Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112018\
Data File : VL032783.D
Acq On : 20 Nov 2018 18:07
Operator : SY/AP
Sample : J5961-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 21 04:06:44 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	1341639	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3577945	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3388050	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2557537	10.09	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	96165	0.499	ppbv		97
3) Chlorodifluoromethane	3.02	51	211023	1.984	ppbv	#	79
4) Chloromethane	3.18	50	27694	0.470	ppbv		97
9) Propene	3.25	41	91861	2.158	ppbv		86
10) Heptane	8.26	43	172908	1.064	ppbv		99
11) Trichlorofluoromethane	4.01	101	41430	0.228	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	13877	0.093	ppbv		98
13) Ethanol	3.67	45	1451649	104.120	ppbv		100
15) Acetone	3.91	43	923569	7.538	ppbv		99
16) 1,3-Butadiene	3.35	39	16913	0.356	ppbv	#	48
19) Isopropyl Alcohol	4.05	45	727365	8.911	ppbv	#	99
20) Methylene Chloride	4.42	84	246291	3.883	ppbv		97
21) Allyl Chloride	4.44	41	4753	0.046	ppbv	#	22
22) trans-1,2-Dichloroethene	4.97	96	4426	0.062	ppbv	#	36
23) Vinyl Acetate	5.15	43	151754	0.679	ppbv	#	56
25) Ethyl Acetate	5.79	43	232735	0.815	ppbv	#	84
26) Hexane	5.79	57	284818	2.241	ppbv	#	47
29) Chloroform	5.86	83	14383	0.063	ppbv		88
30) Cyclohexane	7.25	84	107371	0.966	ppbv		95
34) 2-Butanone	5.35	43	170855	0.921	ppbv		100
36) Benzene	7.02	78	272040	0.955	ppbv		97
39) 1,2-Dichloropropane	7.30	63	855611	7.882	ppbv	#	23
44) 2,2,4-Trimethylpentane	8.00	57	104404	0.219	ppbv	#	2
50) 4-Methyl-2-Pentanone	8.89	43	39973	0.138	ppbv	#	39
51) 2-Hexanone	10.28	43	275146	1.473	ppbv	#	84
52) Tetrachloroethene	11.40	164	10471711	105.654	ppbv		95
53) Toluene	9.96	91	973401	3.275	ppbv		100
58) Ethyl Benzene	12.88	91	239384	0.587	ppbv		95
59) m/p-Xylene	13.13	91	754453	2.078	ppbv		97
60) o-Xylene	13.86	91	256663	0.703	ppbv		97
62) Isopropylbenzene	14.83	105	35982	0.073	ppbv		98
64) n-propylbenzene	15.74	120	24726	0.191	ppbv		74
65) tert-Butylbenzene	16.94	119	29980	0.068	ppbv	#	20
67) sec-Butylbenzene	17.78	105	36161	0.057	ppbv		99
72) 4-Ethyltoluene	16.01	105	144547	0.361	ppbv		97
73) 1,3,5-Trimethylbenzene	16.17	105	121660	0.311	ppbv		96
74) 1,2,4-Trimethylbenzene	16.94	105	411109	0.982	ppbv	#	67

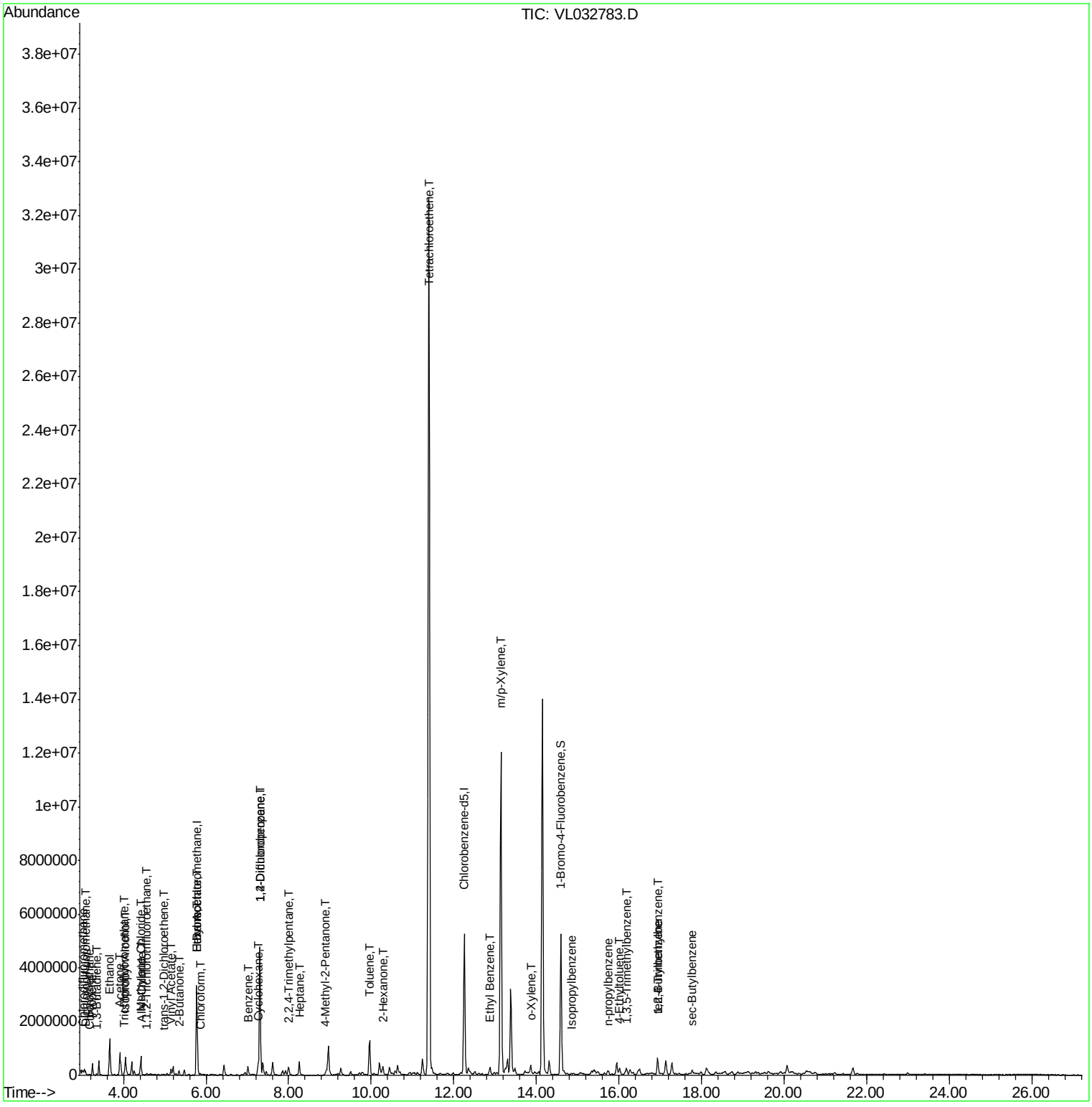
(#) = qualifier out of range (m) = manual integration (+) = signals summed

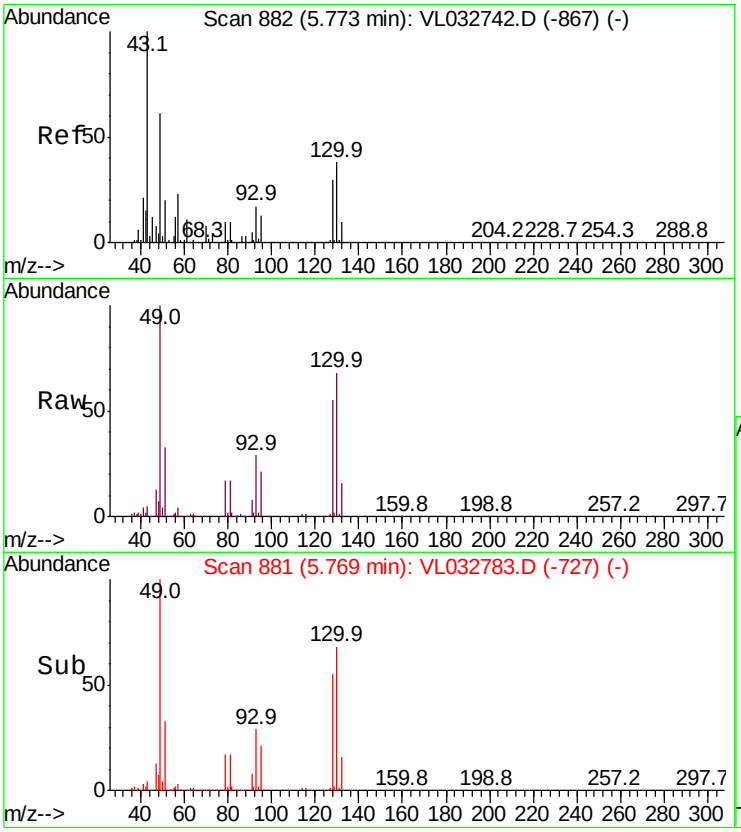
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112018\
Data File : VL032783.D
Acq On : 20 Nov 2018 18:07
Operator : SY/AP
Sample : J5961-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 21 04:06:44 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



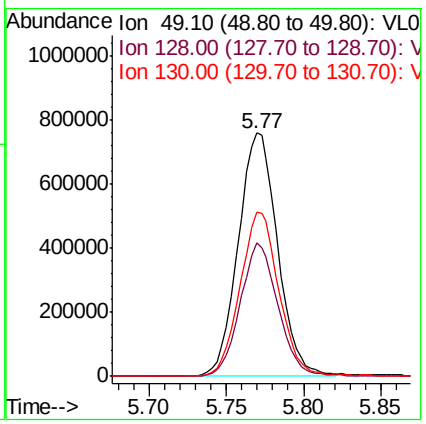


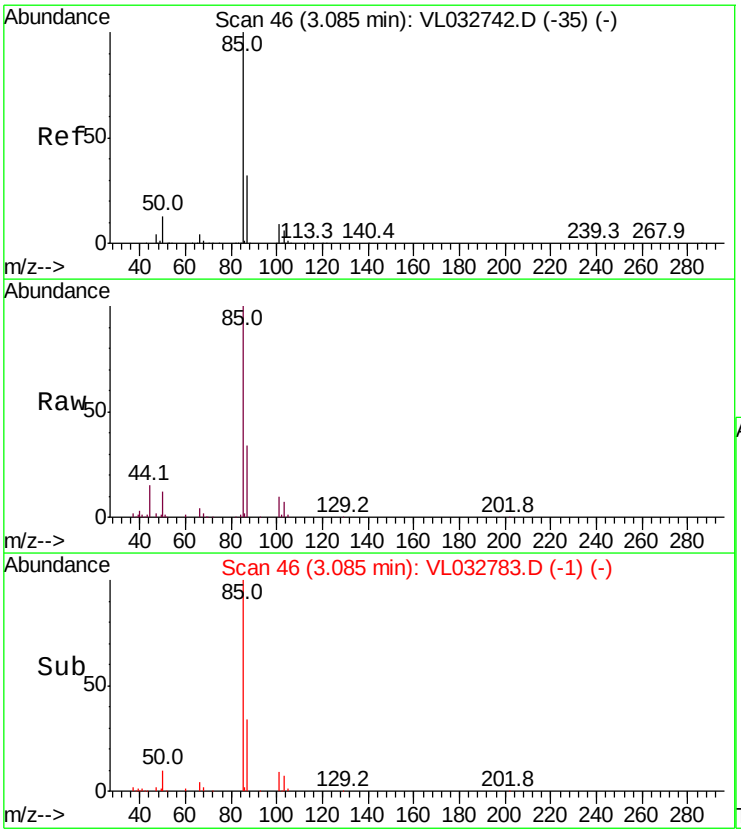
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1341639

Ion	Ratio	Lower	Upper
49	100		
128	52.9	24.9	74.6
130	67.1	31.4	94.2

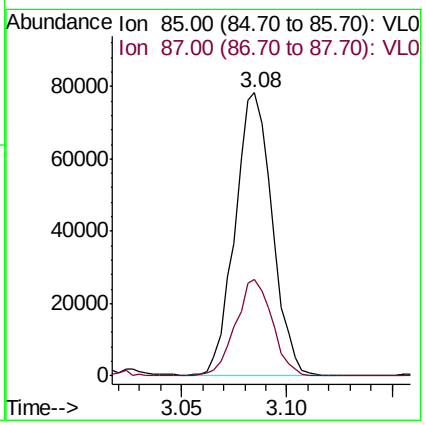


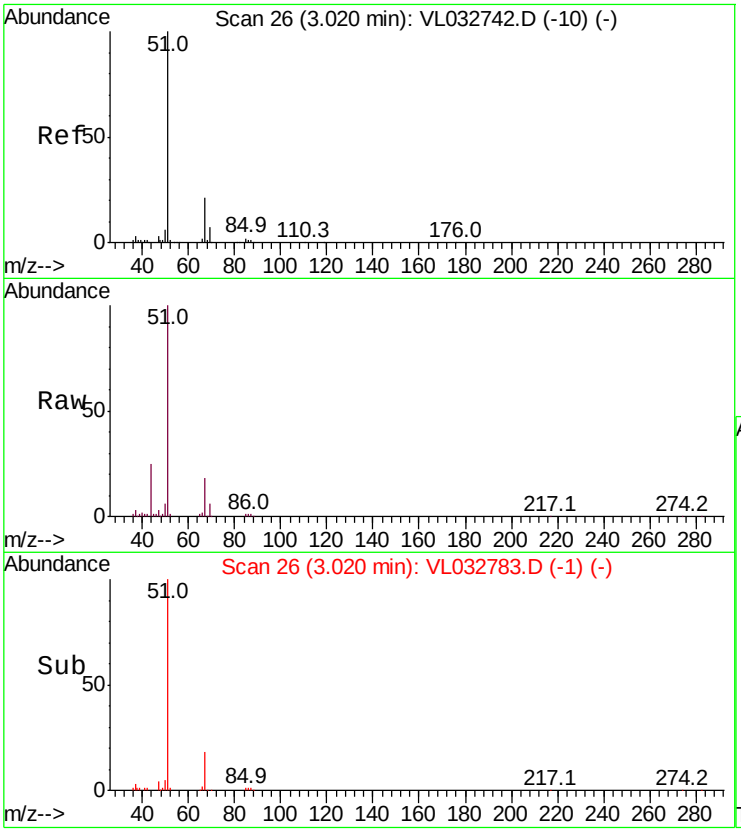


#2
Dichlorodifluoromethane
Concen: 0.499 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 85 Resp: 96165

