Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110718\

Quantitation Report (Not Reviewed)

Data File : VL032721.D
Acq On : 7 Nov 2018 17:40
Operator : SY/AP
Sample : J5823-03DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-01

Quant Time: Nov 08 10:53:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1394196	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3451342	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3415643	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2568797	10.10	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	32850	0.231	ppbv		90
3) Chlorodifluoromethane	3.02	51	65648	0.602	ppbv	#	90
4) Chloromethane	3.18	50	27067	0.444	ppbv		96
9) Propene	3.05	41	205304	4.576	ppbv		88
10) Heptane	8.26	43	72791	0.421	ppbv		90
11) Trichlorofluoromethane	4.01	101	44408	0.239	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	8274	0.054	ppbv	#	17
13) Ethanol	3.67	45	97912	7.635	ppbv		96
15) Acetone	3.91	43	658256	5.113	ppbv		96
16) 1,3-Butadiene	3.35	39	96934	2.047	ppbv	#	25
19) Isopropyl Alcohol	4.07	45	6986	0.076	ppbv	#	93
20) Methylene Chloride	4.42	84	130168	1.992	ppbv		92
21) Allyl Chloride	4.44	41	40120	0.380	ppbv	#	48
23) Vinyl Acetate	5.15	43	133670	0.586	ppbv	#	1
25) Ethyl Acetate	5.79	43	317150	1.070	ppbv	#	85
26) Hexane	5.79	57	368437	2.628	ppbv	#	48
30) Cyclohexane	7.26	84	26482	0.239	ppbv	#	21
34) 2-Butanone	5.35	43	81165	0.439	ppbv		98
35) Carbon Tetrachloride	7.15	117	10005	0.041	ppbv	#	69
36) Benzene	7.02	78	595697	2.125	ppbv		98
39) 1,2-Dichloropropane	7.30	63	865953	8.001	ppbv	#	26
44) 2,2,4-Trimethylpentane	8.00	57	821330	1.717	ppbv		92
51) 2-Hexanone	10.25	43	19839	0.097	ppbv	#	28
52) Tetrachloroethene	11.40	164	8067	0.083	ppbv		90
53) Toluene	9.96	91	4946797	15.398	ppbv		99
58) Ethyl Benzene	12.88	91	452043	1.139	ppbv		98
59) m/p-Xylene	13.13	91	1595989	4.517	ppbv		100
60) o-Xylene	13.86	91	598651	1.756	ppbv		98
61) Styrene	13.70	104	26153	0.114	ppbv	#	56
64) n-propylbenzene	15.73	120	6614	0.055	ppbv	#	1
65) tert-Butylbenzene	16.94	119	58852	0.143	ppbv	#	51
72) 4-Ethyltoluene	16.01	105	98757	0.272	ppbv	#	65
73) 1,3,5-Trimethylbenzene	16.17	105	125487	0.355	ppbv		98
74) 1,2,4-Trimethylbenzene	16.94	105	557798	1.477	ppbv	#	76
79) Naphthalene	22.43	128	13989	0.060	ppbv	#	94

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

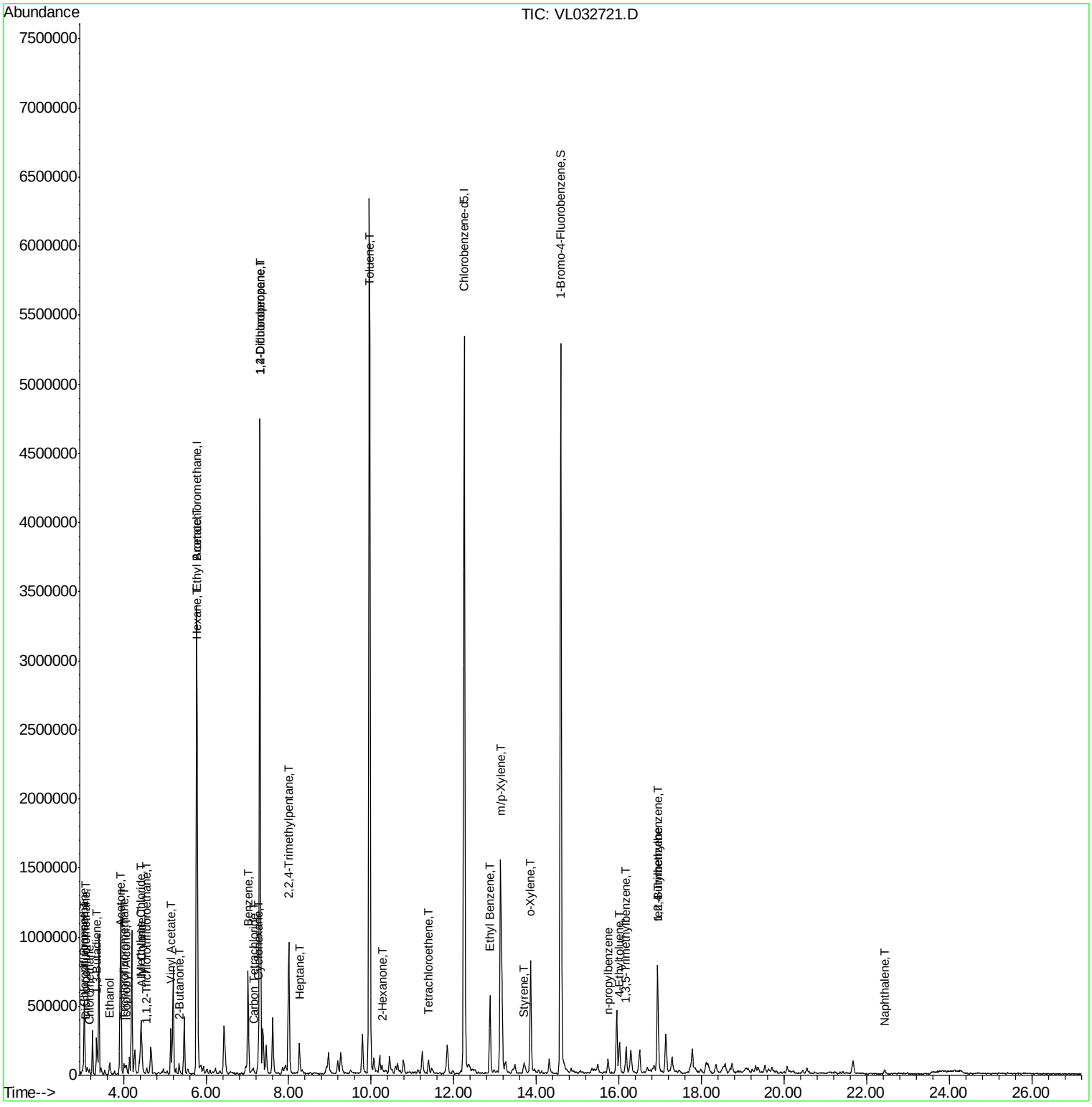
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110718\

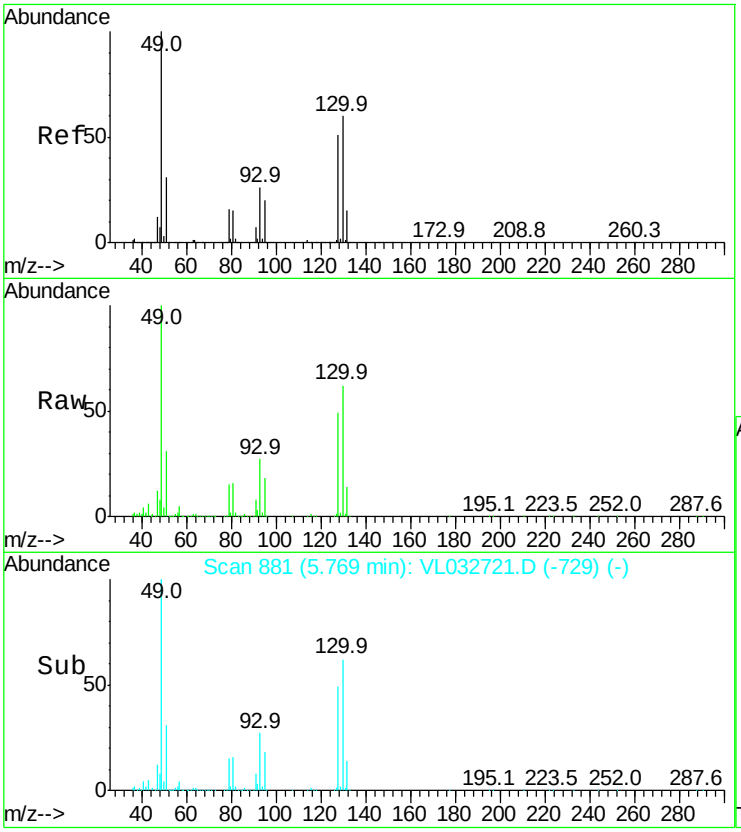
Quantitation Report (Not Reviewed)

Data File : VL032721.D
Acq On : 7 Nov 2018 17:40
Operator : SY/AP
Sample : J5823-03DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-01

Quant Time: Nov 08 10:53:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration



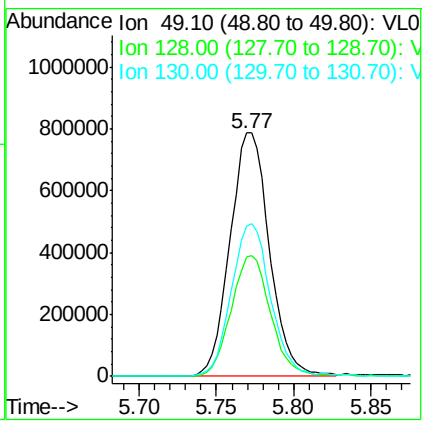


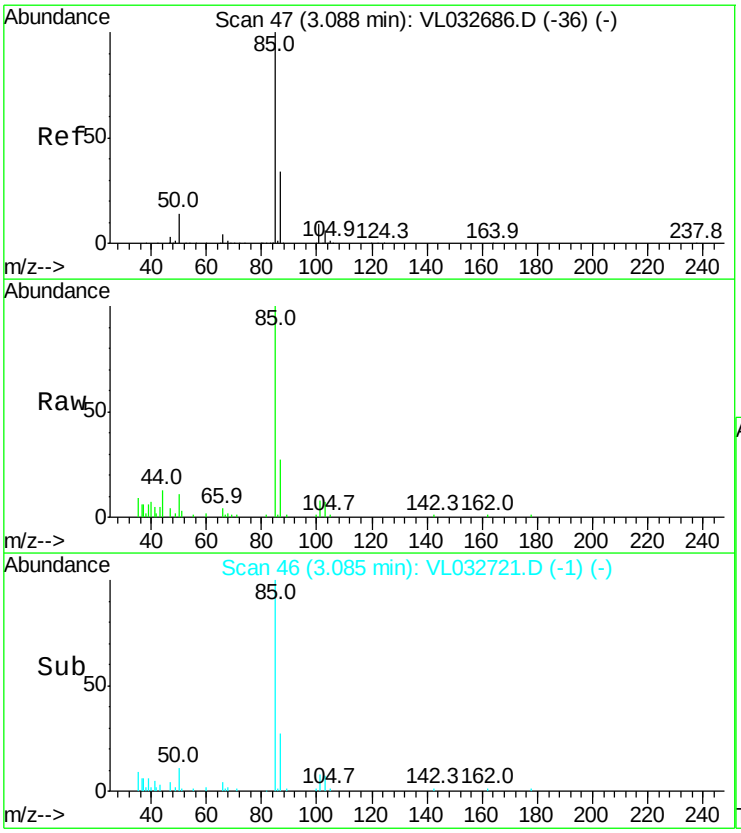
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 49 Resp: 1394196

Ion	Ratio	Lower	Upper
49	100		
128	50.3	22.3	66.8
130	63.1	28.4	85.3

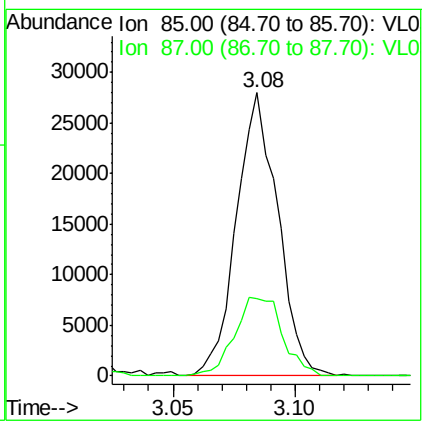


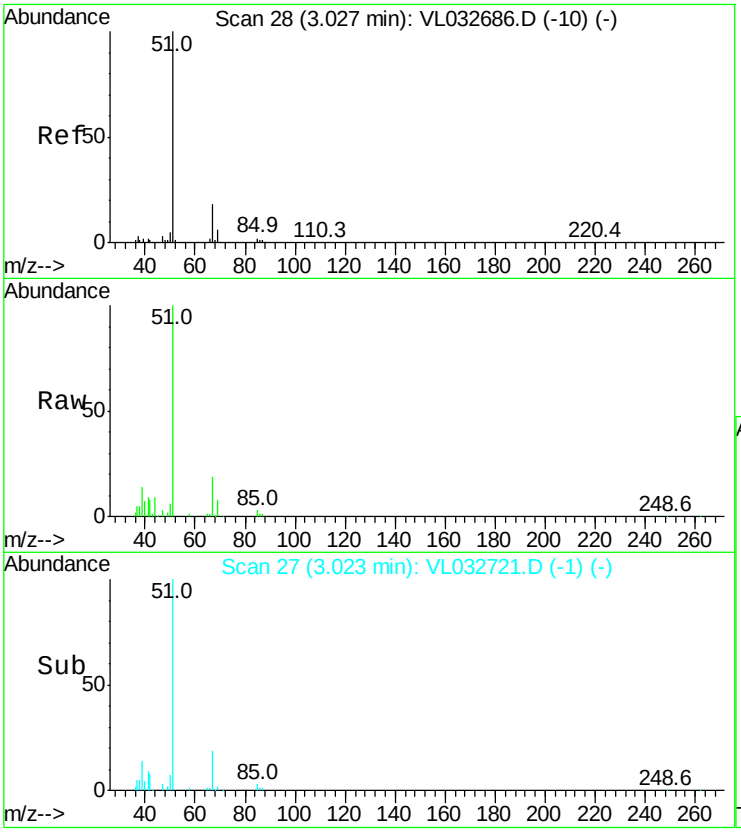


#2
Dichlorodifluoromethane
Concen: 0.231 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 85 Resp: 32850

