Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120418\

Quantitation Report (Not Reviewed)

Data File : VL032896.D
Acq On : 5 Dec 2018 3:57
Operator : SY/AP
Sample : J6177-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSV-4

Quant Time: Dec 05 05:53:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1374963	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3431306	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3527608	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2622871	9.94	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	45377	0.230	ppbv		94
3) Chlorodifluoromethane	3.02	51	276365	2.535	ppbv		93
4) Chloromethane	3.17	50	19896	0.329	ppbv		99
9) Propene	3.04	41	516781	11.846	ppbv		97
10) Heptane	8.25	43	49911	0.300	ppbv		97
11) Trichlorofluoromethane	4.01	101	37962	0.204	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	5277	0.035	ppbv	#	71
13) Ethanol	3.66	45	1734408	121.386	ppbv		99
15) Acetone	3.90	43	2336077	18.604	ppbv	#	67
16) 1,3-Butadiene	3.35	39	726868	14.948	ppbv	#	14
17) tert-Butyl alcohol	4.37	59	12860	0.327	ppbv	#	73
19) Isopropyl Alcohol	4.04	45	236480	2.827	ppbv	#	1
20) Methylene Chloride	4.42	84	94357	1.452	ppbv		94
21) Allyl Chloride	4.37	41	8894	0.084	ppbv	#	34
23) Vinyl Acetate	5.25	43	117612	0.514	ppbv	#	8
25) Ethyl Acetate	5.79	43	154658	0.528	ppbv	#	88
26) Hexane	5.78	57	175471	1.347	ppbv	#	10
27) Carbon Disulfide	4.62	76	368131	2.229	ppbv		99
28) Methyl tert-Butyl Ether	5.04	73	13548	0.065	ppbv	#	54
30) Cyclohexane	7.25	84	6928	0.061	ppbv	#	1
34) 2-Butanone	5.33	43	6309115	35.451	ppbv		98
36) Benzene	7.01	78	235059	0.860	ppbv		99
39) 1,2-Dichloropropane	7.30	63	795629	7.642	ppbv	#	23
41) Tetrahydrofuran	6.16	42	6472	0.063	ppbv	#	1
44) 2,2,4-Trimethylpentane	8.00	57	56024	0.123	ppbv	#	42
51) 2-Hexanone	10.28	43	591405	3.302	ppbv	#	92
53) Toluene	9.95	91	313054	1.098	ppbv		99
57) Chlorobenzene	12.30	112	14344	0.053	ppbv	#	41
58) Ethyl Benzene	12.87	91	464629	1.094	ppbv		97
59) m/p-Xylene	13.13	91	1310074	3.466	ppbv		96
60) o-Xylene	13.86	91	554846	1.460	ppbv		98
61) Styrene	13.69	104	45103	0.182	ppbv	#	85
63) 1,1,2,2-Tetrachloroethane	13.85	83	12457	0.042	ppbv	#	25
74) 1,2,4-Trimethylbenzene	16.93	105	81519	0.187	ppbv	#	73

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

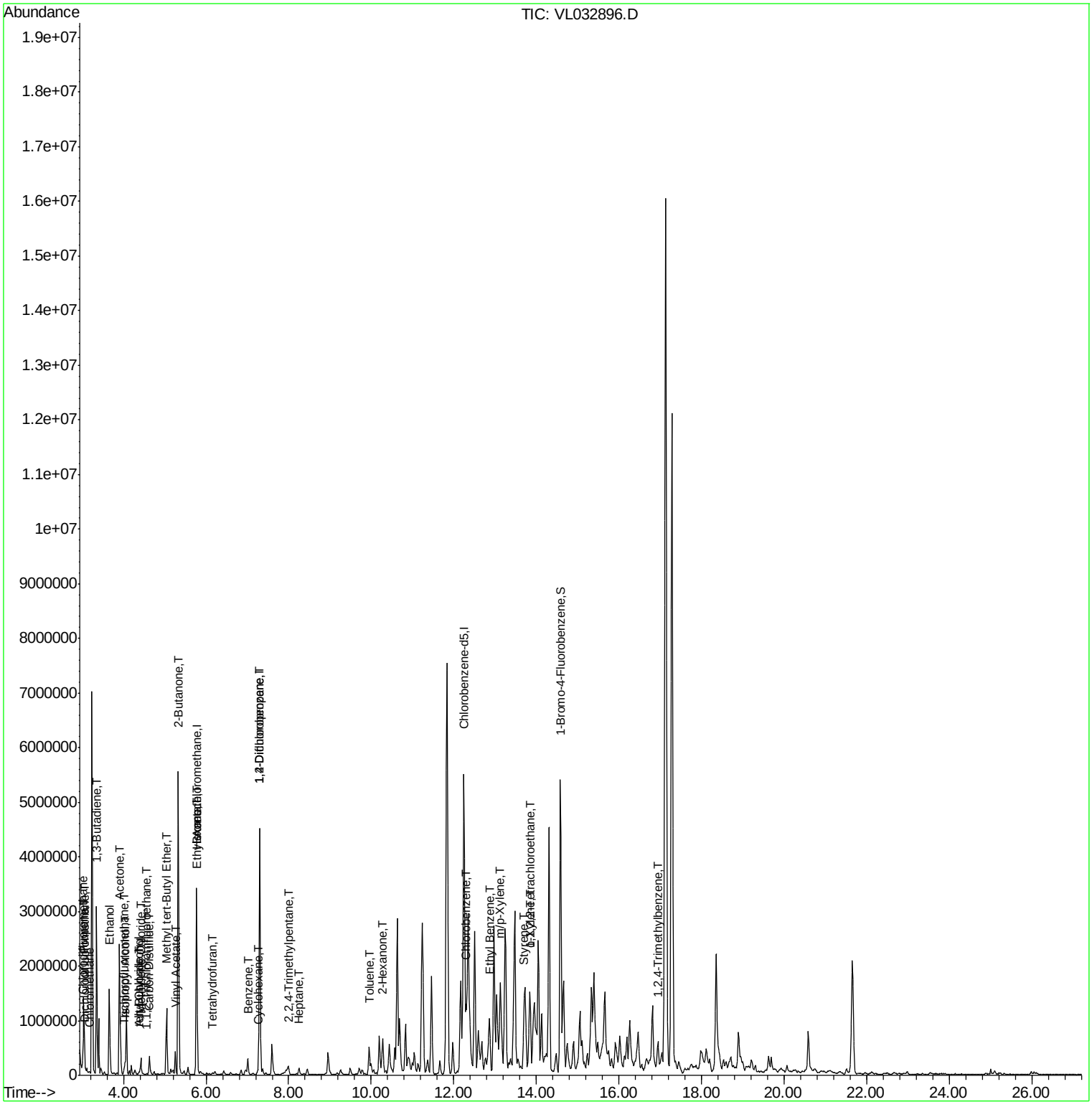
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120418\

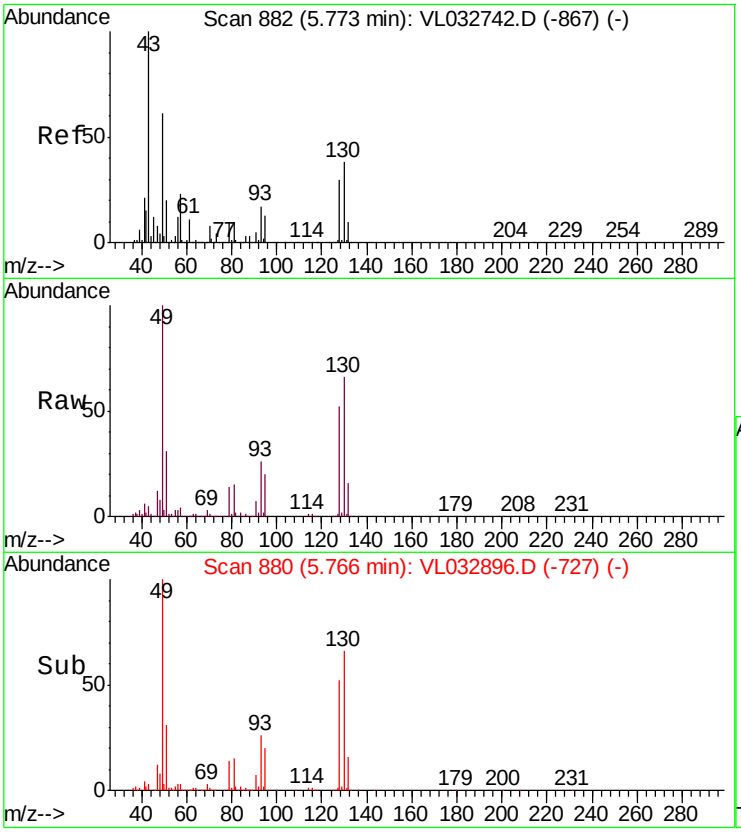
Quantitation Report (Not Reviewed)

Data File : VL032896.D
Acq On : 5 Dec 2018 3:57
Operator : SY/AP
Sample : J6177-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSV-4

Quant Time: Dec 05 05:53:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



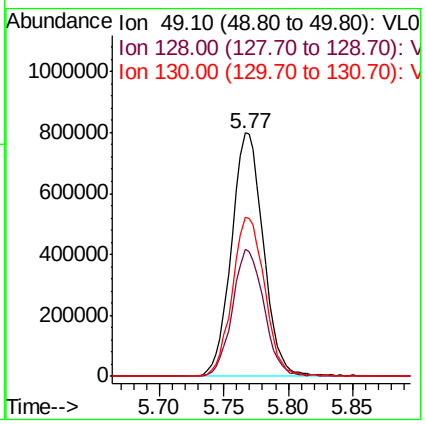


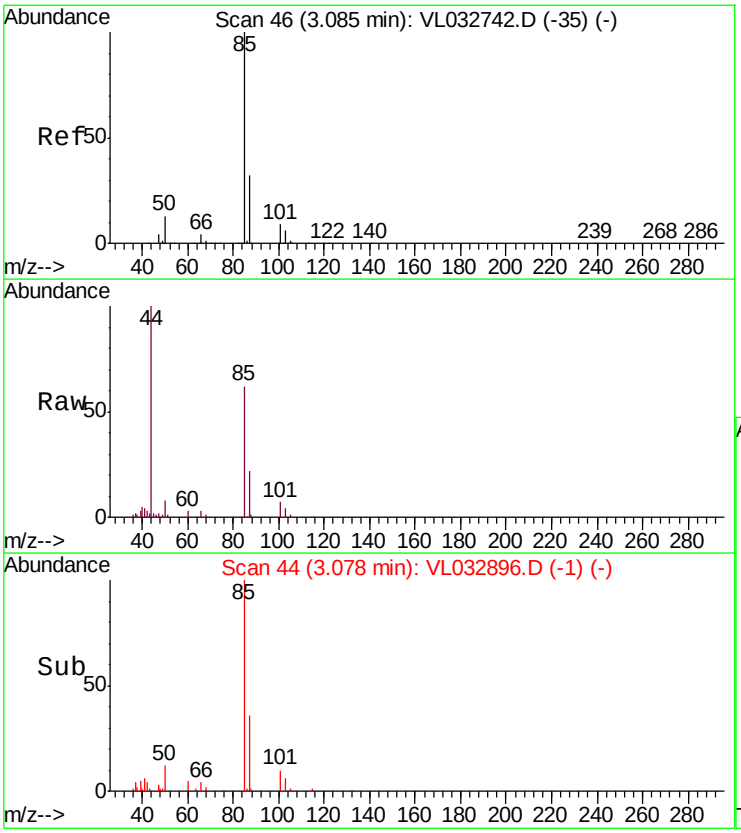
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VSV-4

Tgt Ion: 49 Resp: 1374963

Ion	Ratio	Lower	Upper
49	100		
128	51.4	24.9	74.6
130	66.7	31.4	94.2

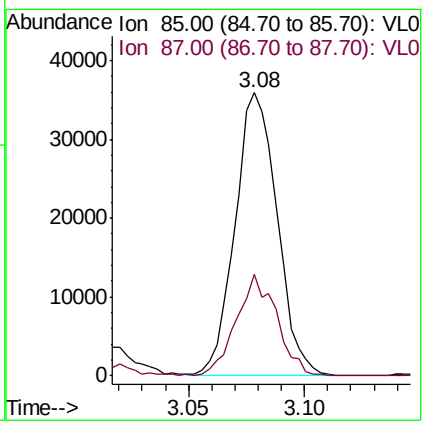


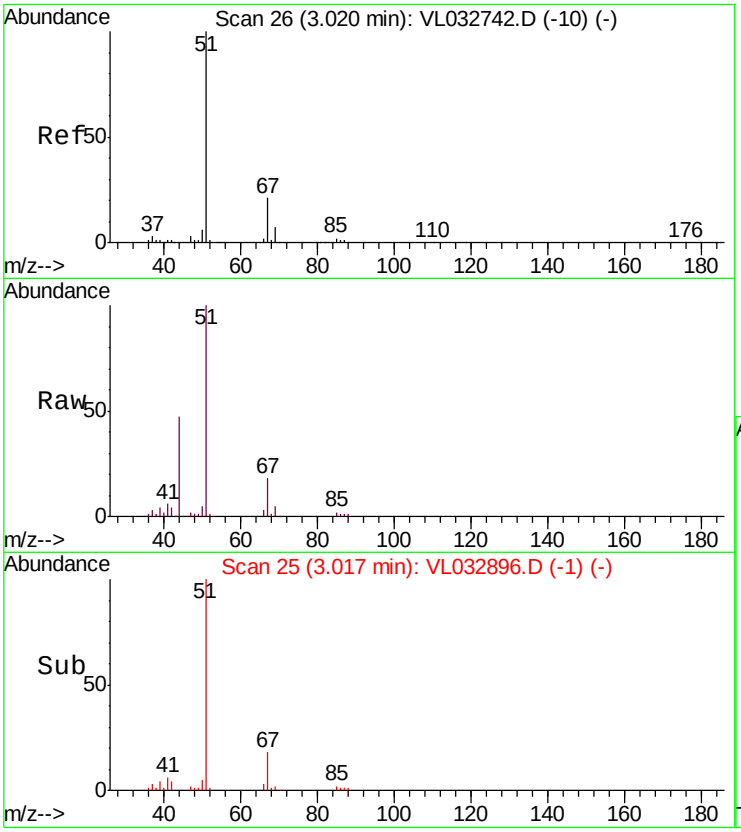


#2
Dichlorodifluoromethane
Concen: 0.230 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 85 Resp: 45377