Ion	Ratio	Lower	Upper
85	100		
87	34.2	26.0	39.0



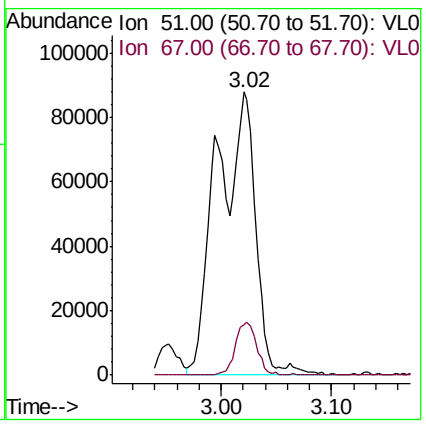


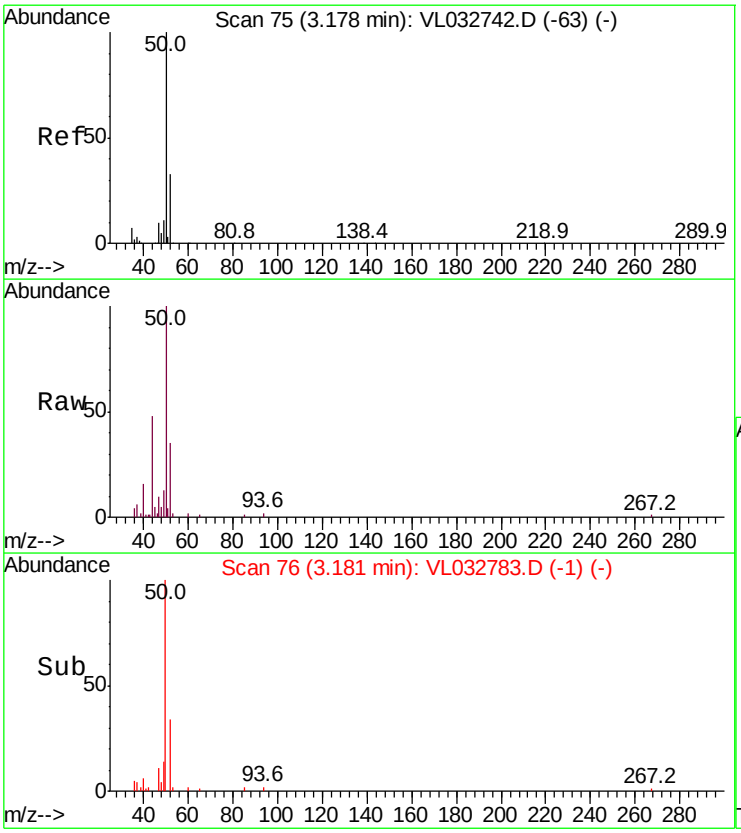
#3
Chlorodifluoromethane
Concen: 1.984 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 211023

Ion	Ratio	Lower	Upper
51	100		
67	10.3	16.1	24.1#

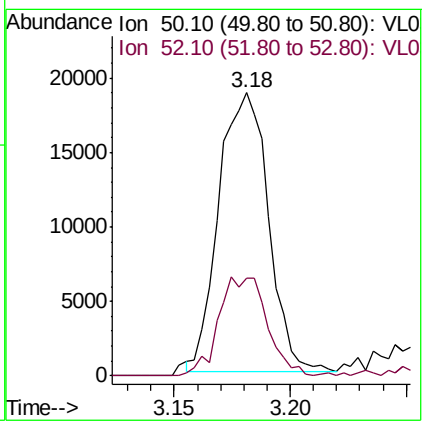


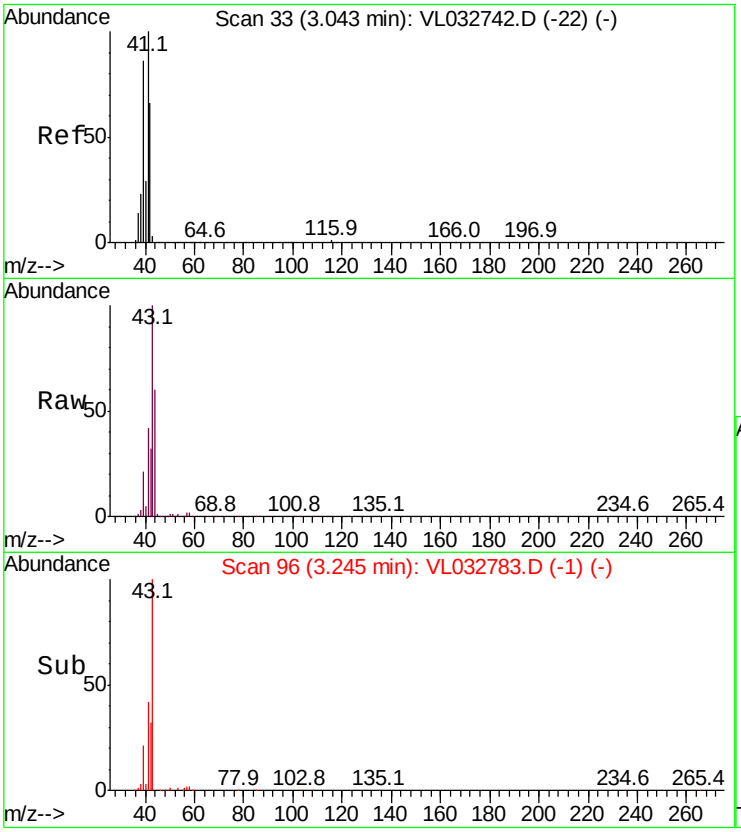


#4
Chloromethane
Concen: 0.470 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 50 Resp: 27694

Ion	Ratio	Lower	Upper
50	100		
52	35.1	26.6	40.0

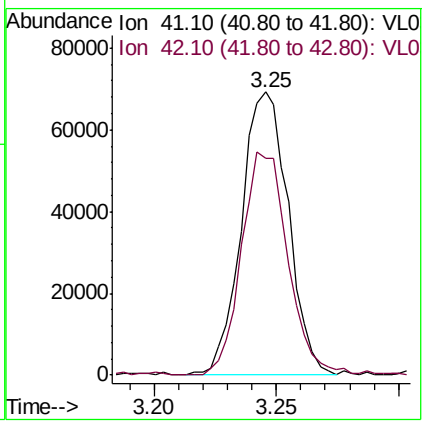




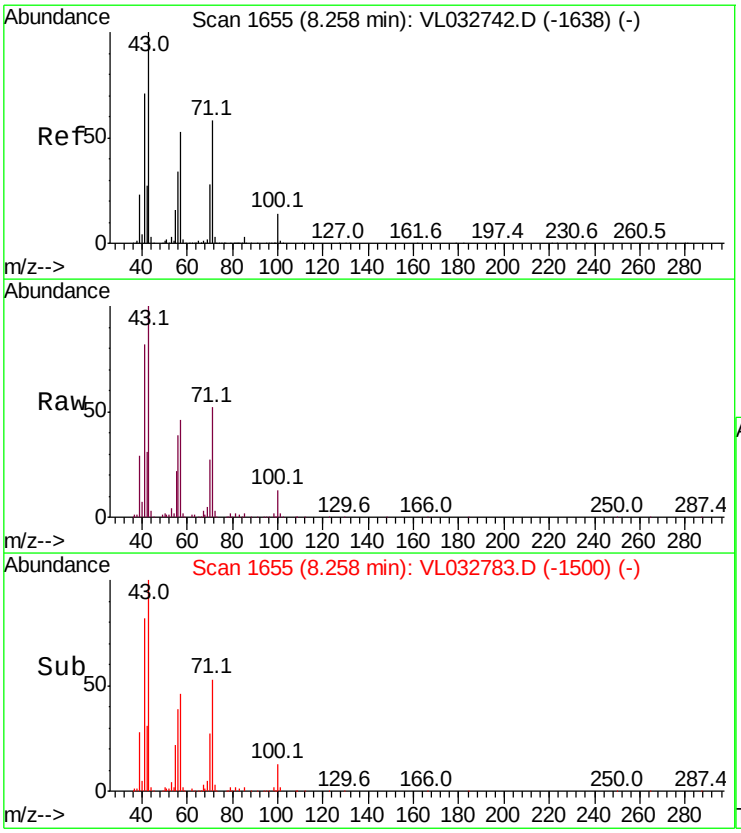
#9
Propene
Concen: 2.158 ppbv
RT: 3.25 min Scan# 96
Delta R.T. 0.20 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 41 Resp: 91861

Ion	Ratio	Lower	Upper
41	100		
42	80.0	55.0	82.6



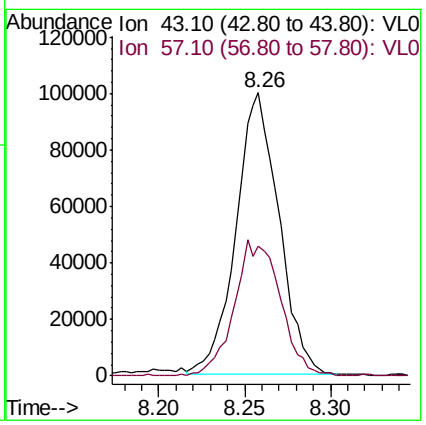
Instrument :
MSVOA_L
ClientSampleId :

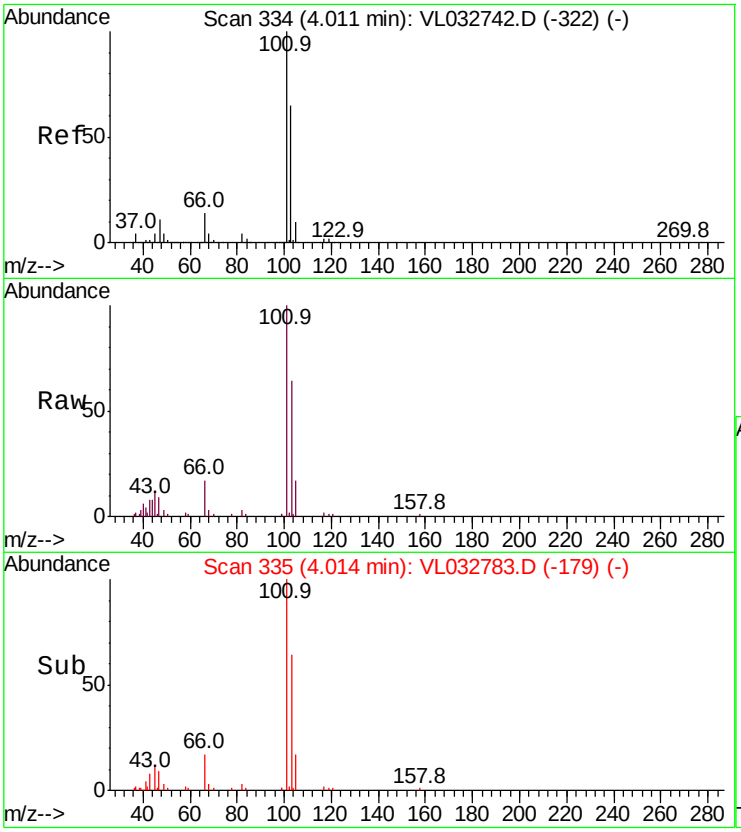


#10
Heptane
Concen: 1.064 ppbv
RT: 8.26 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 43 Resp: 172908

Ion	Ratio	Lower	Upper
43	100		
57	51.9	41.8	62.8



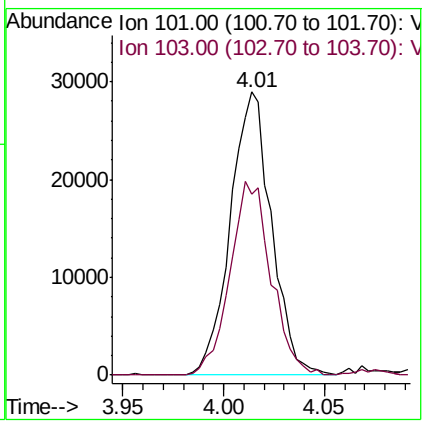


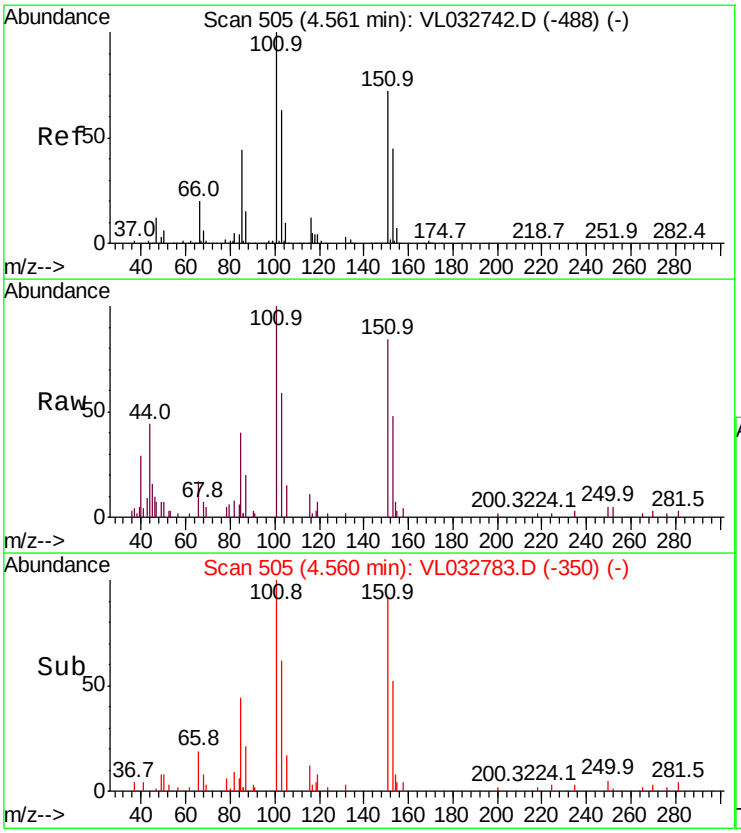
#11
Trichlorofluoromethane
Concen: 0.228 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 41430

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.6	77.4

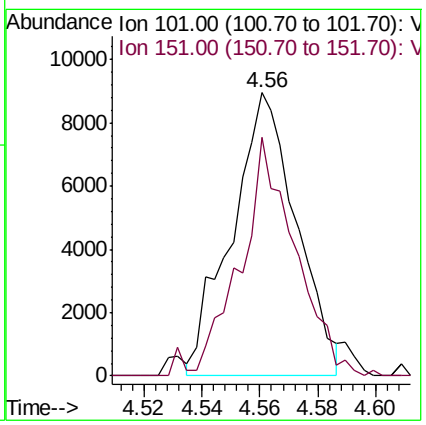


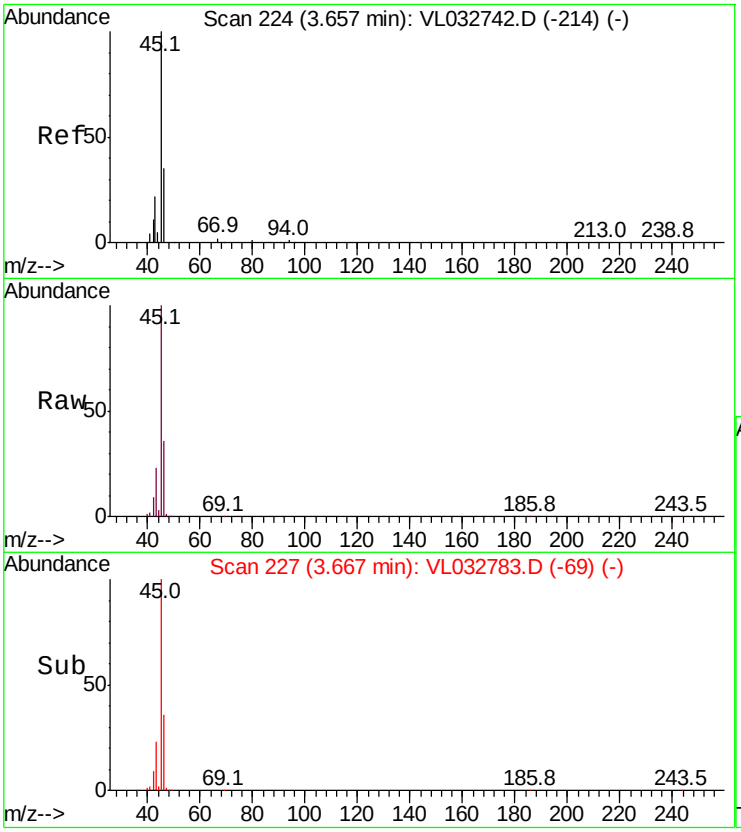


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.093 ppbv
RT: 4.56 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion:101 Resp: 13877

