Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060319\
Data File : VD062589.D
Acq On : 3 Jun 2019 16:51
Operator : VA/AP
Sample : K3165-01RE
Misc : 5.10g/5ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId :

Quant Time: Jun 04 05:52:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	389390	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	635367	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	548251	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	240884	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	265437	58.14	ug/l	-0.02
Spiked Amount 50.000			Recovery = 116.28%			
35) Dibromofluoromethane	6.92	113	258421	44.63	ug/l	-0.02
Spiked Amount 50.000			Recovery = 89.26%			
50) Toluene-d8	10.41	98	477141	37.61	ug/l	-0.02
Spiked Amount 50.000			Recovery = 75.22%			
62) 4-Bromofluorobenzene	13.56	95	214636	37.52	ug/l	0.00
Spiked Amount 50.000			Recovery = 75.04%			
Target Compounds						Qvalue
3) Chloromethane	1.75	50	2132	Below Cal	#	43
5) Bromomethane	2.17	94	1614	1.441	ug/l #	12
11) Tert butyl alcohol	4.07	59	45197	232.090	ug/l #	81
13) Acrolein	3.04	56	6626	78.089	ug/l	85
14) Allyl chloride	3.61	41	17965	3.776	ug/l #	31
15) Acrylonitrile	4.19	53	11236	24.136	ug/l	94
16) Acetone	3.22	43	137585	153.371	ug/l	97
18) Methyl Acetate	3.67	43	4924	3.363	ug/l #	63
20) Methylene Chloride	3.82	84	12430	3.743	ug/l #	91
25) 2-Butanone	6.08	43	18293	21.652	ug/l	95
29) Tetrahydrofuran	6.53	42	422	1.115	ug/l #	33
36) 1,1-Dichloropropene	7.04	75	33517	5.299	ug/l #	45
38) Carbon Tetrachloride	7.04	117	45592	4.842	ug/l #	15
40) Benzene	7.45	78	32114	2.587	ug/l	95
48) Methyl methacrylate	9.13	41	11020	4.986	ug/l #	75
51) 4-Methyl-2-Pentanone	10.30	43	15862	6.851	ug/l	98
52) Toluene	10.51	92	41608	4.914	ug/l	95
59) 2-Hexanone	11.53	43	3910	2.408	ug/l #	62
68) m/p-Xylenes	12.66	106	25968	3.836	ug/l	91
69) o-Xylene	13.05	106	9300	1.440	ug/l	87
81) trans-1,4-Dichloro-2-buten	13.56	75	106535	128.653	ug/l #	5
95) Naphthalene	16.13	128	12505	1.809	ug/l	97

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

Quantitation Report (Not Reviewed)

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Operator : VA/AP
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

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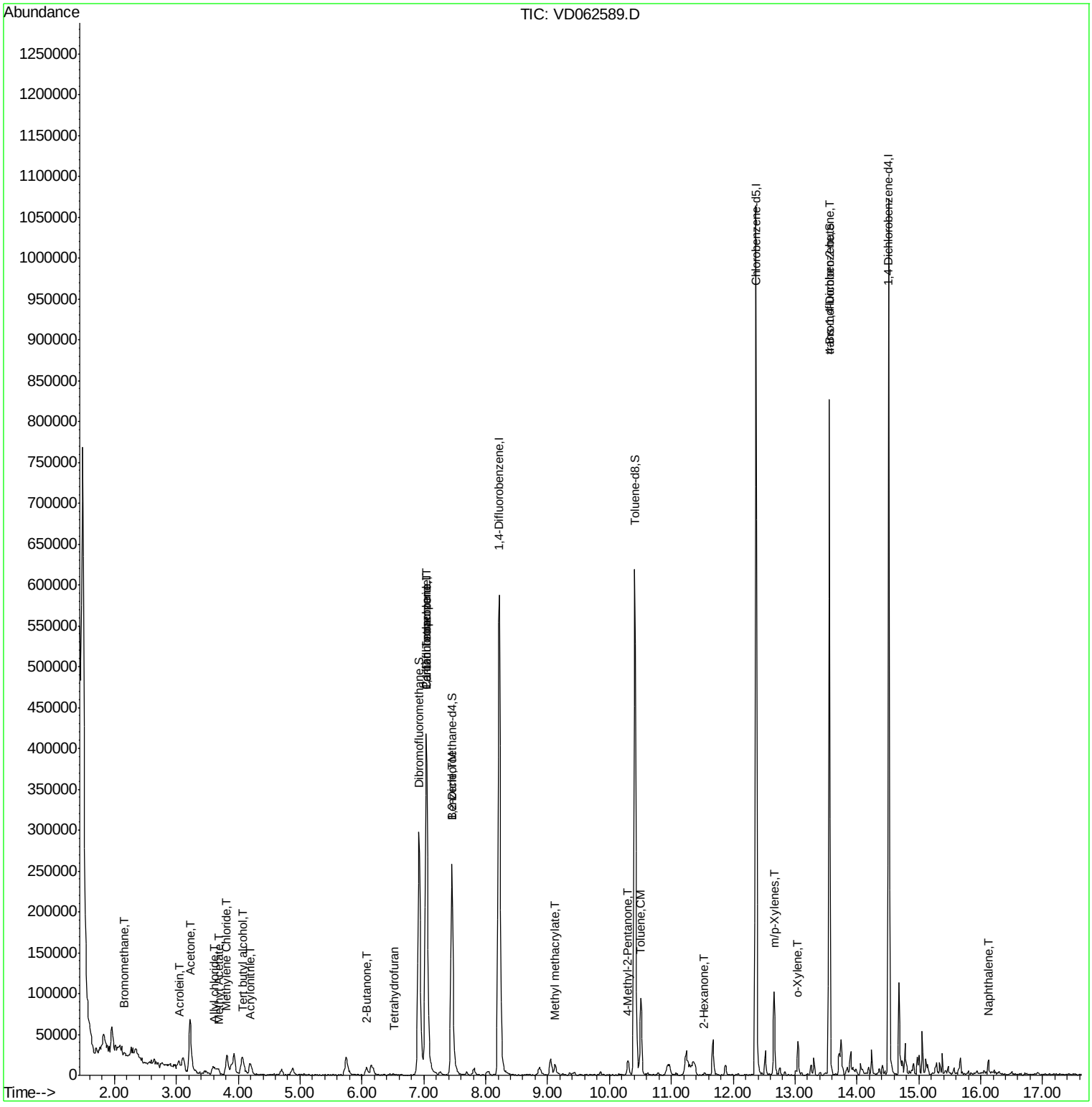
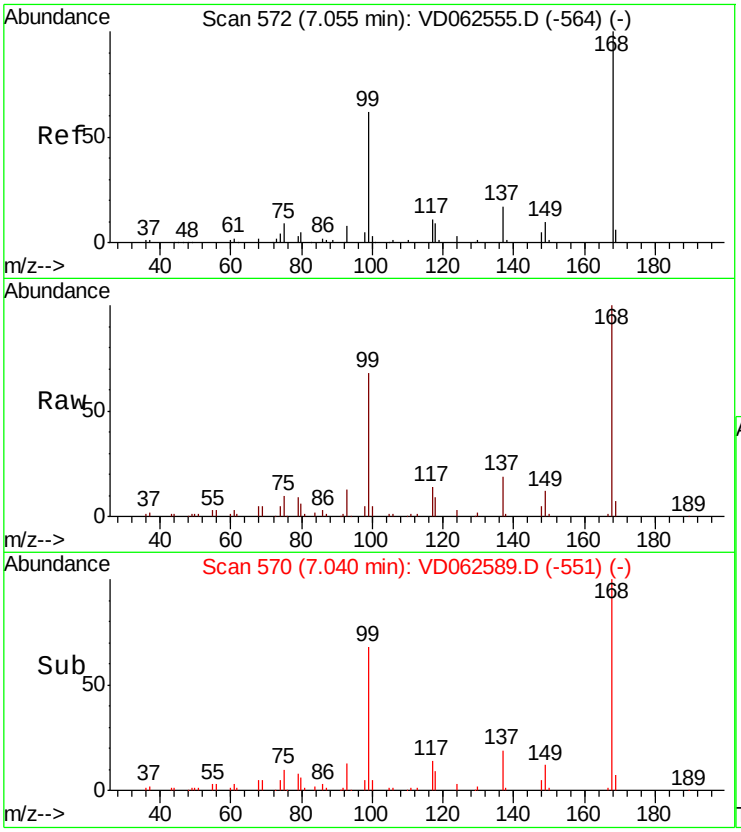
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration



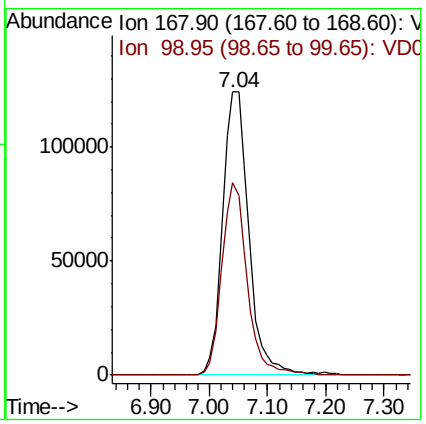


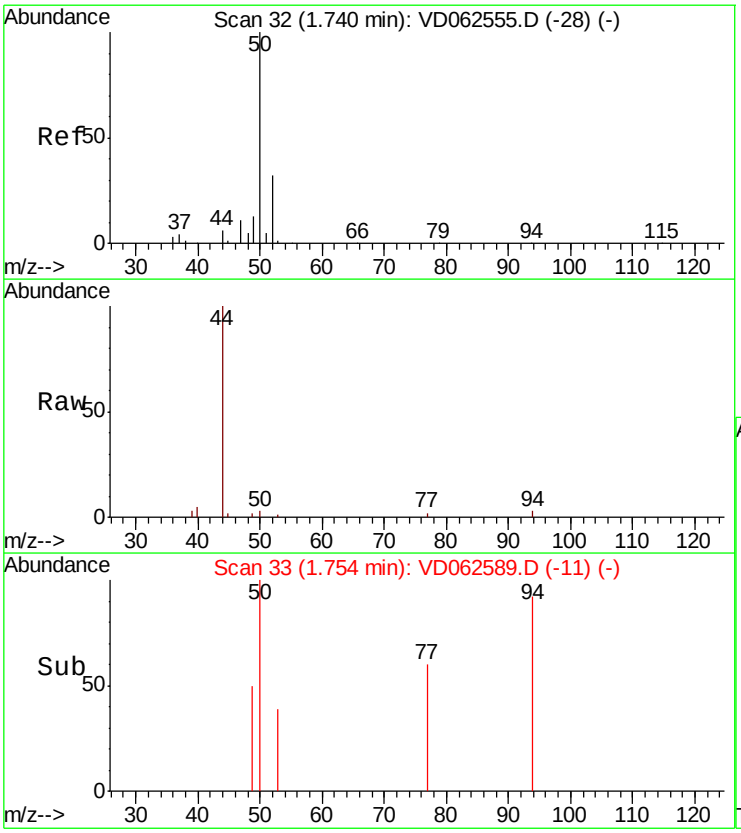
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 389390