Ion	Ratio	Lower	Upper
85	100		
87	36.1	26.0	39.0



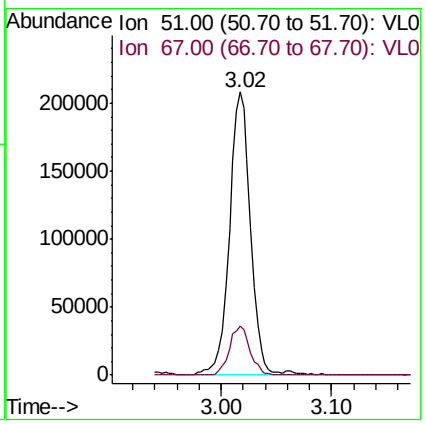


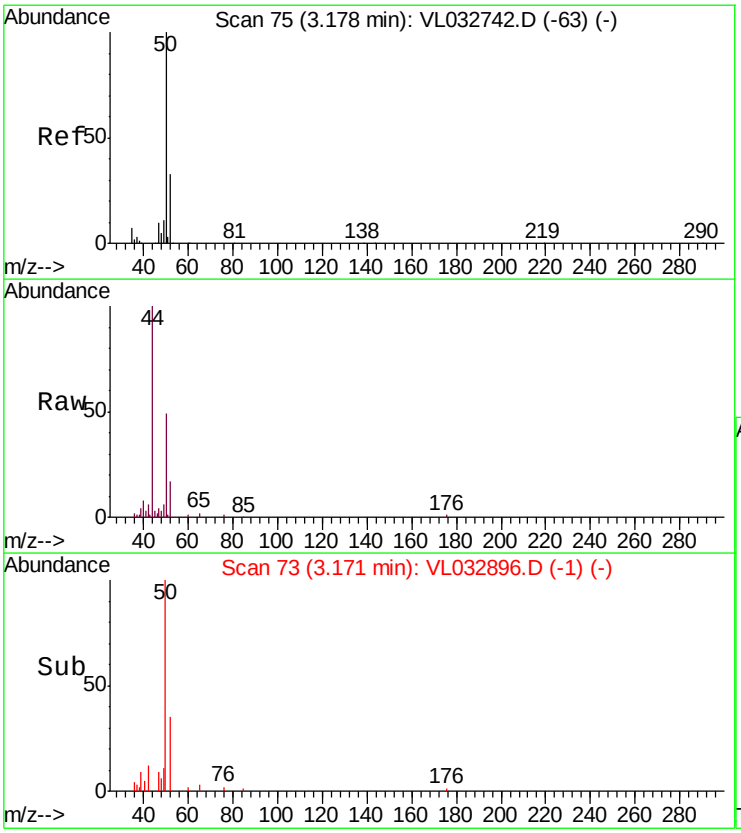
#3
Chlorodifluoromethane
Concen: 2.535 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VSV-4

Tgt Ion: 51 Resp: 276365

Ion	Ratio	Lower	Upper
51	100		
67	16.9	16.1	24.1

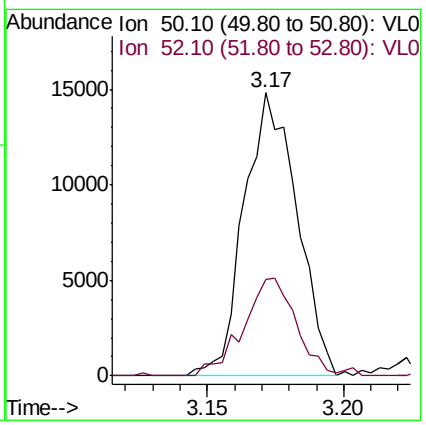


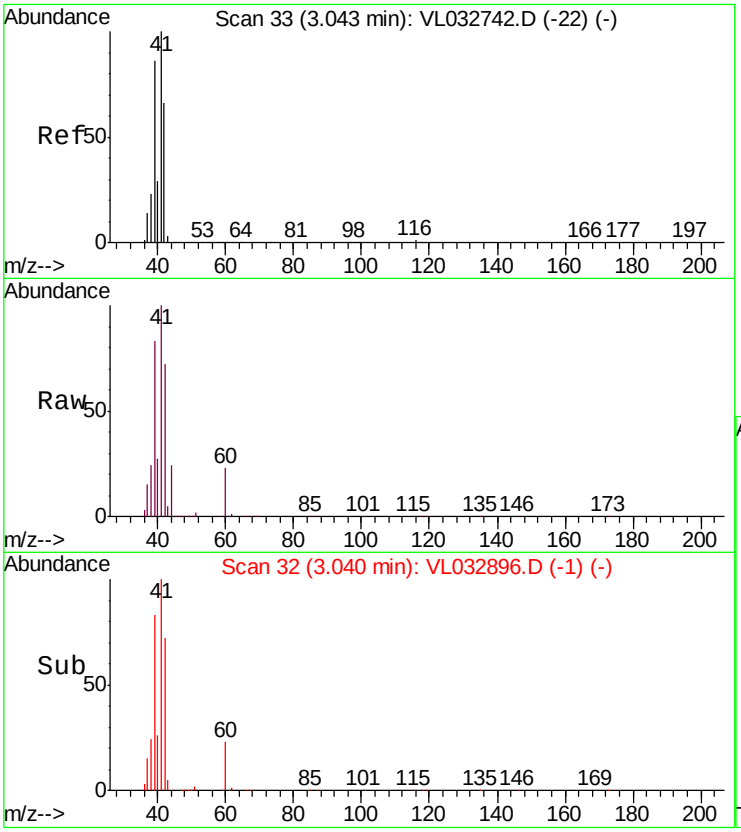


#4
Chloromethane
Concen: 0.329 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 50 Resp: 19896

Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.6	40.0



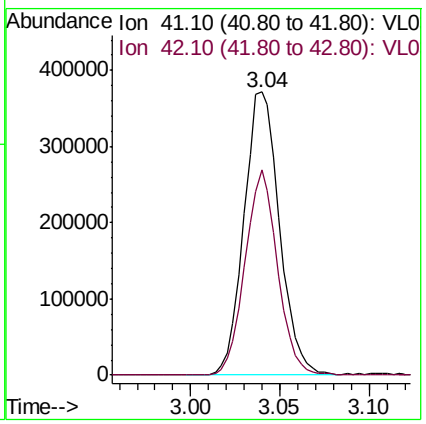


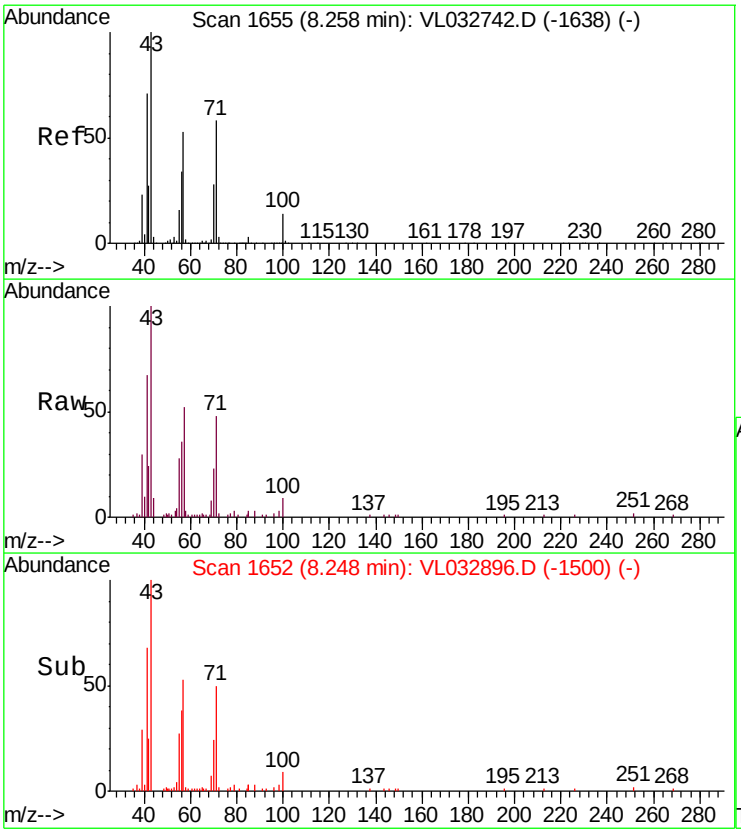
#9
Propene
Concen: 11.846 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VSV-4

Tgt Ion: 41 Resp: 516781

Ion	Ratio	Lower	Upper
41	100		
42	66.4	55.0	82.6

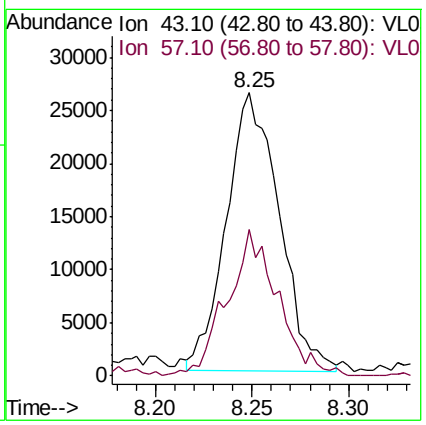


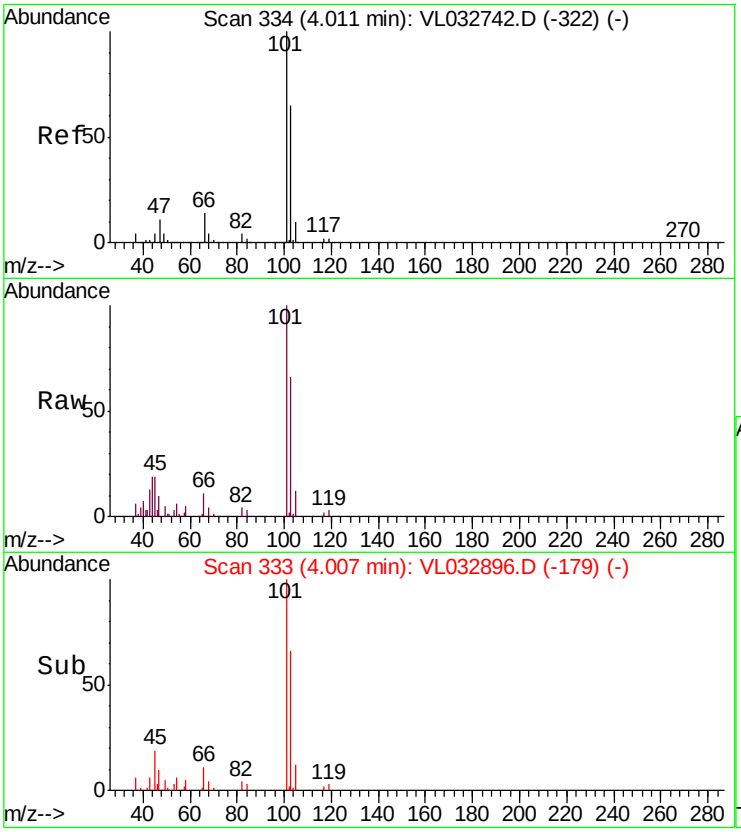


#10
Heptane
Concen: 0.300 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 43 Resp: 49911

Ion	Ratio	Lower	Upper
43	100		
57	50.4	41.8	62.8



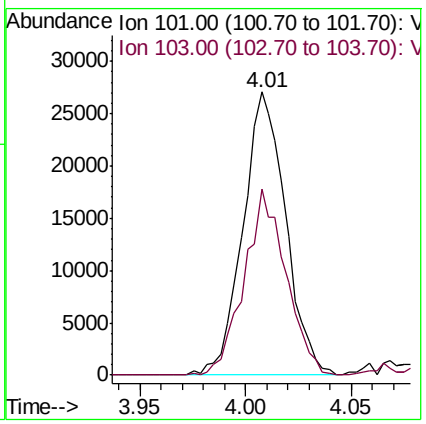


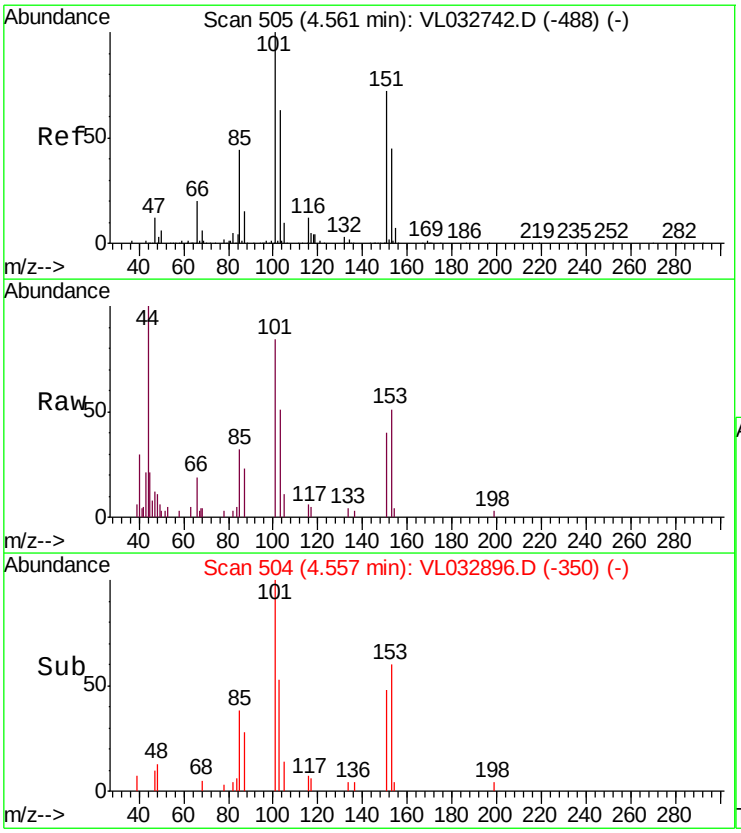
#11
Trichlorofluoromethane
Concen: 0.204 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VSV-4