Ion	Ratio	Lower	Upper
101	100		
151	72.5	56.7	85.1



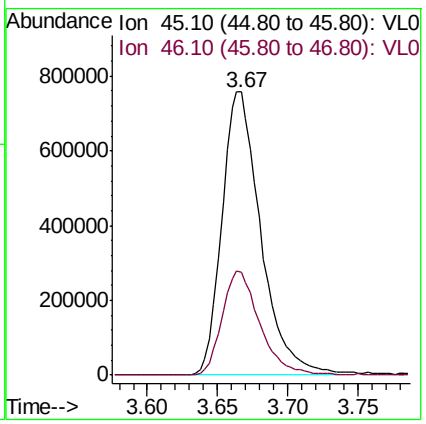


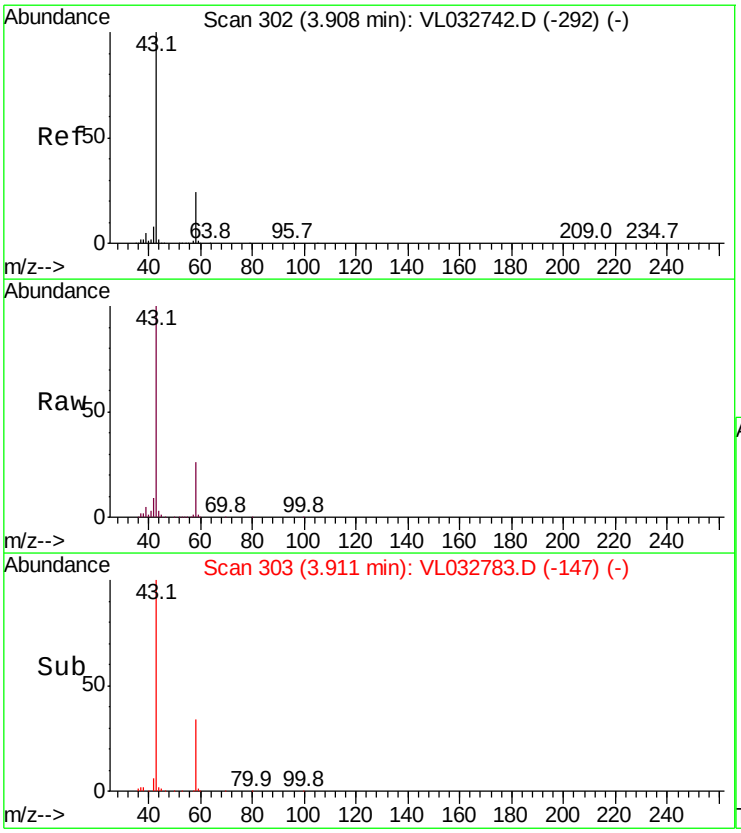
#13
Ethanol
Concen: 104.120 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1451649

Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.5	57.9

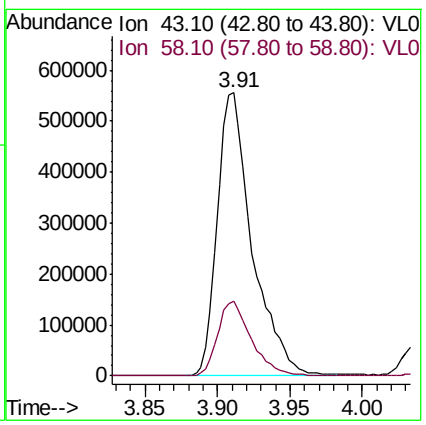


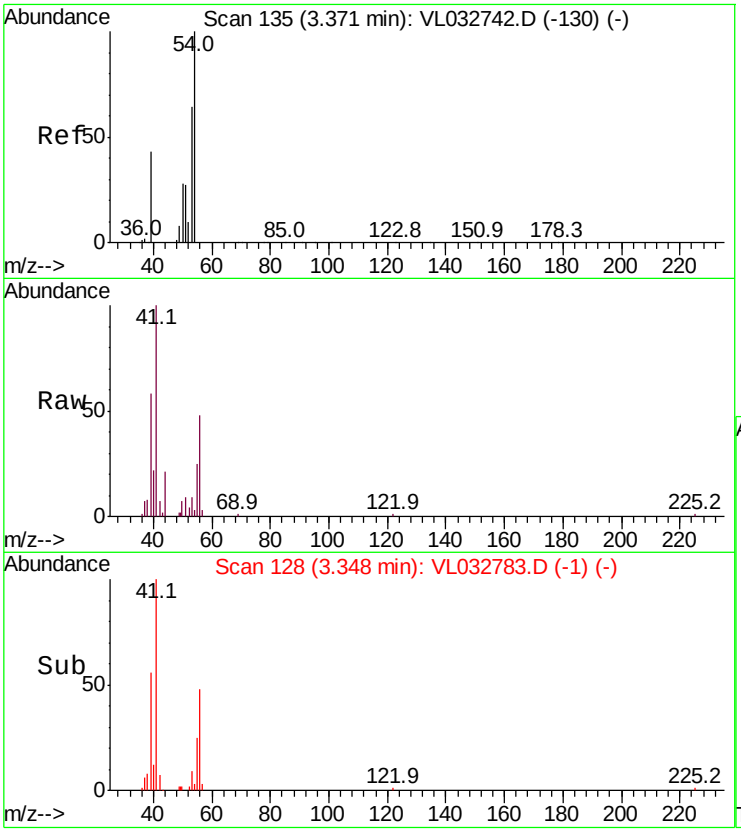


#15
Acetone
Concen: 7.538 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 43 Resp: 923569

Ion	Ratio	Lower	Upper
43	100		
58	25.7	21.1	31.7



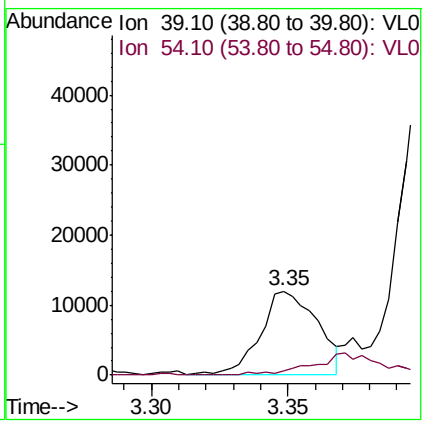


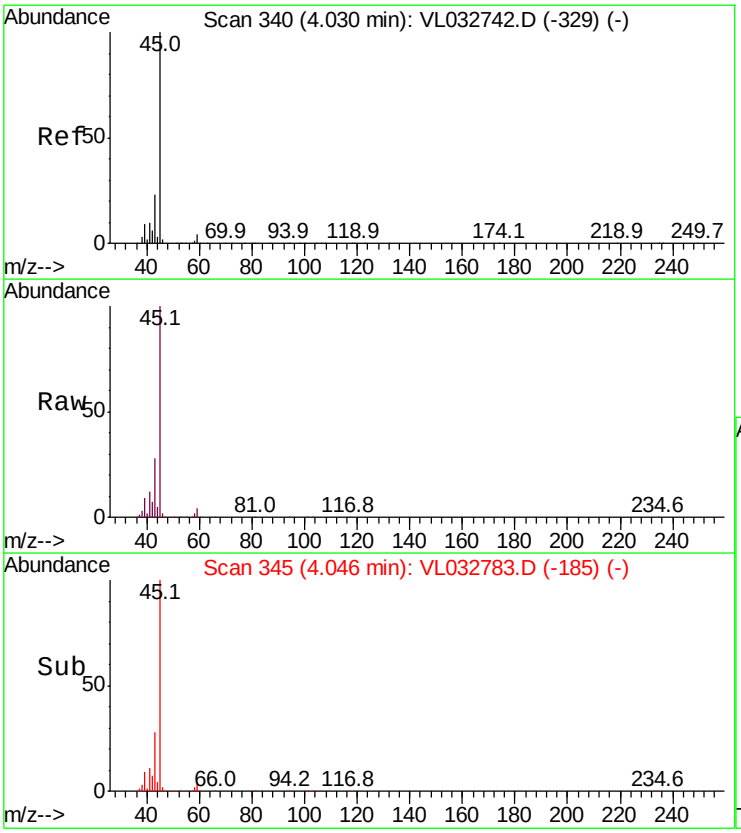
#16
1,3-Butadiene
Concen: 0.356 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 16913

Ion	Ratio	Lower	Upper
39	100		
54	38.1	68.9	103.3#

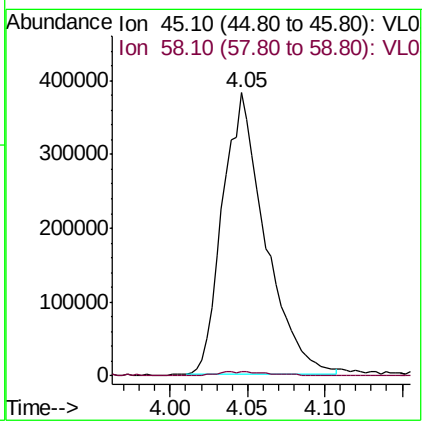


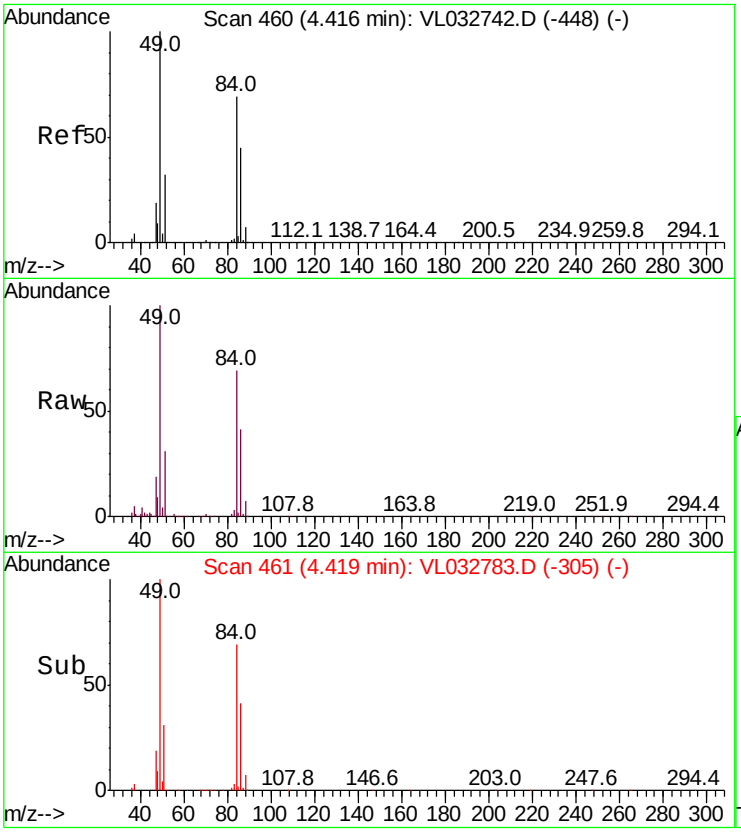


#19
Isopropyl Alcohol
Concen: 8.911 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.02 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 45 Resp: 727365

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.4	2.0#



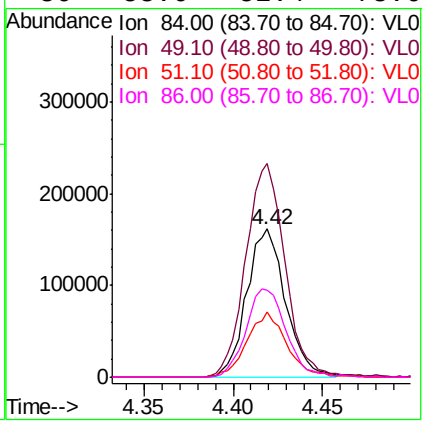


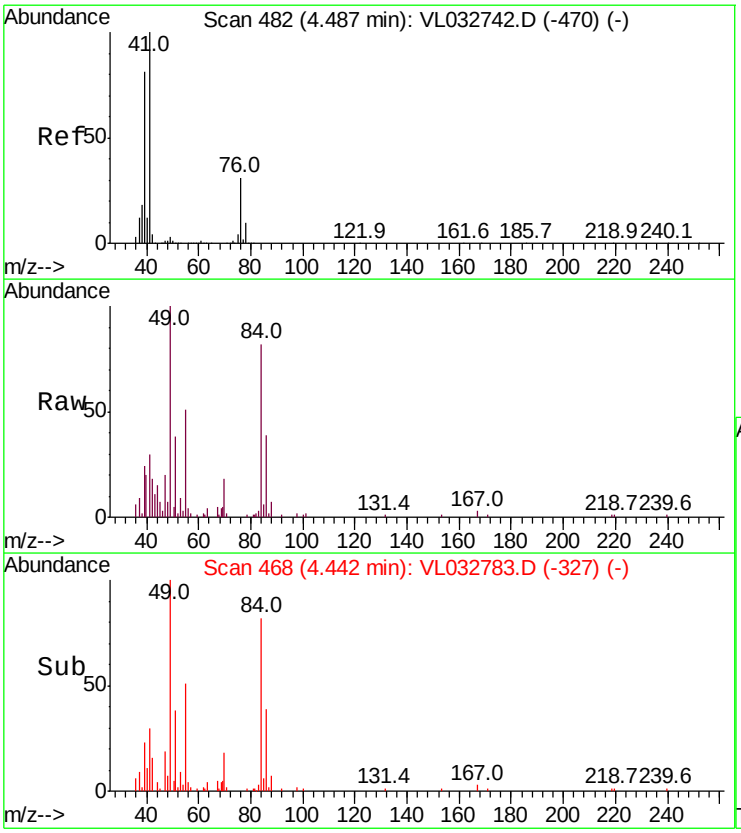
#20
Methylene Chloride
Concen: 3.883 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 246291

Ion	Ratio	Lower	Upper
84	100		
49	144.3	115.8	173.6
51	43.9	36.9	55.3
86	58.6	52.4	78.6

