Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

Quantitation Report (Not Reviewed)

Data File : VL032681.D
Acq On : 19 Oct 2018 12:58
Operator : SY/AP
Sample : J5581-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : D-2

Quant Time: Oct 19 23:13:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.78	49	1430793	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	3285064	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.26	117	3263776	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2441422	10.05	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	40494	0.278	ppbv		96
3) Chlorodifluoromethane	3.00	51	2608825	23.315	ppbv	#	58
4) Chloromethane	3.18	50	33926	0.543	ppbv		93
9) Propene	3.25	41	162526	3.529	ppbv		95
10) Heptane	8.26	43	6983	0.039	ppbv	#	23
11) Trichlorofluoromethane	4.02	101	40481	0.213	ppbv		90
12) 1,1,2-Trichlorotrifluoroet	4.56	101	4722	0.030	ppbv	#	17
13) Ethanol	3.68	45	5473017	415.846	ppbv		97
15) Acetone	3.91	43	1167371	8.836	ppbv		100
16) 1,3-Butadiene	3.35	39	3313	0.068	ppbv	#	27
17) tert-Butyl alcohol	4.39	59	10281	0.265	ppbv	#	100
19) Isopropyl Alcohol	4.05	45	2050310	21.790	ppbv	#	97
20) Methylene Chloride	4.42	84	154589	2.305	ppbv		96
21) Allyl Chloride	4.43	41	2639	0.024	ppbv	#	21
23) Vinyl Acetate	5.16	43	55346	0.236	ppbv	#	68
25) Ethyl Acetate	5.80	43	430820	1.417	ppbv	#	87
26) Hexane	5.79	57	460604	3.201	ppbv	#	52
34) 2-Butanone	5.35	43	80863	0.459	ppbv		97
35) Carbon Tetrachloride	7.15	117	12504	0.054	ppbv		95
36) Benzene	7.02	78	41031	0.154	ppbv	#	92
37) 1,2-Dichloroethane	6.43	62	5747	0.035	ppbv	#	62
39) 1,2-Dichloropropane	7.31	63	822047	7.980	ppbv	#	26
41) Tetrahydrofuran	5.79	42	183875	1.874	ppbv	#	49
44) 2,2,4-Trimethylpentane	8.00	57	9139	0.020	ppbv	#	1
53) Toluene	9.96	91	2381268	7.787	ppbv		98
58) Ethyl Benzene	12.88	91	12067	0.032	ppbv		99
59) m/p-Xylene	13.16	91	9747	0.029	ppbv	#	31
74) 1,2,4-Trimethylbenzene	16.95	105	27884	0.077	ppbv	#	78

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

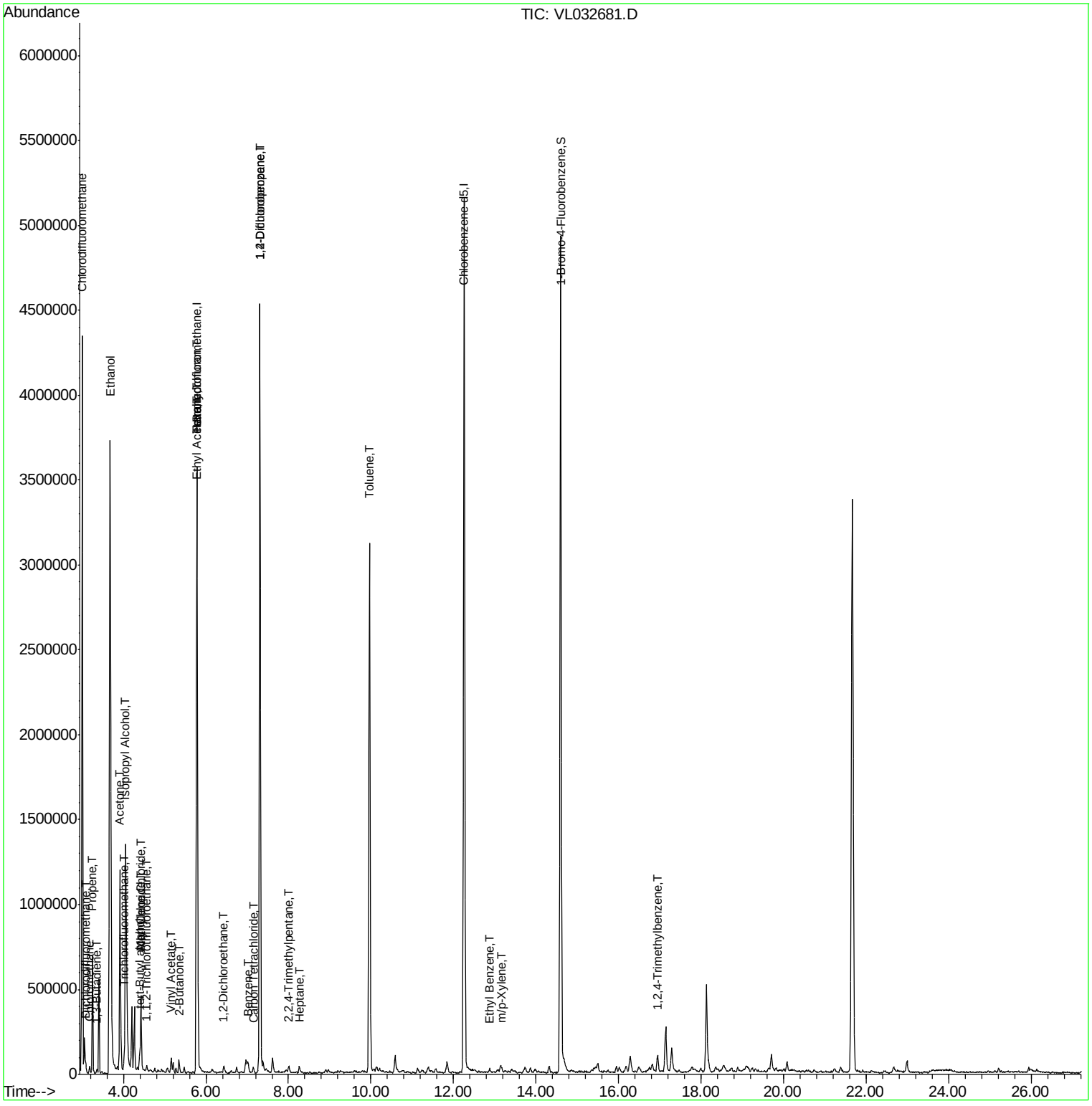
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

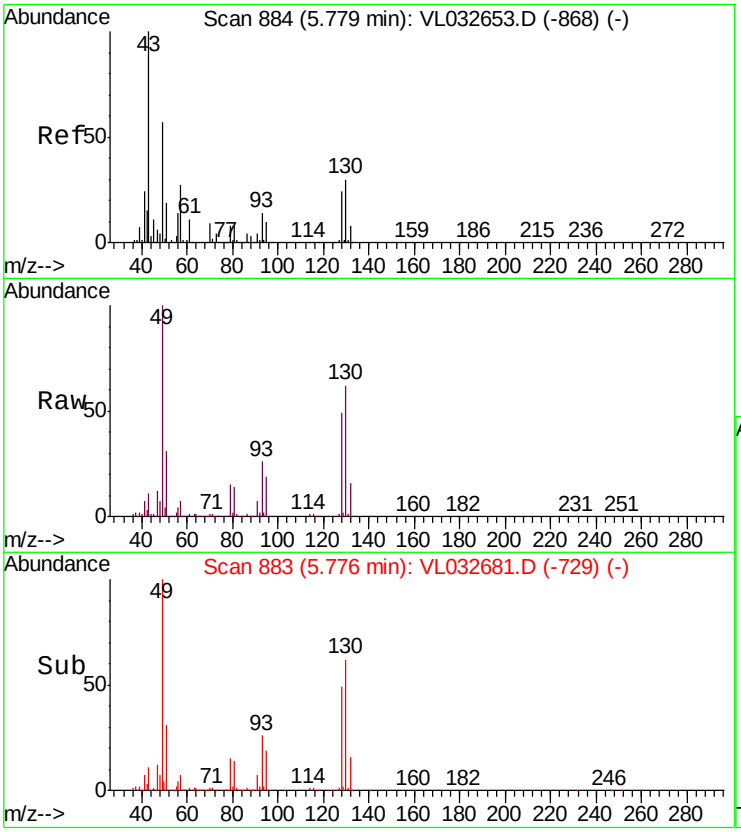
Quantitation Report (Not Reviewed)

Data File : VL032681.D
Acq On : 19 Oct 2018 12:58
Operator : SY/AP
Sample : J5581-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : D-2

Quant Time: Oct 19 23:13:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration



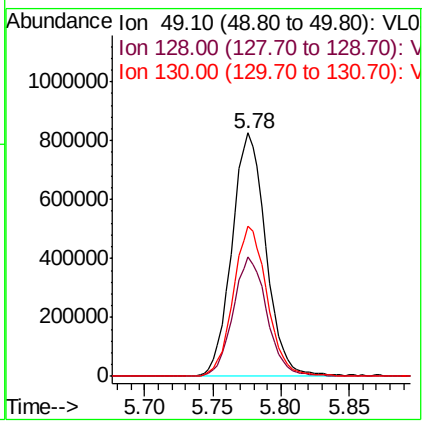


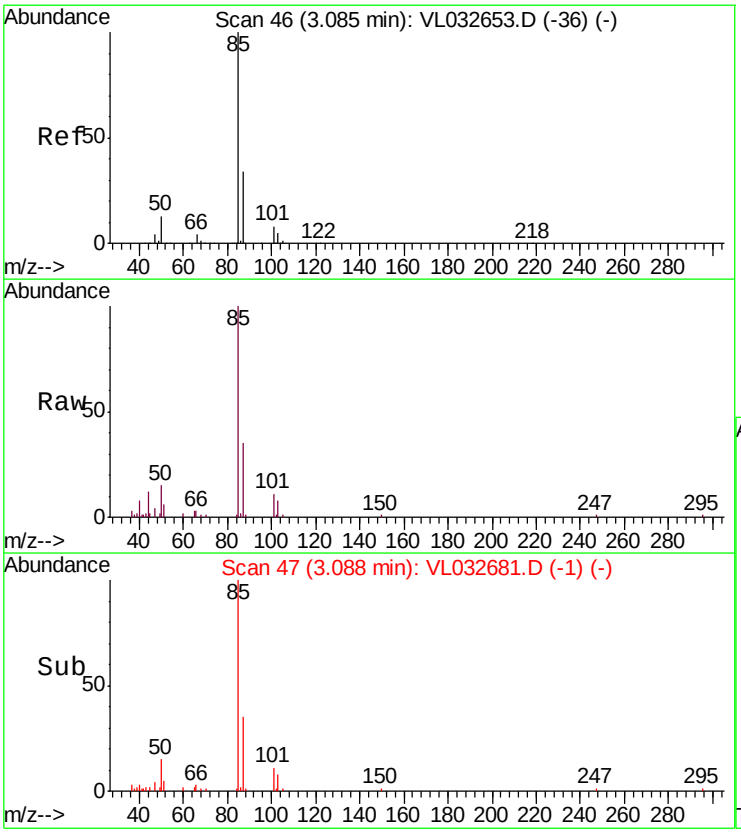
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument :
MSVOA_L
ClientSampleId :
D-2

