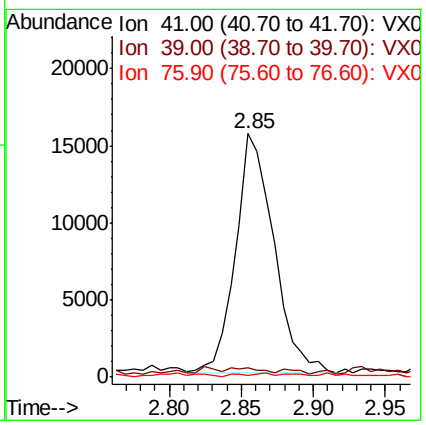


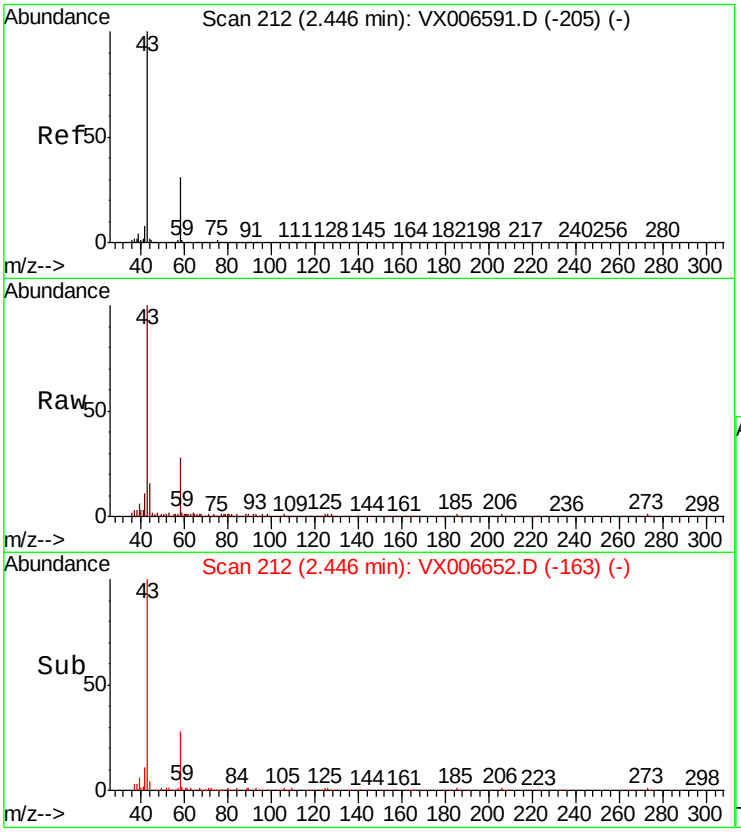


#14
Allyl chloride
Concen: 3.088 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.13 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 41 Resp: 28428

Ion	Ratio	Lower	Upper
41	100		
39	1.6	53.6	80.4#
76	0.0	27.4	41.2#



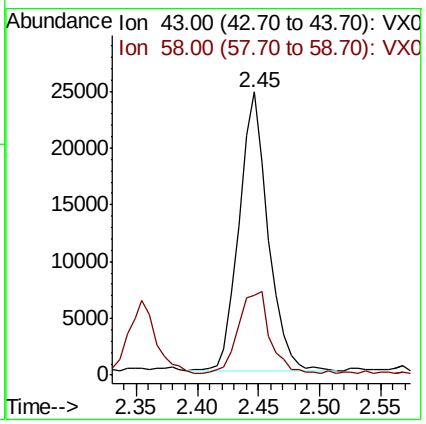


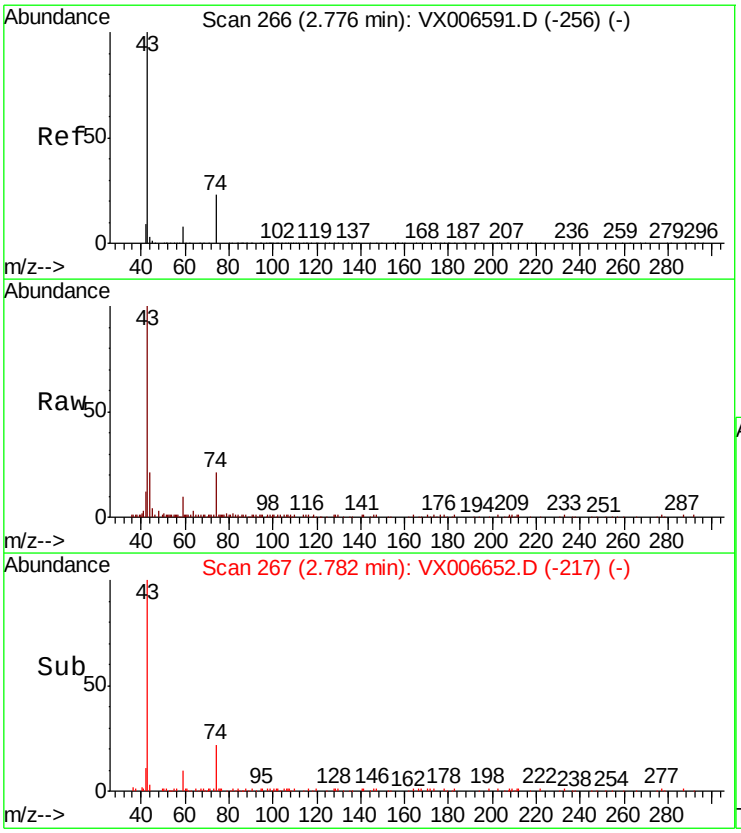
#16
Acetone
Concen: 13.327 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion: 43 Resp: 40390

Ion	Ratio	Lower	Upper
43	100		
58	27.8	25.0	37.6

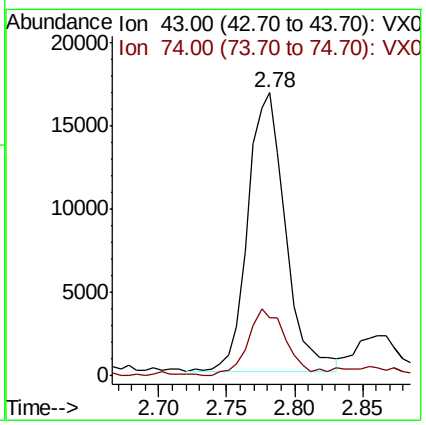


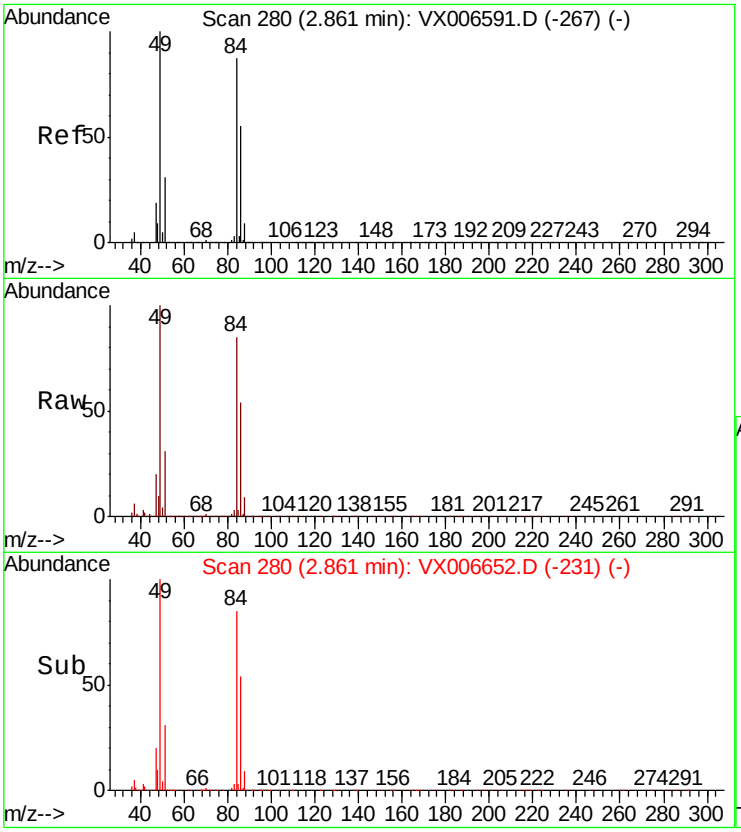


#18
Methyl Acetate
Concen: 3.648 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 43 Resp: 32514

Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.6	28.0



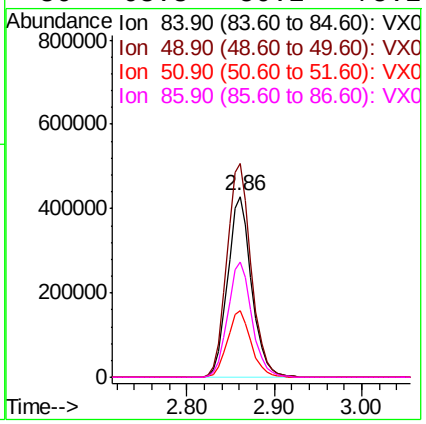


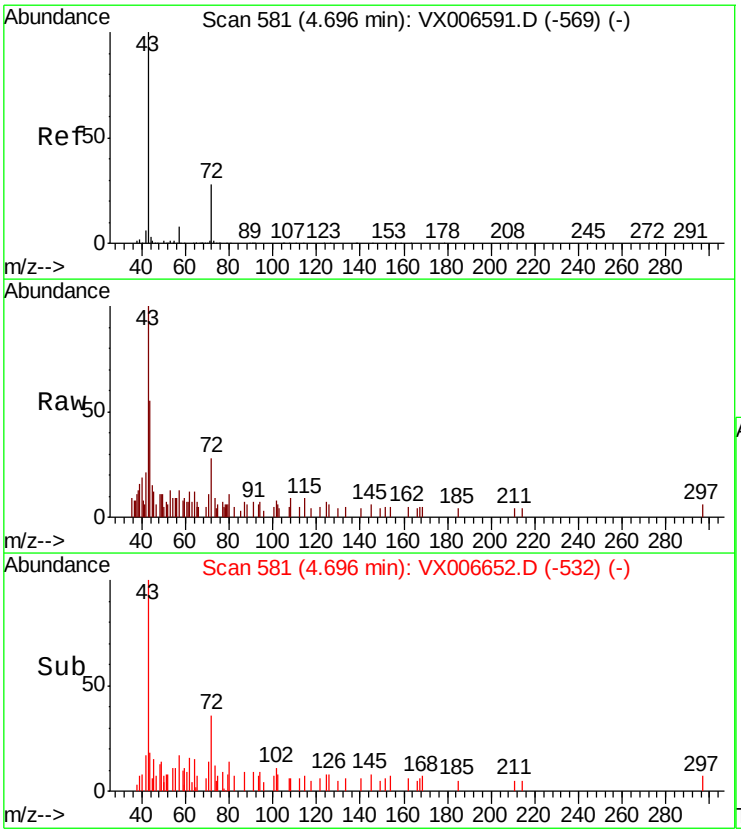
#20
Methylene Chloride
Concen: 129.985 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument : MSVOA_X
ClientSampleId : EO-01-121818-C

Tgt Ion: 84 Resp: 814600

Ion	Ratio	Lower	Upper
84	100		
49	117.8	91.8	137.6
51	36.9	28.5	42.7
86	63.8	50.2	75.2