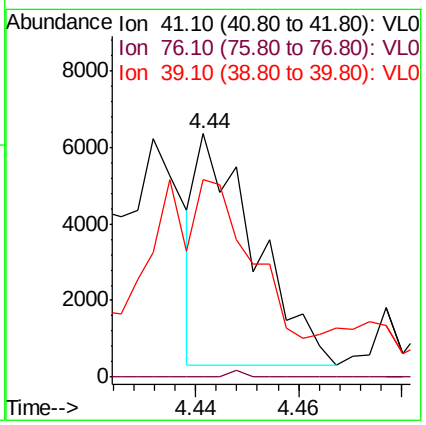


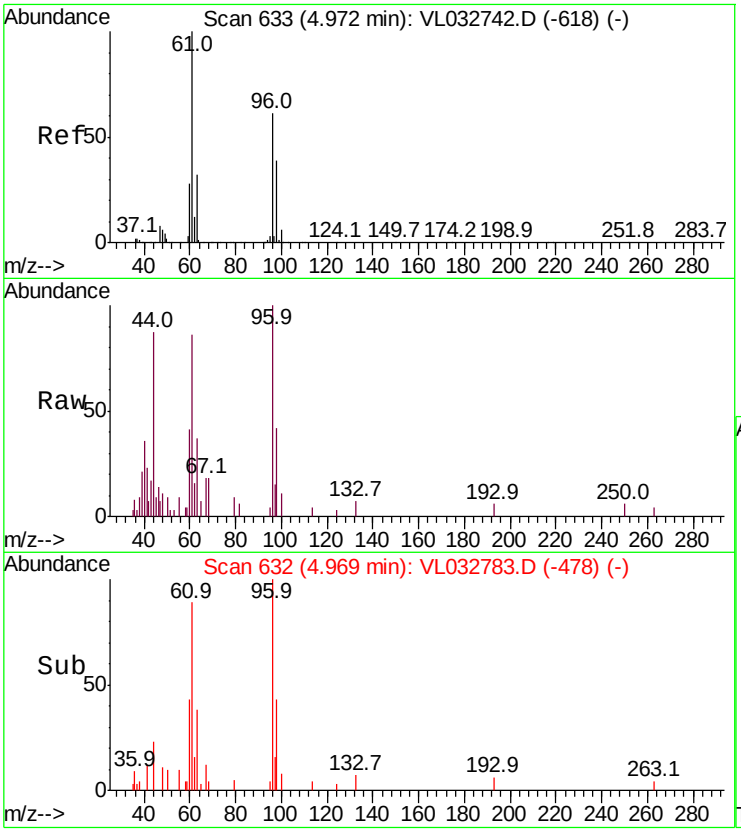


#21
Allyl Chloride
Concen: 0.046 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.05 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 41 Resp: 4753

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	155.9	63.5	95.3#



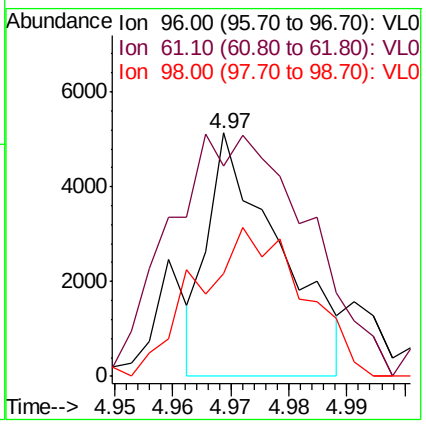


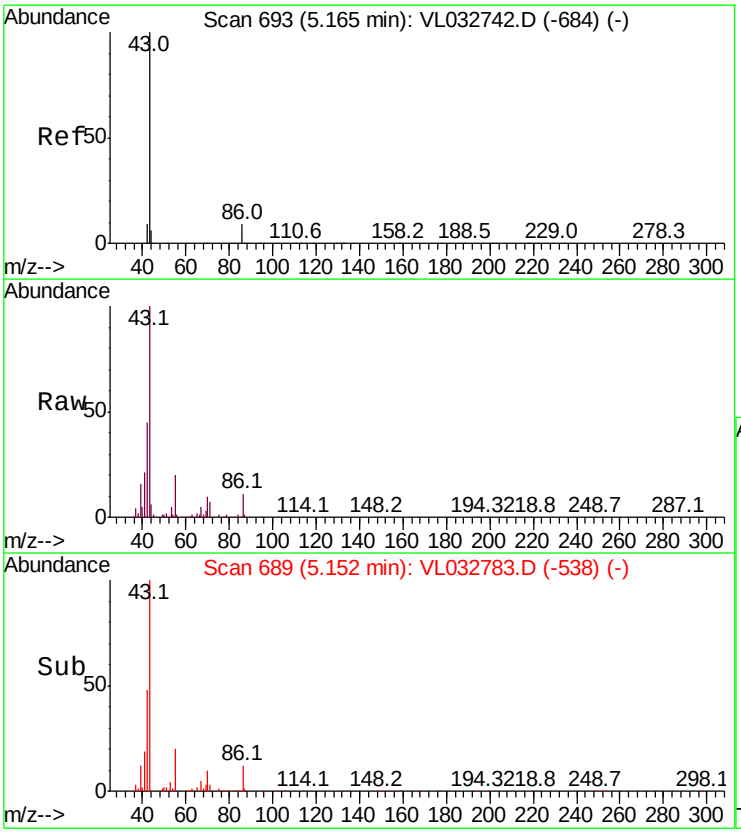
#22
trans-1,2-Dichloroethene
Concen: 0.062 ppbv
RT: 4.97 min Scan# 632
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 4426

Ion	Ratio	Lower	Upper
96	100		
61	69.0	130.2	195.2#
98	24.5	50.2	75.2#

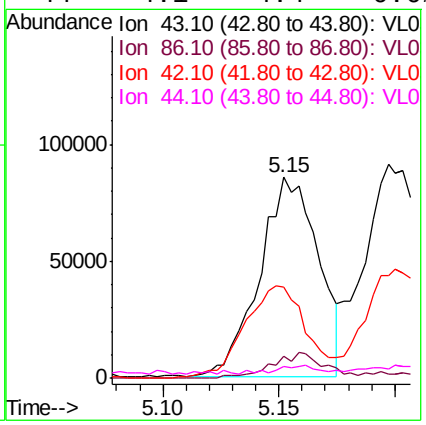


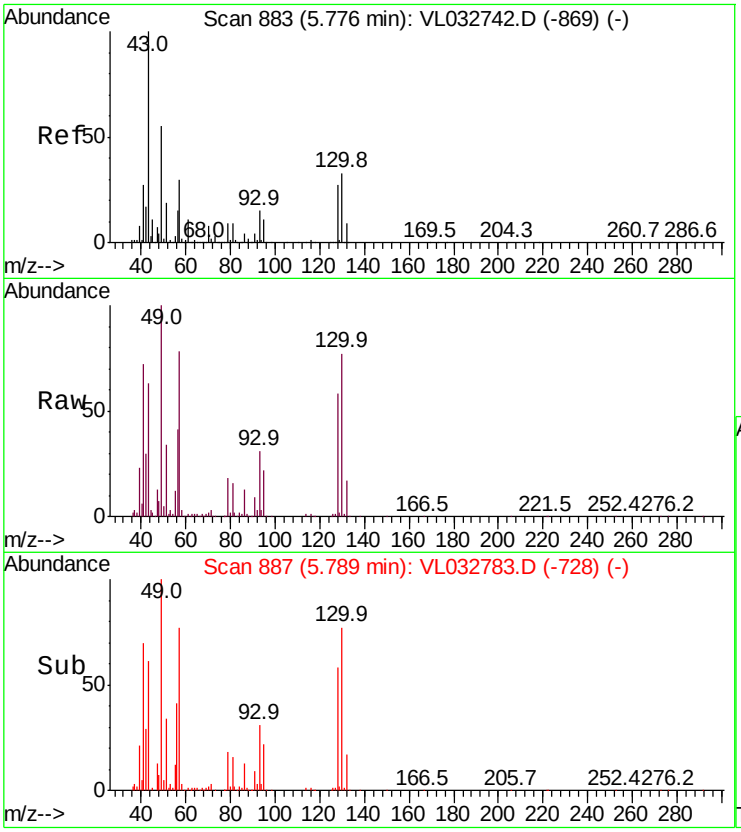


#23
Vinyl Acetate
Concen: 0.679 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 43 Resp: 151754

Ion	Ratio	Lower	Upper
43	100		
86	10.9	6.2	9.4#
42	44.4	7.8	11.6#
44	4.1	4.4	6.6#



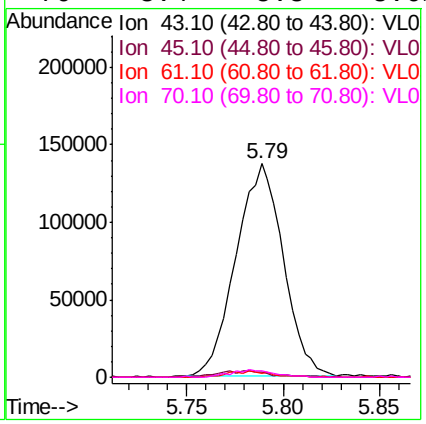


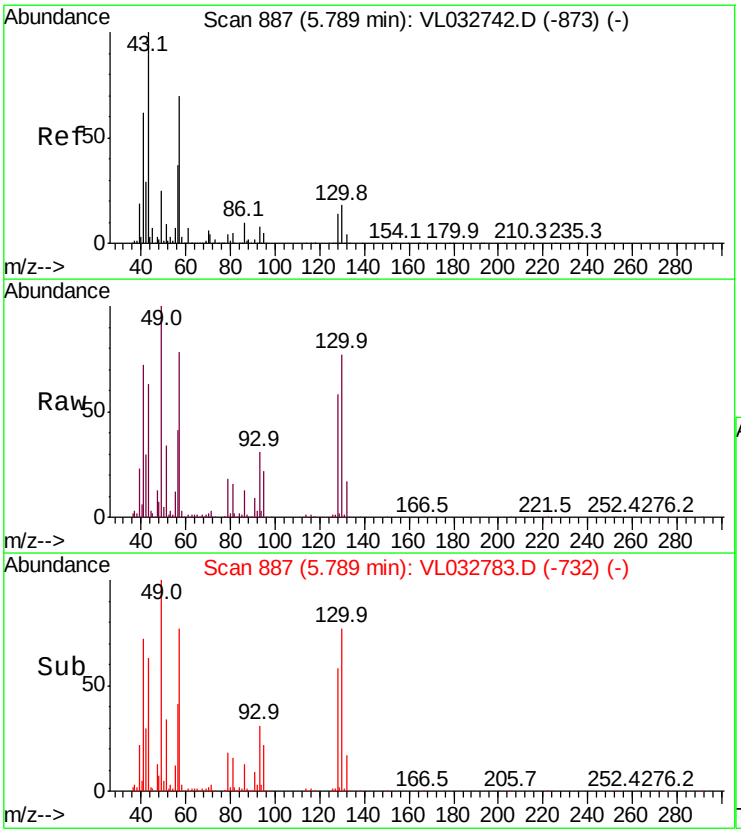
#25
Ethyl Acetate
Concen: 0.815 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 232735

Ion	Ratio	Lower	Upper
43	100		
45	3.7	7.9	11.9#
61	2.8	7.8	11.6#
70	3.4	5.8	8.6#

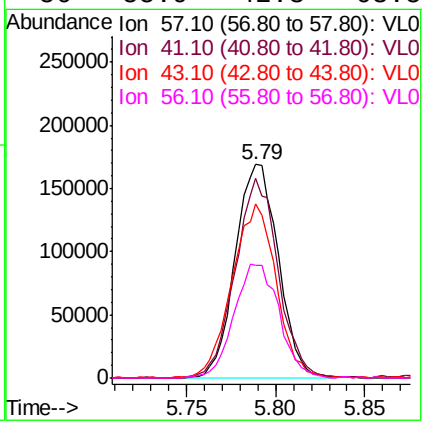


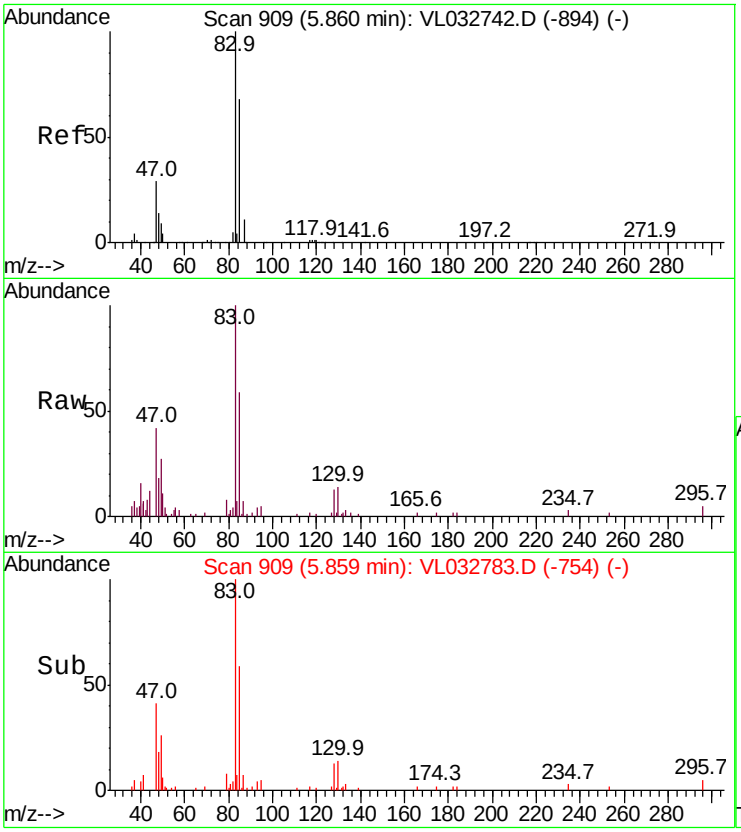


#26
Hexane
Concen: 2.241 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 57 Resp: 284818

Ion	Ratio	Lower	Upper
57	100		
41	93.1	70.3	105.5
43	82.9	174.0	261.0#
56	55.9	42.3	63.5



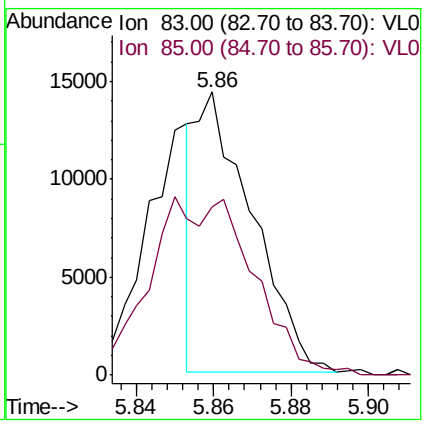


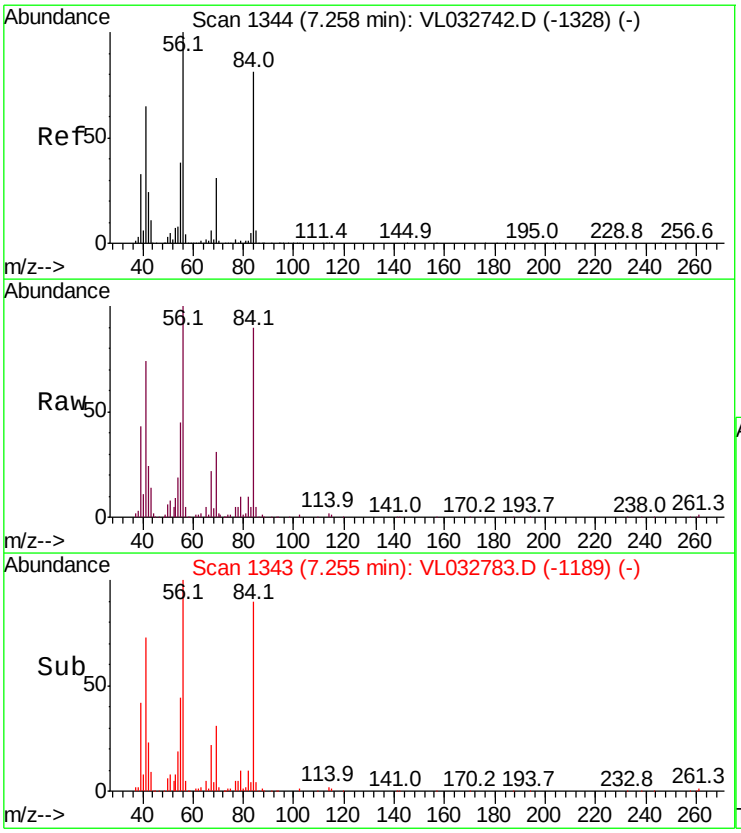
#29
Chloroform
Concen: 0.063 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 14383