Tgt Ion: 49 Resp: 1430793

Ion	Ratio	Lower	Upper
49	100		
128	49.1	22.3	66.8
130	62.1	28.4	85.3

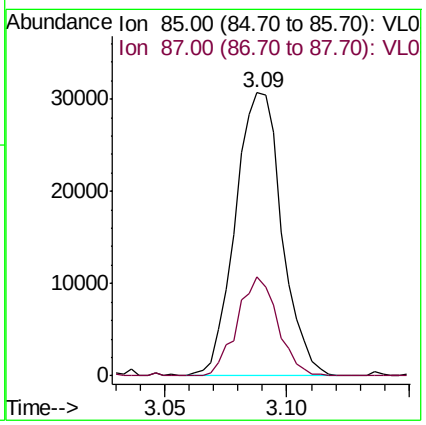


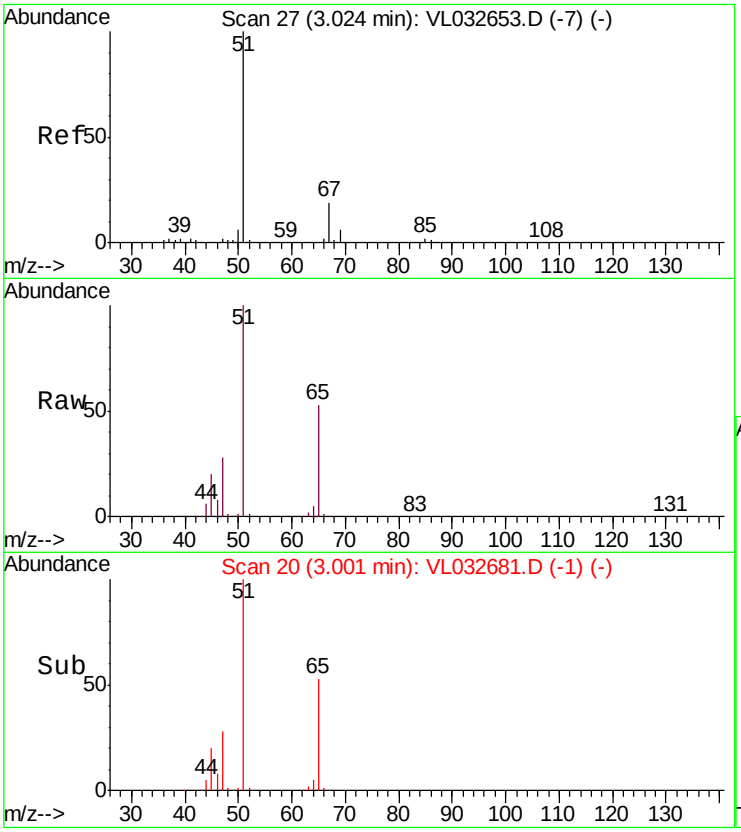


#2
Dichlorodifluoromethane
Concen: 0.278 ppbv
RT: 3.09 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 85 Resp: 40494

Ion	Ratio	Lower	Upper
85	100		
87	35.2	26.2	39.2



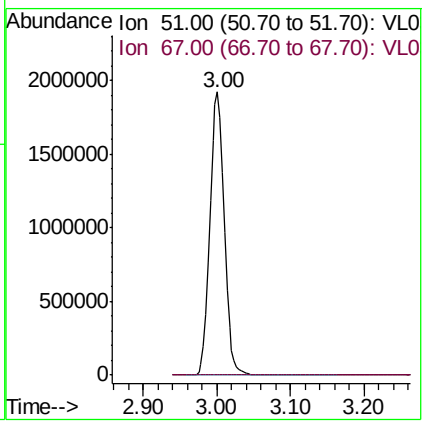


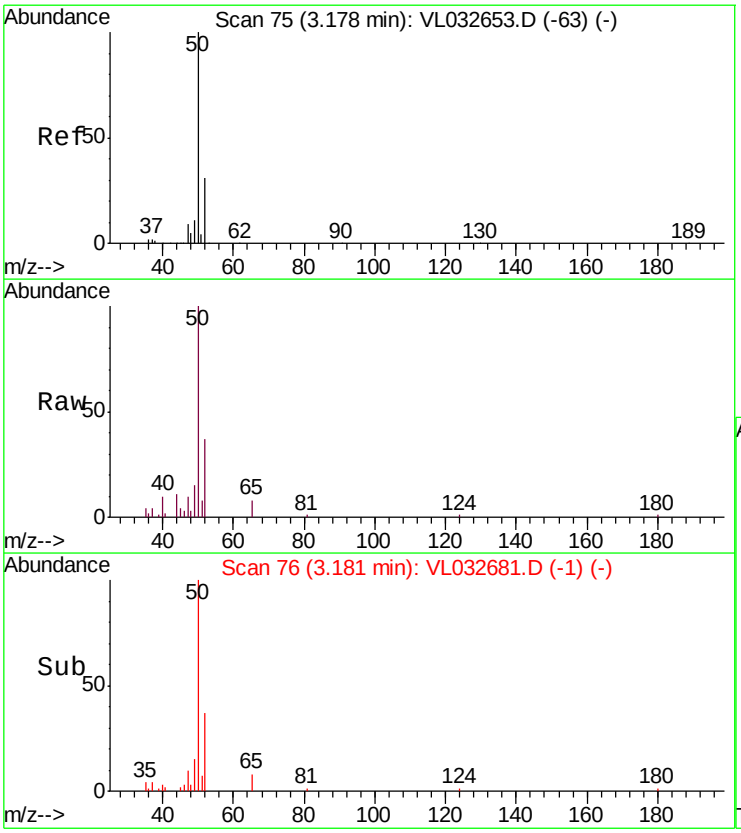
#3
Chlorodifluoromethane
Concen: 23.315 ppbv
RT: 3.00 min Scan# 20
Delta R.T. -0.02 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument : MSVOA_L
ClientSampleId : D-2

Tgt Ion: 51 Resp: 2608825

Ion	Ratio	Lower	Upper
51	100		
67	0.3	15.2	22.8#

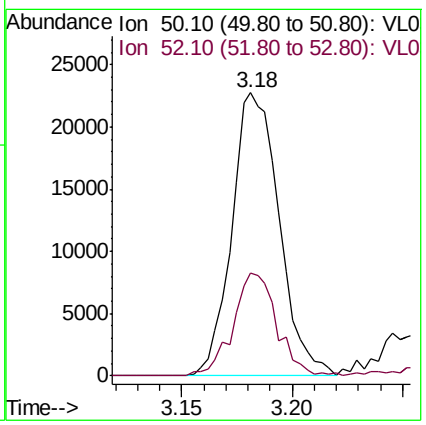


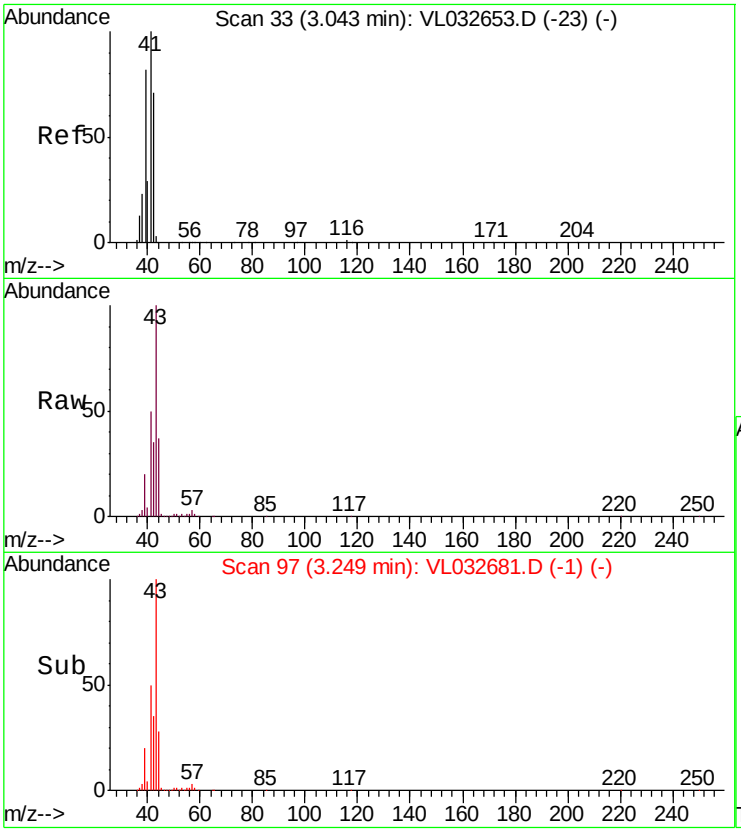


#4
Chloromethane
Concen: 0.543 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 50 Resp: 33926

Ion	Ratio	Lower	Upper
50	100		
52	36.6	25.9	38.9



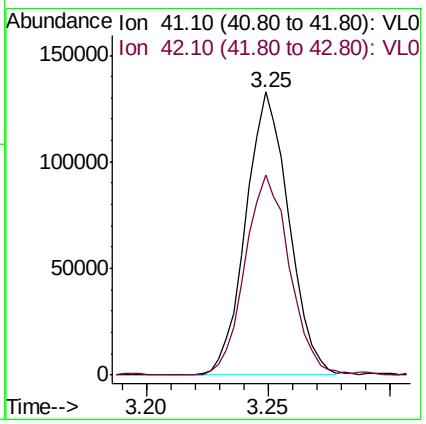


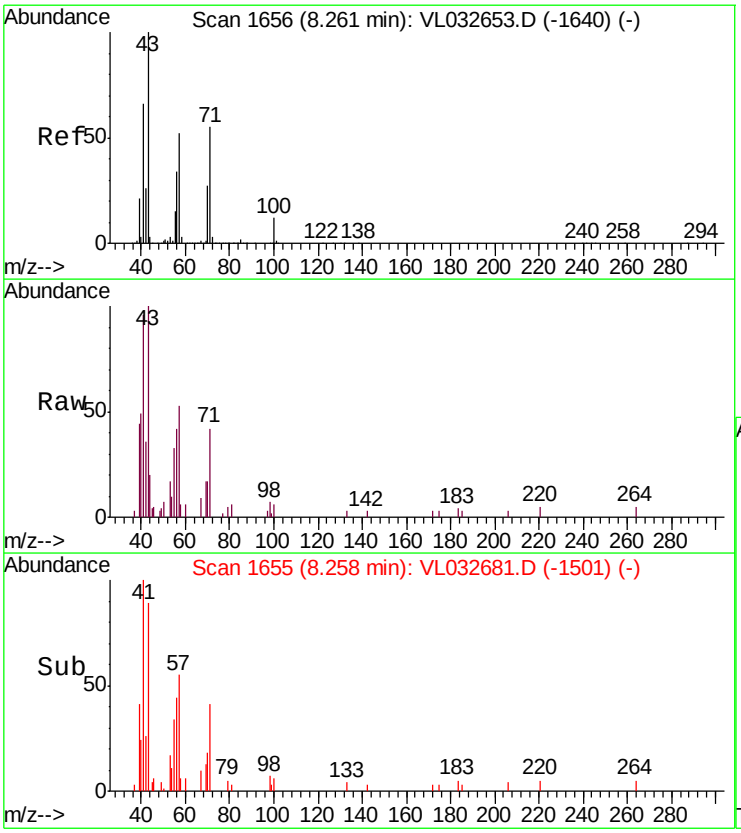
#9
Propene
Concen: 3.529 ppbv
RT: 3.25 min Scan# 97
Delta R.T. 0.21 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument :
MSVOA_L
ClientSampleId :
D-2

Tgt Ion: 41 Resp: 162526

Ion	Ratio	Lower	Upper
41	100		
42	72.9	55.4	83.0

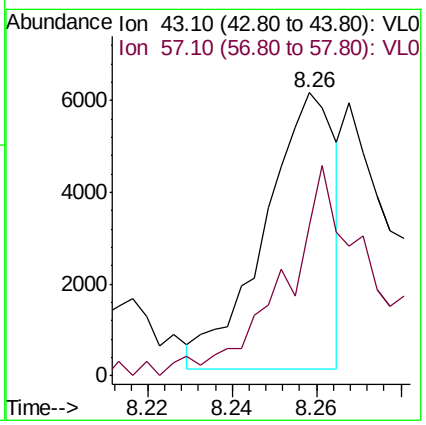


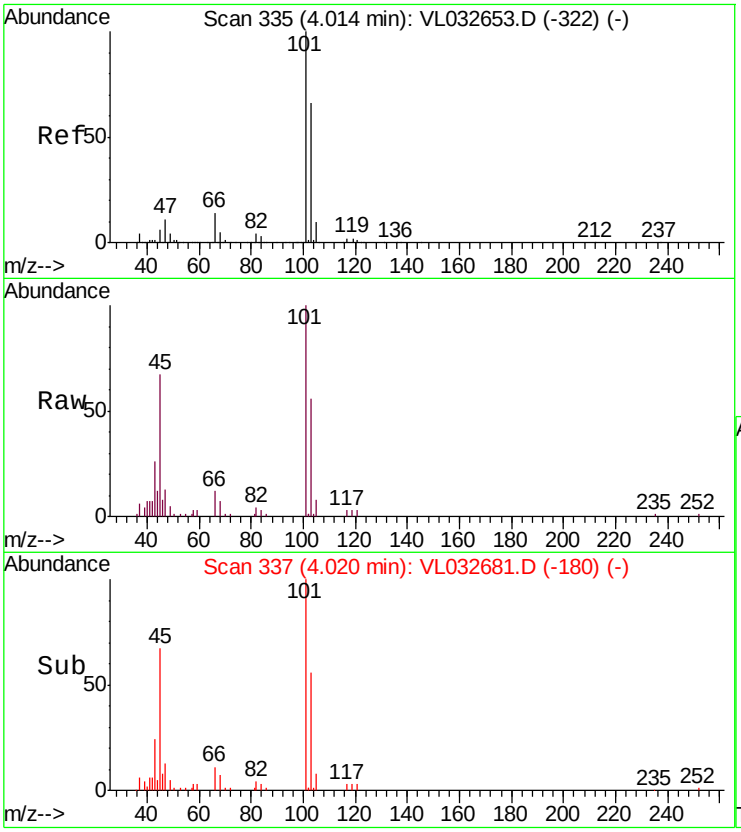


#10
Heptane
Concen: 0.039 ppbv
RT: 8.26 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 43 Resp: 6983

