Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\

Quantitation Report (Not Reviewed)

Data File : VL032390.D
Acq On : 16 Aug 2018 23:44
Operator : SY/AP
Sample : J4457-08DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DUP1-MIVIDL

Quant Time: Aug 17 03:21:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1842302	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3474133	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3485590	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.64	95	2646911	9.95	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.11	85	3789	Below Cal		99
3) Chlorodifluoromethane	3.05	51	8505	0.050	ppbv	99
4) Chloromethane	3.21	50	7409	0.073	ppbv	98
9) Propene	3.07	41	228395	3.127	ppbv	93
13) Ethanol	3.70	45	134762	7.184	ppbv	99
15) Acetone	3.95	43	763192	4.360	ppbv	100
16) 1,3-Butadiene	3.38	39	99299	1.374	ppbv #	14
17) tert-Butyl alcohol	4.07	59	378850	12.899	ppbv	99
19) Isopropyl Alcohol	4.07	45	10236117	86.845	ppbv #	98
20) Methylene Chloride	4.45	84	389583	5.893	ppbv	91
21) Allyl Chloride	4.23	41	31402	0.284	ppbv #	23
25) Ethyl Acetate	5.83	43	86498	0.231	ppbv #	82
26) Hexane	5.83	57	111853	0.669	ppbv #	42
27) Carbon Disulfide	5.09	76	546169	3.499	ppbv #	65
34) 2-Butanone	5.39	43	126937	0.537	ppbv	99
36) Benzene	7.06	78	9481	0.032	ppbv #	93
39) 1,2-Dichloropropane	7.35	63	981847	7.980	ppbv #	26
53) Toluene	10.01	91	87028	0.270	ppbv	98
58) Ethyl Benzene	13.18	91	20564	0.049	ppbv	93
75) 1,3-Dichlorobenzene	17.23	146	25854	0.108	ppbv #	29
79) Naphthalene	22.49	128	563	0.329	ppbv #	1

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

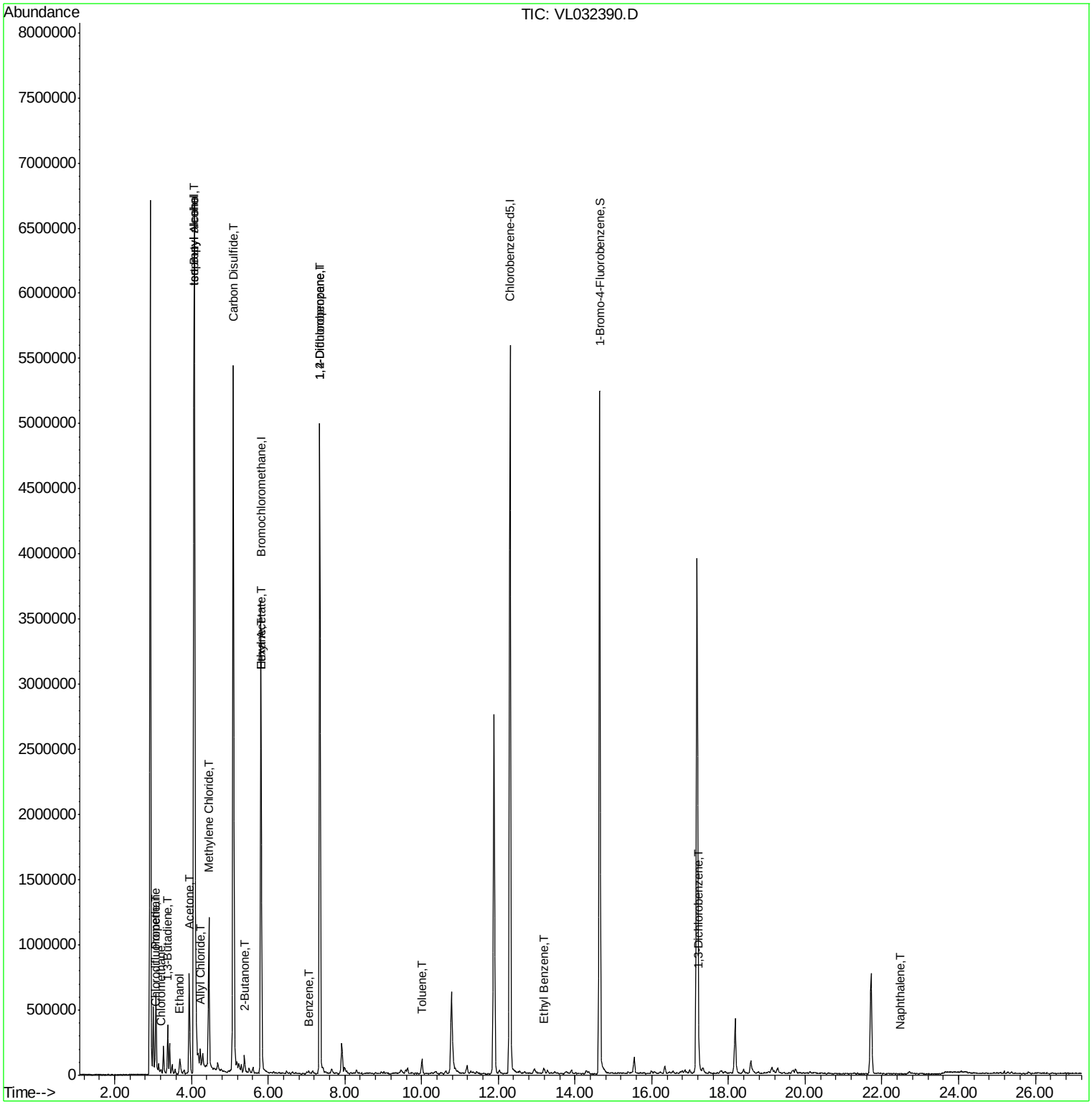
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\

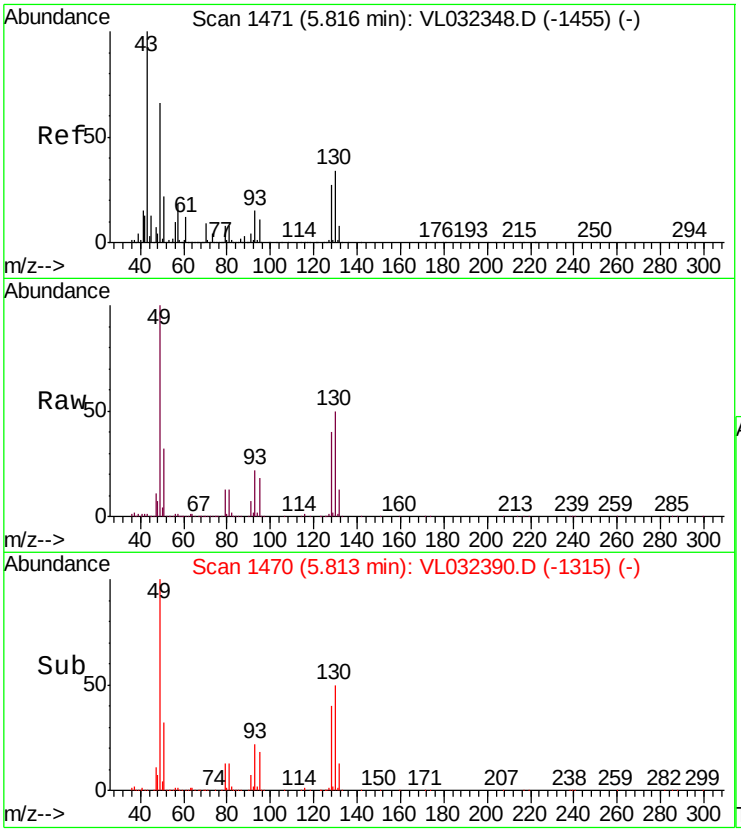
Quantitation Report (Not Reviewed)

Data File : VL032390.D
Acq On : 16 Aug 2018 23:44
Operator : SY/AP
Sample : J4457-08DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DUP1-MIVIDL

Quant Time: Aug 17 03:21:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration



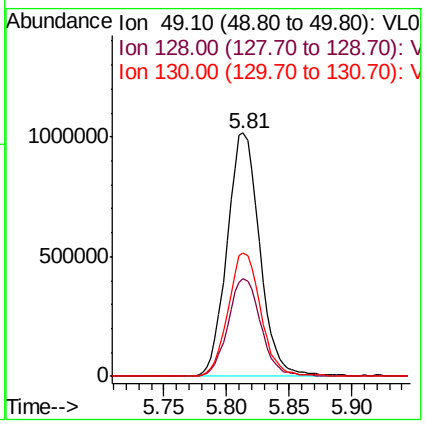


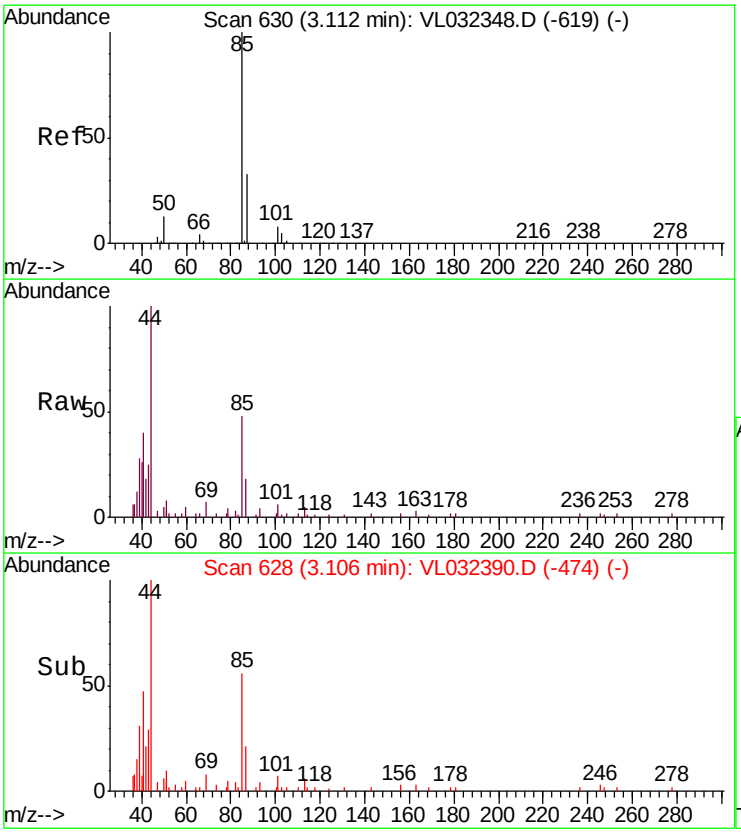
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.81 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion: 49 Resp: 1842302

