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

Quantitation Report (Not Reviewed)

Data File : VL032720.D
Acq On : 7 Nov 2018 16:59
Operator : SY/AP
Sample : J5823-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-01

Quant Time: Nov 08 10:52:54 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	1421321	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3502743	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3460549	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2578572	10.01	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	36526	0.252	ppbv		95
3) Chlorodifluoromethane	3.02	51	68445	0.616	ppbv		92
4) Chloromethane	3.18	50	28178	0.454	ppbv		99
9) Propene	3.05	41	211427	4.622	ppbv		86
10) Heptane	8.26	43	74877	0.425	ppbv		97
11) Trichlorofluoromethane	4.02	101	45157	0.239	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.56	101	14077	0.089	ppbv		93
13) Ethanol	3.67	45	106273	8.129	ppbv		97
15) Acetone	3.91	43	560631	4.272	ppbv		94
16) 1,3-Butadiene	3.37	39	17396	0.360	ppbv	#	36
19) Isopropyl Alcohol	4.04	45	34400	0.368	ppbv	#	93
20) Methylene Chloride	4.42	84	124680	1.871	ppbv		99
21) Allyl Chloride	4.44	41	34888	0.324	ppbv	#	21
23) Vinyl Acetate	5.15	43	120034	0.516	ppbv	#	1
25) Ethyl Acetate	5.79	43	308973	1.023	ppbv	#	84
26) Hexane	5.79	57	360945	2.525	ppbv	#	48
29) Chloroform	5.86	83	18335	0.080	ppbv		96
30) Cyclohexane	7.26	84	12485	0.110	ppbv	#	1
34) 2-Butanone	5.35	43	83755	0.446	ppbv		99
35) Carbon Tetrachloride	7.15	117	9795	0.039	ppbv		93
36) Benzene	7.02	78	599496	2.108	ppbv		97
39) 1,2-Dichloropropane	7.30	63	873892	7.956	ppbv	#	26
41) Tetrahydrofuran	6.44	42	27936	0.267	ppbv	#	36
44) 2,2,4-Trimethylpentane	8.00	57	805895	1.660	ppbv	#	91
52) Tetrachloroethene	11.38	164	12692	0.128	ppbv	#	76
53) Toluene	9.96	91	4907106	15.050	ppbv		100
58) Ethyl Benzene	12.88	91	448639	1.116	ppbv		97
59) m/p-Xylene	13.13	91	1592838	4.449	ppbv		100
60) o-Xylene	13.86	91	600481	1.739	ppbv		98
61) Styrene	13.70	104	37147	0.160	ppbv		90
64) n-propylbenzene	15.73	120	15362	0.126	ppbv		87
65) tert-Butylbenzene	16.94	119	58855	0.141	ppbv	#	49
69) p-Isopropyltoluene	17.82	119	14179	0.030	ppbv	#	65
72) 4-Ethyltoluene	16.01	105	160646	0.437	ppbv	#	96
73) 1,3,5-Trimethylbenzene	16.17	105	124807	0.348	ppbv		95
74) 1,2,4-Trimethylbenzene	16.93	105	547765	1.432	ppbv	#	75
79) Naphthalene	22.42	128	11580	0.049	ppbv	#	84

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

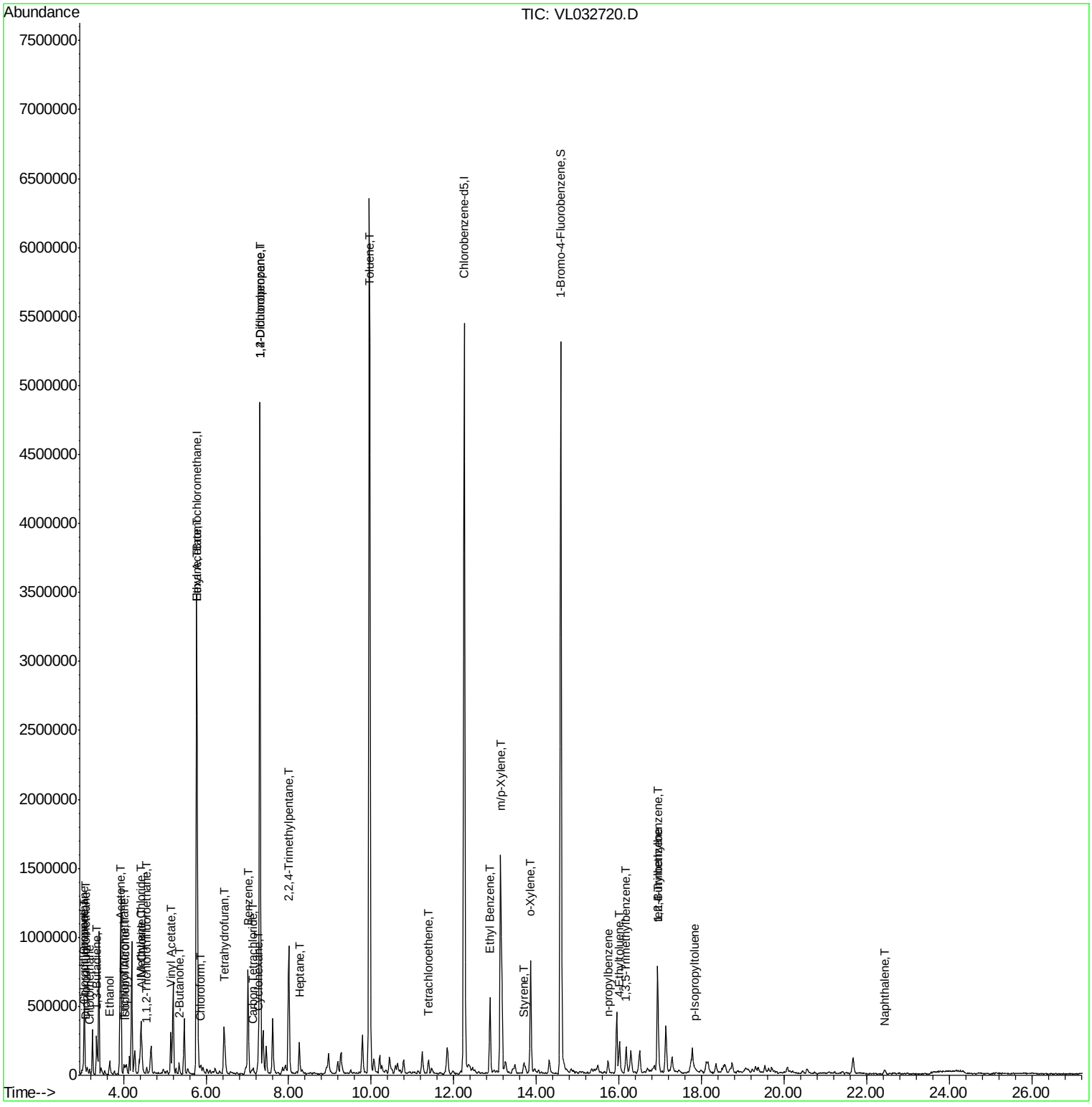
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110718\

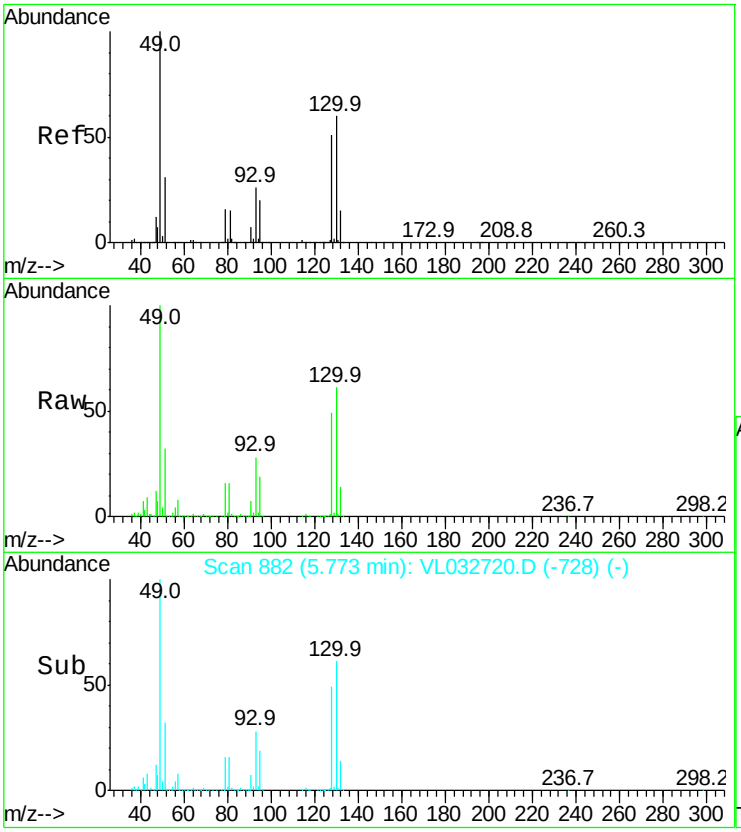
Quantitation Report (Not Reviewed)

Data File : VL032720.D
Acq On : 7 Nov 2018 16:59
Operator : SY/AP
Sample : J5823-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-01

Quant Time: Nov 08 10:52:54 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



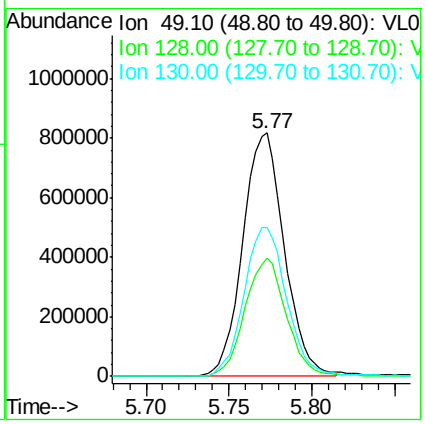


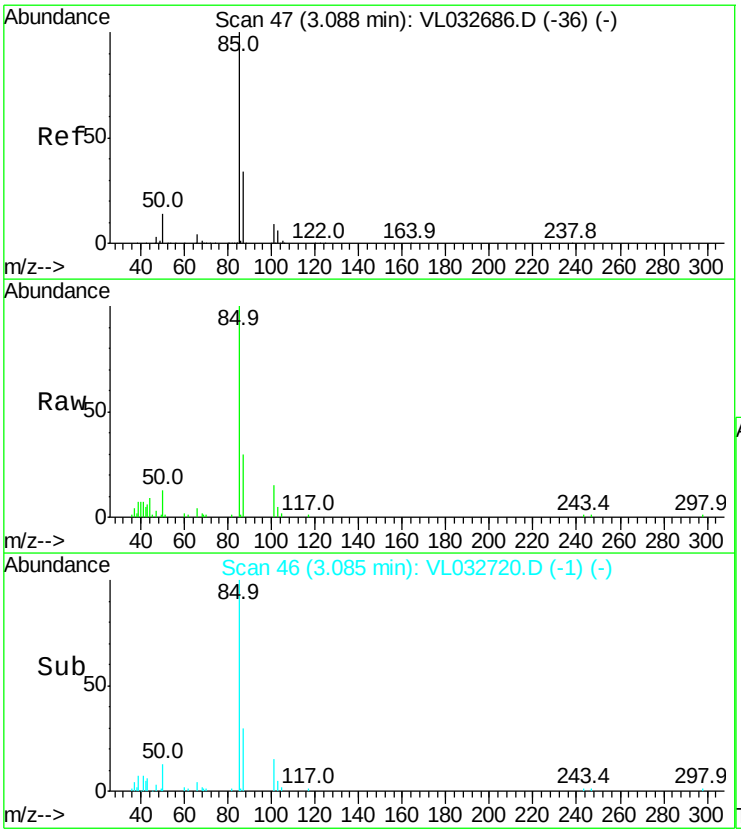
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 49 Resp: 1421321

Ion	Ratio	Lower	Upper
49	100		
128	49.1	22.3	66.8
130	63.6	28.4	85.3

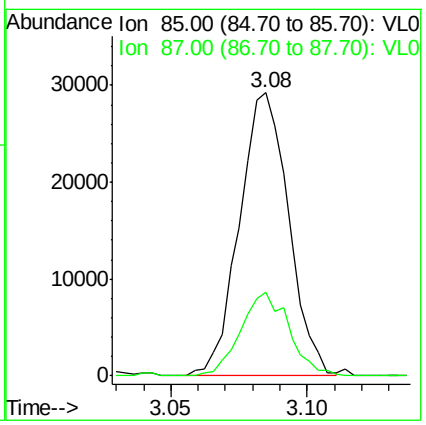


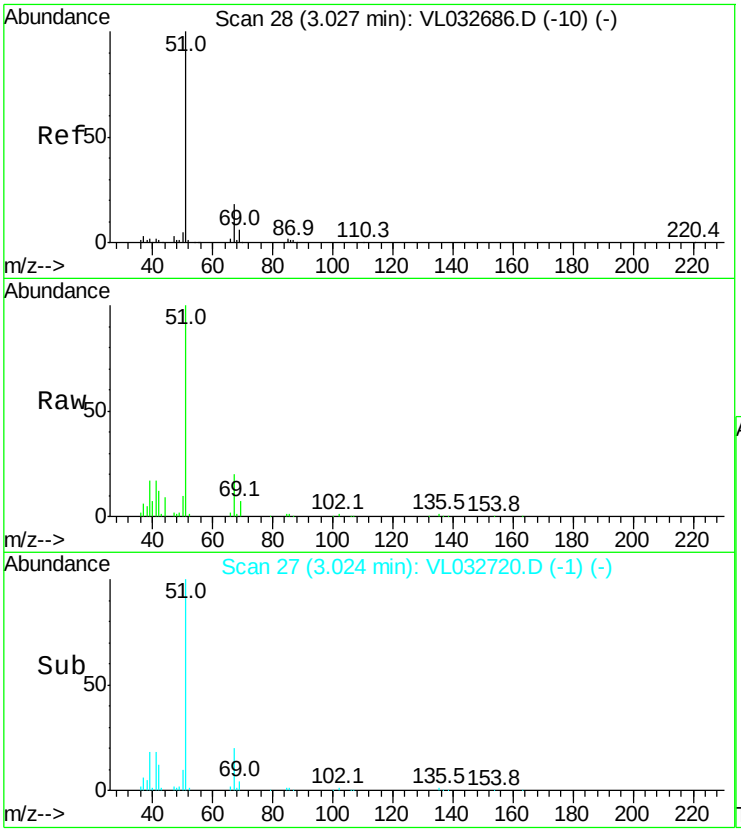


#2
Dichlorodifluoromethane
Concen: 0.252 ppbv
RT: 3.08 min Scan# 46
Delta R.T. 0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 85 Resp: 36526