Ion	Ratio	Lower	Upper
43	100		
57	105.7	41.5	62.3#



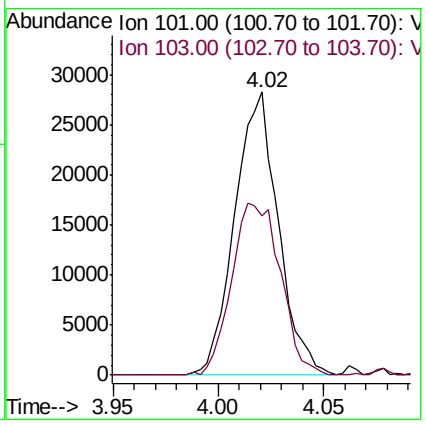


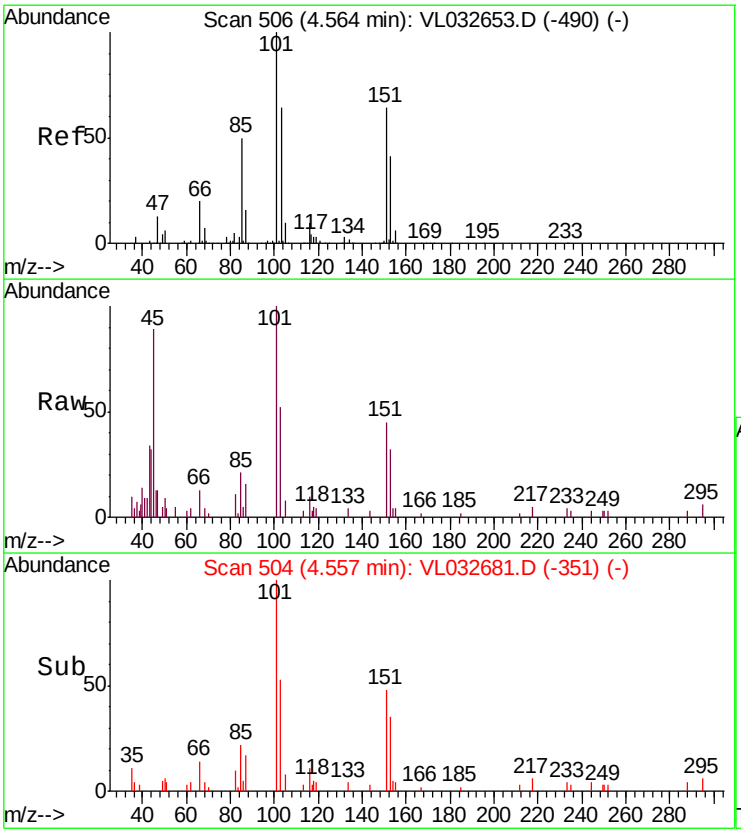
#11
Trichlorofluoromethane
Concen: 0.213 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument :
MSVOA_L
ClientSampleId :
D-2

Tgt Ion:101 Resp: 40481

Ion	Ratio	Lower	Upper
101	100		
103	56.1	51.4	77.2

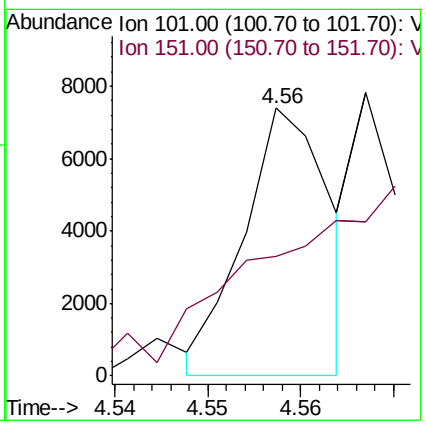


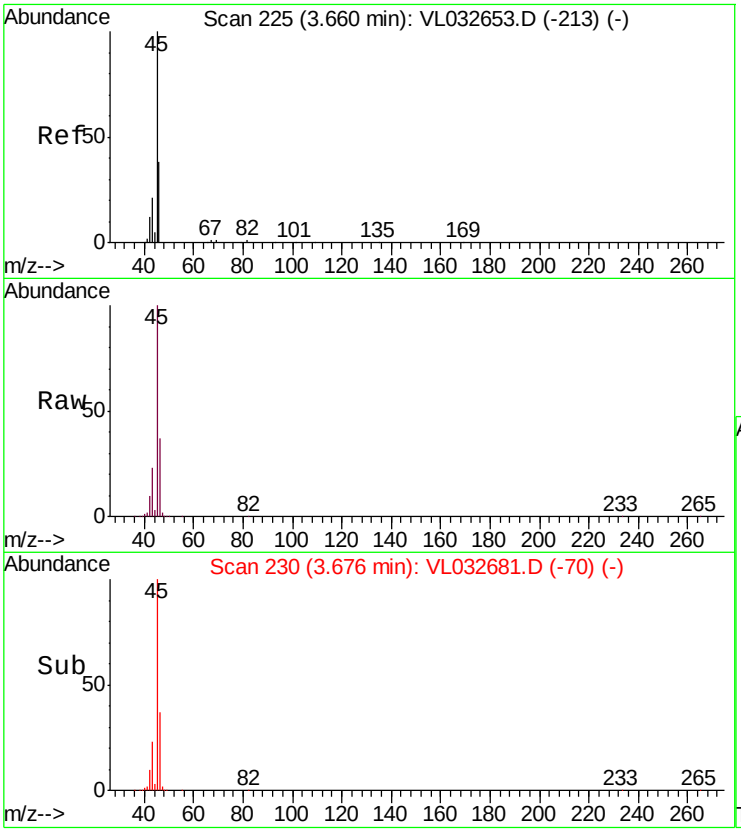


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.030 ppbv
RT: 4.56 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion:101 Resp: 4722

Ion	Ratio	Lower	Upper
101	100		
151	0.0	52.3	78.5#



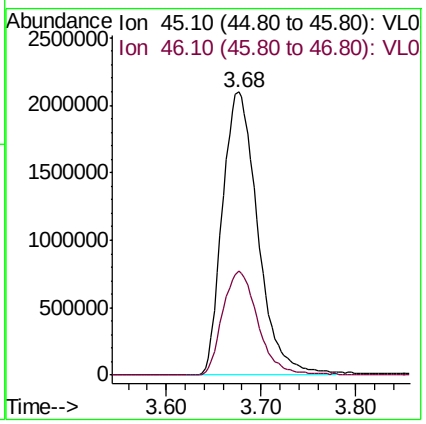


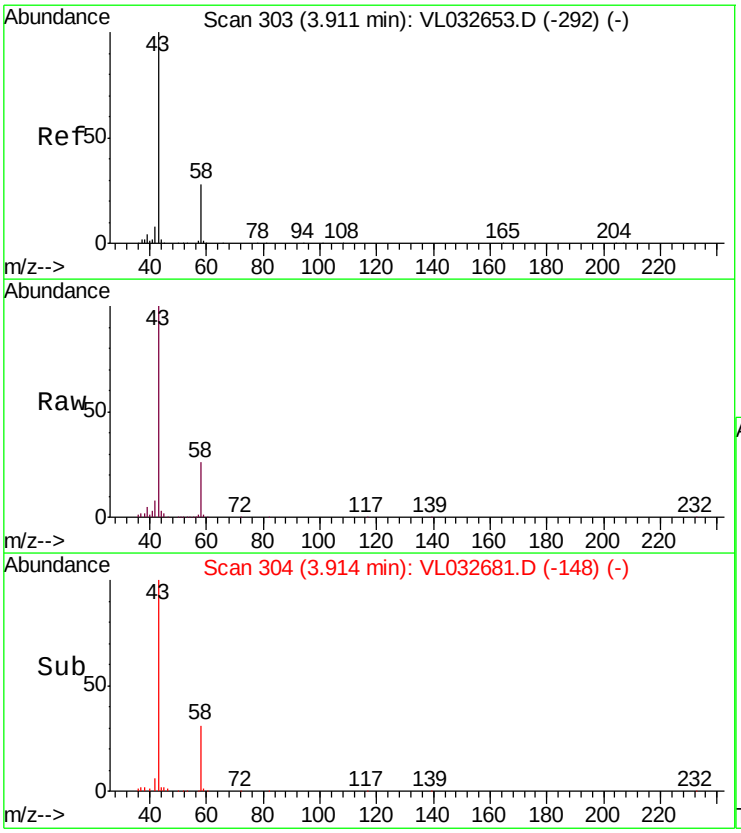
#13
Ethanol
Concen: 415.846 ppbv
RT: 3.68 min Scan# 230
Delta R.T. 0.02 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument :
MSVOA_L
ClientSampleId :
D-2

Tgt Ion: 45 Resp: 5473017

Ion	Ratio	Lower	Upper
45	100		
46	36.7	15.4	61.8

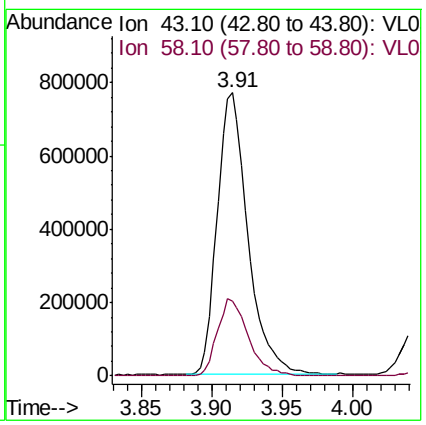


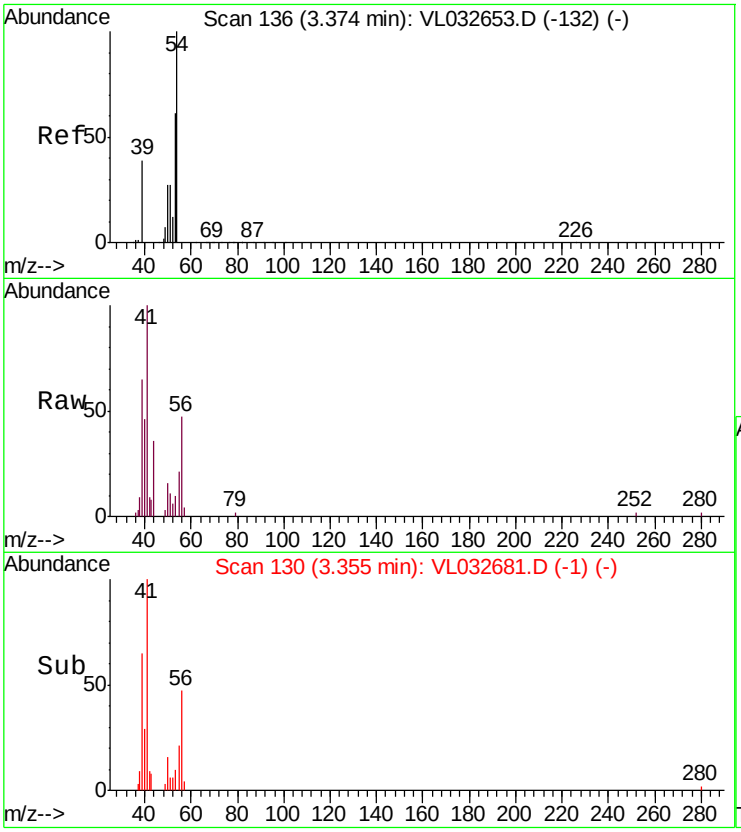


#15
Acetone
Concen: 8.836 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 43 Resp: 1167371

Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.1	33.1



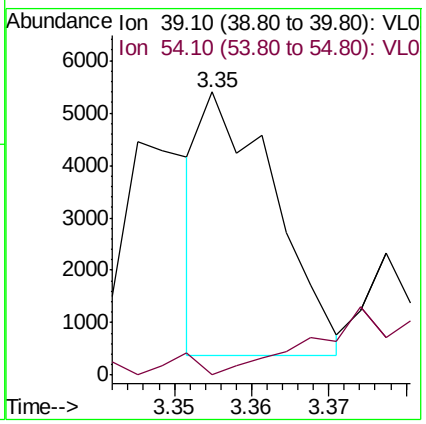


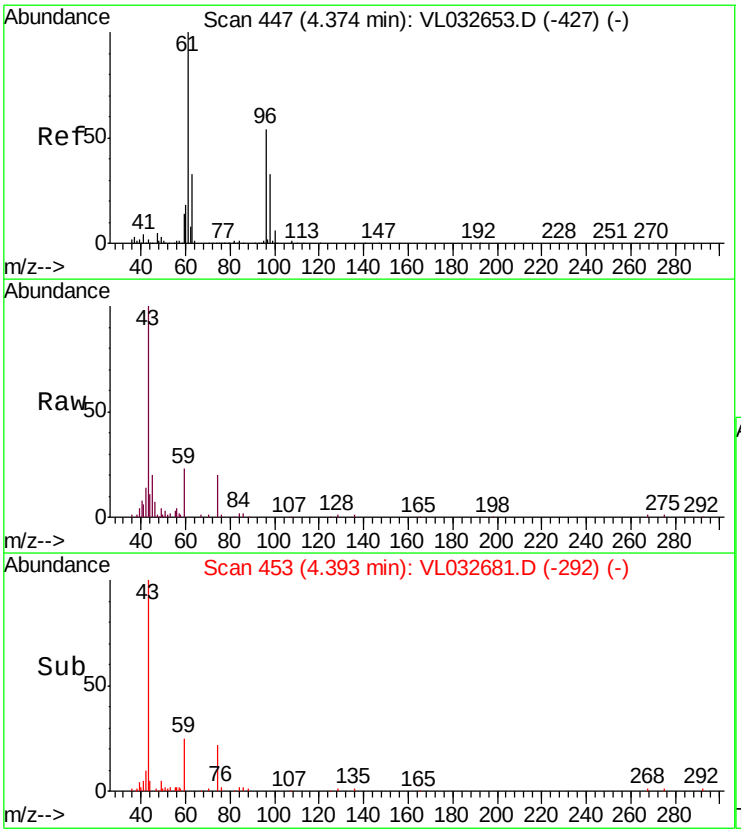
#16
1,3-Butadiene
Concen: 0.068 ppbv
RT: 3.35 min Scan# 130
Delta R.T. -0.02 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument :
MSVOA_L
ClientSampleId :
D-2

Tgt Ion: 39 Resp: 3313

Ion	Ratio	Lower	Upper
39	100		
54	34.8	90.4	135.6#

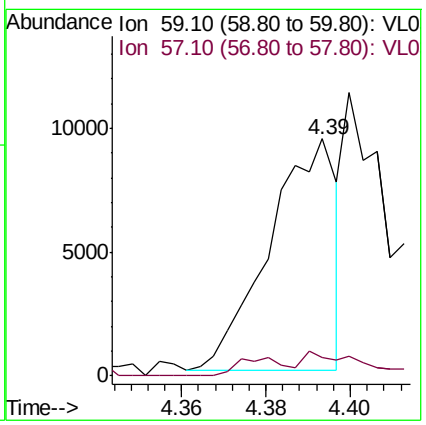


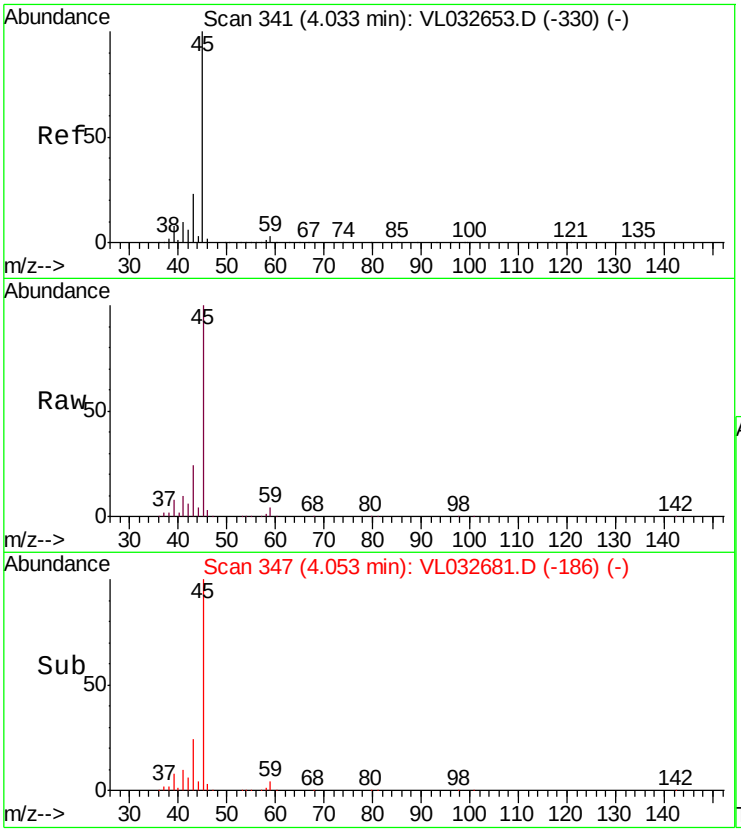


#17
tert-Butyl alcohol
Concen: 0.265 ppbv
RT: 4.39 min Scan# 453
Delta R.T. 0.02 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 59 Resp: 10281

Ion	Ratio	Lower	Upper
59	100		
57	17.4	0.0	0.0#



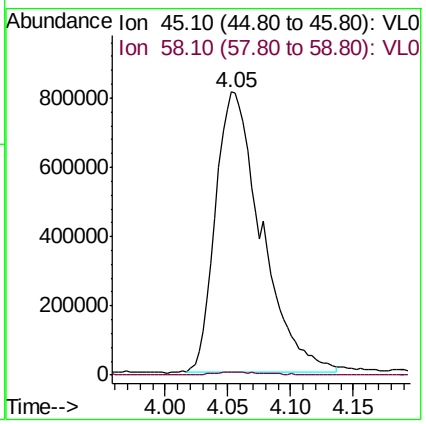


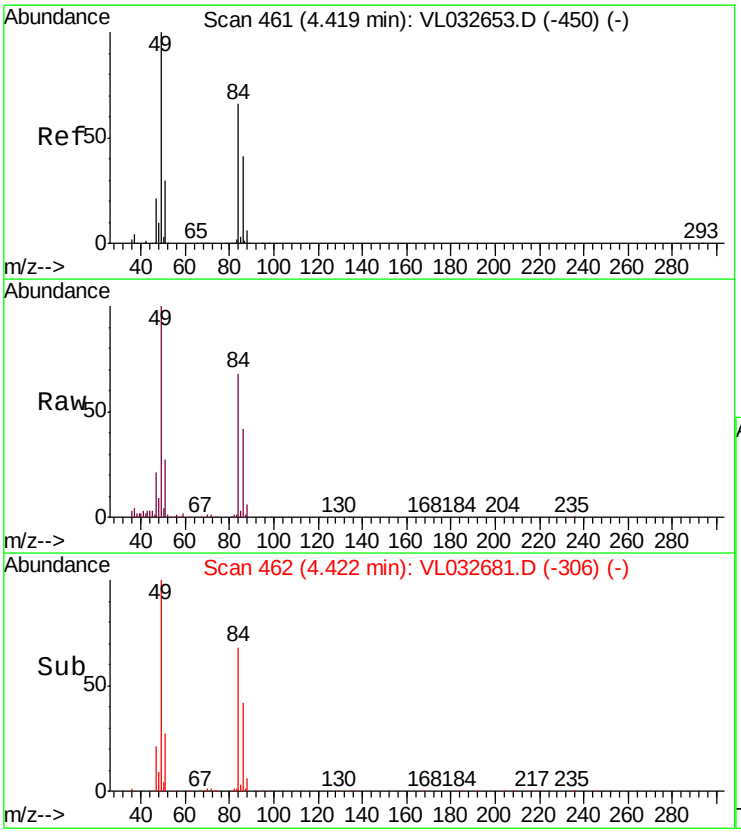
#19
Isopropyl Alcohol
Concen: 21.790 ppbv
RT: 4.05 min Scan# 347
Delta R.T. 0.02 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument : MSVOA_L
ClientSampleId : D-2

Tgt Ion: 45 Resp: 2050310

Ion	Ratio	Lower	Upper
45	100		
58	1.4	2.0	3.0#

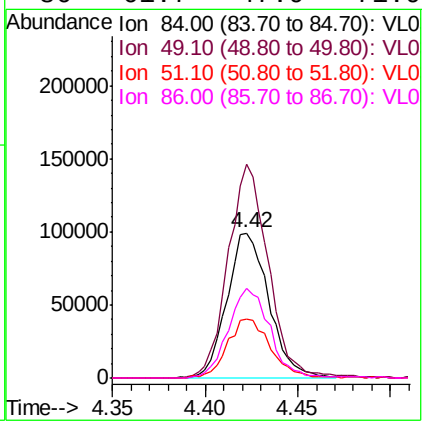


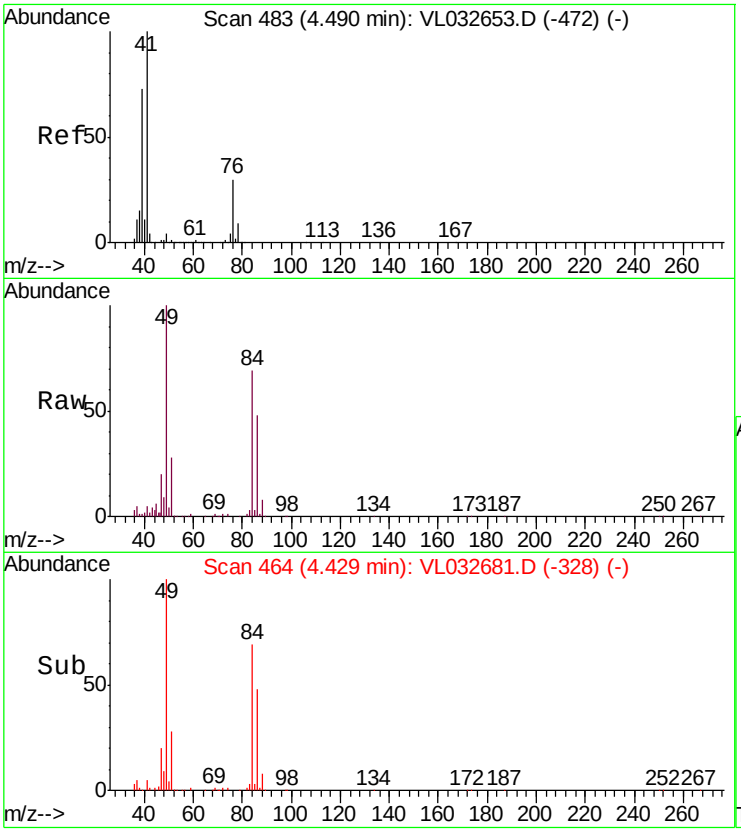


#20
Methylene Chloride
Concen: 2.305 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 84 Resp: 154589

Ion	Ratio	Lower	Upper
84	100		
49	147.2	113.5	170.3
51	40.3	34.8	52.2
86	61.7	47.9	71.9