Ion	Ratio	Lower	Upper
85	100		
87	27.2	26.2	39.2



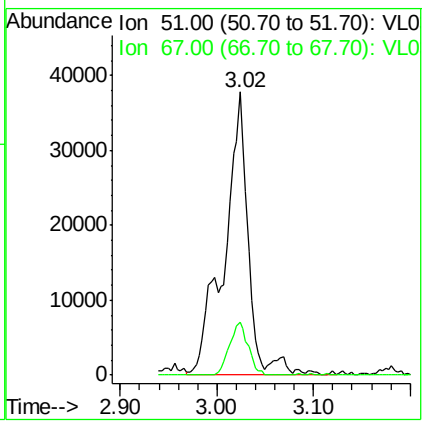


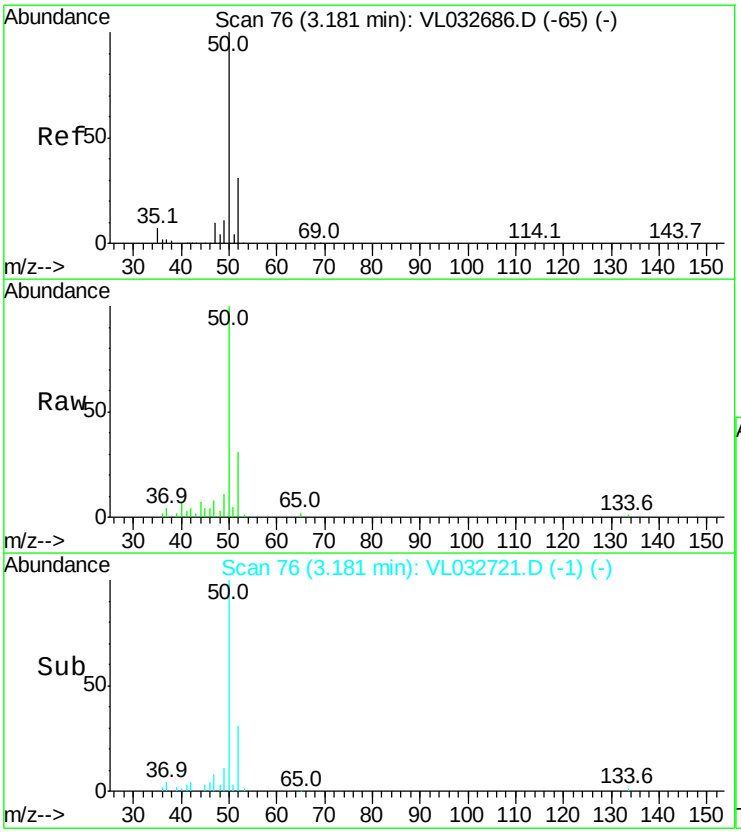
#3
Chlorodifluoromethane
Concen: 0.602 ppbv
RT: 3.02 min Scan# 27
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 51 Resp: 65648

Ion	Ratio	Lower	Upper
51	100		
67	14.4	15.2	22.8#

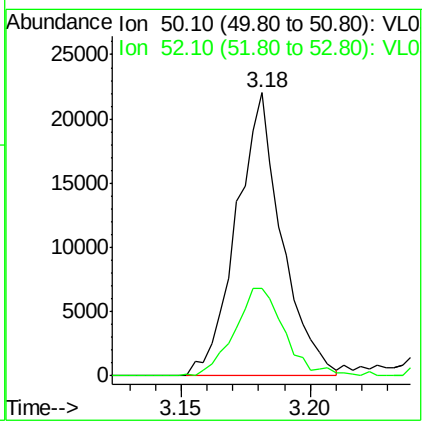


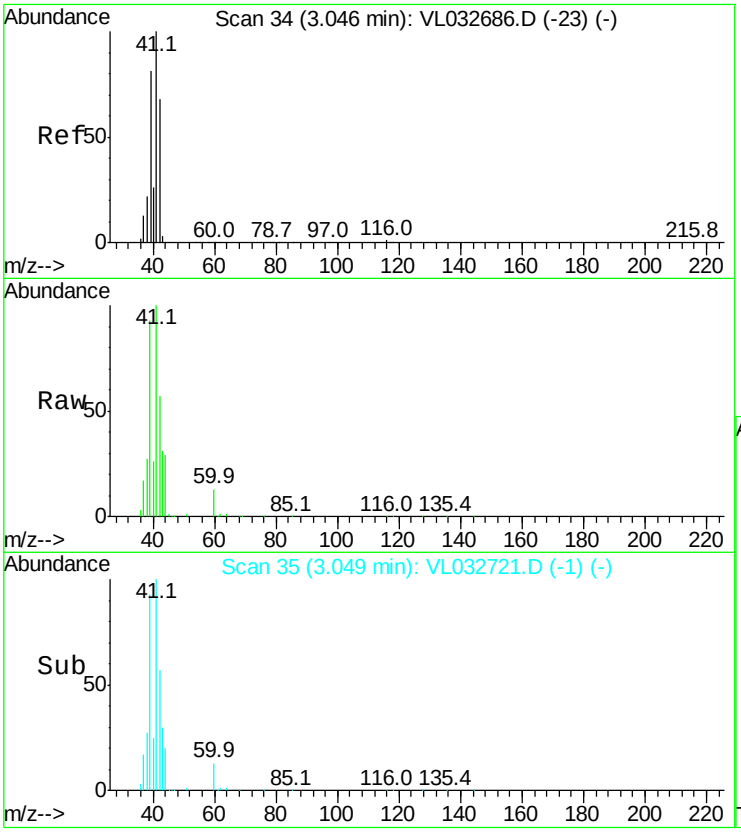


#4
Chloromethane
Concen: 0.444 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 50 Resp: 27067

Ion	Ratio	Lower	Upper
50	100		
52	30.1	25.9	38.9



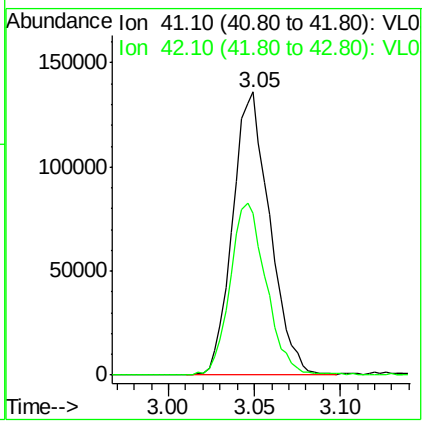


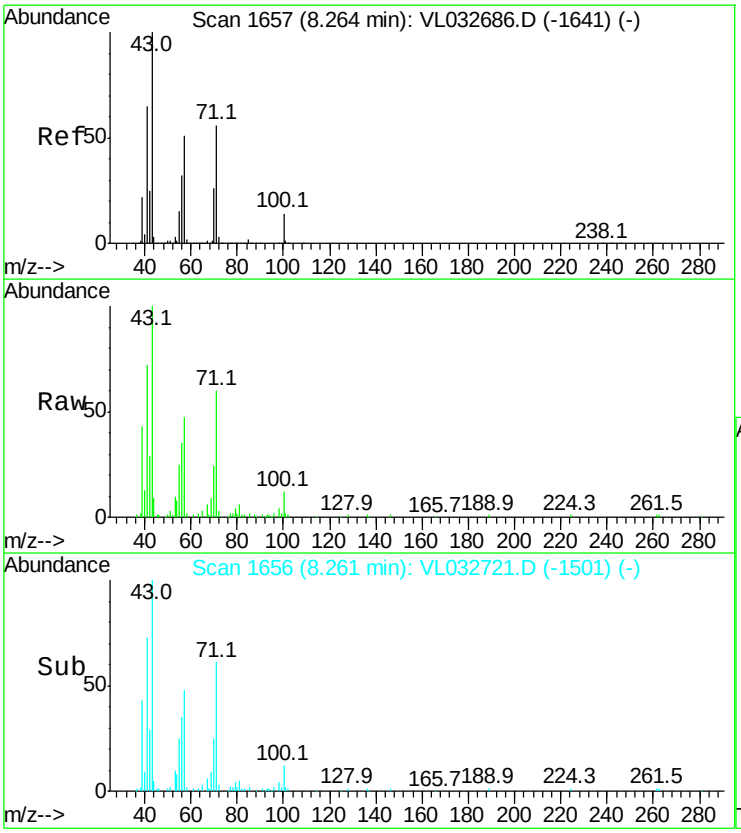
#9
Propene
Concen: 4.576 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 41 Resp: 205304

Ion	Ratio	Lower	Upper
41	100		
42	59.6	55.4	83.0

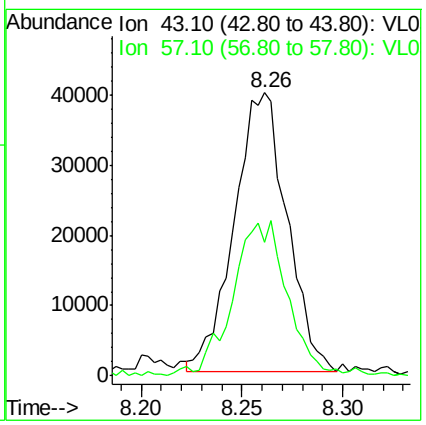


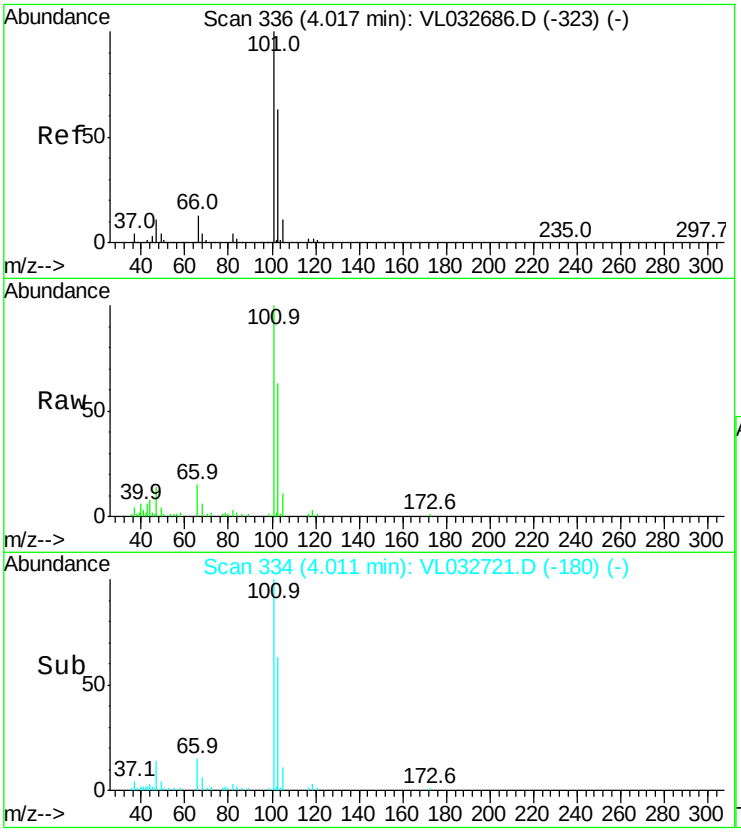


#10
Heptane
Concen: 0.421 ppbv
RT: 8.26 min Scan# 1656
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 43 Resp: 72791

Ion	Ratio	Lower	Upper
43	100		
57	58.7	41.5	62.3



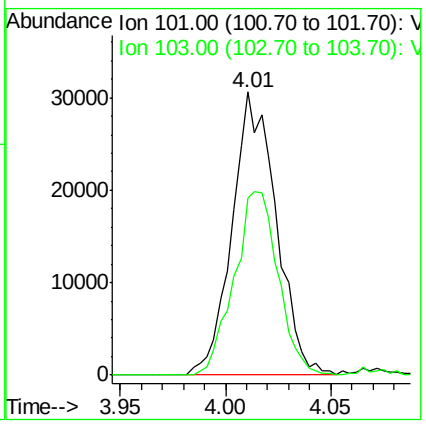


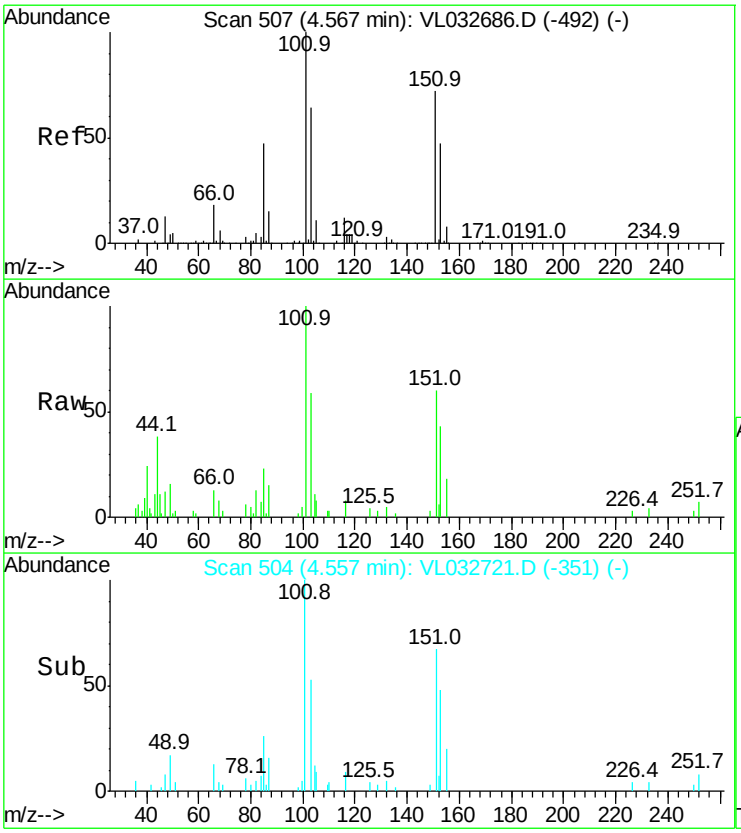
#11
Trichlorofluoromethane
Concen: 0.239 ppbv
RT: 4.01 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion:101 Resp: 44408

Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.4	77.2

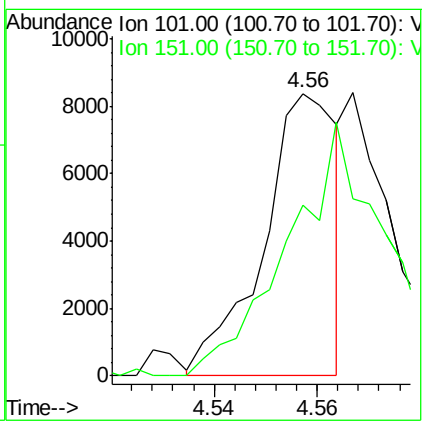


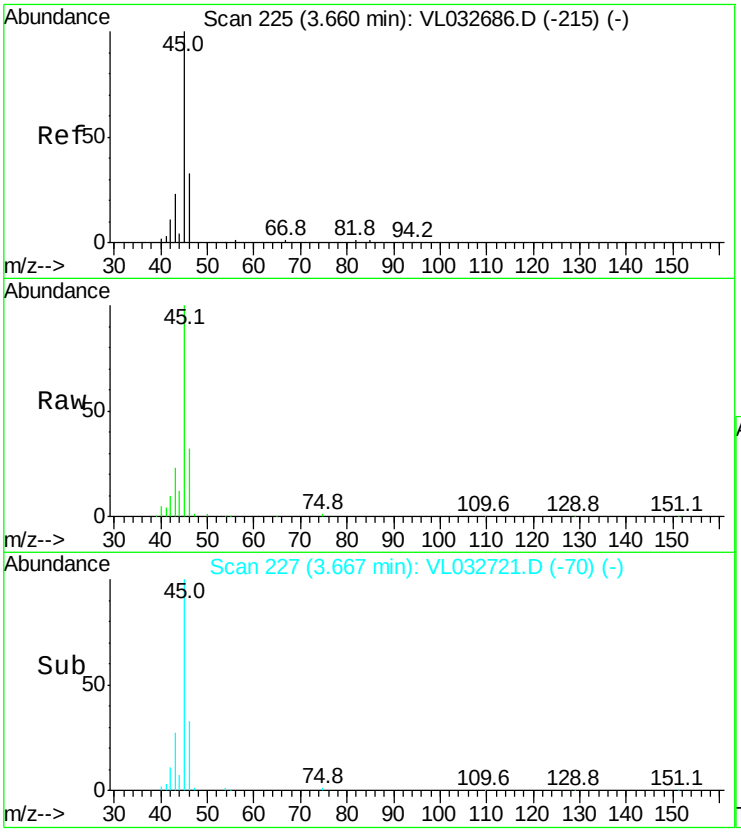


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.054 ppbv
RT: 4.56 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion:101 Resp: 8274

Ion	Ratio	Lower	Upper
101	100		
151	0.0	52.3	78.5#



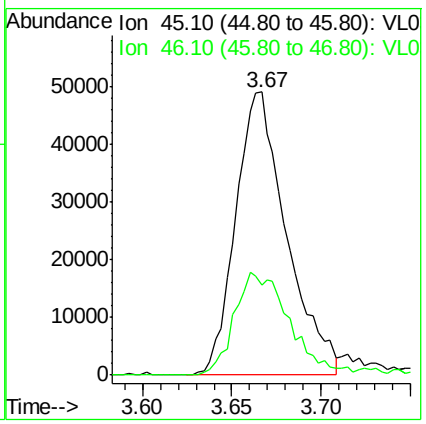


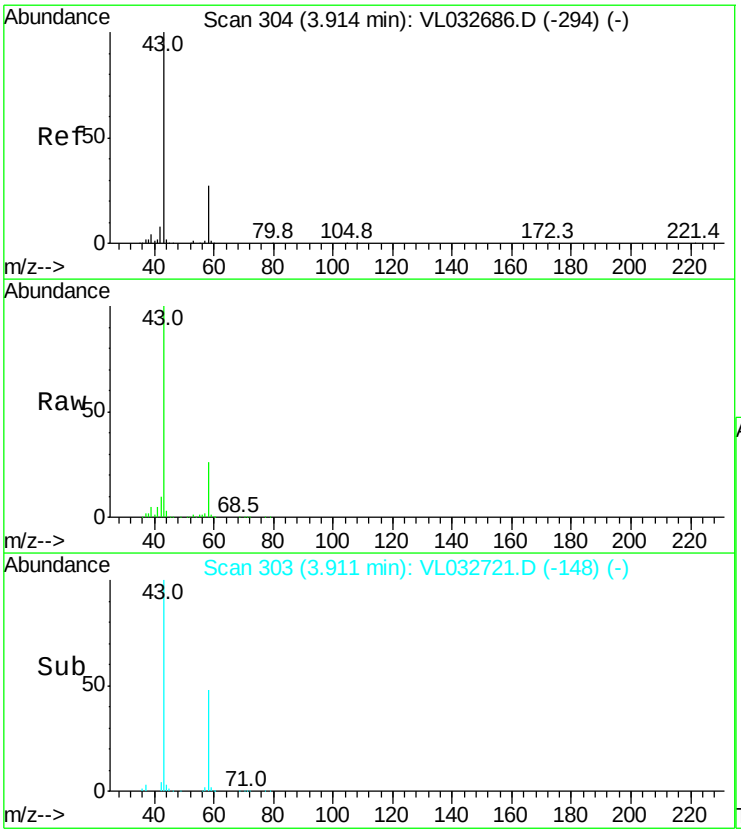
#13
Ethanol
Concen: 7.635 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 45 Resp: 97912

Ion	Ratio	Lower	Upper
45	100		
46	41.2	15.4	61.8

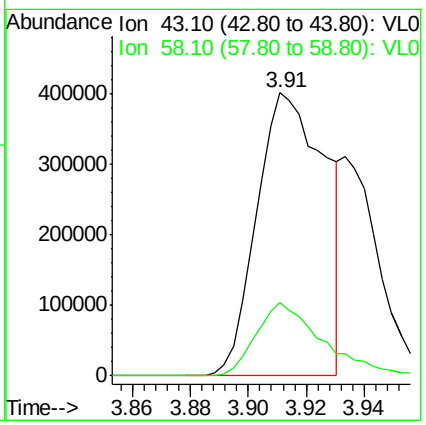


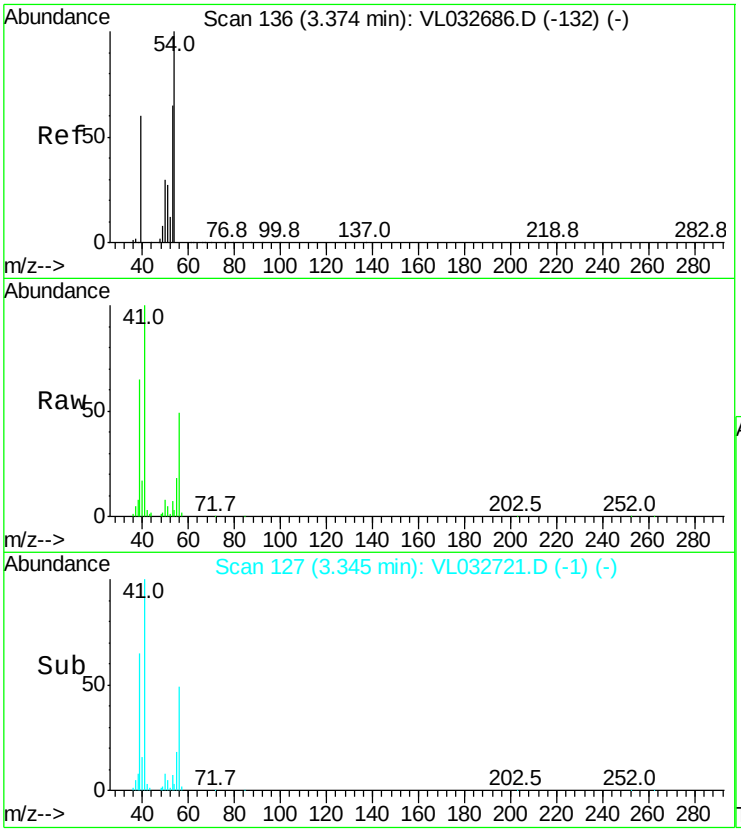


#15
Acetone
Concen: 5.113 ppbv
RT: 3.91 min Scan# 303
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 43 Resp: 658256

Ion	Ratio	Lower	Upper
43	100		
58	25.5	22.1	33.1



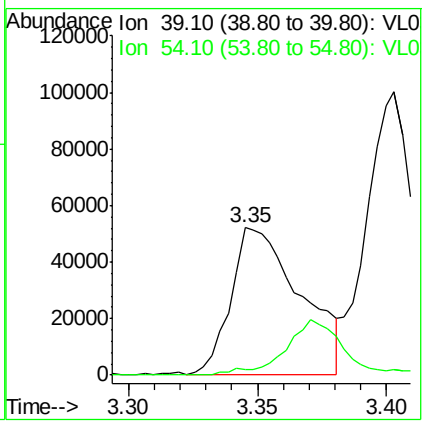


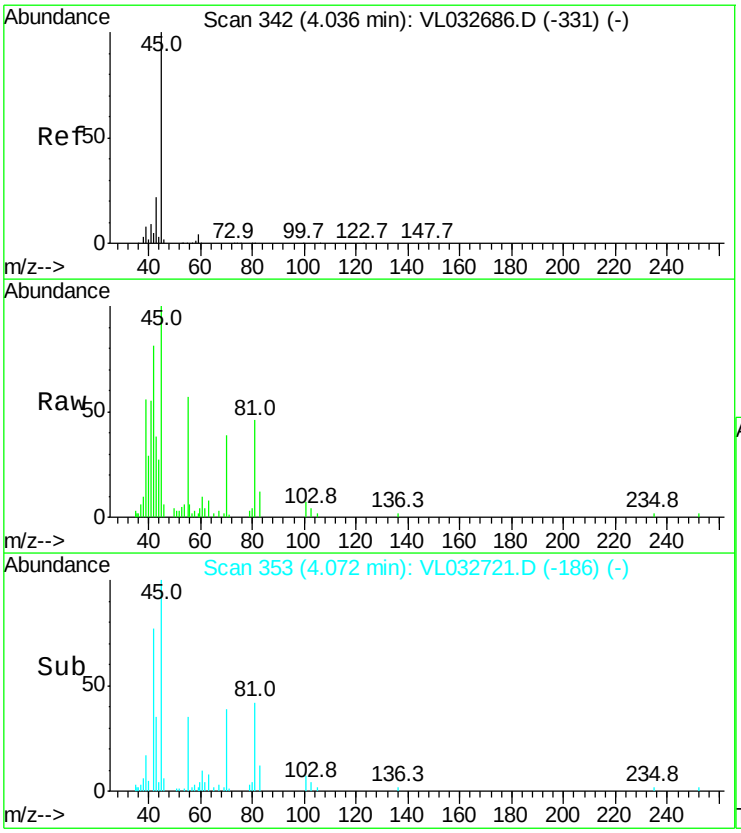
#16
1,3-Butadiene
Concen: 2.047 ppbv
RT: 3.35 min Scan# 127
Delta R.T. -0.03 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 39 Resp: 96934

Ion	Ratio	Lower	Upper
39	100		
54	32.6	90.4	135.6#

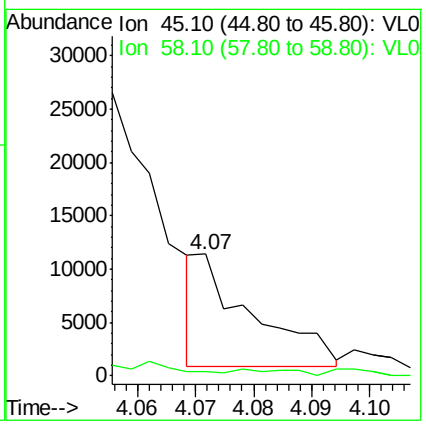


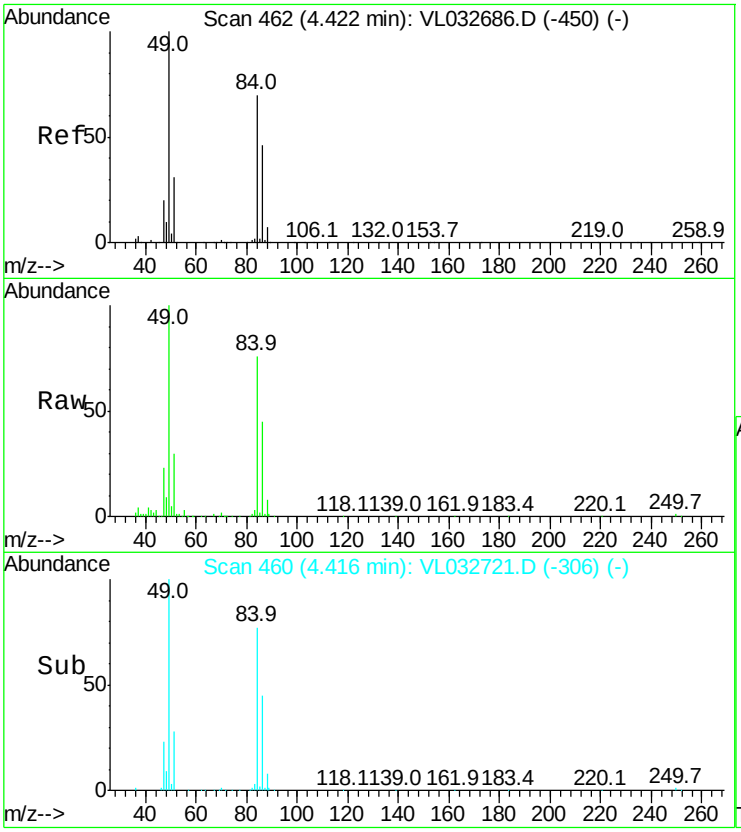


#19
Isopropyl Alcohol
Concen: 0.076 ppbv
RT: 4.07 min Scan# 353
Delta R.T. 0.04 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 45 Resp: 6986