Ion	Ratio	Lower	Upper
49	100		
128	40.4	20.5	61.6
130	51.3	26.2	78.5

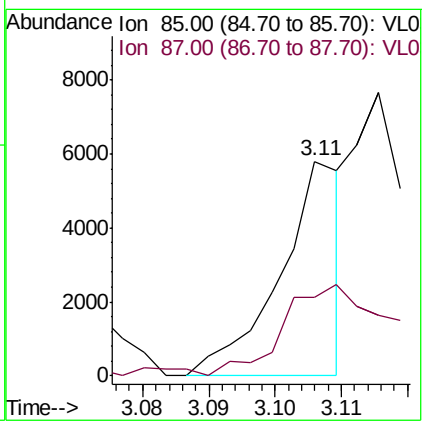


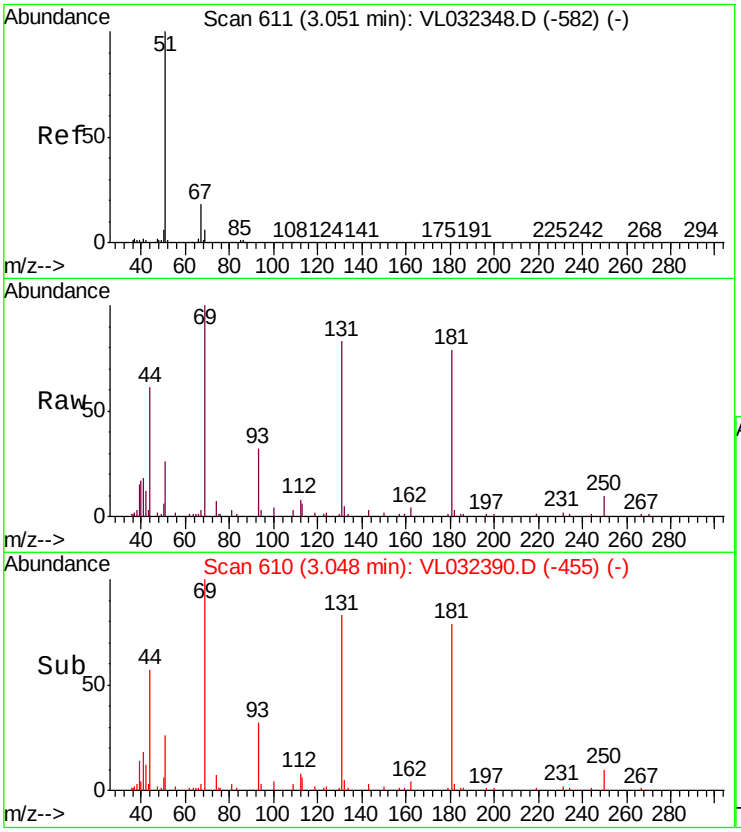


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 3.11 min Scan# 628
Delta R.T. -0.01 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion: 85 Resp: 3789

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.3	39.5



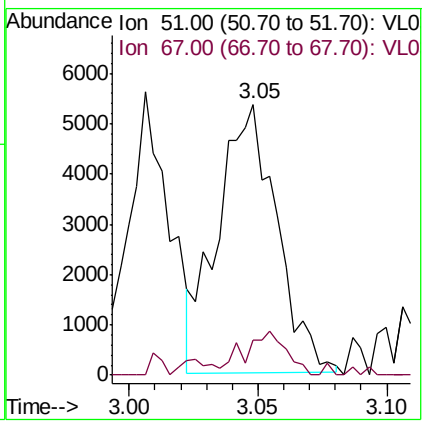


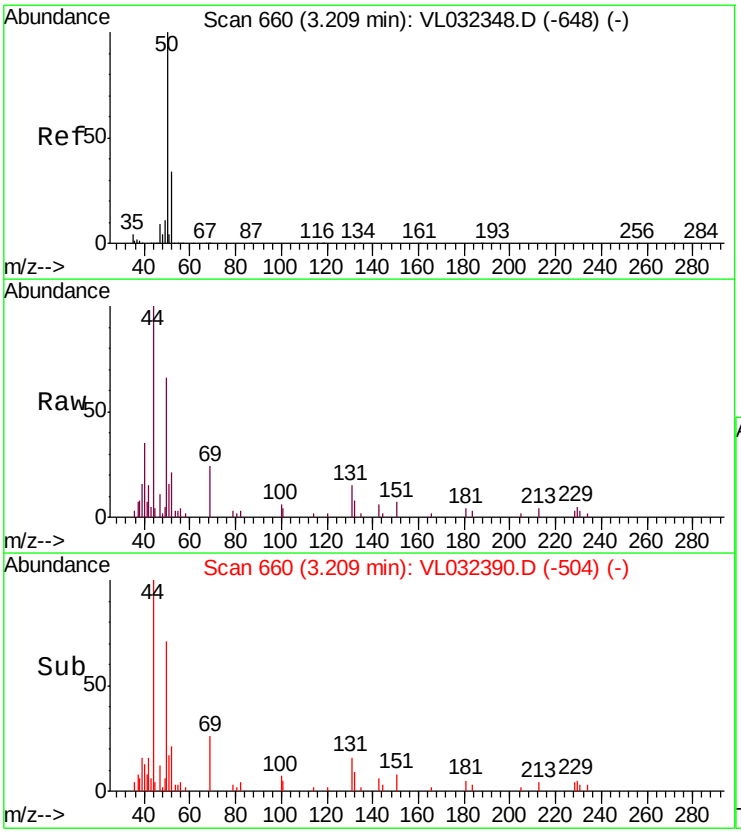
#3
Chlorodifluoromethane
Concen: 0.050 ppbv
RT: 3.05 min Scan# 610
Delta R.T. -0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion: 51 Resp: 8505

Ion	Ratio	Lower	Upper
51	100		
67	16.7	13.7	20.5

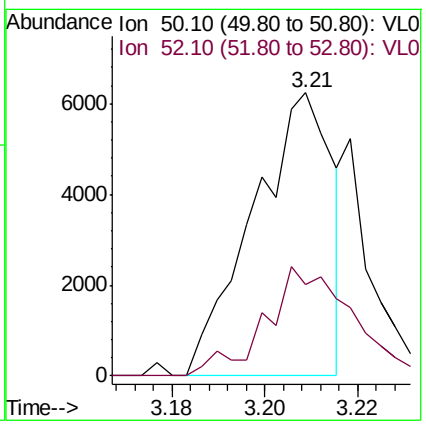


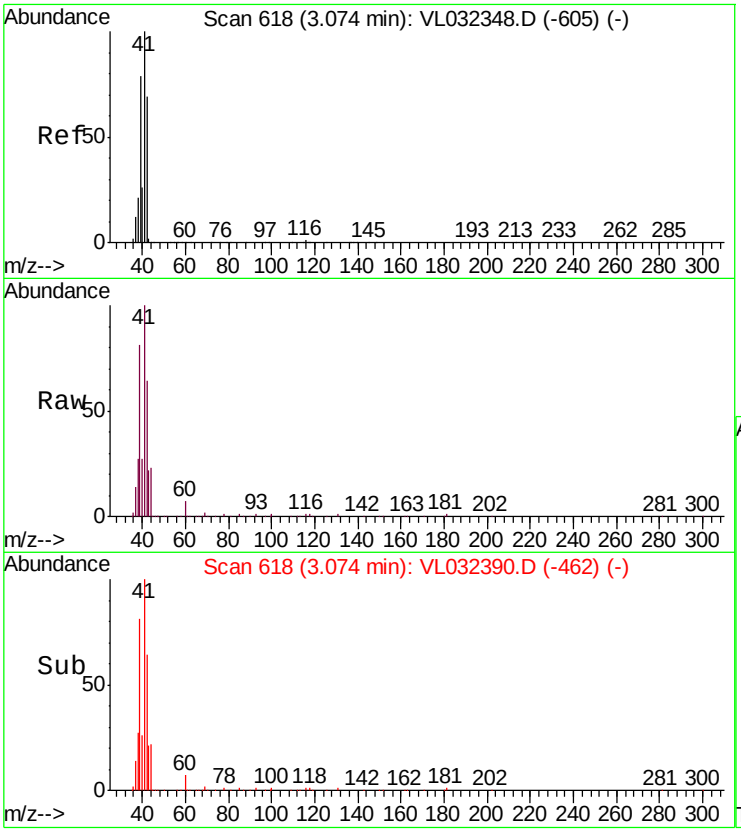


#4
Chloromethane
Concen: 0.073 ppbv
RT: 3.21 min Scan# 660
Delta R.T. -0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion: 50 Resp: 7409

