Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062818\
Data File : VF059373.D
Acq On : 28 Jun 2018 21:06
Operator : VA/AP
Sample : J3747-02
Misc : 9.70g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : RICH-REC-ROAD-STONE-4

Quant Time: Jun 29 03:12:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	241481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	369053	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	348058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	191850	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	128279	41.12	ug/l	0.00
Spiked Amount 50.000			Recovery = 82.24%			
35) Dibromofluoromethane	4.29	113	102532	38.02	ug/l	0.00
Spiked Amount 50.000			Recovery = 76.04%			
50) Toluene-d8	7.71	98	272881	40.87	ug/l	0.00
Spiked Amount 50.000			Recovery = 81.74%			
62) 4-Bromofluorobenzene	11.51	95	150399	39.93	ug/l	0.00
Spiked Amount 50.000			Recovery = 79.86%			
Target Compounds						Qvalue
5) Bromomethane	1.22	94	225	Below Cal		99
11) Tert butyl alcohol	2.66	59	522	2.513	ug/l #	64
13) Acrolein	2.09	56	309	Below Cal		90
16) Acetone	2.33	43	35071	36.291	ug/l	97
18) Methyl Acetate	2.44	43	1350	Below Cal	#	84
20) Methylene Chloride	2.27	84	7132	Below Cal	#	89
25) 2-Butanone	4.51	43	1749	Below Cal	#	59
28) Bromochloromethane	3.86	49	66	Below Cal	#	6
29) Tetrahydrofuran	4.24	42	683	Below Cal	#	43
30) Chloroform	4.04	83	5541	1.043	ug/l	95
37) Ethyl Acetate	4.27	43	454	Below Cal	#	26
39) Methylcyclohexane	5.76	83	4203	1.471	ug/l #	52
49) 1,4-Dioxane	6.90	88	84	Below Cal	#	20
59) 2-Hexanone	9.64	43	785	Below Cal	#	30
87) 1,3-Dichlorobenzene	12.57	146	270	Below Cal	#	62

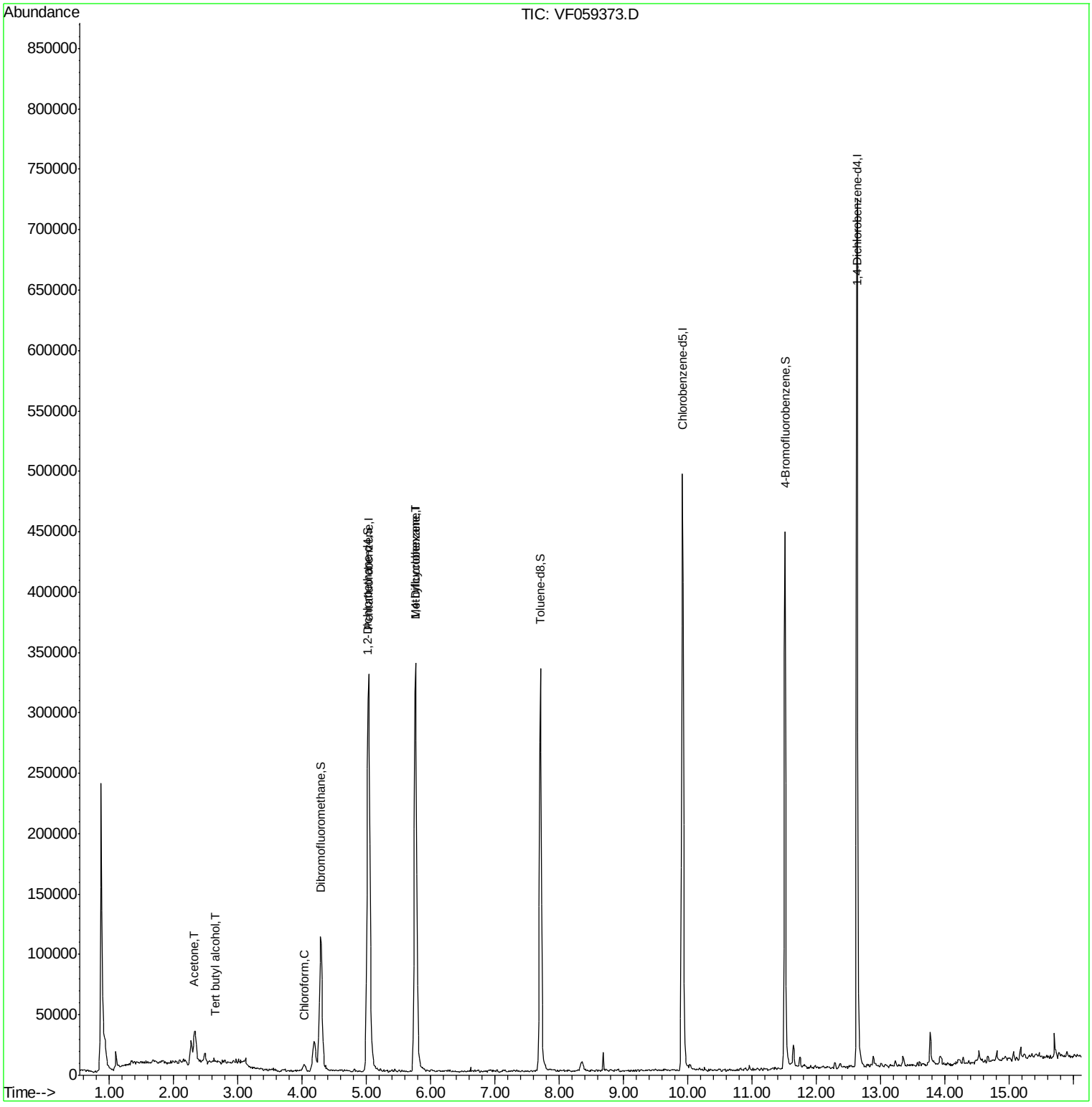
(#) = qualifier out of range (m) = manual integration (+) = signals summed

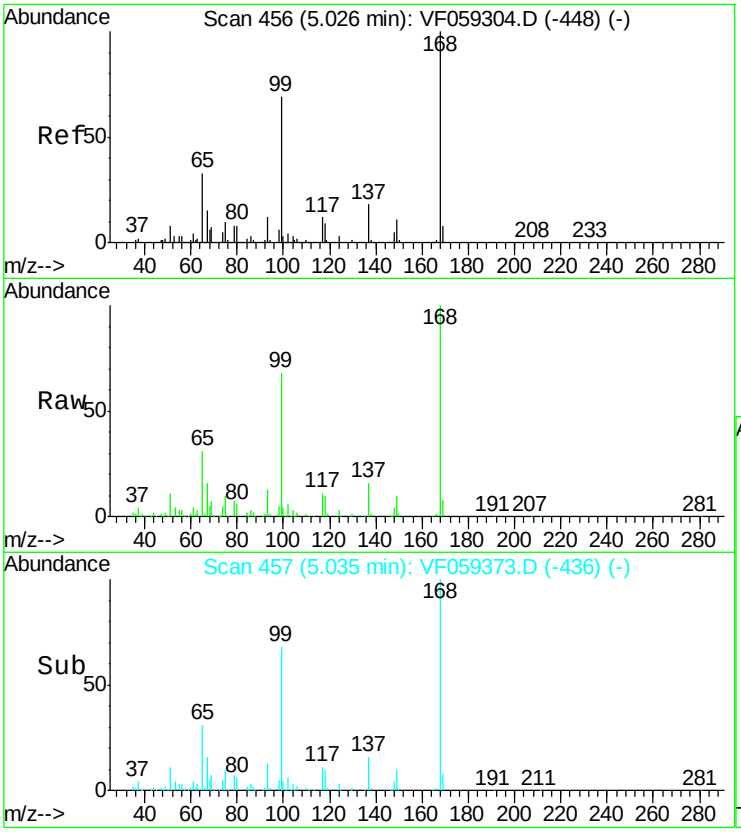
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
Data File : VF059373.D
Acq On : 28 Jun 2018 21:06
Operator : VA/AP
Sample : J3747-02
Misc : 9.70g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Quant Time: Jun 29 03:12:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration