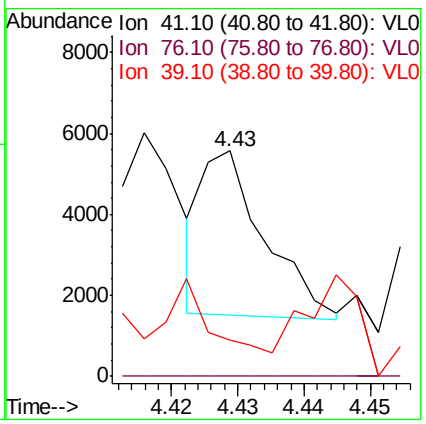


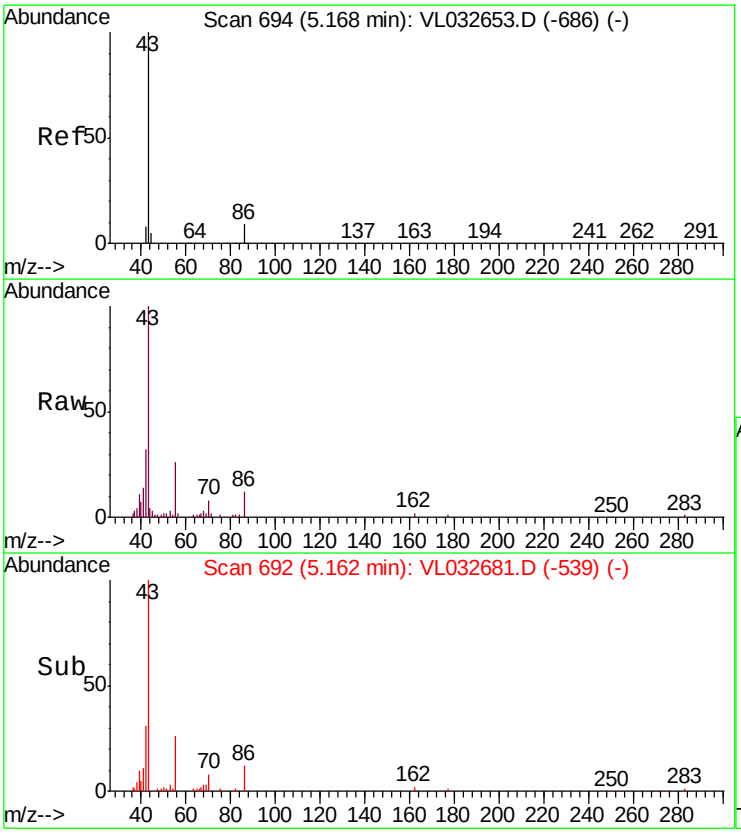
#21
Allyl Chloride
Concen: 0.024 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.06 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument : MSVOA_L
ClientSampleId : D-2

Tgt Ion: 41 Resp: 2639

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	0.0	60.3	90.5#

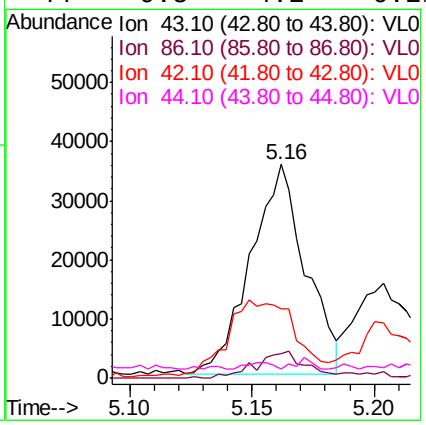


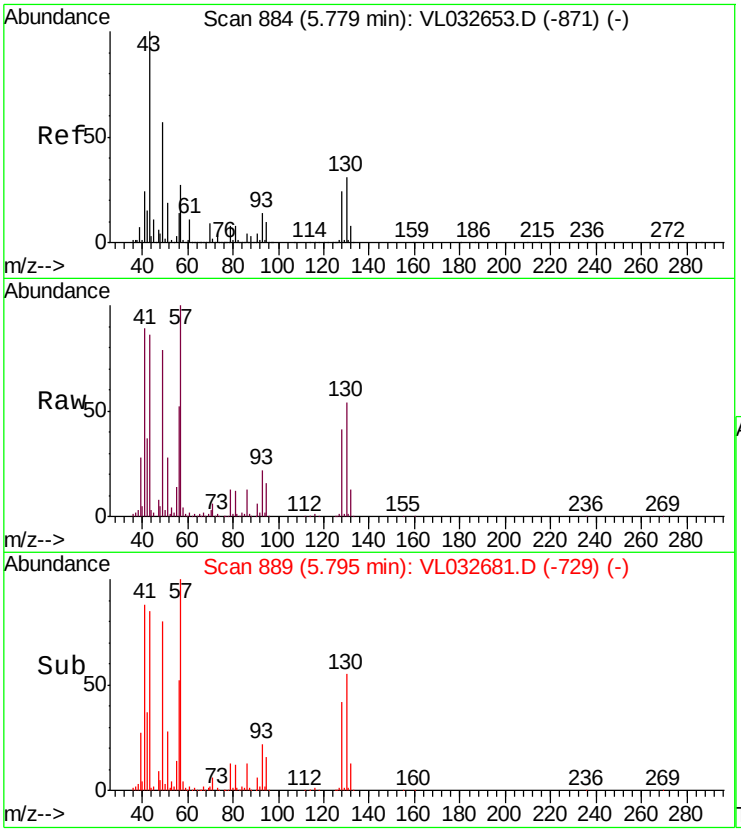


#23
Vinyl Acetate
Concen: 0.236 ppbv
RT: 5.16 min Scan# 692
Delta R.T. -0.01 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 43 Resp: 55346

Ion	Ratio	Lower	Upper
43	100		
86	11.8	6.1	9.1#
42	30.6	7.4	11.2#
44	0.5	4.2	6.2#



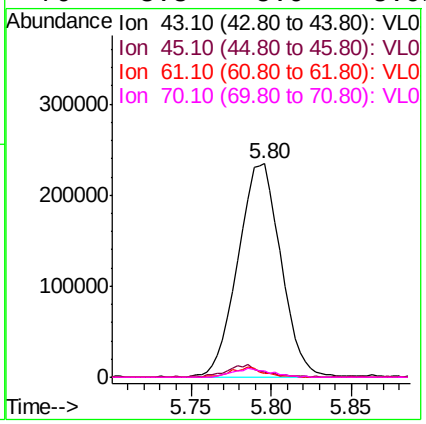


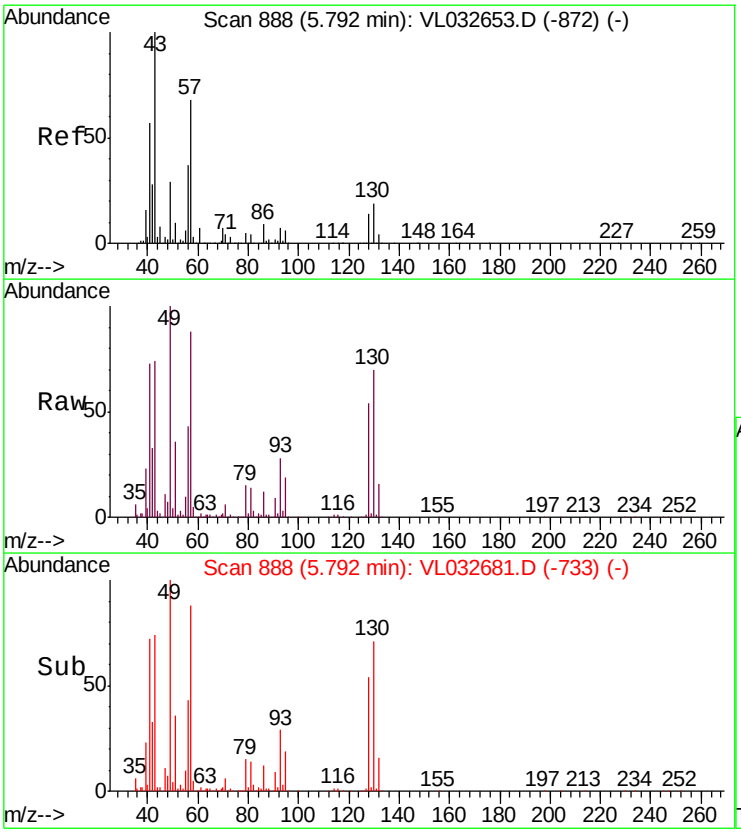
#25
Ethyl Acetate
Concen: 1.417 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.02 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument : MSVOA_L
ClientSampleId : D-2

Tgt Ion: 43 Resp: 430820

Ion	Ratio	Lower	Upper
43	100		
45	5.5	8.0	12.0#
61	3.7	8.0	12.0#
70	3.8	5.9	8.9#

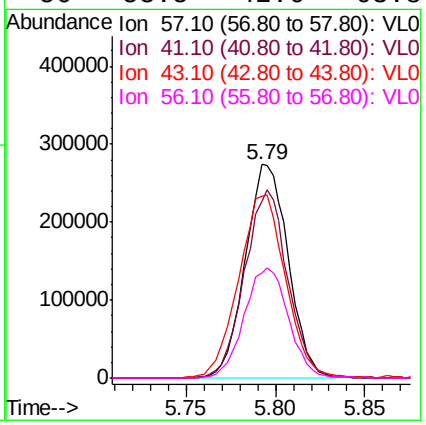


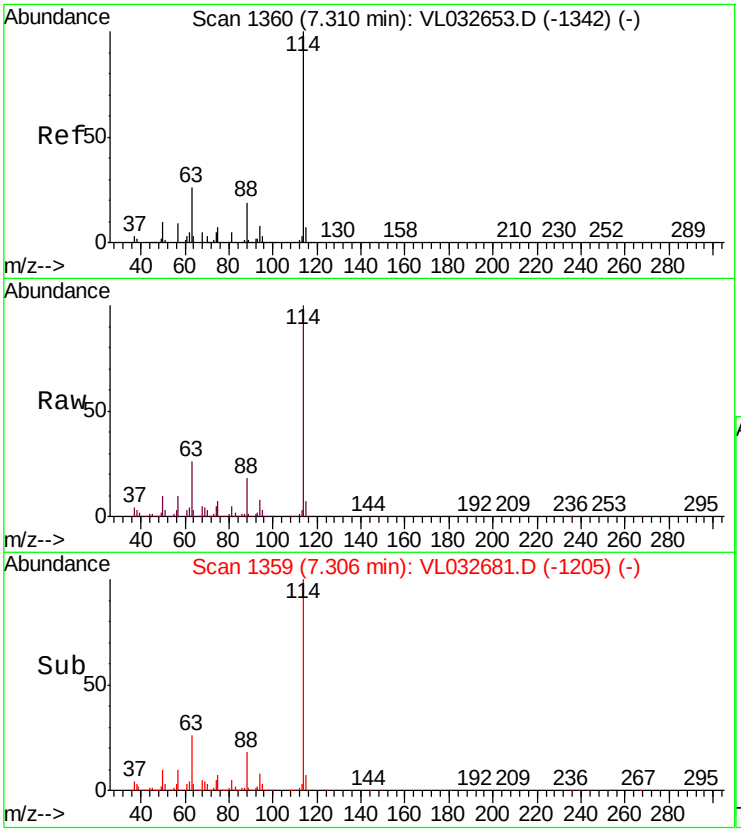


#26
Hexane
Concen: 3.201 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 57 Resp: 460604

Ion	Ratio	Lower	Upper
57	100		
41	88.8	67.4	101.0
43	93.9	171.9	257.9#
56	53.5	42.6	63.8