Ion	Ratio	Lower	Upper
85	100		
87	29.7	26.2	39.2



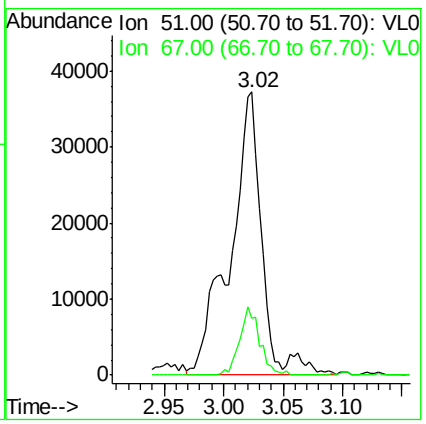


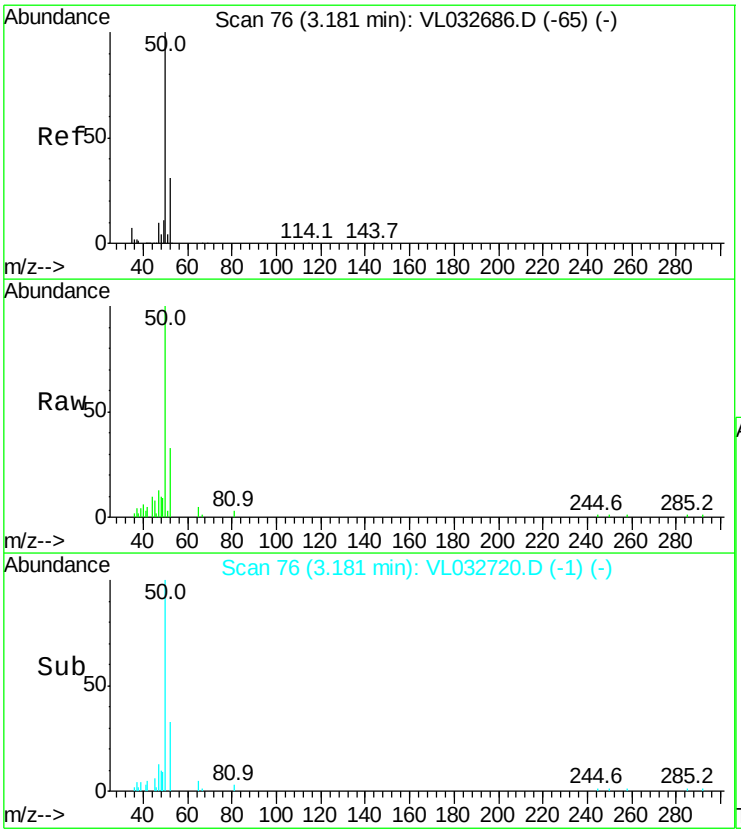
#3
Chlorodifluoromethane
Concen: 0.616 ppbv
RT: 3.02 min Scan# 27
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 51 Resp: 68445

Ion	Ratio	Lower	Upper
51	100		
67	15.3	15.2	22.8

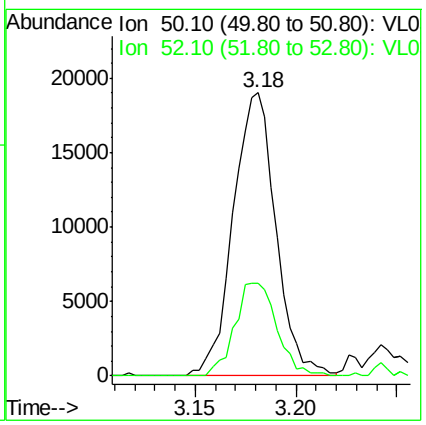


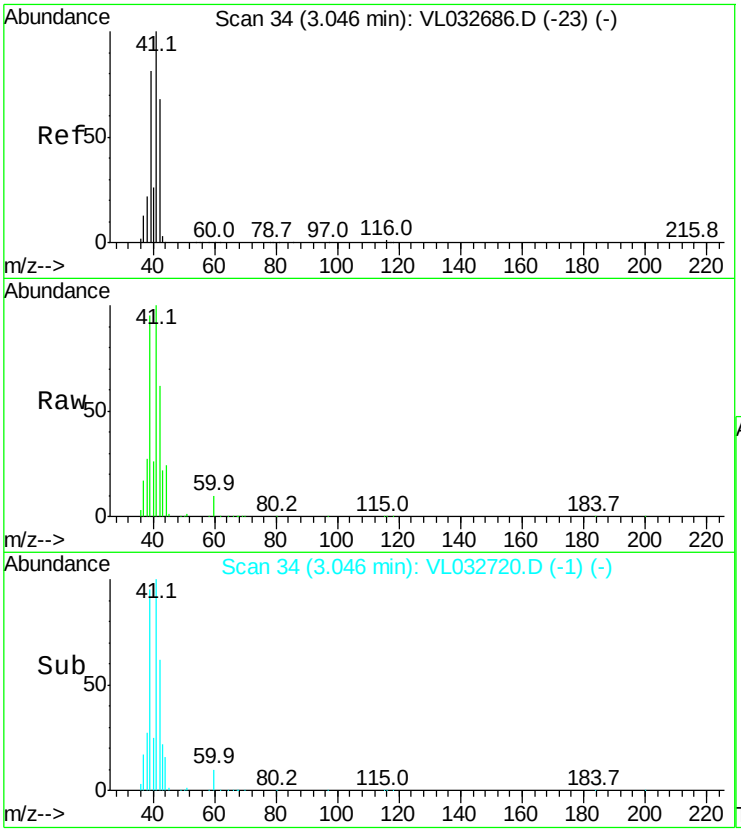


#4
Chloromethane
Concen: 0.454 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 50 Resp: 28178

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.9	38.9



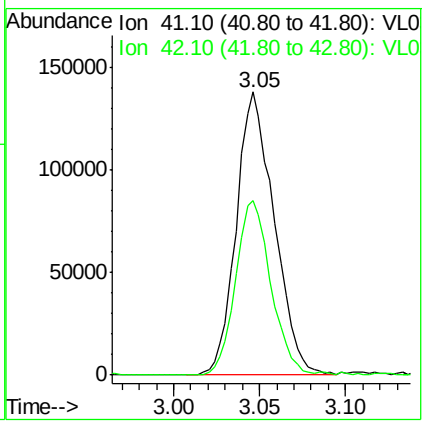


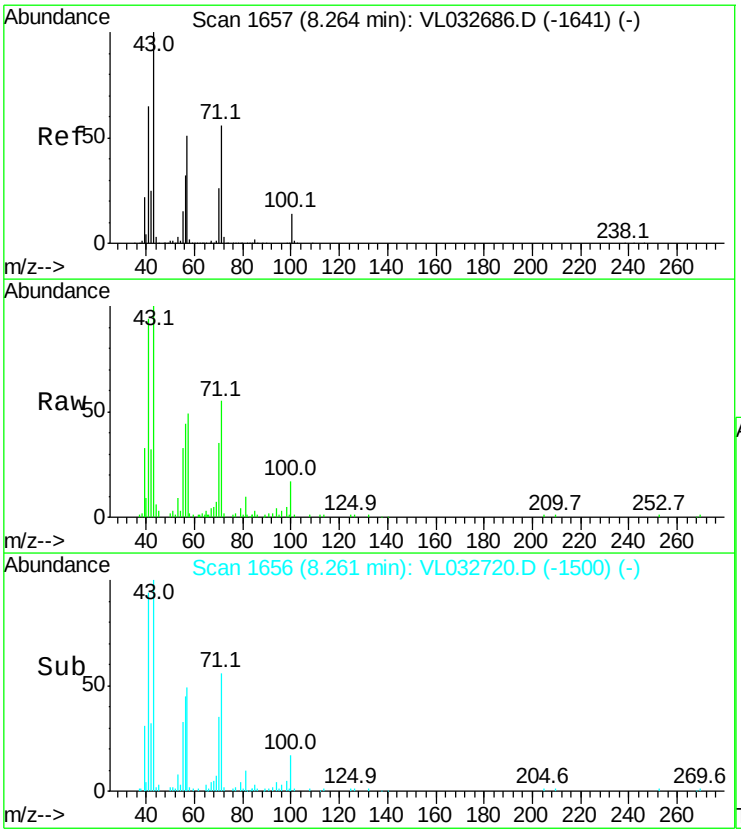
#9
Propene
Concen: 4.622 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 41 Resp: 211427

Ion	Ratio	Lower	Upper
41	100		
42	58.2	55.4	83.0

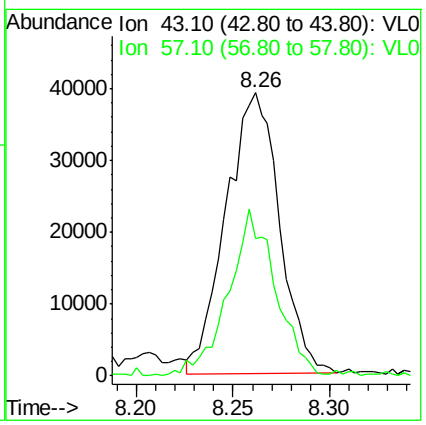


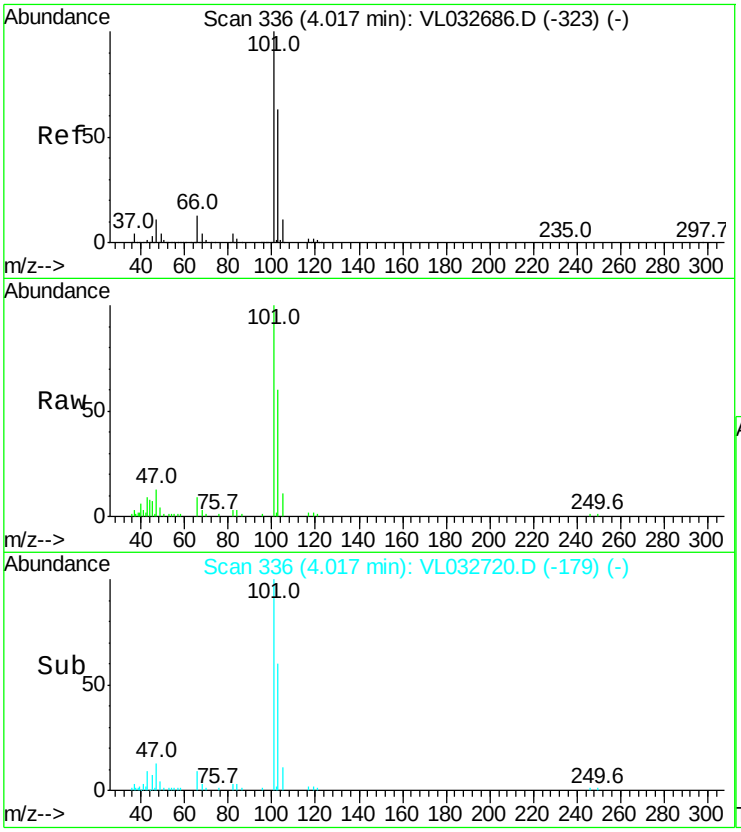


#10
Heptane
Concen: 0.425 ppbv
RT: 8.26 min Scan# 1656
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 43 Resp: 74877

Ion	Ratio	Lower	Upper
43	100		
57	53.8	41.5	62.3



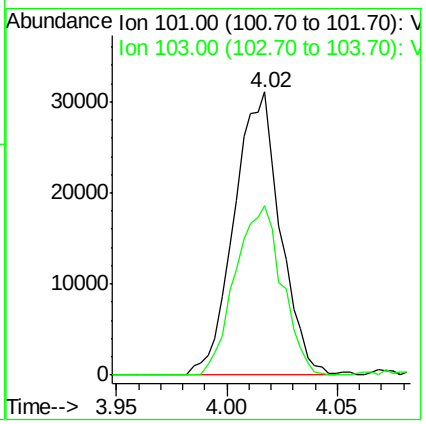


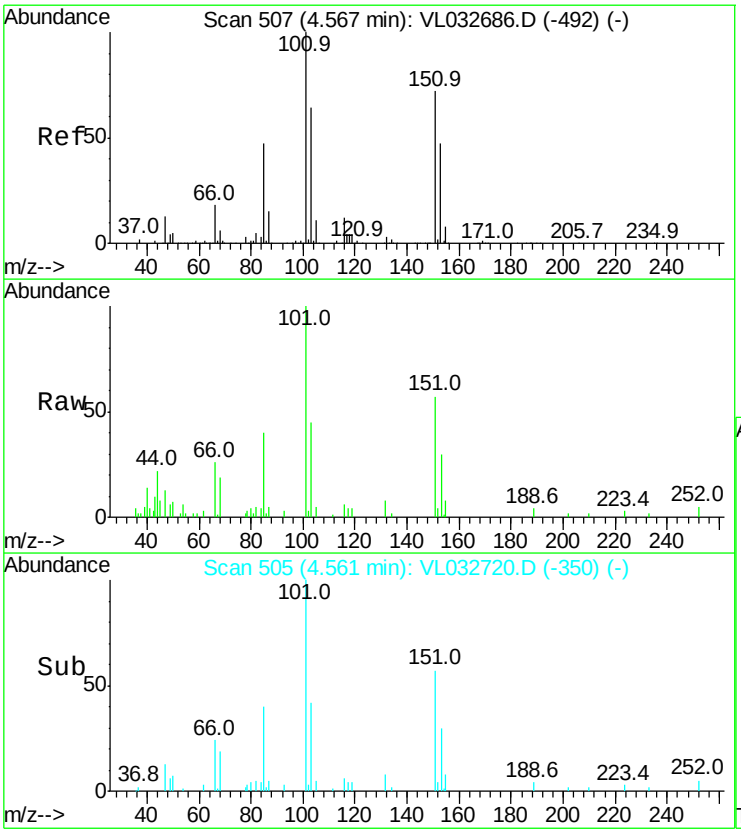
#11
Trichlorofluoromethane
Concen: 0.239 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion:101 Resp: 45157

Ion	Ratio	Lower	Upper
101	100		
103	59.9	51.4	77.2

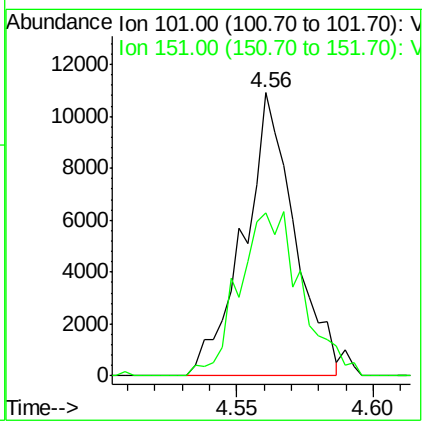


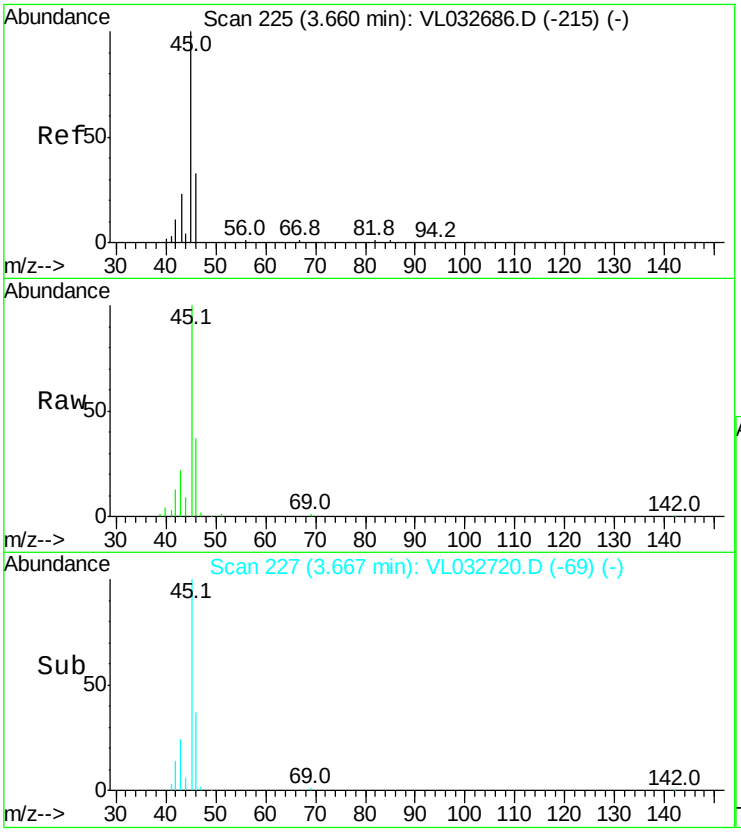


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.089 ppbv
RT: 4.56 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion:101 Resp: 14077