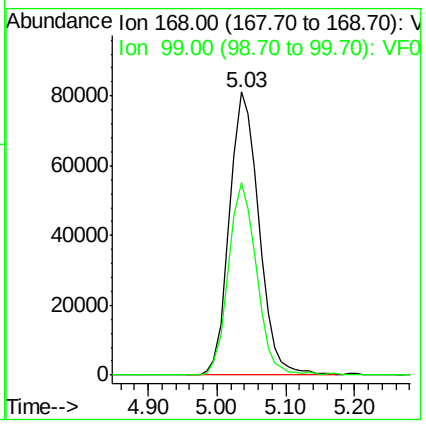


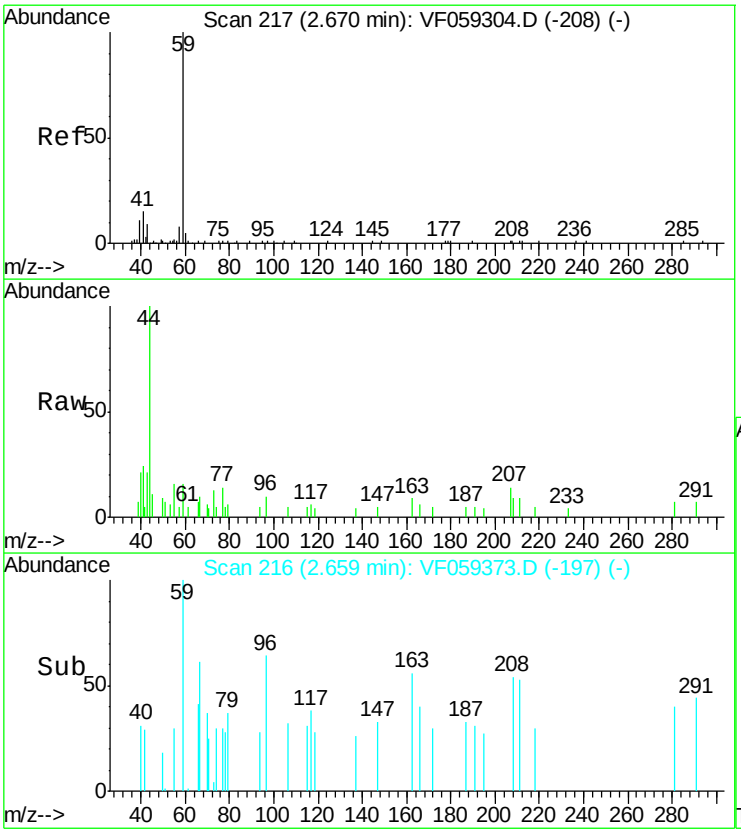
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 457
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tgt Ion:168 Resp: 241481

Ion	Ratio	Lower	Upper
168	100		
99	67.9	54.9	82.3

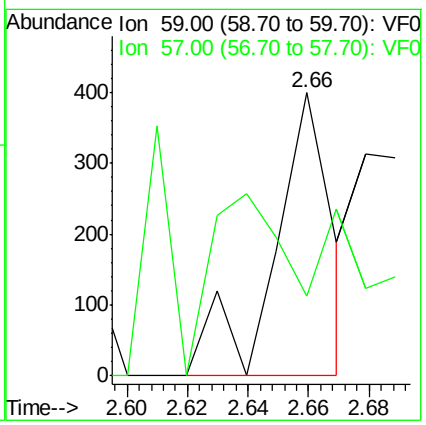


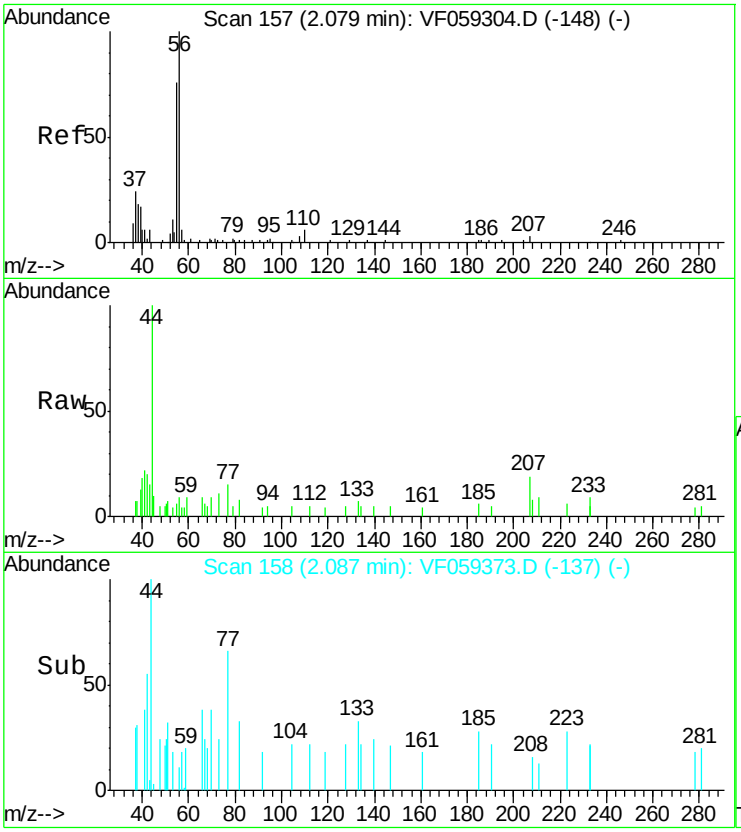


#11
Tert butyl alcohol
Concen: 2.513 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Tgt Ion: 59 Resp: 522

Ion	Ratio	Lower	Upper
59	100		
57	28.1	11.0	16.4#



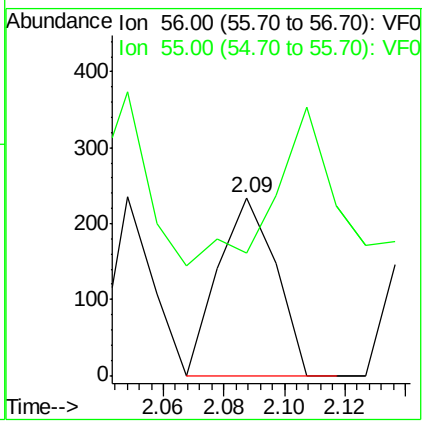


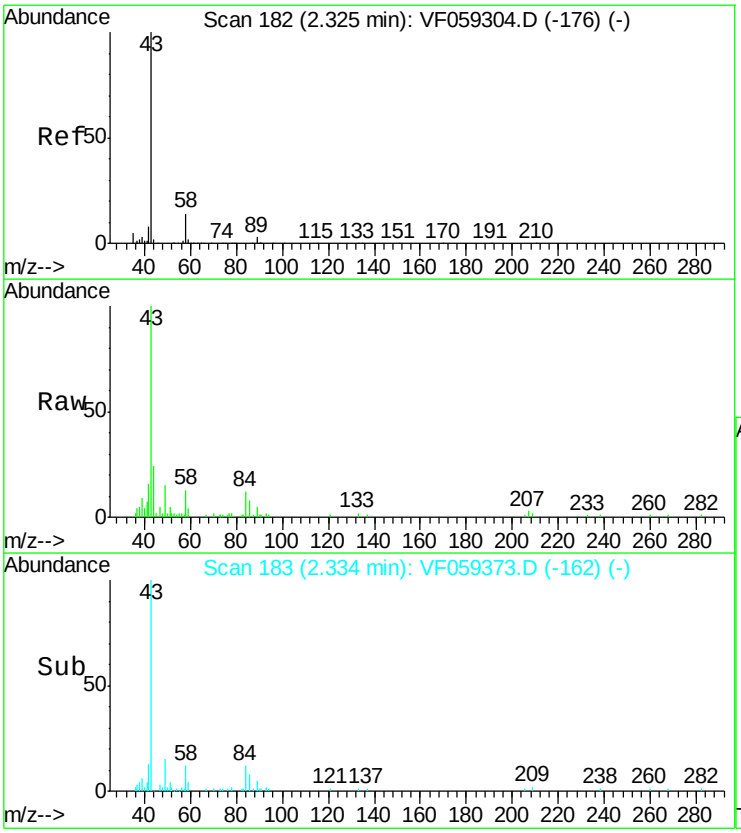
#13
Acrolein
Concen: Below Cal
RT: 2.09 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tgt Ion: 56 Resp: 309