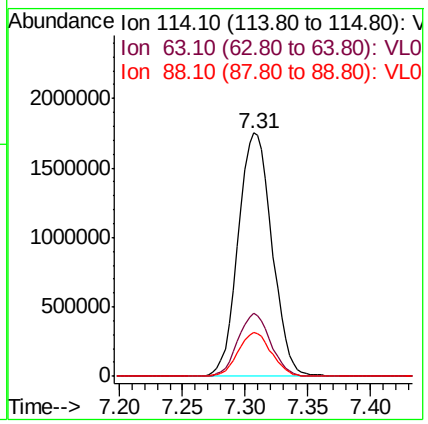


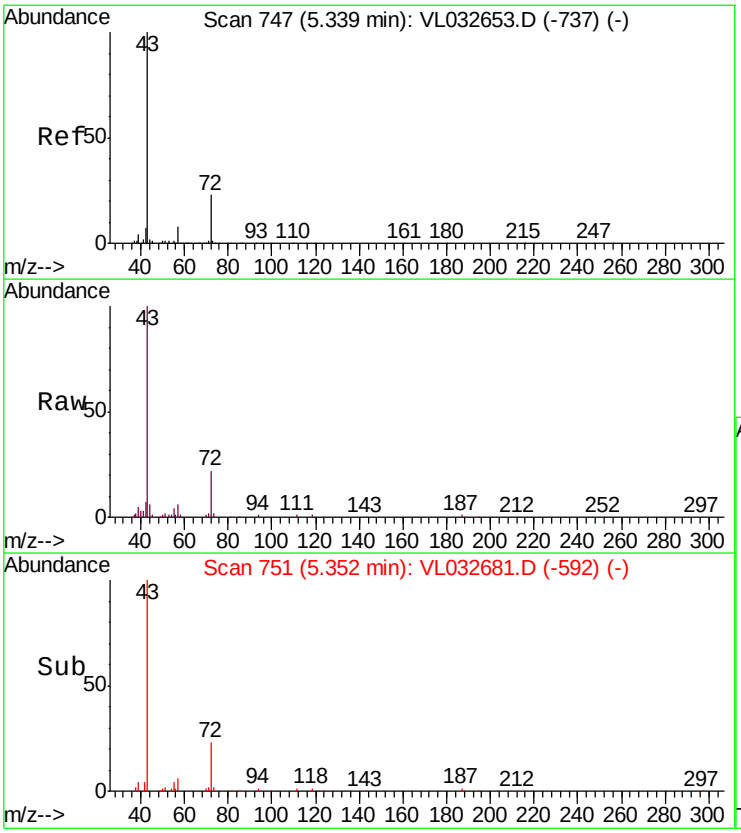
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument : MSVOA_L
ClientSampleId : D-2

Tgt Ion:114 Resp: 3285064

Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.7	32.5
88	17.7	14.9	22.3

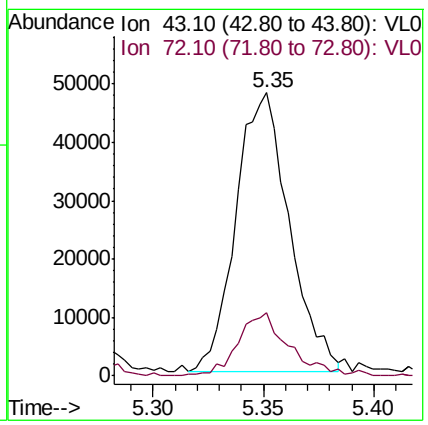


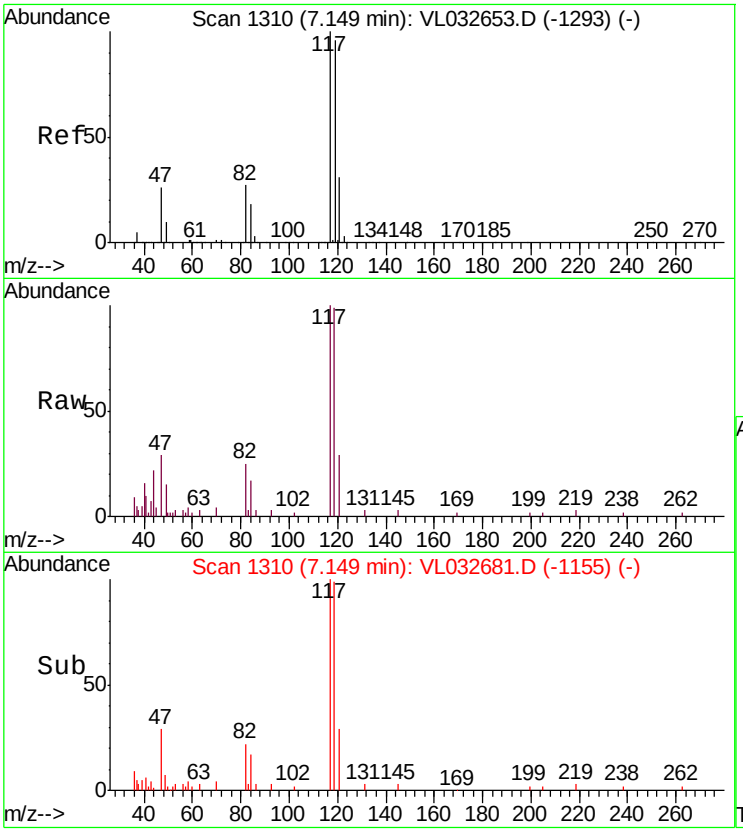


#34
2-Butanone
Concen: 0.459 ppbv
RT: 5.35 min Scan# 751
Delta R.T. 0.01 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 43 Resp: 80863

Ion	Ratio	Lower	Upper
43	100		
72	21.7	18.6	27.8



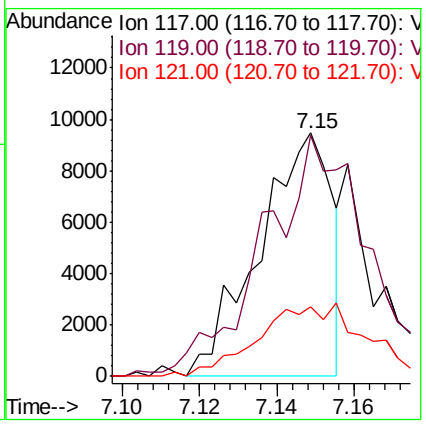


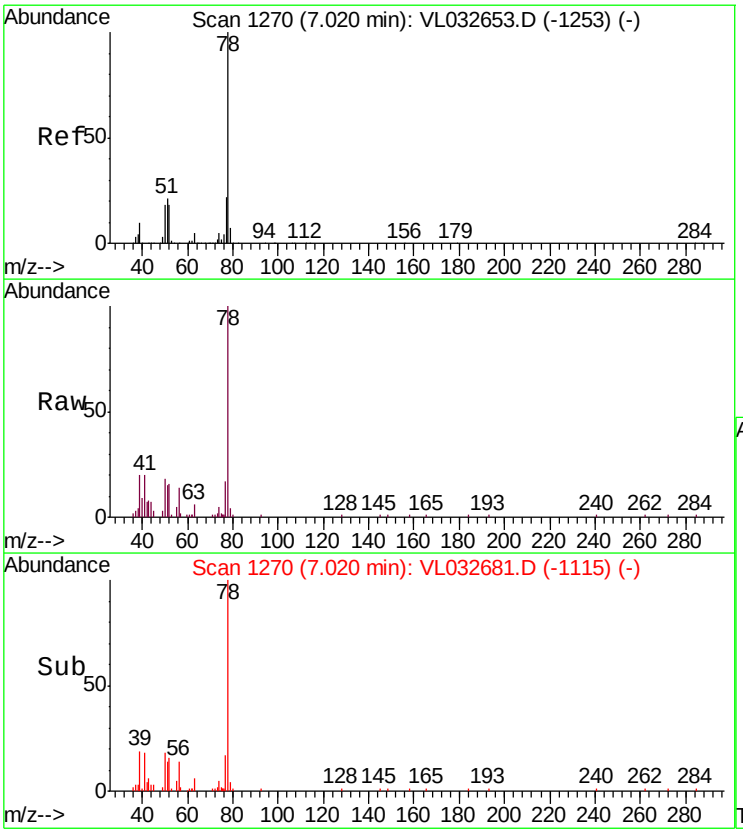
#35
Carbon Tetrachloride
Concen: 0.054 ppbv
RT: 7.15 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument : MSVOA_L
ClientSampleId : D-2

Tgt Ion:117 Resp: 12504

Ion	Ratio	Lower	Upper
117	100		
119	89.1	75.7	113.5
121	28.7	24.7	37.1

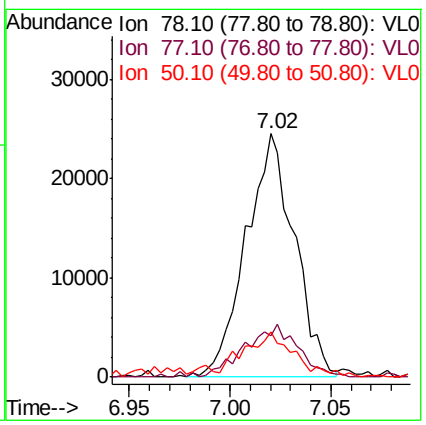


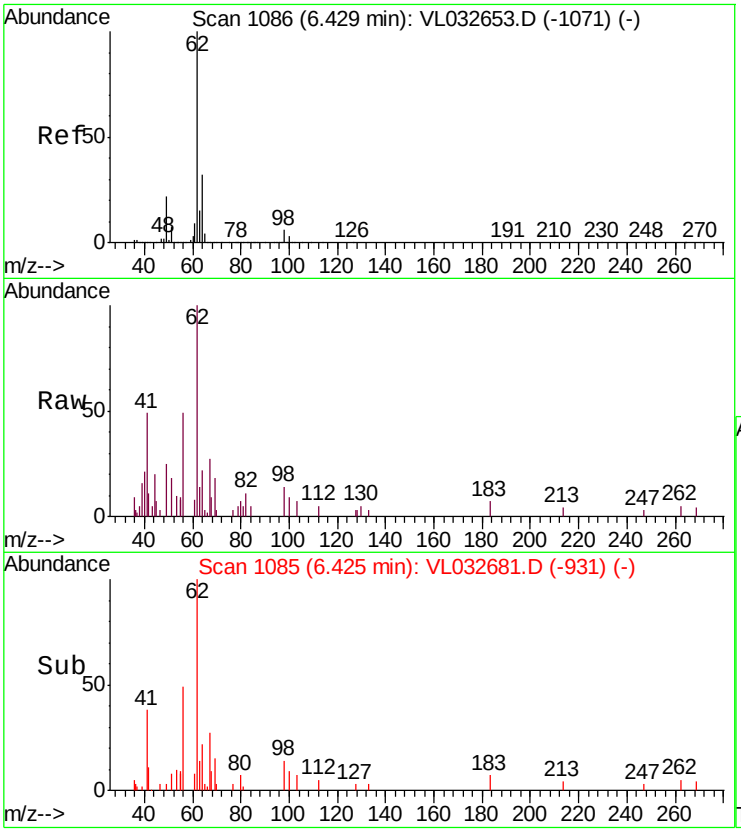


#36
Benzene
Concen: 0.154 ppbv
RT: 7.02 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 78 Resp: 41031

Ion	Ratio	Lower	Upper
78	100		
77	16.9	18.1	27.1#
50	16.9	15.1	22.7



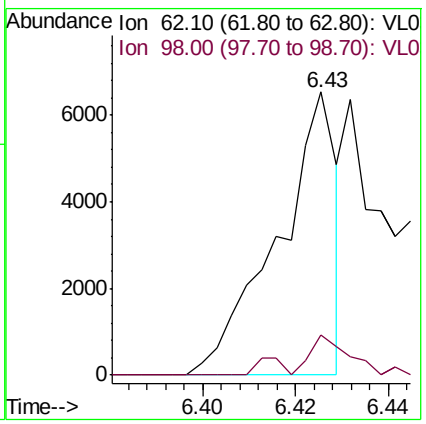


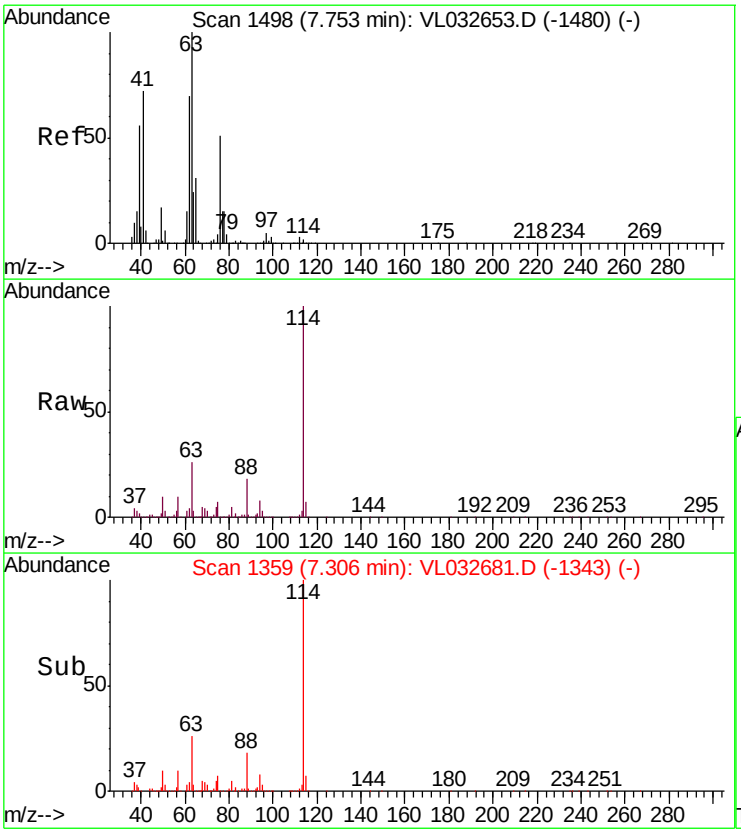
#37
1,2-Dichloroethane
Concen: 0.035 ppbv
RT: 6.43 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument : MSVOA_L
ClientSampleId : D-2