Ion	Ratio	Lower	Upper
101	100		
151	71.3	52.3	78.5



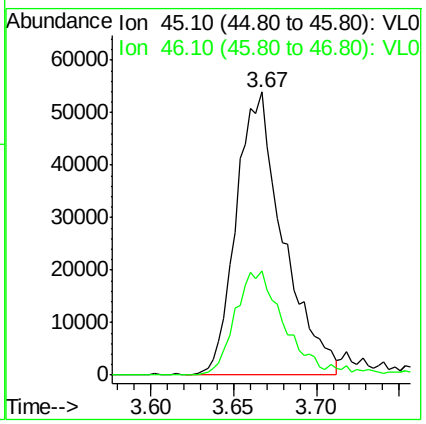


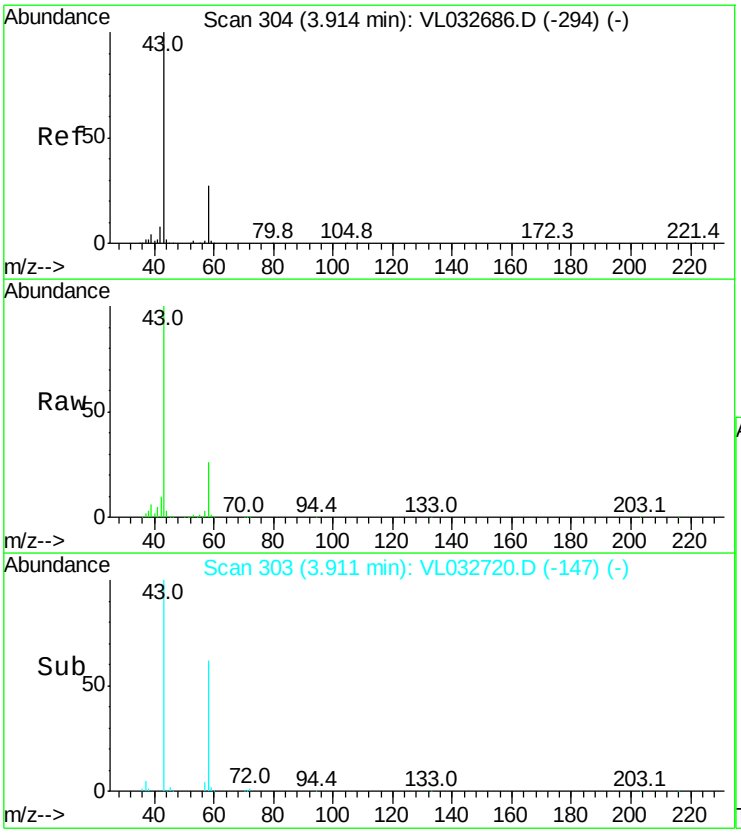
#13
Ethanol
Concen: 8.129 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 45 Resp: 106273

Ion	Ratio	Lower	Upper
45	100		
46	40.3	15.4	61.8

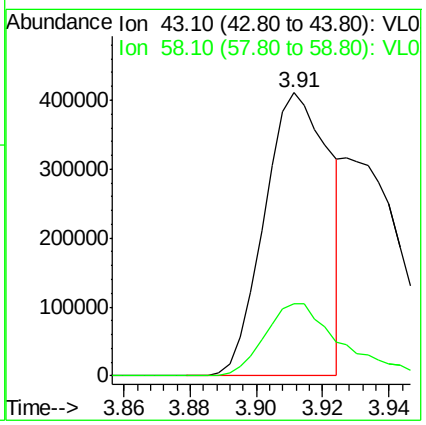


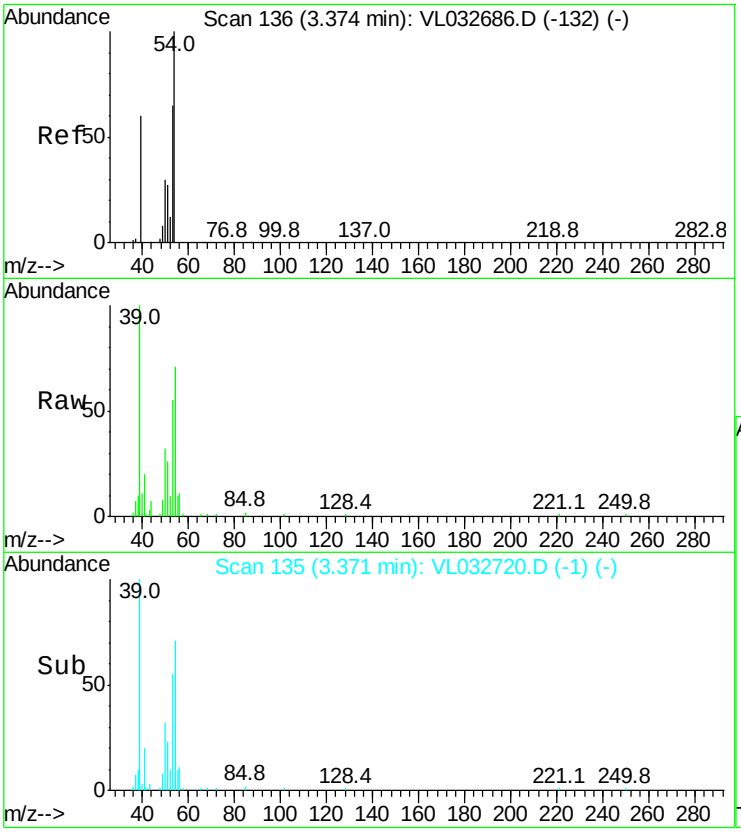


#15
Acetone
Concen: 4.272 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 43 Resp: 560631

Ion	Ratio	Lower	Upper
43	100		
58	30.6	22.1	33.1



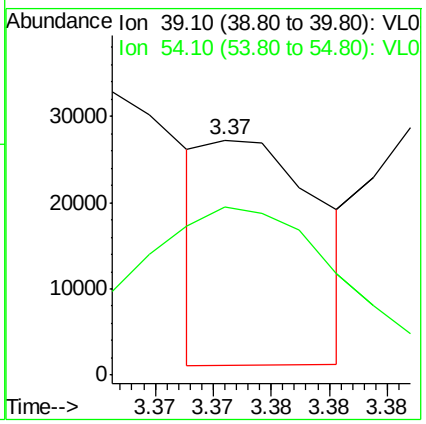


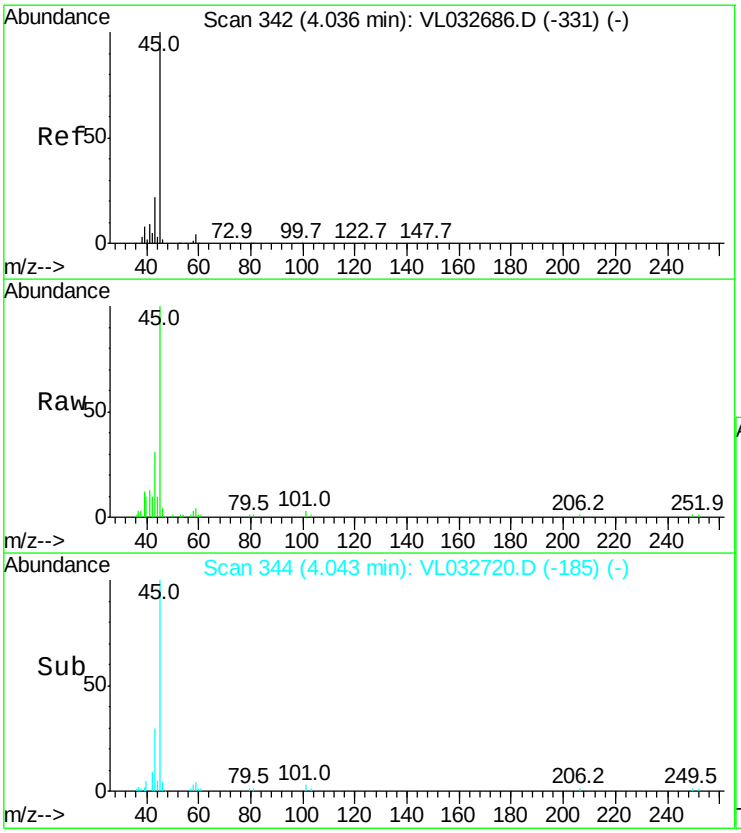
#16
1,3-Butadiene
Concen: 0.360 ppbv
RT: 3.37 min Scan# 135
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 39 Resp: 17396

Ion	Ratio	Lower	Upper
39	100		
54	181.8	90.4	135.6#

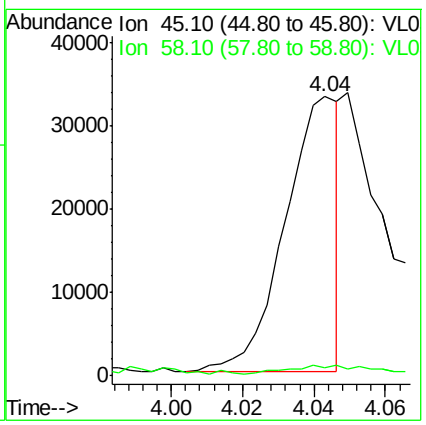


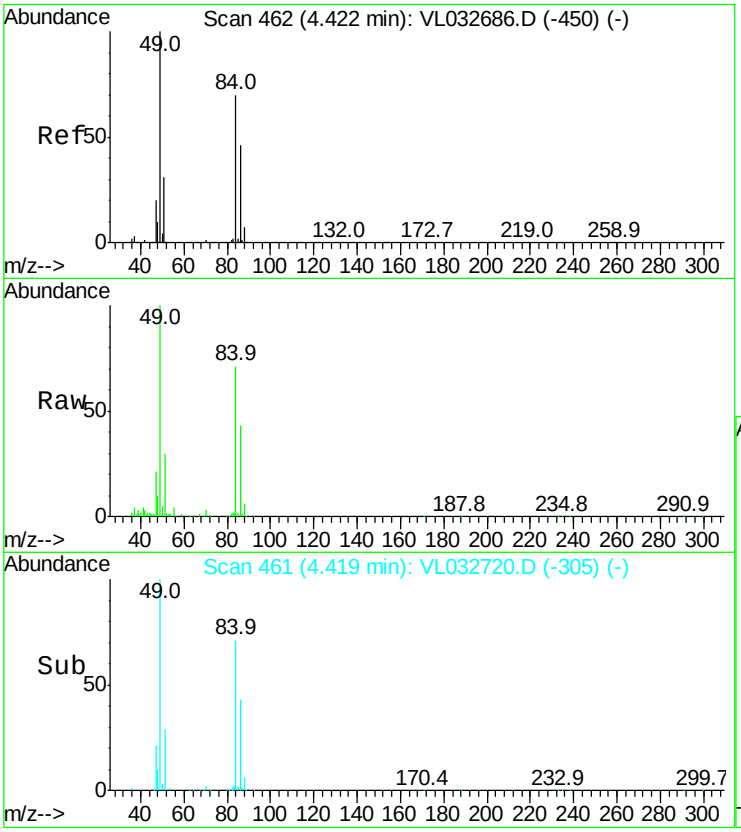


#19
Isopropyl Alcohol
Concen: 0.368 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 45 Resp: 34400

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#



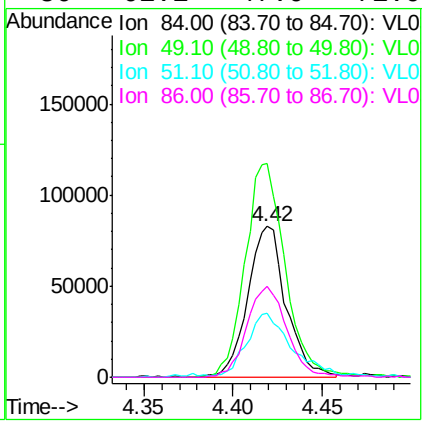


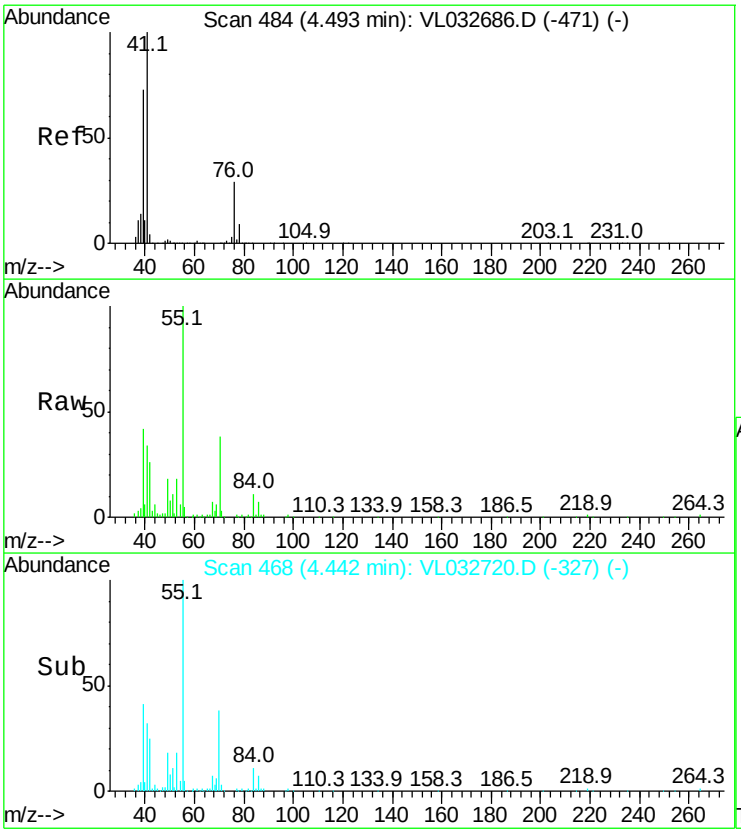
#20
Methylene Chloride
Concen: 1.871 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 84 Resp: 124680

Ion	Ratio	Lower	Upper
84	100		
49	141.2	113.5	170.3
51	41.5	34.8	52.2
86	61.1	47.9	71.9