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#



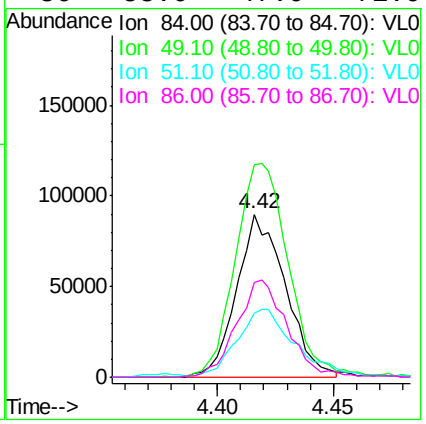


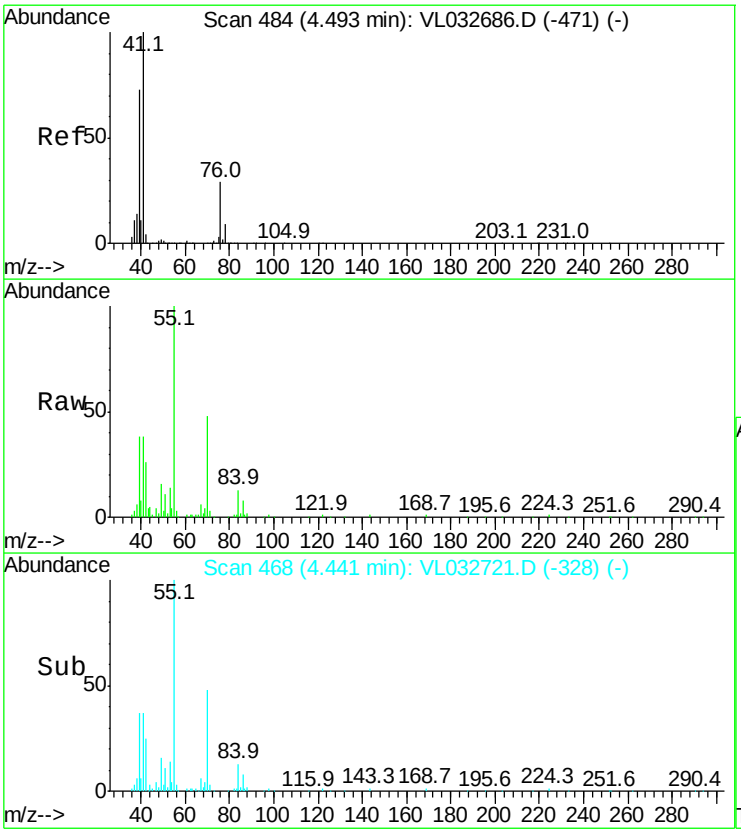
#20
Methylene Chloride
Concen: 1.992 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 84 Resp: 130168

Ion	Ratio	Lower	Upper
84	100		
49	130.1	113.5	170.3
51	38.6	34.8	52.2
86	58.0	47.9	71.9

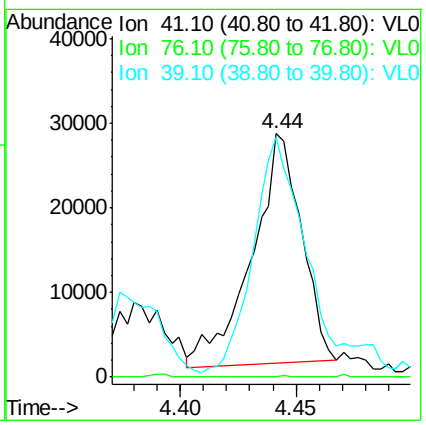


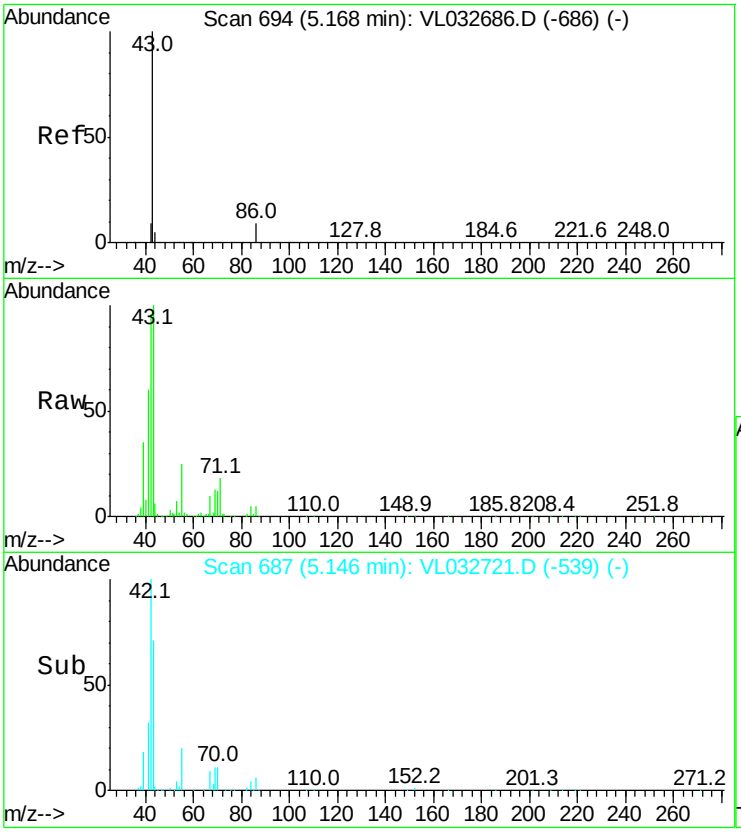


#21
Allyl Chloride
Concen: 0.380 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.05 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 41 Resp: 40120

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	118.7	60.3	90.5#



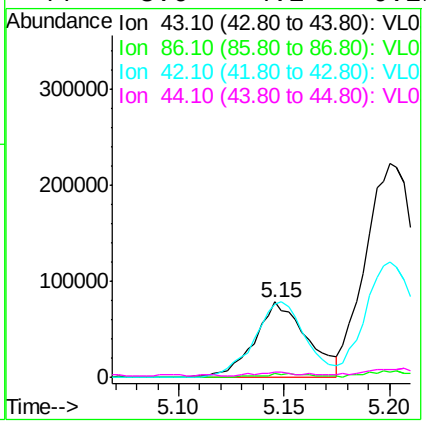


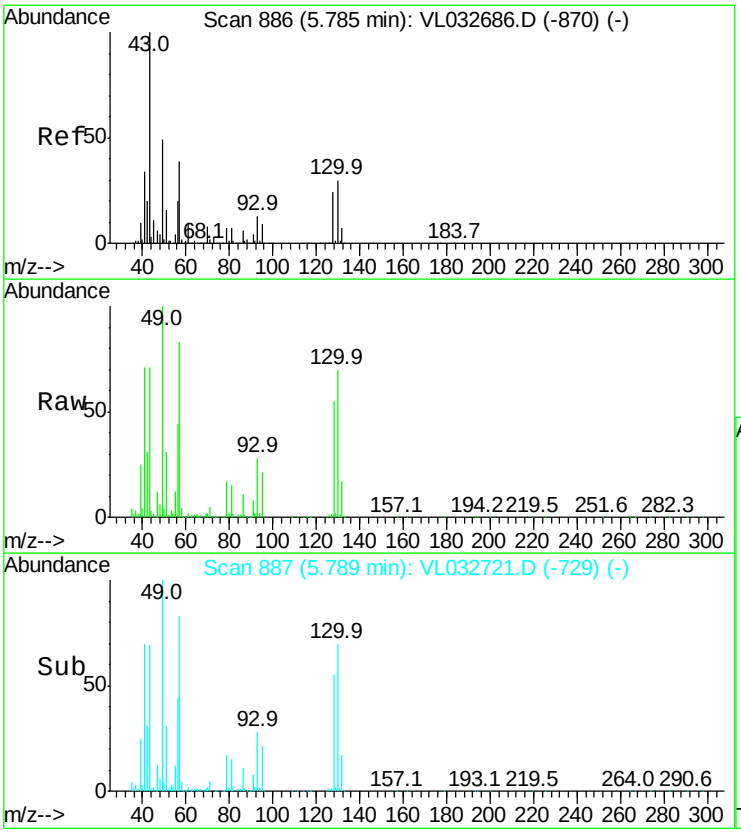
#23
Vinyl Acetate
Concen: 0.586 ppbv
RT: 5.15 min Scan# 687
Delta R.T. -0.02 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 43 Resp: 133670

Ion	Ratio	Lower	Upper
43	100		
86	5.6	6.1	9.1#
42	96.3	7.4	11.2#
44	3.6	4.2	6.2#

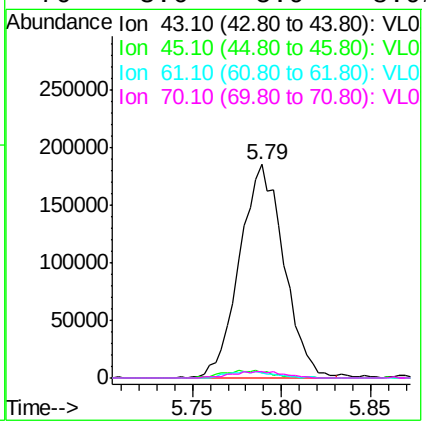


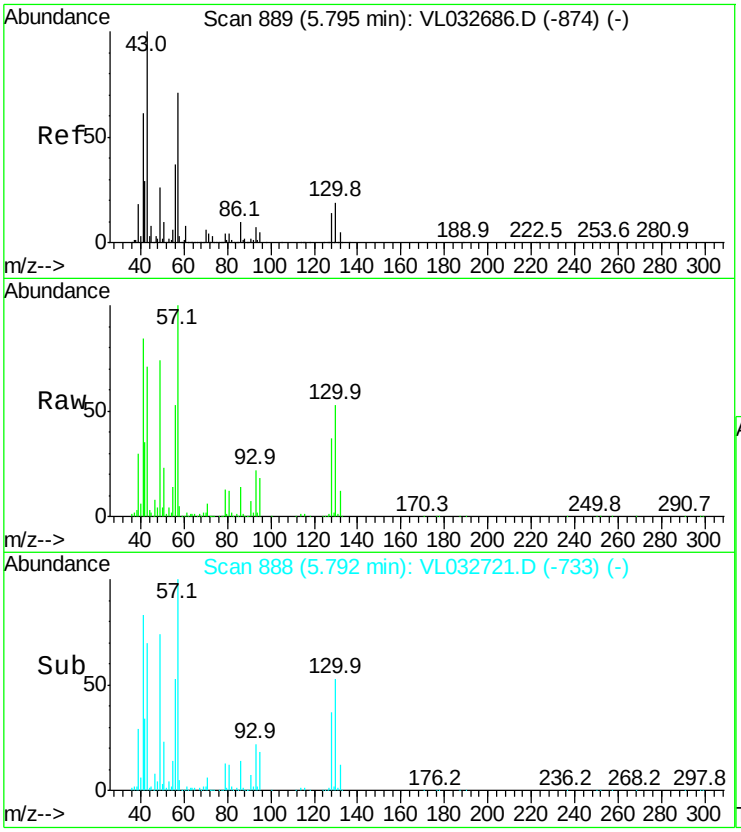


#25
Ethyl Acetate
Concen: 1.070 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 43 Resp: 317150

Ion	Ratio	Lower	Upper
43	100		
45	4.2	8.0	12.0#
61	3.2	8.0	12.0#
70	3.6	5.9	8.9#



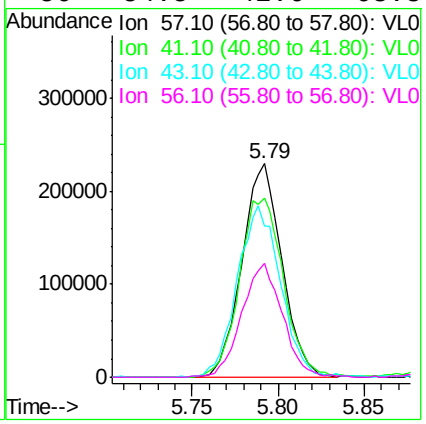


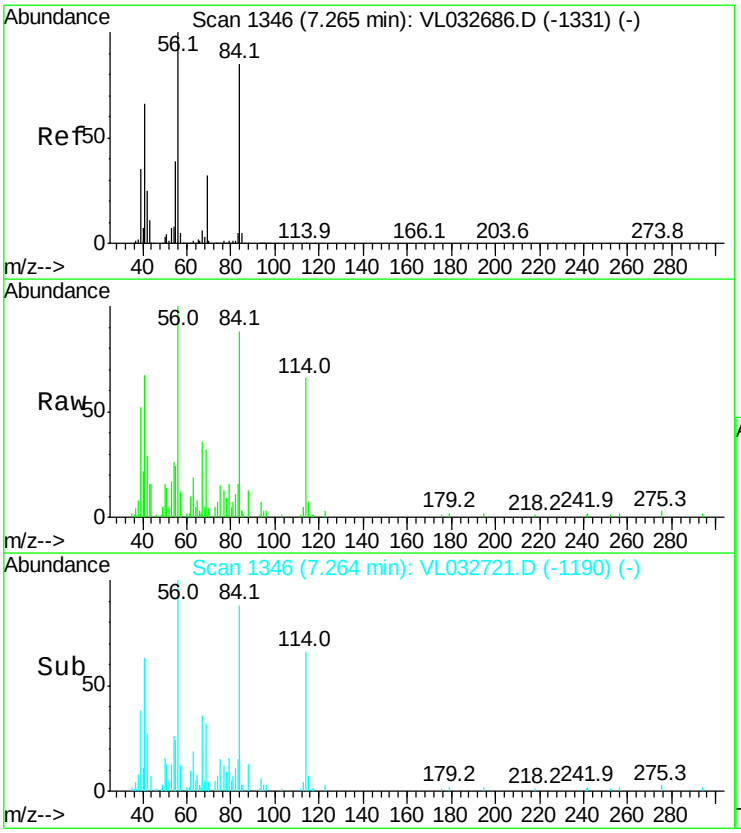
#26
Hexane
Concen: 2.628 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 57 Resp: 368437

Ion	Ratio	Lower	Upper
57	100		
41	92.8	67.4	101.0
43	87.5	171.9	257.9#
56	54.5	42.6	63.8