Ion	Ratio	Lower	Upper
83	100		
85	58.3	54.2	81.4

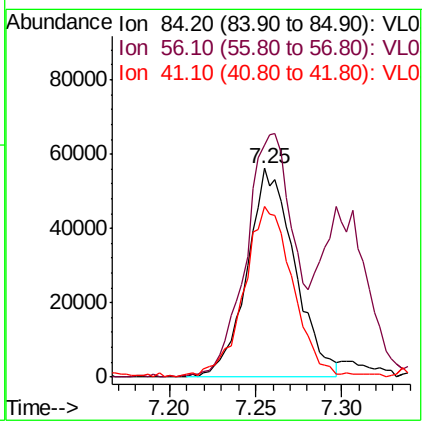


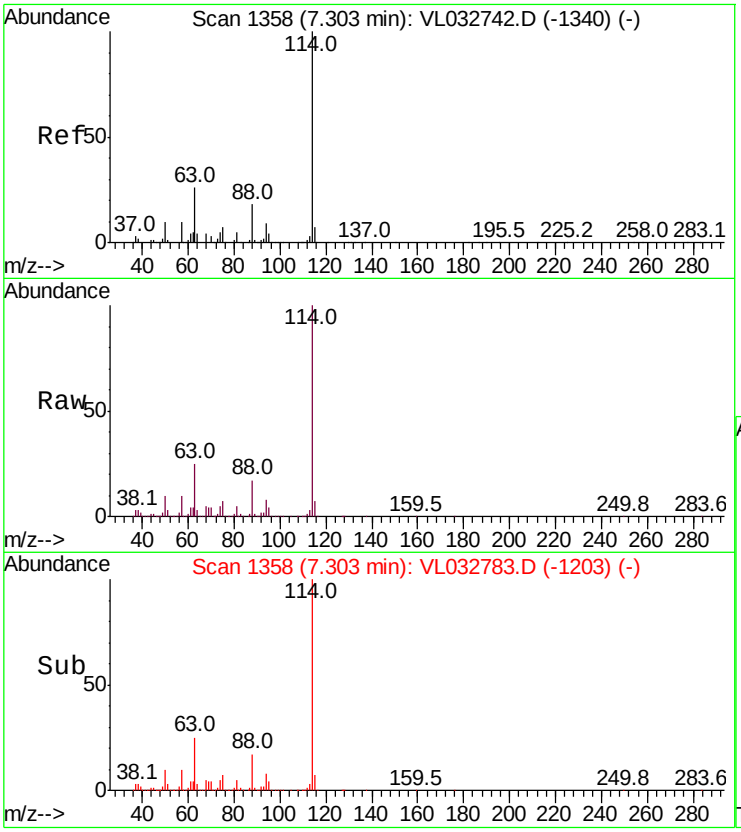


#30
Cyclohexane
Concen: 0.966 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 84 Resp: 107371

Ion	Ratio	Lower	Upper
84	100		
56	123.0	105.0	157.4
41	83.8	65.3	97.9



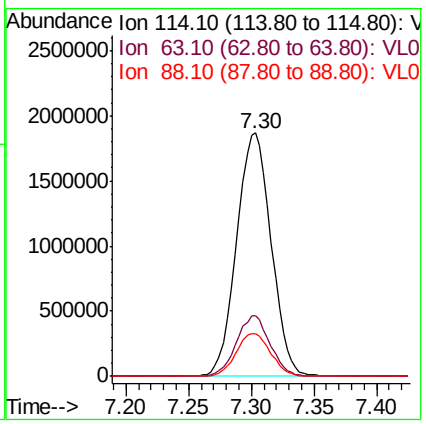


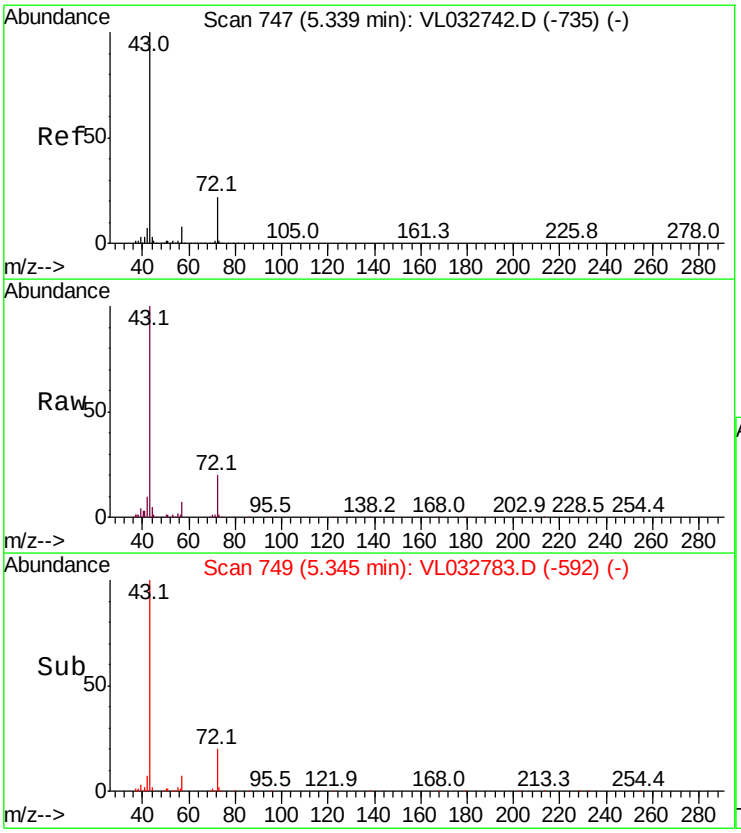
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3577945

Ion	Ratio	Lower	Upper
114	100		
63	24.3	20.9	31.3
88	17.7	14.4	21.6

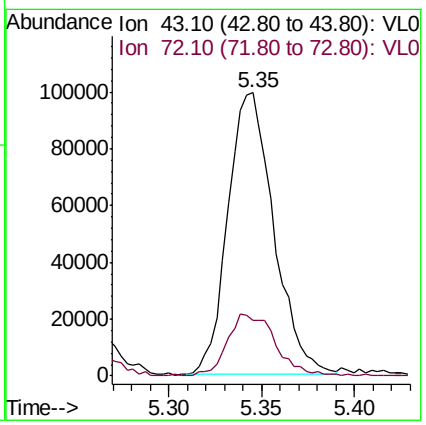


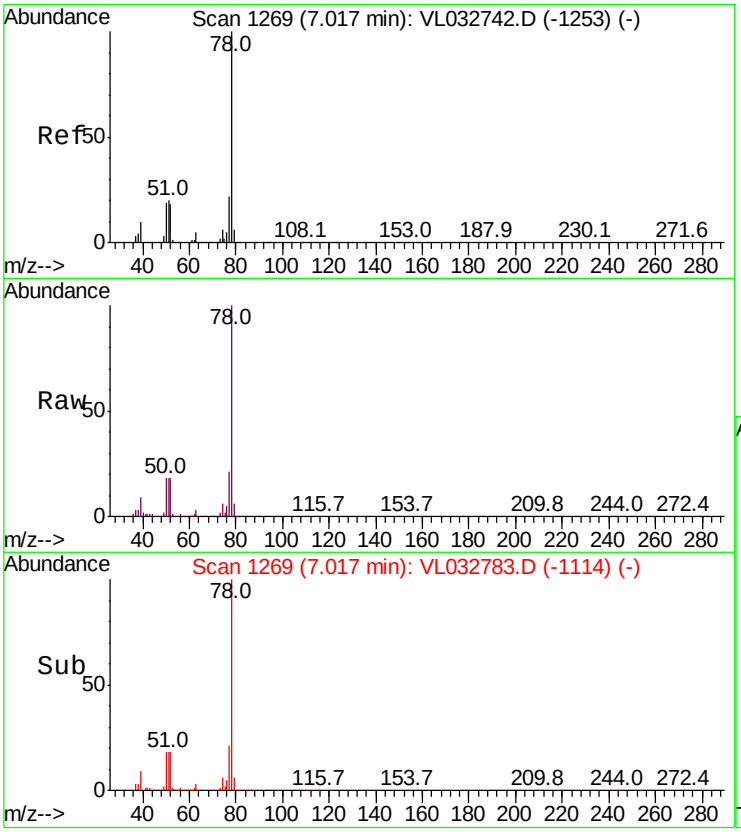


#34
2-Butanone
Concen: 0.921 ppbv
RT: 5.35 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 43 Resp: 170855

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6



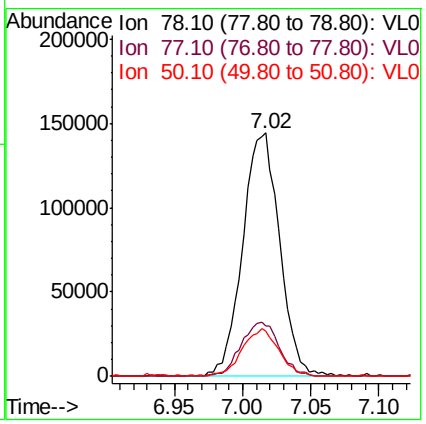


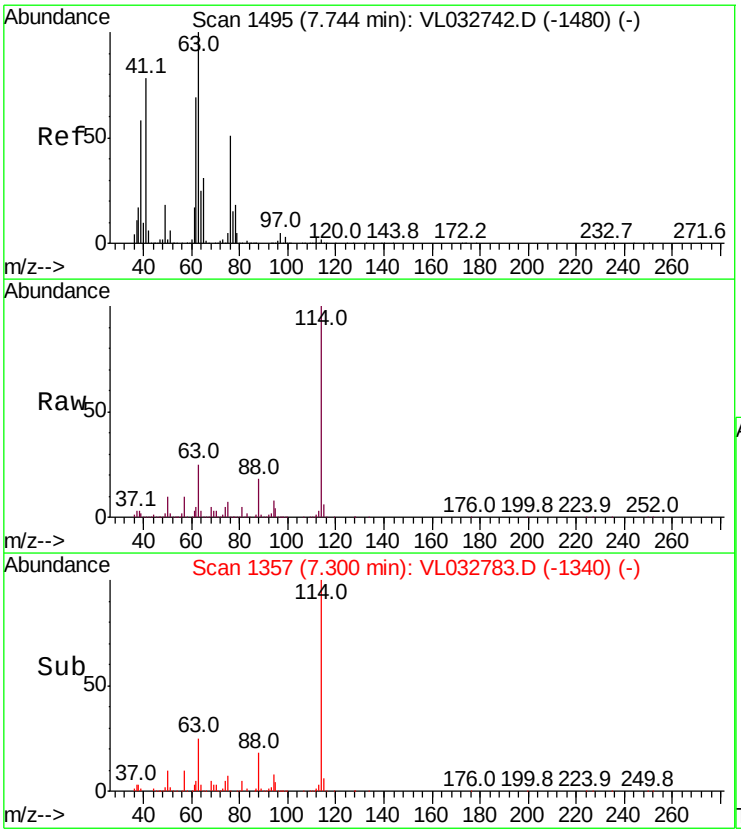
#36
Benzene
Concen: 0.955 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 272040

Ion	Ratio	Lower	Upper
78	100		
77	20.4	17.8	26.8
50	18.2	15.4	23.0

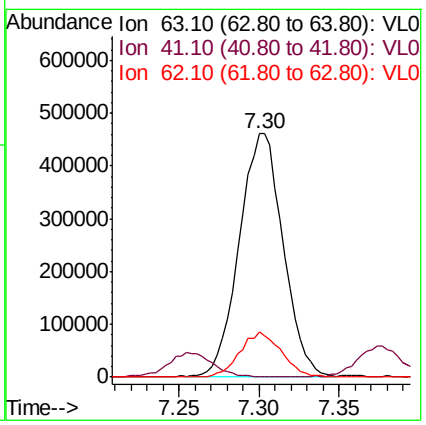


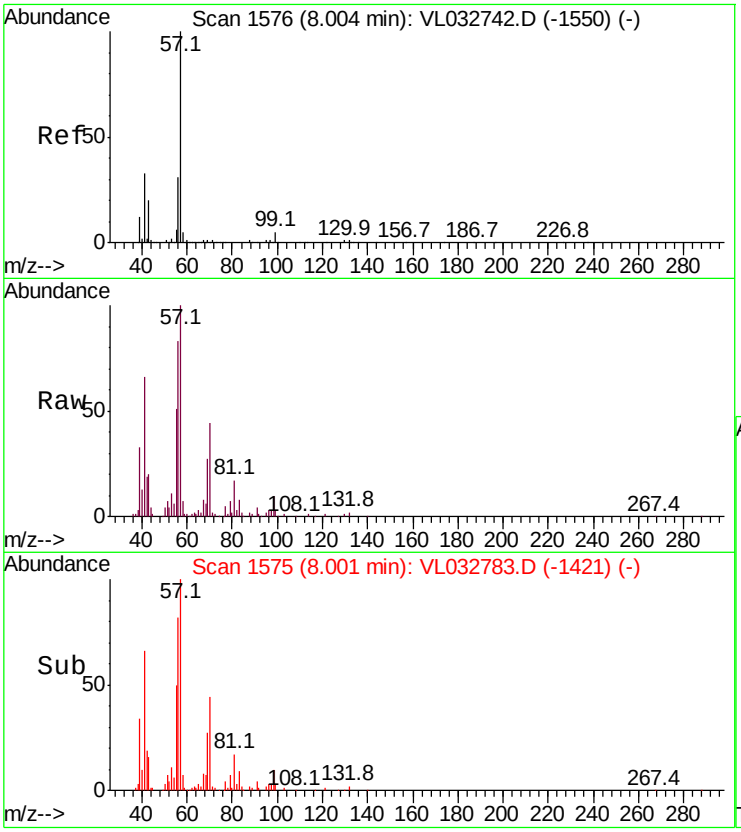


#39
1,2-Dichloropropane
Concen: 7.882 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.44 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 63 Resp: 855611