Tgt Ion:101 Resp: 37962

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

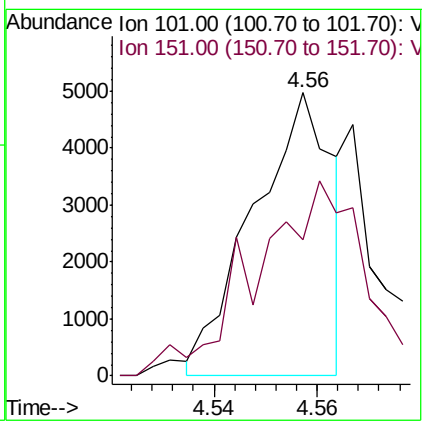


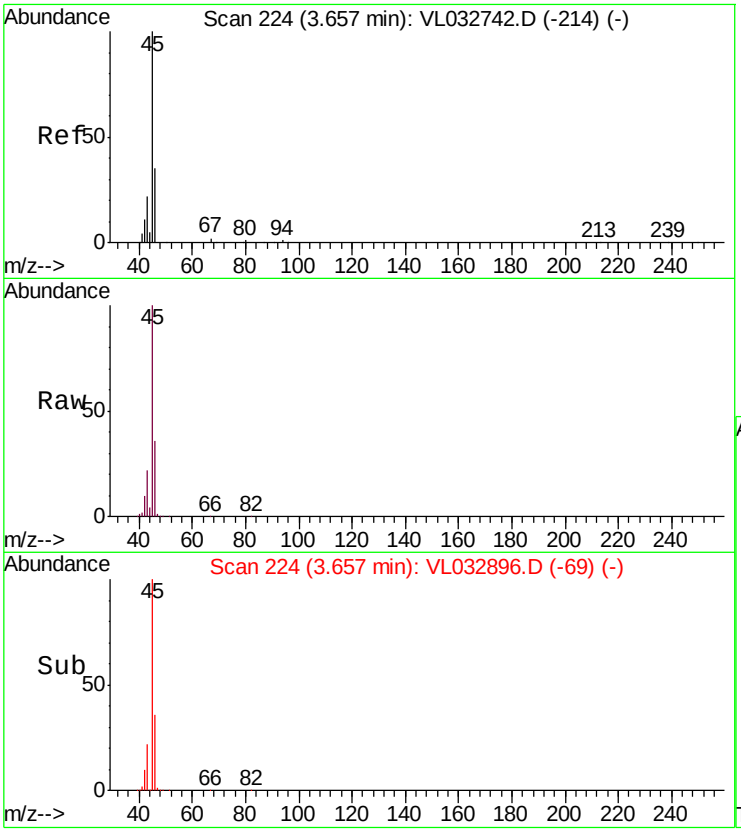


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.035 ppbv
RT: 4.56 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion:101 Resp: 5277

Ion	Ratio	Lower	Upper
101	100		
151	94.7	56.7	85.1#



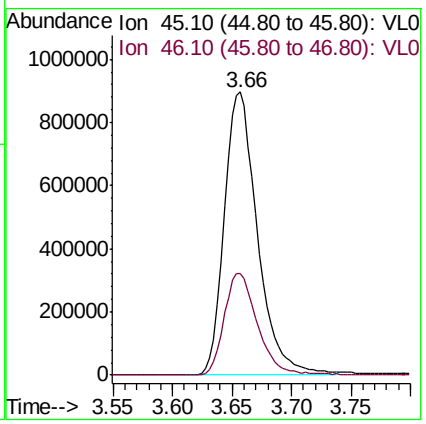


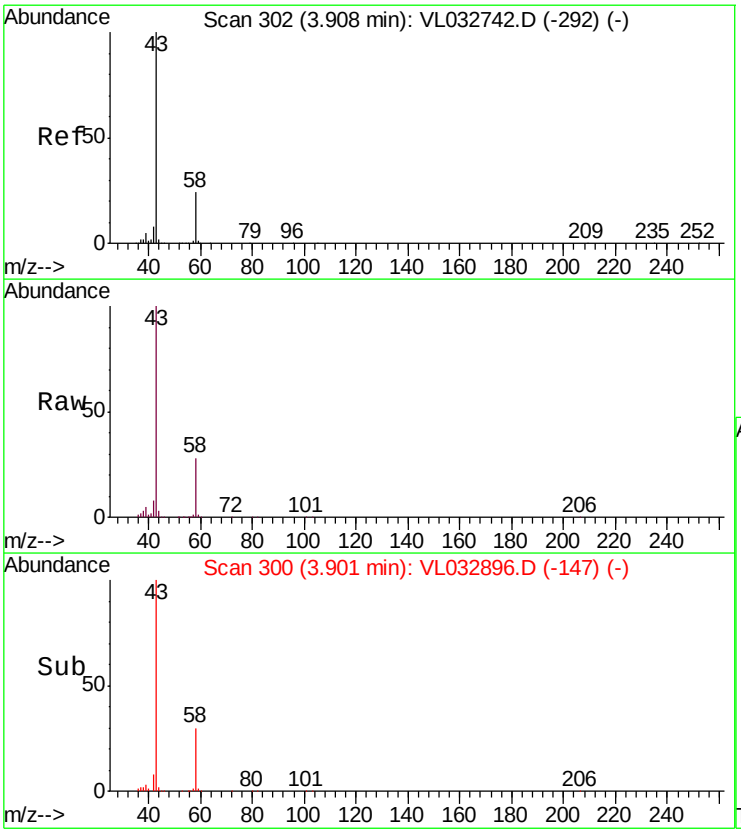
#13
Ethanol
Concen: 121.386 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VSV-4

Tgt Ion: 45 Resp: 1734408

Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.5	57.9

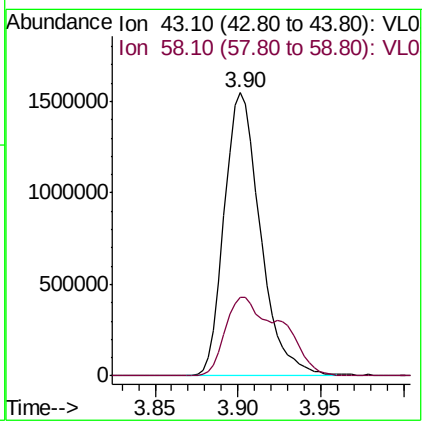


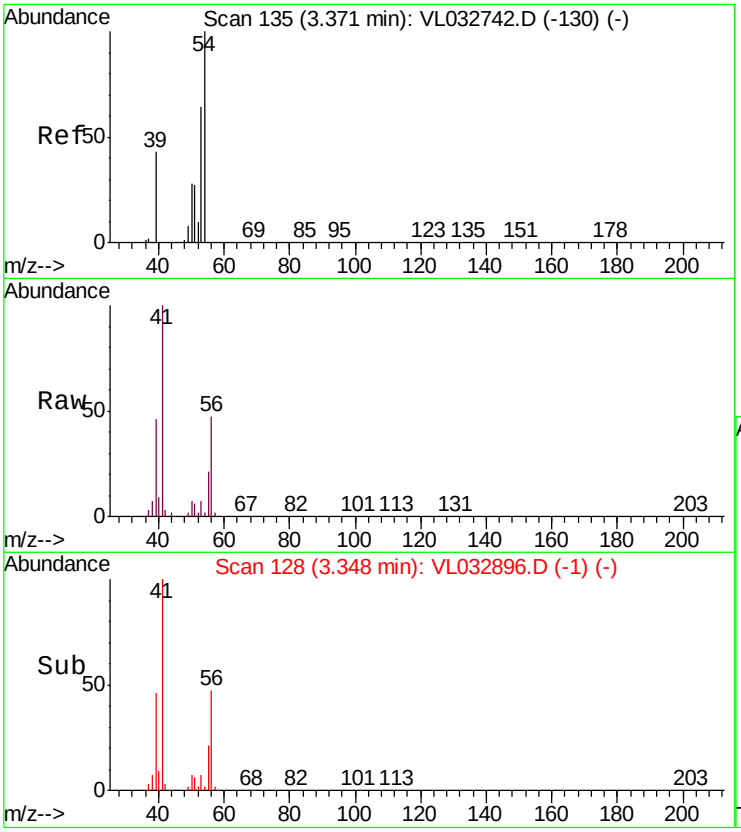


#15
Acetone
Concen: 18.604 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 43 Resp: 2336077

Ion	Ratio	Lower	Upper
43	100		
58	43.5	21.1	31.7#



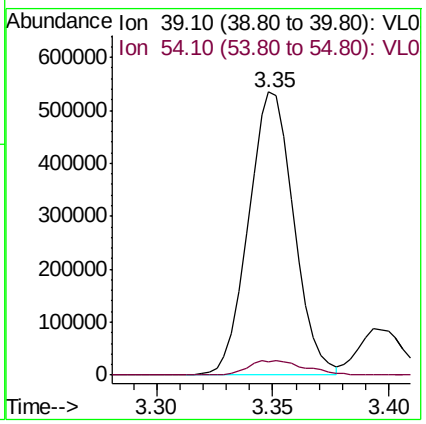


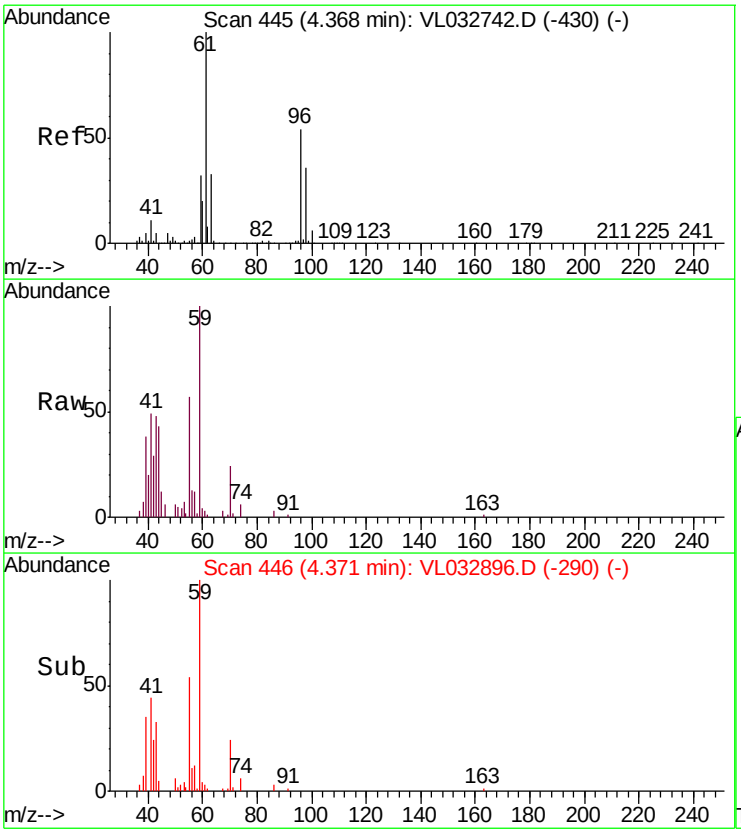
#16
1,3-Butadiene
Concen: 14.948 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion: 39 Resp: 726868

Ion	Ratio	Lower	Upper
39	100		
54	6.8	68.9	103.3#

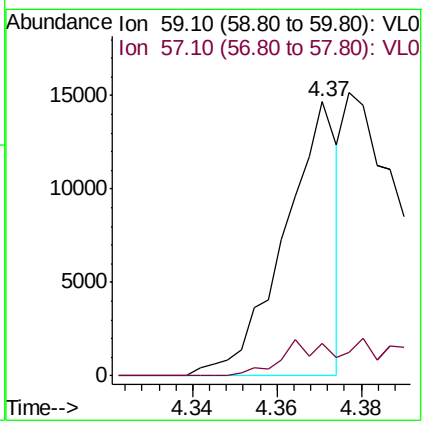


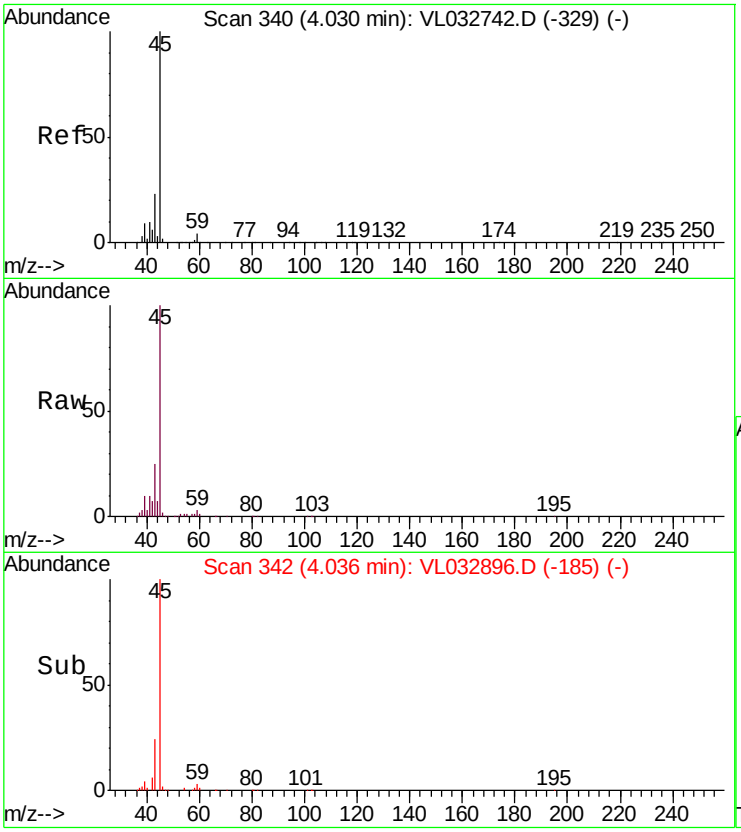


#17
tert-Butyl alcohol
Concen: 0.327 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 59 Resp: 12860