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2



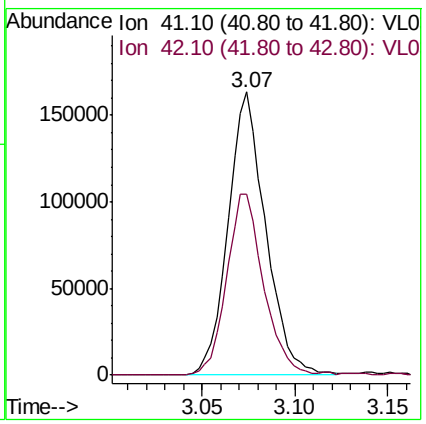


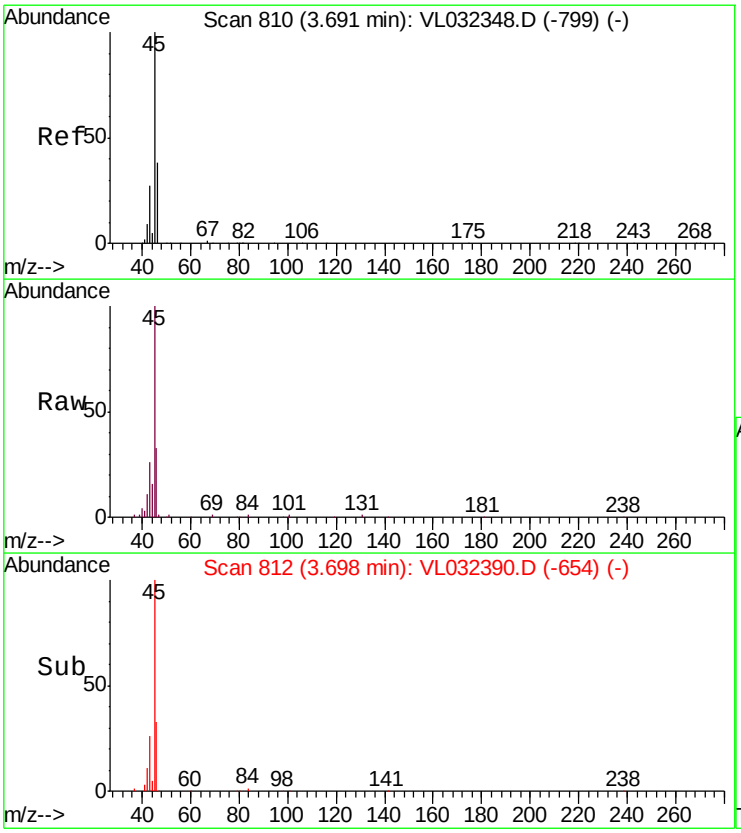
#9
Propene
Concen: 3.127 ppbv
RT: 3.07 min Scan# 618
Delta R.T. 0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion: 41 Resp: 228395

Ion	Ratio	Lower	Upper
41	100		
42	64.4	55.9	83.9

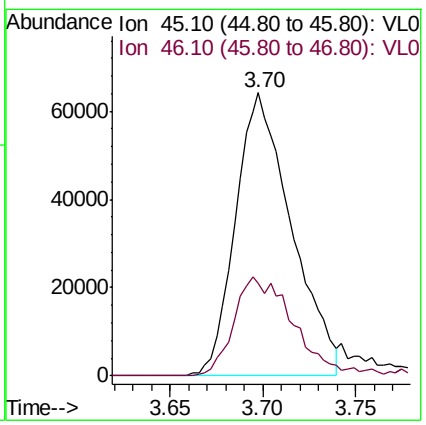


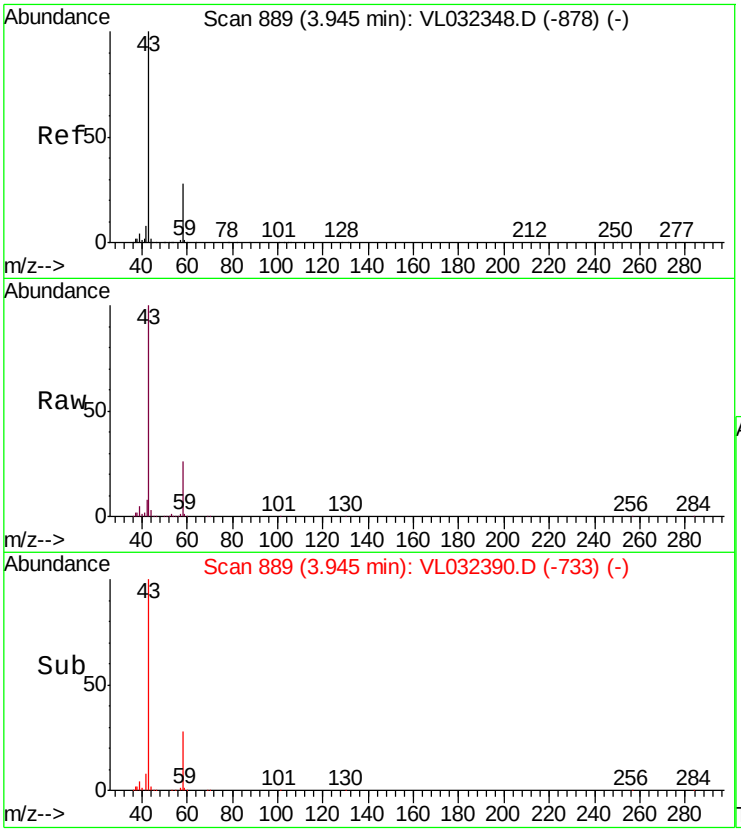


#13
Ethanol
Concen: 7.184 ppbv
RT: 3.70 min Scan# 812
Delta R.T. 0.01 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion: 45 Resp: 134762

Ion	Ratio	Lower	Upper
45	100		
46	38.4	15.6	62.4



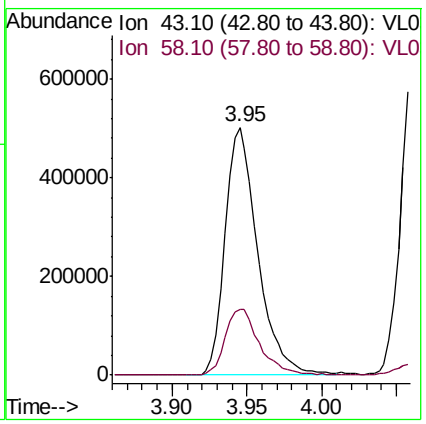


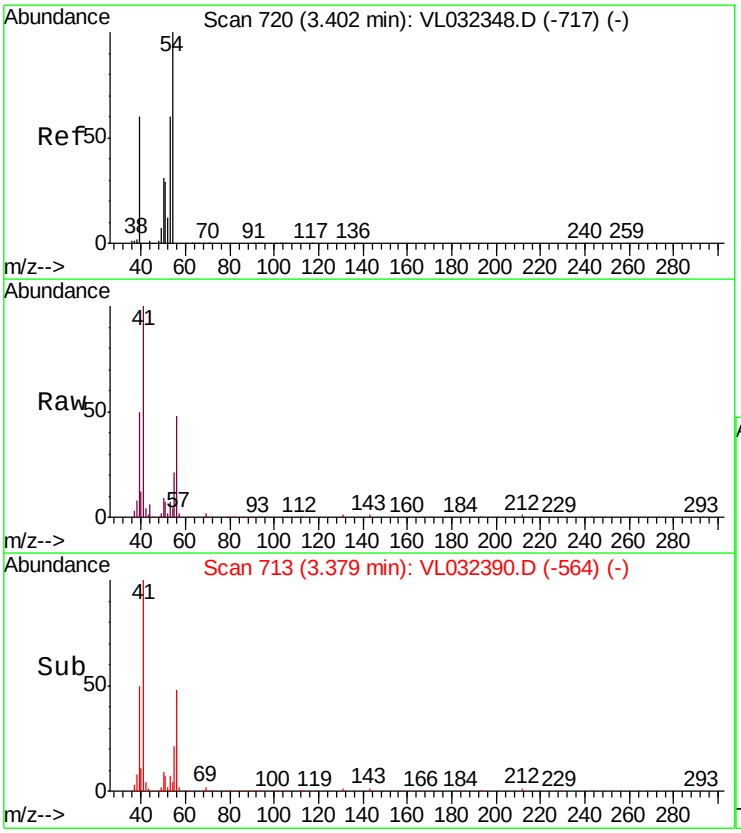
#15
Acetone
Concen: 4.360 ppbv
RT: 3.95 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion: 43 Resp: 763192

Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.4	33.6

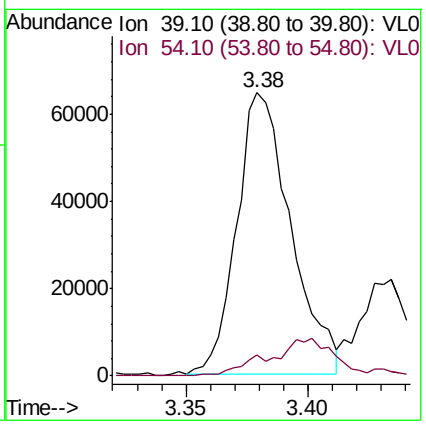


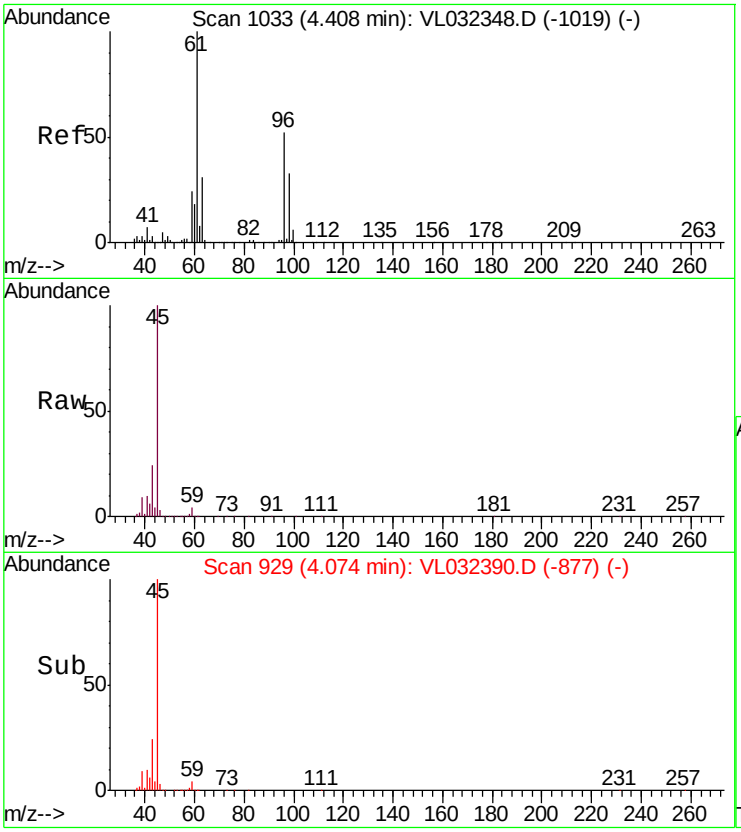


#16
1,3-Butadiene
Concen: 1.374 ppbv
RT: 3.38 min Scan# 713
Delta R.T. -0.02 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion: 39 Resp: 99299

Ion	Ratio	Lower	Upper
39	100		
54	17.2	85.5	128.3#



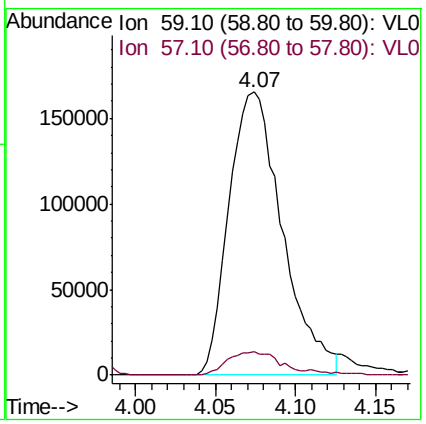


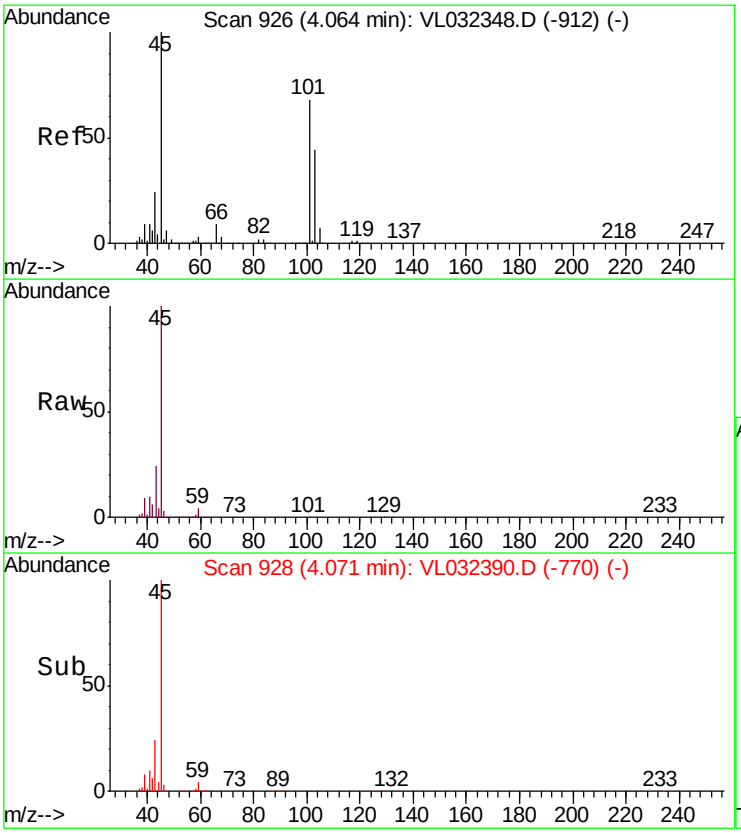
#17
tert-Butyl alcohol
Concen: 12.899 ppbv
RT: 4.07 min Scan# 929
Delta R.T. -0.33 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion: 59 Resp: 378850

Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.6	11.4

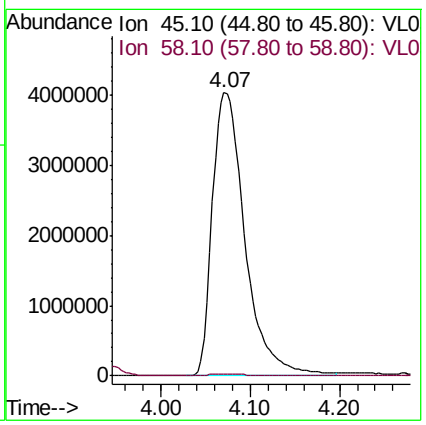


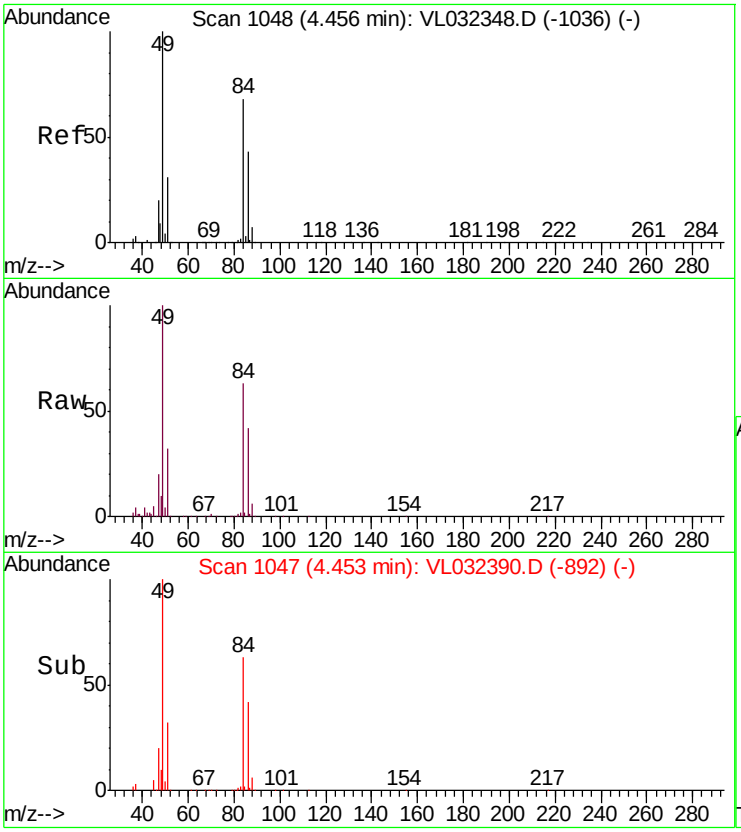


#19
Isopropyl Alcohol
Concen: 86.845 ppbv
RT: 4.07 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion: 45 Resp:10236117

Ion	Ratio	Lower	Upper
45	100		
58	0.9	1.4	2.0#



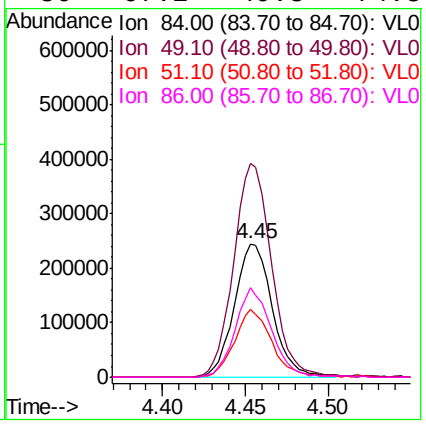


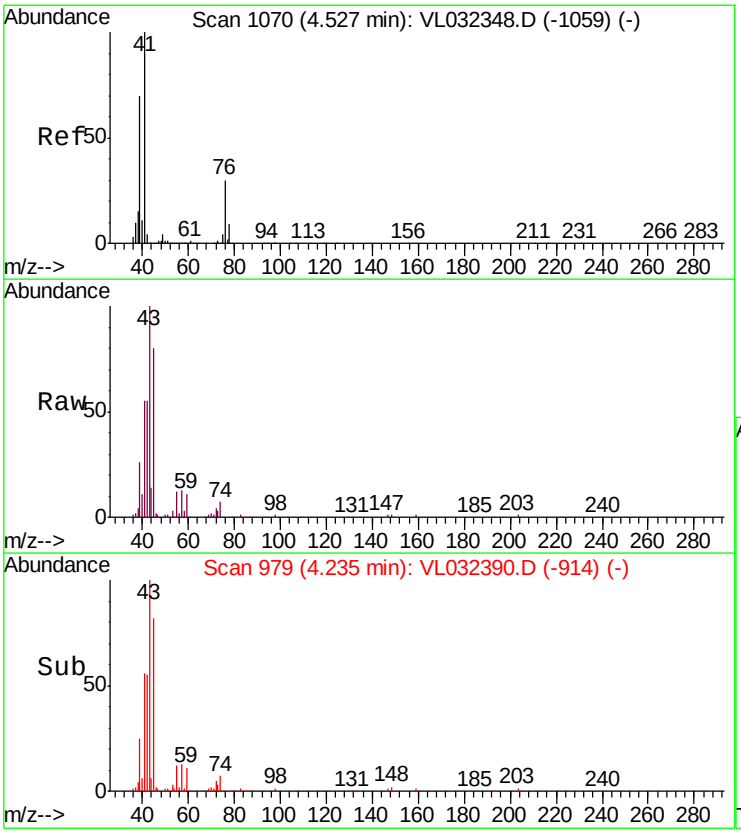
#20
Methylene Chloride
Concen: 5.893 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument : MSVOA_L
ClientSampleId : DUP1-MIVIDL