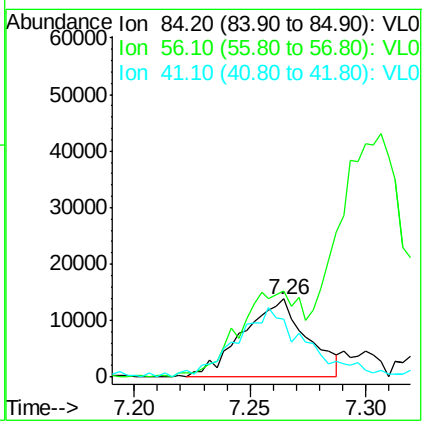


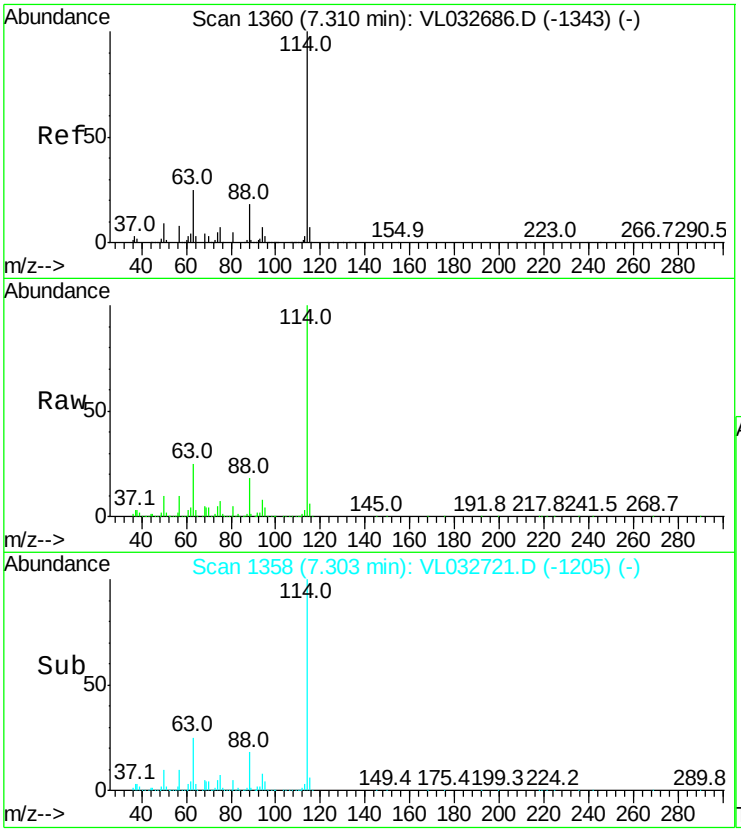


#30
Cyclohexane
Concen: 0.239 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 84 Resp: 26482

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.3	162.5#
41	99.3	64.8	97.2#



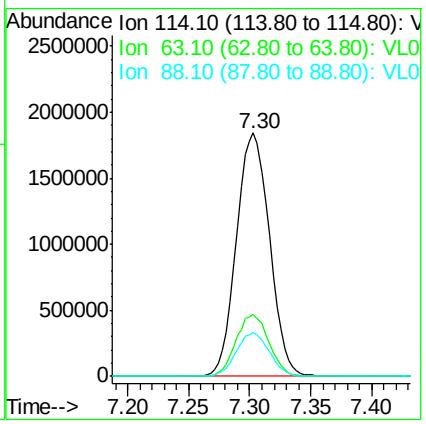


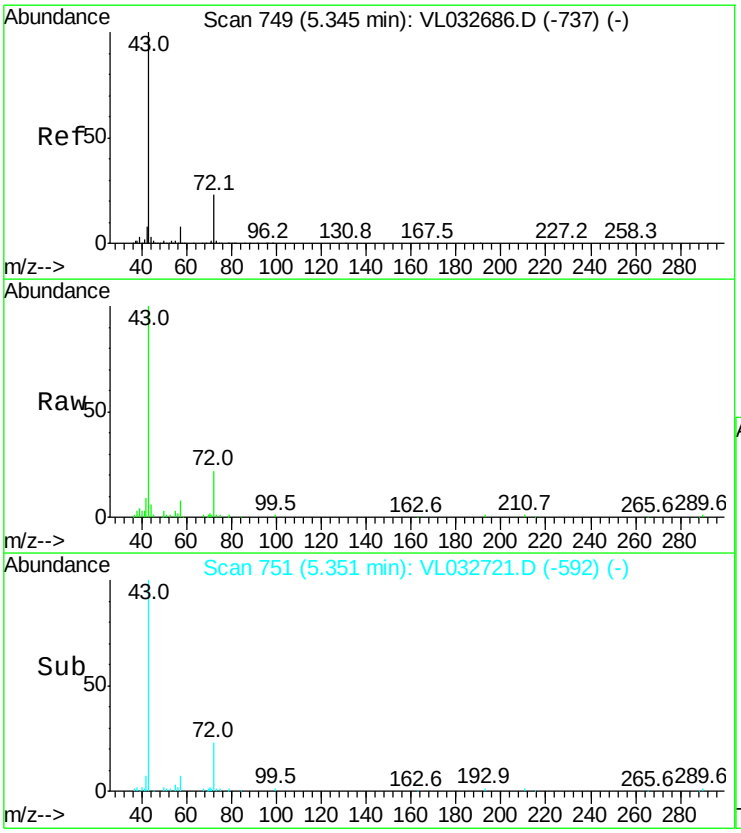
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion:114 Resp: 3451342

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.7	32.5
88	17.9	14.9	22.3

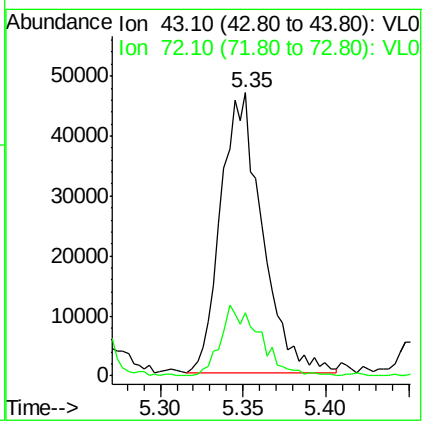


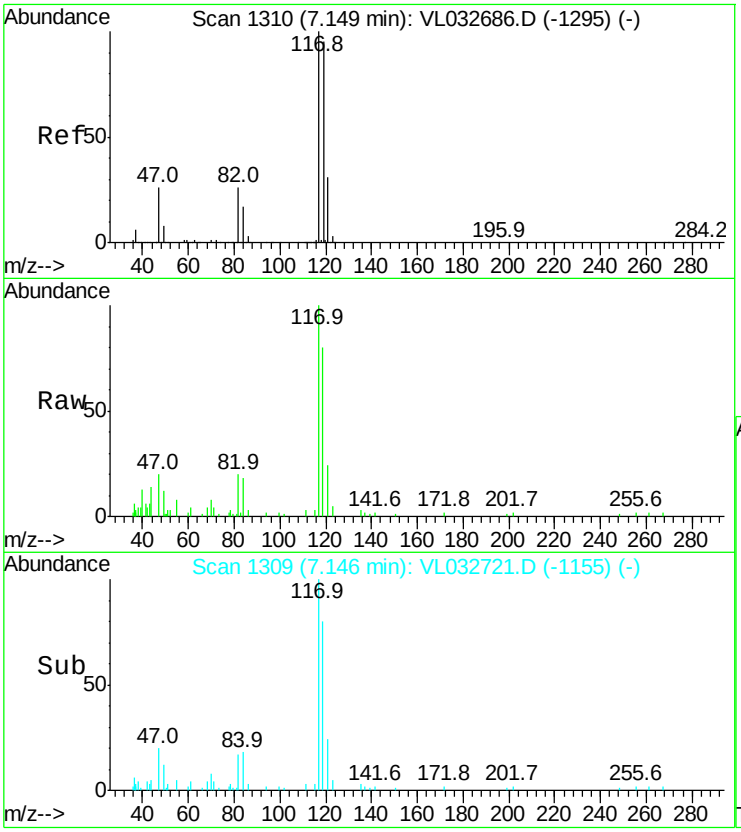


#34
2-Butanone
Concen: 0.439 ppbv
RT: 5.35 min Scan# 751
Delta R.T. 0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 43 Resp: 81165

Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.6	27.8



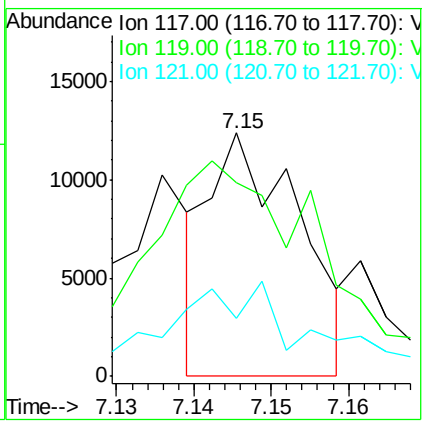


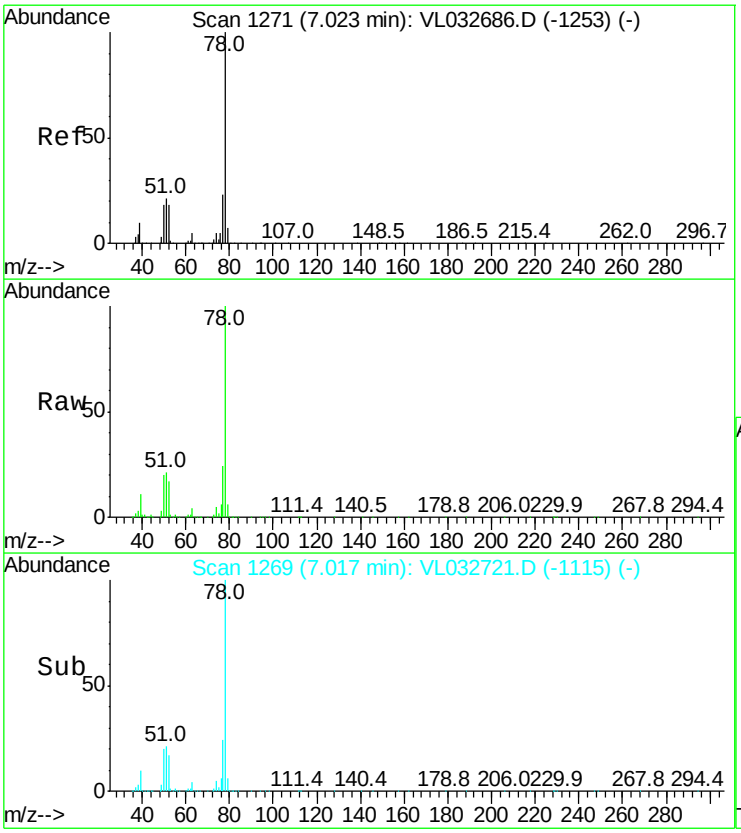
#35
Carbon Tetrachloride
Concen: 0.041 ppbv
RT: 7.15 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion:117 Resp: 10005

Ion	Ratio	Lower	Upper
117	100		
119	65.3	75.7	113.5#
121	13.7	24.7	37.1#

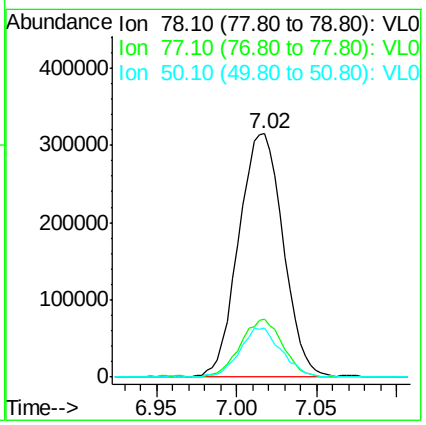


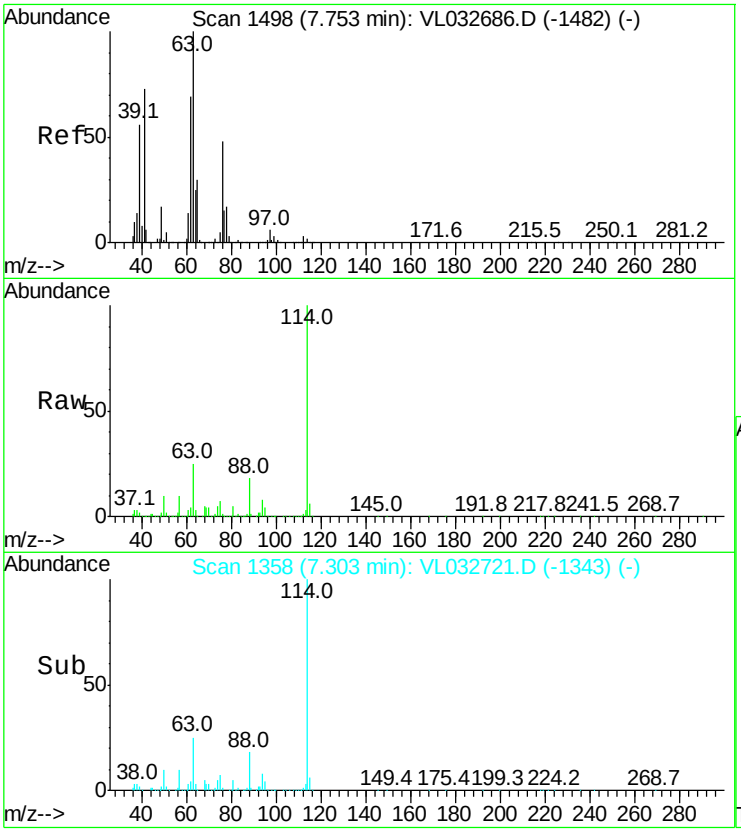


#36
Benzene
Concen: 2.125 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 78 Resp: 595697

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.1	27.1
50	20.1	15.1	22.7



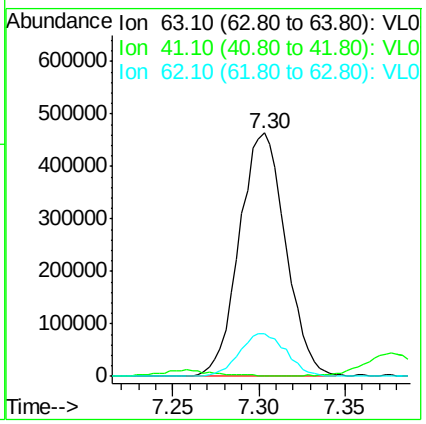


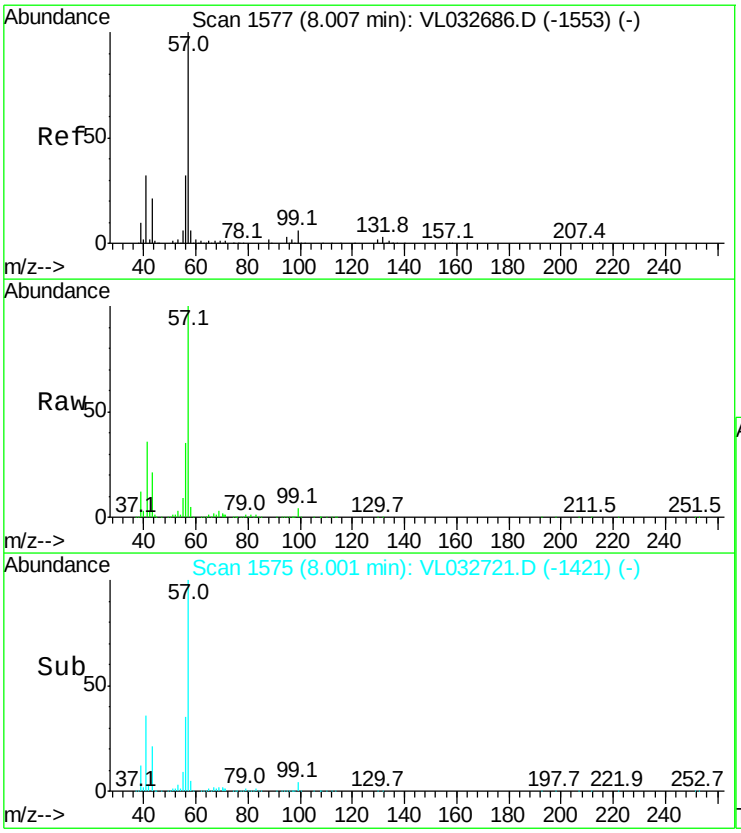
#39
1,2-Dichloropropane
Concen: 8.001 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.45 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 63 Resp: 865953