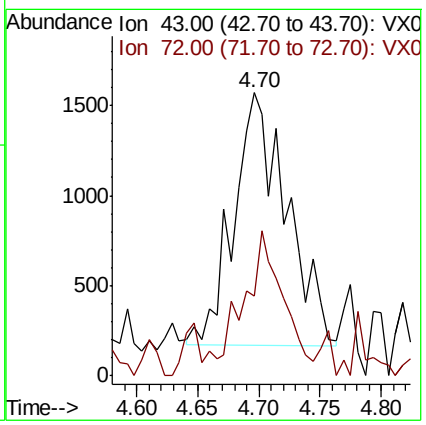


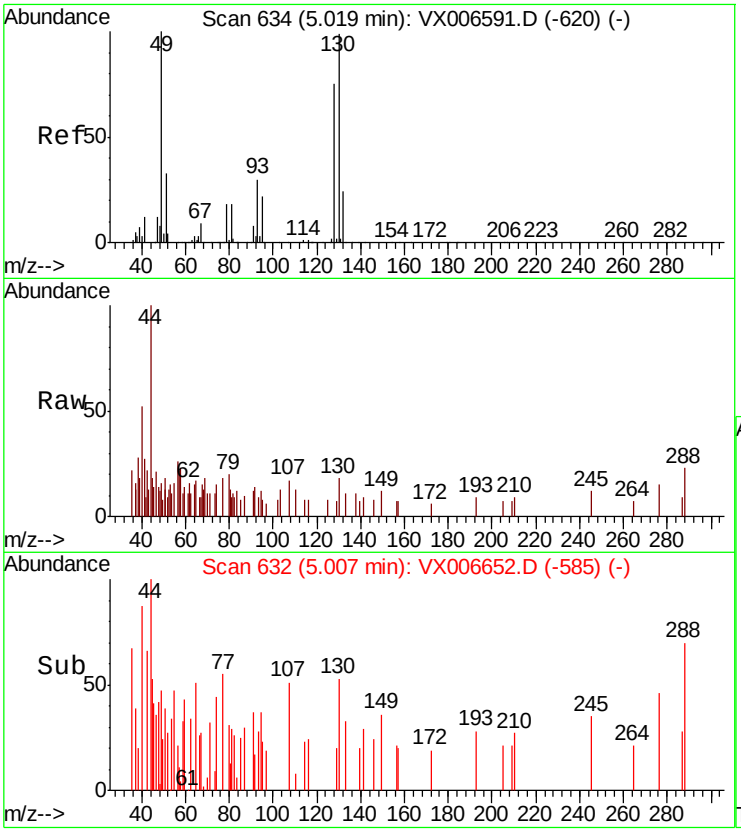


#25
2-Butanone
Concen: 0.987 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 43 Resp: 4209

Ion	Ratio	Lower	Upper
43	100		
72	32.3	22.4	33.6



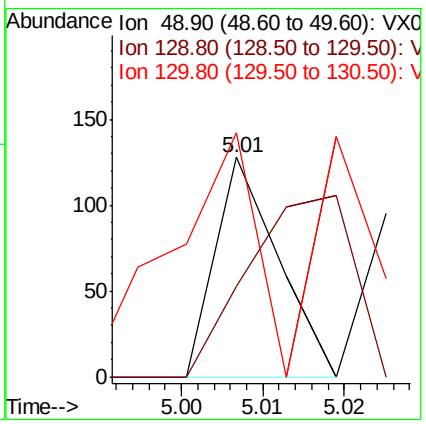


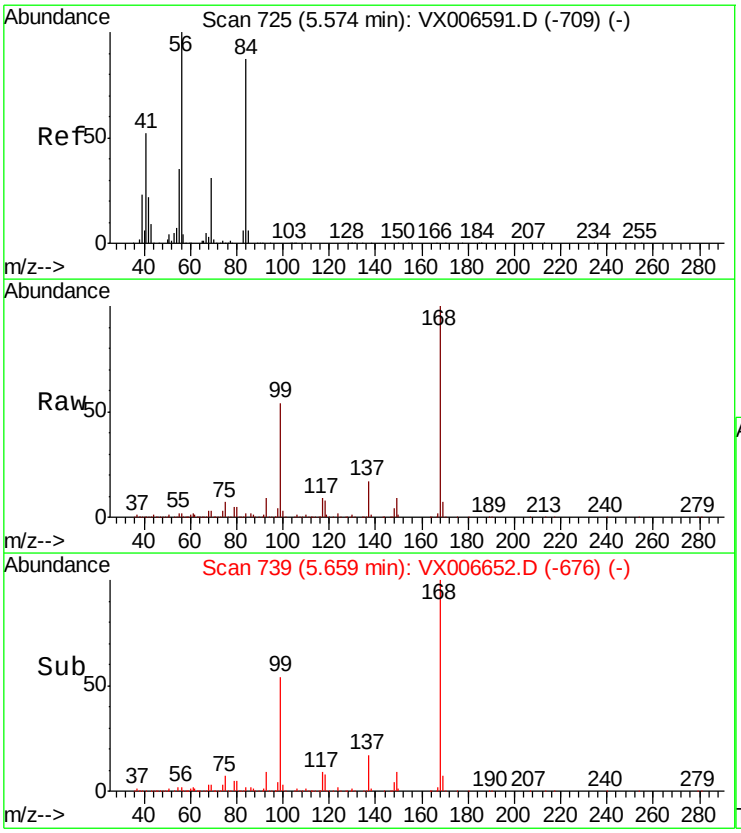
#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument : MSVOA_X
ClientSampleId : EO-01-121818-C

Tgt Ion: 49 Resp: 68

Ion	Ratio	Lower	Upper
49	100		
129	138.2	0.0	5.4#
130	152.9	77.7	116.5#

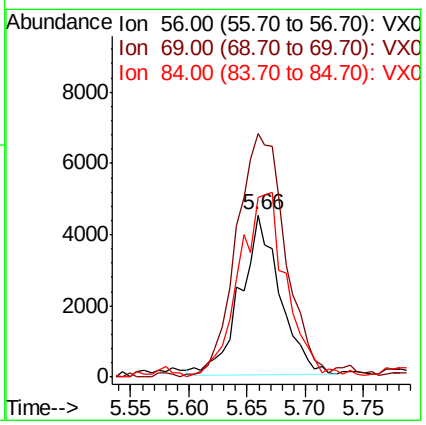


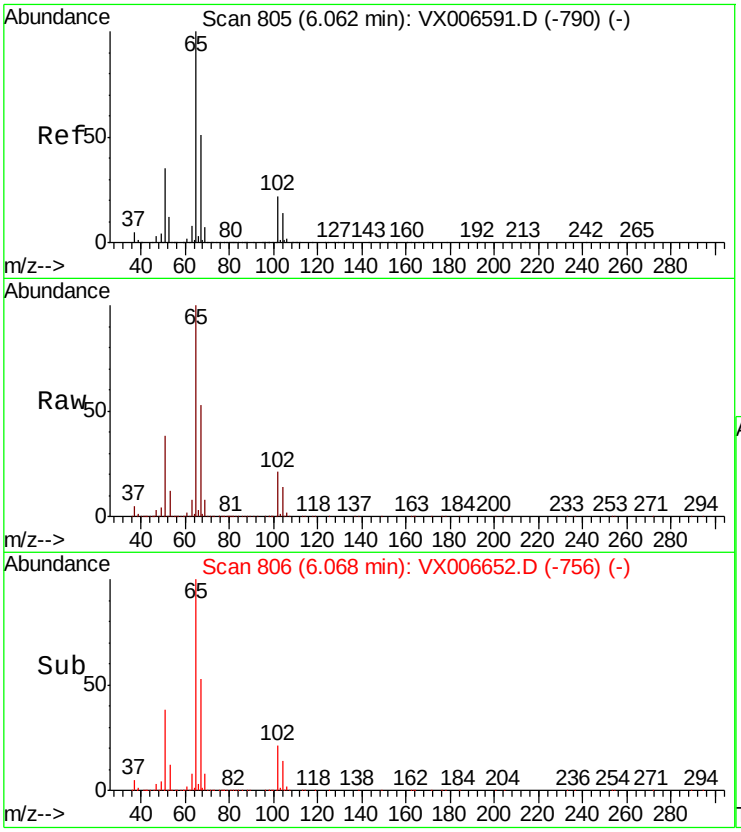


#31
Cyclohexane
Concen: 1.170 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 56 Resp: 10687

Ion	Ratio	Lower	Upper
56	100		
69	150.9	24.4	36.6#
84	112.7	70.0	105.0#



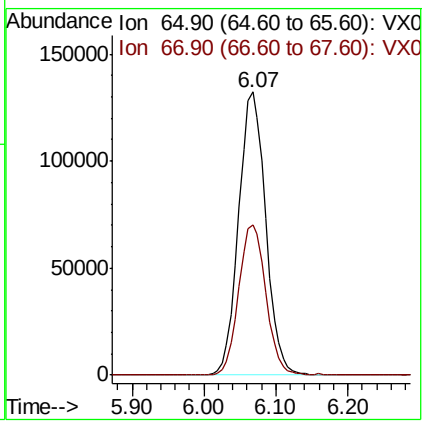


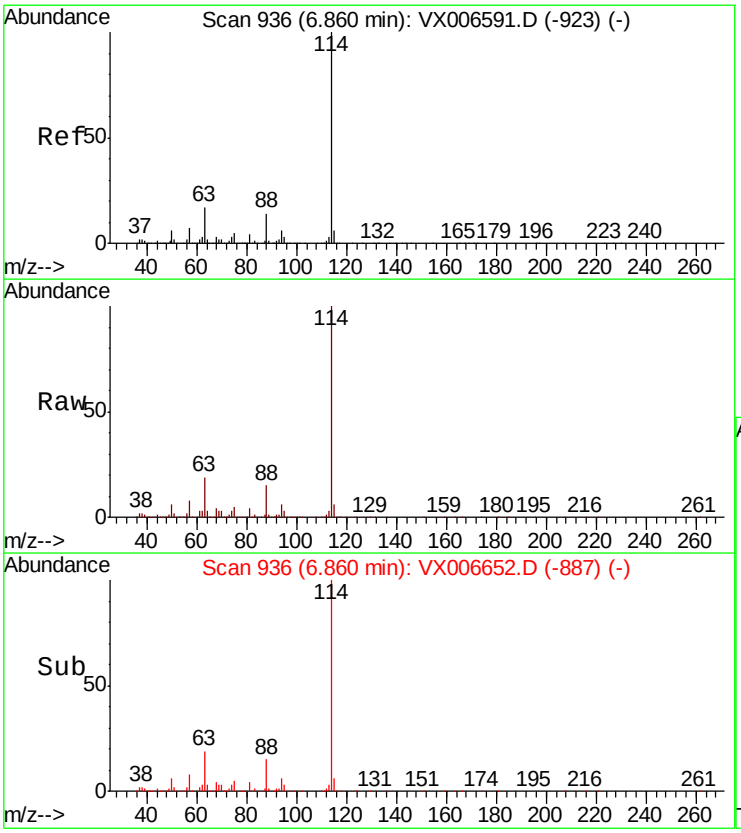
#33
1,2-Dichloroethane-d4
Concen: 52.406 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument : MSVOA_X
ClientSampleId : EO-01-121818-C