Ion	Ratio	Lower	Upper
56	100		
55	69.2	62.4	93.6

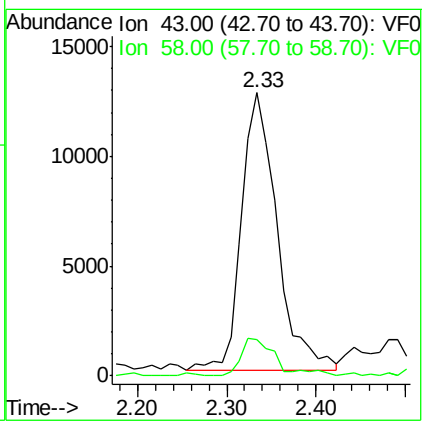


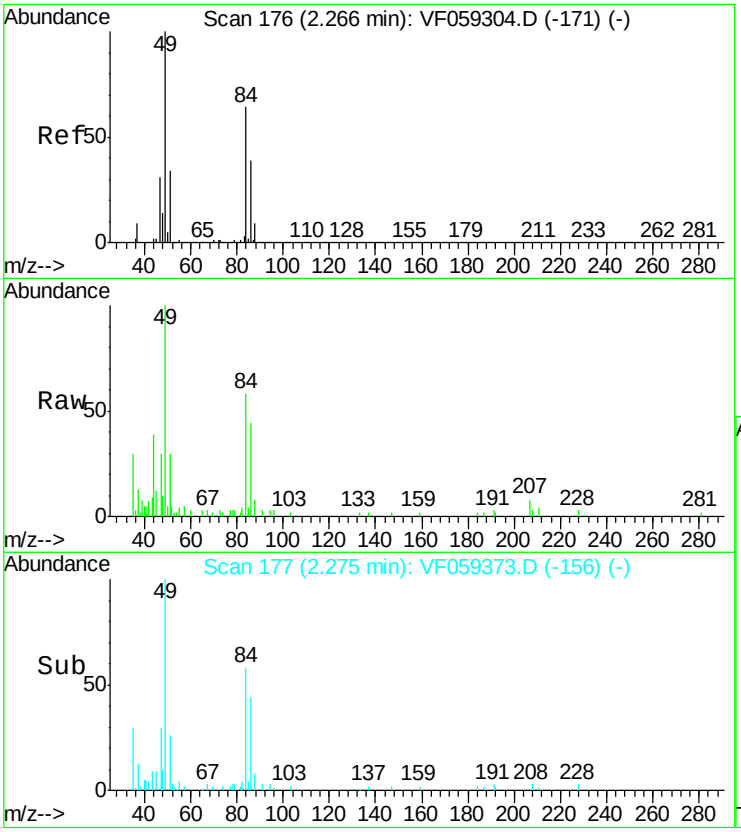


#16
Acetone
Concen: 36.291 ug/l
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Tgt Ion: 43 Resp: 35071

Ion	Ratio	Lower	Upper
43	100		
58	12.8	11.4	17.0



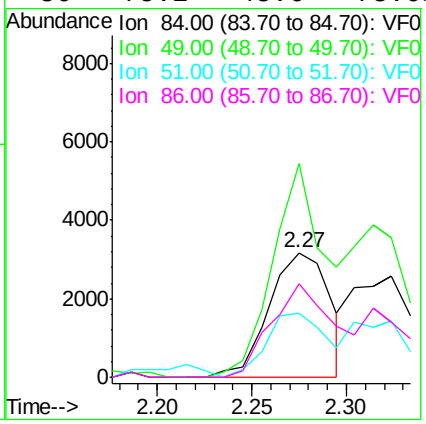


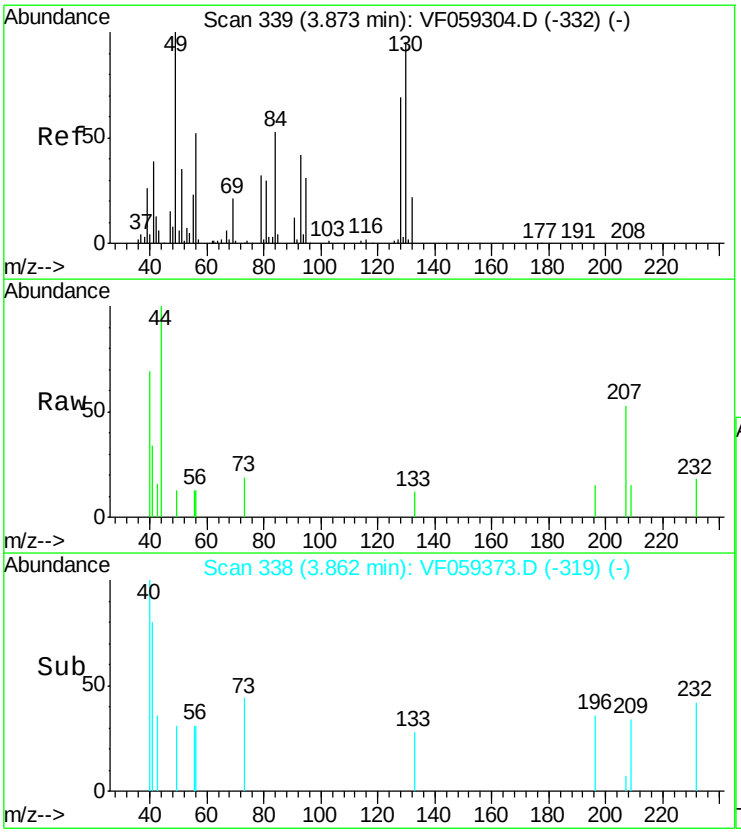
#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Instrument : MSVOA_F
ClientSampleId : RICH-REC-ROAD-STONE-4

Tgt Ion: 84 Resp: 7132

Ion	Ratio	Lower	Upper
84	100		
49	171.6	126.5	189.7
51	51.0	42.9	64.3
86	75.2	48.6	73.0#