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.2	84.4#
62	17.4	54.4	81.6#

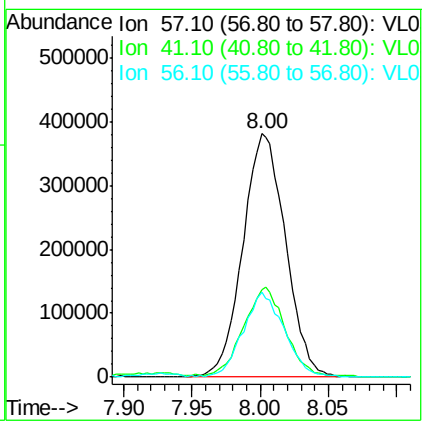


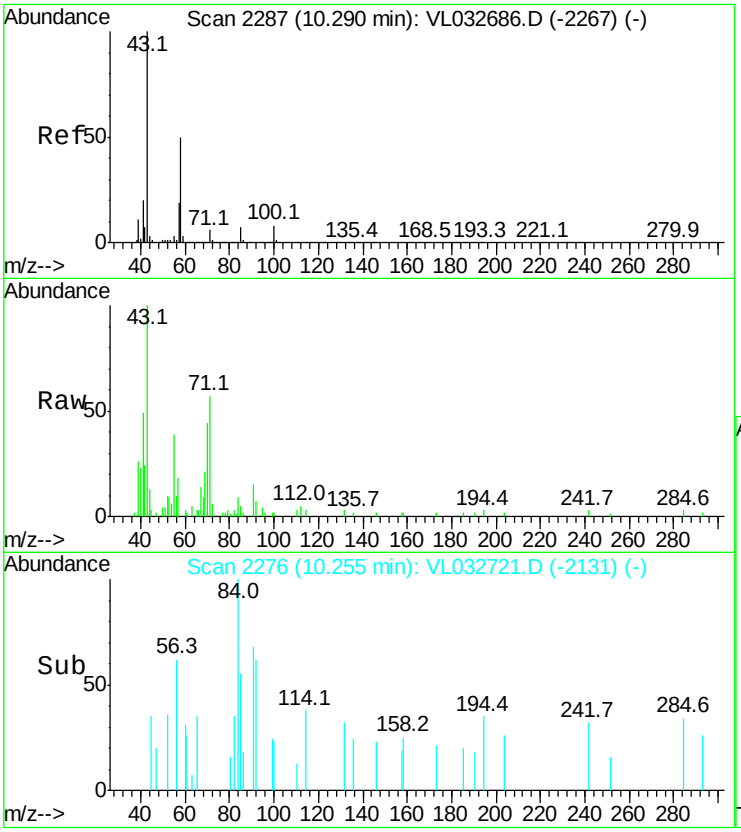


#44
2,2,4-Trimethylpentane
Concen: 1.717 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 57 Resp: 821330

Ion	Ratio	Lower	Upper
57	100		
41	36.8	24.7	37.1
56	34.3	25.0	37.4



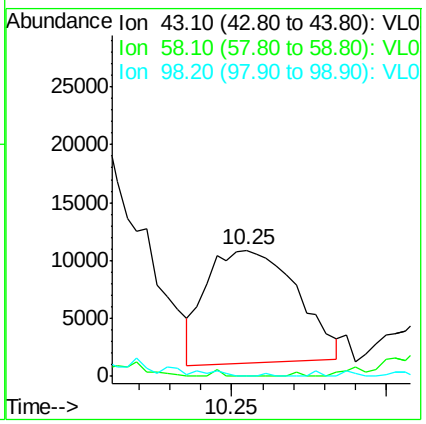


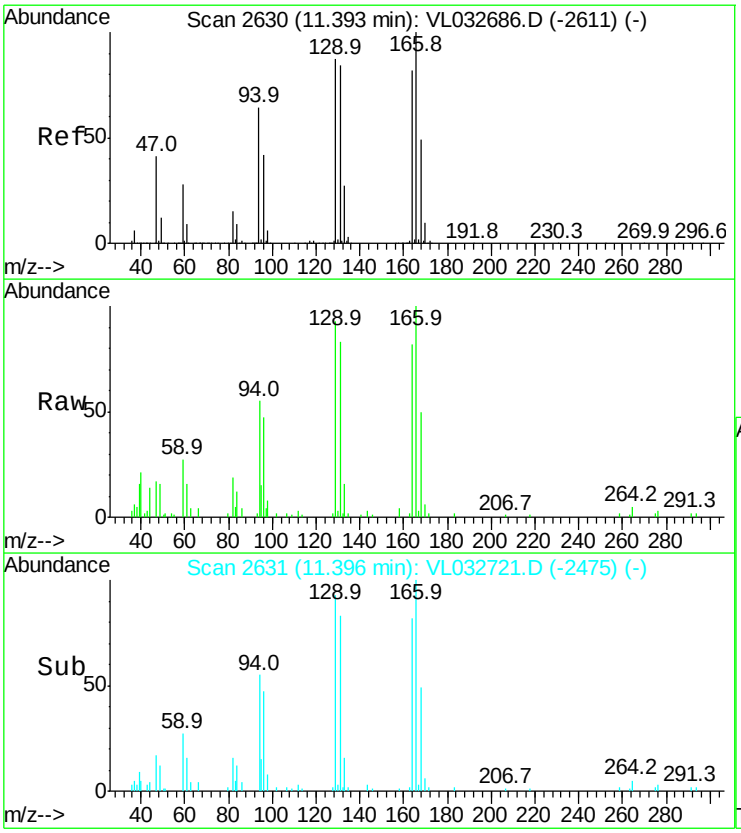
#51
2-Hexanone
Concen: 0.097 ppbv
RT: 10.25 min Scan# 2276
Delta R.T. -0.03 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 43 Resp: 19839

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.4	60.6#
98	1.5	0.4	0.6#

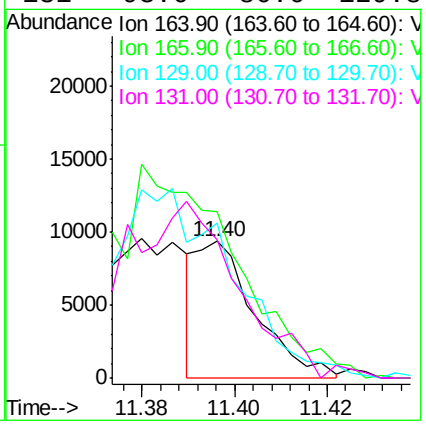


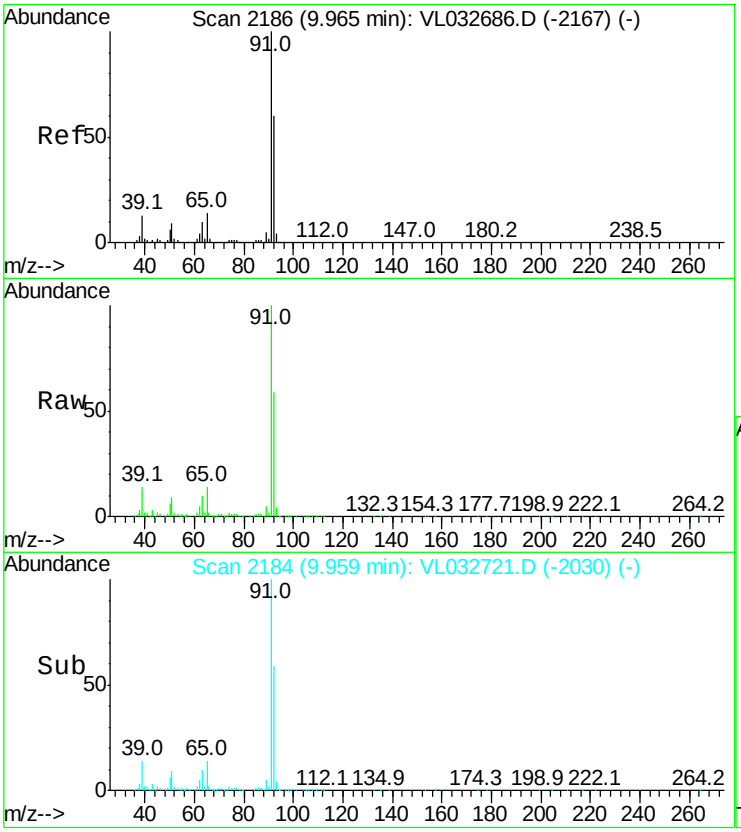


#52
Tetrachloroethene
Concen: 0.083 ppbv
RT: 11.40 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion:164 Resp: 8067

Ion	Ratio	Lower	Upper
164	100		
166	114.2	100.5	150.7
129	106.4	90.0	135.0
131	93.6	86.6	129.8



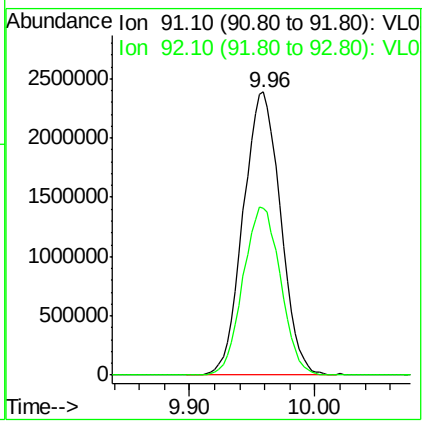


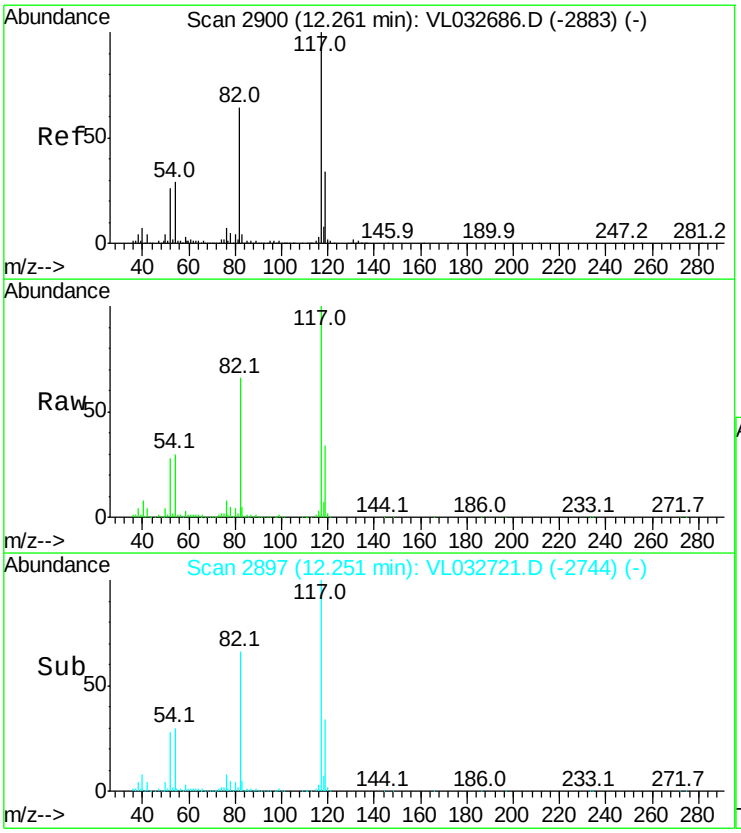
#53
Toluene
Concen: 15.398 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 91 Resp: 4946797