Ion	Ratio	Lower	Upper
168	100		
99	67.9	50.8	76.2

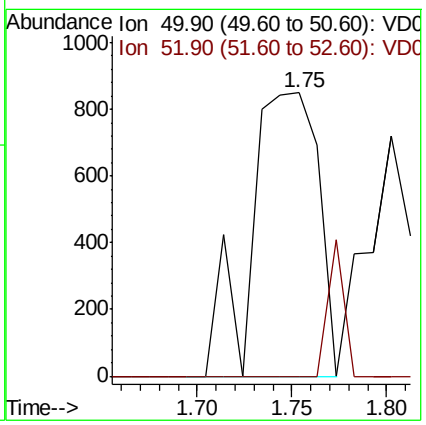


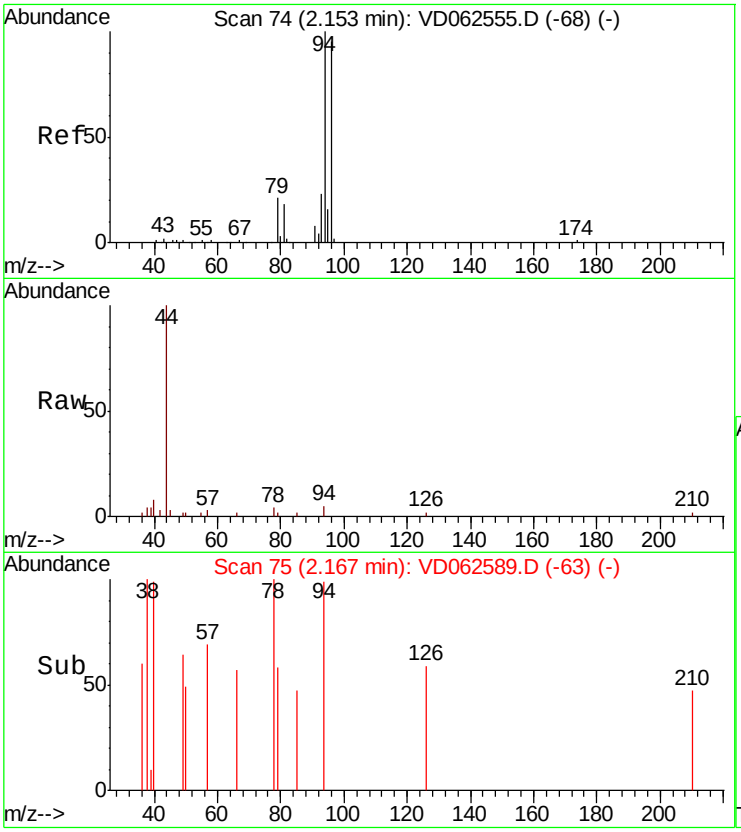


#3
Chloromethane
Concen: Below Cal
RT: 1.75 min Scan# 33
Delta R.T. 0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 50 Resp: 2132

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.4	38.2#



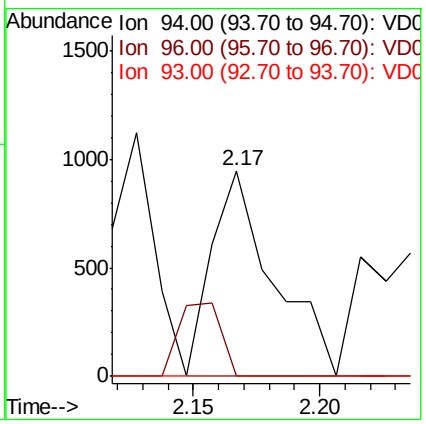


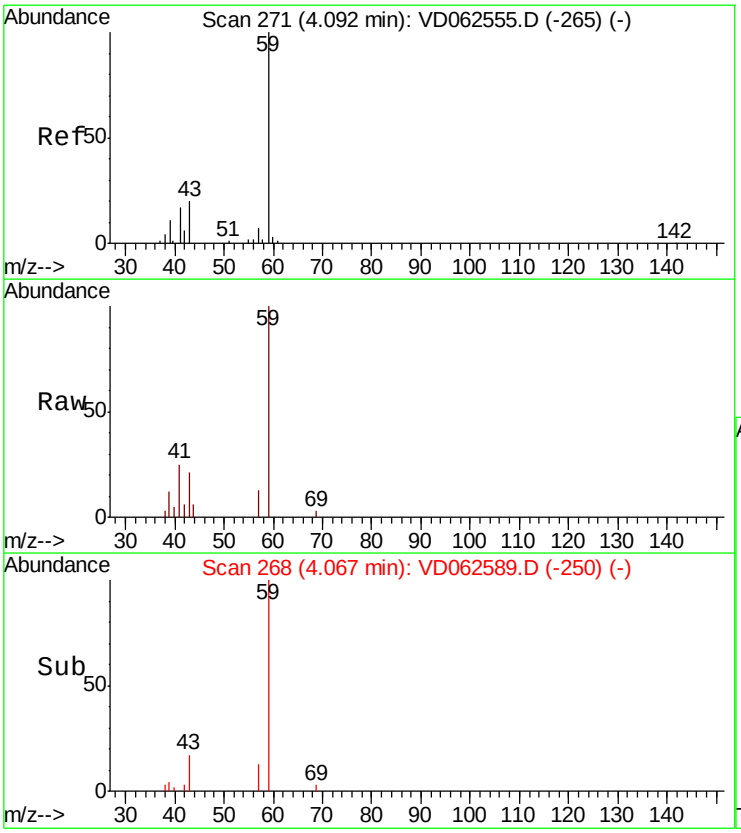
#5
Bromomethane
Concen: 1.441 ug/l
RT: 2.17 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 94 Resp: 1614

Ion	Ratio	Lower	Upper
94	100		
96	0.0	76.2	114.4#
93	0.0	18.4	27.6#

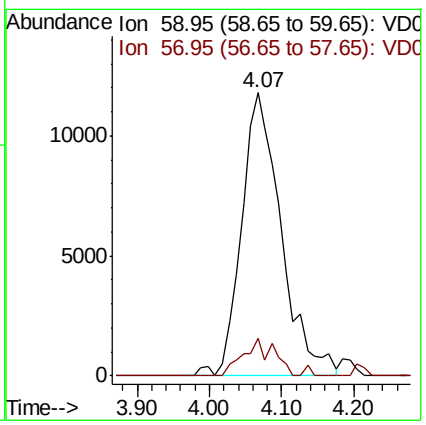


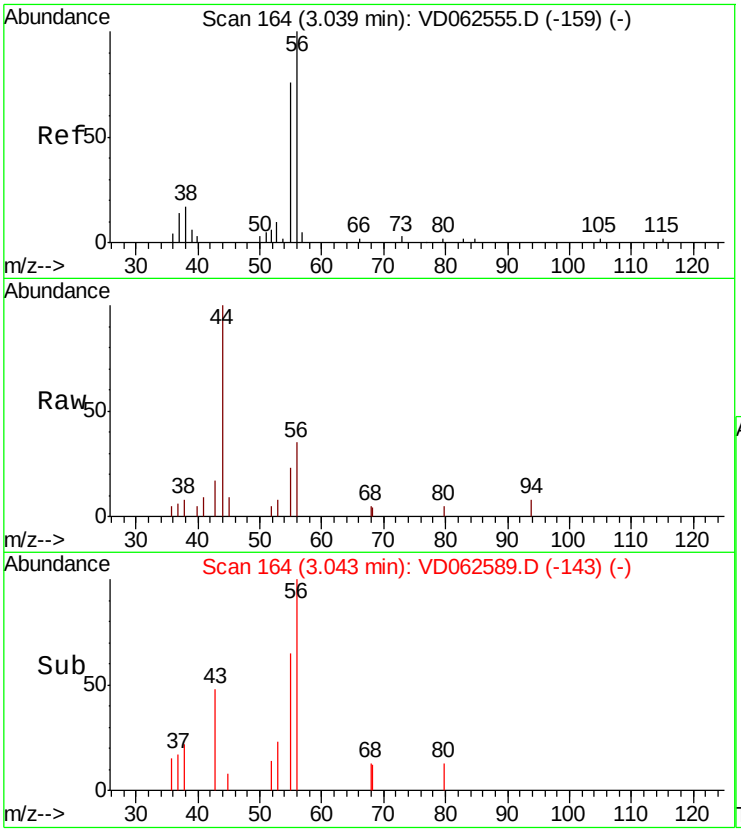


#11
Tert butyl alcohol
Concen: 232.090 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.03 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 59 Resp: 45197

Ion	Ratio	Lower	Upper
59	100		
57	13.4	5.4	8.0#



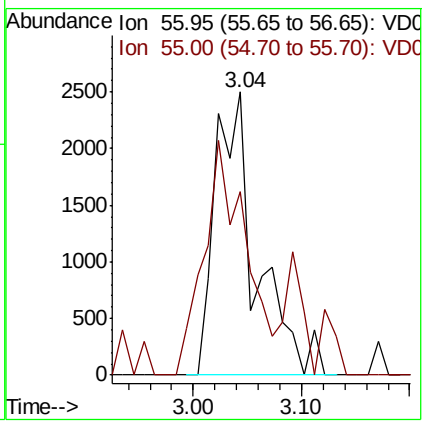


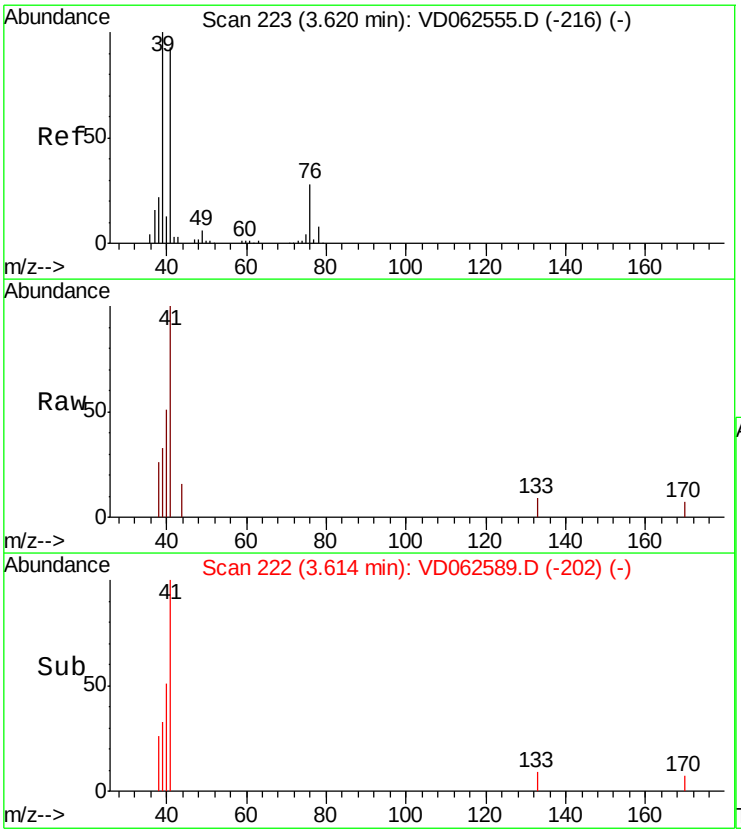
#13
Acrolein
Concen: 78.089 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 6626