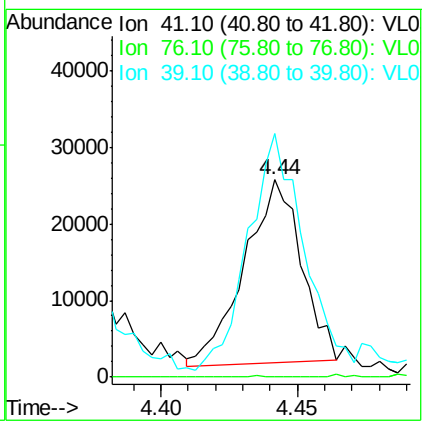


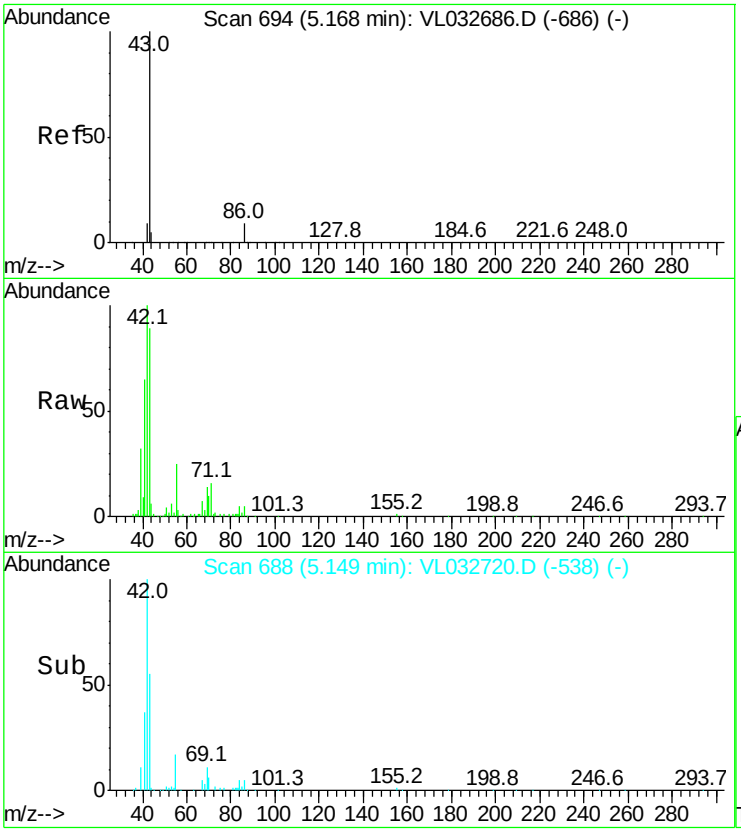


#21
Allyl Chloride
Concen: 0.324 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.05 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 41 Resp: 34888

Ion	Ratio	Lower	Upper
41	100		
76	0.5	24.3	36.5#
39	151.2	60.3	90.5#



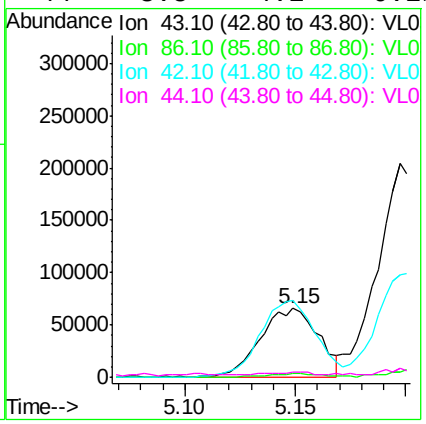


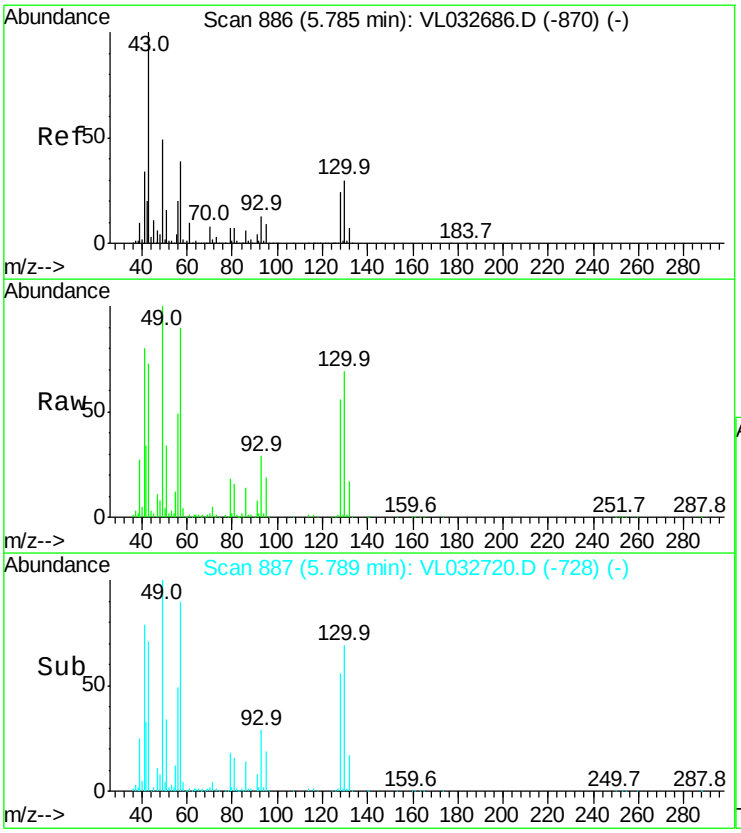
#23
Vinyl Acetate
Concen: 0.516 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.02 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 43 Resp: 120034

Ion	Ratio	Lower	Upper
43	100		
86	4.6	6.1	9.1#
42	111.5	7.4	11.2#
44	3.5	4.2	6.2#

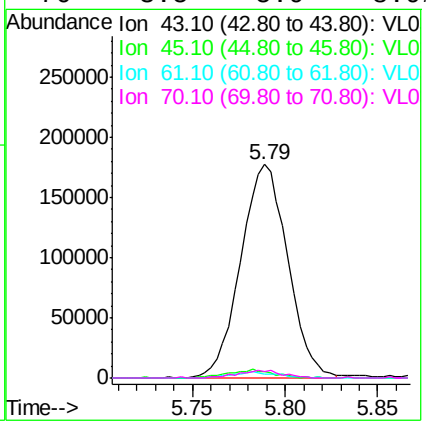


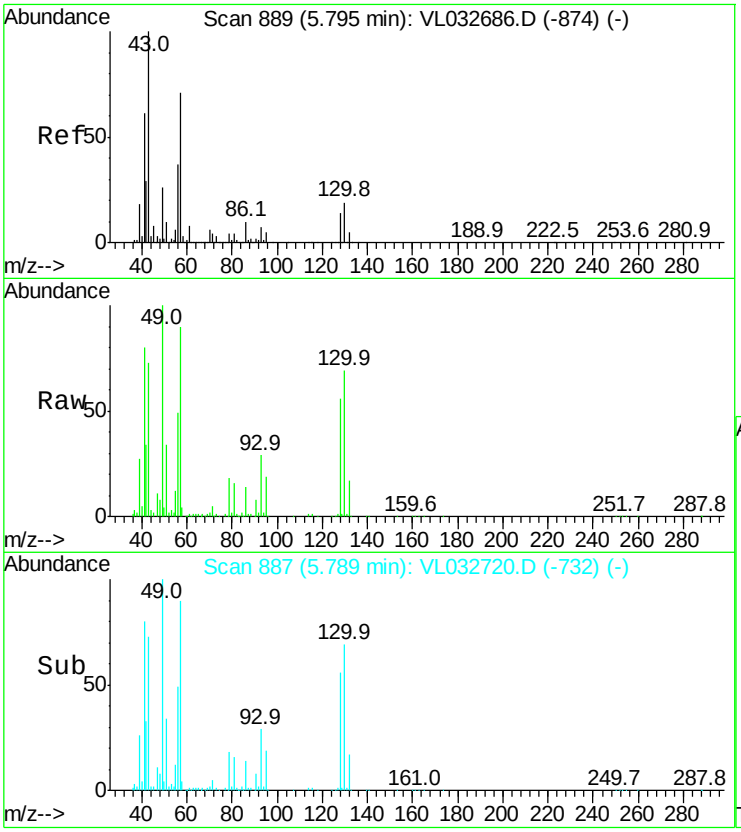


#25
Ethyl Acetate
Concen: 1.023 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 43 Resp: 308973

Ion	Ratio	Lower	Upper
43	100		
45	4.1	8.0	12.0#
61	3.0	8.0	12.0#
70	3.5	5.9	8.9#



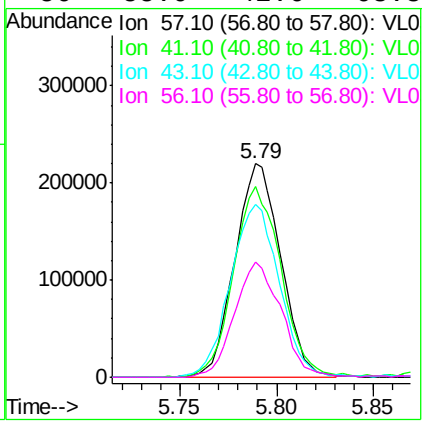


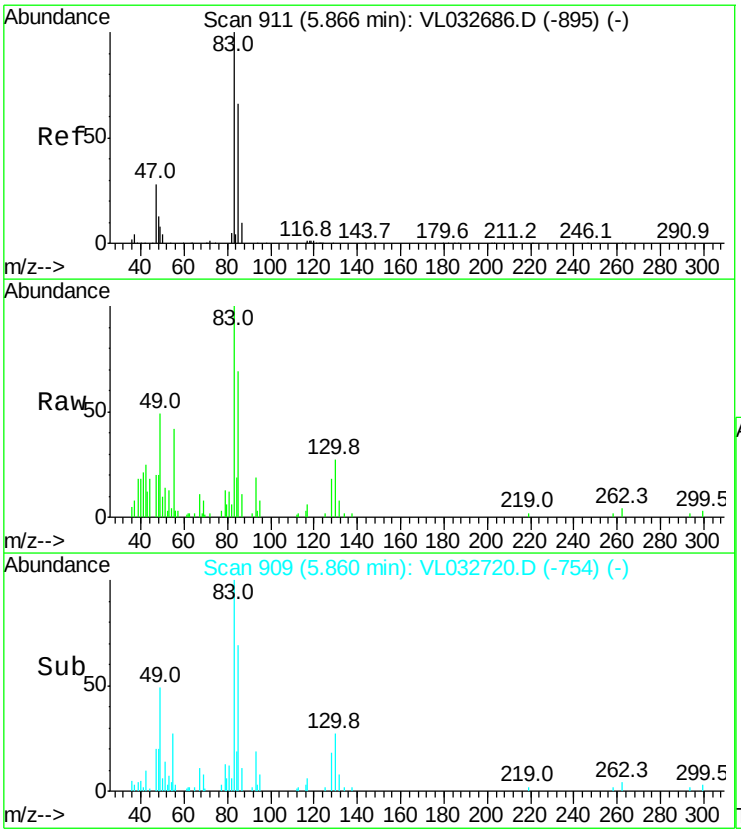
#26
Hexane
Concen: 2.525 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 57 Resp: 360945

Ion	Ratio	Lower	Upper
57	100		
41	93.7	67.4	101.0
43	87.2	171.9	257.9#
56	55.0	42.6	63.8

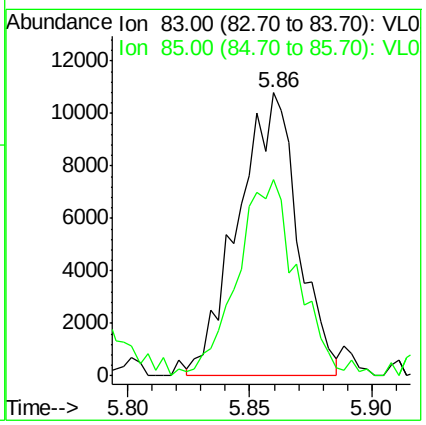


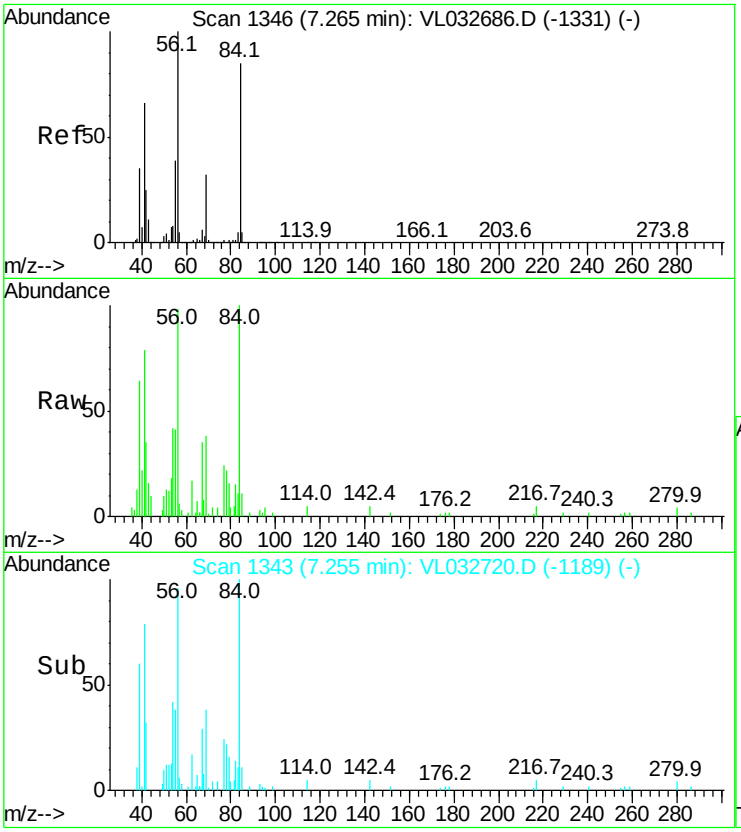


#29
Chloroform
Concen: 0.080 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 83 Resp: 18335