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#



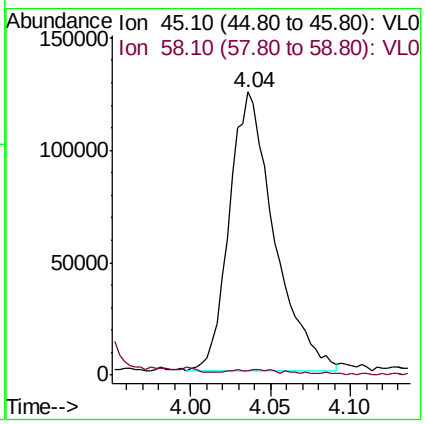


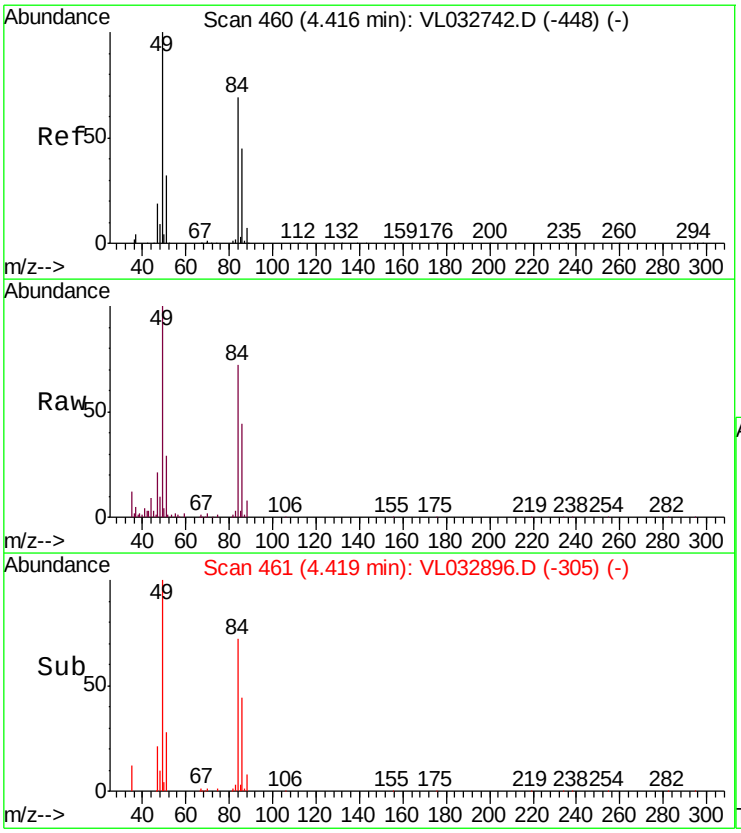
#19
Isopropyl Alcohol
Concen: 2.827 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion: 45 Resp: 236480

Ion	Ratio	Lower	Upper
45	100		
58	429.1	1.4	2.0#

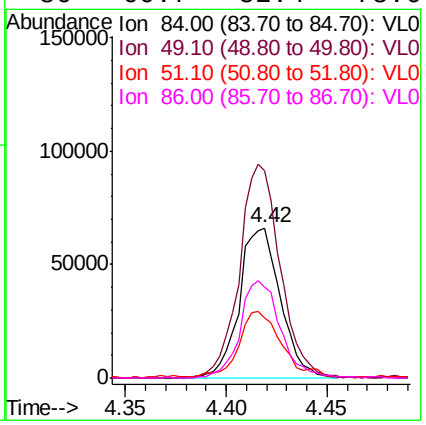


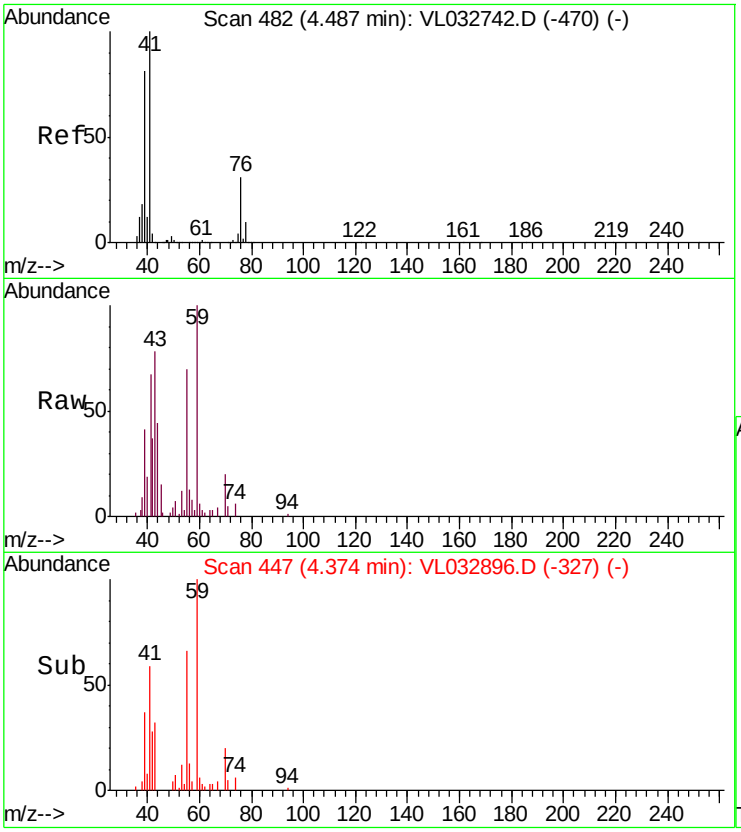


#20
Methylene Chloride
Concen: 1.452 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 84 Resp: 94357

Ion	Ratio	Lower	Upper
84	100		
49	137.8	115.8	173.6
51	39.7	36.9	55.3
86	60.7	52.4	78.6



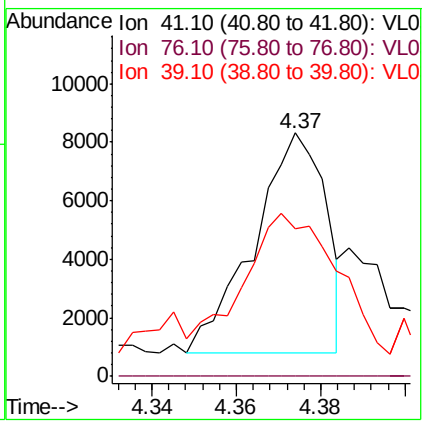


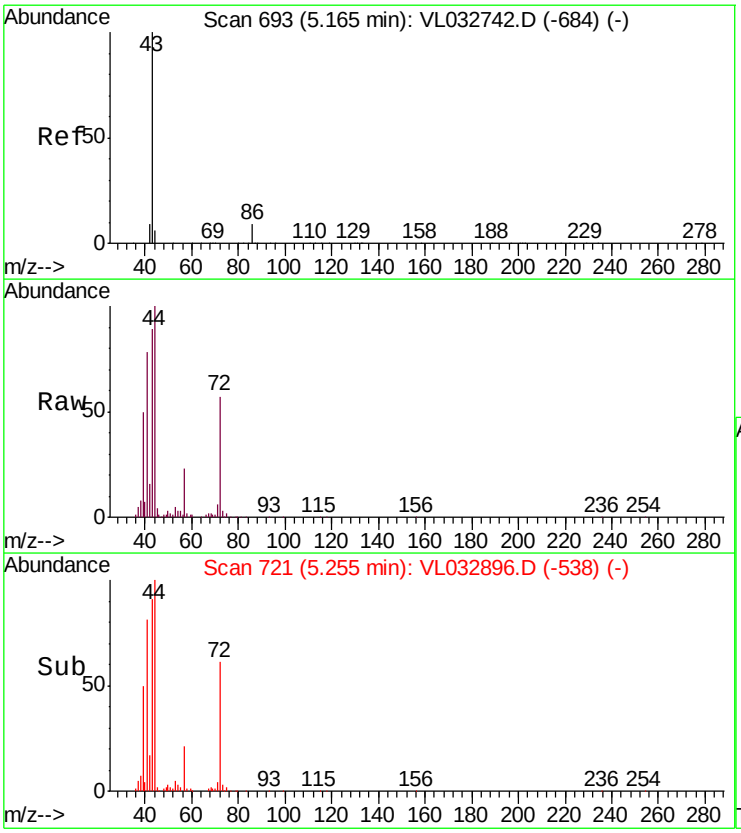
#21
Allyl Chloride
Concen: 0.084 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.11 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion: 41 Resp: 8894

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	140.3	63.5	95.3#

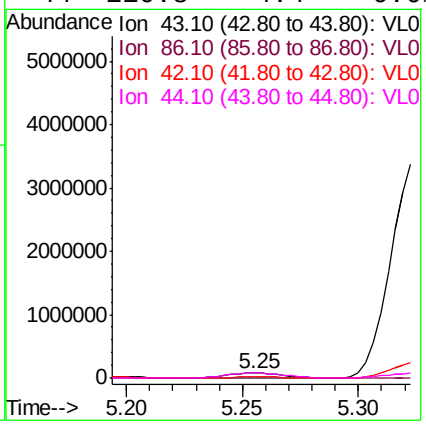


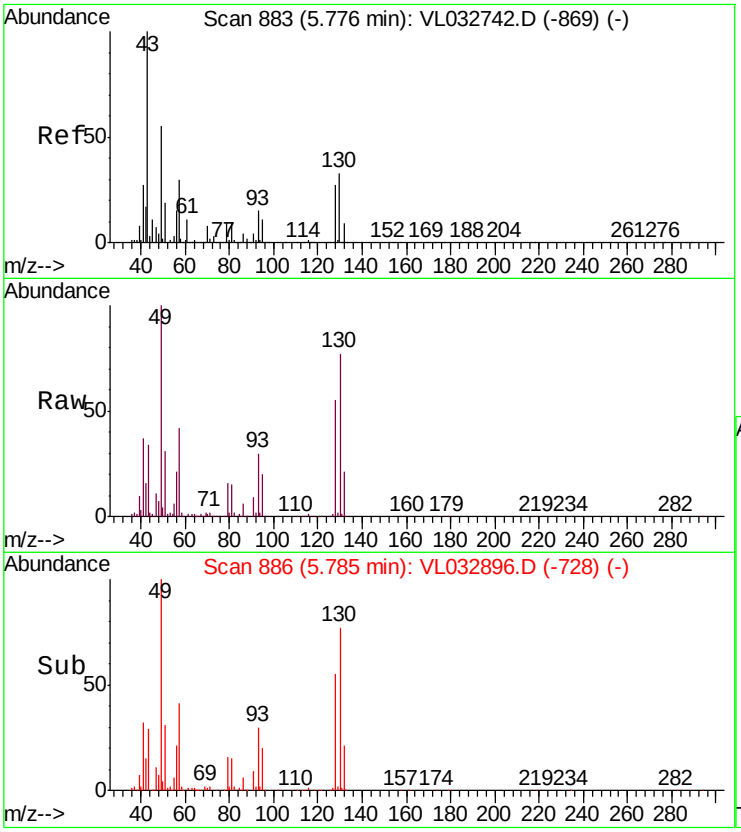


#23
Vinyl Acetate
Concen: 0.514 ppbv
RT: 5.25 min Scan# 721
Delta R.T. 0.09 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 43 Resp: 117612

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.4#
42	17.9	7.8	11.6#
44	110.8	4.4	6.6#



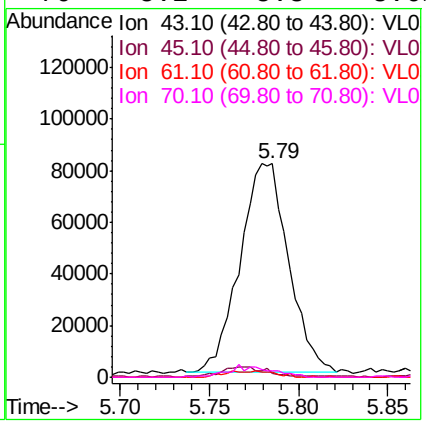


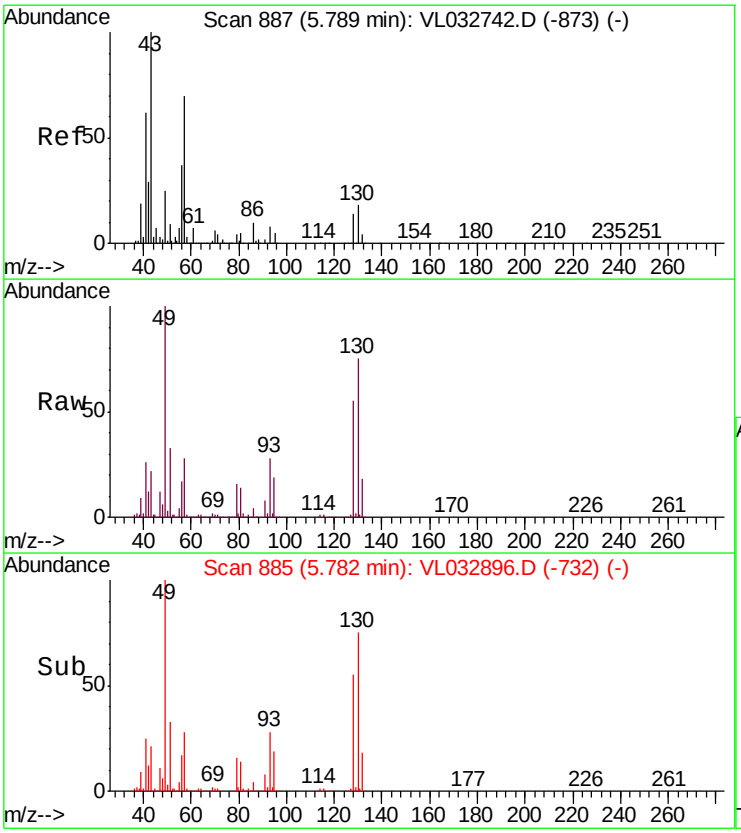
#25
Ethyl Acetate
Concen: 0.528 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion: 43 Resp: 154658