Tgt Ion: 65 Resp: 345698

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.0

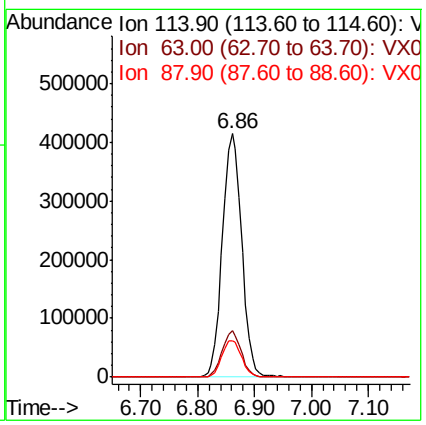


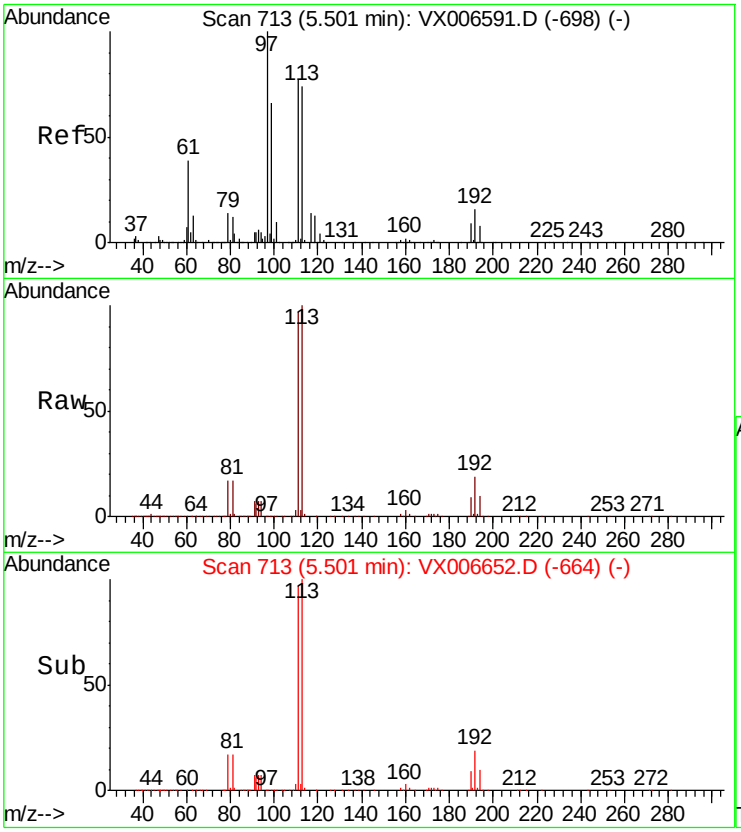


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion:114 Resp: 984807

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	34.8
88	15.1	0.0	28.8



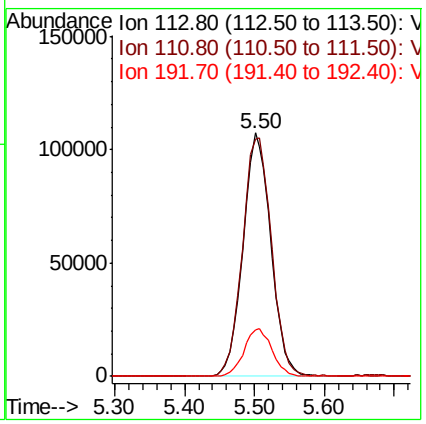


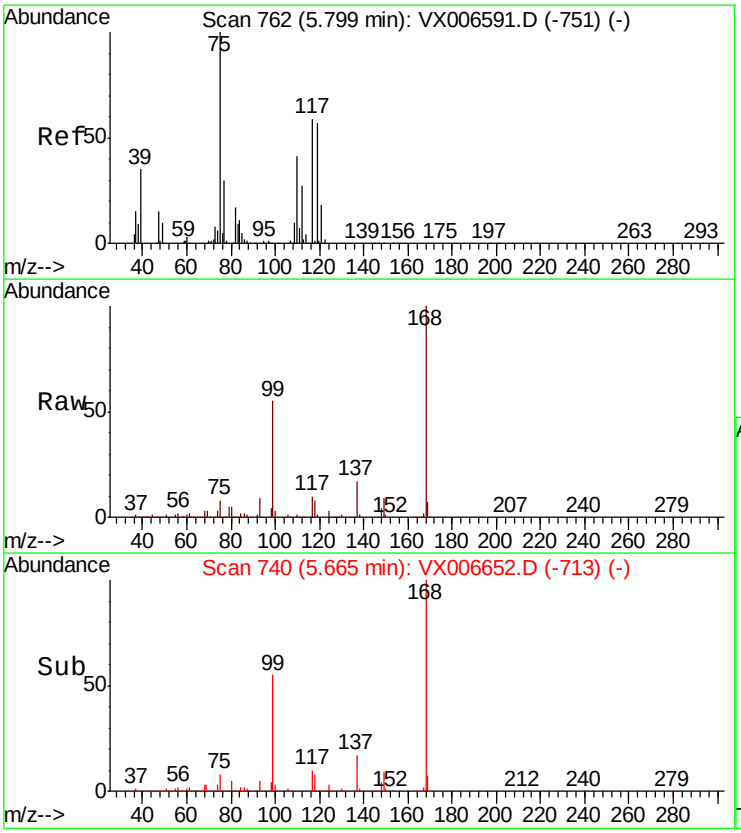
#35
Dibromofluoromethane
Concen: 47.511 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion:113 Resp: 295884

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.6	122.4
192	20.0	16.7	25.1

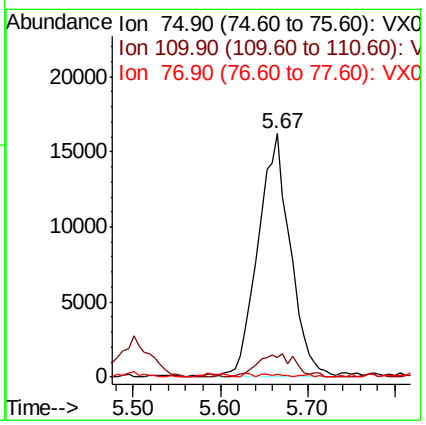


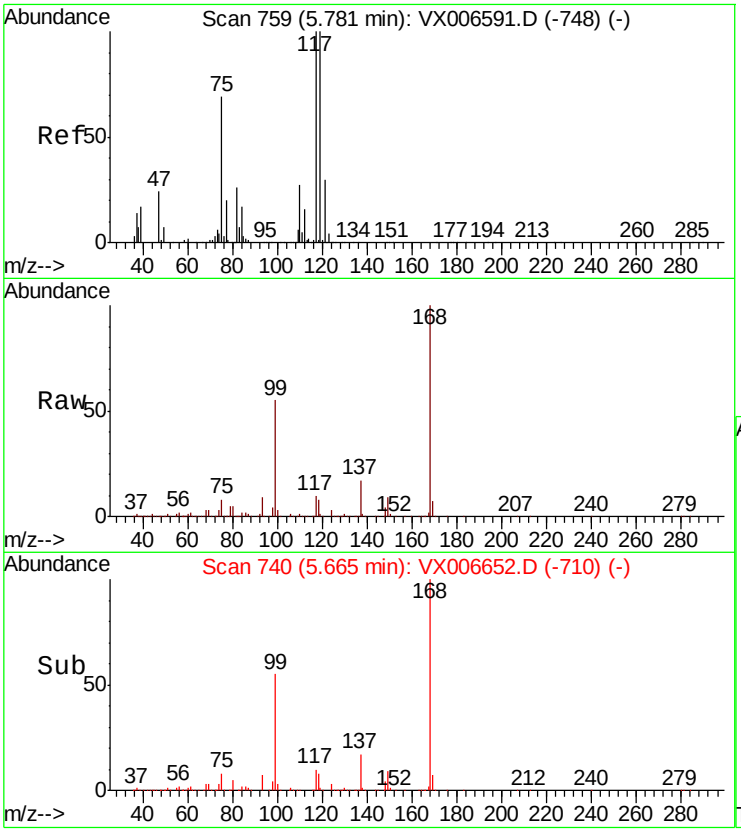


#36
1,1-Dichloropropene
Concen: 5.168 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 75 Resp: 42154

Ion	Ratio	Lower	Upper
75	100		
110	11.0	20.2	60.5#
77	0.8	24.8	37.2#



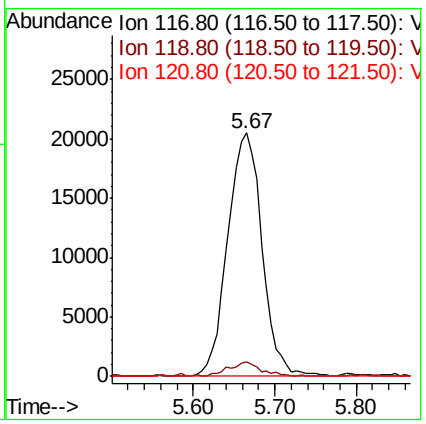


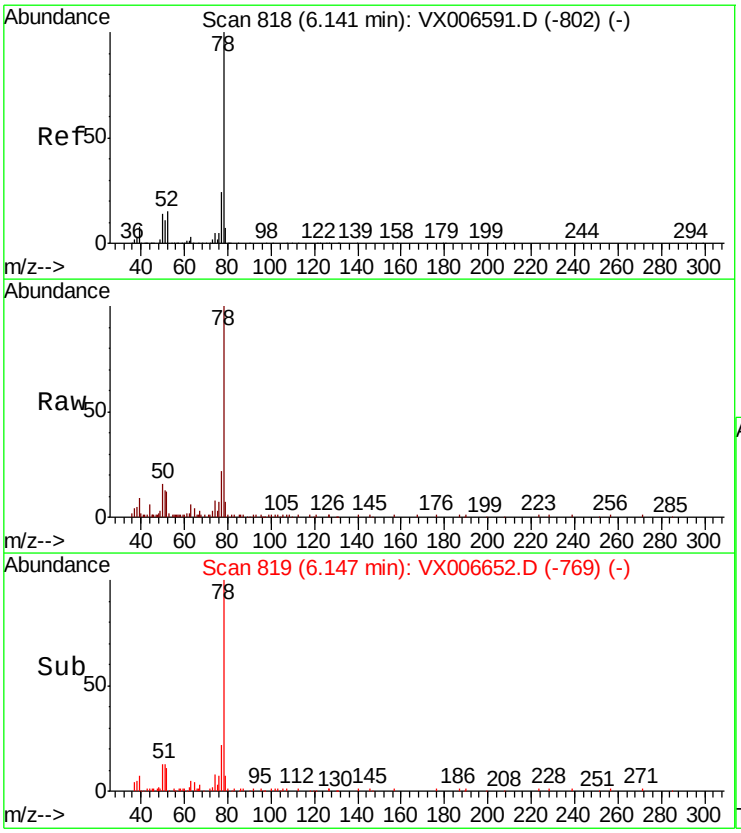
#38
Carbon Tetrachloride
Concen: 7.520 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument : MSVOA_X
ClientSampleId : EO-01-121818-C

Tgt Ion:117 Resp: 59612

Ion	Ratio	Lower	Upper
117	100		
119	5.6	79.4	119.2#
121	0.0	24.0	36.0#

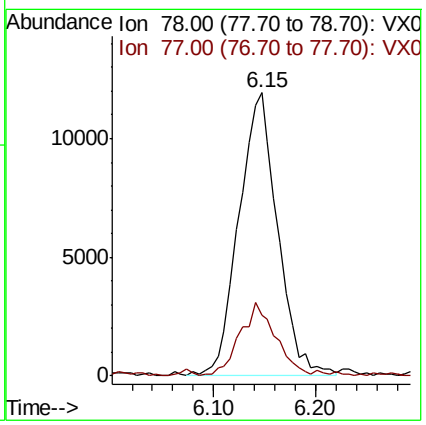


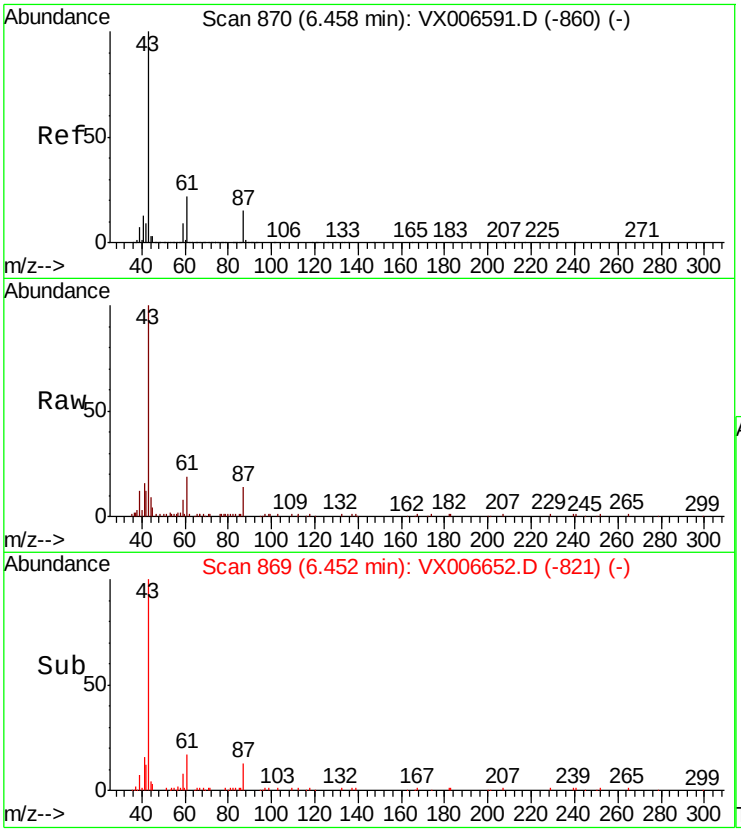


#40
Benzene
Concen: 1.273 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 78 Resp: 31573