Ion	Ratio	Lower	Upper
83	100		
85	69.7	53.0	79.6



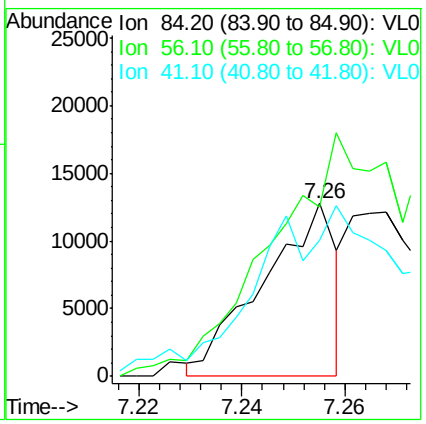


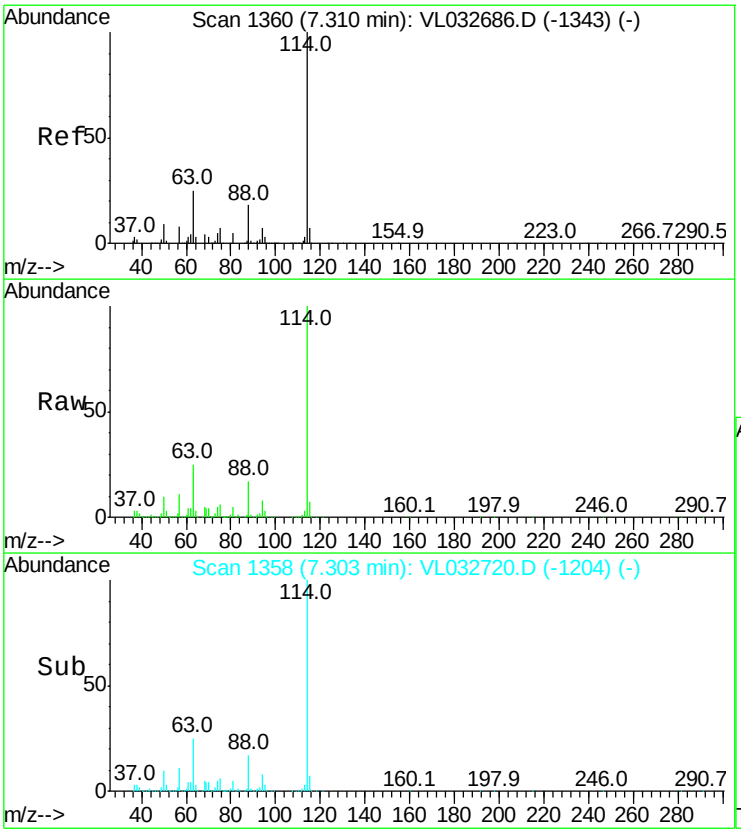
#30
Cyclohexane
Concen: 0.110 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 84 Resp: 12485

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.3	162.5#
41	219.1	64.8	97.2#

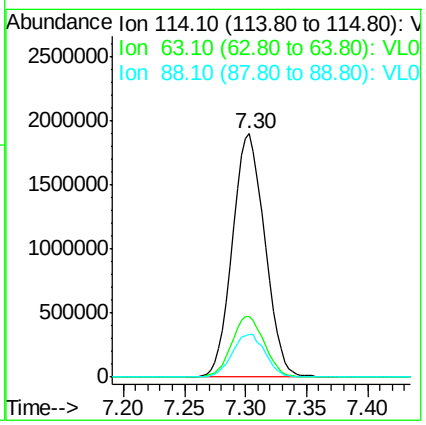


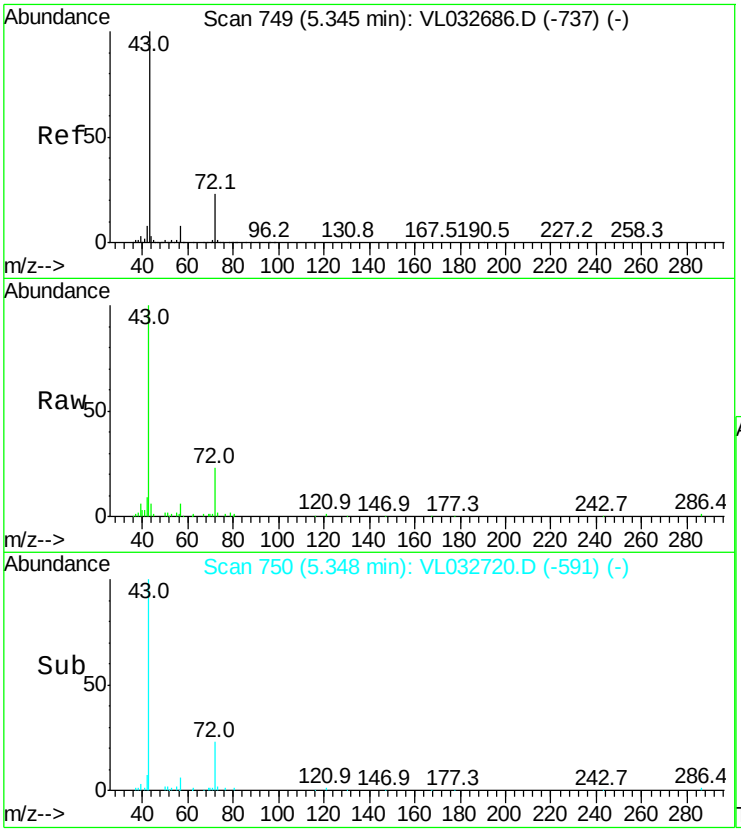


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion:114 Resp: 3502743

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.7	32.5
88	18.0	14.9	22.3



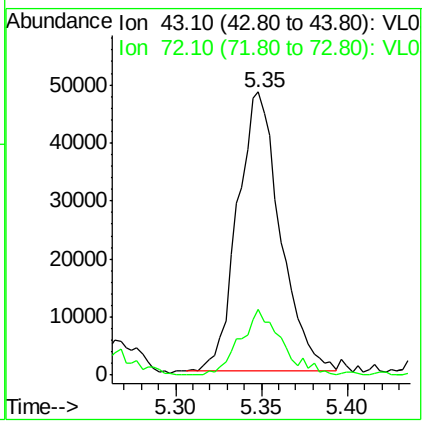


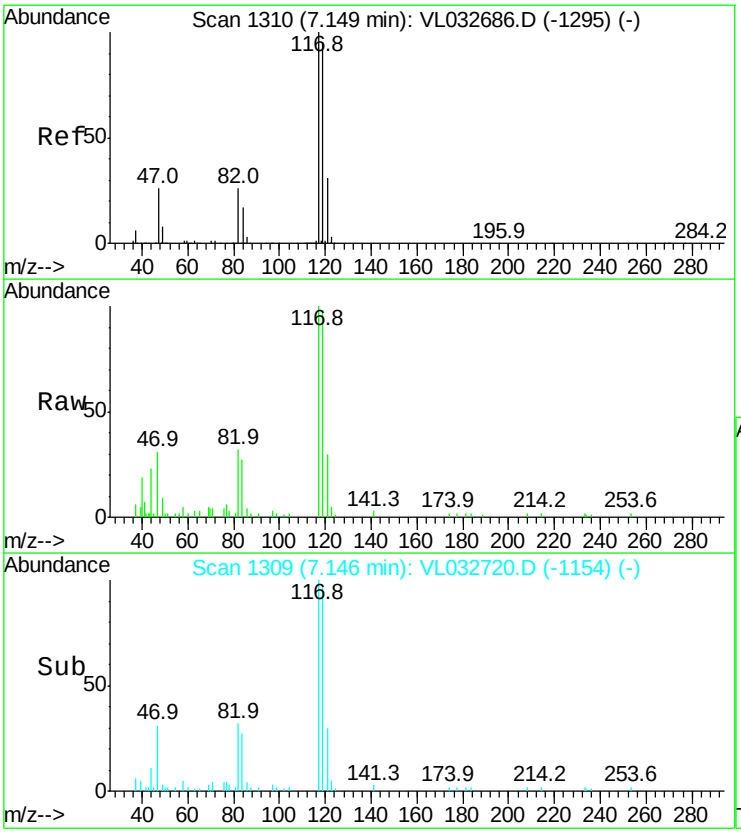
#34
2-Butanone
Concen: 0.446 ppbv
RT: 5.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 43 Resp: 83755

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.6	27.8

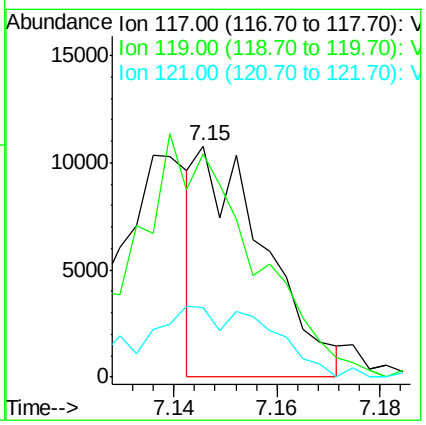


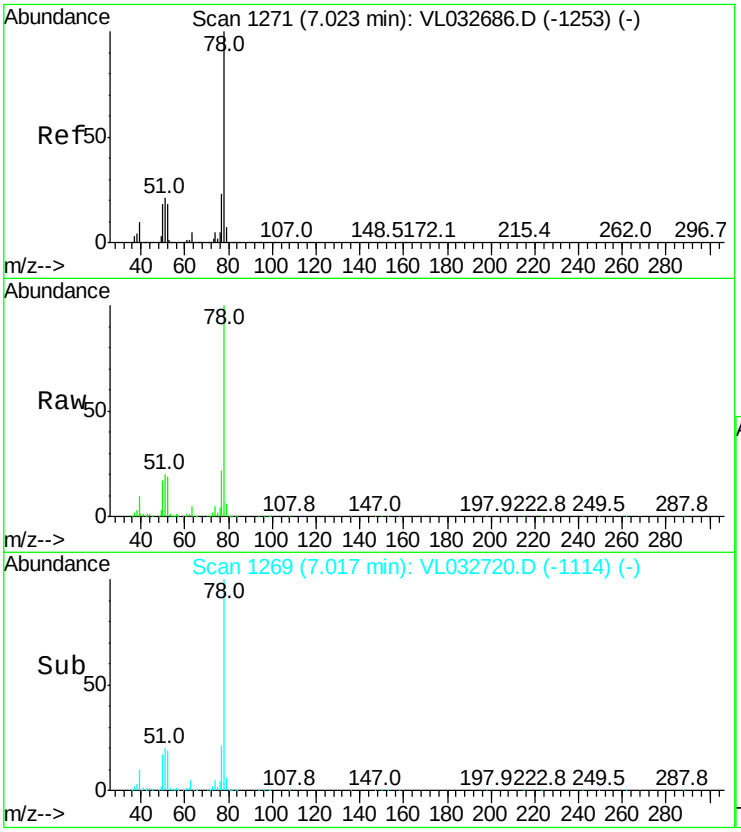


#35
Carbon Tetrachloride
Concen: 0.039 ppbv
RT: 7.15 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion:117 Resp: 9795

Ion	Ratio	Lower	Upper
117	100		
119	101.7	75.7	113.5
121	34.9	24.7	37.1



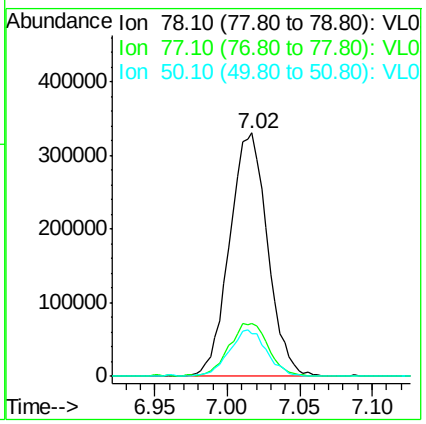


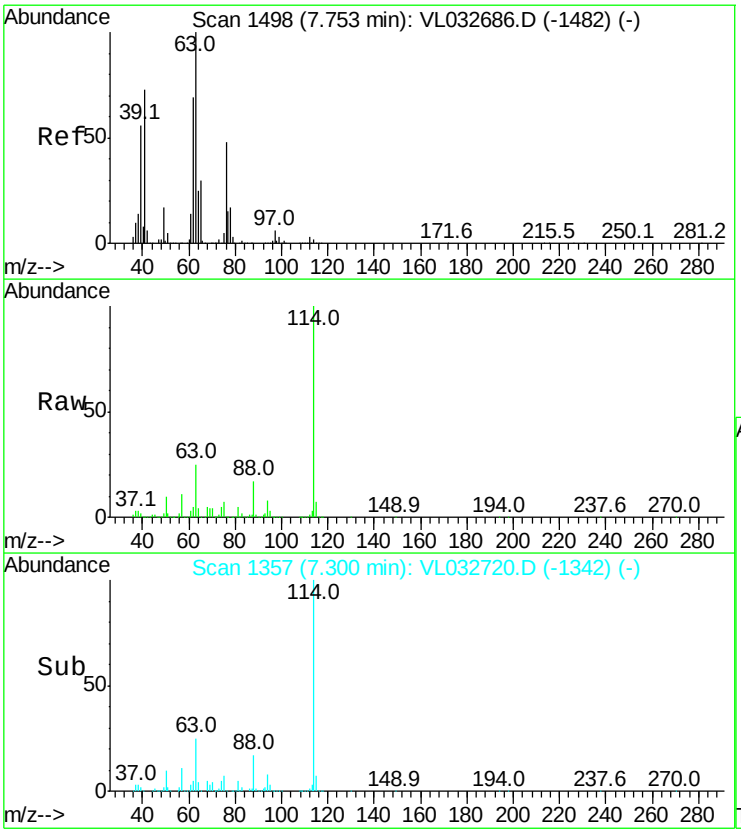
#36
Benzene
Concen: 2.108 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 78 Resp: 599496

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.1	27.1
50	17.2	15.1	22.7

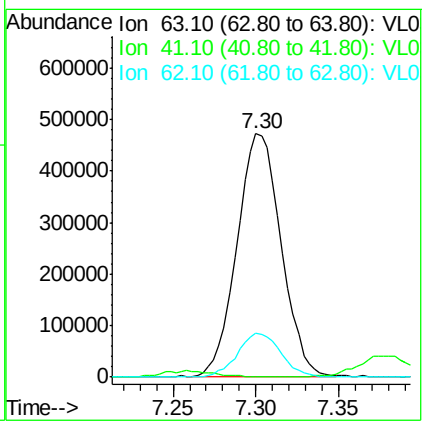


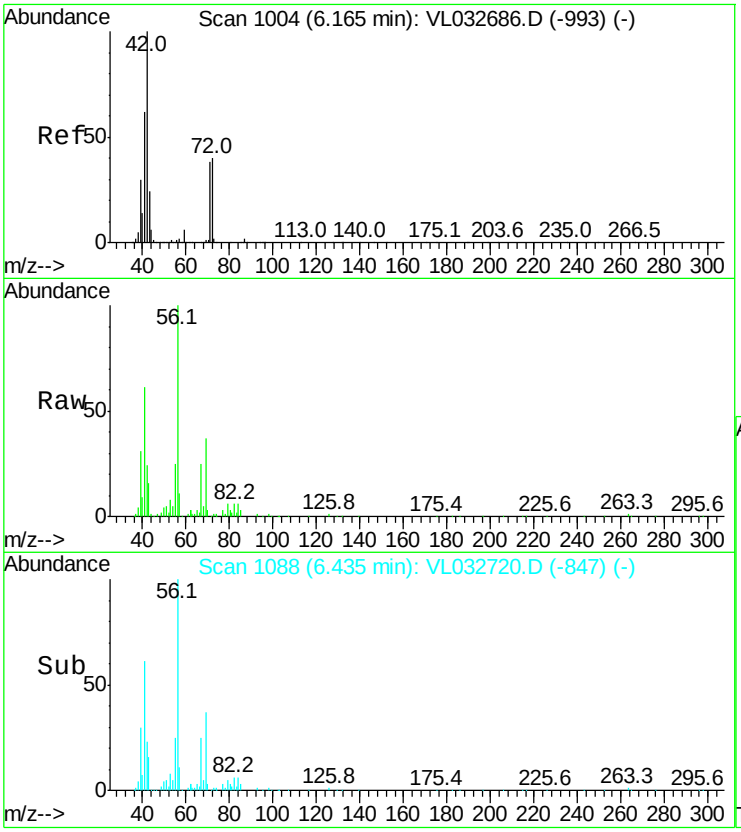


#39
1,2-Dichloropropane
Concen: 7.956 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.45 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 63 Resp: 873892