Ion	Ratio	Lower	Upper
43	100		
45	5.6	7.9	11.9#
61	3.4	7.8	11.6#
70	5.2	5.8	8.6#

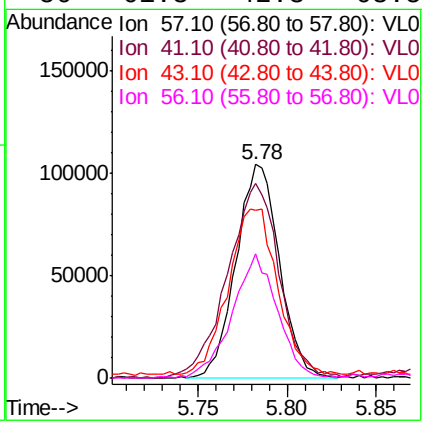


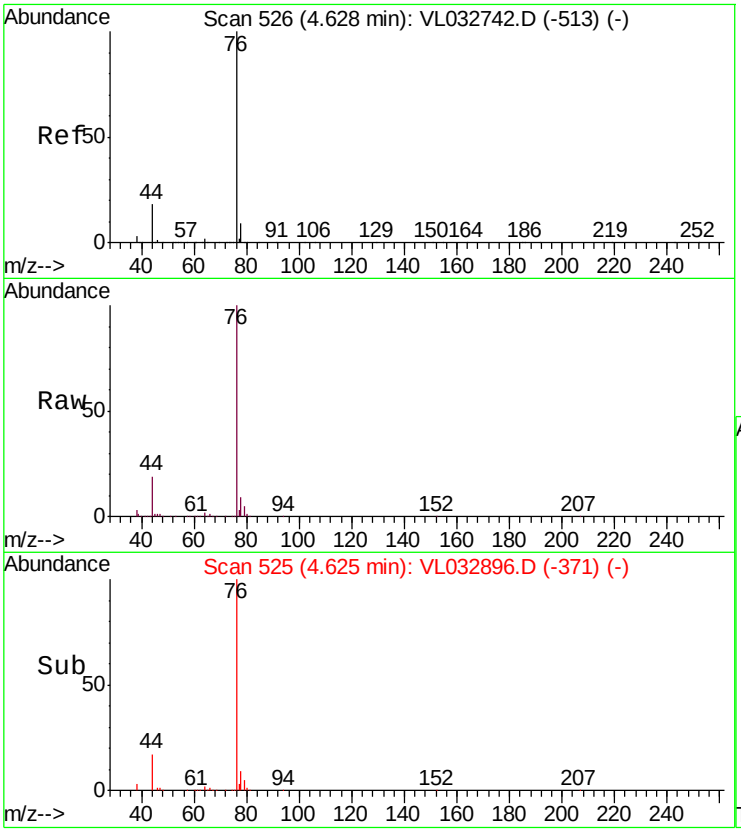


#26
Hexane
Concen: 1.347 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 57 Resp: 175471

Ion	Ratio	Lower	Upper
57	100		
41	108.8	70.3	105.5#
43	0.0	174.0	261.0#
56	61.3	42.3	63.5



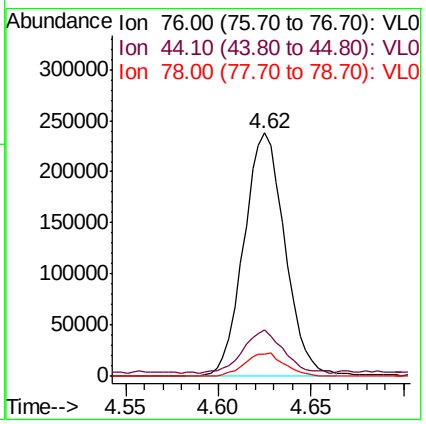


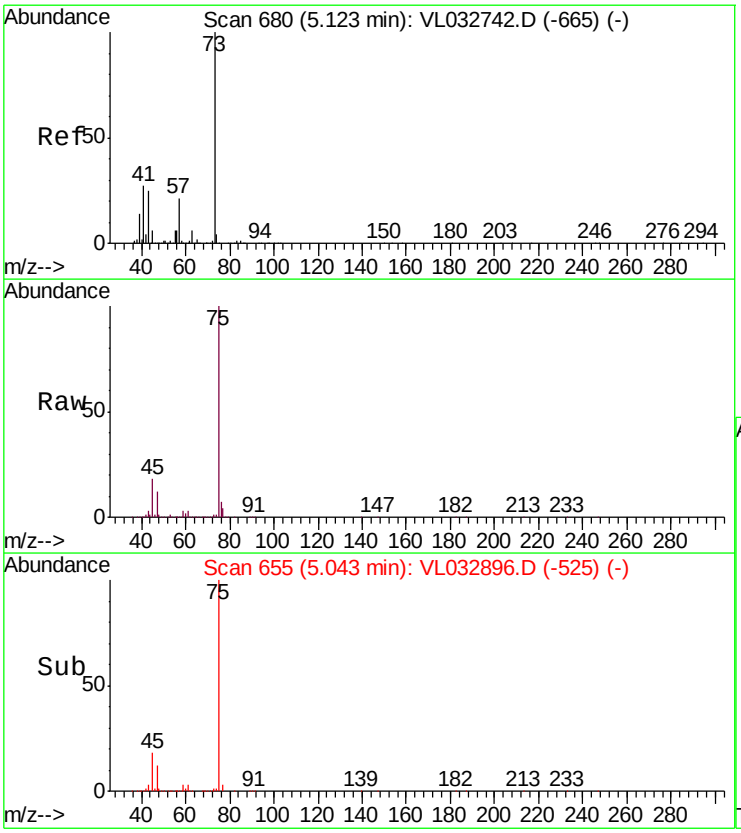
#27
Carbon Disulfide
Concen: 2.229 ppbv
RT: 4.62 min Scan# 525
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion: 76 Resp: 368131

Ion	Ratio	Lower	Upper
76	100		
44	17.3	14.4	21.6
78	9.3	7.7	11.5

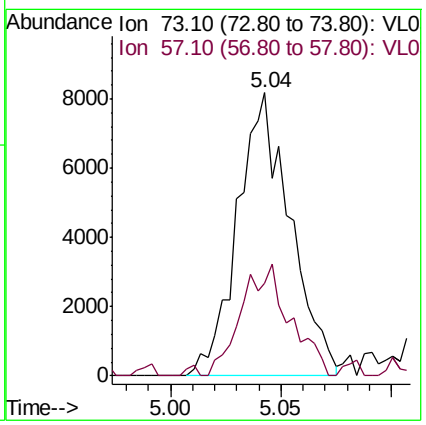


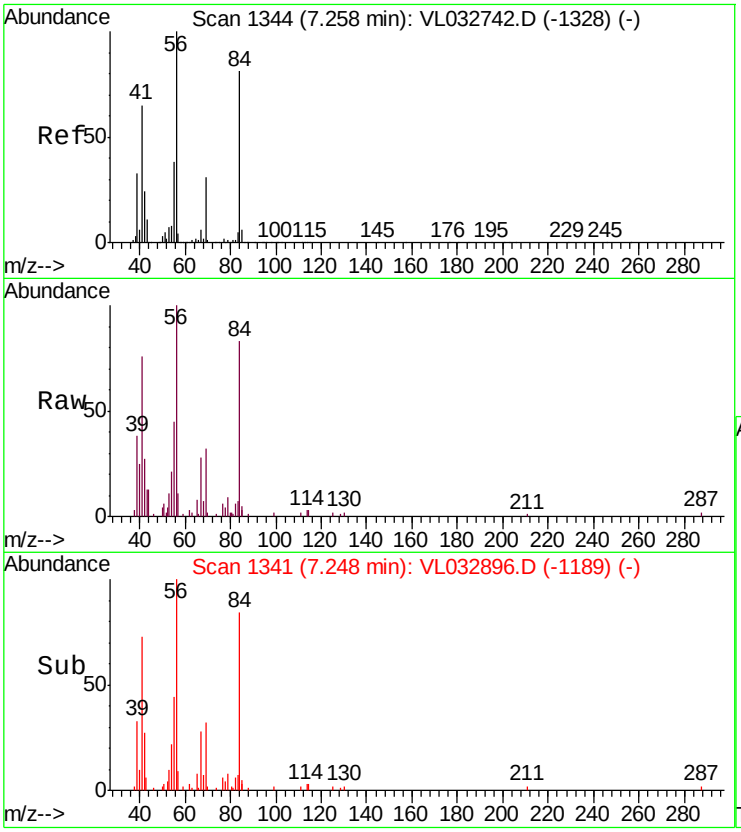


#28
Methyl tert-Butyl Ether
Concen: 0.065 ppbv
RT: 5.04 min Scan# 655
Delta R.T. -0.08 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 73 Resp: 13548

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.5	26.3#



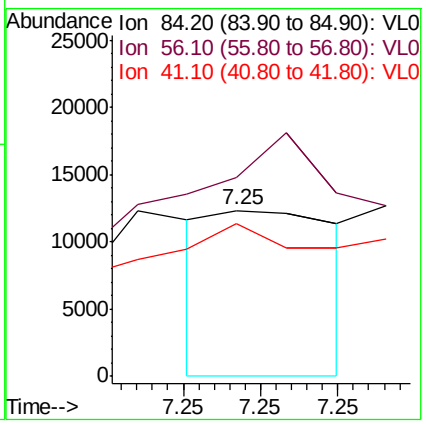


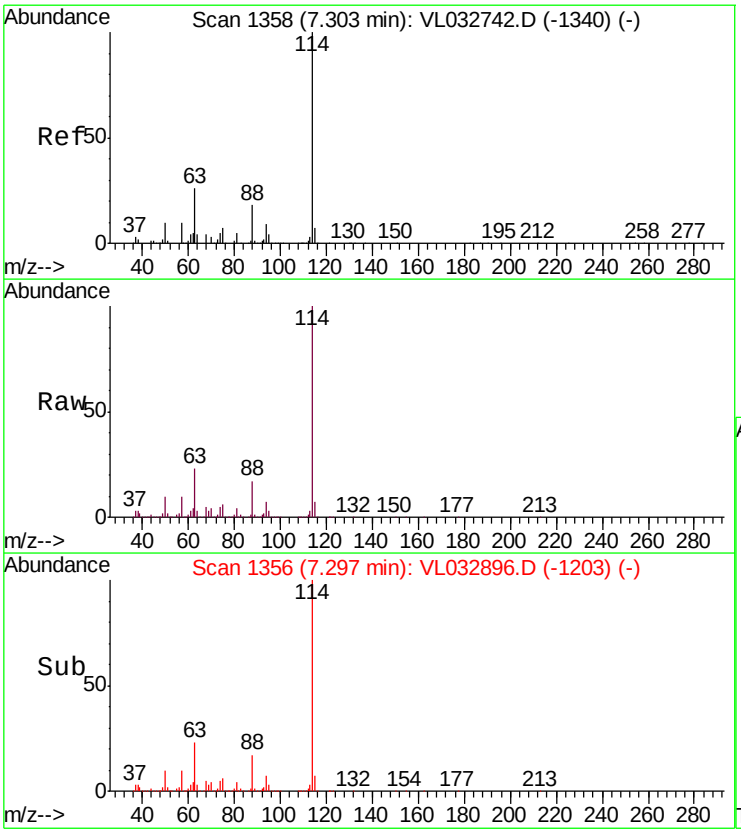
#30
Cyclohexane
Concen: 0.061 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VSV-4