Ion	Ratio	Lower	Upper
78	100		
77	19.9	19.2	28.8



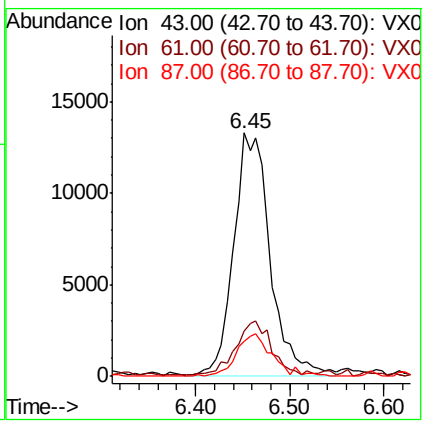


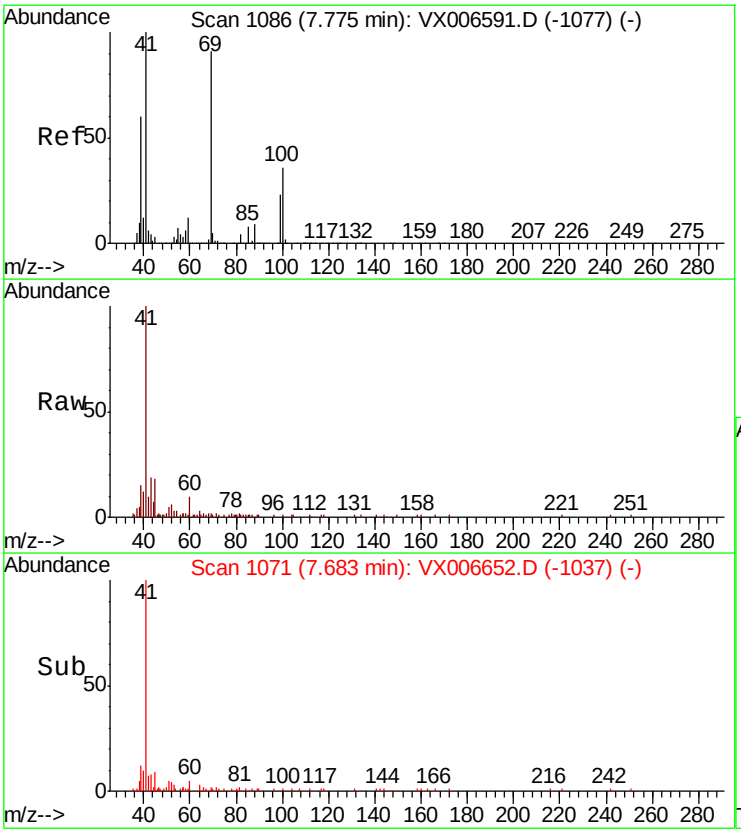
#43
Isopropyl Acetate
Concen: 2.807 ug/l
RT: 6.45 min Scan# 869
Delta R.T. -0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion: 43 Resp: 36255

Ion	Ratio	Lower	Upper
43	100		
61	22.1	16.8	25.2
87	16.7	12.4	18.6

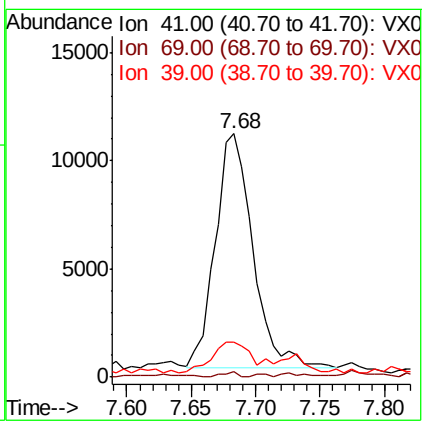


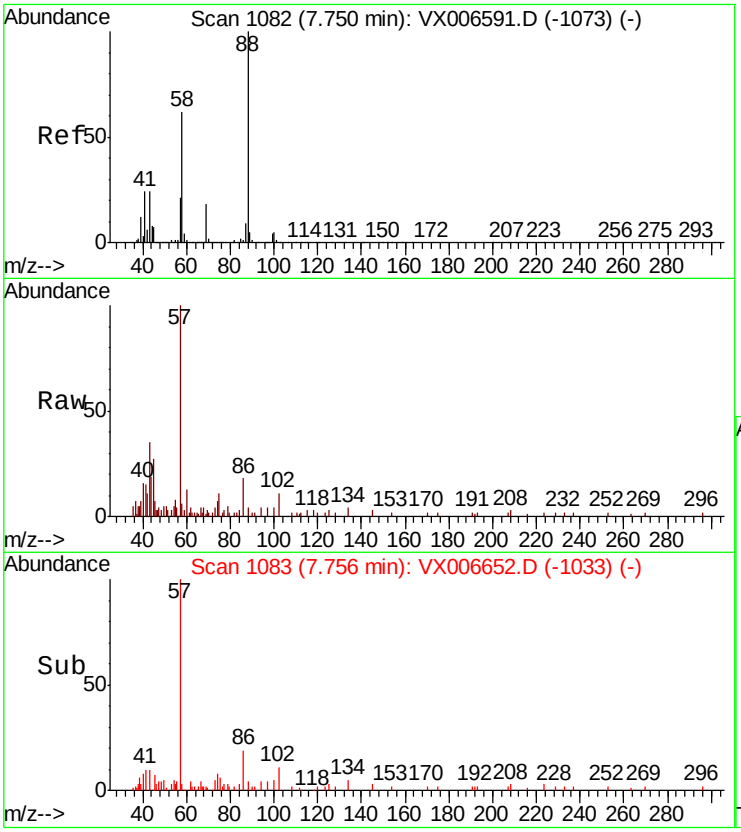


#48
Methyl methacrylate
Concen: 3.397 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 41 Resp: 22317

Ion	Ratio	Lower	Upper
41	100		
69	0.8	72.4	108.6#
39	0.0	45.8	68.8#



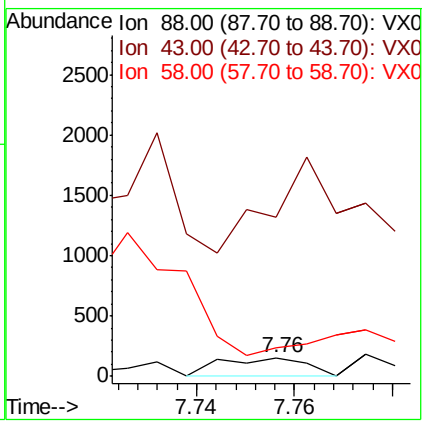


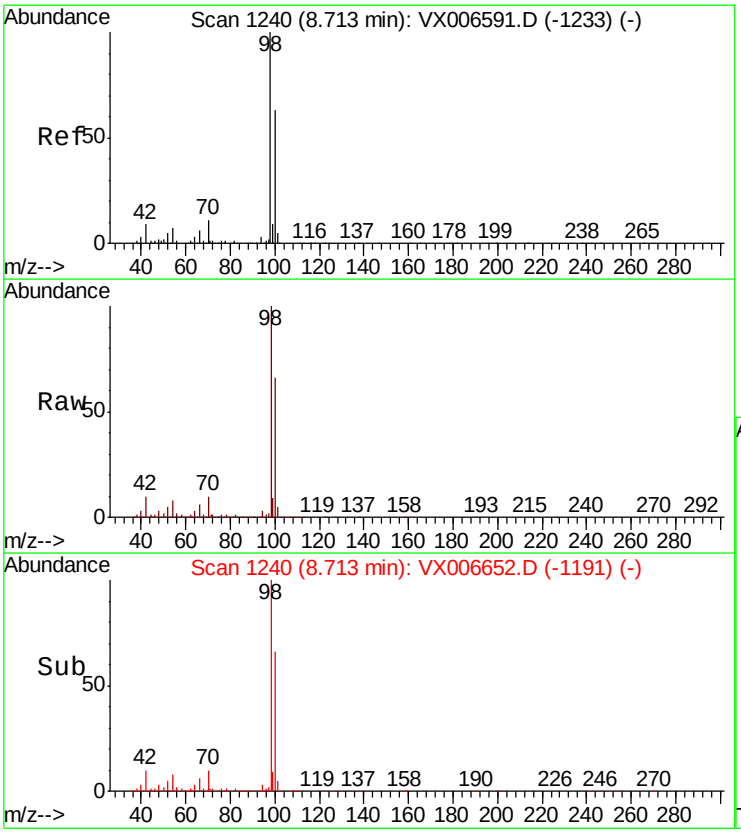
#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument : MSVOA_X
ClientSampleId : EO-01-121818-C

Tgt Ion: 88 Resp: 188

Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.2	33.4#
58	0.0	51.0	76.4#

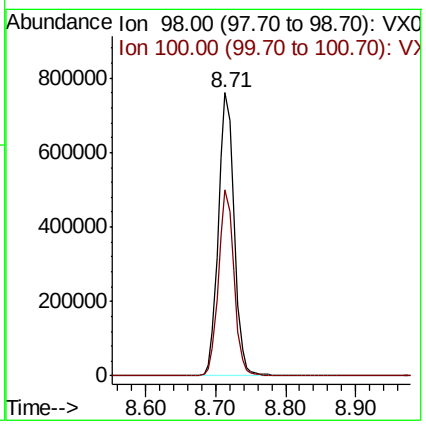


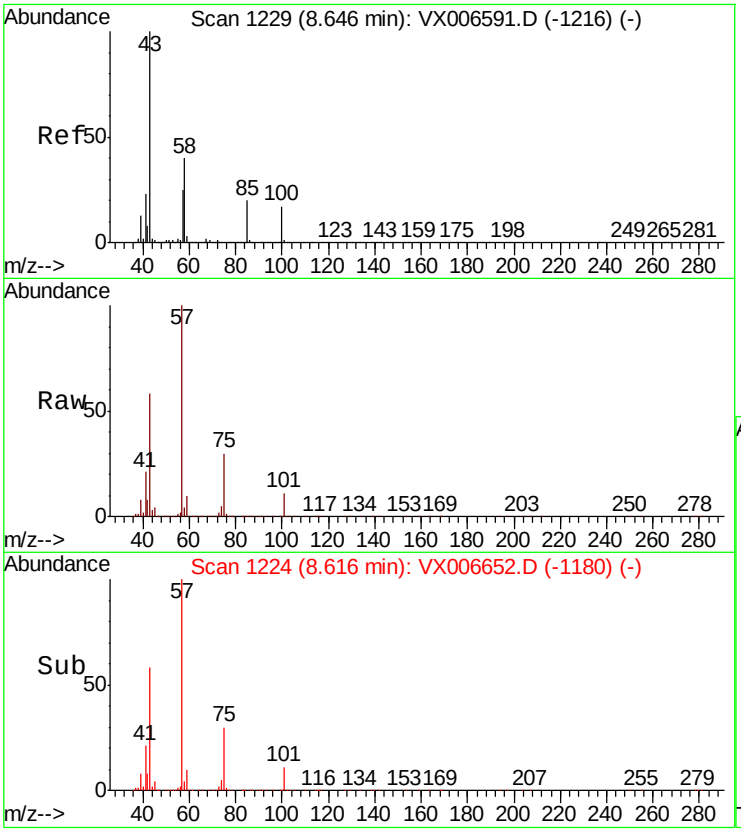


#50
Toluene-d8
Concen: 50.999 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 98 Resp: 1197399