Tgt Ion: 84 Resp: 389583

Ion	Ratio	Lower	Upper
84	100		
49	159.5	117.3	175.9
51	50.6	36.6	55.0
86	67.2	49.8	74.8

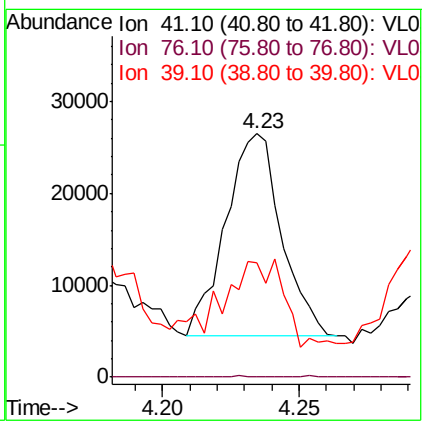


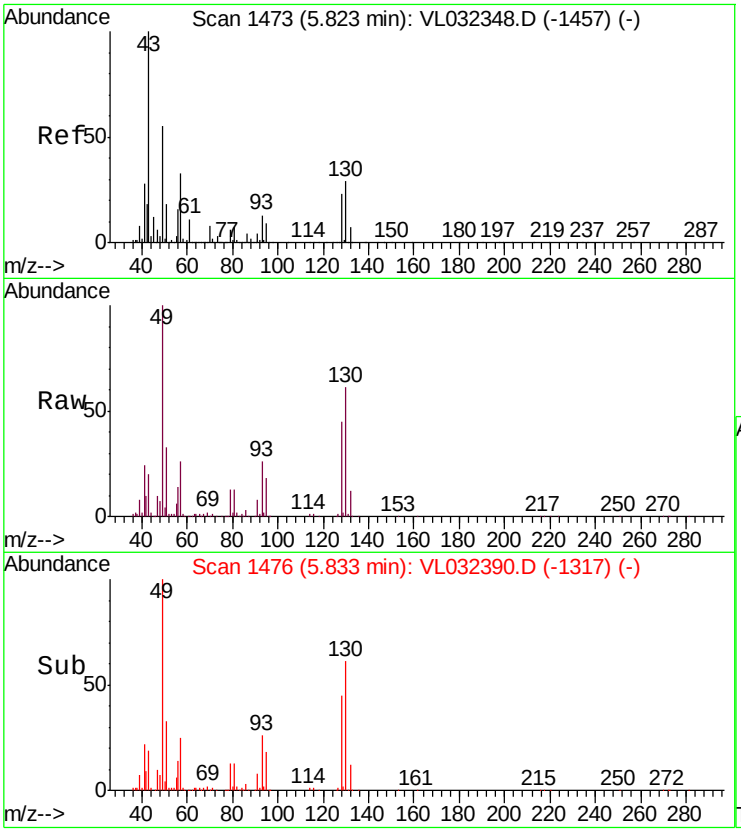


#21
Allyl Chloride
Concen: 0.284 ppbv
RT: 4.23 min Scan# 979
Delta R.T. -0.29 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion: 41 Resp: 31402

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	0.0	57.6	86.4#



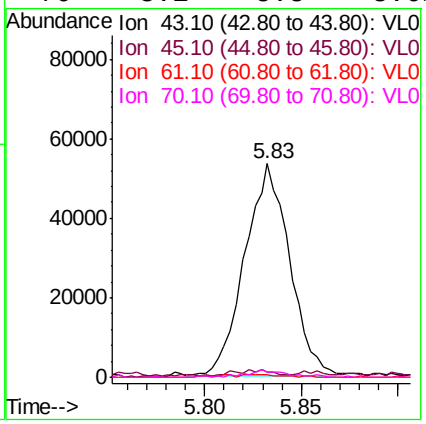


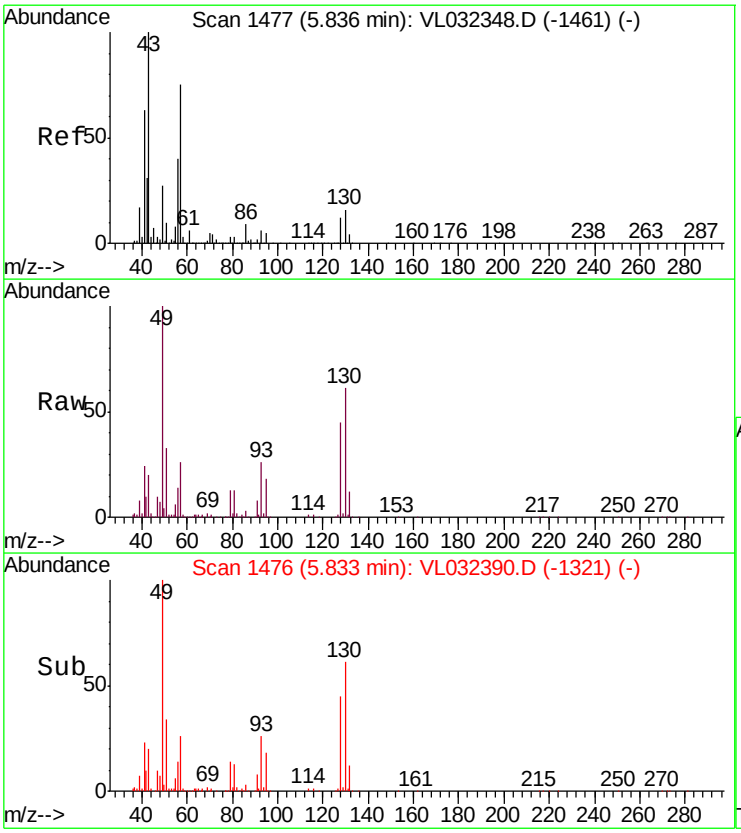
#25
Ethyl Acetate
Concen: 0.231 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion: 43 Resp: 86498

Ion	Ratio	Lower	Upper
43	100		
45	2.7	7.9	11.9#
61	1.7	7.4	11.2#
70	3.1	5.8	8.6#

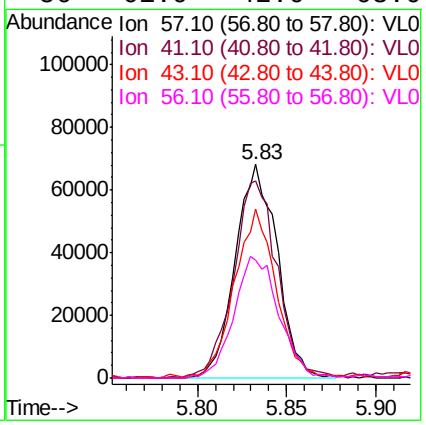


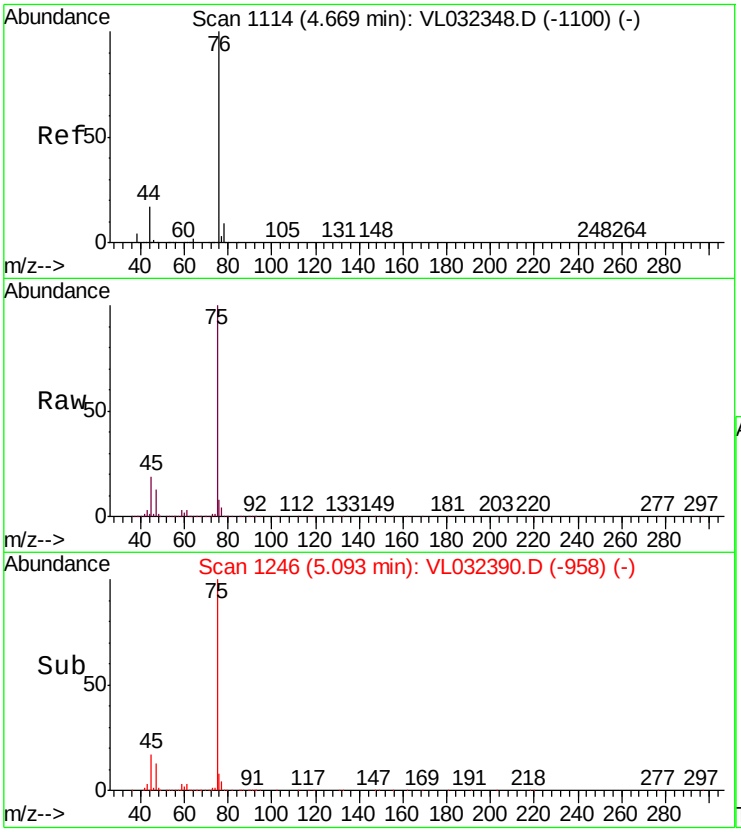


#26
Hexane
Concen: 0.669 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion: 57 Resp: 111853

Ion	Ratio	Lower	Upper
57	100		
41	97.4	68.0	102.0
43	80.6	175.3	262.9#
56	61.9	42.0	63.0