Tgt Ion: 84 Resp: 6928

Ion	Ratio	Lower	Upper
84	100		
56	453.1	105.0	157.4#
41	564.8	65.3	97.9#

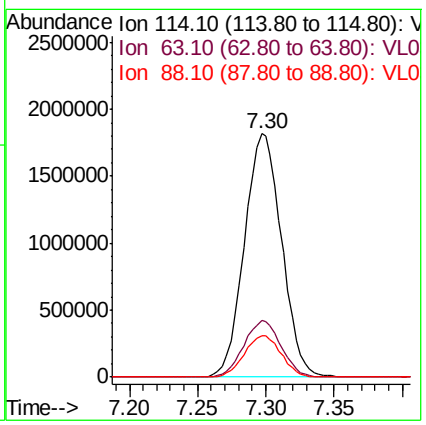


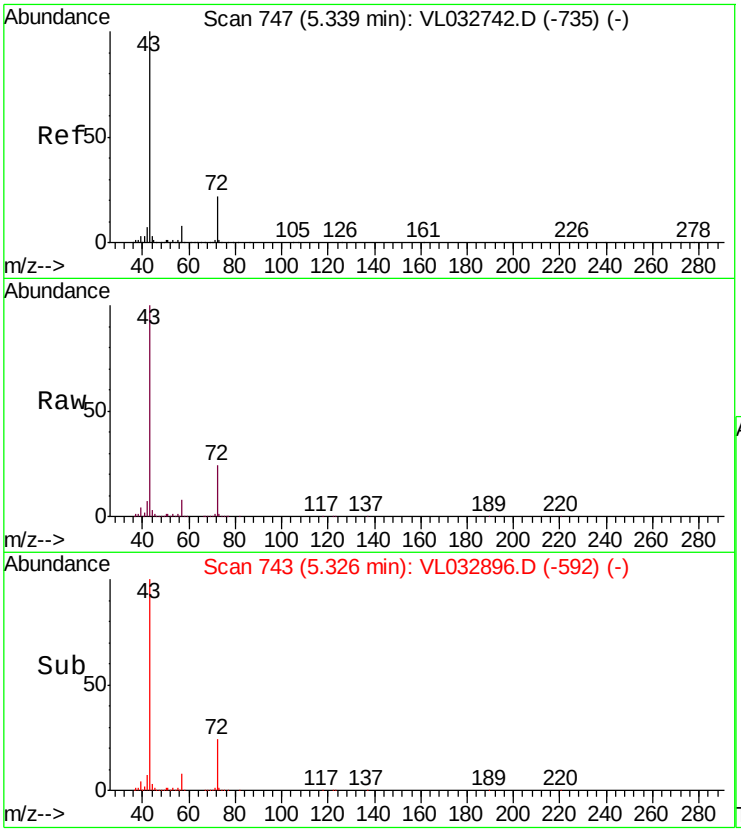


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion:114 Resp: 3431306

Ion	Ratio	Lower	Upper
114	100		
63	23.4	20.9	31.3
88	17.0	14.4	21.6



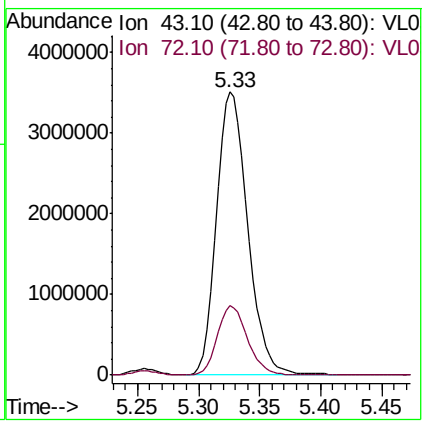


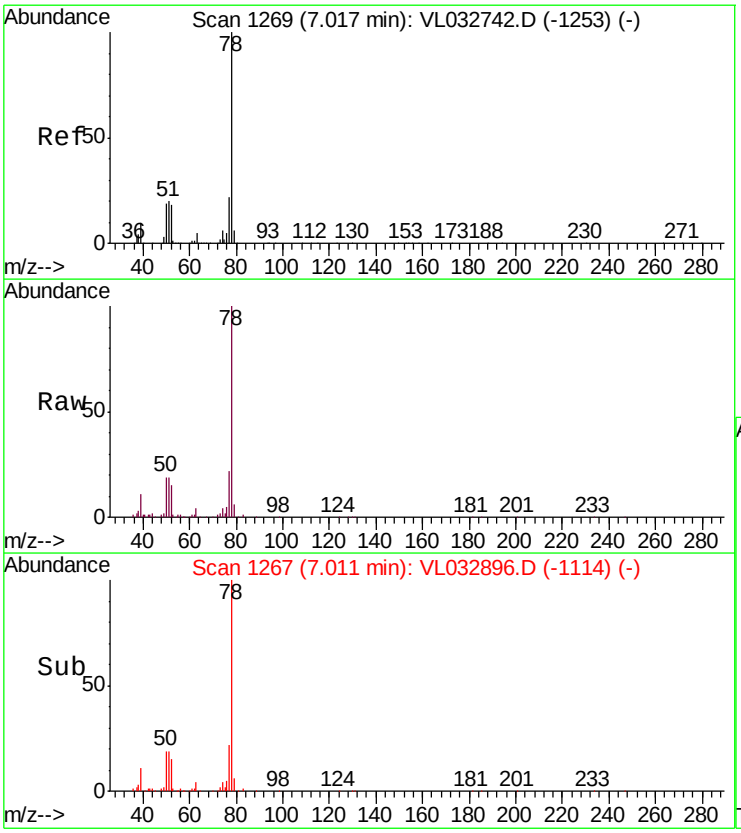
#34
2-Butanone
Concen: 35.451 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion: 43 Resp: 6309115

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6

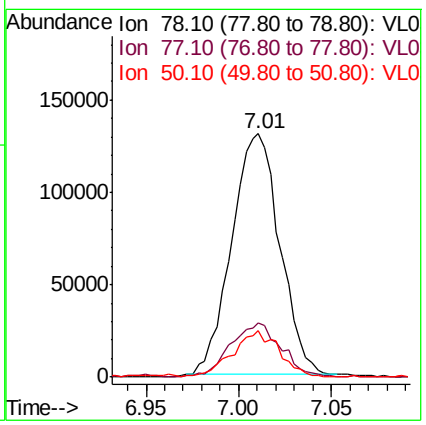


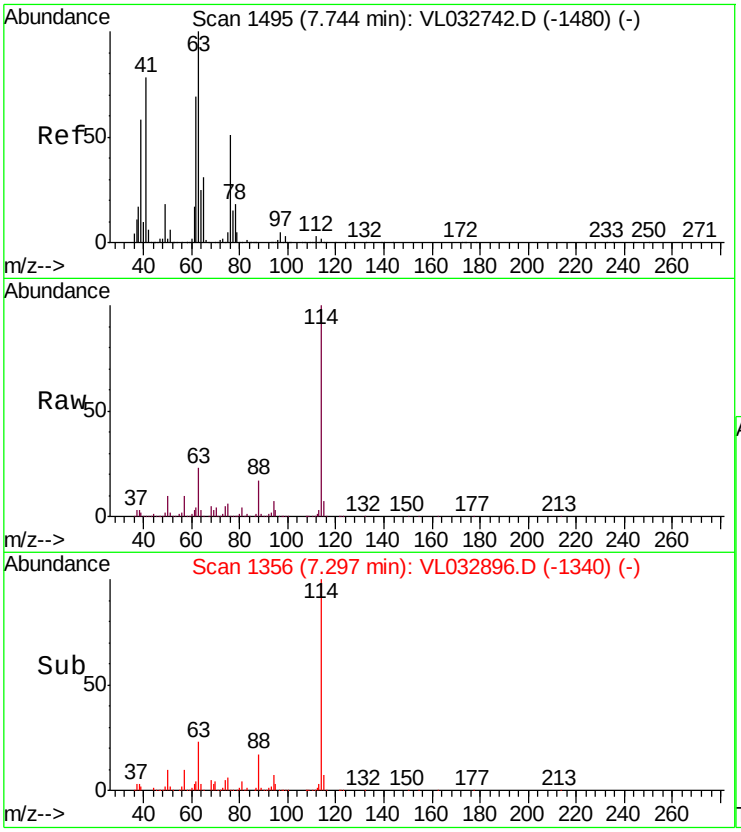


#36
Benzene
Concen: 0.860 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 78 Resp: 235059

Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.8	26.8
50	18.9	15.4	23.0



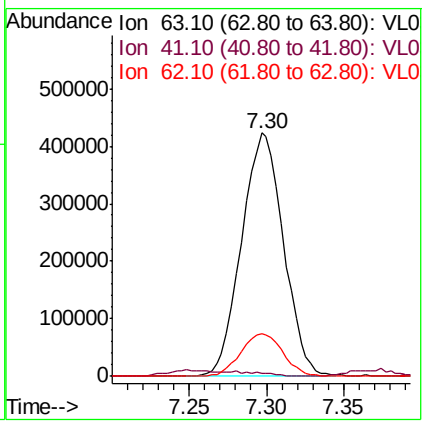


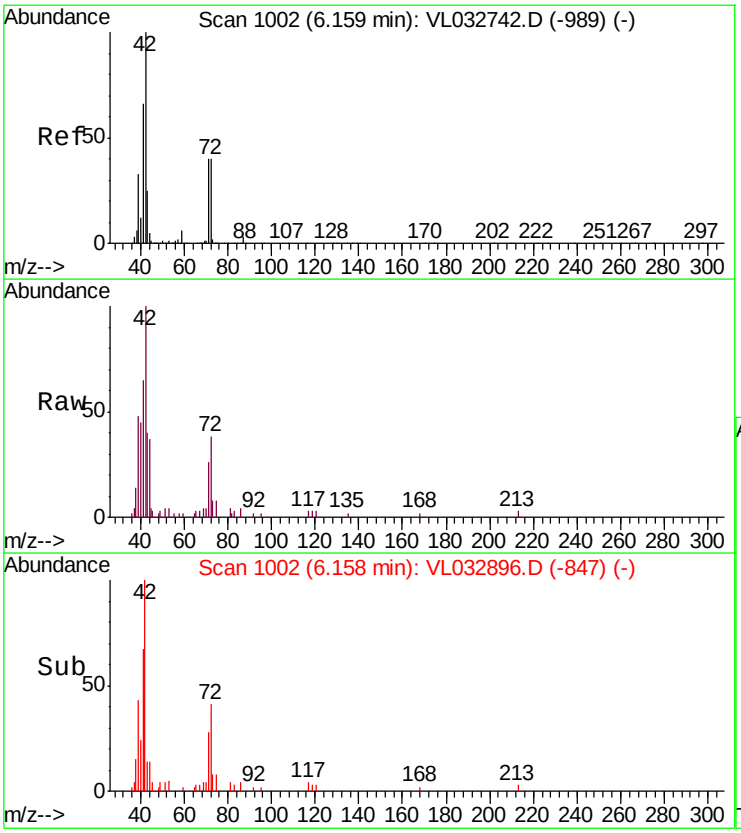
#39
1,2-Dichloropropane
Concen: 7.642 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion: 63 Resp: 795629

Ion	Ratio	Lower	Upper
63	100		
41	0.6	62.0	93.0#
62	17.5	55.4	83.2#

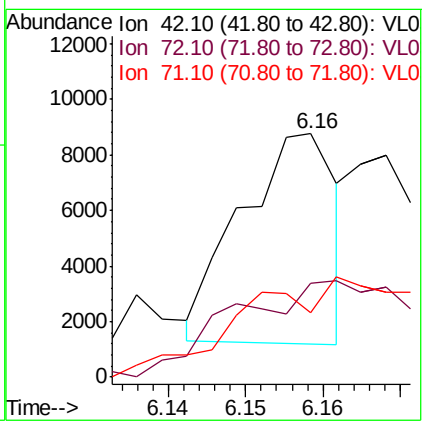


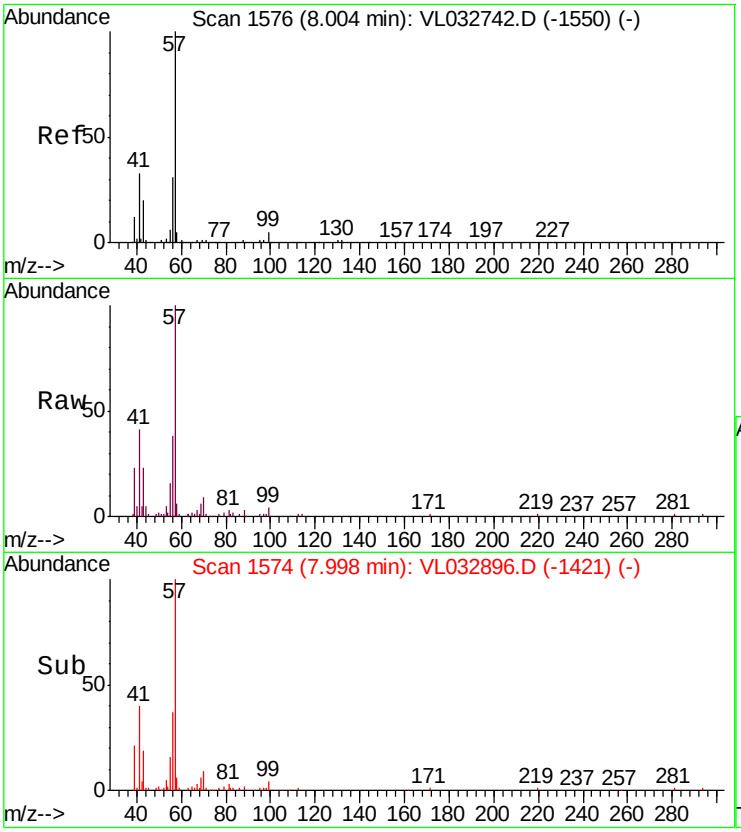


#41
Tetrahydrofuran
Concen: 0.063 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 42 Resp: 6472

Ion	Ratio	Lower	Upper
42	100		
72	127.3	32.4	48.6#
71	104.5	31.6	47.4#



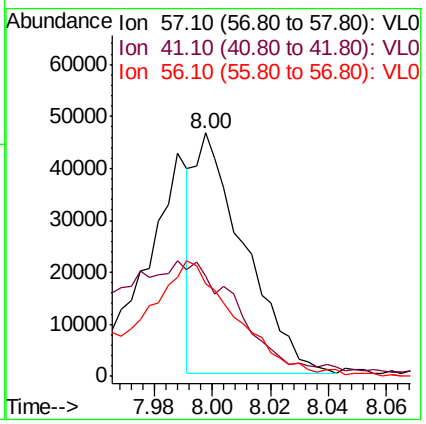


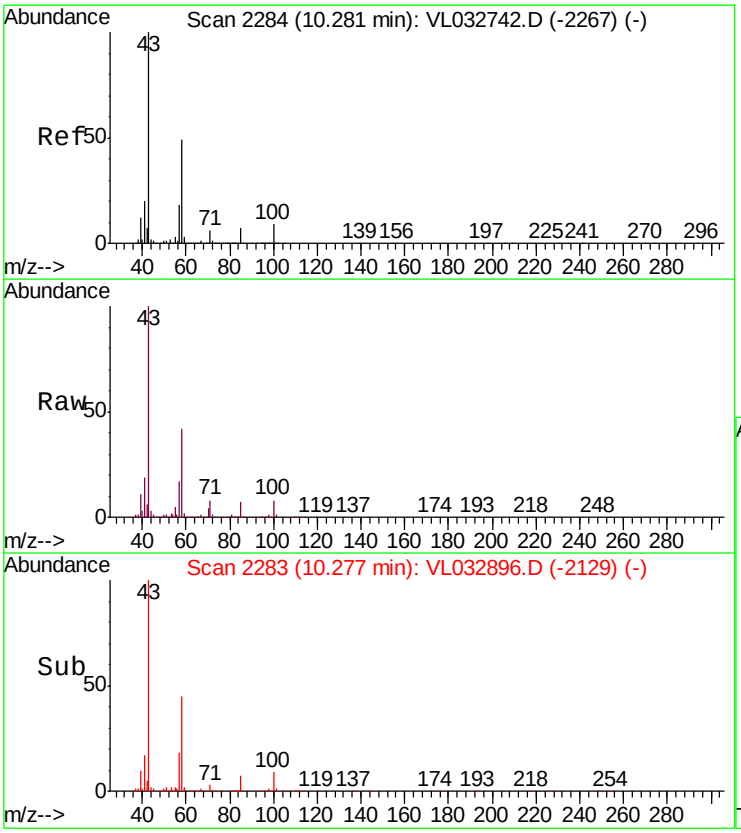
#44
2,2,4-Trimethylpentane
Concen: 0.123 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion: 57 Resp: 56024