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0



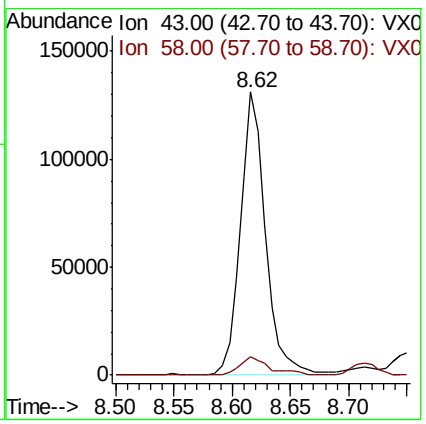


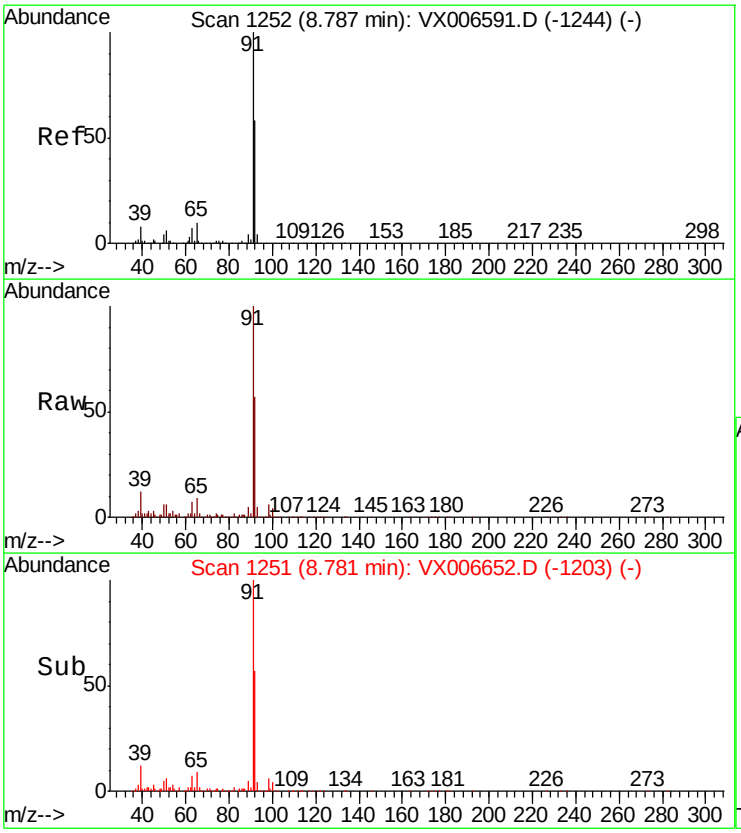
#51
4-Methyl-2-Pentanone
Concen: 23.843 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion: 43 Resp: 195955

Ion	Ratio	Lower	Upper
43	100		
58	8.1	31.8	47.6#

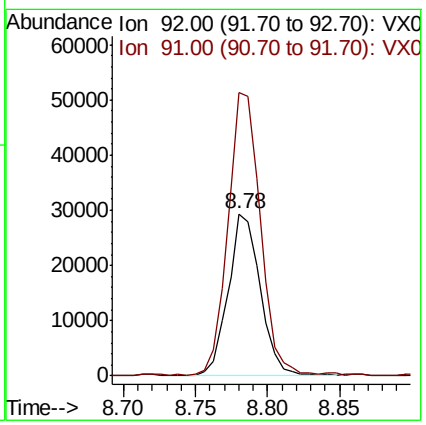


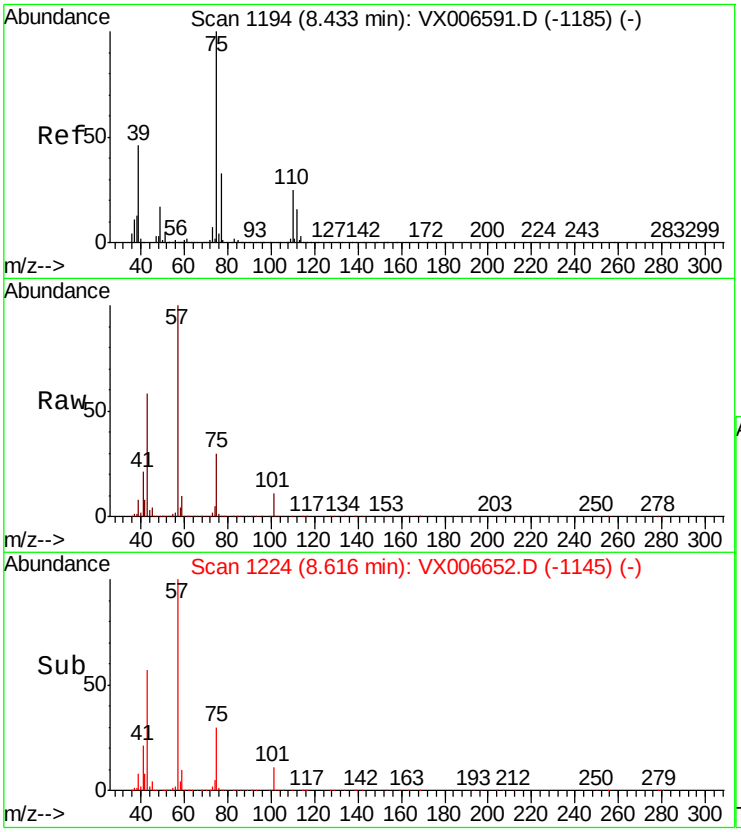


#52
Toluene
Concen: 2.864 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 92 Resp: 45877

Ion	Ratio	Lower	Upper
92	100		
91	178.3	137.6	206.4



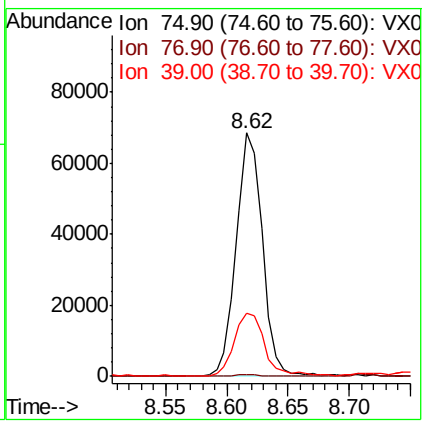


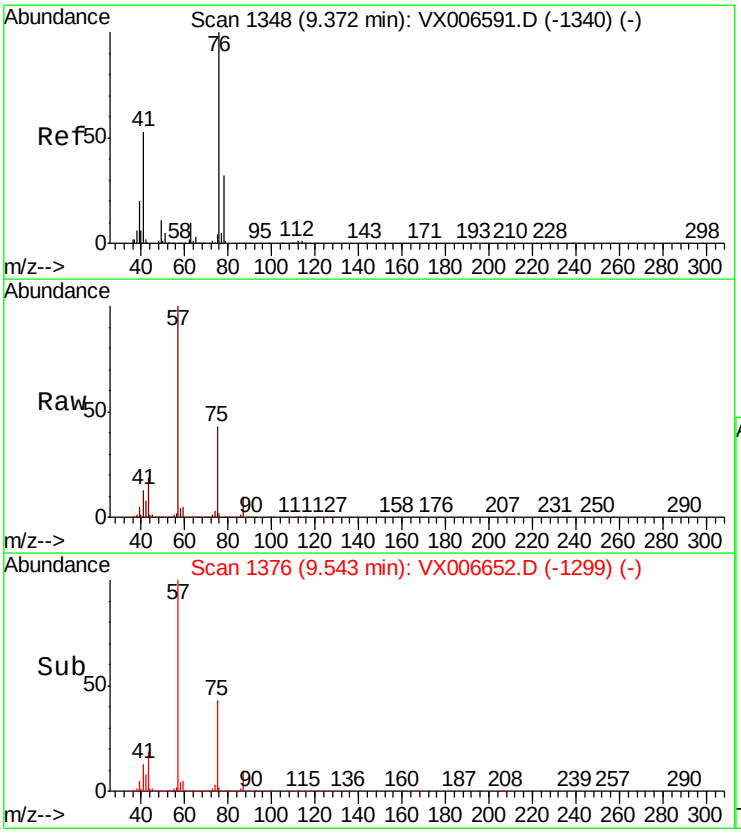
#54
cis-1,3-Dichloropropene
Concen: 11.741 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. 0.18 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion: 75 Resp: 101800

Ion	Ratio	Lower	Upper
75	100		
77	0.7	26.2	39.2#
39	25.9	36.7	55.1#

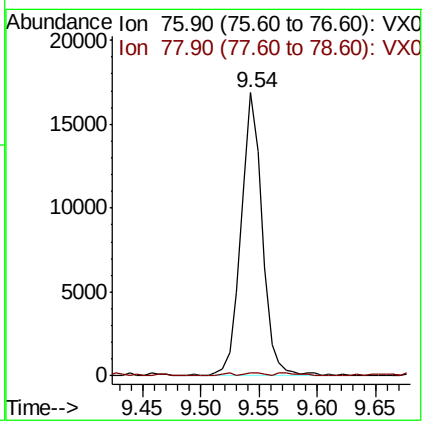


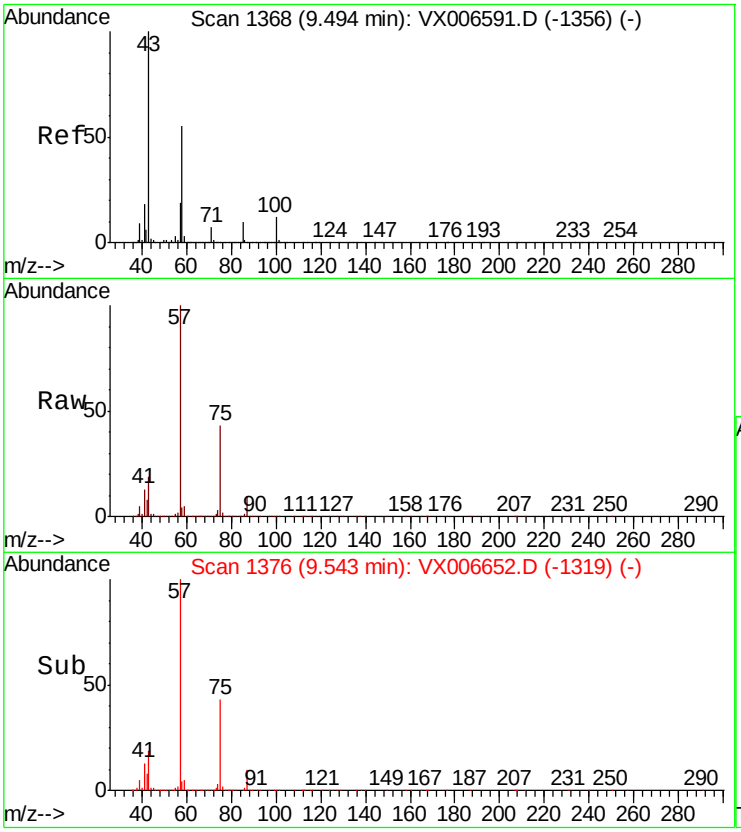


#57
1,3-Dichloropropane
Concen: 2.058 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.17 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion: 76 Resp: 21713