Ion	Ratio	Lower	Upper
56	100		
55	64.7	62.6	93.8

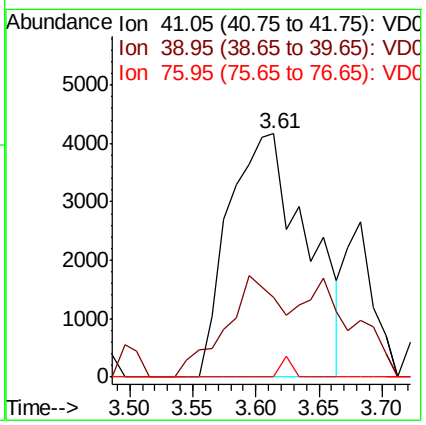


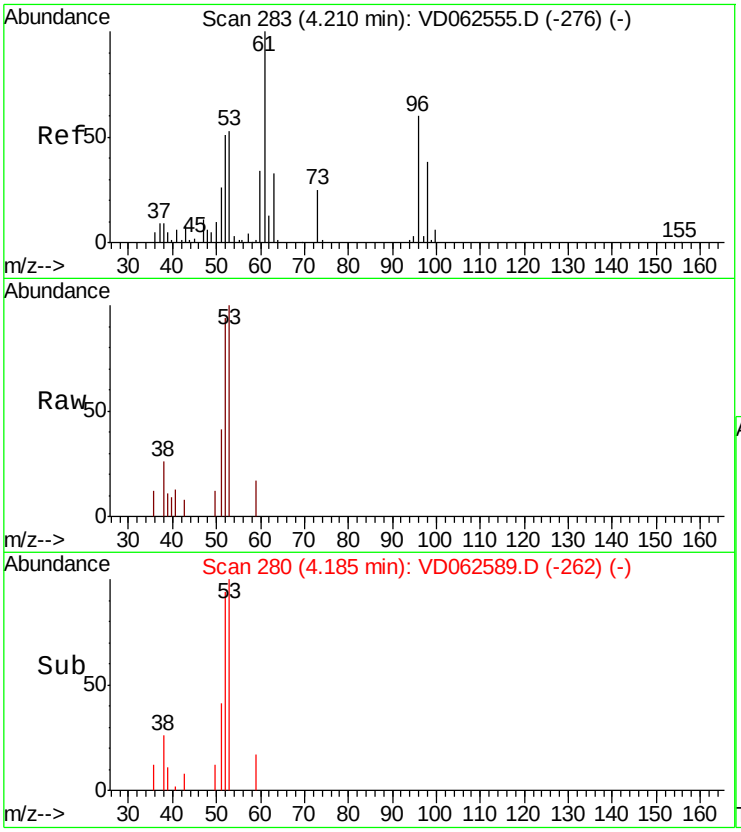


#14
Allyl chloride
Concen: 3.776 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 41 Resp: 17965

Ion	Ratio	Lower	Upper
41	100		
39	32.8	86.3	129.5#
76	0.0	25.5	38.3#



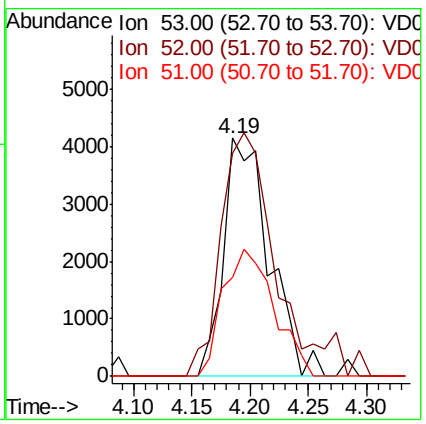


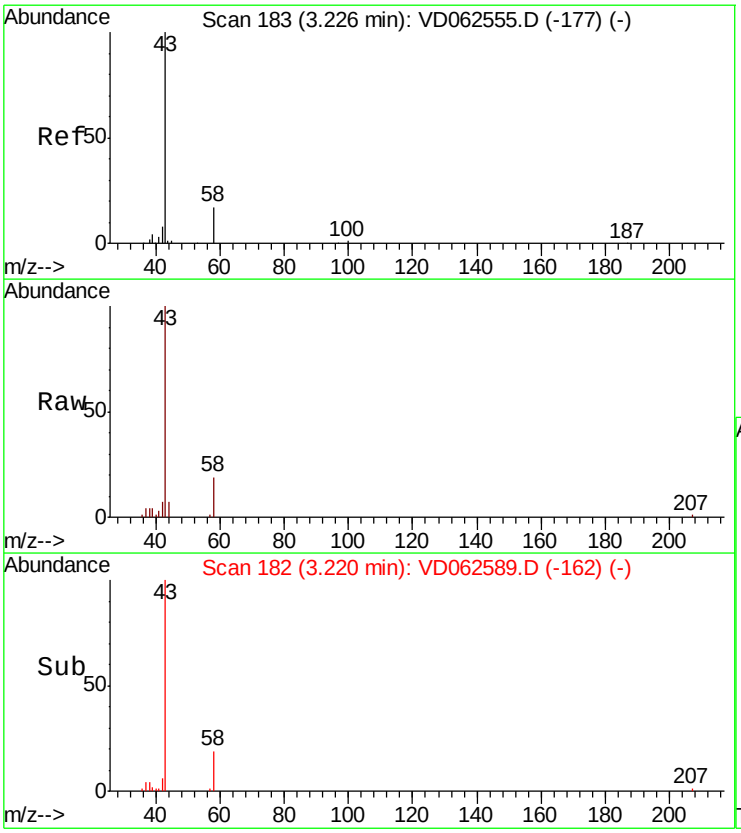
#15
Acrylonitrile
Concen: 24.136 ug/l
RT: 4.19 min Scan# 280
Delta R.T. -0.03 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 53 Resp: 11236

Ion	Ratio	Lower	Upper
53	100		
52	93.6	76.2	114.2
51	41.3	40.2	60.4

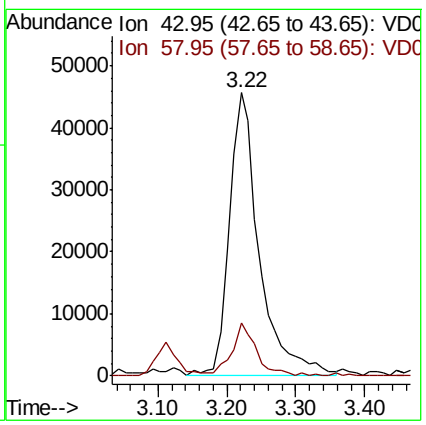


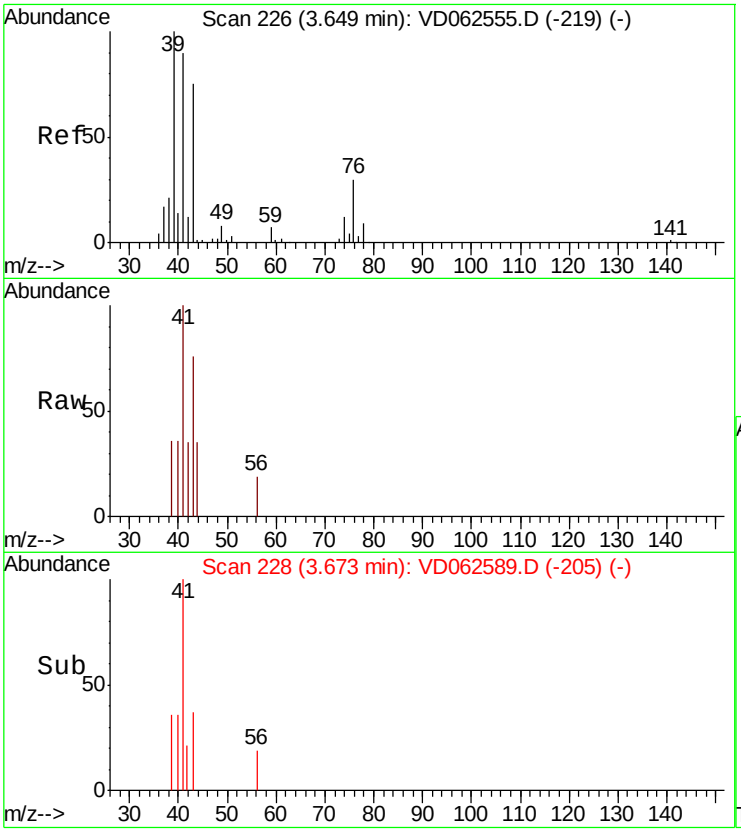


#16
Acetone
Concen: 153.371 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 43 Resp: 137585

Ion	Ratio	Lower	Upper
43	100		
58	18.5	13.8	20.8



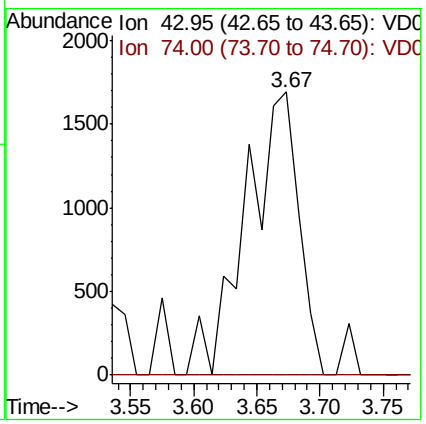


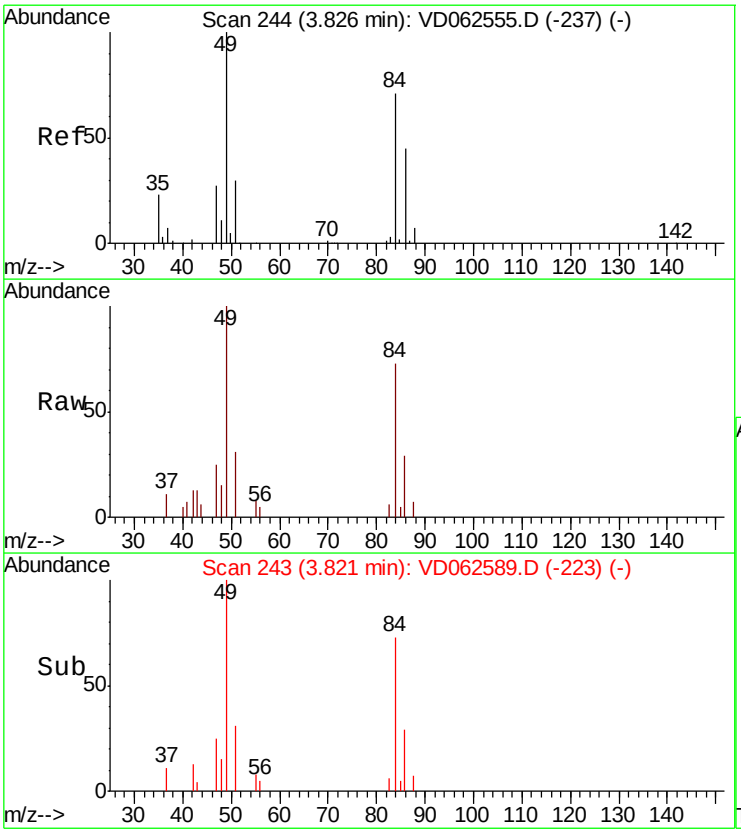
#18
Methyl Acetate
Concen: 3.363 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 4924