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.2	84.4#
62	17.7	54.4	81.6#



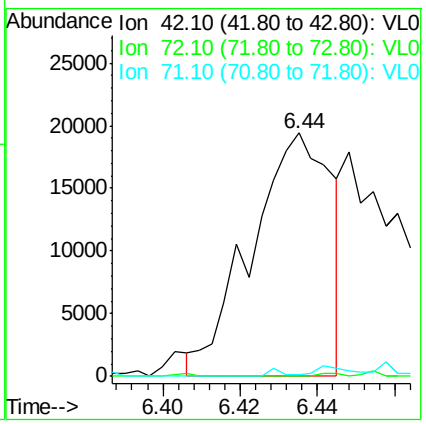


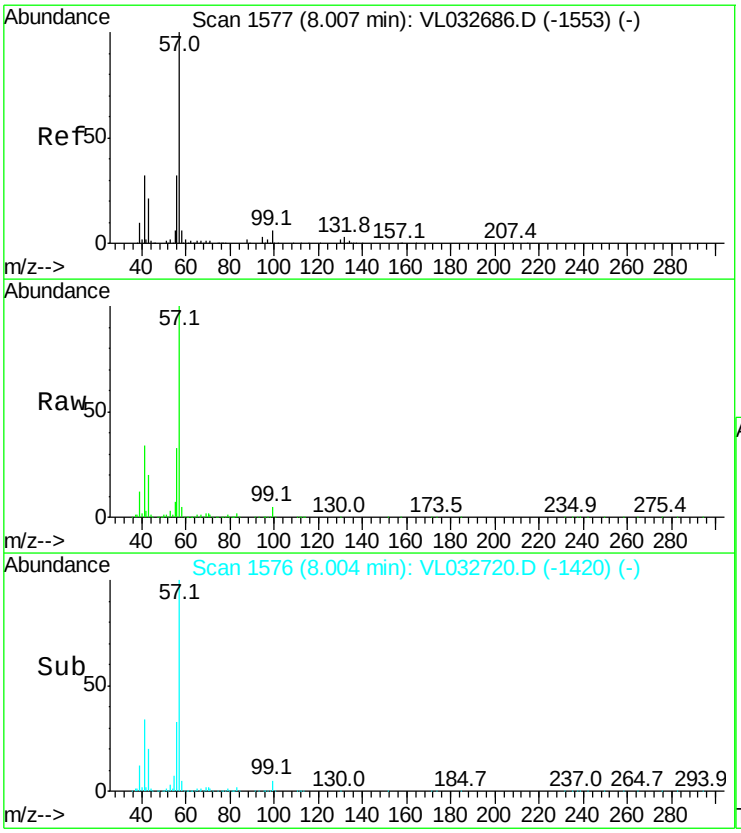
#41
Tetrahydrofuran
Concen: 0.267 ppbv
RT: 6.44 min Scan# 1088
Delta R.T. 0.27 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 42 Resp: 27936

Ion	Ratio	Lower	Upper
42	100		
72	0.4	32.4	48.6#
71	0.0	31.3	46.9#

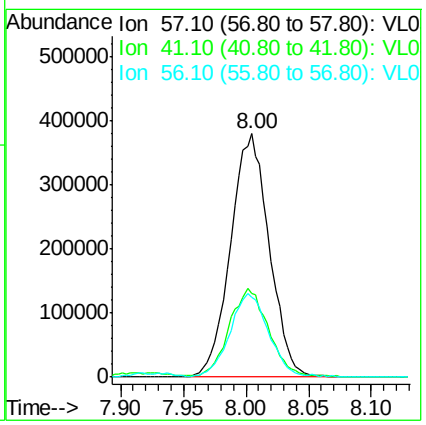


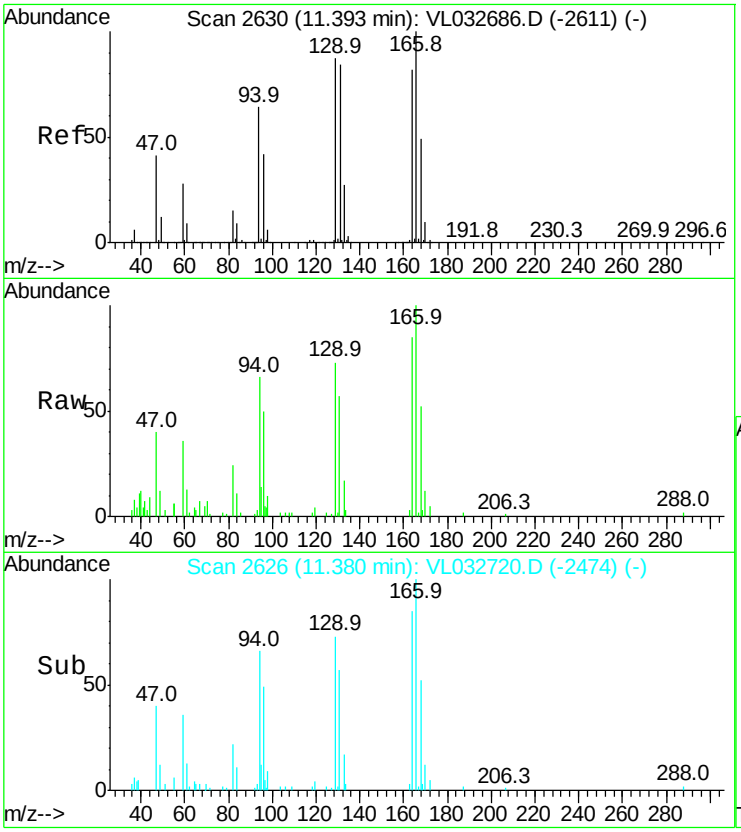


#44
2,2,4-Trimethylpentane
Concen: 1.660 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 57 Resp: 805895

Ion	Ratio	Lower	Upper
57	100		
41	37.1	24.7	37.1#
56	34.9	25.0	37.4



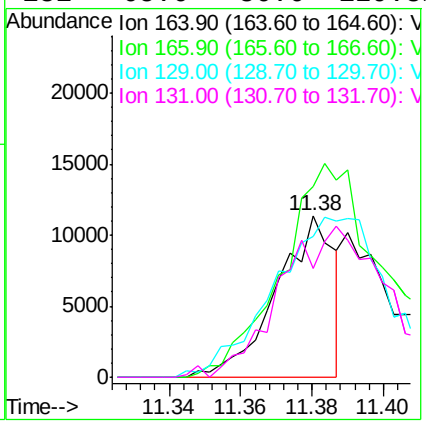


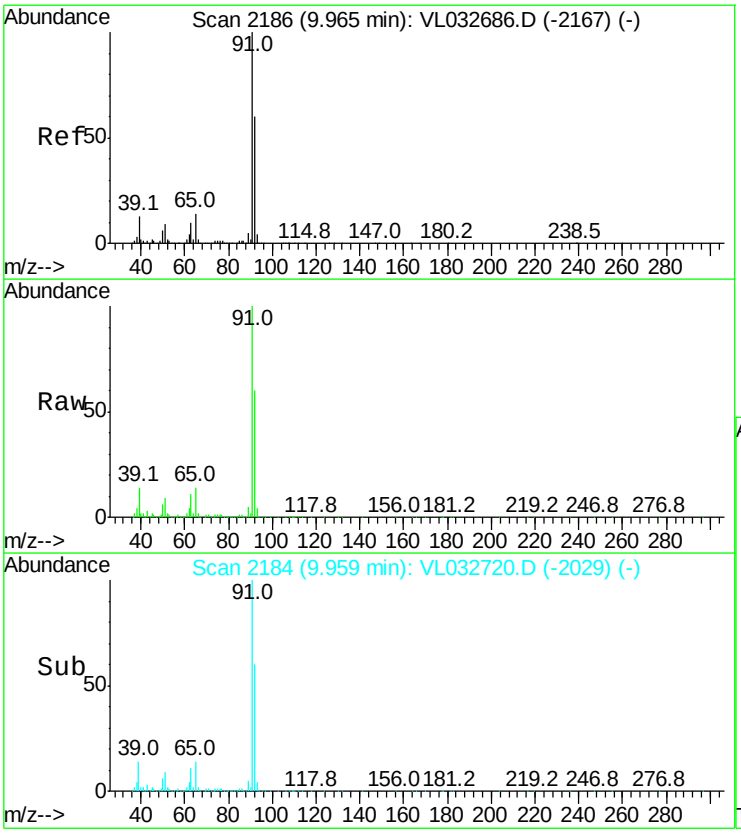
#52
Tetrachloroethene
Concen: 0.128 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion:164 Resp: 12692

Ion	Ratio	Lower	Upper
164	100		
166	118.2	100.5	150.7
129	82.7	90.0	135.0#
131	65.6	86.6	129.8#

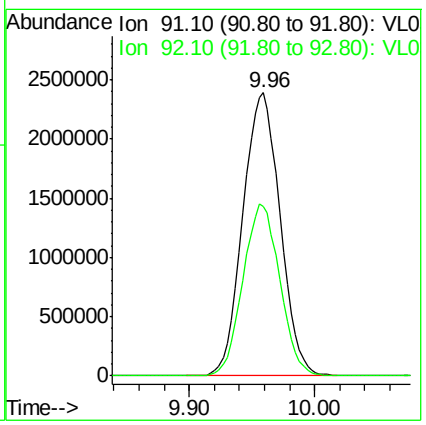


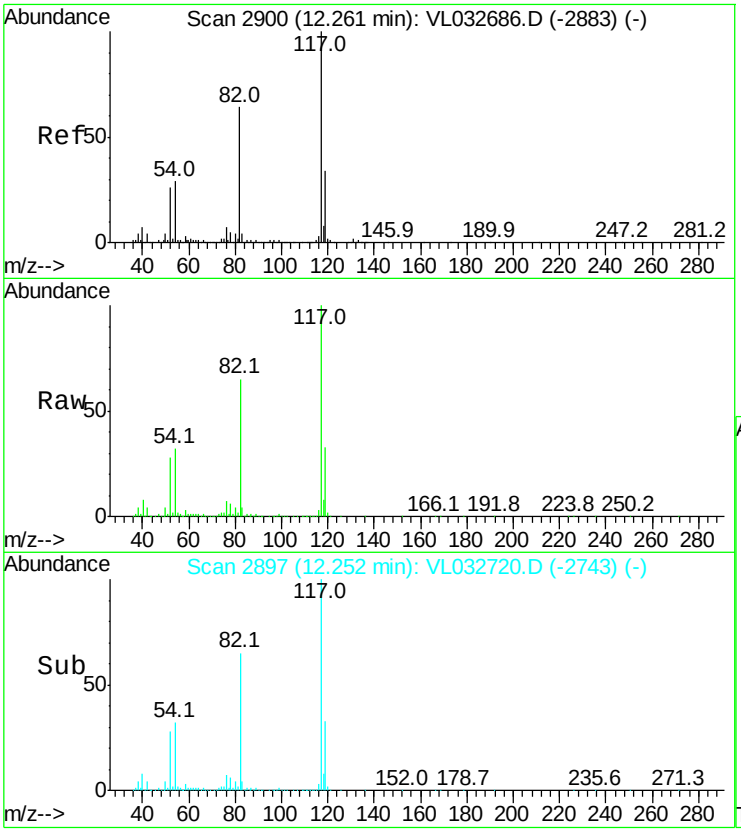


#53
Toluene
Concen: 15.050 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 91 Resp: 4907106

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.4	72.6



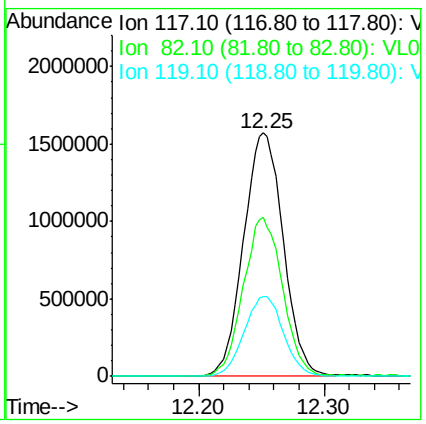


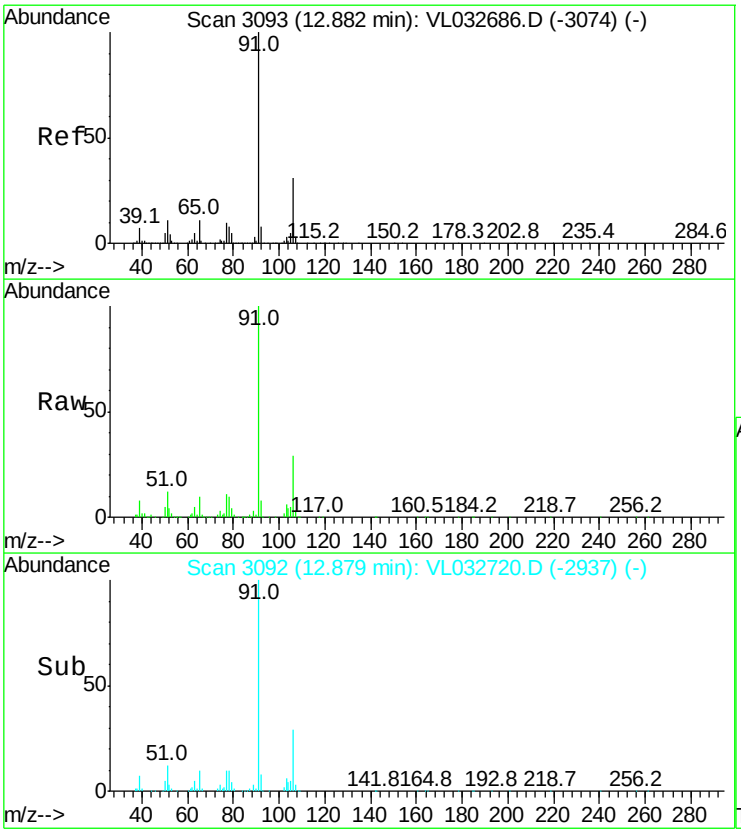
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion:117 Resp: 3460549