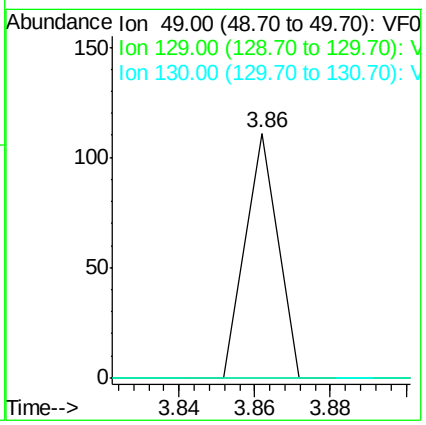


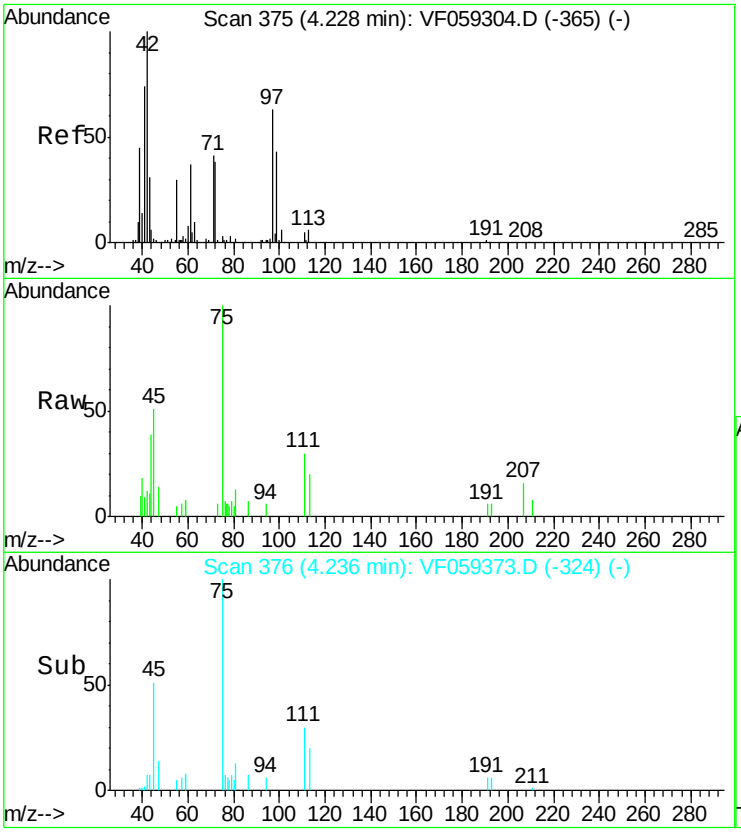


#28
Bromochloromethane
Concen: Below Cal
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Tgt Ion: 49 Resp: 66

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	0.0	75.1	112.7#



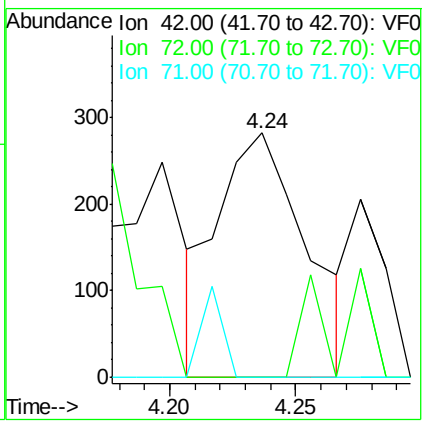


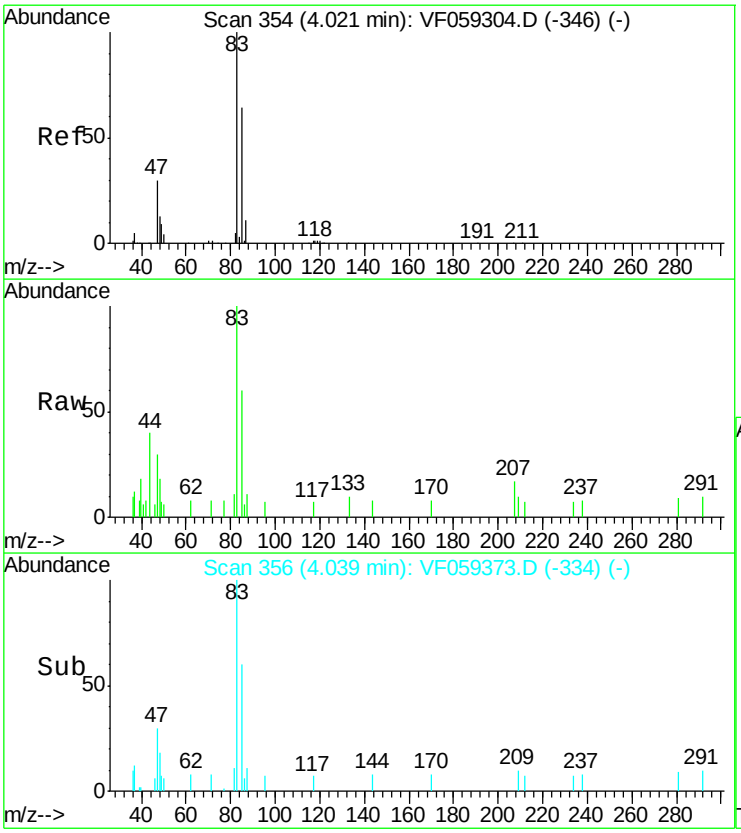
#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tgt Ion: 42 Resp: 683

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.5	45.7#
71	9.1	32.5	48.7#

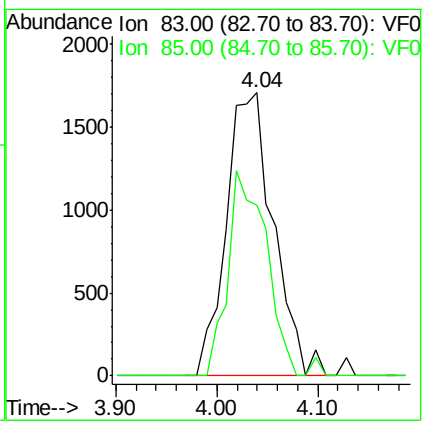


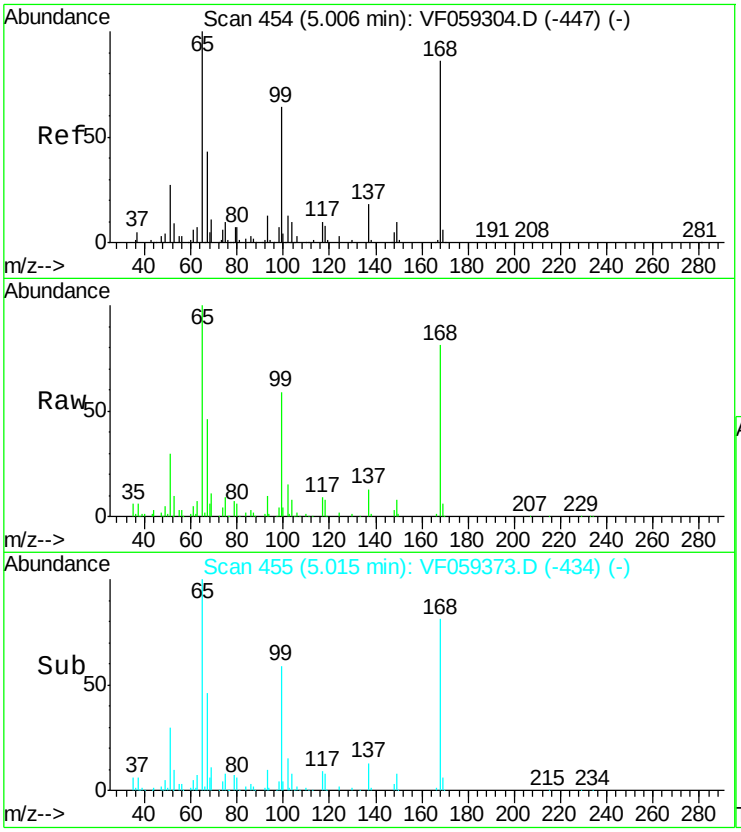


#30
Chloroform
Concen: 1.043 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.02 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Tgt Ion: 83 Resp: 5541