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.0	93.0#
62	18.5	55.4	83.2#



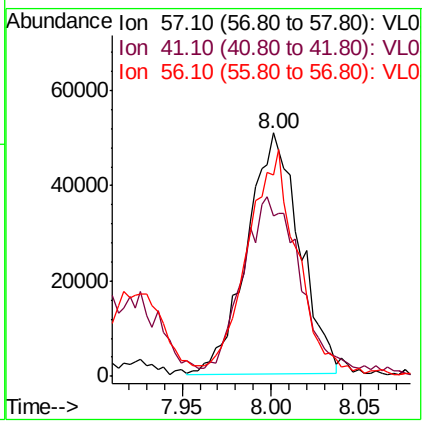


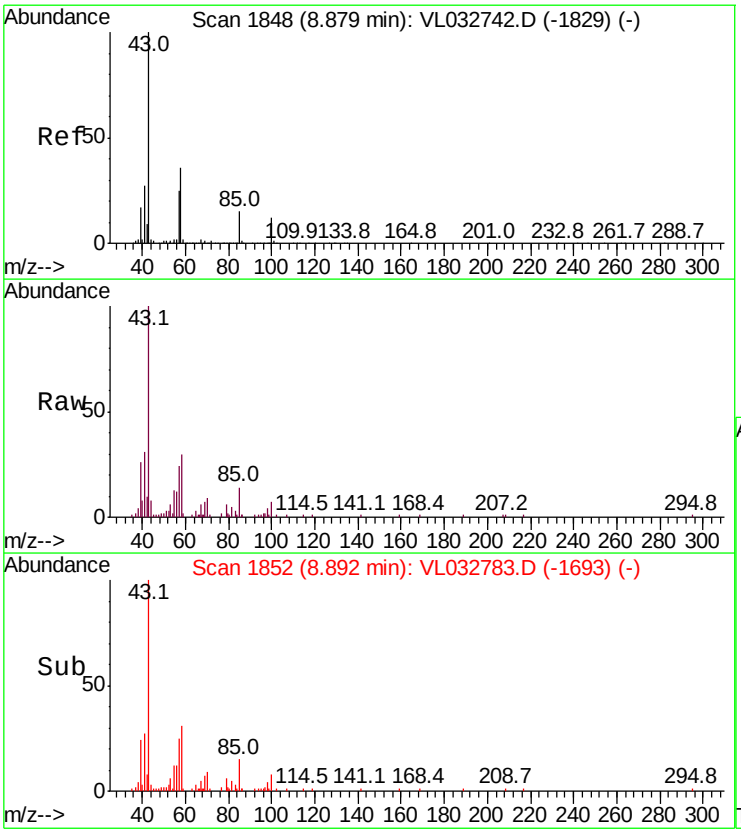
#44
2,2,4-Trimethylpentane
Concen: 0.219 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 104404

Ion	Ratio	Lower	Upper
57	100		
41	83.4	26.6	39.8#
56	90.3	24.8	37.2#

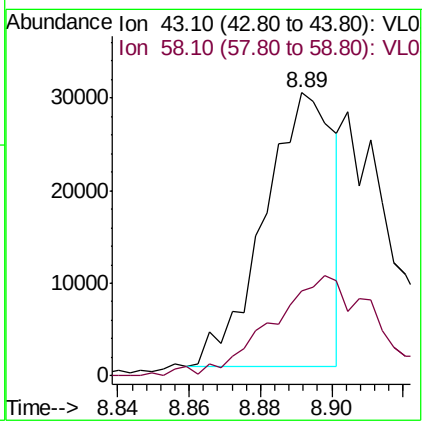


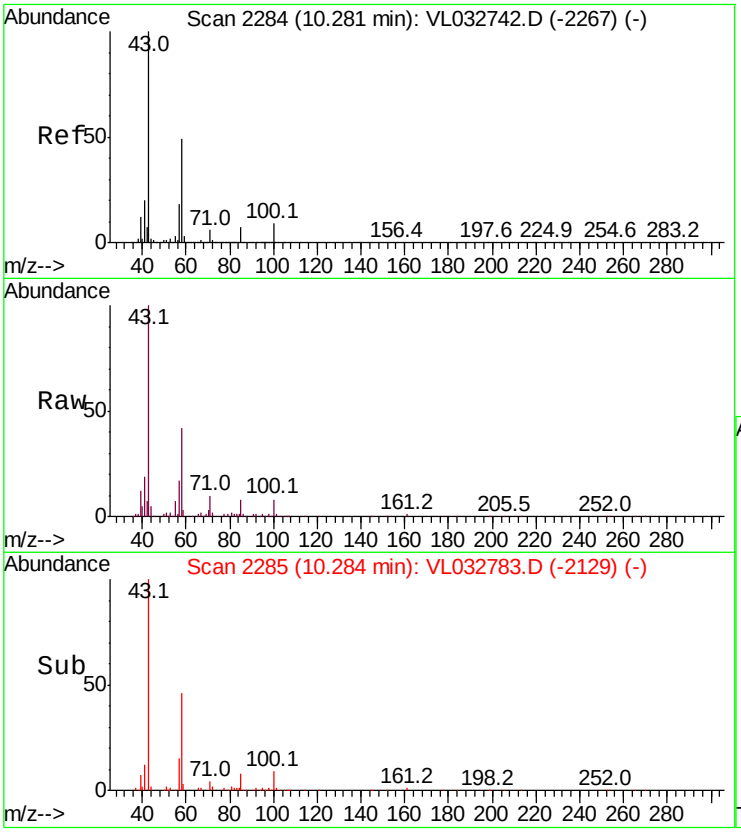


#50
4-Methyl-2-Pentanone
Concen: 0.138 ppbv
RT: 8.89 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 43 Resp: 39973

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.8	43.2#



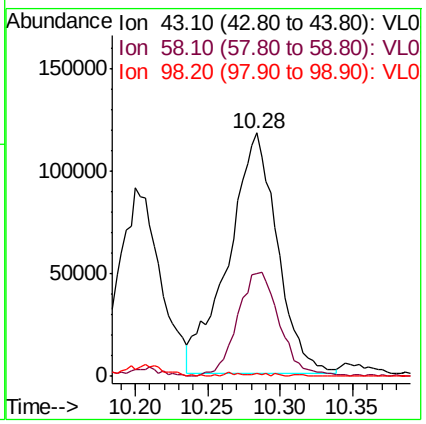


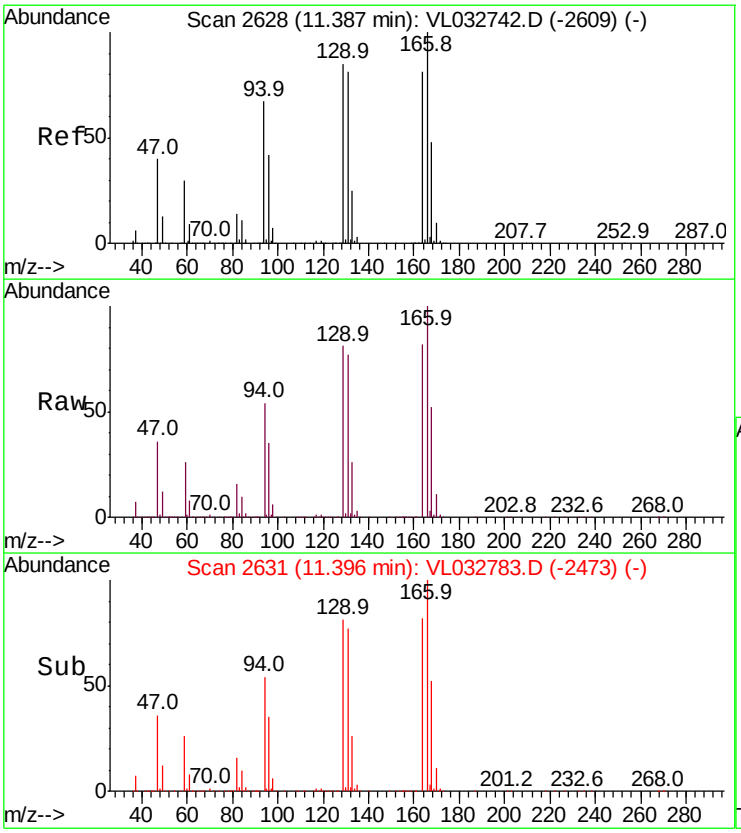
#51
2-Hexanone
Concen: 1.473 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 275146

Ion	Ratio	Lower	Upper
43	100		
58	37.4	38.9	58.3#
98	1.3	0.2	0.4#

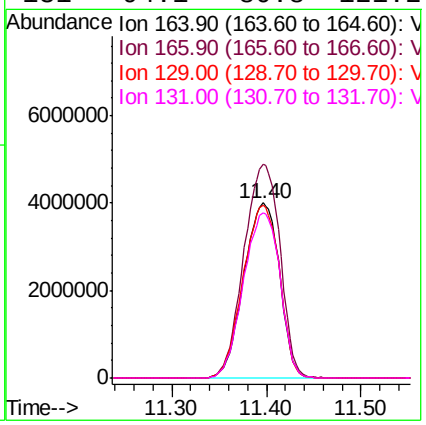


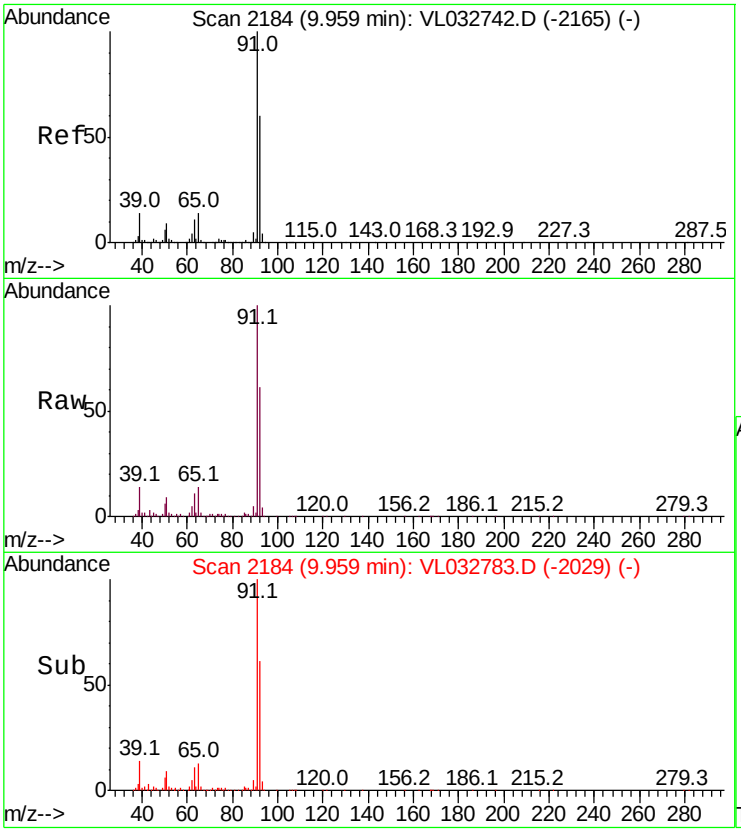


#52
Tetrachloroethene
Concen: 105.654 ppbv
RT: 11.40 min Scan# 2631
Delta R.T. 0.01 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion:164 Resp:10471711

Ion	Ratio	Lower	Upper
164	100		
166	122.0	99.3	148.9
129	98.8	83.9	125.9
131	94.1	80.8	121.2



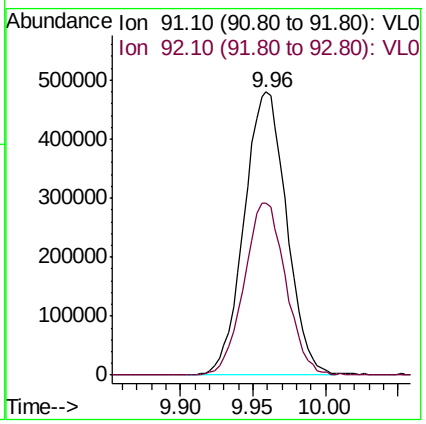


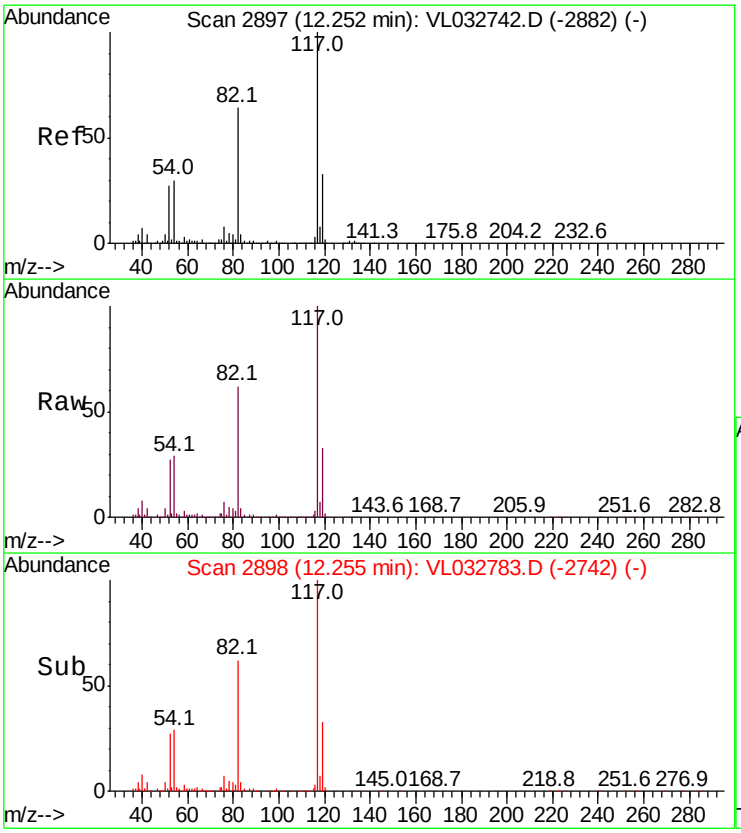
#53
Toluene
Concen: 3.275 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 973401