Ion	Ratio	Lower	Upper
43	100		
74	0.0	12.5	18.7#

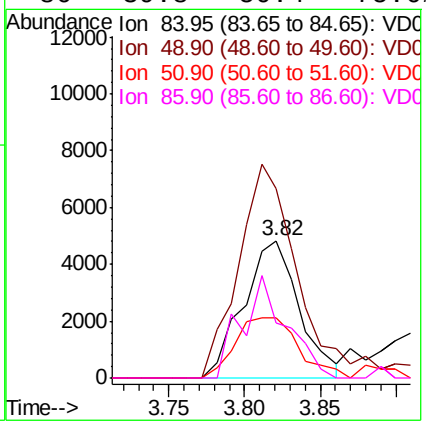


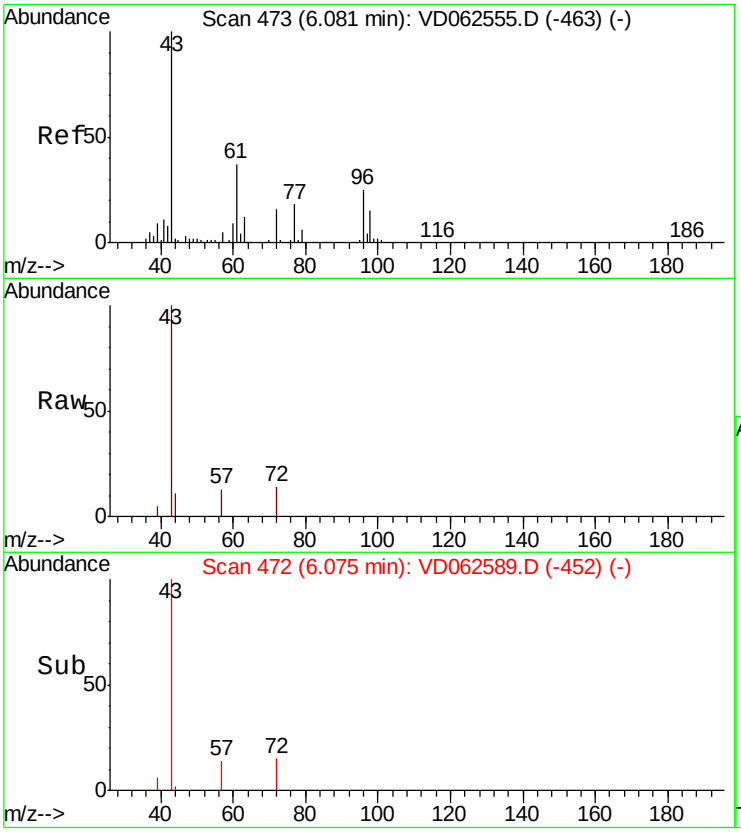


#20
Methylene Chloride
Concen: 3.743 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 84 Resp: 12430

Ion	Ratio	Lower	Upper
84	100		
49	137.8	112.3	168.5
51	43.4	33.6	50.4
86	39.8	50.4	75.6#



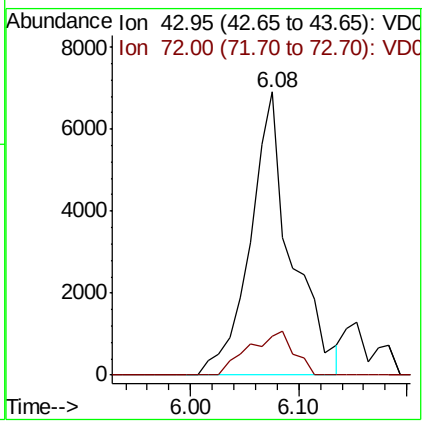


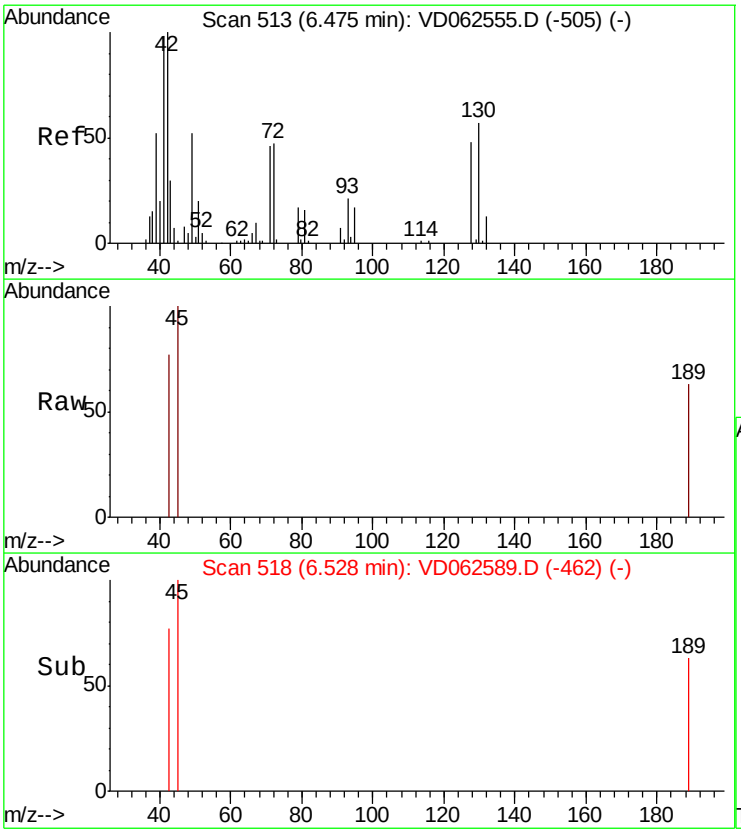
#25
2-Butanone
Concen: 21.652 ug/l
RT: 6.08 min Scan# 472
Delta R.T. -0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 18293

Ion	Ratio	Lower	Upper
43	100		
72	13.7	12.7	19.1

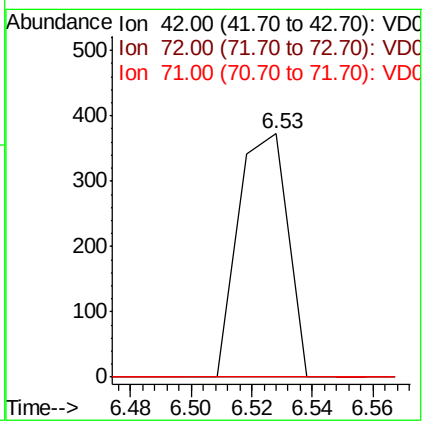


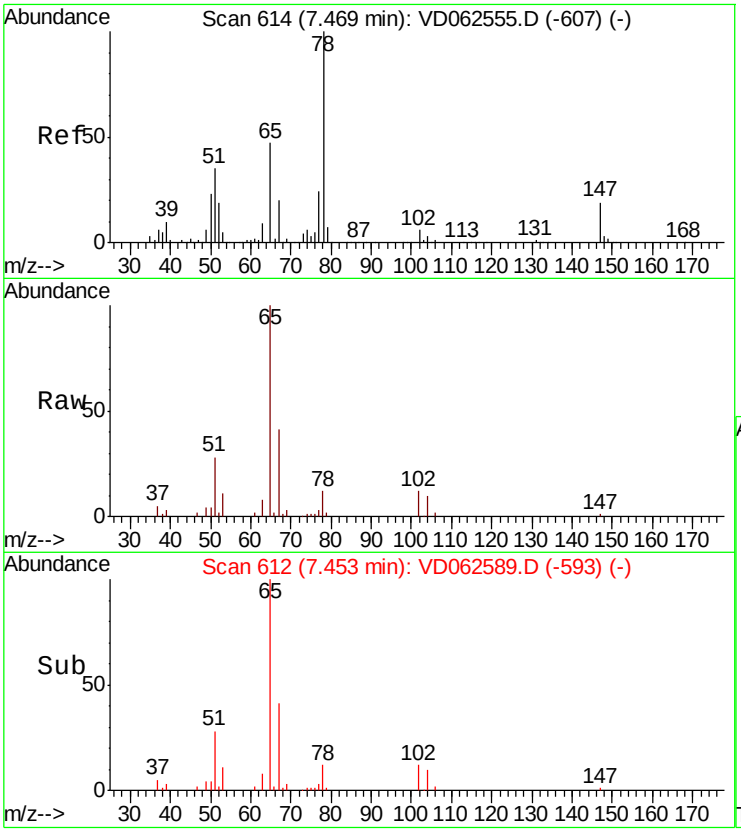


#29
Tetrahydrofuran
Concen: 1.115 ug/l
RT: 6.53 min Scan# 518
Delta R.T. 0.05 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 42 Resp: 422

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.5	51.7#
71	0.0	33.0	49.6#



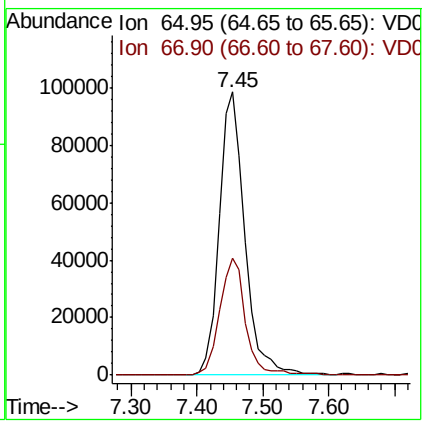


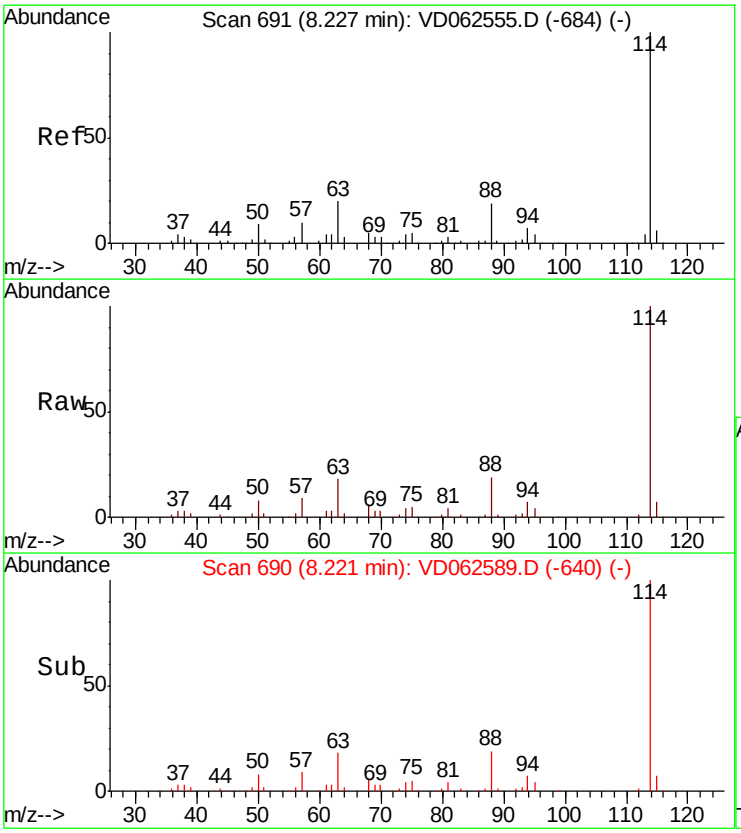
#33
1,2-Dichloroethane-d4
Concen: 58.137 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 65 Resp: 265437