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.3	76.9



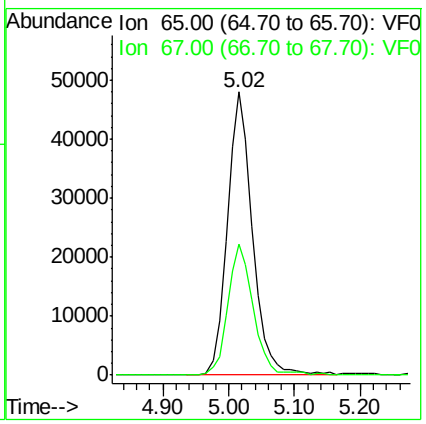


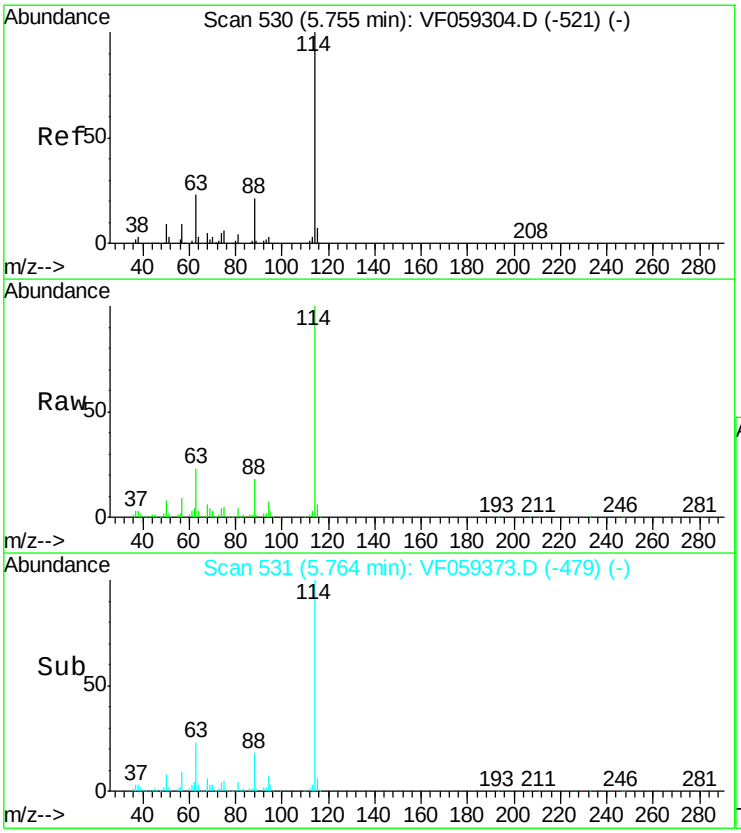
#33
1,2-Dichloroethane-d4
Concen: 41.116 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tgt Ion: 65 Resp: 128279

Ion	Ratio	Lower	Upper
65	100		
67	46.5	0.0	96.8

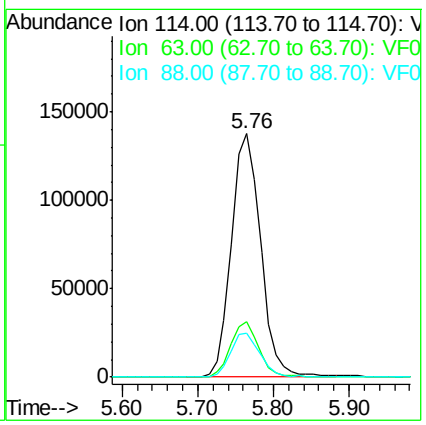


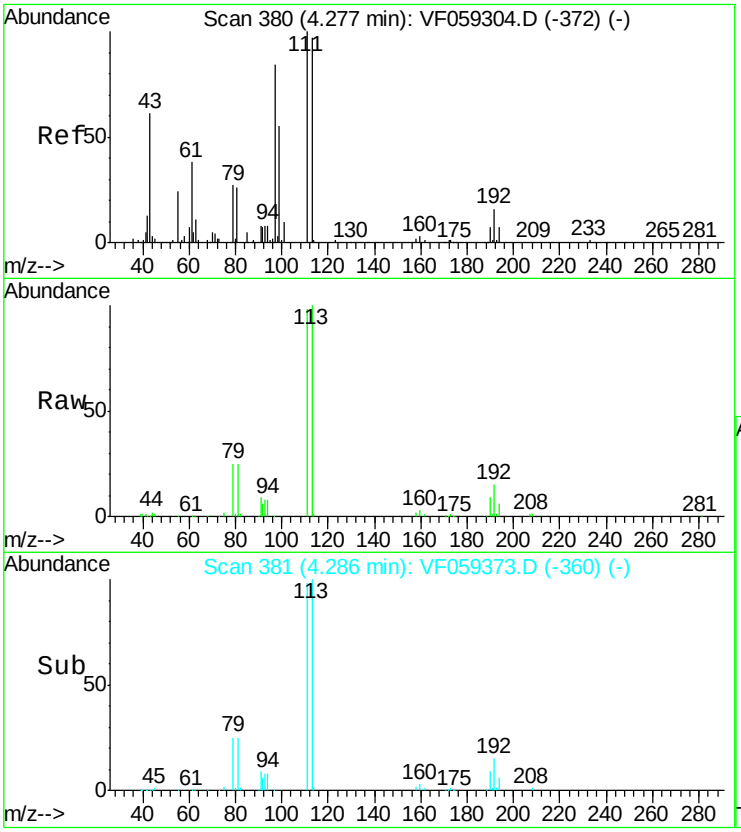


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Tgt Ion:114 Resp: 369053

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.8
88	18.2	0.0	41.2



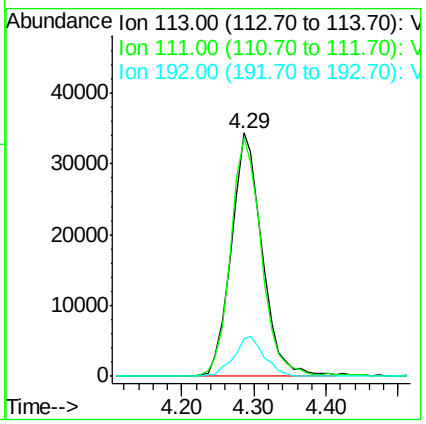


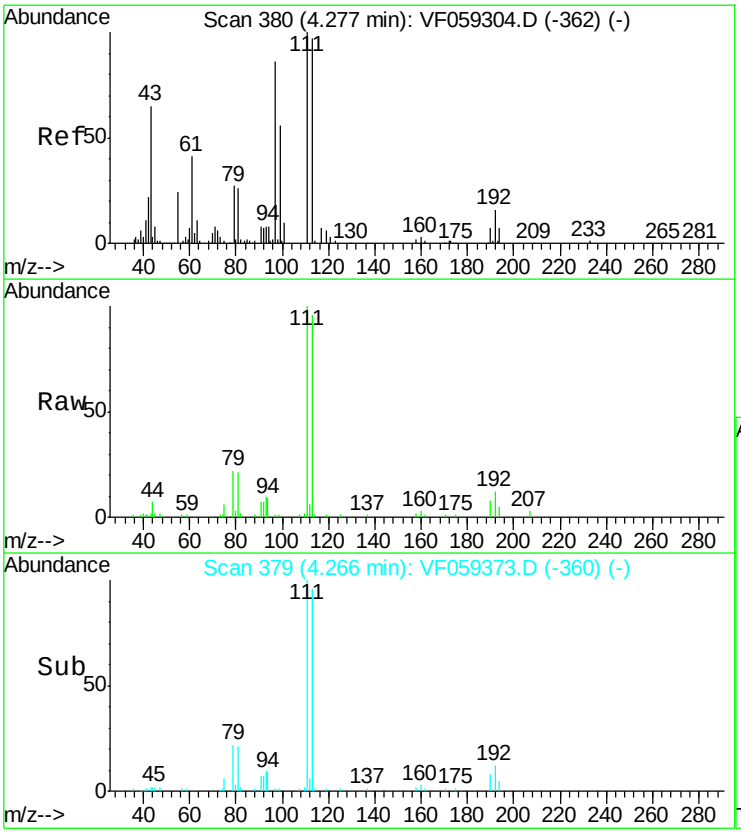
#35
Dibromofluoromethane
Concen: 38.023 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tgt Ion:113 Resp: 102532