Tgt Ion: 62 Resp: 5747

Ion	Ratio	Lower	Upper
62	100		
98	18.2	4.4	6.6#

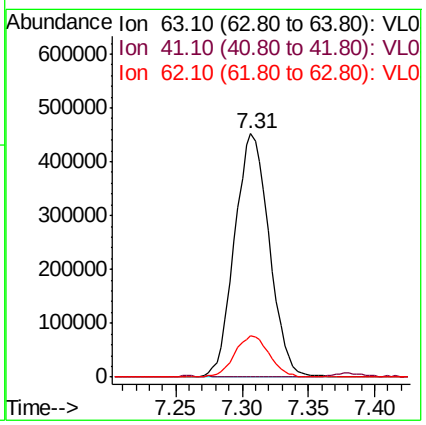


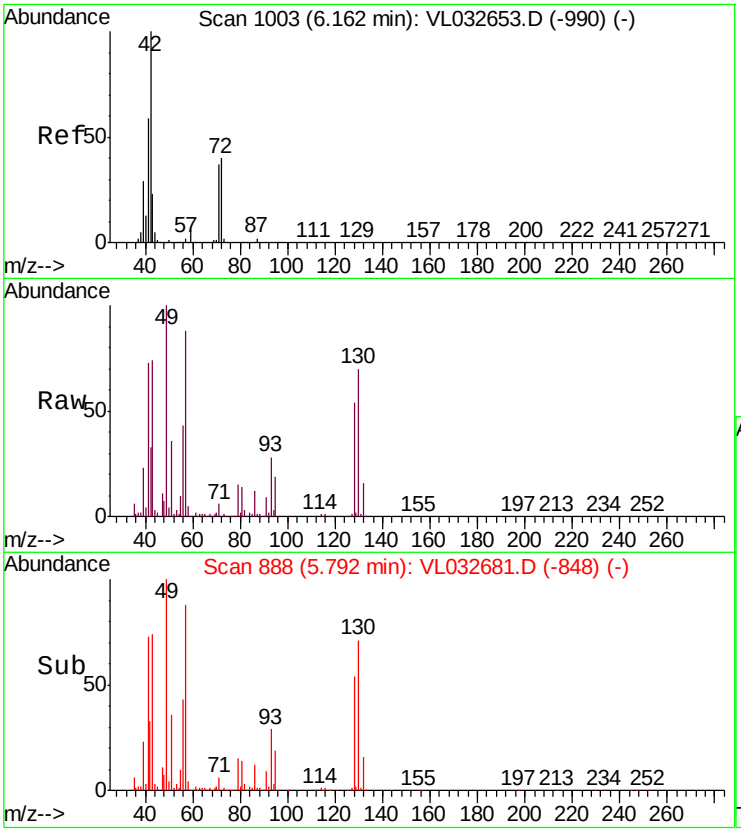


#39
1,2-Dichloropropane
Concen: 7.980 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.45 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 63 Resp: 822047

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.2	84.4#
62	17.0	54.4	81.6#



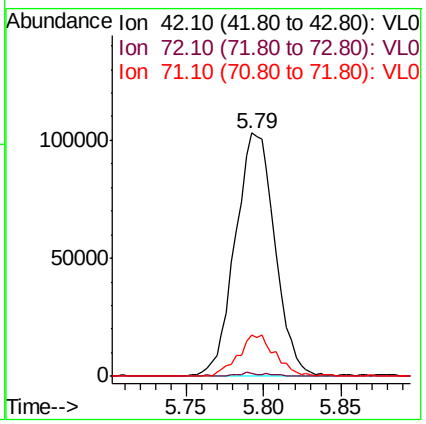


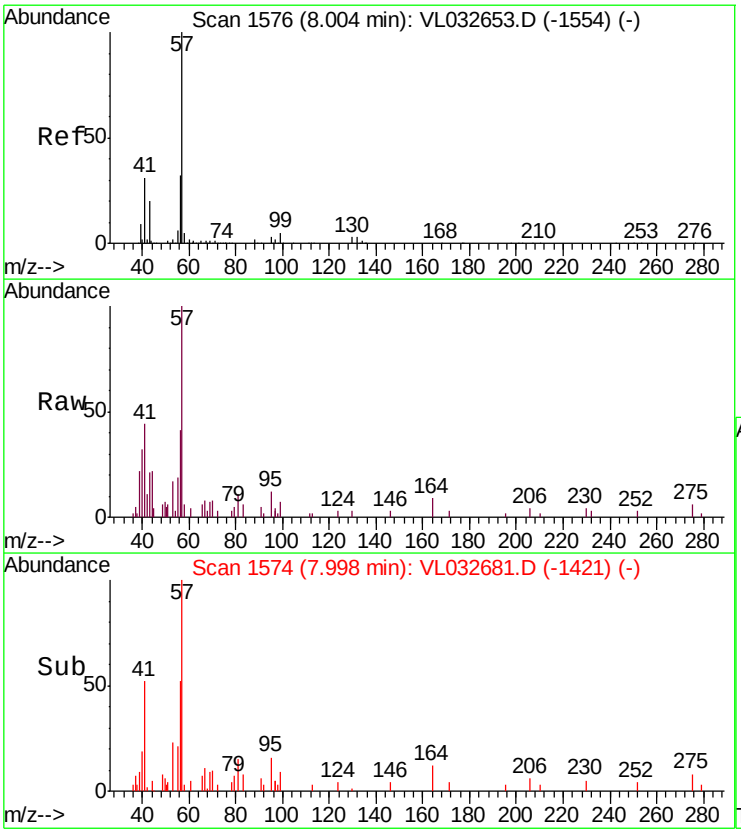
#41
Tetrahydrofuran
Concen: 1.874 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.37 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument :
MSVOA_L
ClientSampleId :
D-2

Tgt Ion: 42 Resp: 183875

Ion	Ratio	Lower	Upper
42	100		
72	1.2	32.4	48.6#
71	16.2	31.3	46.9#

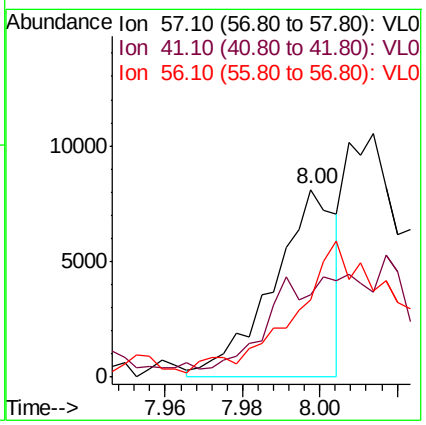


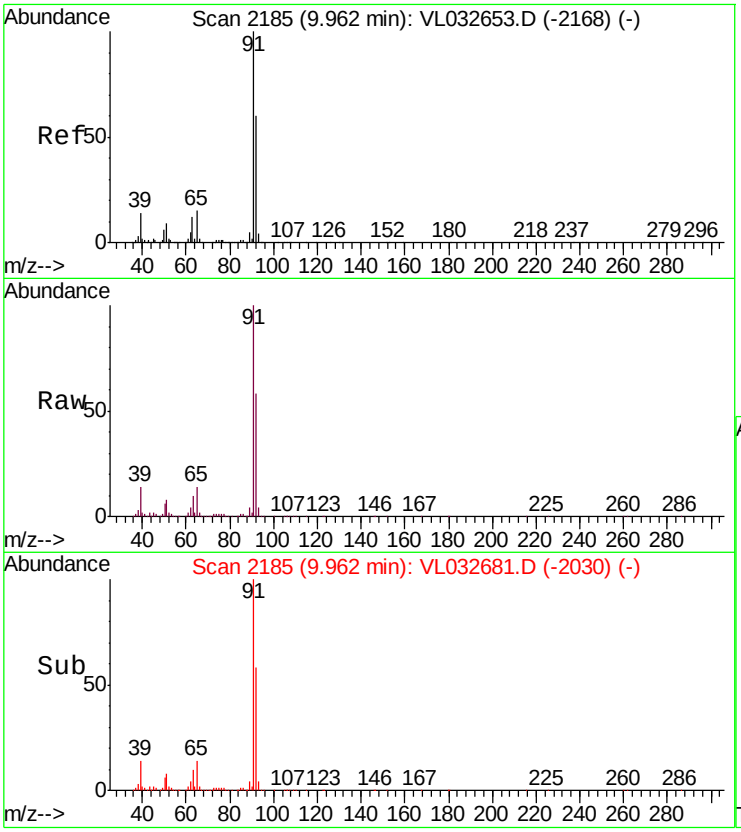


#44
2,2,4-Trimethylpentane
Concen: 0.020 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 57 Resp: 9139

Ion	Ratio	Lower	Upper
57	100		
41	0.0	24.7	37.1#
56	130.4	25.0	37.4#



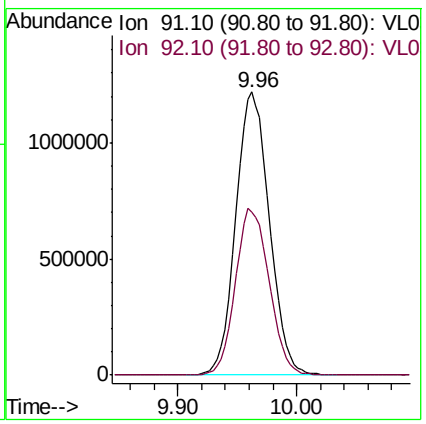


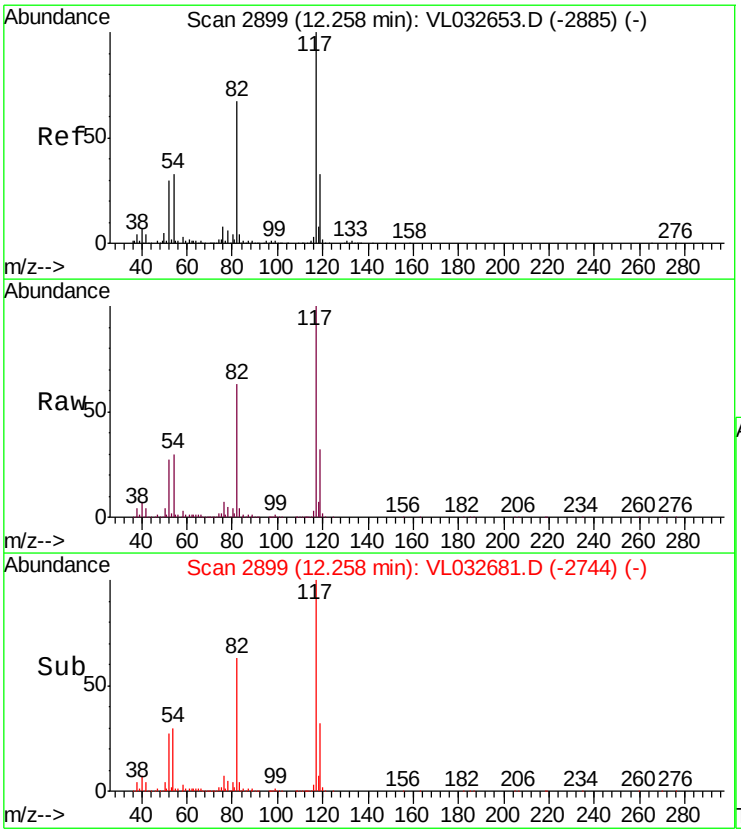
#53
Toluene
Concen: 7.787 ppbv
RT: 9.96 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument :
MSVOA_L
ClientSampleId :
D-2