Ion	Ratio	Lower	Upper
91	100		
92	60.3	47.9	71.9

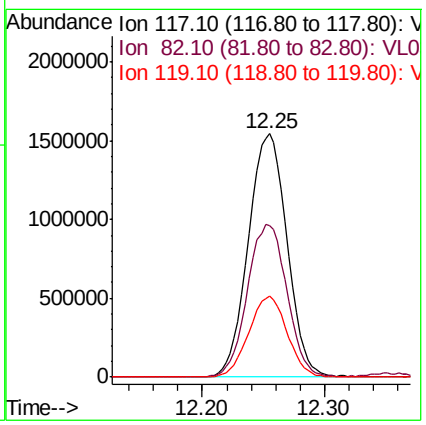


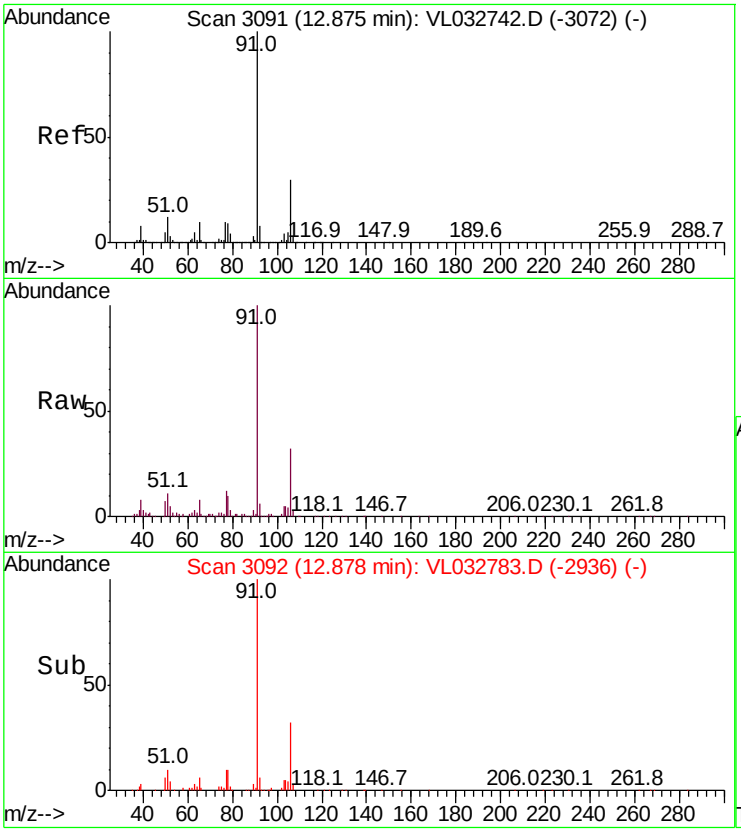


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion:117 Resp: 3388050

Ion	Ratio	Lower	Upper
117	100		
82	64.1	51.0	76.6
119	33.0	28.0	42.0



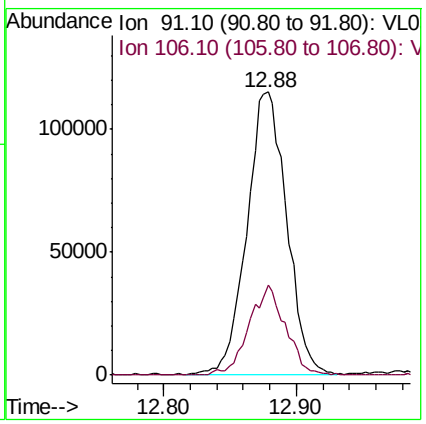


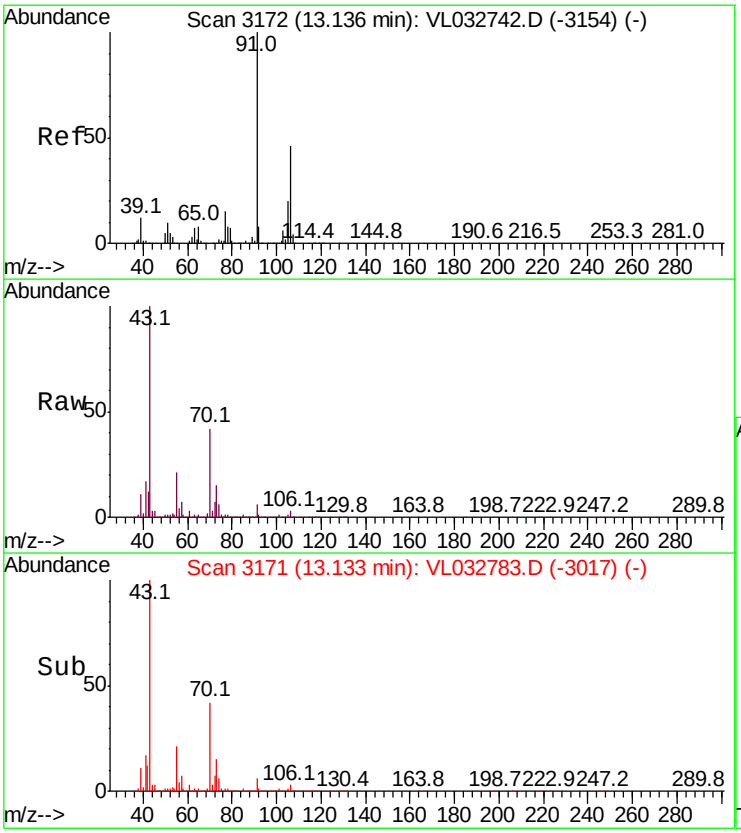
#58
Ethyl Benzene
Concen: 0.587 ppbv
RT: 12.88 min Scan# 3092
Delta R.T. 0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 239384

Ion	Ratio	Lower	Upper
91	100		
106	32.0	23.6	35.4

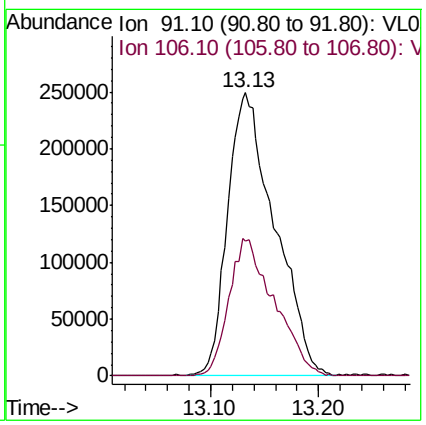


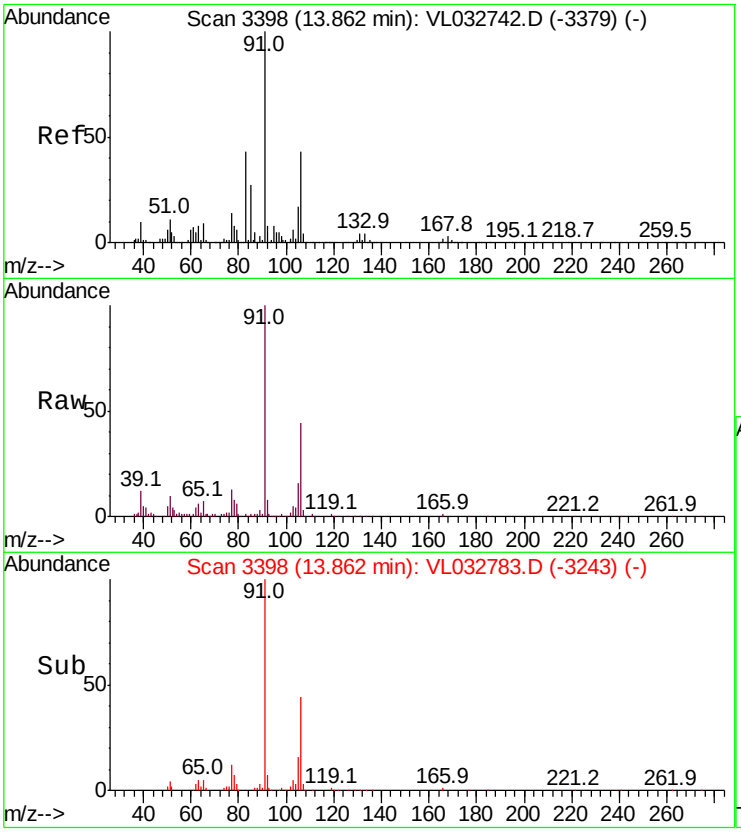


#59
m/p-Xylene
Concen: 2.078 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 91 Resp: 754453

Ion	Ratio	Lower	Upper
91	100		
106	47.0	36.1	54.1



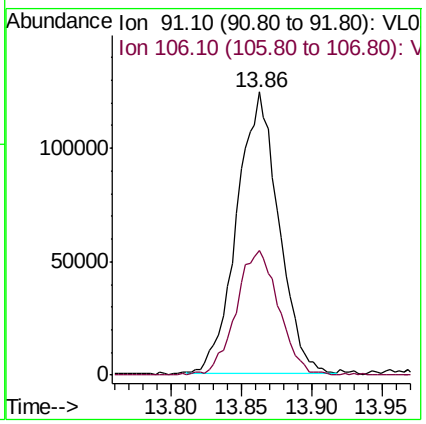


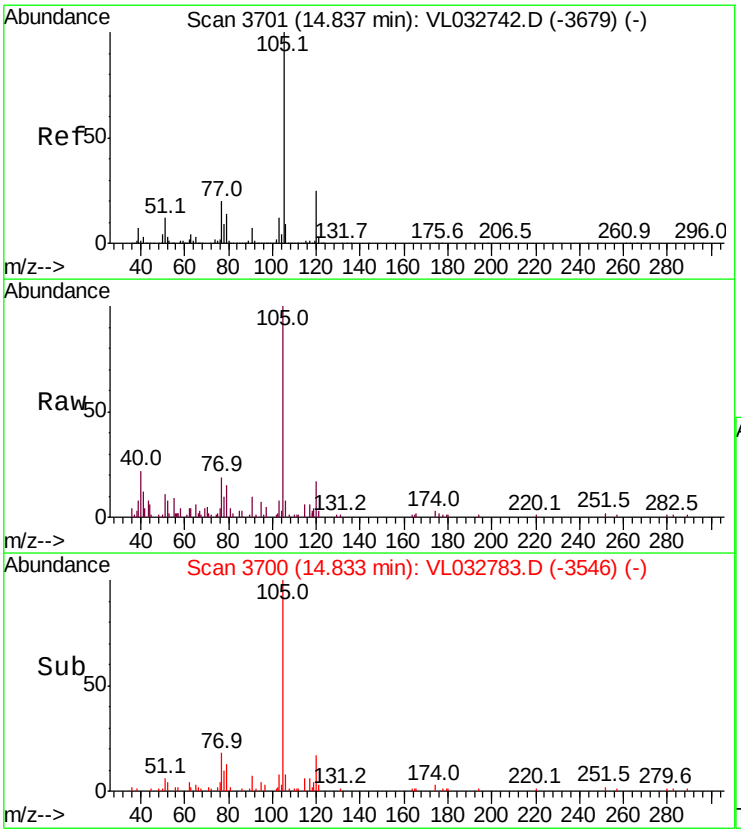
#60
o-Xylene
Concen: 0.703 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 256663

Ion	Ratio	Lower	Upper
91	100		
106	45.6	21.9	65.7

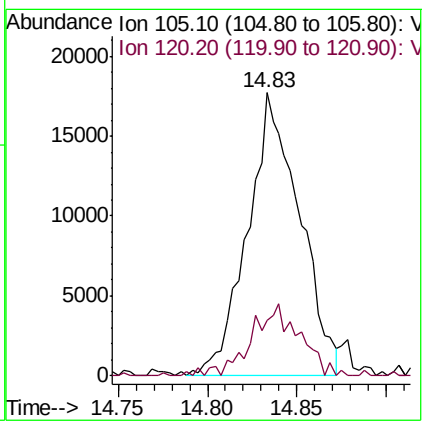


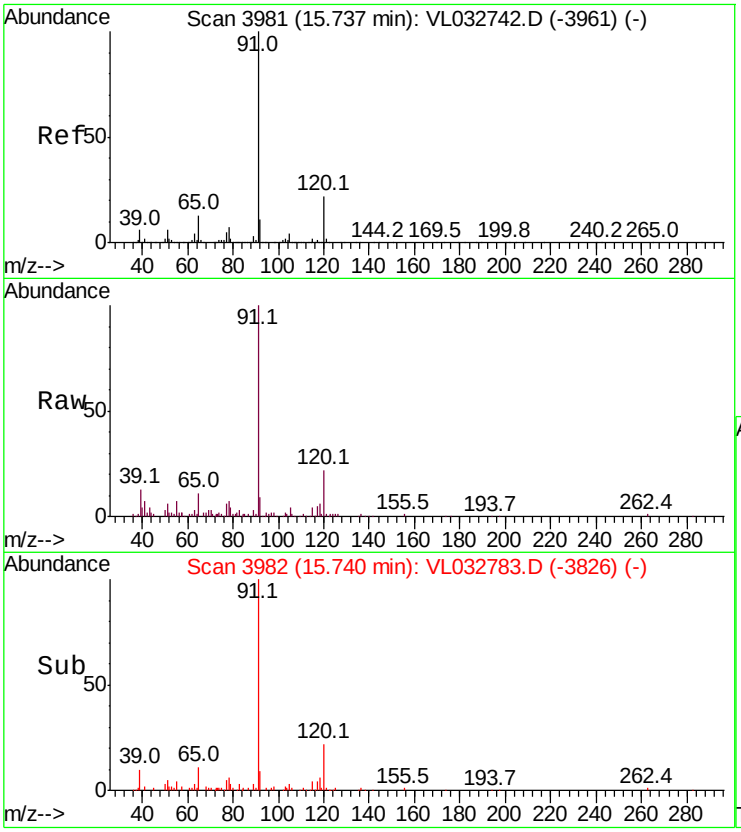


#62
Isopropylbenzene
Concen: 0.073 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion:105 Resp: 35982

Ion	Ratio	Lower	Upper
105	100		
120	24.0	20.1	30.1



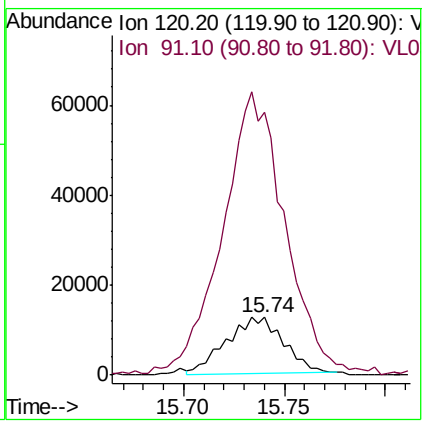


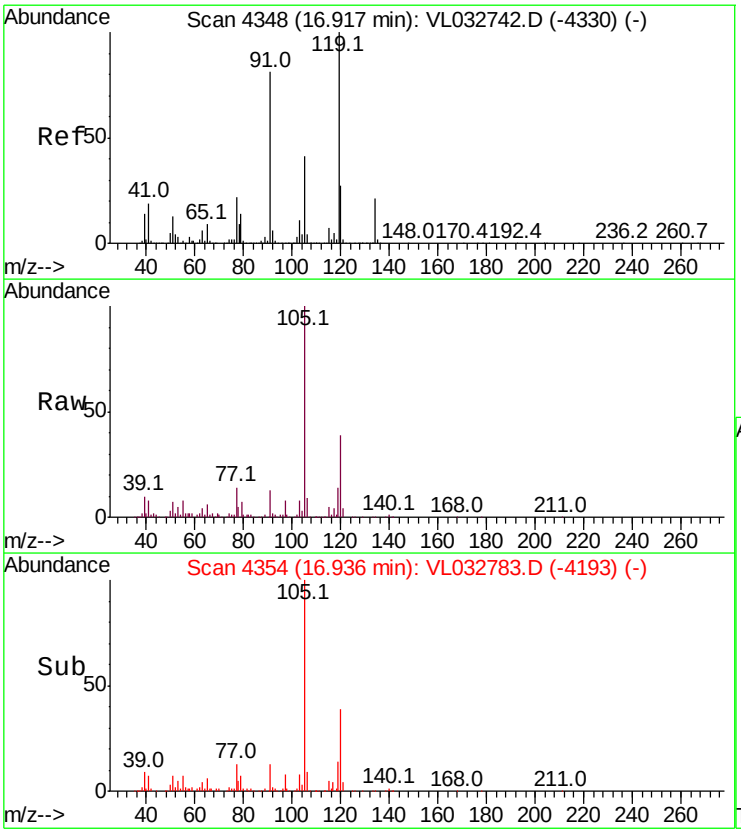
#64
n-propylbenzene
Concen: 0.191 ppbv
RT: 15.74 min Scan# 3982
Delta R.T. 0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 24726