Ion	Ratio	Lower	Upper
113	100		
111	98.1	82.1	123.1
192	15.6	13.0	19.6

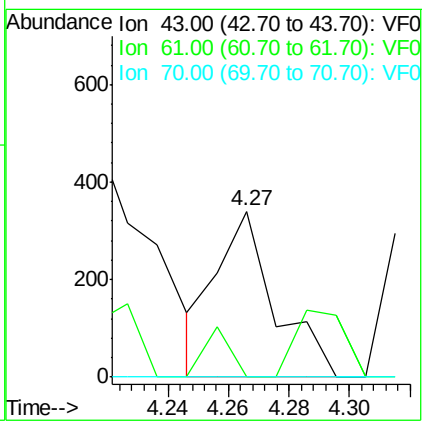


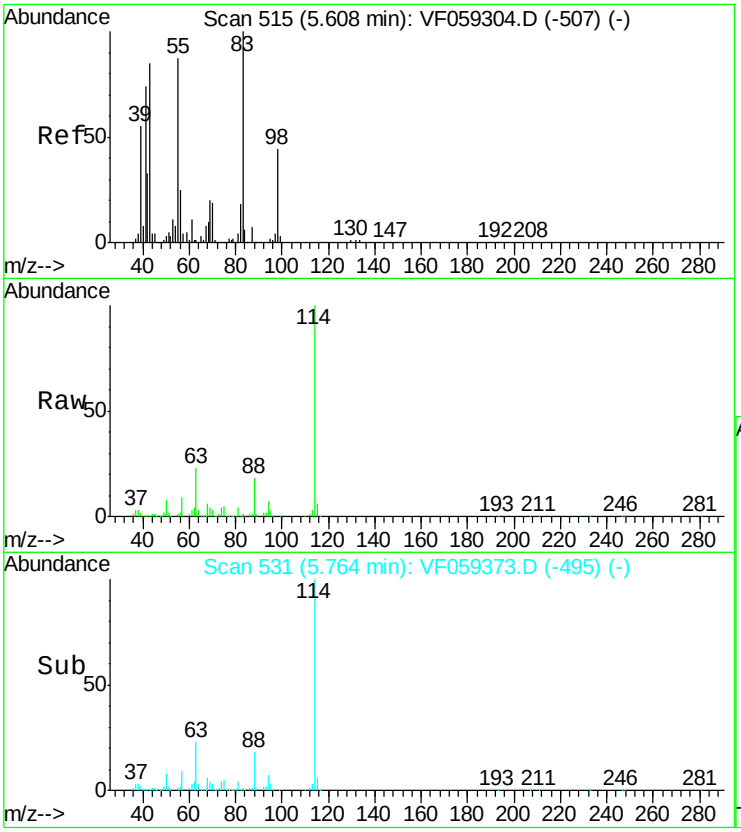


#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Tgt Ion: 43 Resp: 454

Ion	Ratio	Lower	Upper
43	100		
61	0.0	50.1	75.1#
70	0.0	6.2	9.4#



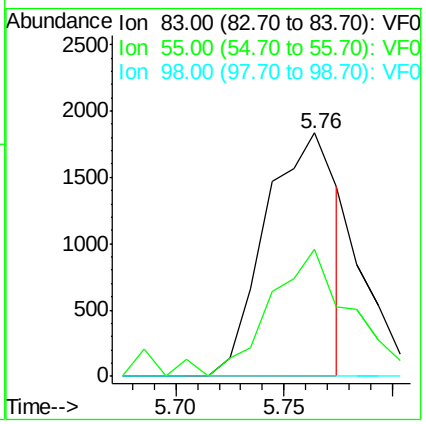


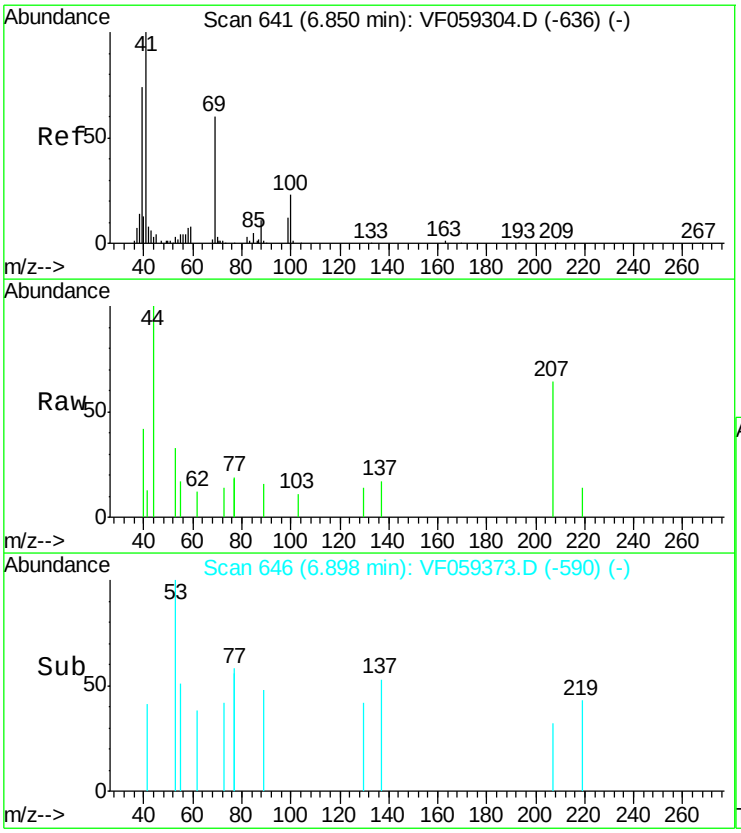
#39
Methylcyclohexane
Concen: 1.471 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.16 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tgt Ion: 83 Resp: 4203

Ion	Ratio	Lower	Upper
83	100		
55	52.1	69.2	103.8#
98	0.0	35.0	52.6#

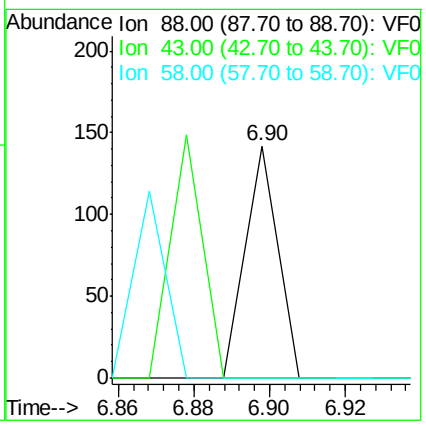


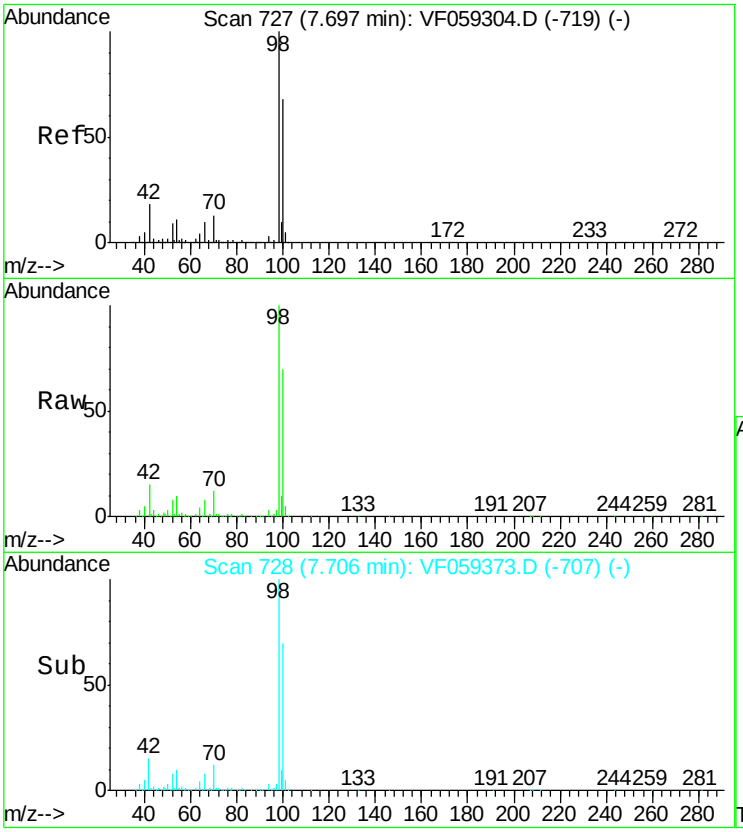


#49
1,4-Dioxane
Concen: Below Cal
RT: 6.90 min Scan# 646
Delta R.T. 0.05 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Tgt Ion: 88 Resp: 84