Ion	Ratio	Lower	Upper
117	100		
82	65.4	52.7	79.1
119	32.5	26.7	40.1

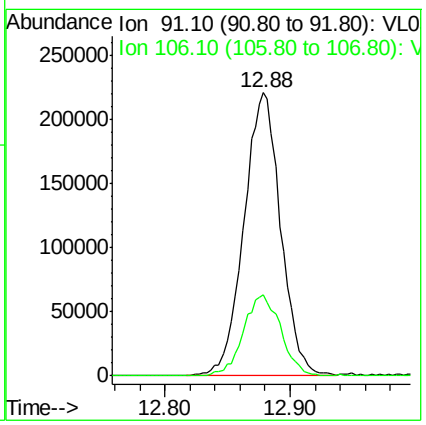


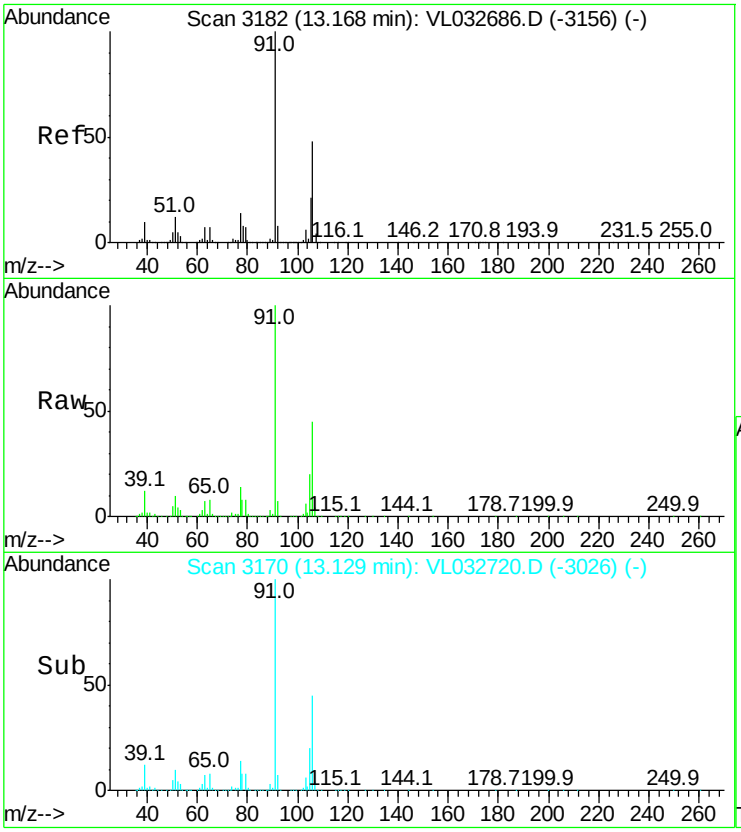


#58
Ethyl Benzene
Concen: 1.116 ppbv
RT: 12.88 min Scan# 3092
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 91 Resp: 448639

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.2	36.2



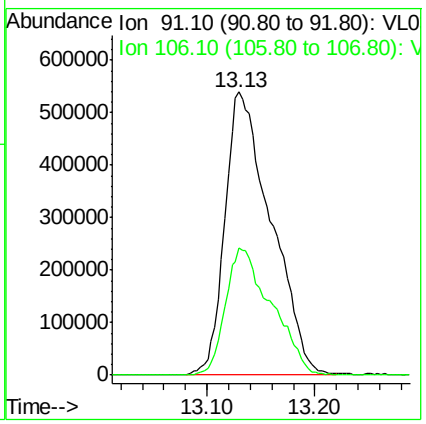


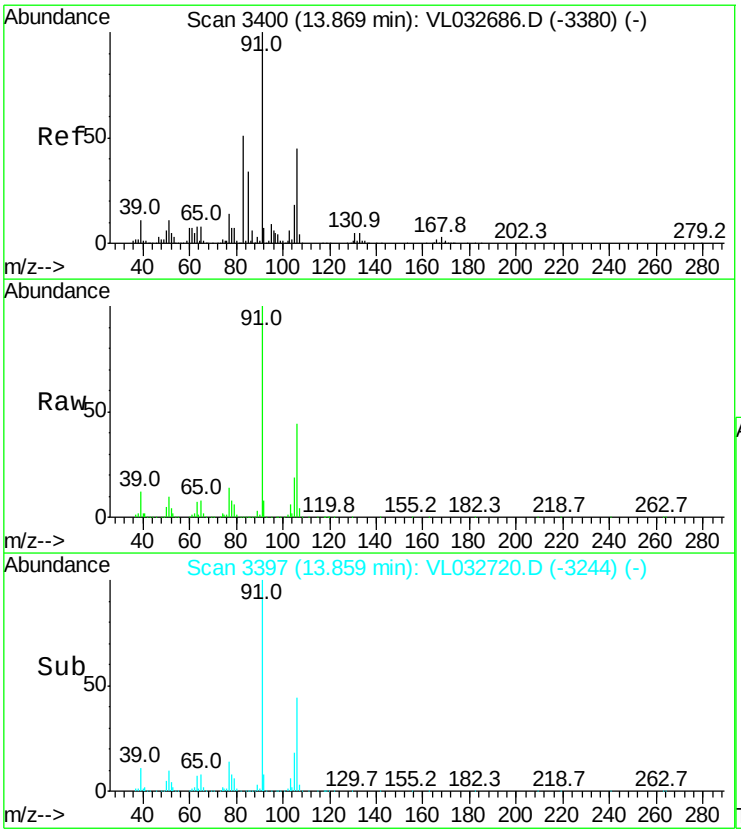
#59
m/p-Xylene
Concen: 4.449 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.04 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion: 91 Resp: 1592838

Ion	Ratio	Lower	Upper
91	100		
106	45.2	35.9	53.9

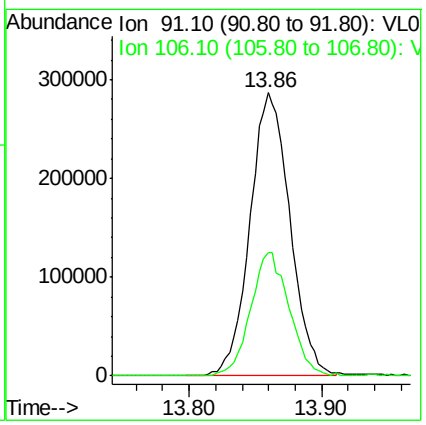


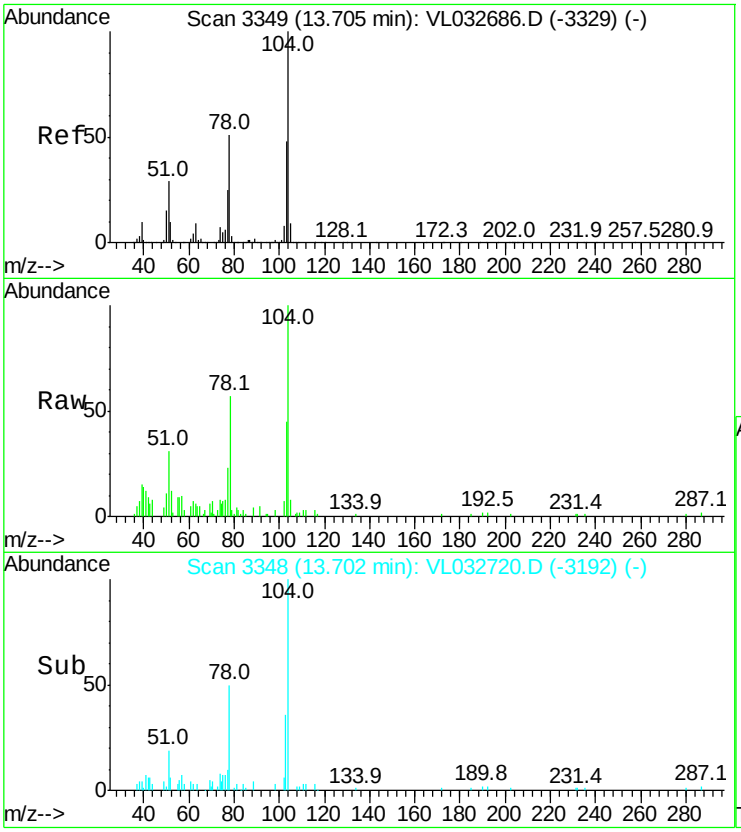


#60
o-Xylene
Concen: 1.739 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 91 Resp: 600481

Ion	Ratio	Lower	Upper
91	100		
106	42.5	22.1	66.1



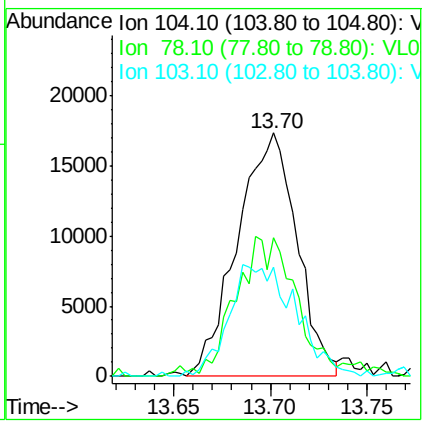


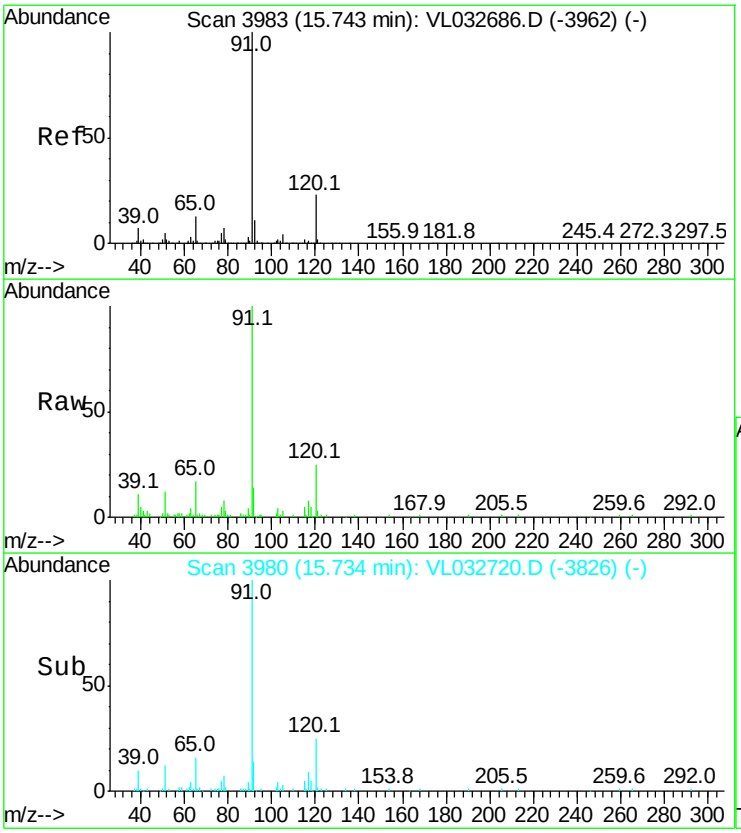
#61
Styrene
Concen: 0.160 ppbv
RT: 13.70 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion:104 Resp: 37147

Ion	Ratio	Lower	Upper
104	100		
78	61.0	42.8	64.2
103	52.3	37.4	56.0

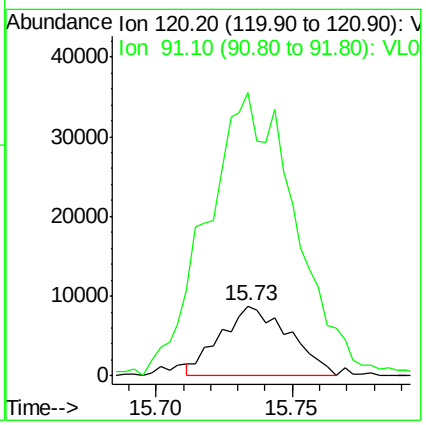


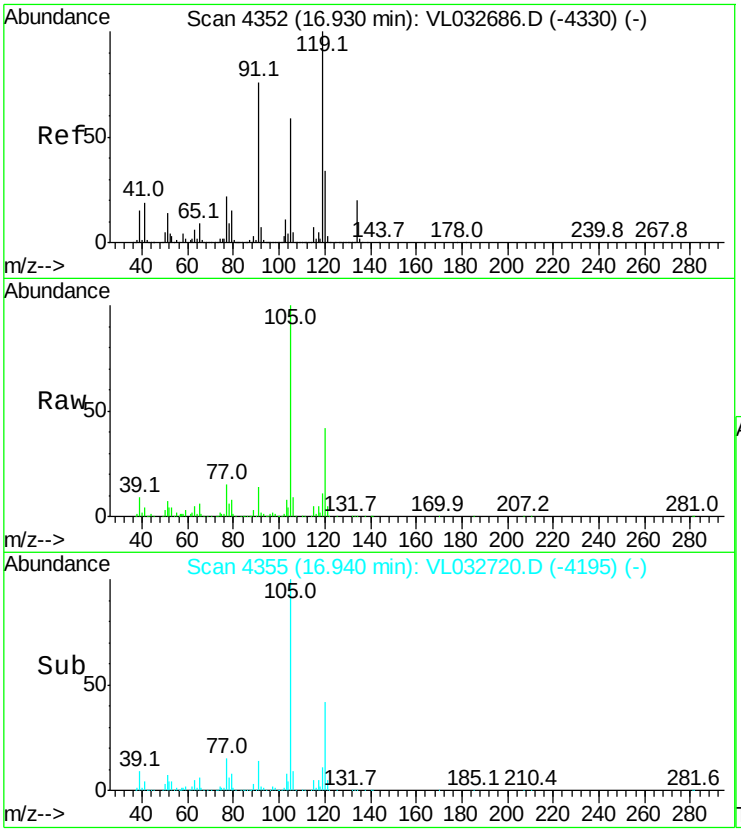


#64
n-propylbenzene
Concen: 0.126 ppbv
RT: 15.73 min Scan# 3980
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion:120 Resp: 15362

Ion	Ratio	Lower	Upper
120	100		
91	523.4	390.2	585.2



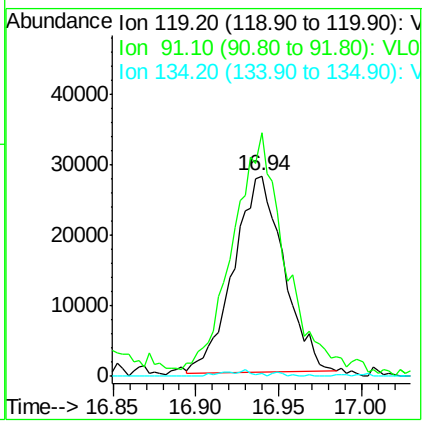


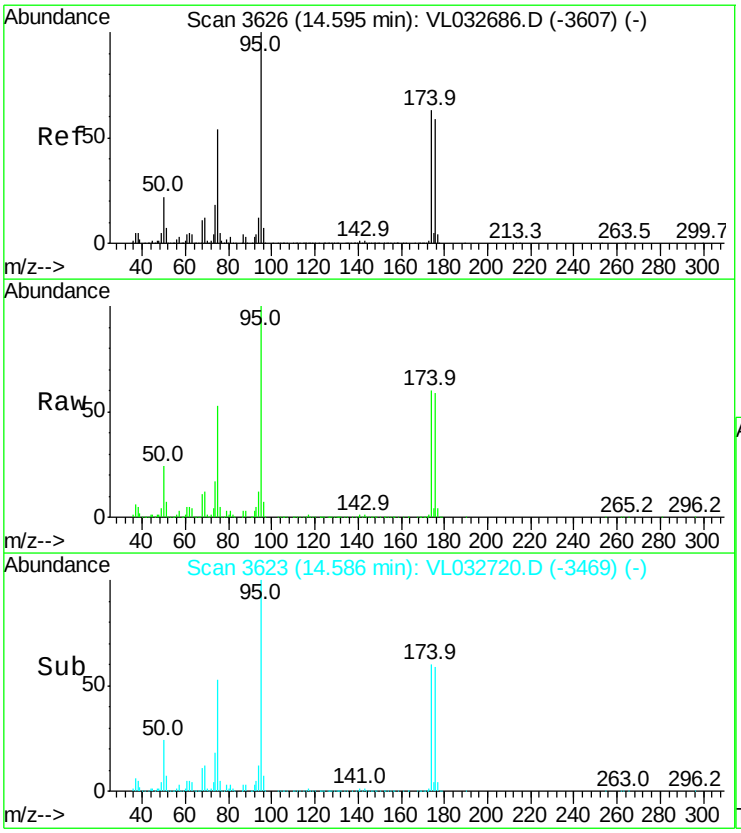
#65
tert-Butylbenzene
Concen: 0.141 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument : MSVOA_L
ClientSampleId : SV-01