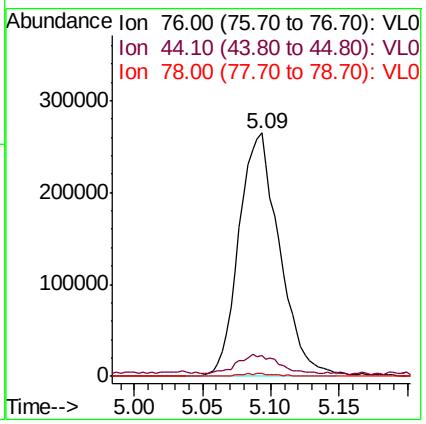


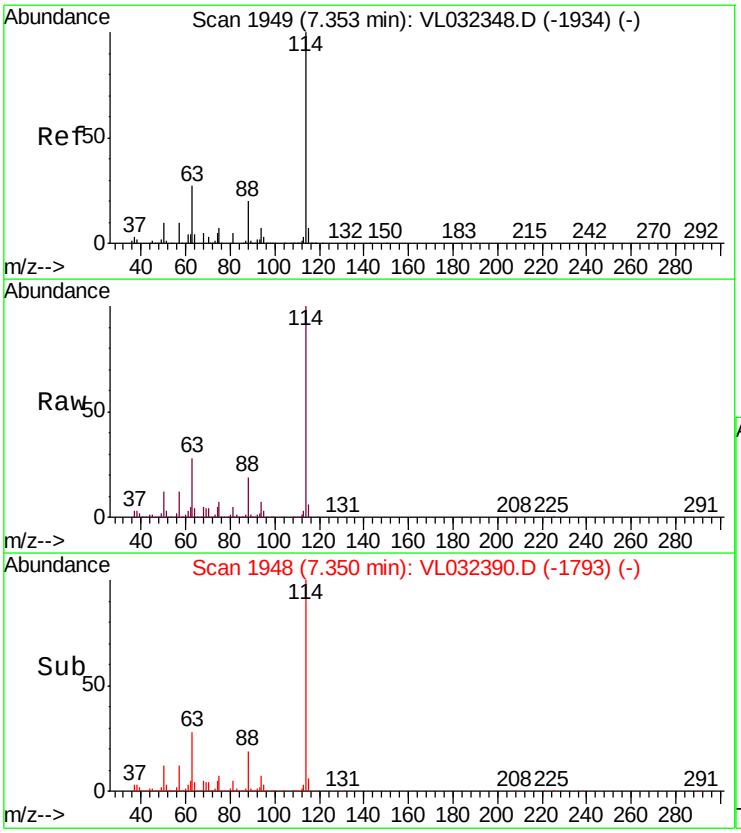
#27
Carbon Disulfide
Concen: 3.499 ppbv
RT: 5.09 min Scan# 1246
Delta R.T. 0.42 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion: 76 Resp: 546169

Ion	Ratio	Lower	Upper
76	100		
44	0.5	14.4	21.6#
78	0.0	7.4	11.0#

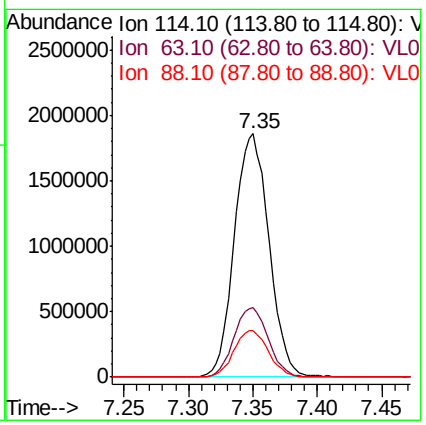


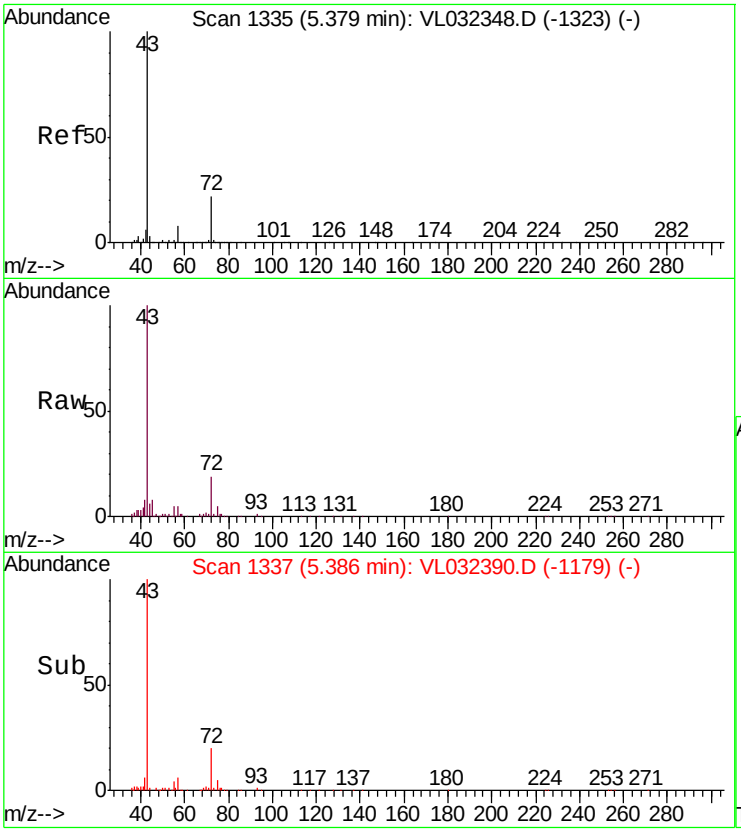


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion:114 Resp: 3474133

Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.0	33.0
88	19.0	15.3	22.9



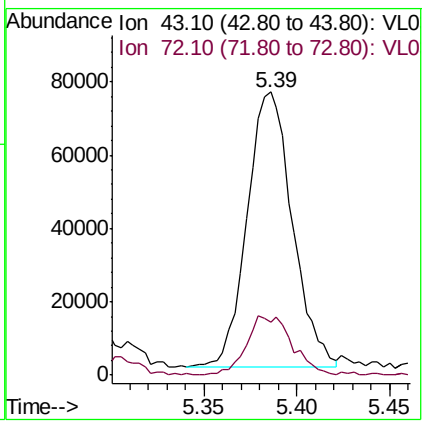


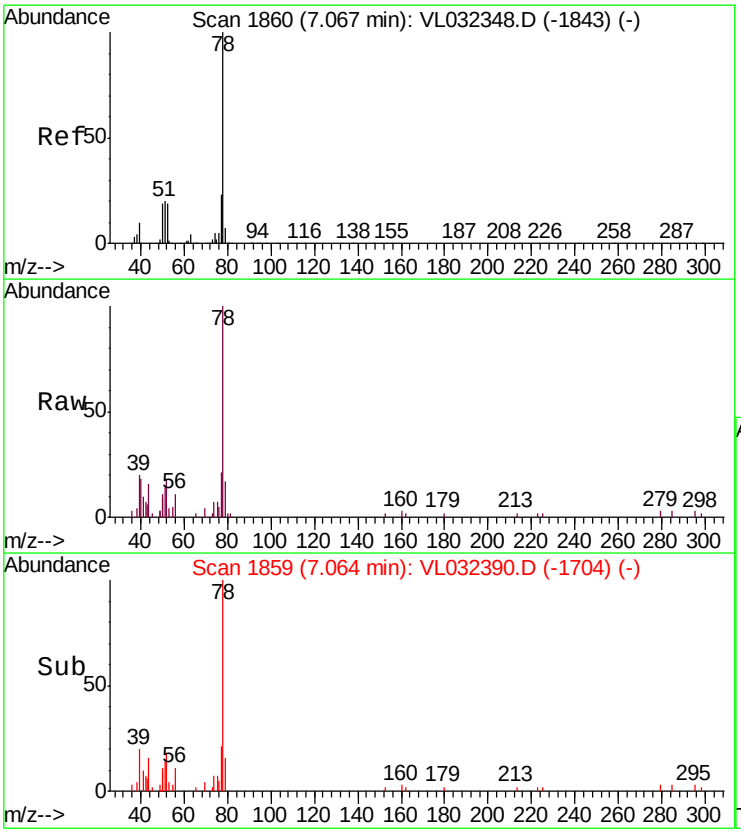
#34
2-Butanone
Concen: 0.537 ppbv
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument : MSVOA_L
ClientSampleId : DUP1-MIVIDL