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.6	39.8#
56	0.0	24.8	37.2#

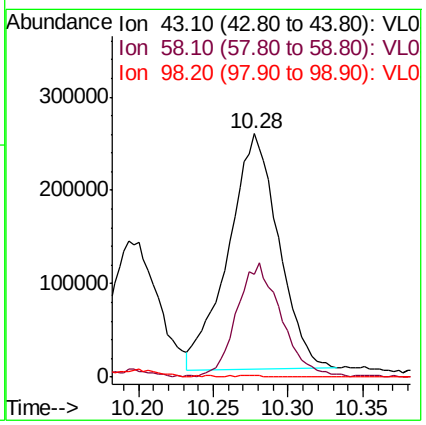


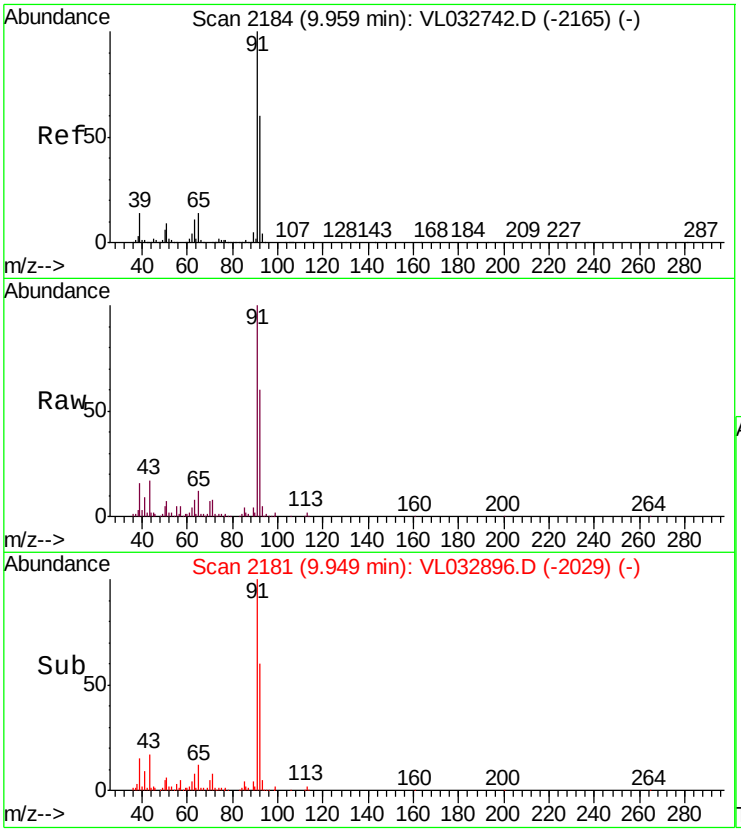


#51
2-Hexanone
Concen: 3.302 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 43 Resp: 591405

Ion	Ratio	Lower	Upper
43	100		
58	43.2	38.9	58.3
98	0.8	0.2	0.4#



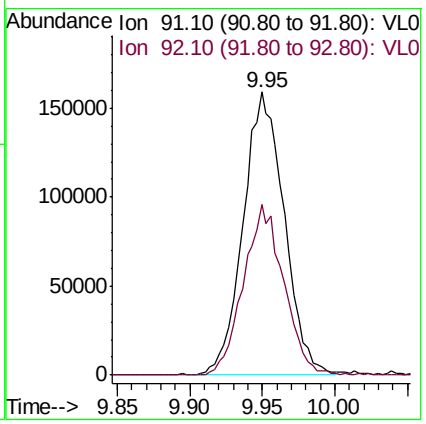


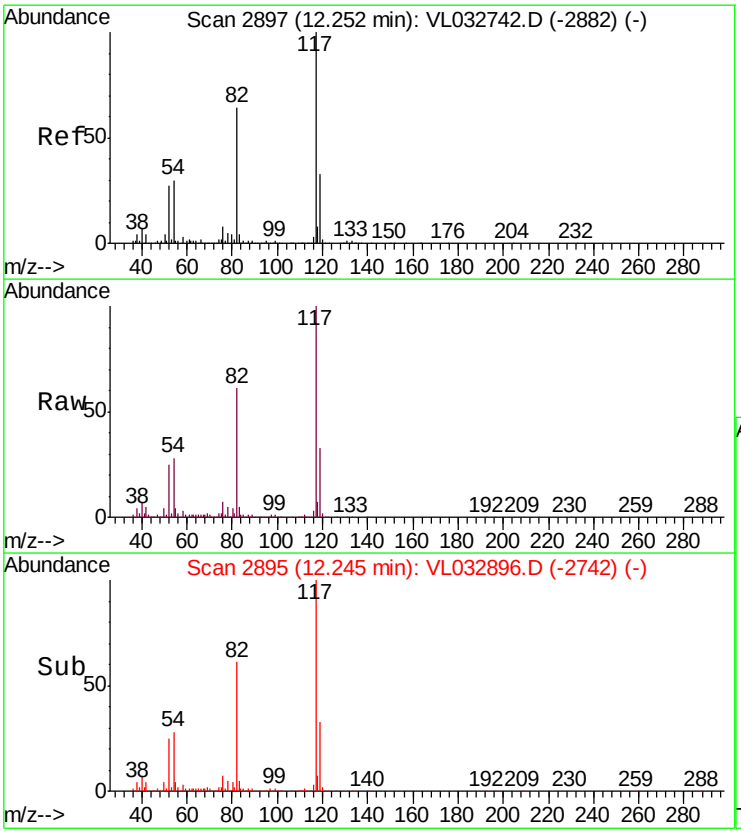
#53
Toluene
Concen: 1.098 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion: 91 Resp: 313054

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.9	71.9

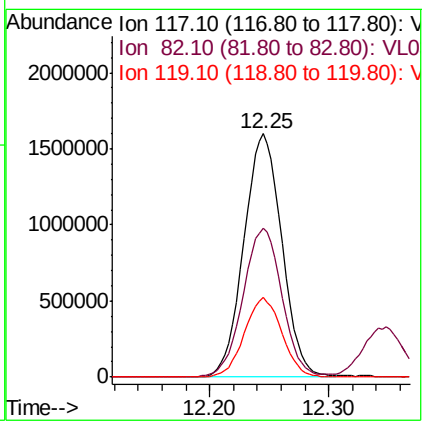


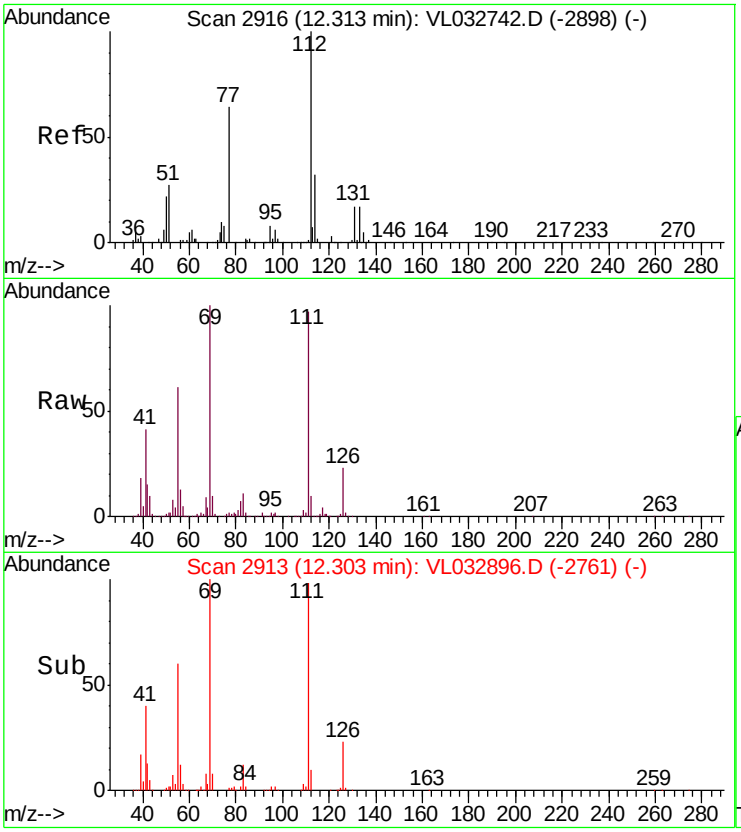


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion:117 Resp: 3527608

Ion	Ratio	Lower	Upper
117	100		
82	62.9	51.0	76.6
119	32.4	28.0	42.0



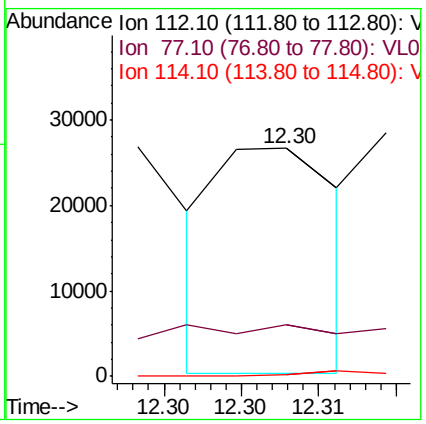


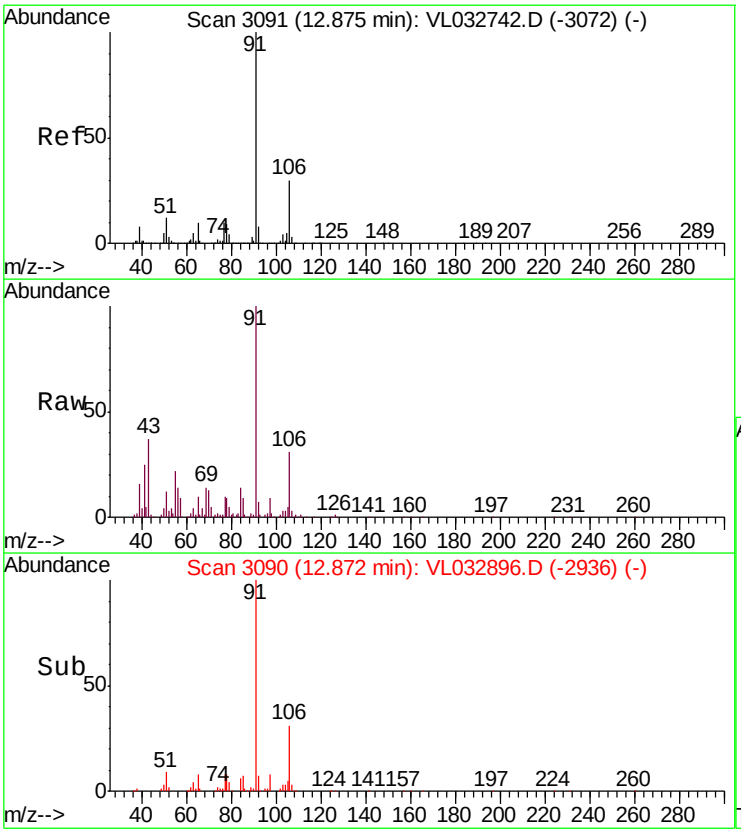
#57
Chlorobenzene
Concen: 0.053 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion:112 Resp: 14344

Ion	Ratio	Lower	Upper
112	100		
77	14.5	52.3	78.5#
114	4.9	28.4	34.8#

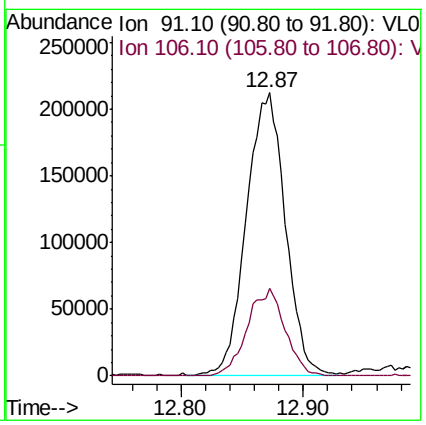


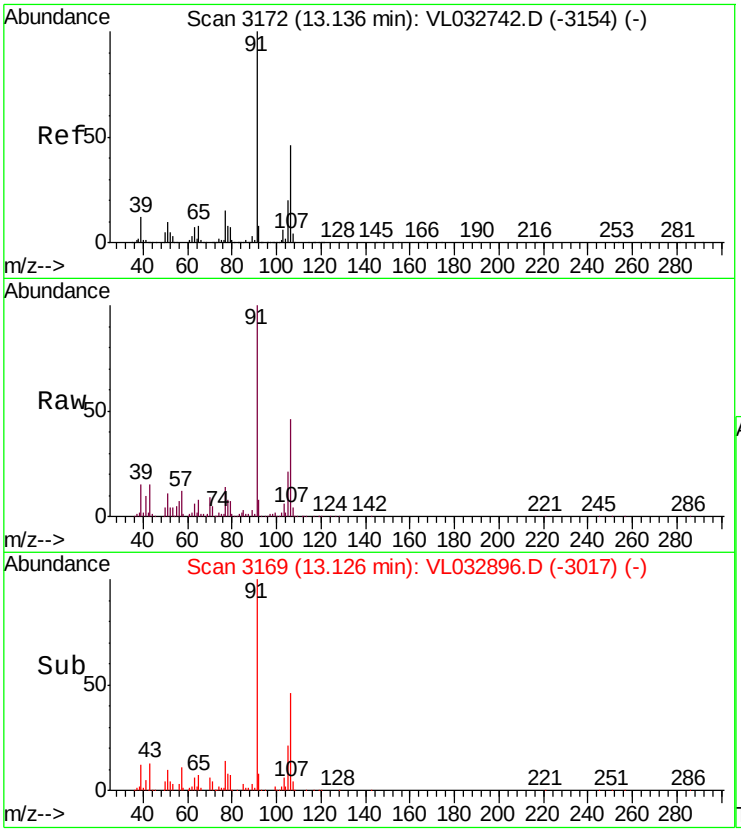


#58
Ethyl Benzene
Concen: 1.094 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 91 Resp: 464629