Tgt Ion: 91 Resp: 2381268

Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.4	72.6

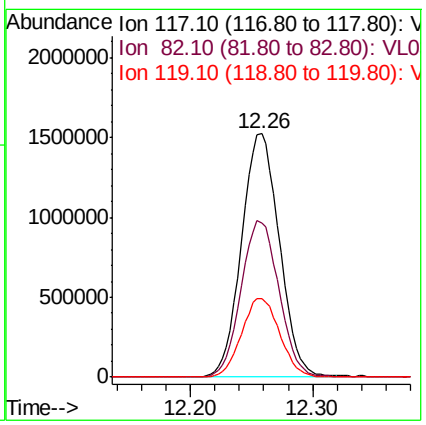


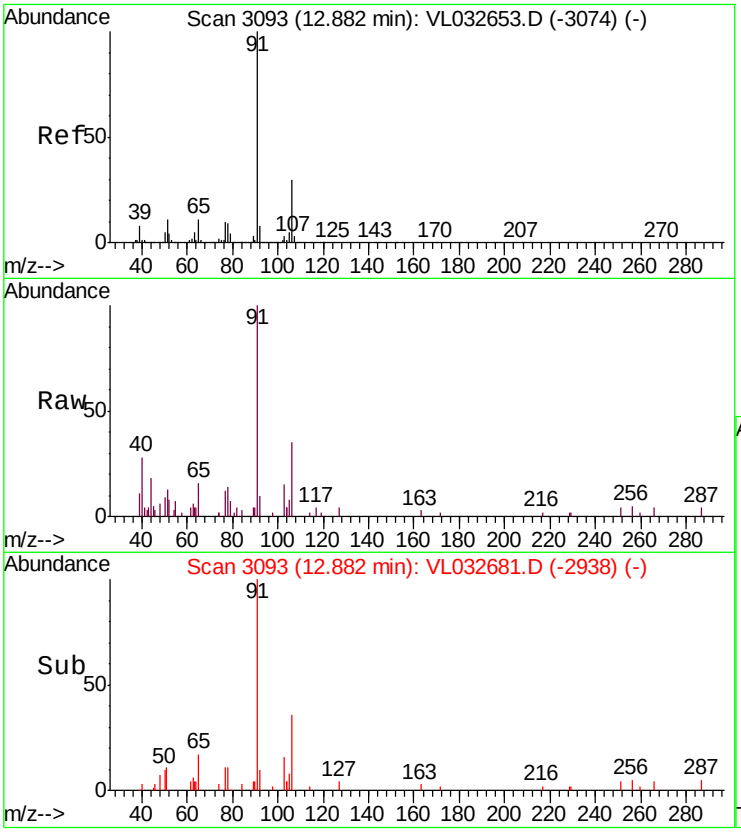


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion:117 Resp: 3263776

Ion	Ratio	Lower	Upper
117	100		
82	64.6	52.7	79.1
119	32.8	26.7	40.1



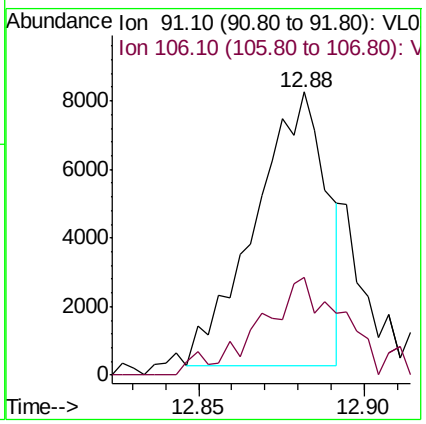


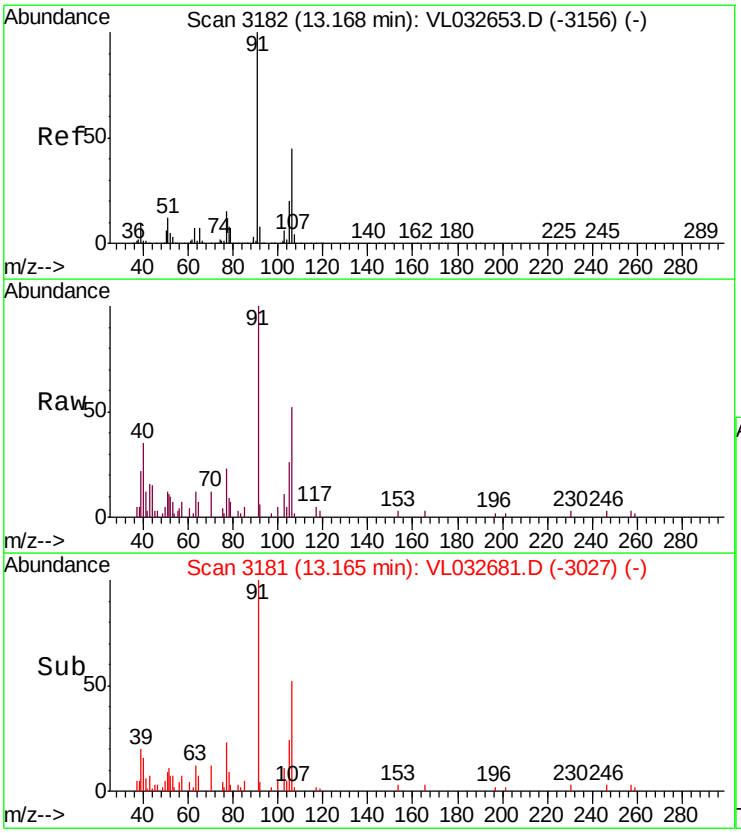
#58
Ethyl Benzene
Concen: 0.032 ppbv
RT: 12.88 min Scan# 3093
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument : MSVOA_L
ClientSampleId : D-2

Tgt Ion: 91 Resp: 12067

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.2	36.2

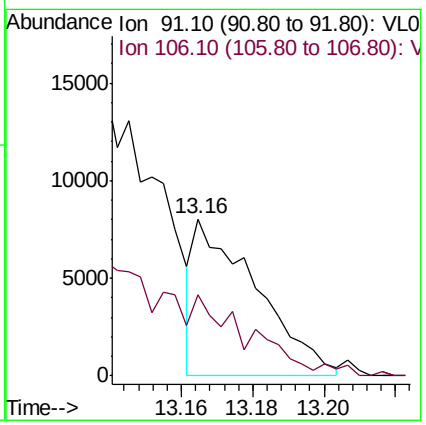


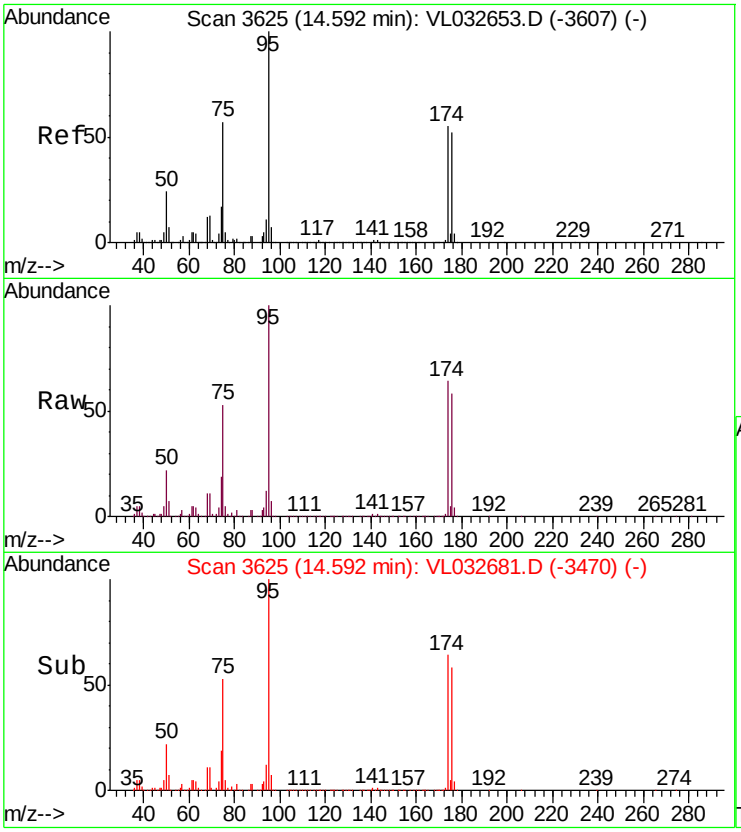


#59
m/p-Xylene
Concen: 0.029 ppbv
RT: 13.16 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion: 91 Resp: 9747

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#



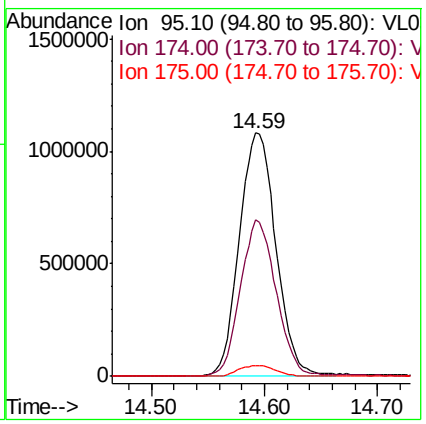


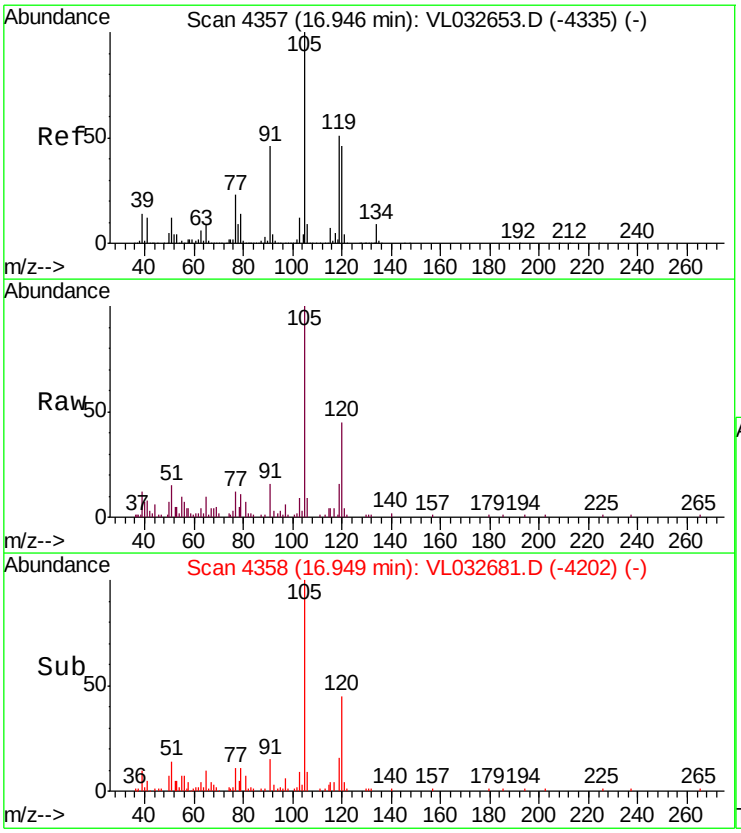
#68
1-Bromo-4-Fluorobenzene
Concen: 10.046 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Instrument : MSVOA_L
ClientSampleId : D-2

Tgt Ion: 95 Resp: 2441422

Ion	Ratio	Lower	Upper
95	100		
174	63.8	46.0	69.0
175	4.7	3.4	5.0





#74
1,2,4-Trimethylbenzene
Concen: 0.077 ppbv
RT: 16.95 min Scan# 4358
Delta R.T. 0.00 min
Lab File: VL032681.D
Acq: 19 Oct 2018 12:58

Tgt Ion:105 Resp: 27884

Ion	Ratio	Lower	Upper
105	100		
120	42.7	35.8	53.8
91	15.1	33.2	49.8#
77	9.5	16.2	24.4#