Tgt Ion: 43 Resp: 126937

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.9	26.9

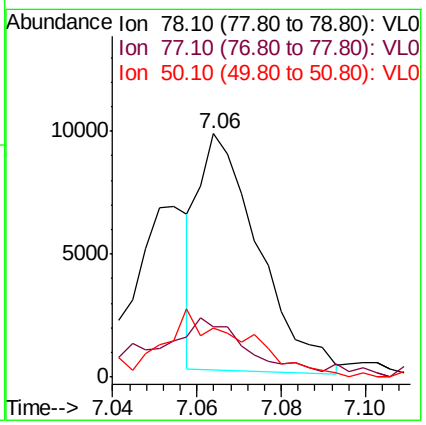


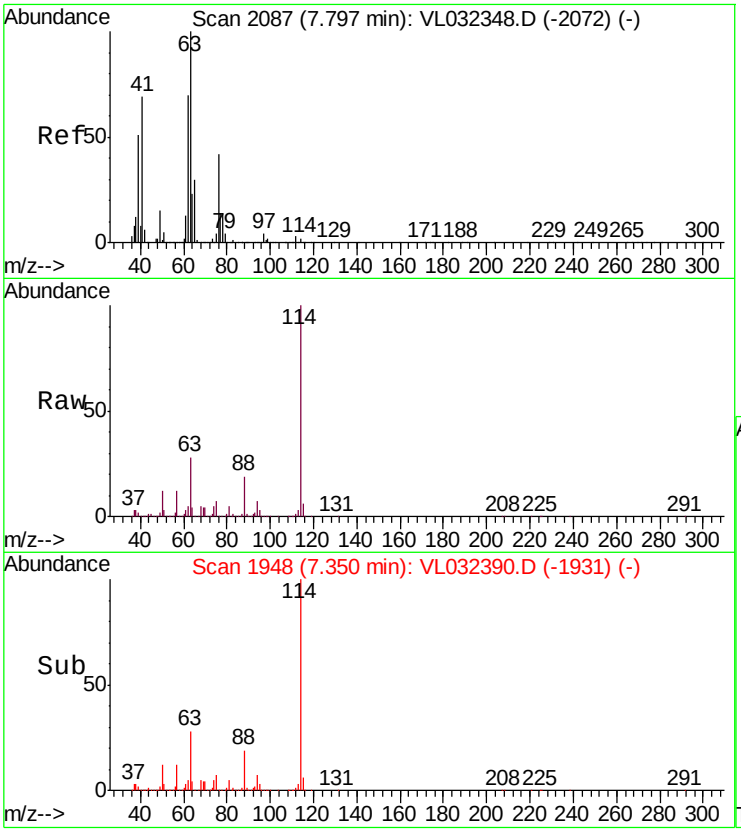


#36
Benzene
Concen: 0.032 ppbv
RT: 7.06 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion: 78 Resp: 9481

Ion	Ratio	Lower	Upper
78	100		
77	16.5	18.0	27.0#
50	19.0	15.1	22.7



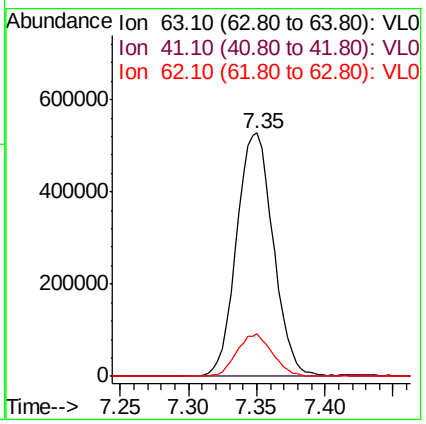


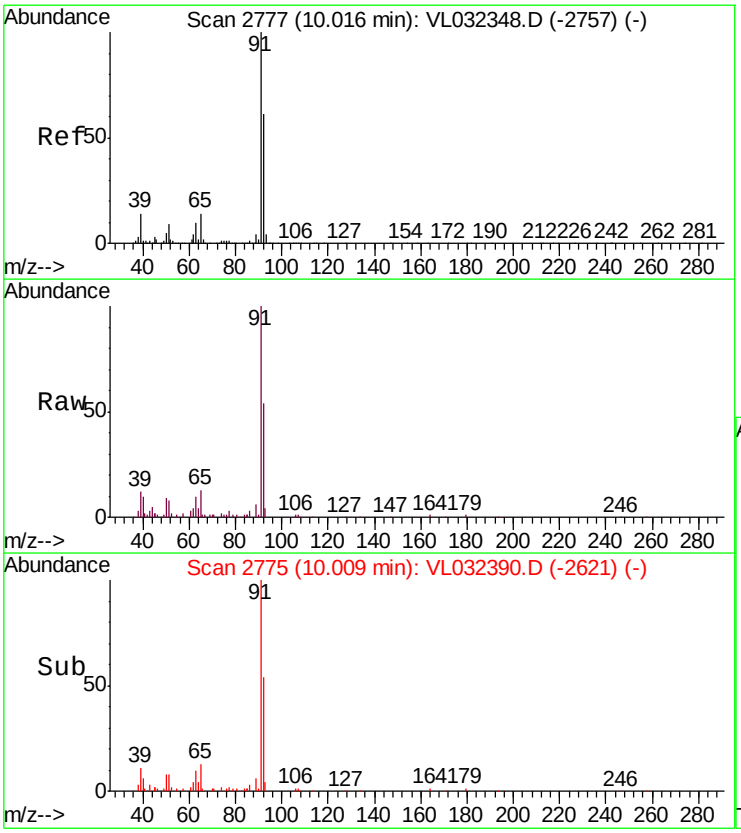
#39
1,2-Dichloropropane
Concen: 7.980 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.45 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion: 63 Resp: 981847

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.5	83.3#
62	17.7	56.3	84.5#

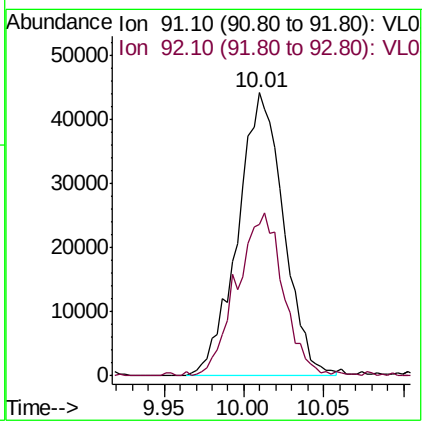


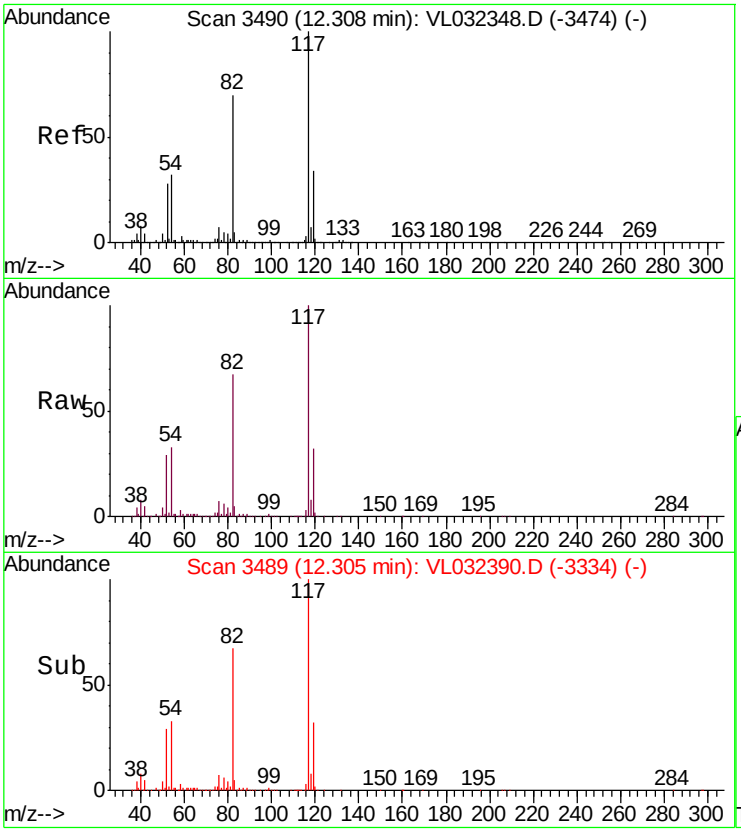


#53
Toluene
Concen: 0.270 ppbv
RT: 10.01 min Scan# 2775
Delta R.T. -0.01 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion: 91 Resp: 87028

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.7	73.1



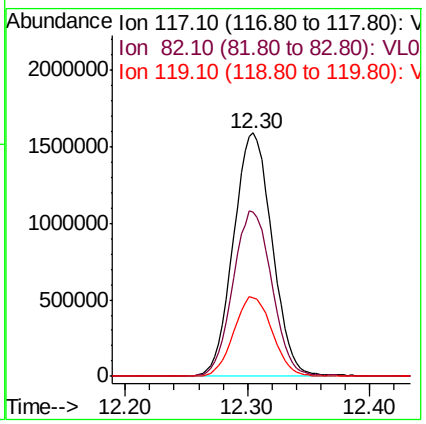


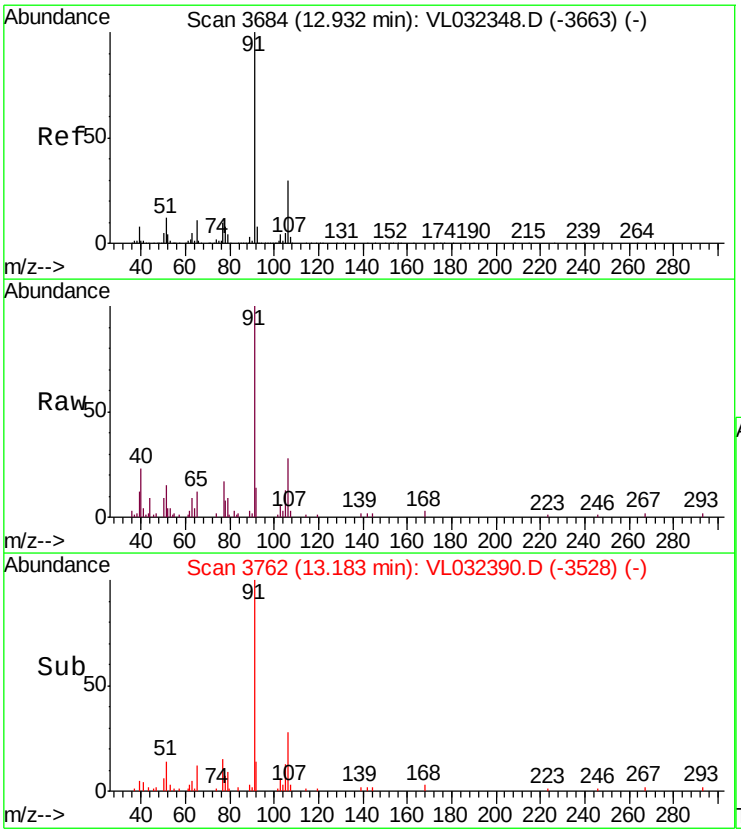
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.30 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion:117 Resp: 3485590