Ion	Ratio	Lower	Upper
76	100		
78	0.9	26.0	39.0#



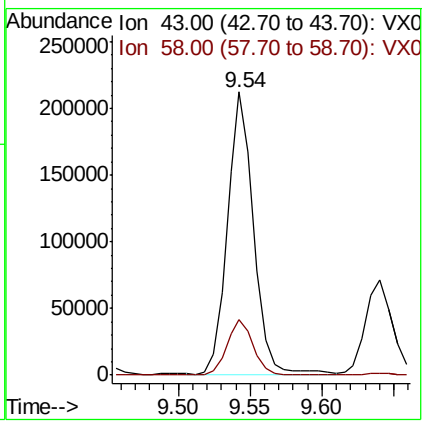


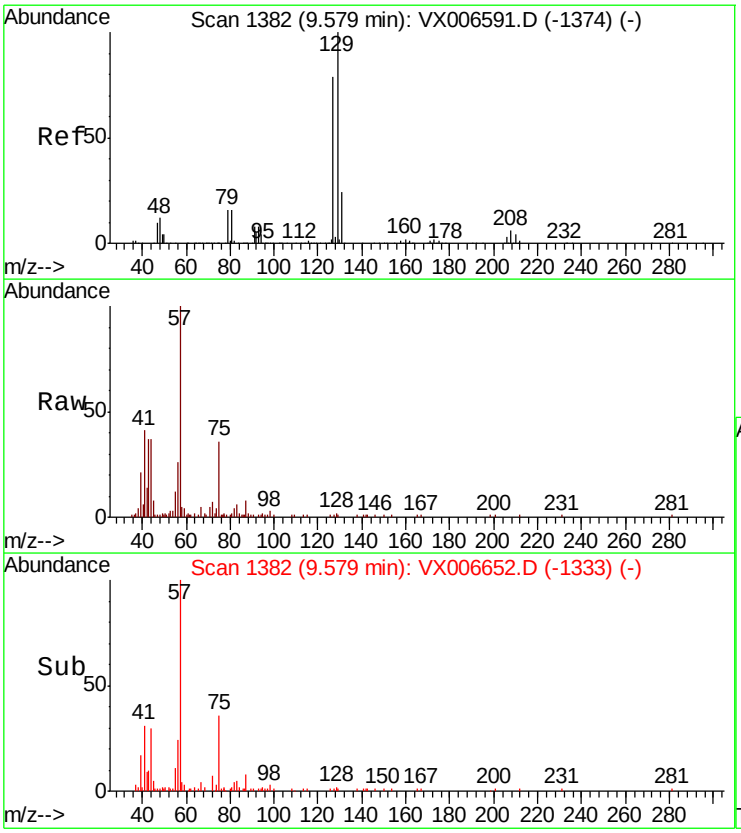
#59
2-Hexanone
Concen: 42.919 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument : MSVOA_X
ClientSampleId : EO-01-121818-C

Tgt Ion: 43 Resp: 269888

Ion	Ratio	Lower	Upper
43	100		
58	19.1	27.7	83.1#

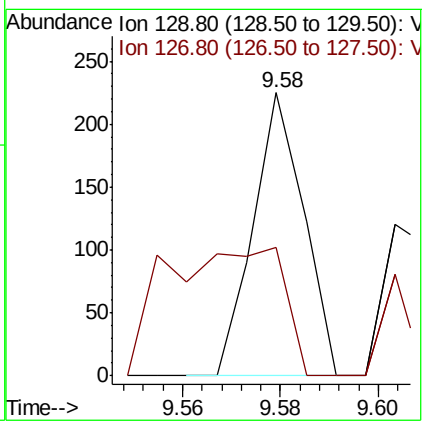


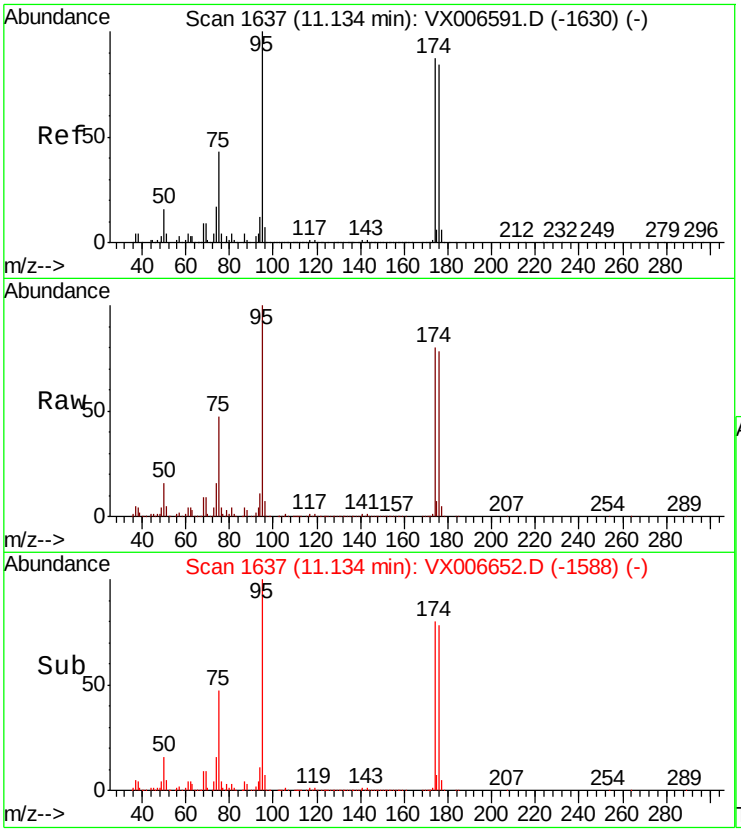


#60
Dibromochloromethane
Concen: 2.346 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion:129 Resp: 160

Ion	Ratio	Lower	Upper
129	100		
127	106.3	39.3	117.8



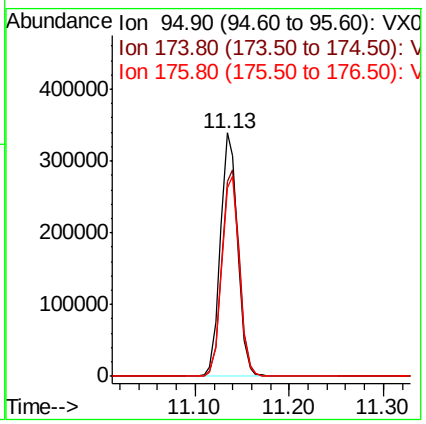


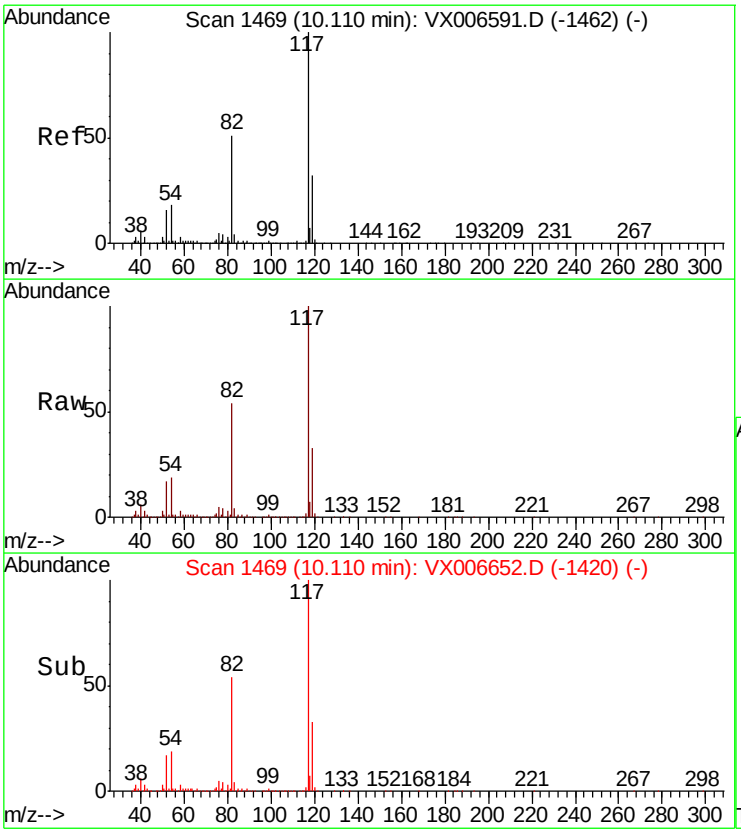
#62
4-Bromofluorobenzene
Concen: 49.959 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion: 95 Resp: 429592

Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	182.2
176	83.5	0.0	178.8

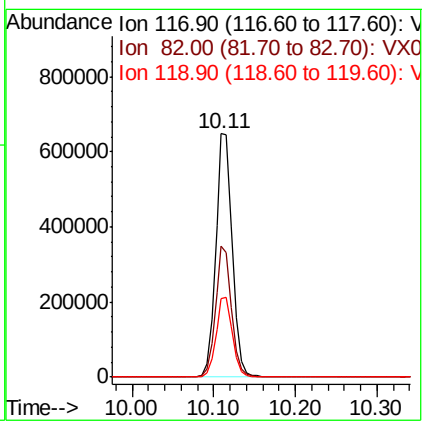


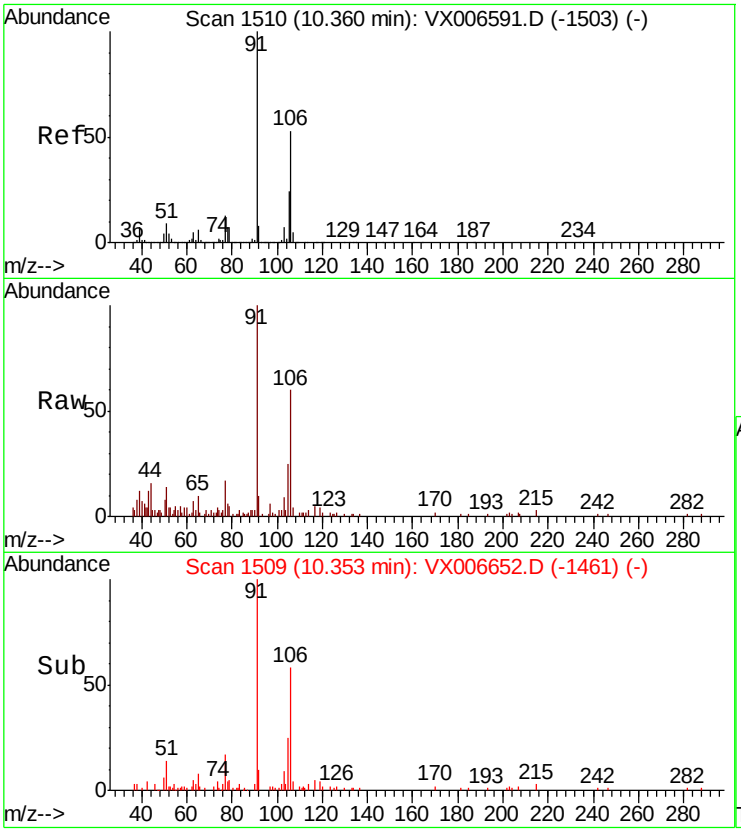


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion:117 Resp: 925622

Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.0	61.6
119	32.5	25.4	38.0



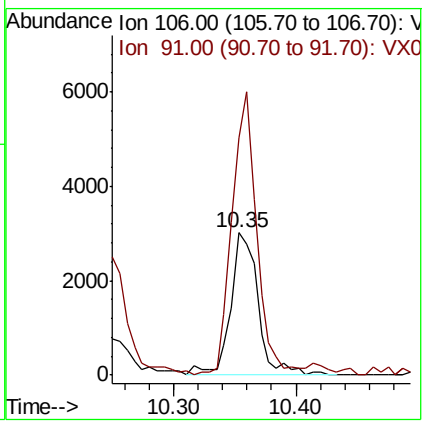


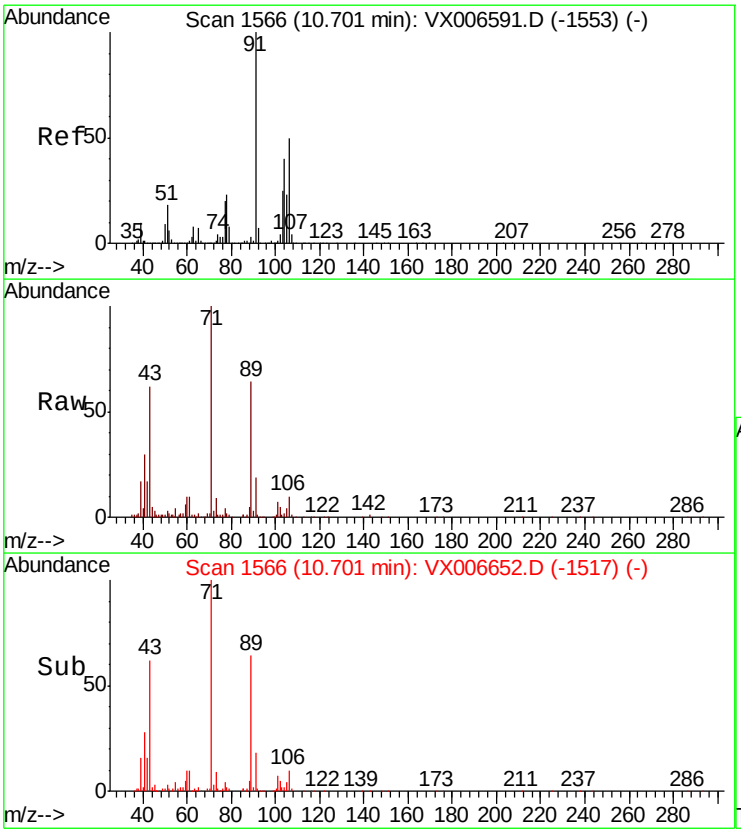
#68
m/p-Xylenes
Concen: 0.366 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion:106 Resp: 4623