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.6	35.4



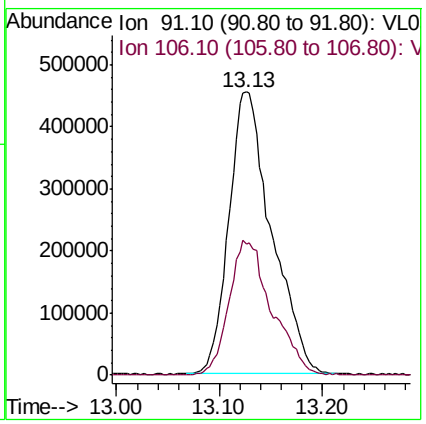


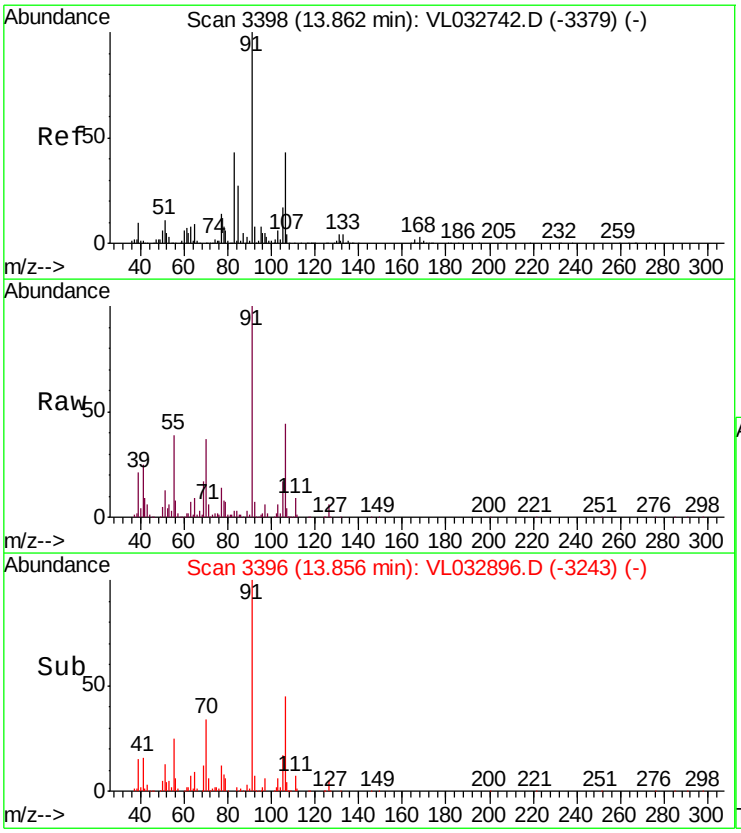
#59
m/p-Xylene
Concen: 3.466 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion: 91 Resp: 1310074

Ion	Ratio	Lower	Upper
91	100		
106	47.7	36.1	54.1

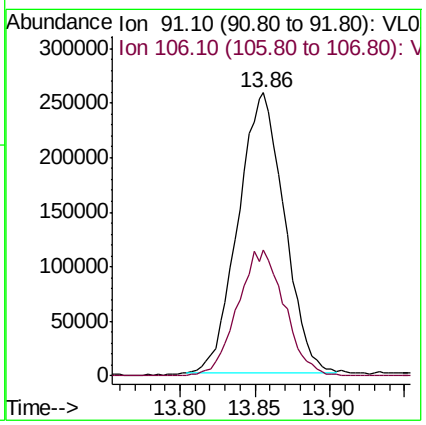


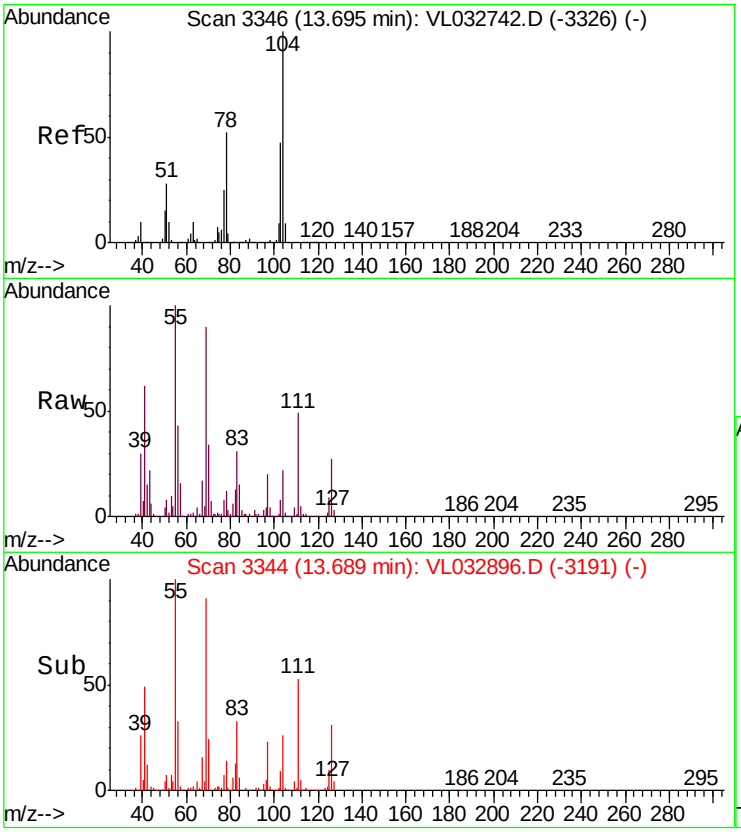


#60
o-Xylene
Concen: 1.460 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 91 Resp: 554846

Ion	Ratio	Lower	Upper
91	100		
106	45.4	21.9	65.7



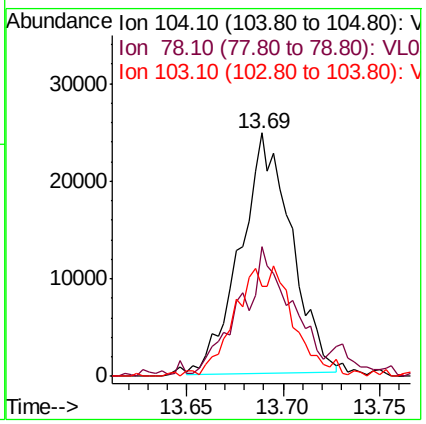


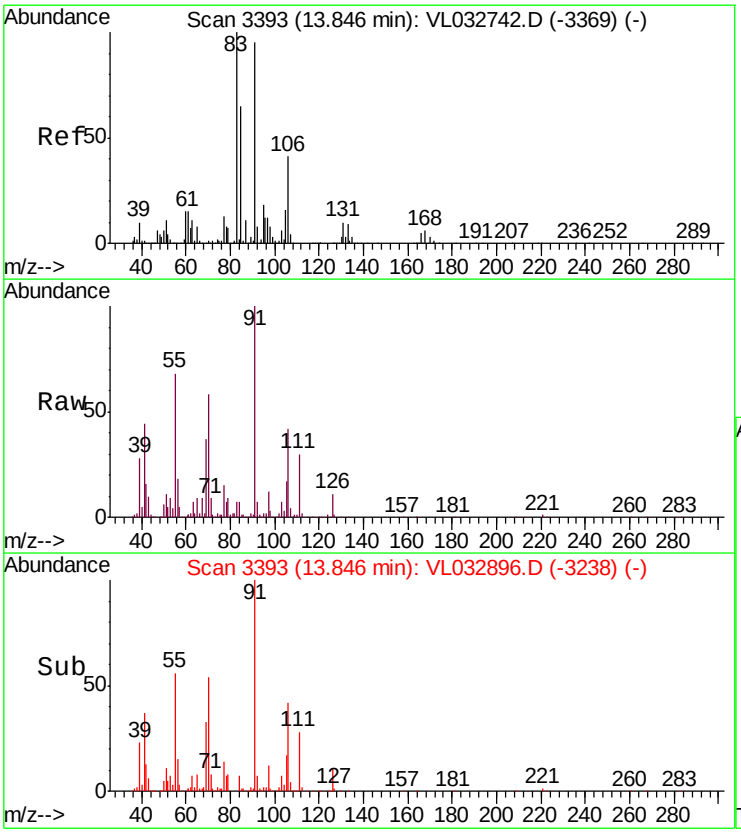
#61
Styrene
Concen: 0.182 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VSV-4

Tgt Ion:104 Resp: 45103

Ion	Ratio	Lower	Upper
104	100		
78	66.2	42.2	63.4#
103	54.2	38.2	57.2

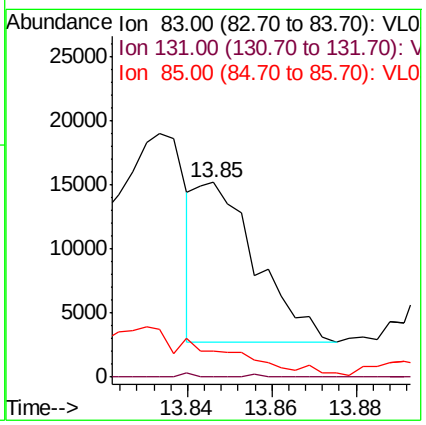


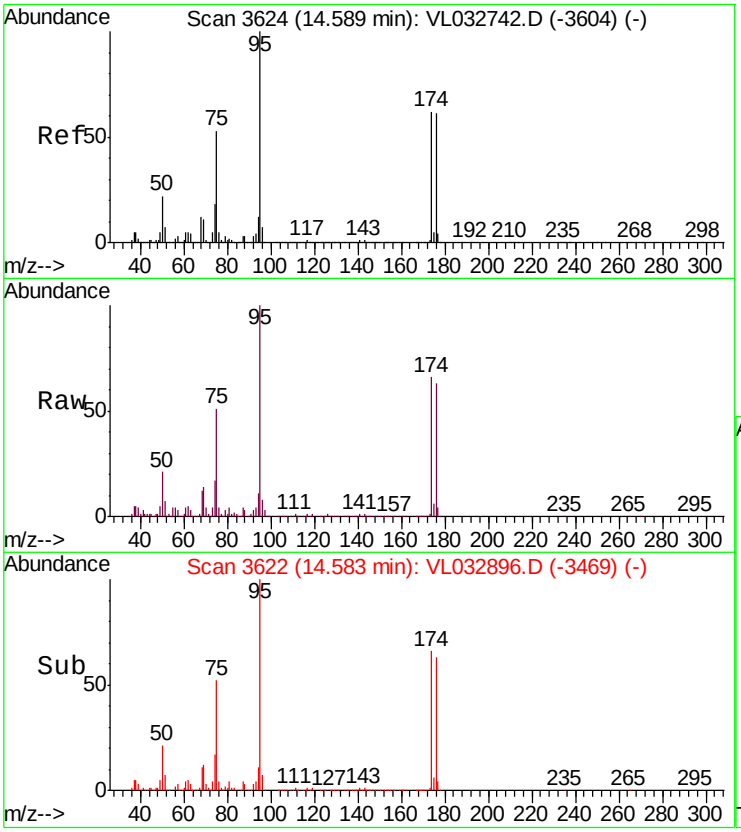


#63
1,1,2,2-Tetrachloroethane
Concen: 0.042 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion: 83 Resp: 12457

Ion	Ratio	Lower	Upper
83	100		
131	0.8	4.7	14.1#
85	0.0	32.5	97.4#



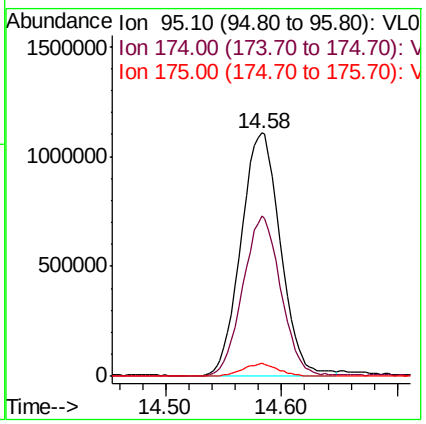


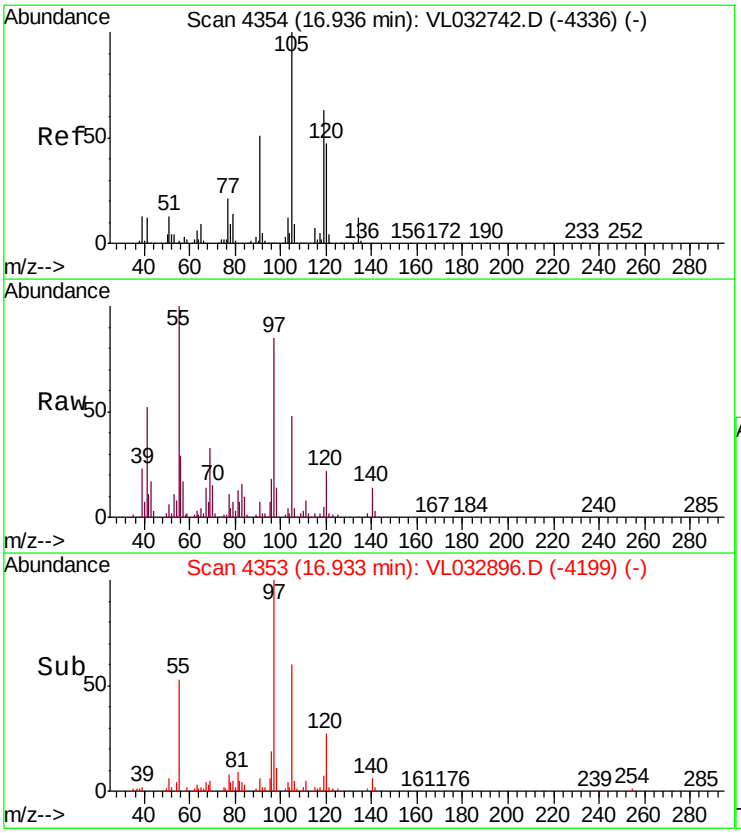
#68
1-Bromo-4-Fluorobenzene
Concen: 9.941 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VSV-4

Tgt Ion: 95 Resp: 2622871

Ion	Ratio	Lower	Upper
95	100		
174	64.7	50.7	76.1
175	4.9	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.187 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL032896.D
Acq: 5 Dec 2018 3:57

Tgt Ion:105 Resp: 81519

Ion	Ratio	Lower	Upper
105	100		
120	45.3	37.6	56.4
91	11.0	42.5	63.7#
77	20.0	17.4	26.2