Ion	Ratio	Lower	Upper
117	100		
82	68.8	55.1	82.7
119	32.6	46.0	69.0#

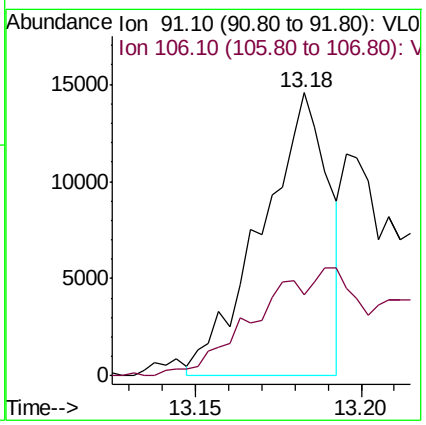


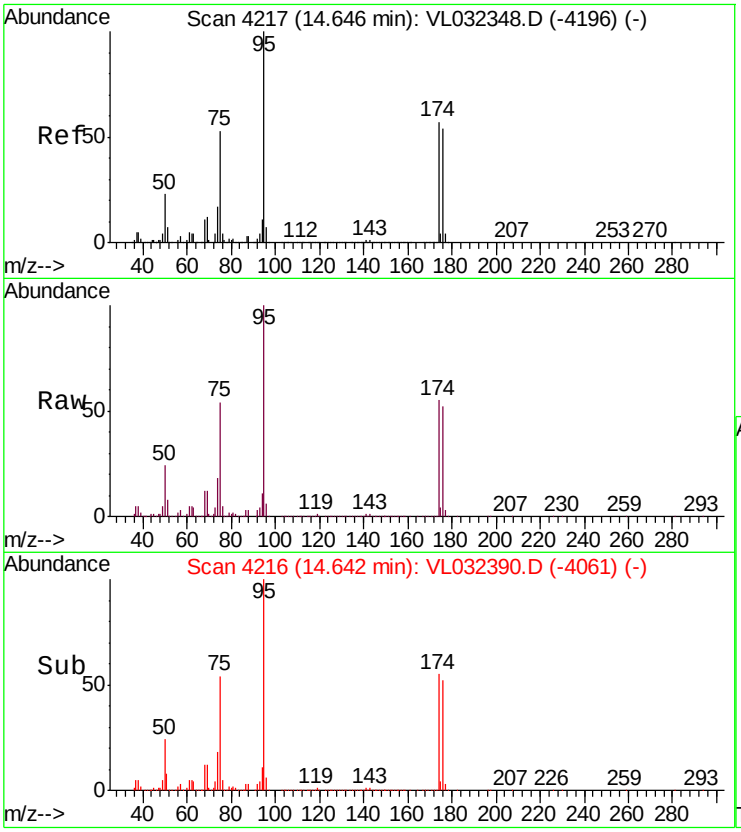


#58
Ethyl Benzene
Concen: 0.049 ppbv
RT: 13.18 min Scan# 3762
Delta R.T. 0.25 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion: 91 Resp: 20564

Ion	Ratio	Lower	Upper
91	100		
106	26.8	24.3	36.5



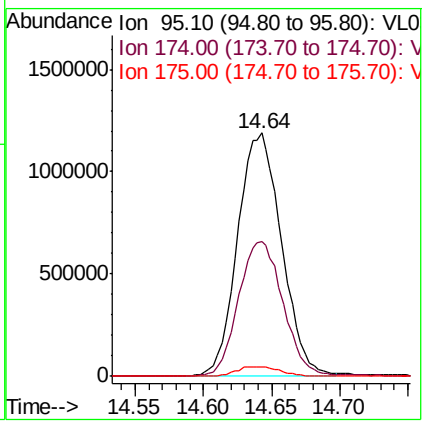


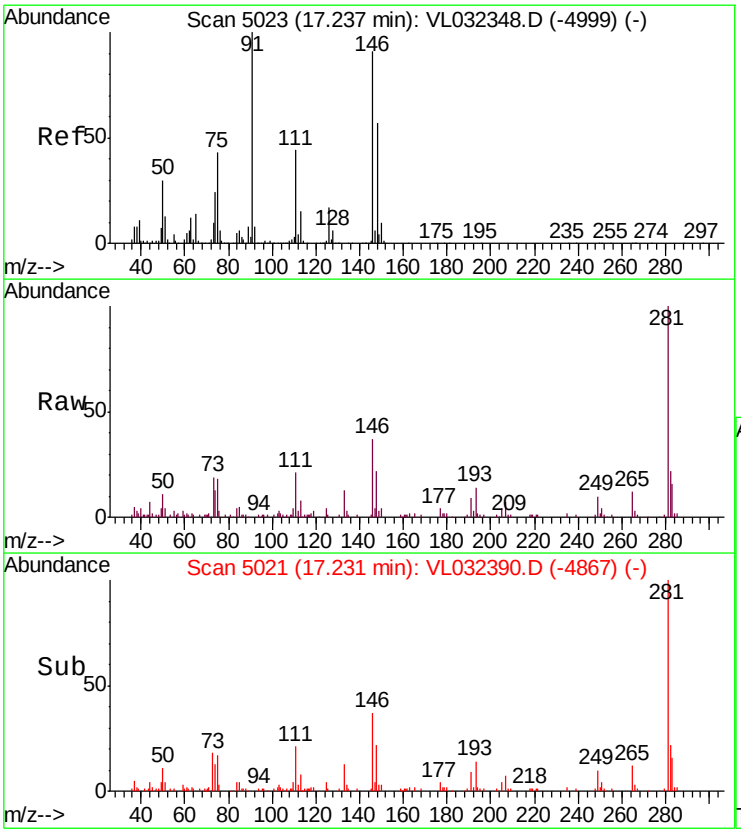
#68
1-Bromo-4-Fluorobenzene
Concen: 9.954 ppbv
RT: 14.64 min Scan# 4216
Delta R.T. -0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion: 95 Resp: 2646911

Ion	Ratio	Lower	Upper
95	100		
174	57.1	46.2	69.4
175	4.1	3.4	5.0

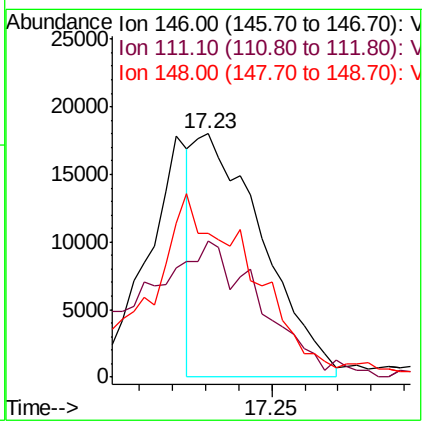


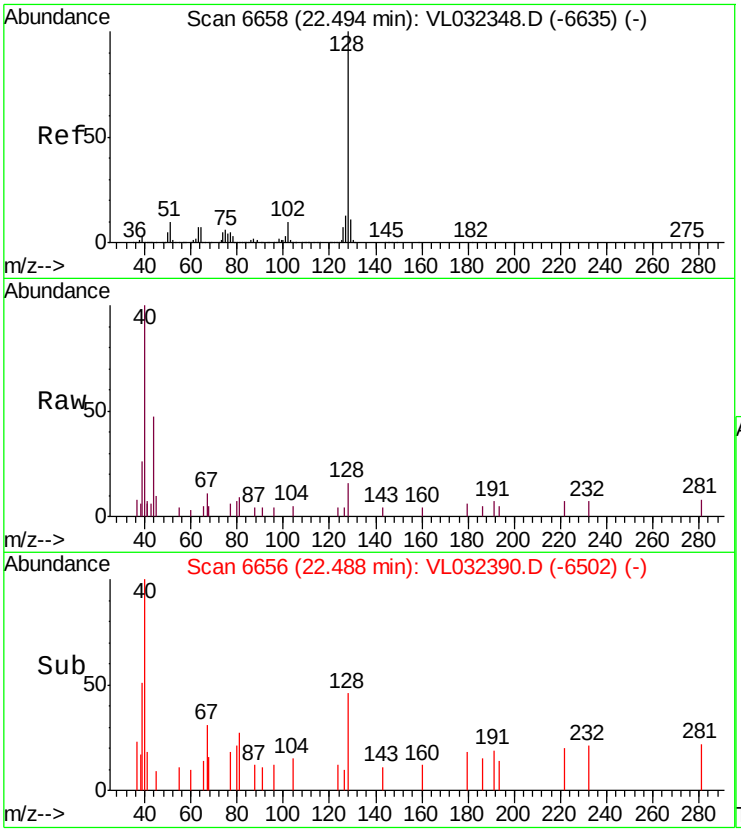


#75
1,3-Dichlorobenzene
Concen: 0.108 ppbv
RT: 17.23 min Scan# 5021
Delta R.T. -0.01 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion:146 Resp: 25854

Ion	Ratio	Lower	Upper
146	100		
111	88.5	24.6	73.8#
148	0.0	32.0	96.0#





#79
Naphthalene
Concen: 0.329 ppbv
RT: 22.49 min Scan# 6656
Delta R.T. -0.01 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tgt Ion:128 Resp: 563

Ion	Ratio	Lower	Upper
128	100		
127	154.8	10.3	15.5#
129	0.0	8.6	13.0#