Ion	Ratio	Lower	Upper
106	100		
91	180.4	155.8	233.6

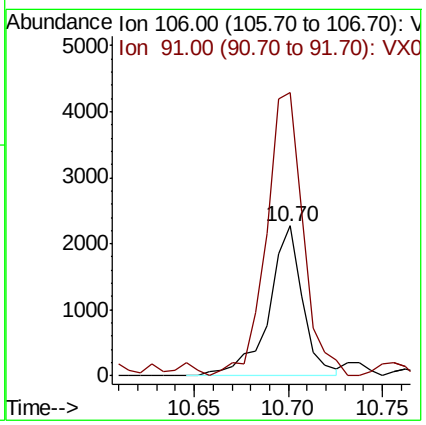


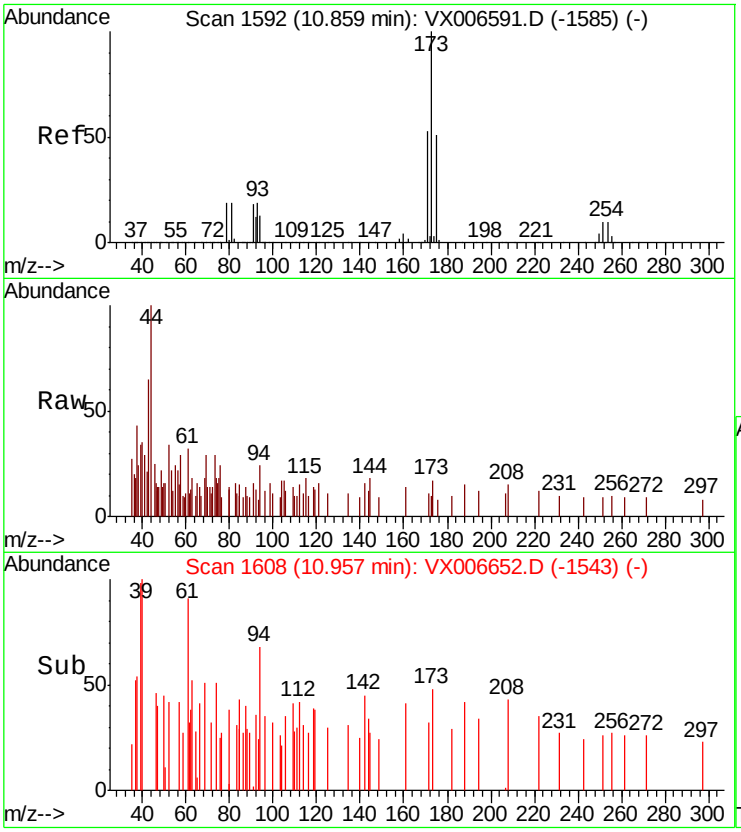


#69
o-Xylene
Concen: 0.226 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion:106 Resp: 2822

Ion	Ratio	Lower	Upper
106	100		
91	205.7	101.3	303.7



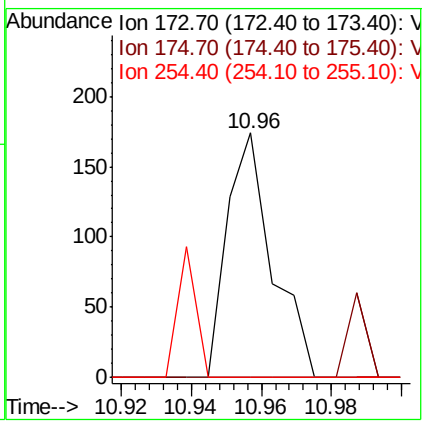


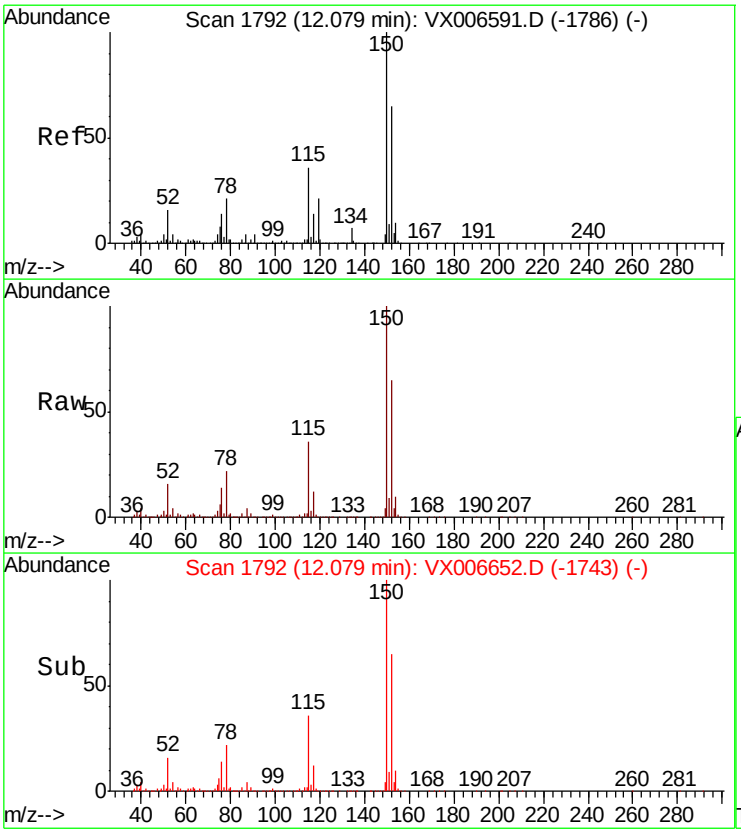
#71
Bromoform
Concen: 4.486 ug/l
RT: 10.96 min Scan# 1608
Delta R.T. 0.10 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion:173 Resp: 156

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.7	74.1#
254	21.8	0.2	0.2#

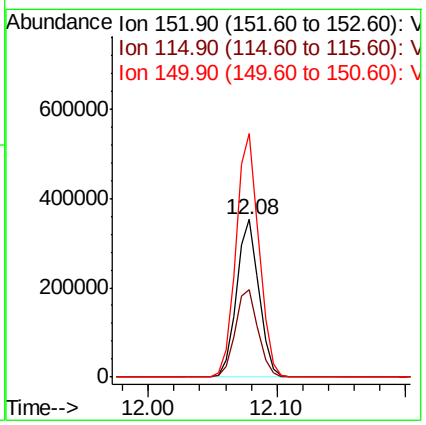


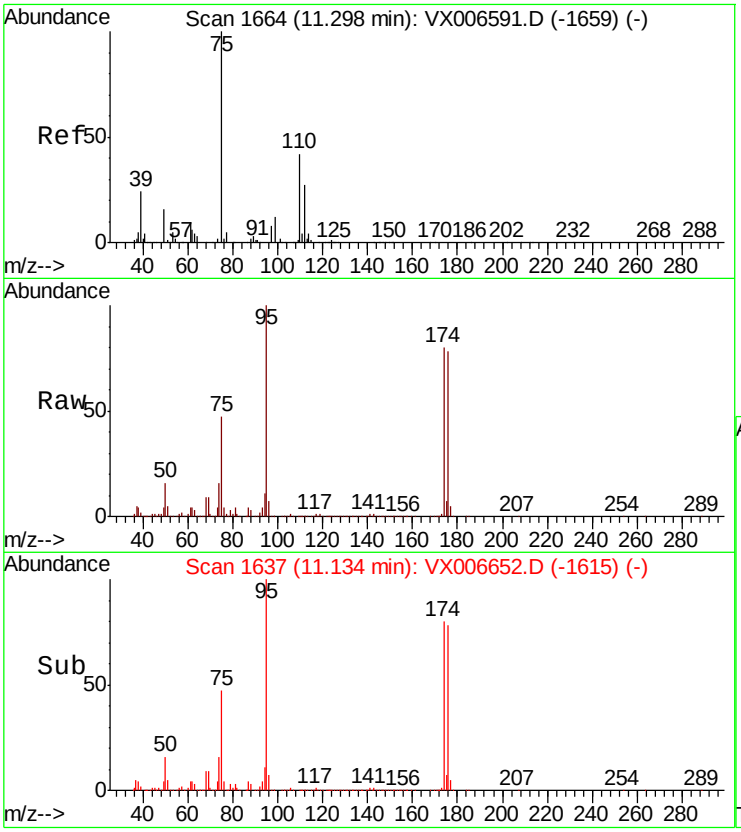


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion:152 Resp: 425483

Ion	Ratio	Lower	Upper
152	100		
115	57.1	39.1	117.2
150	157.8	0.0	344.8



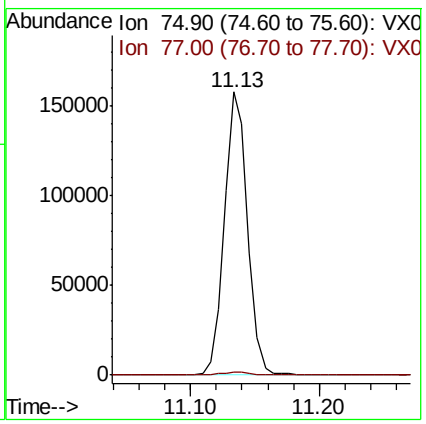


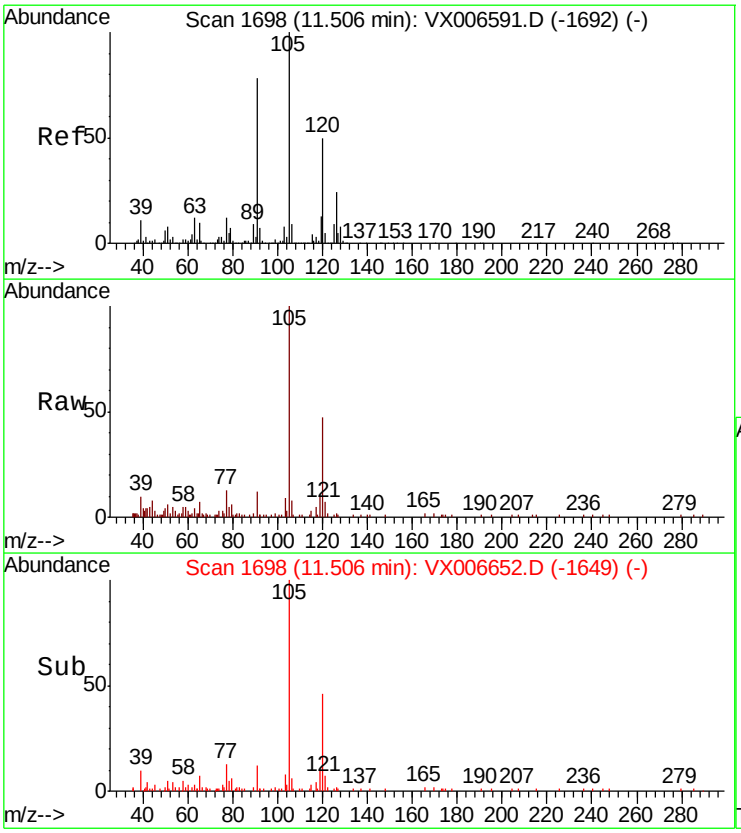
#76
1,2,3-Trichloropropane
Concen: 25.157 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion: 75 Resp: 198921