Ion	Ratio	Lower	Upper
88	100		
43	0.0	50.6	75.8#
58	0.0	46.6	69.8#



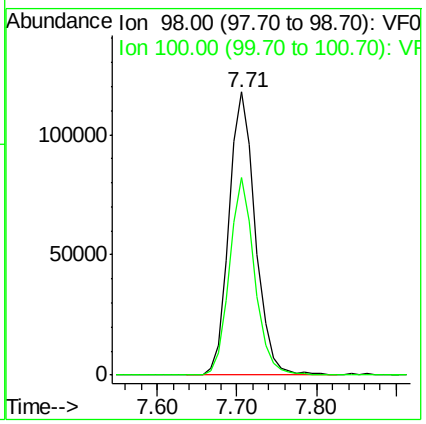


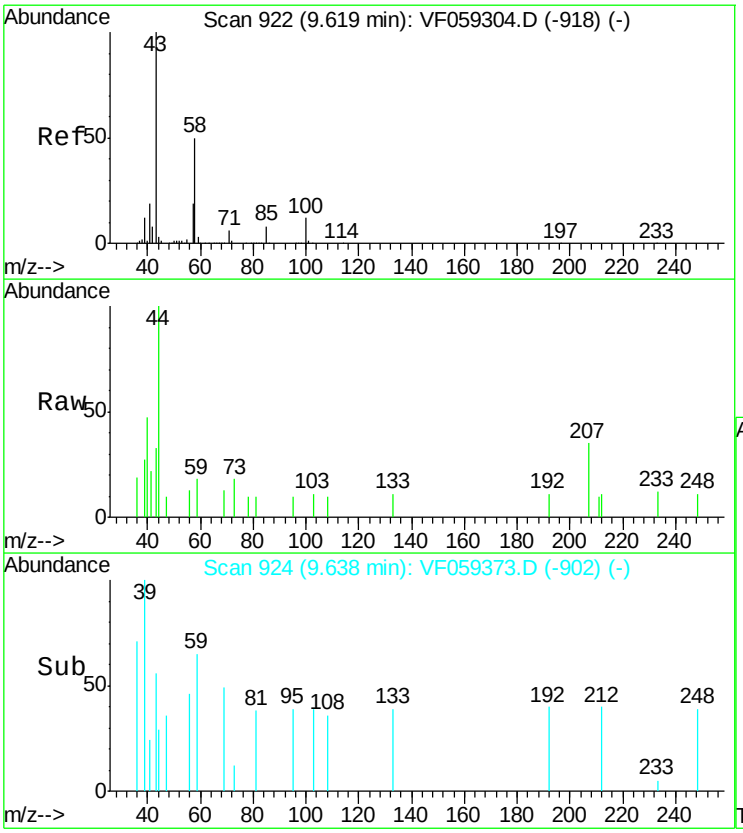
#50
Toluene-d8
Concen: 40.873 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tgt Ion: 98 Resp: 272881

Ion	Ratio	Lower	Upper
98	100		
100	70.0	54.6	82.0

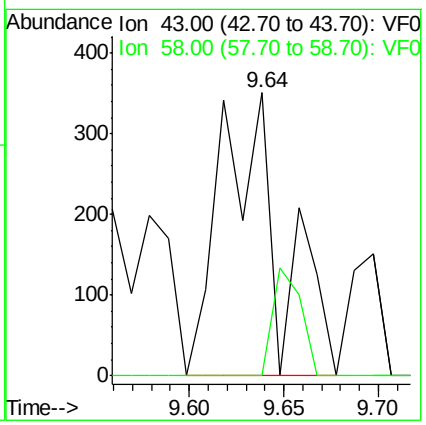


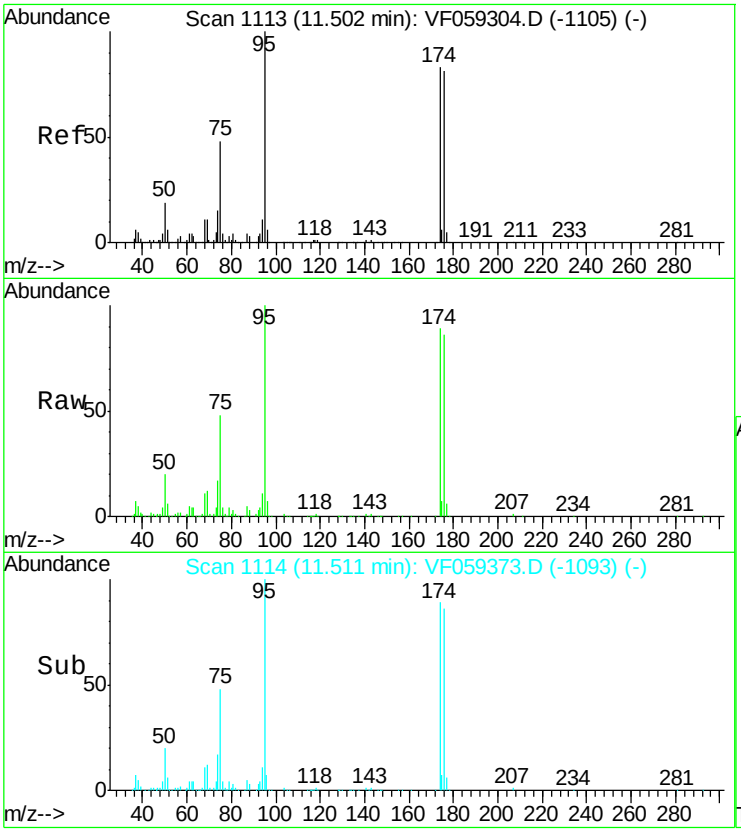


#59
2-Hexanone
Concen: Below Cal
RT: 9.64 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Tgt Ion: 43 Resp: 785