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.4	72.6

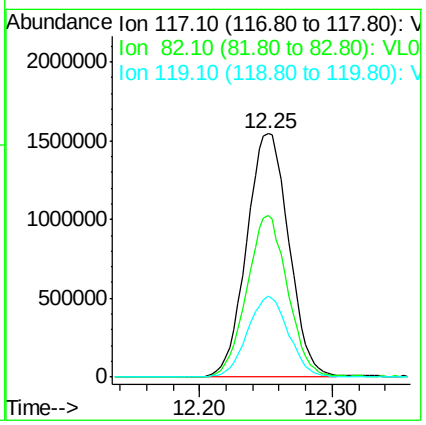


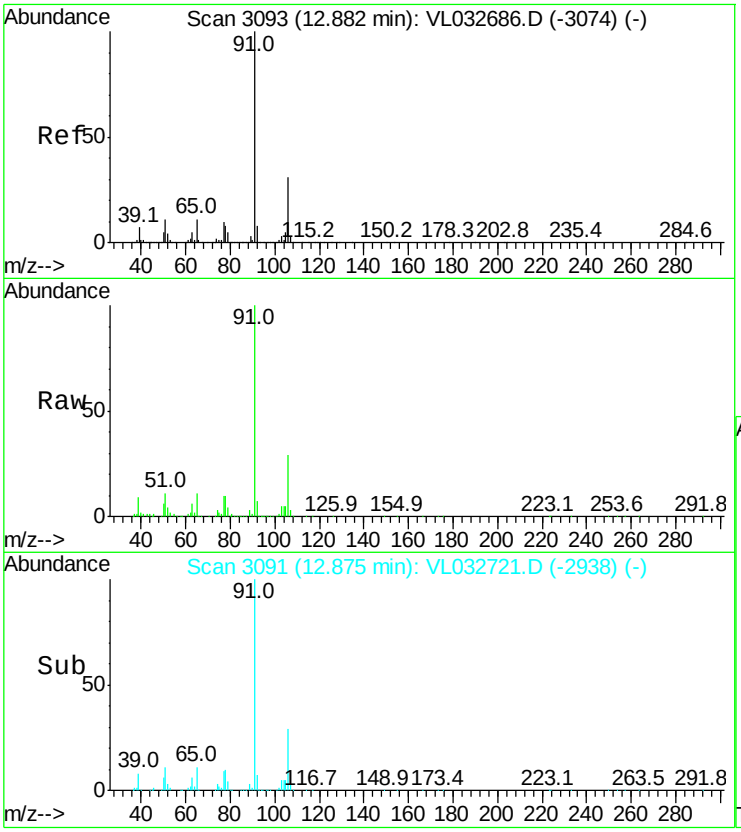


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion:117 Resp: 3415643

Ion	Ratio	Lower	Upper
117	100		
82	64.5	52.7	79.1
119	32.4	26.7	40.1



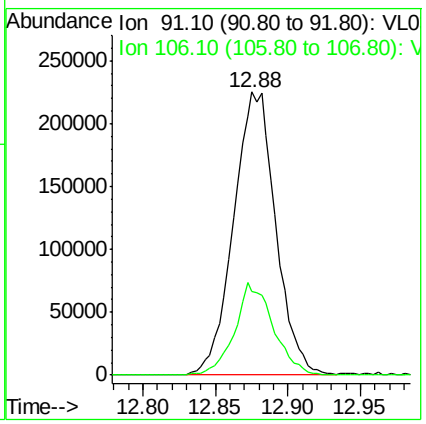


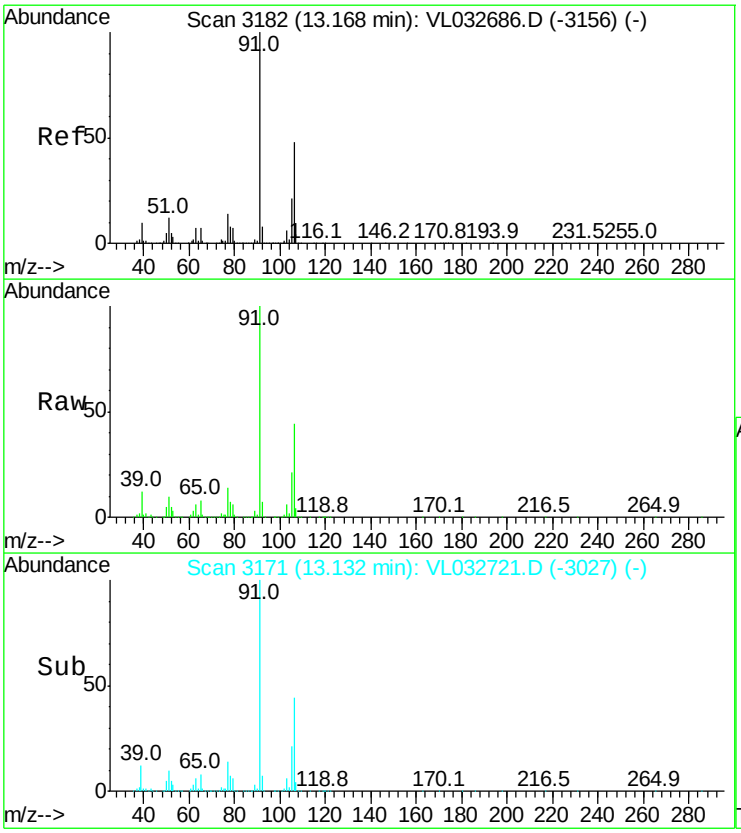
#58
Ethyl Benzene
Concen: 1.139 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 91 Resp: 452043

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.2	36.2

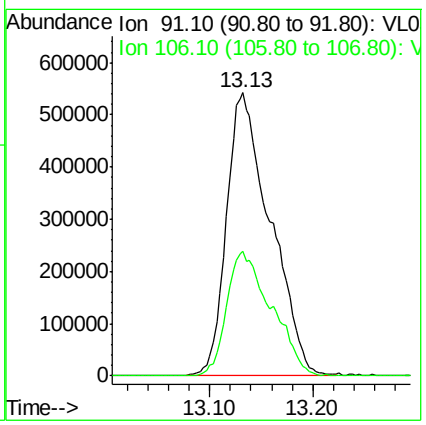


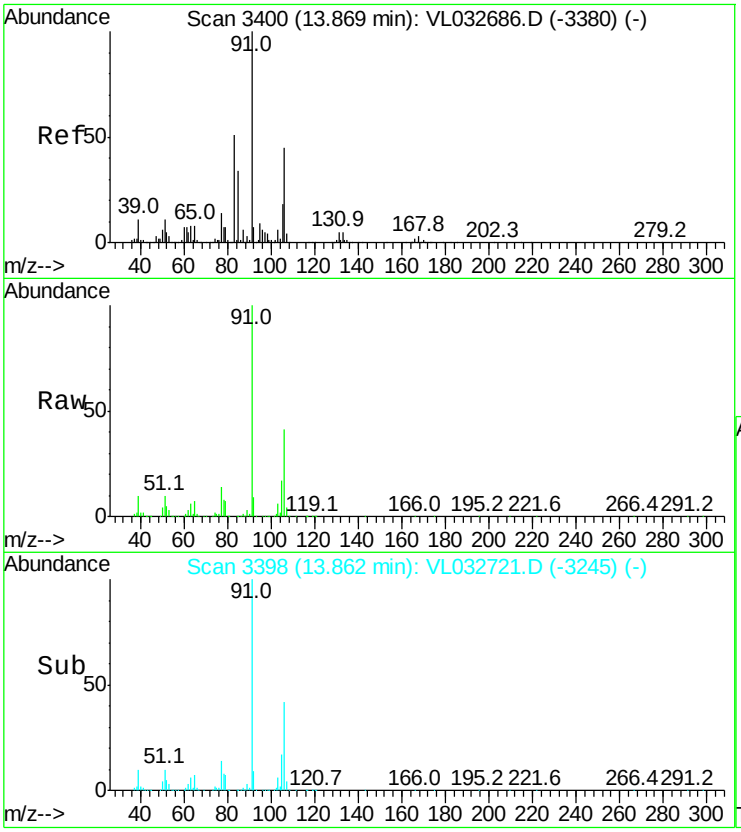


#59
m/p-Xylene
Concen: 4.517 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion: 91 Resp: 1595989

Ion	Ratio	Lower	Upper
91	100		
106	45.0	35.9	53.9



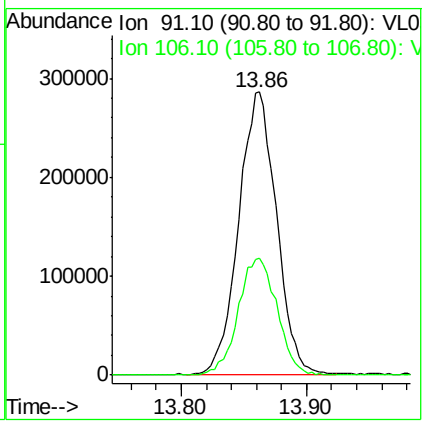


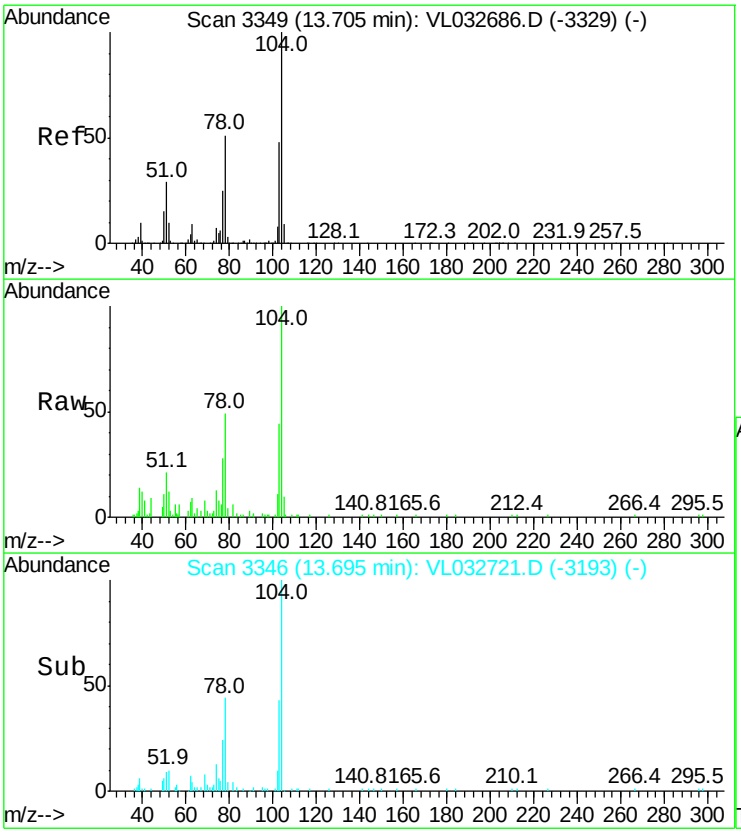
#60
o-Xylene
Concen: 1.756 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 91 Resp: 598651

Ion	Ratio	Lower	Upper
91	100		
106	42.7	22.1	66.1

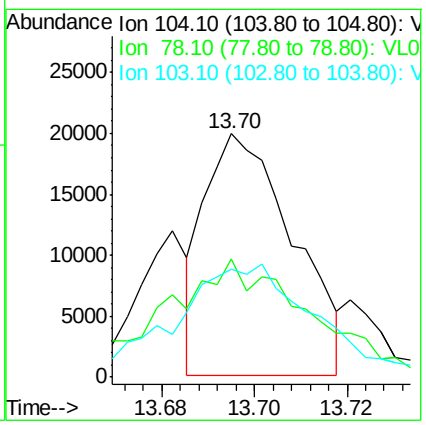


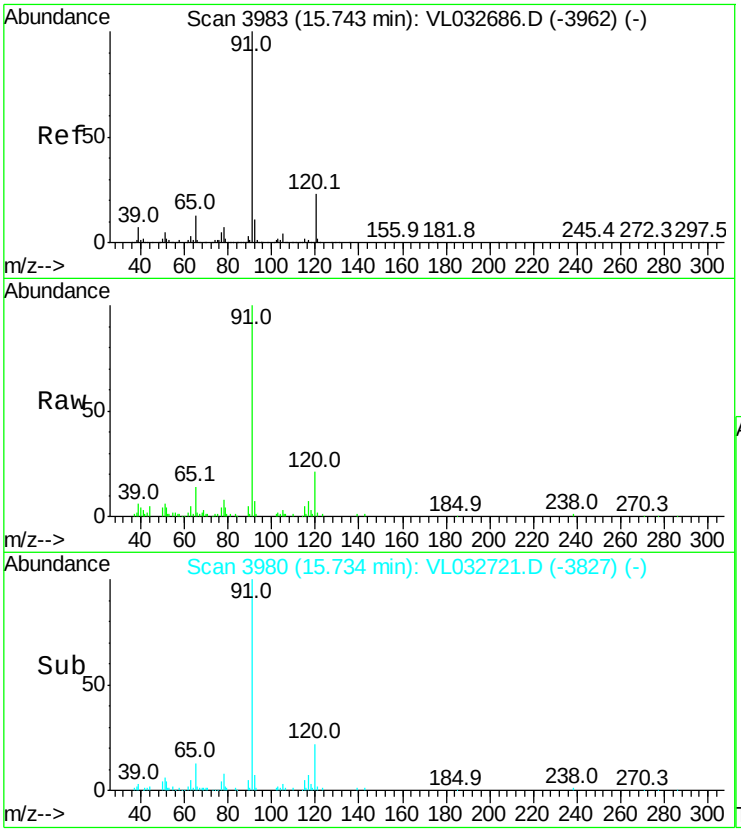


#61
Styrene
Concen: 0.114 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion:104 Resp: 26153

Ion	Ratio	Lower	Upper
104	100		
78	83.8	42.8	64.2#
103	77.7	37.4	56.0#



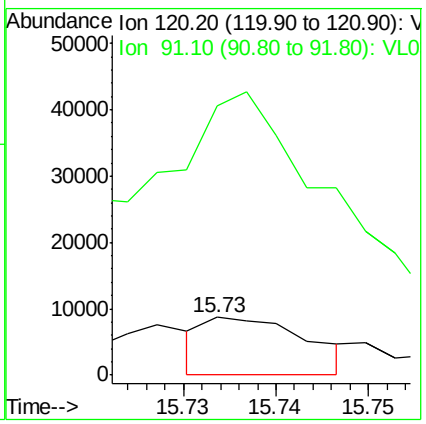


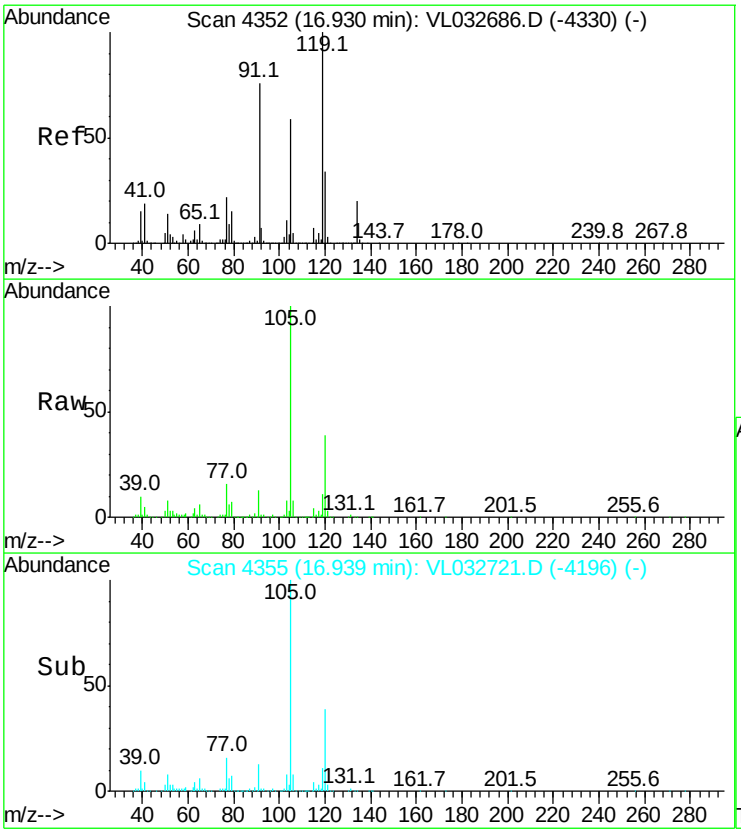
#64
n-propylbenzene
Concen: 0.055 ppbv
RT: 15.73 min Scan# 3980
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion:120 Resp: 6614