Ion	Ratio	Lower	Upper
65	100		
67	41.1	0.0	83.6

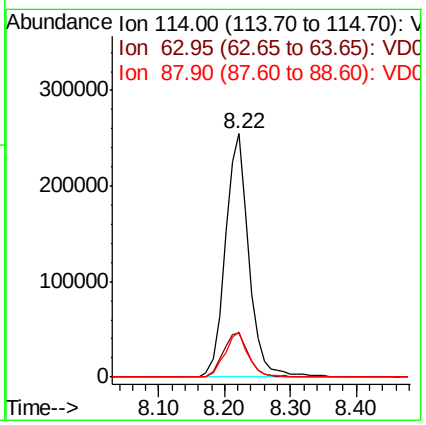


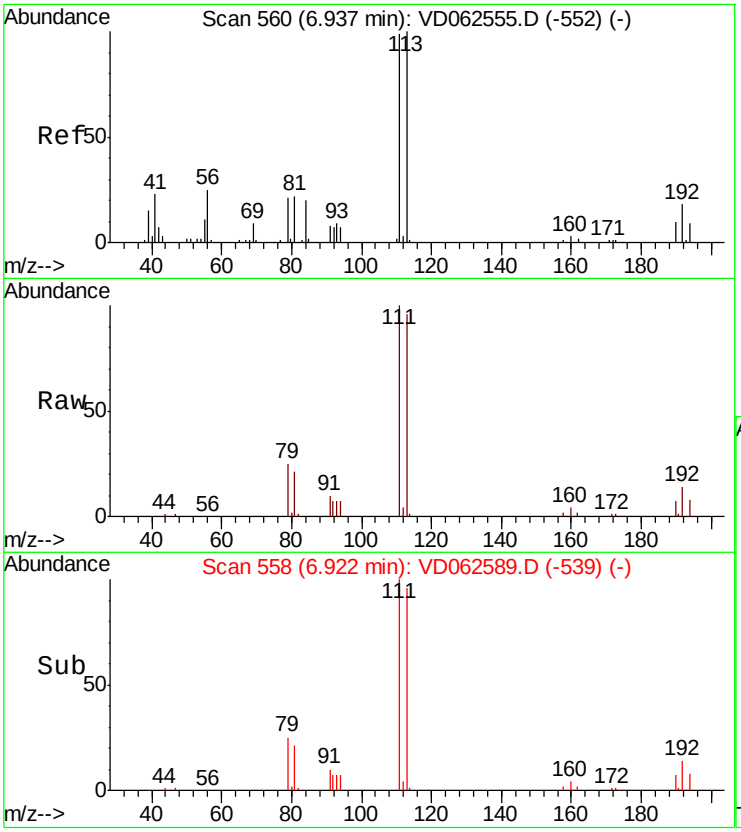


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. -0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion:114 Resp: 635367

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	40.6
88	18.7	0.0	37.6



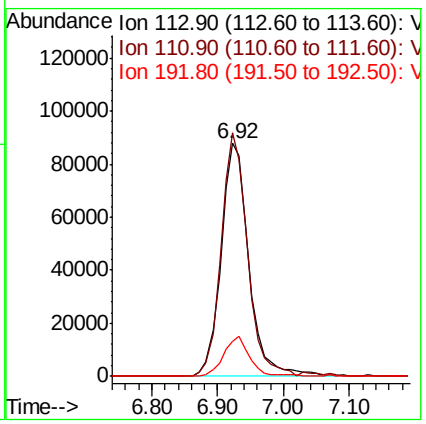


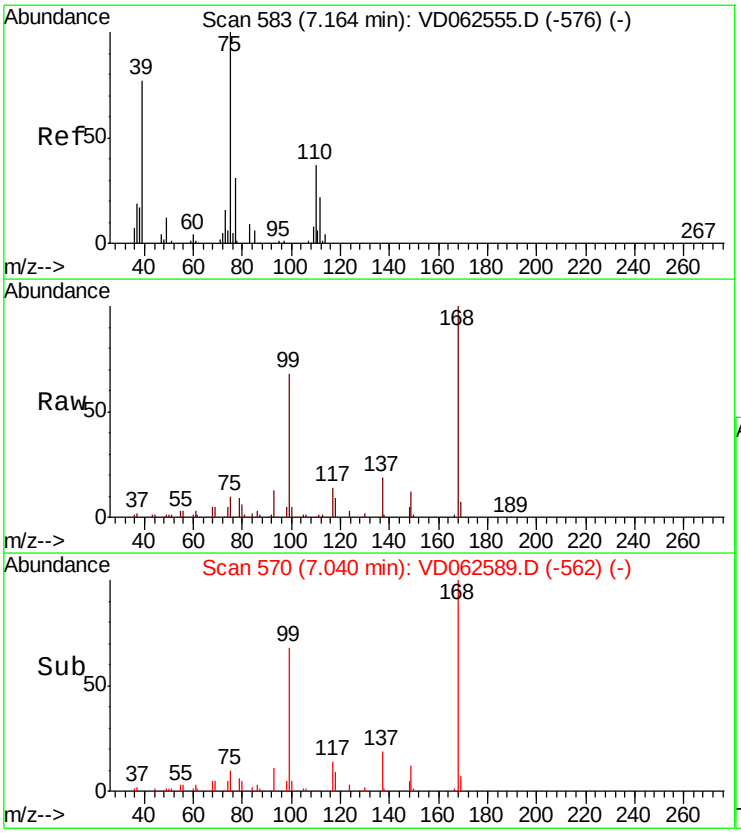
#35
Dibromofluoromethane
Concen: 44.633 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:113 Resp: 258421

Ion	Ratio	Lower	Upper
113	100		
111	104.5	78.8	118.2
192	15.0	14.6	22.0

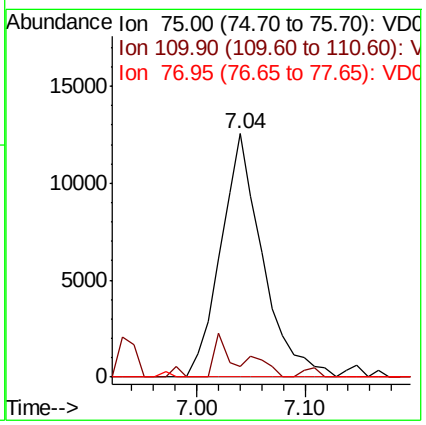


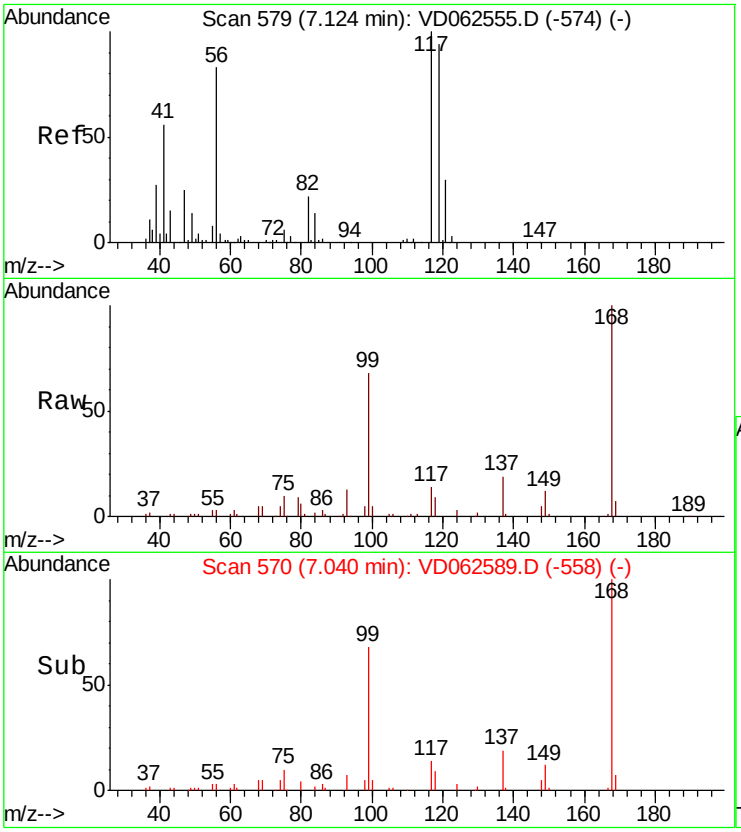


#36
1,1-Dichloropropene
Concen: 5.299 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.12 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 75 Resp: 33517

Ion	Ratio	Lower	Upper
75	100		
110	4.4	18.3	54.8#
77	0.0	24.4	36.6#



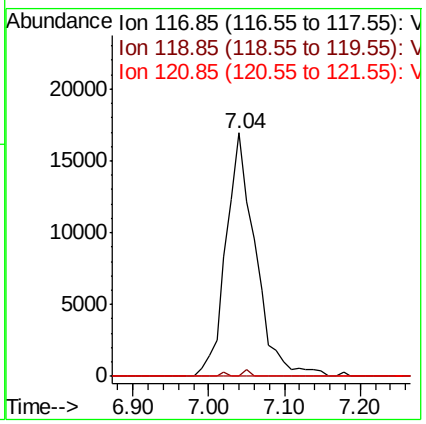


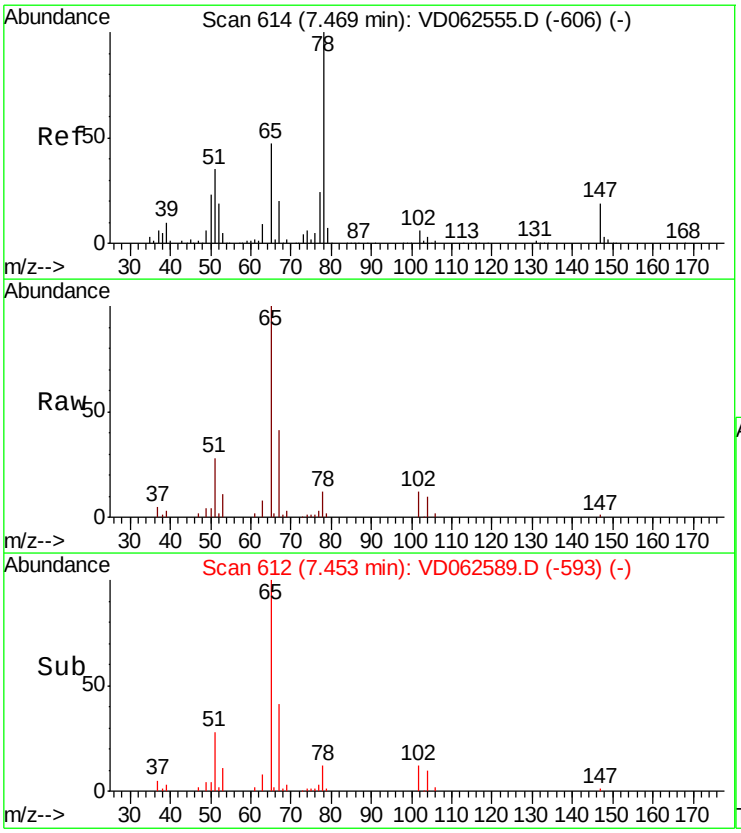
#38
Carbon Tetrachloride
Concen: 4.842 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 45592