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.3	69.9#



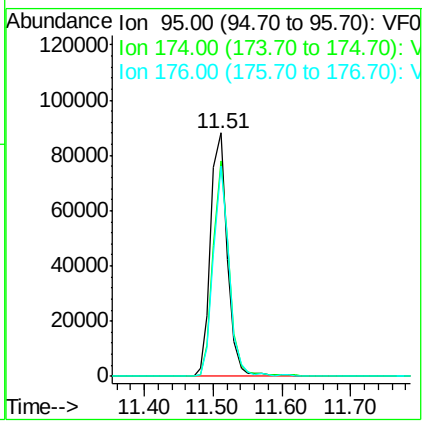


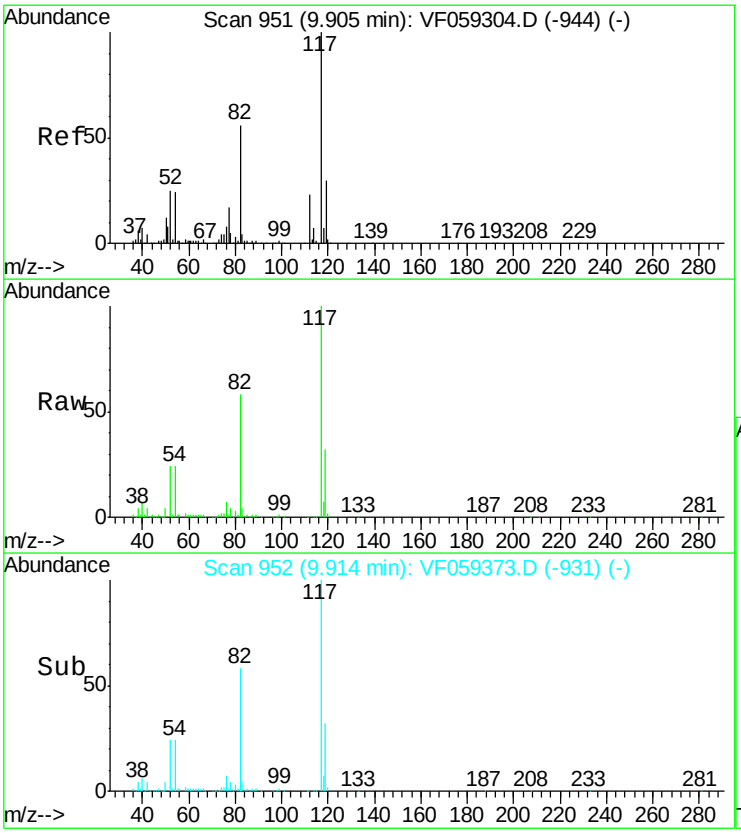
#62
4-Bromofluorobenzene
Concen: 39.935 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tgt Ion: 95 Resp: 150399

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	165.2
176	86.4	0.0	161.0

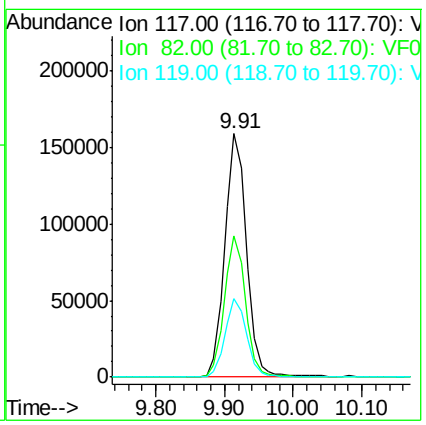


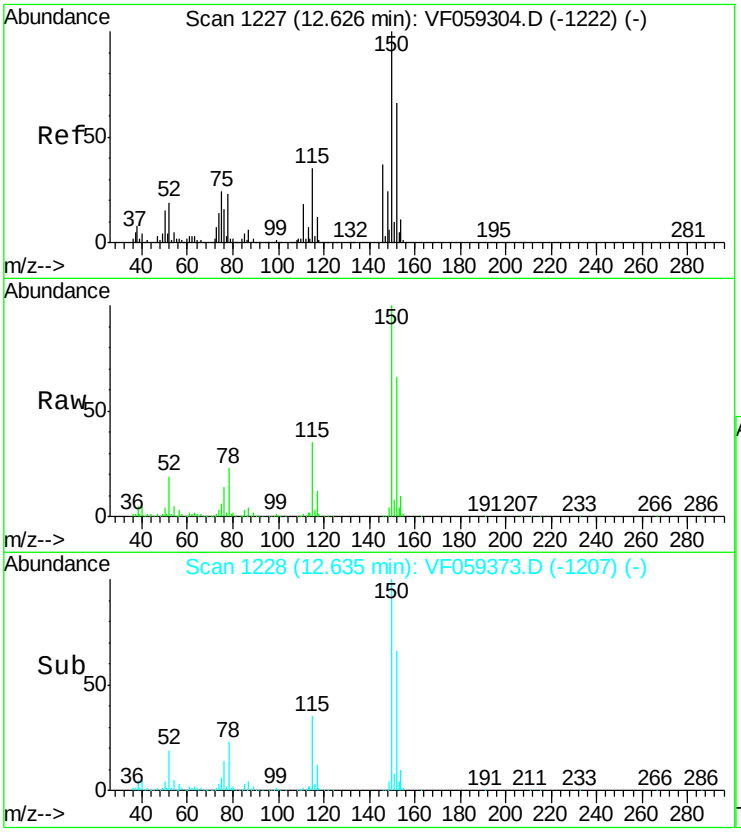


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Tgt Ion:117 Resp: 348058

Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.6	66.8
119	32.0	24.1	36.1



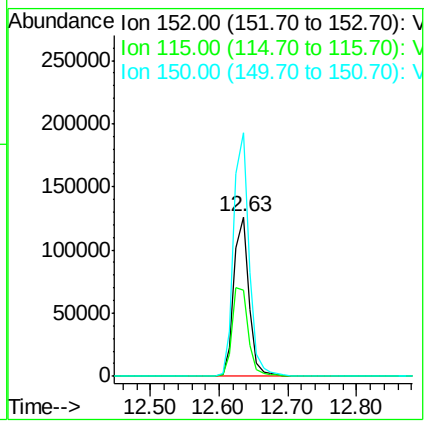


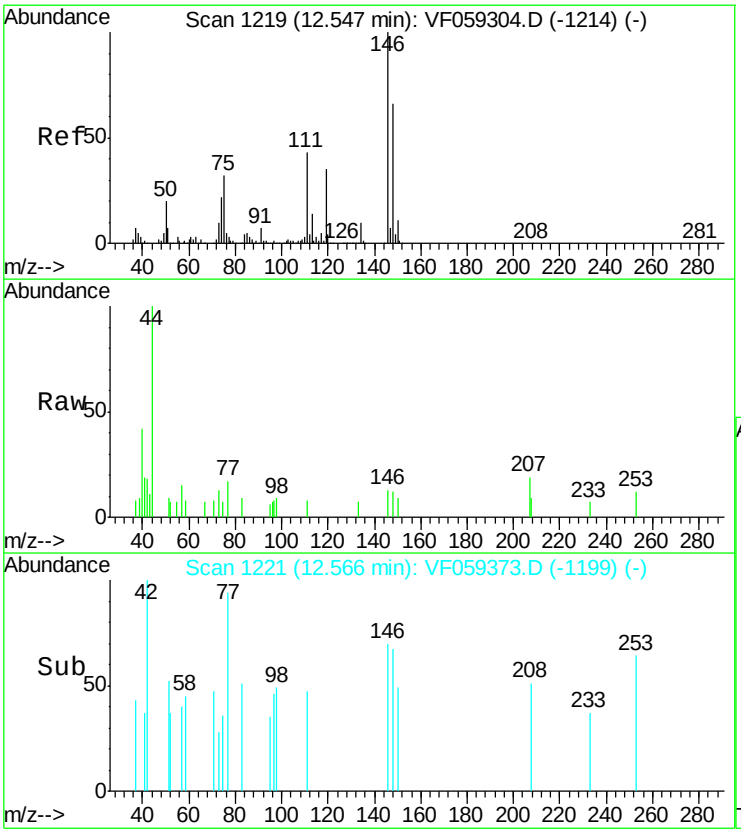
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tgt Ion:152 Resp: 191850

Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.1	81.3
150	152.6	0.0	305.2





#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.57 min Scan# 1221
Delta R.T. 0.02 min
Lab File: VF059373.D
Acq: 28 Jun 2018 21:06

Tgt Ion:146 Resp: 270

Ion	Ratio	Lower	Upper
146	100		
111	67.0	21.4	64.2#
148	96.0	32.8	98.4