Ion	Ratio	Lower	Upper
120	100		
91	1307.5	390.2	585.2#

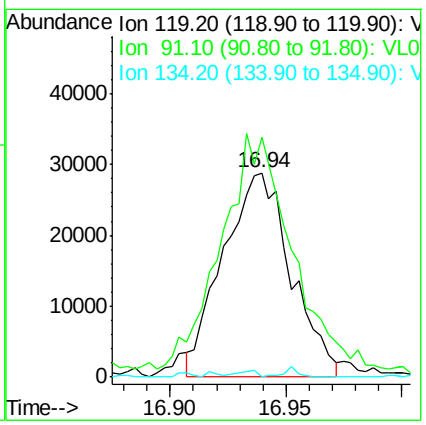


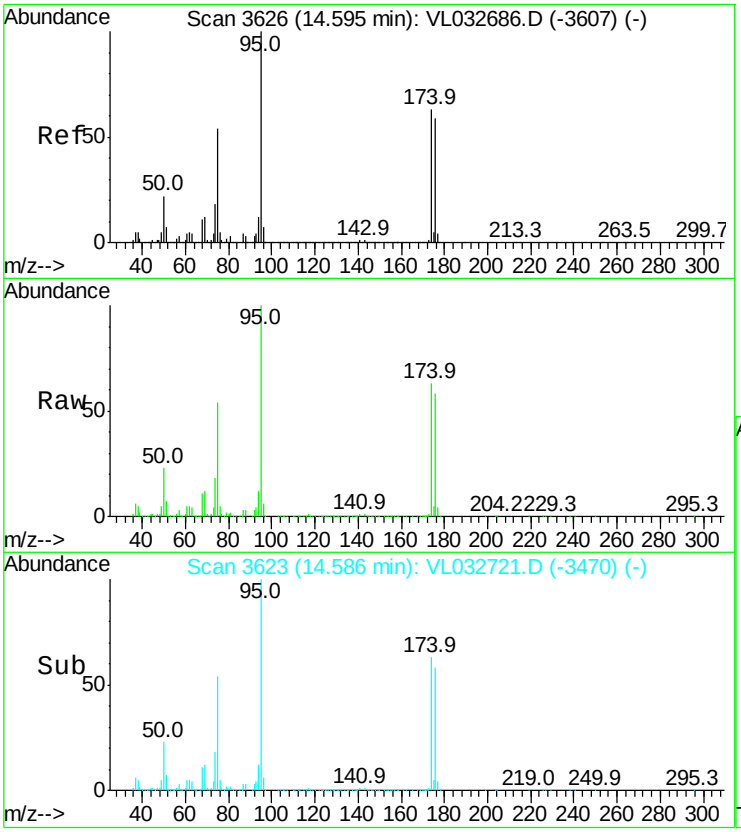


#65
tert-Butylbenzene
Concen: 0.143 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion:119 Resp: 58852

Ion	Ratio	Lower	Upper
119	100		
91	131.5	67.8	101.8#
134	2.8	15.8	23.8#



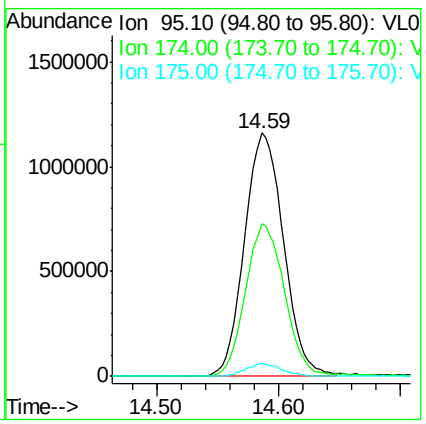


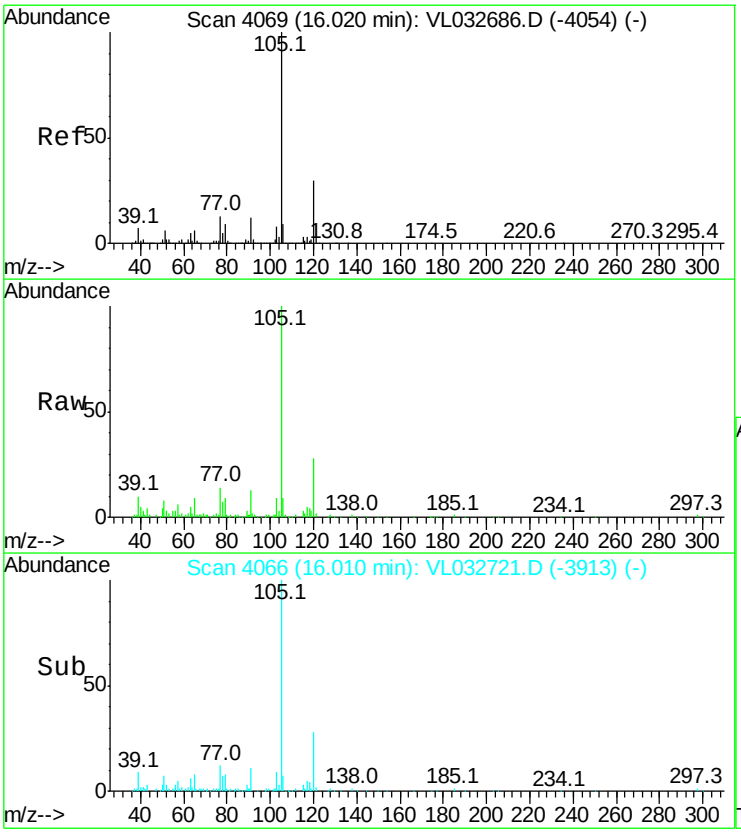
#68
1-Bromo-4-Fluorobenzene
Concen: 10.101 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 95 Resp: 2568797

Ion	Ratio	Lower	Upper
95	100		
174	63.7	46.0	69.0
175	4.8	3.4	5.0

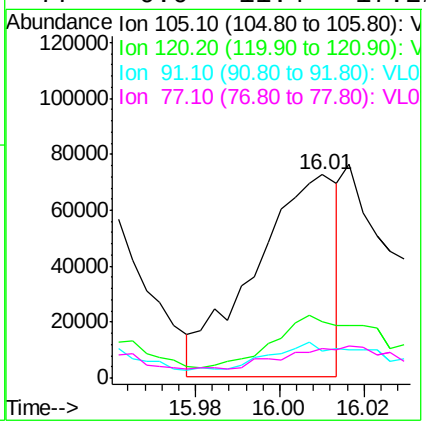


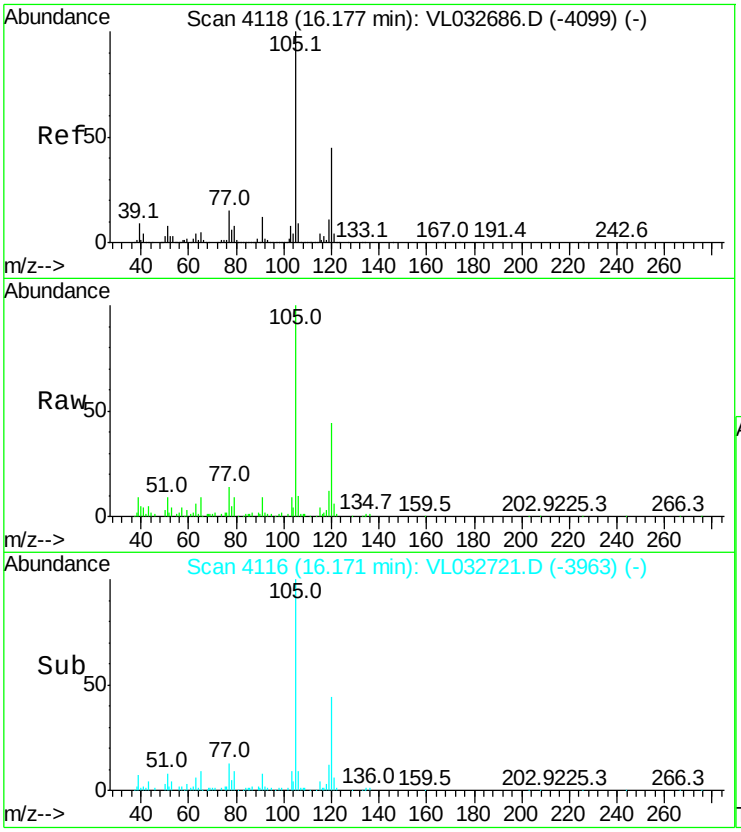


#72
4-Ethyltoluene
Concen: 0.272 ppbv
RT: 16.01 min Scan# 4066
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion:105 Resp: 98757

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	35.5#
91	28.1	10.4	15.6#
77	0.0	11.4	17.2#



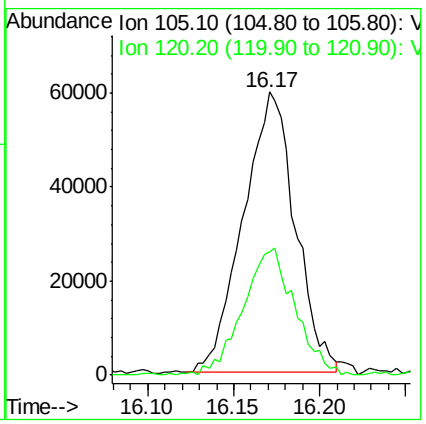


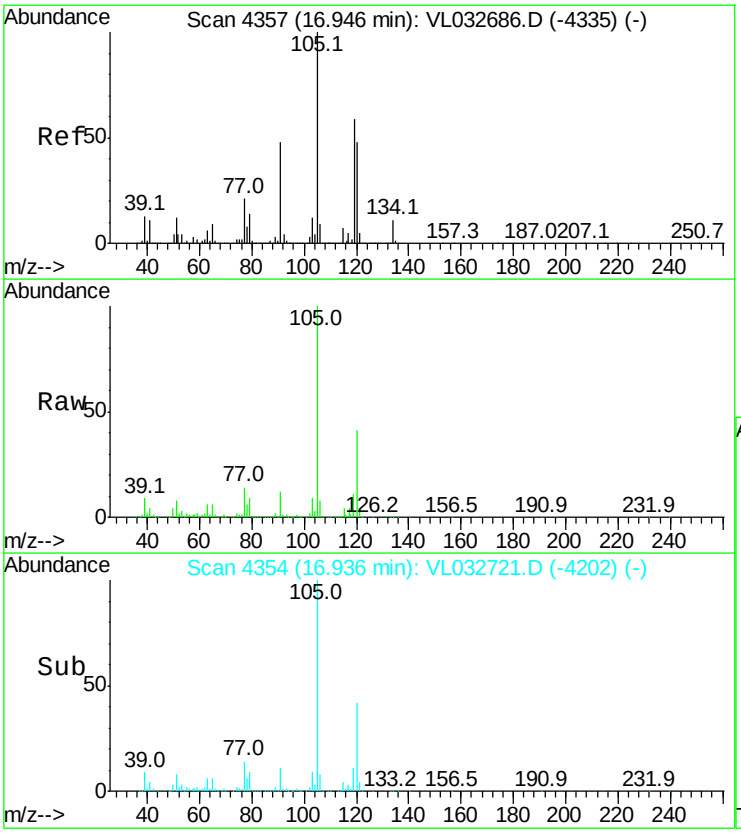
#73
1,3,5-Trimethylbenzene
Concen: 0.355 ppbv
RT: 16.17 min Scan# 4116
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion:105 Resp: 125487

Ion	Ratio	Lower	Upper
105	100		
120	43.2	35.4	53.2

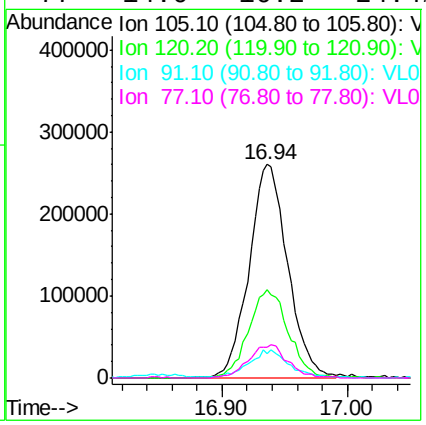


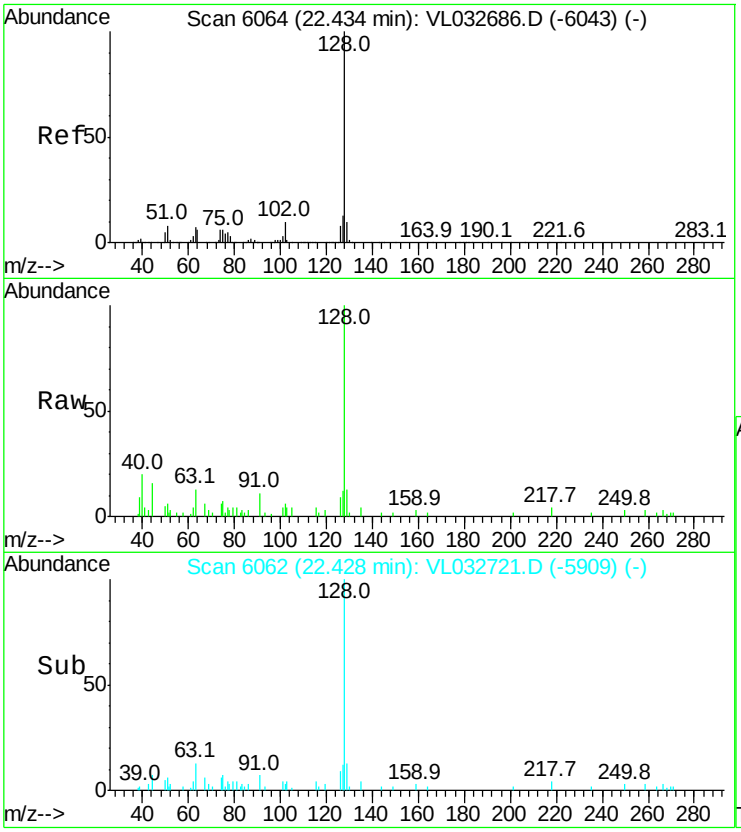


#74
1,2,4-Trimethylbenzene
Concen: 1.477 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Tgt Ion:105 Resp: 557798

Ion	Ratio	Lower	Upper
105	100		
120	41.5	35.8	53.8
91	10.9	33.2	49.8#
77	14.0	16.2	24.4#





#79
Naphthalene
Concen: 0.060 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. -0.01 min
Lab File: VL032721.D
Acq: 7 Nov 2018 17:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion:128 Resp: 13989

Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.3	15.5
129	14.1	8.6	13.0#