Ion	Ratio	Lower	Upper
75	100		
77	1.3	18.5	55.5#

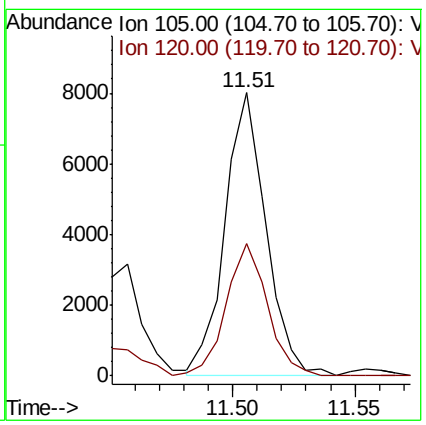


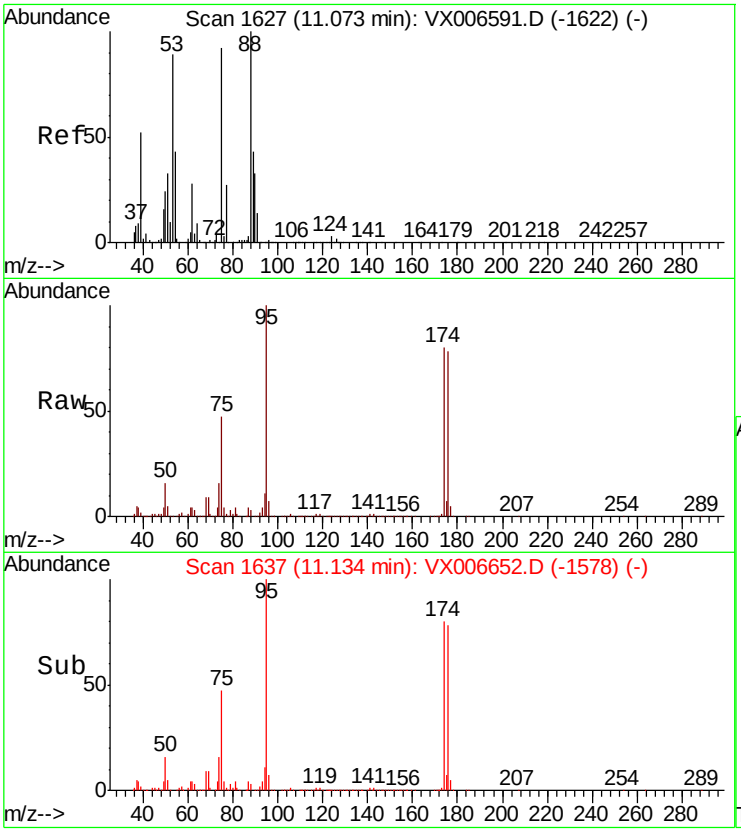


#80
1,3,5-Trimethylbenzene
Concen: 0.391 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion:105 Resp: 9363

Ion	Ratio	Lower	Upper
105	100		
120	47.1	25.1	75.3



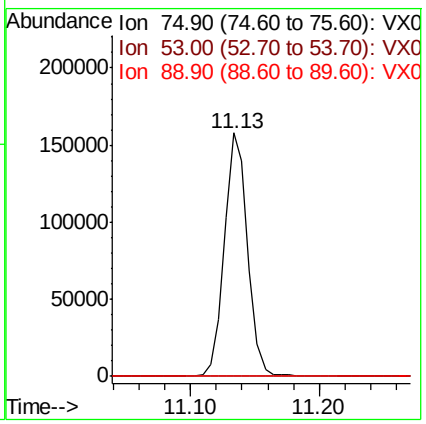


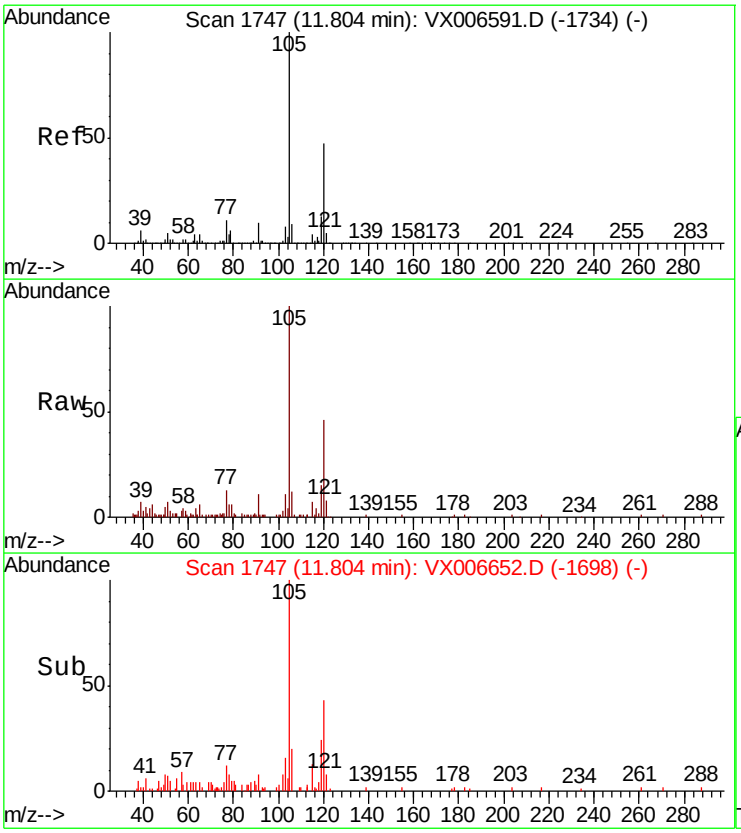
#81
trans-1,4-Dichloro-2-butene
Concen: 74.311 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion: 75 Resp: 198921

Ion	Ratio	Lower	Upper
75	100		
53	0.2	79.7	119.5#
89	0.0	38.0	57.0#

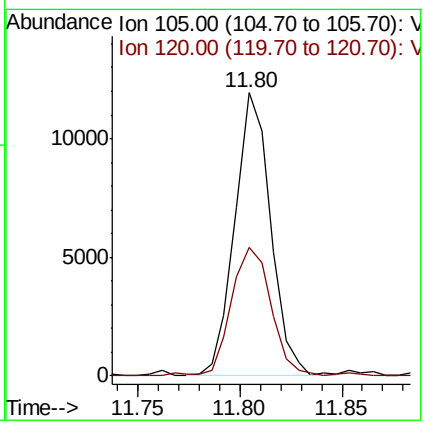


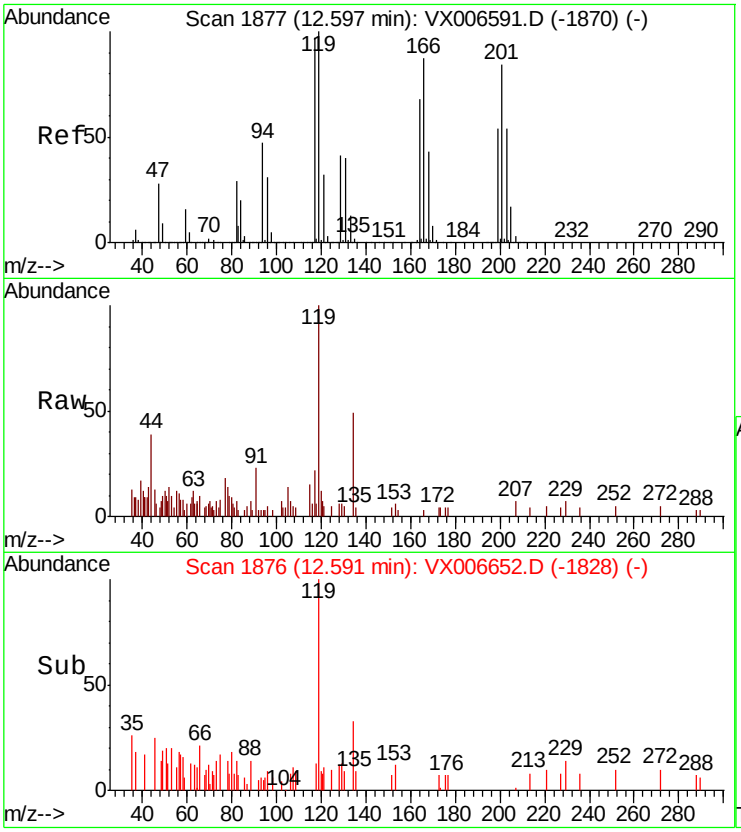


#84
1,2,4-Trimethylbenzene
Concen: 0.578 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion:105 Resp: 14586

Ion	Ratio	Lower	Upper
105	100		
120	50.5	23.2	69.6



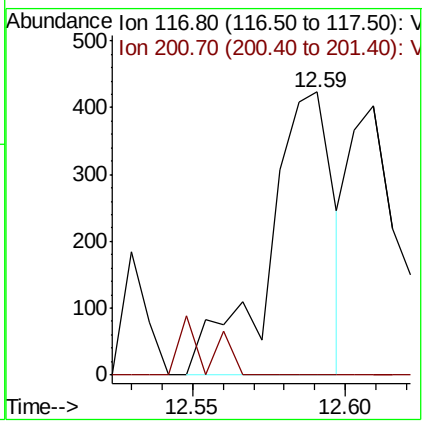


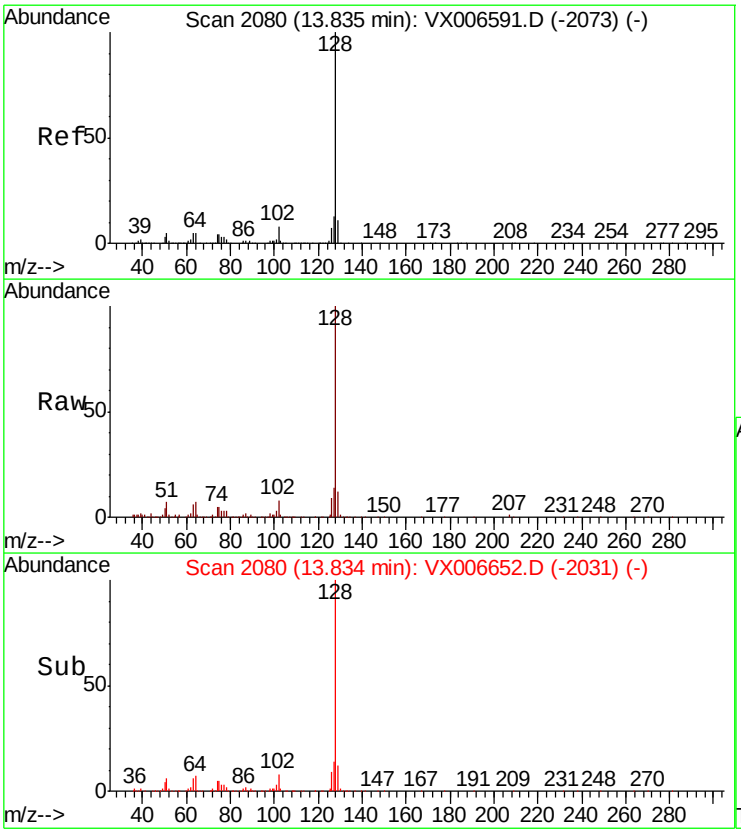
#90
Hexachloroethane
Concen: 3.437 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Instrument :
MSVOA_X
ClientSampleId :
EO-01-121818-C

Tgt Ion:117 Resp: 623

Ion	Ratio	Lower	Upper
117	100		
201	0.0	42.9	128.7#





#95
Naphthalene
Concen: 1.801 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006652.D
Acq: 19 Dec 2018 22:04

Tgt Ion:128 Resp: 56242

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	11.4	8.6	13.0