Tgt Ion:119 Resp: 58855

Ion	Ratio	Lower	Upper
119	100		
91	133.8	67.8	101.8#
134	2.4	15.8	23.8#

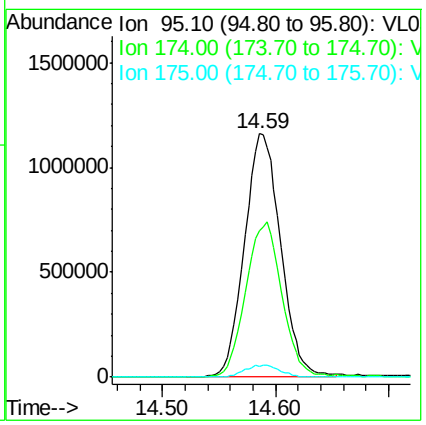


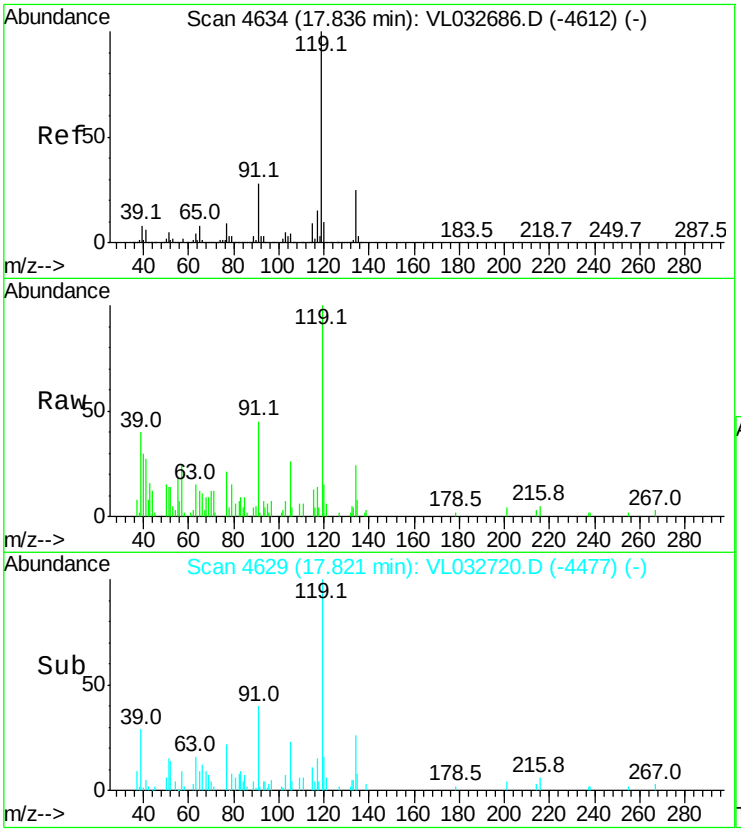


#68
1-Bromo-4-Fluorobenzene
Concen: 10.007 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion: 95 Resp: 2578572

Ion	Ratio	Lower	Upper
95	100		
174	64.9	46.0	69.0
175	4.8	3.4	5.0



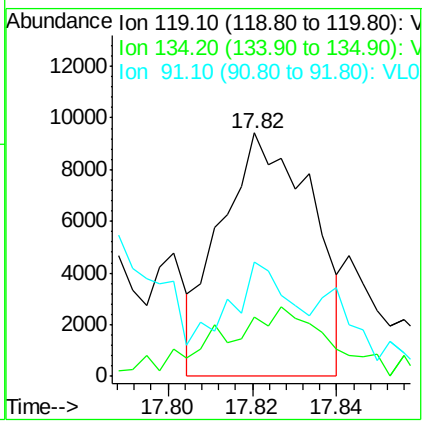


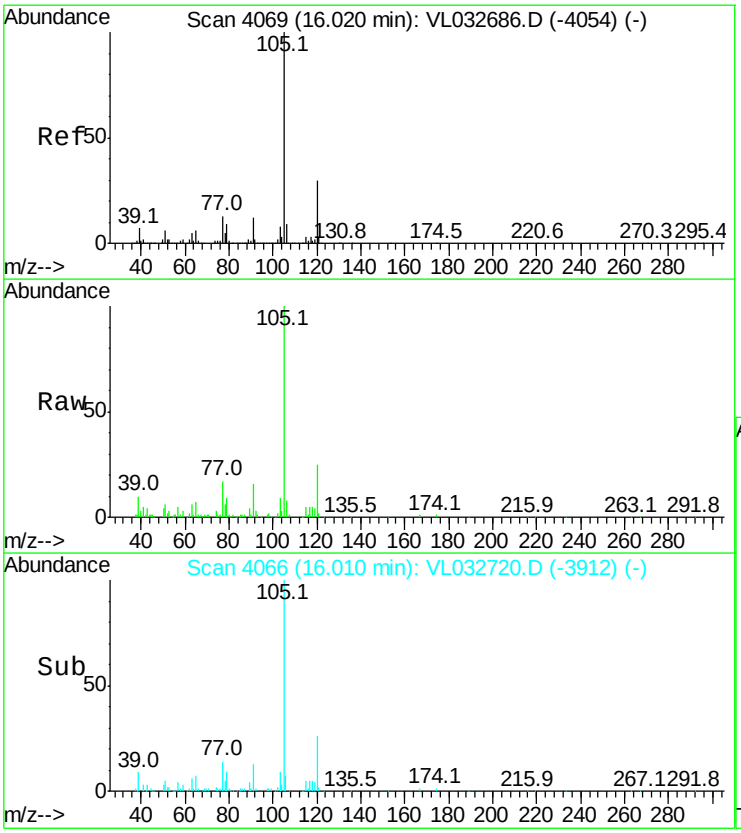
#69
p-Isopropyltoluene
Concen: 0.030 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion:119 Resp: 14179

Ion	Ratio	Lower	Upper
119	100		
134	37.1	20.2	30.2#
91	54.5	24.0	36.0#

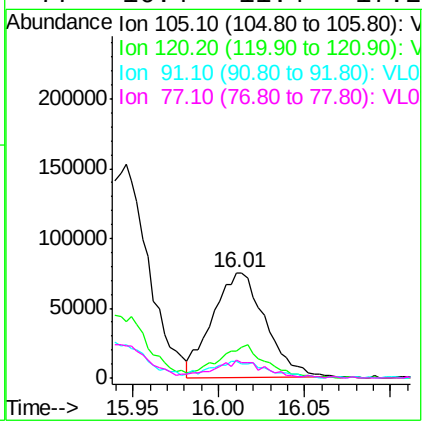


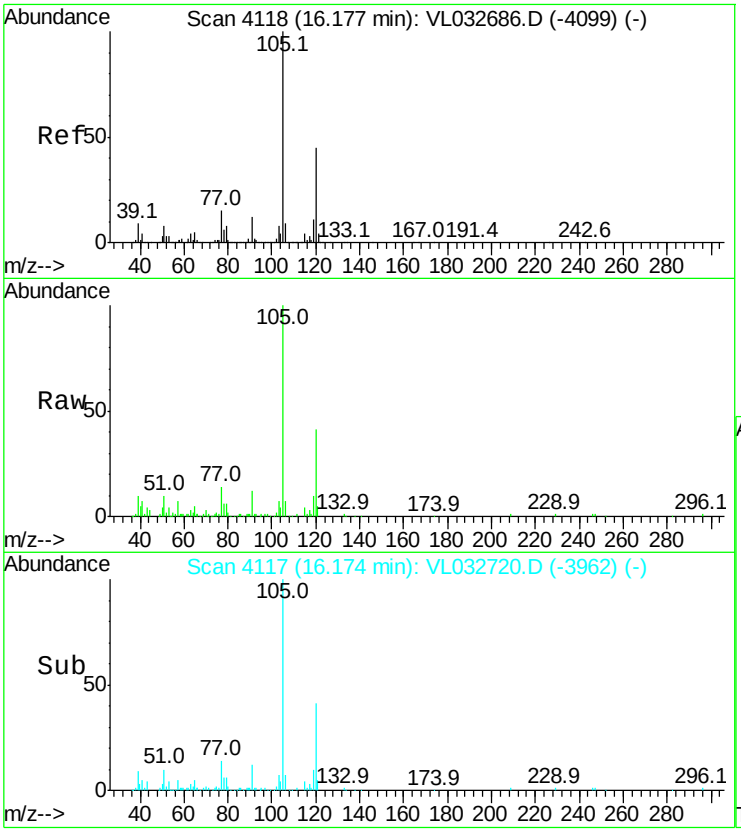


#72
4-Ethyltoluene
Concen: 0.437 ppbv
RT: 16.01 min Scan# 4066
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion:105 Resp: 160646

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.7	35.5
91	16.4	10.4	15.6#
77	16.4	11.4	17.2



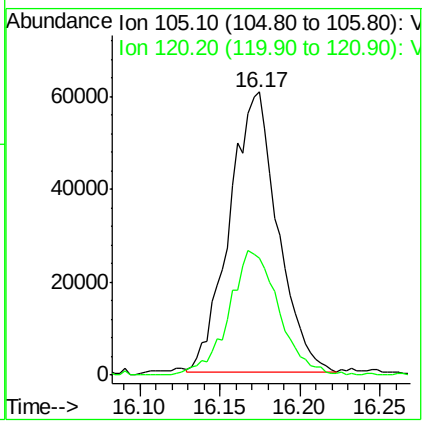


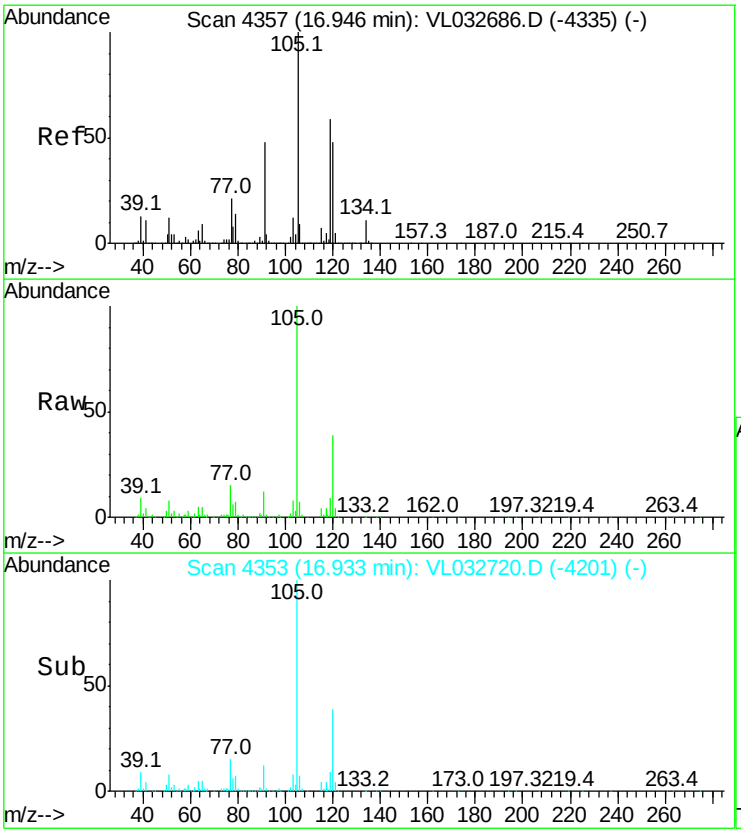
#73
1,3,5-Trimethylbenzene
Concen: 0.348 ppbv
RT: 16.17 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion:105 Resp: 124807

Ion	Ratio	Lower	Upper
105	100		
120	41.0	35.4	53.2

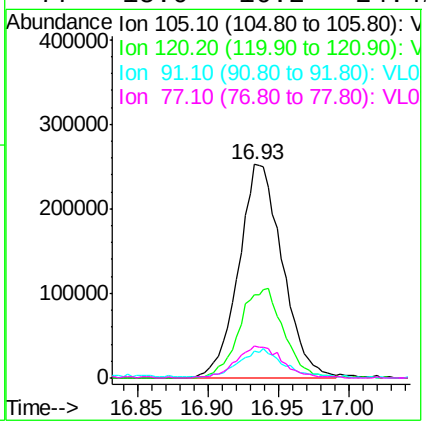


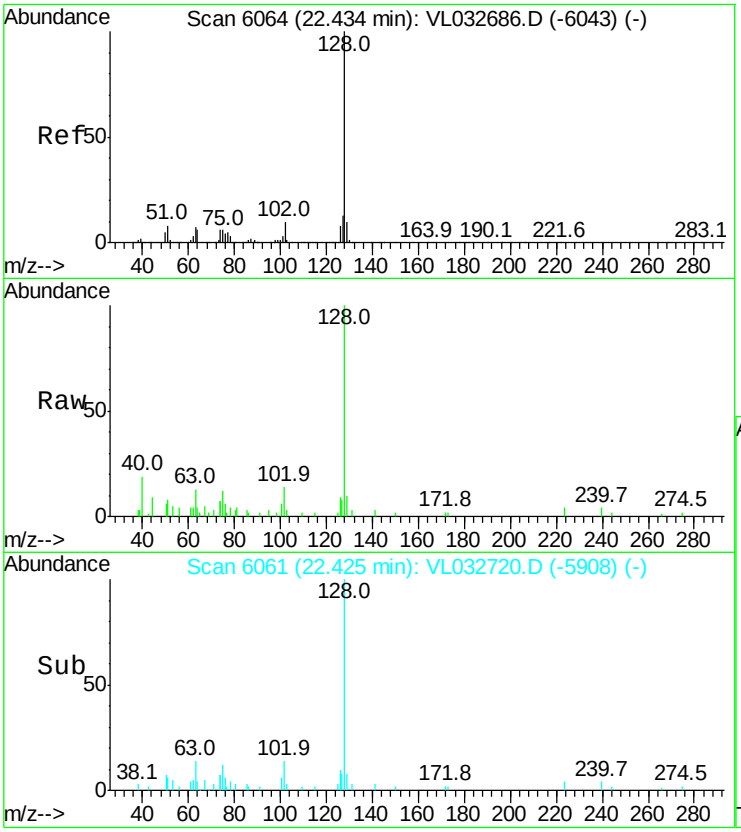


#74
1,2,4-Trimethylbenzene
Concen: 1.432 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Tgt Ion:105 Resp: 547765

Ion	Ratio	Lower	Upper
105	100		
120	38.6	35.8	53.8
91	11.9	33.2	49.8#
77	15.0	16.2	24.4#





#79
Naphthalene
Concen: 0.049 ppbv
RT: 22.42 min Scan# 6061
Delta R.T. -0.01 min
Lab File: VL032720.D
Acq: 7 Nov 2018 16:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion:128 Resp: 11580

Ion	Ratio	Lower	Upper
128	100		
127	2.0	10.3	15.5#
129	10.2	8.6	13.0