Ion	Ratio	Lower	Upper
117	100		
119	0.0	71.4	107.2#
121	0.0	22.5	33.7#

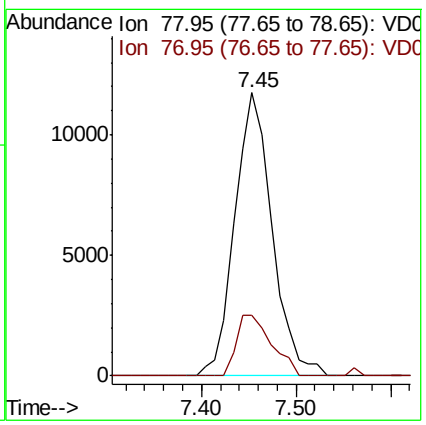


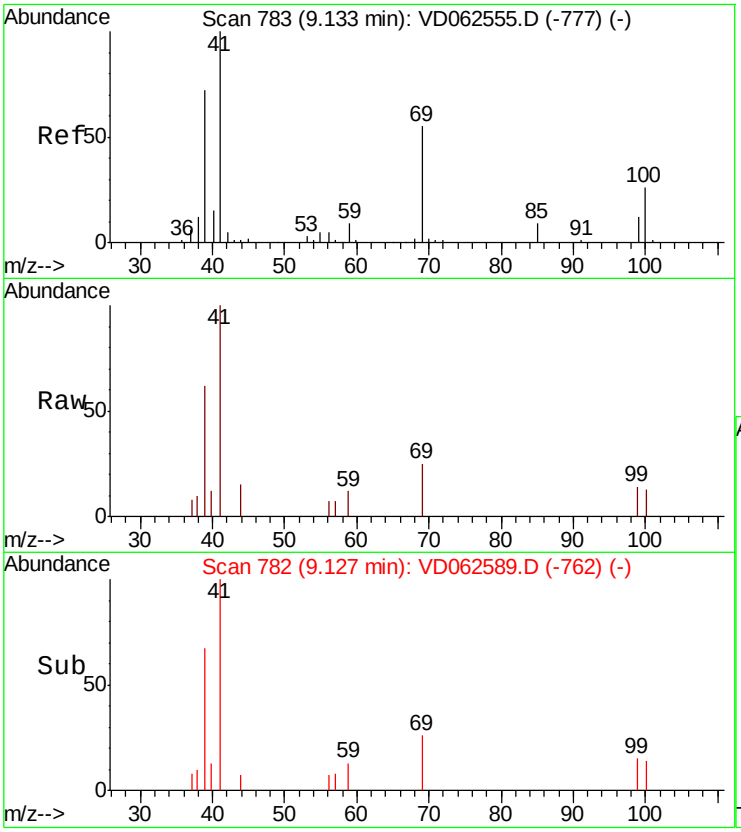


#40
Benzene
Concen: 2.587 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 78 Resp: 32114

Ion	Ratio	Lower	Upper
78	100		
77	21.3	19.1	28.7



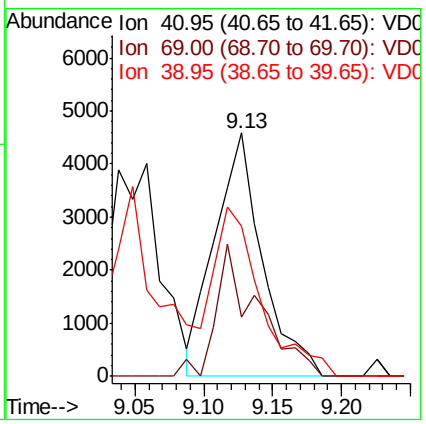


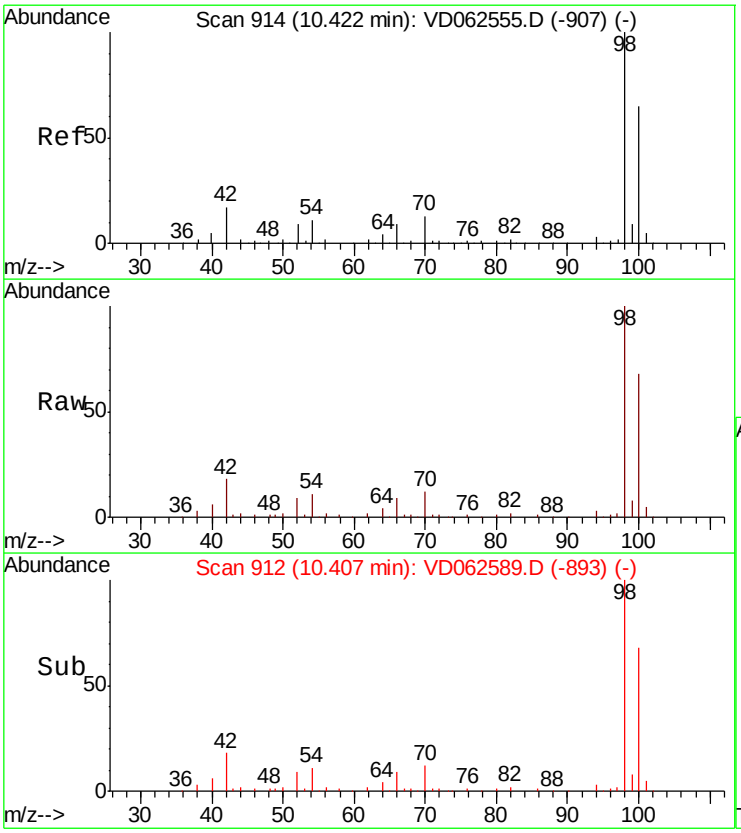
#48
Methyl methacrylate
Concen: 4.986 ug/l
RT: 9.13 min Scan# 782
Delta R.T. -0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 41 Resp: 11020

Ion	Ratio	Lower	Upper
41	100		
69	24.5	43.6	65.4#
39	61.8	58.1	87.1

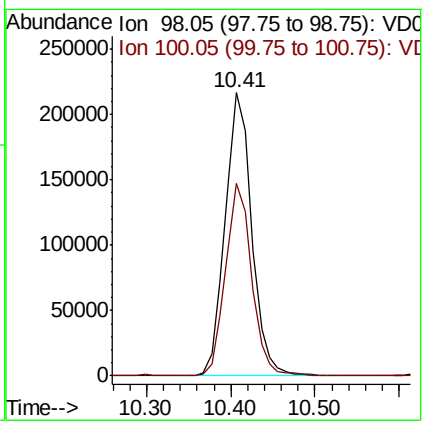


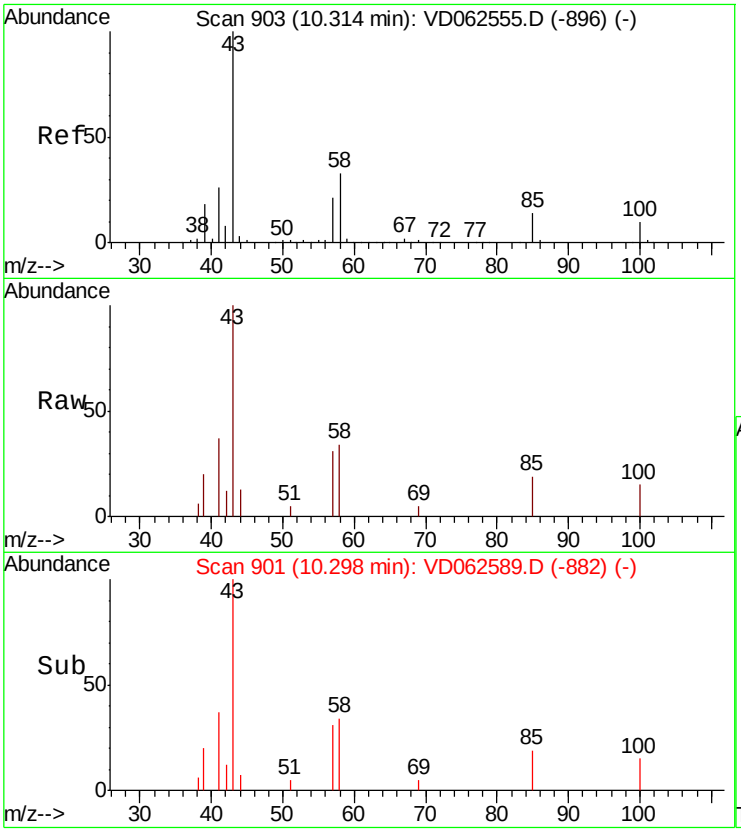


#50
Toluene-d8
Concen: 37.612 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 98 Resp: 477141

Ion	Ratio	Lower	Upper
98	100		
100	68.2	52.3	78.5



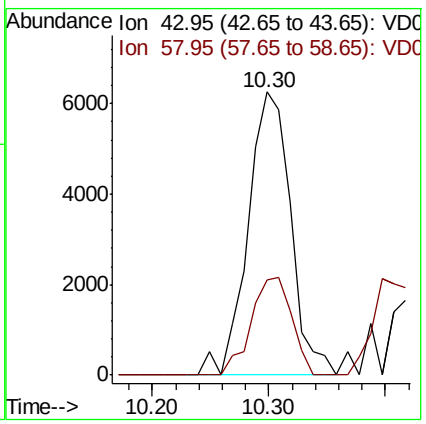


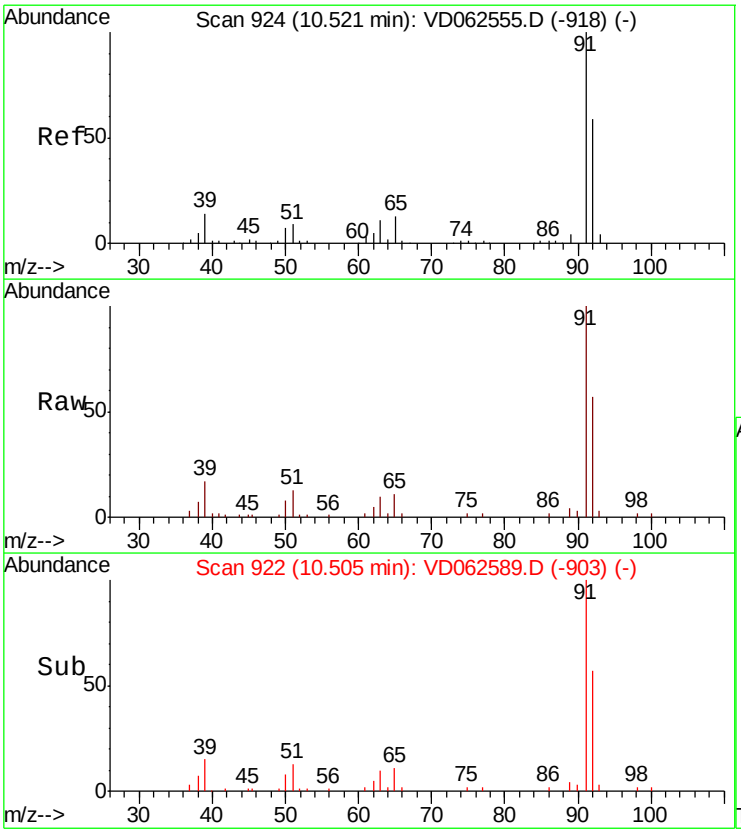
#51
4-Methyl-2-Pentanone
Concen: 6.851 ug/l
RT: 10.30 min Scan# 901
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 15862

Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.1	39.1

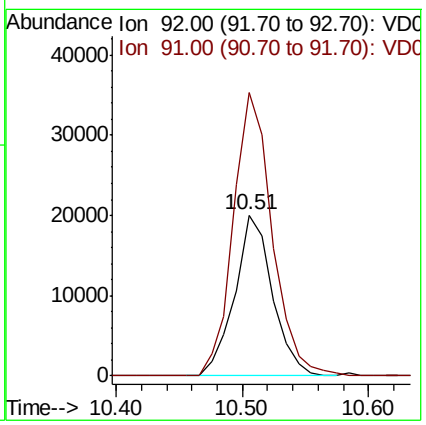


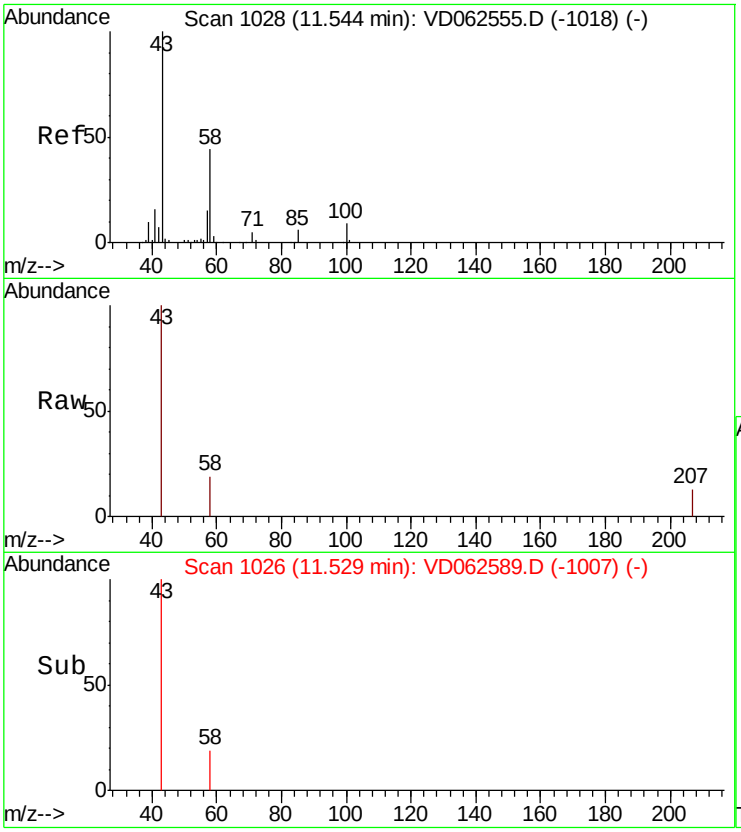


#52
Toluene
Concen: 4.914 ug/l
RT: 10.51 min Scan# 922
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 92 Resp: 41608

Ion	Ratio	Lower	Upper
92	100		
91	176.1	135.5	203.3



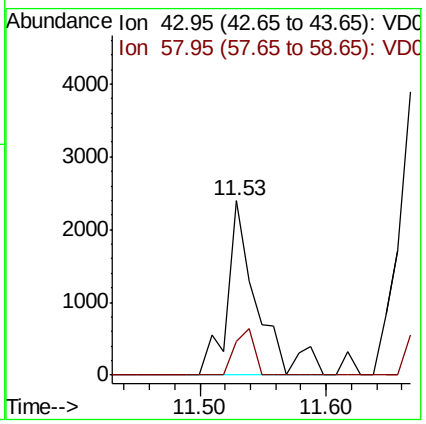


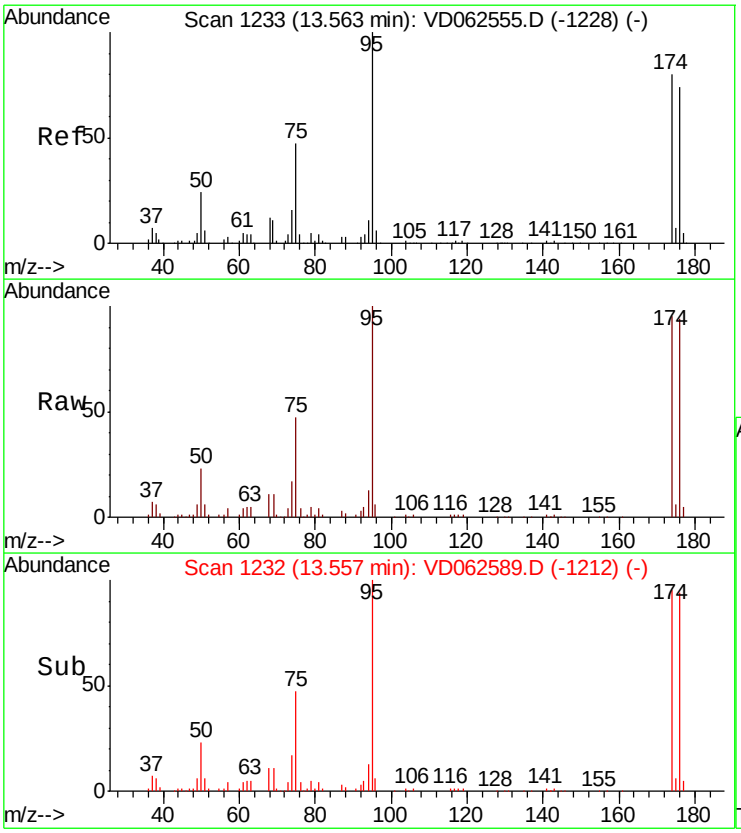
#59
2-Hexanone
Concen: 2.408 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 3910

Ion	Ratio	Lower	Upper
43	100		
58	19.4	22.0	66.0#

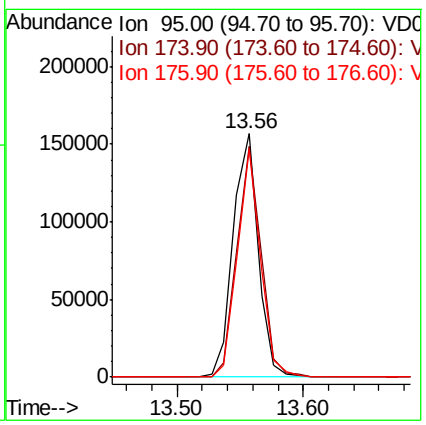


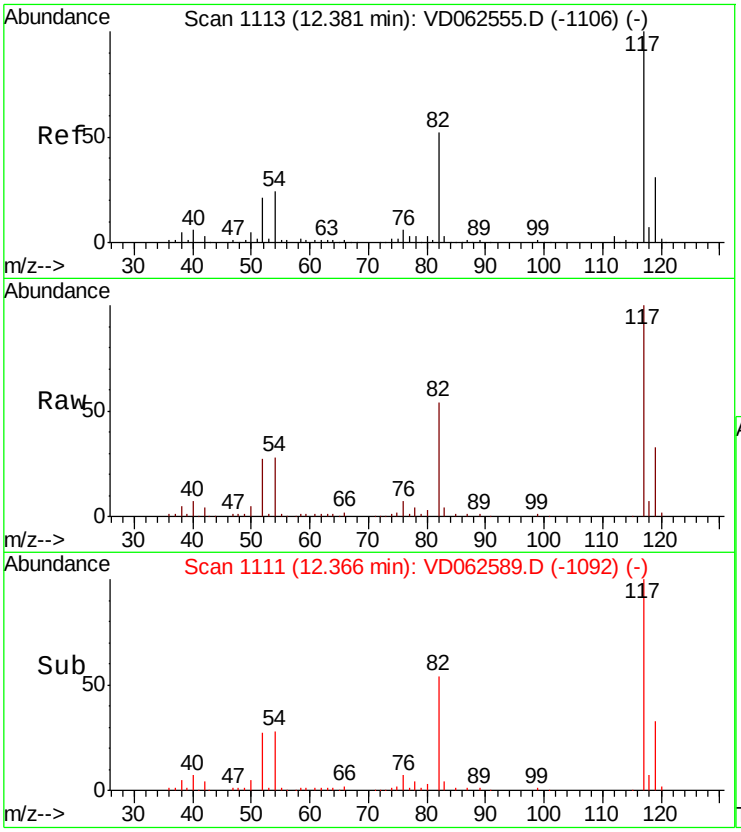


#62
4-Bromofluorobenzene
Concen: 37.518 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion: 95 Resp: 214636

Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	160.2
176	93.8	0.0	148.0



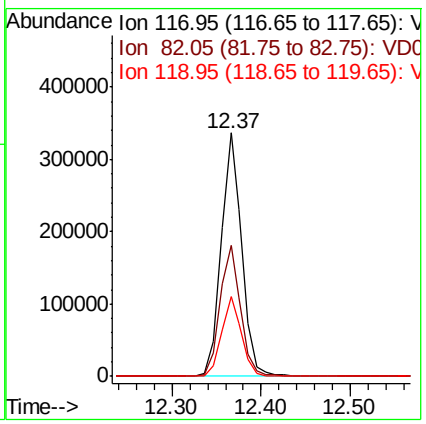


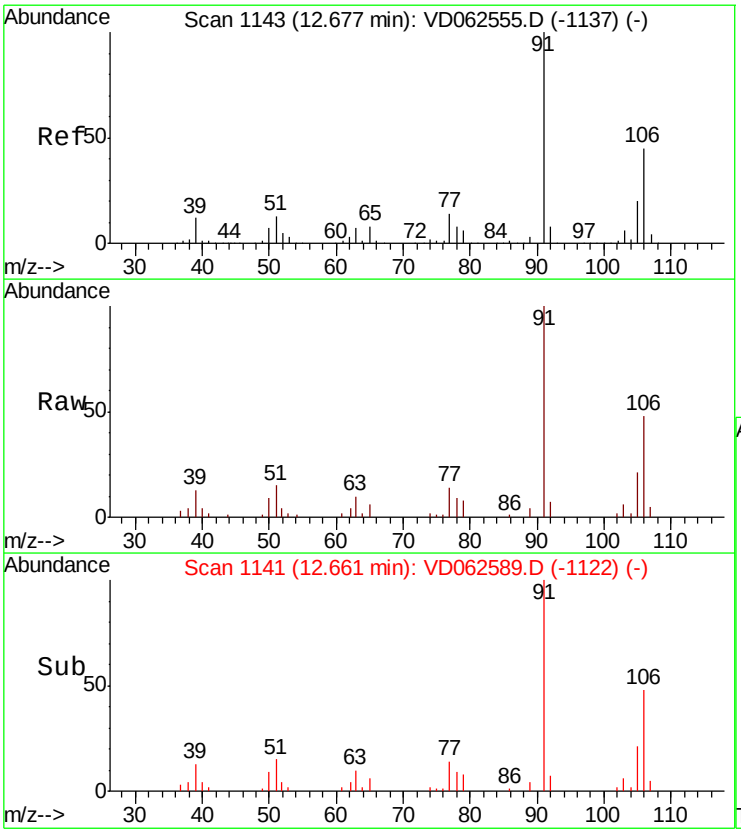
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 548251