Ion	Ratio	Lower	Upper
120	100		
91	545.2	381.7	572.5

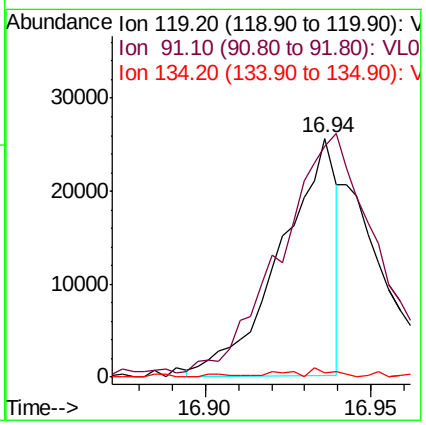


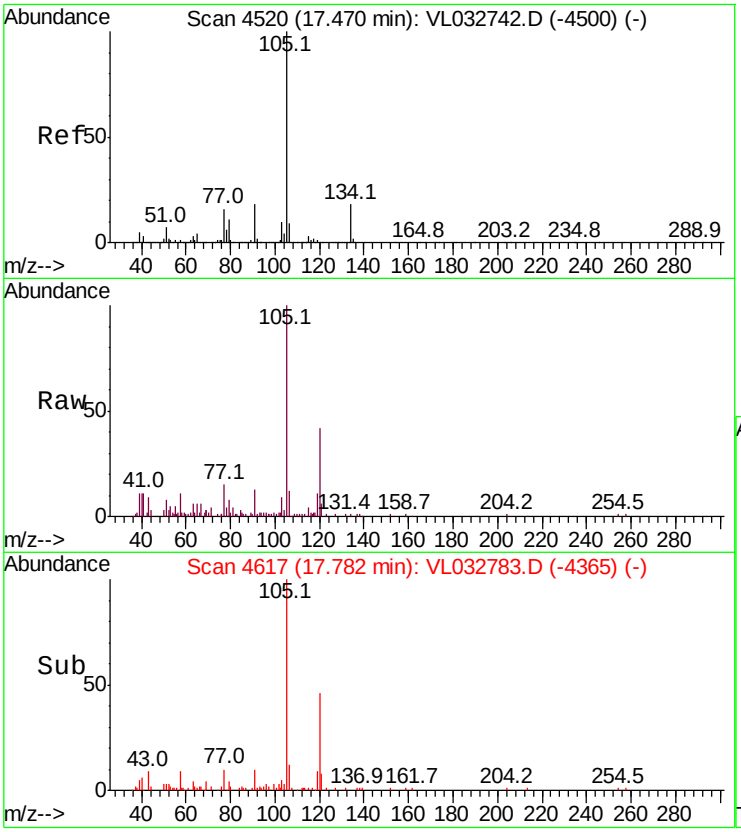


#65
tert-Butylbenzene
Concen: 0.068 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. 0.02 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion:119 Resp: 29980

Ion	Ratio	Lower	Upper
119	100		
91	0.0	65.6	98.4#
134	4.5	15.9	23.9#



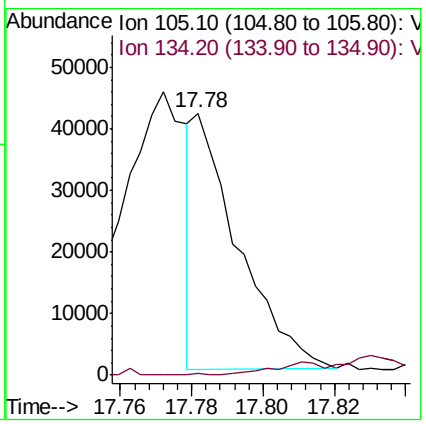


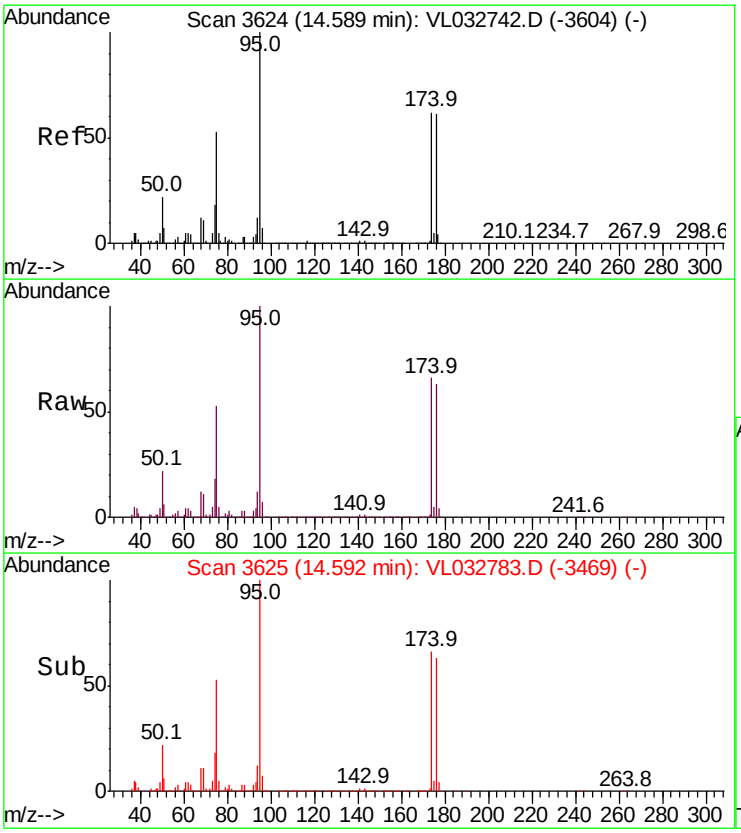
#67
sec-Butylbenzene
Concen: 0.057 ppbv
RT: 17.78 min Scan# 4617
Delta R.T. 0.31 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 36161

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.6	21.8

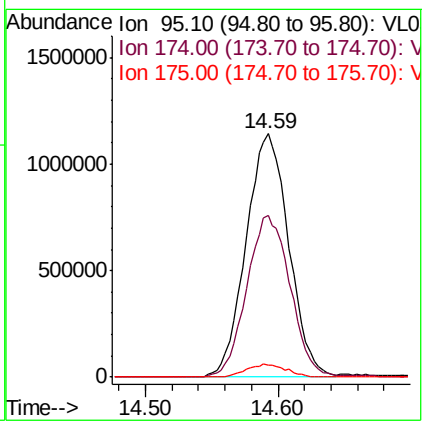


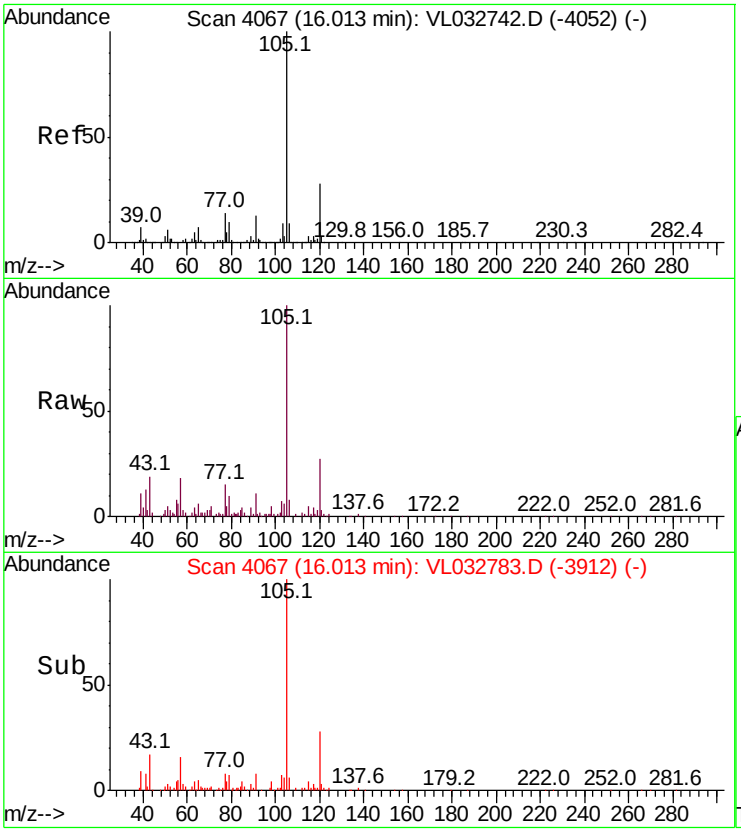


#68
1-Bromo-4-Fluorobenzene
Concen: 10.093 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. 0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion: 95 Resp: 2557537

Ion	Ratio	Lower	Upper
95	100		
174	68.0	50.7	76.1
175	5.0	3.8	5.6



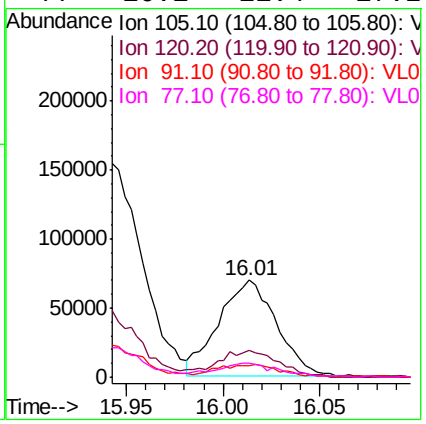


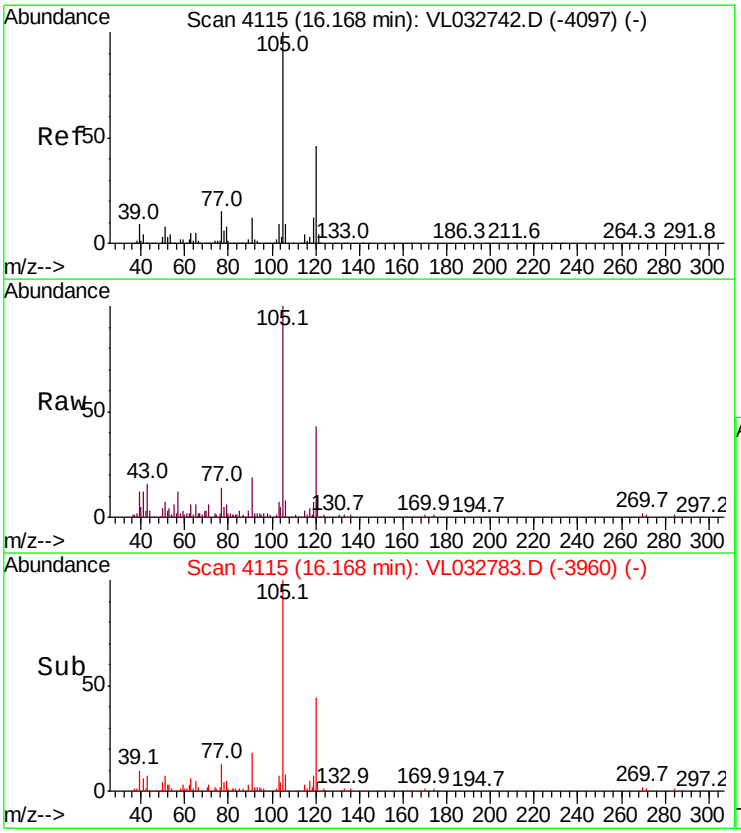
#72
4-Ethyltoluene
Concen: 0.361 ppbv
RT: 16.01 min Scan# 4067
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 144547

Ion	Ratio	Lower	Upper
105	100		
120	29.8	22.9	34.3
91	13.9	10.6	15.8
77	16.1	11.4	17.2

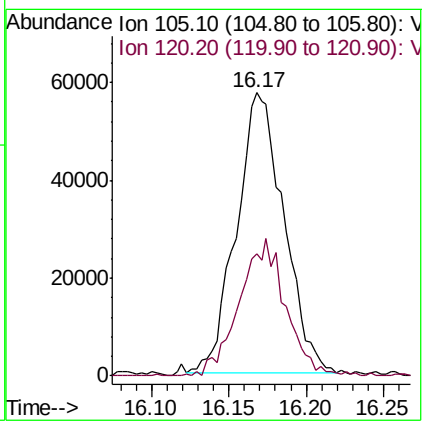


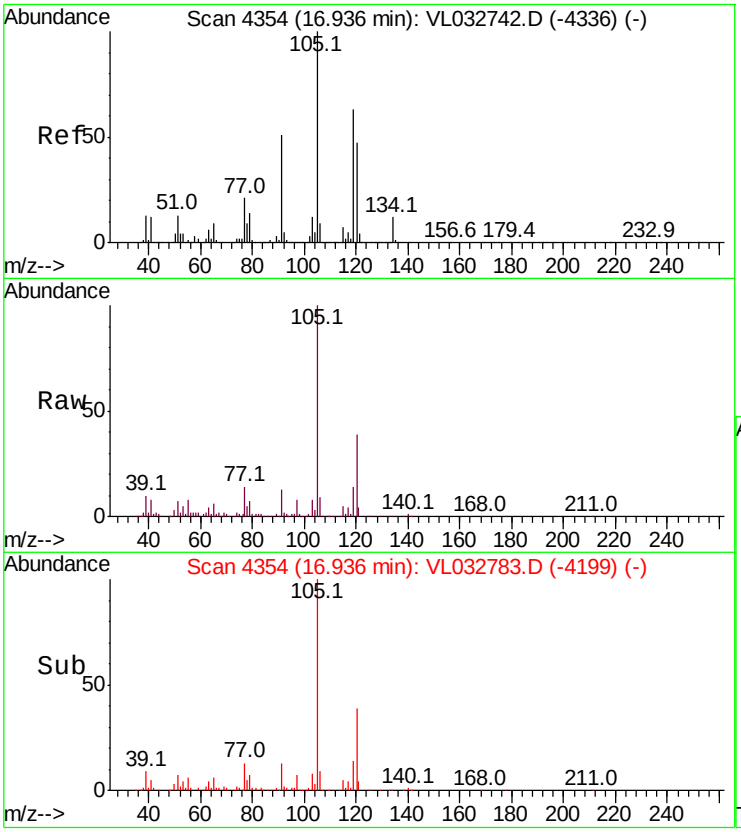


#73
1,3,5-Trimethylbenzene
Concen: 0.311 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Tgt Ion:105 Resp: 121660

Ion	Ratio	Lower	Upper
105	100		
120	43.2	36.6	55.0





#74
1,2,4-Trimethylbenzene
Concen: 0.982 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. -0.00 min
Lab File: VL032783.D
Acq: 20 Nov 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 411109

Ion	Ratio	Lower	Upper
105	100		
120	38.9	37.6	56.4
91	13.0	42.5	63.7#
77	13.2	17.4	26.2#