Ion	Ratio	Lower	Upper
117	100		
82	53.7	41.4	62.2
119	33.0	24.9	37.3

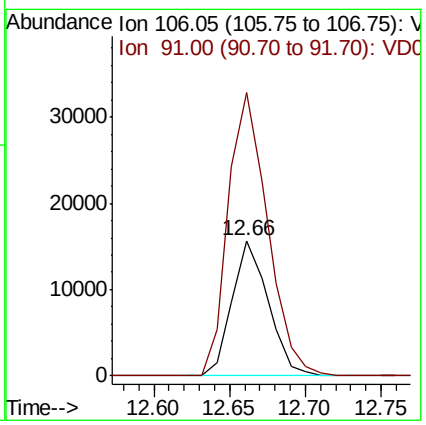


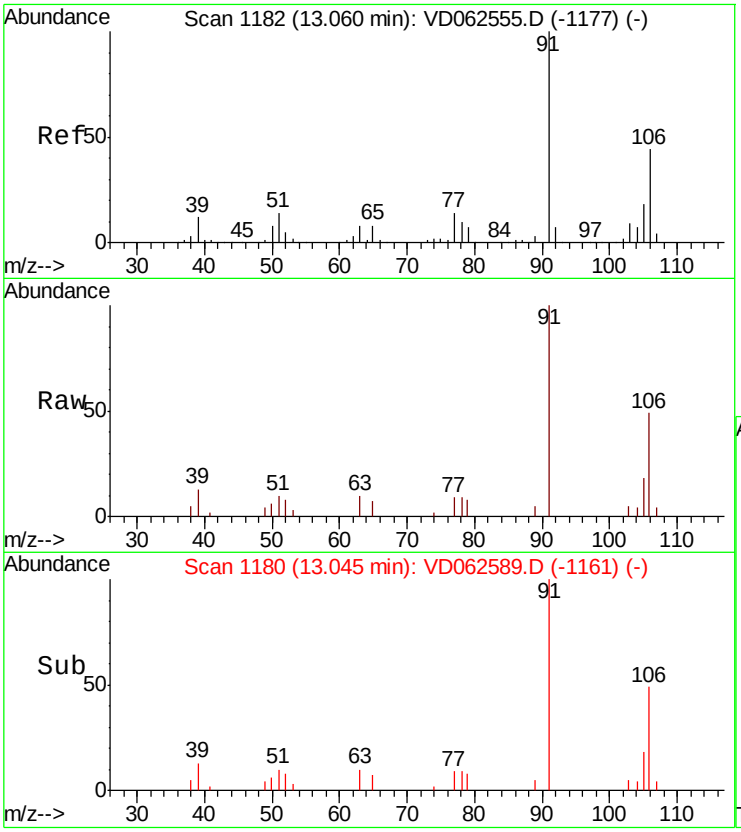


#68
m/p-Xylenes
Concen: 3.836 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion:106 Resp: 25968

Ion	Ratio	Lower	Upper
106	100		
91	209.7	178.9	268.3



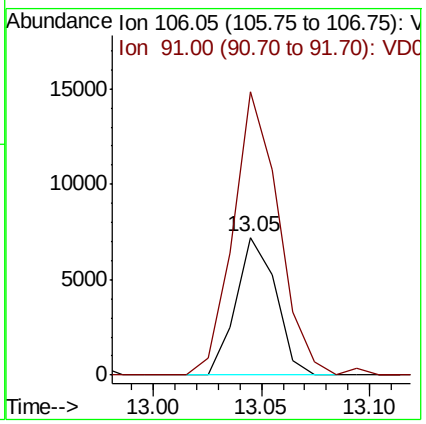


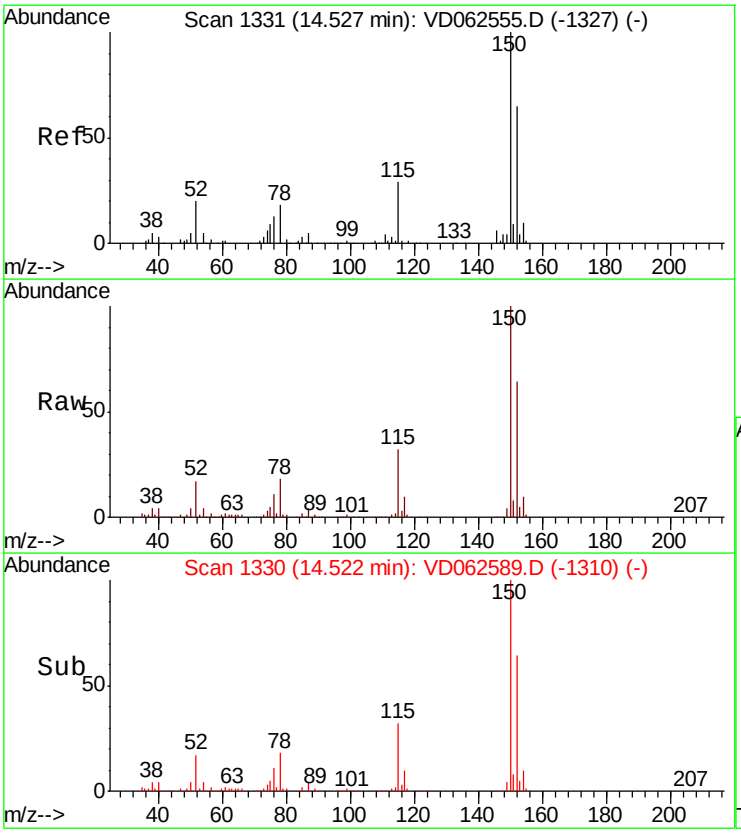
#69
o-Xylene
Concen: 1.440 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:106 Resp: 9300

Ion	Ratio	Lower	Upper
106	100		
91	205.8	113.9	341.8

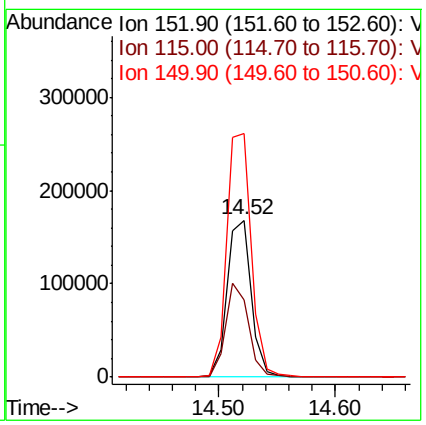


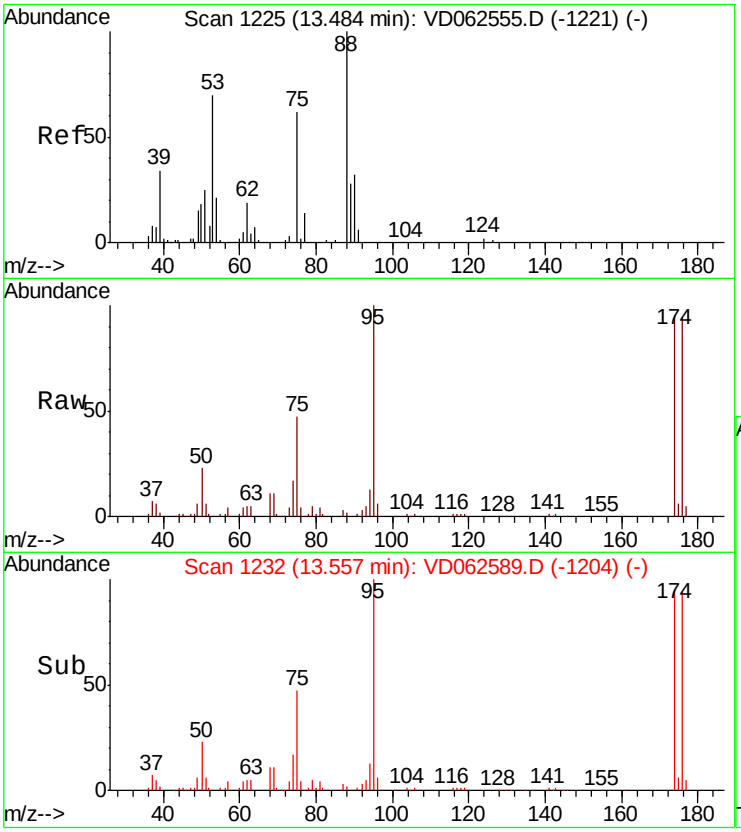


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion:152 Resp: 240884

Ion	Ratio	Lower	Upper
152	100		
115	49.4	28.4	85.3
150	155.2	0.0	310.4



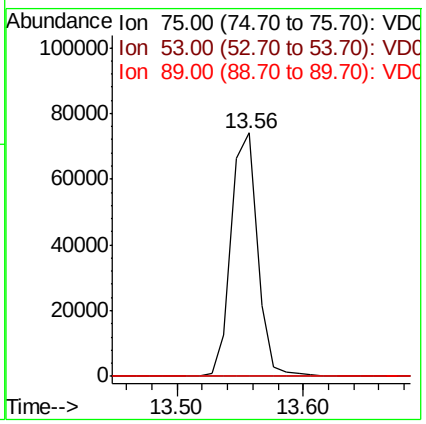


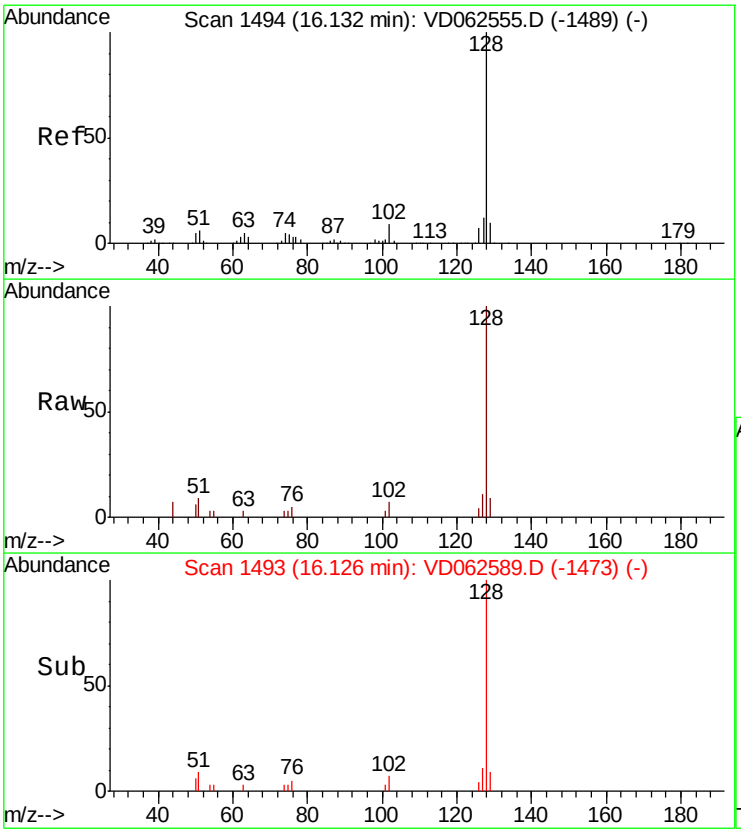
#81
trans-1,4-Dichloro-2-butene
Concen: 128.653 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 106535

Ion	Ratio	Lower	Upper
75	100		
53	0.0	91.0	136.4#
89	0.0	36.9	55.3#





#95
Naphthalene
Concen: 1.809 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062589.D
Acq: 3 Jun 2019 16:51

Tgt Ion:128 Resp: 12505

Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.7	14.5
129	8.9	8.2	12.2