Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121118\
Data File : VL032957.D
Acq On : 11 Dec 2018 16:41
Operator : SY/AP
Sample : J6338-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 12 00:50:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1272463	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2995663	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	3047568	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2273682	10.10	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	87065	0.513	ppbv		94
3) Chlorodifluoromethane	3.02	51	47543	0.493	ppbv		93
4) Chloromethane	3.17	50	29351	0.523	ppbv		95
9) Propene	3.24	41	39597	1.039	ppbv		85
11) Trichlorofluoromethane	4.01	101	38860	0.243	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	8499	0.062	ppbv	#	72
13) Ethanol	3.66	45	2210176	168.459	ppbv		97
15) Acetone	3.91	43	683893	6.262	ppbv		100
16) 1,3-Butadiene	3.35	39	10102	0.233	ppbv	#	38
17) tert-Butyl alcohol	4.38	59	8306	0.299	ppbv	#	98
19) Isopropyl Alcohol	4.04	45	37856	0.552	ppbv	#	1
20) Methylene Chloride	4.41	84	1636993	30.666	ppbv		96
21) Allyl Chloride	4.42	41	59876	0.673	ppbv	#	20
23) Vinyl Acetate	5.15	43	17552	0.095	ppbv	#	71
25) Ethyl Acetate	5.78	43	216726	0.840	ppbv	#	93
26) Hexane	5.78	57	171149	1.437	ppbv	#	65
29) Chloroform	5.85	83	47823	0.225	ppbv		95
31) cis-1,2-Dichloroethene	5.78	61	6902	0.063	ppbv	#	33
34) 2-Butanone	5.34	43	527518	4.043	ppbv		99
36) Benzene	7.01	78	46467	0.211	ppbv	#	90
39) 1,2-Dichloropropane	7.29	63	746002	8.927	ppbv	#	21
41) Tetrahydrofuran	6.16	42	144116	1.776	ppbv		97
52) Tetrachloroethene	11.38	164	1336753	16.679	ppbv		99
53) Toluene	9.95	91	572946	2.452	ppbv		99
58) Ethyl Benzene	12.87	91	17315	0.053	ppbv		95
59) m/p-Xylene	13.15	91	19951	0.068	ppbv	#	100
60) o-Xylene	13.86	91	37203	0.125	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	122397	0.334	ppbv	#	67
80) Naphthalene,2-methyl-	25.13	142	8490	0.168	ppbv	#	80

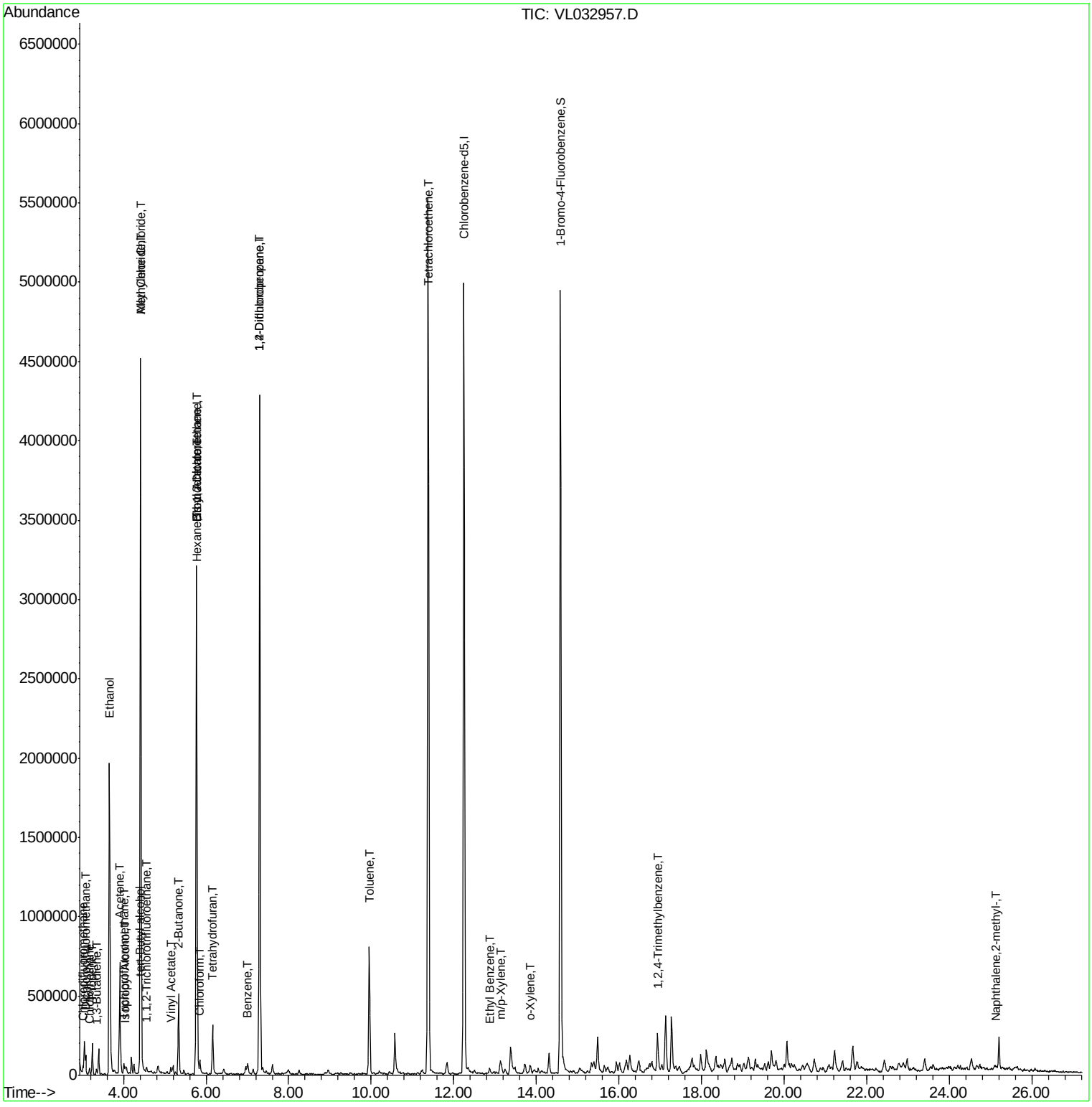
(#) = qualifier out of range (m) = manual integration (+) = signals summed

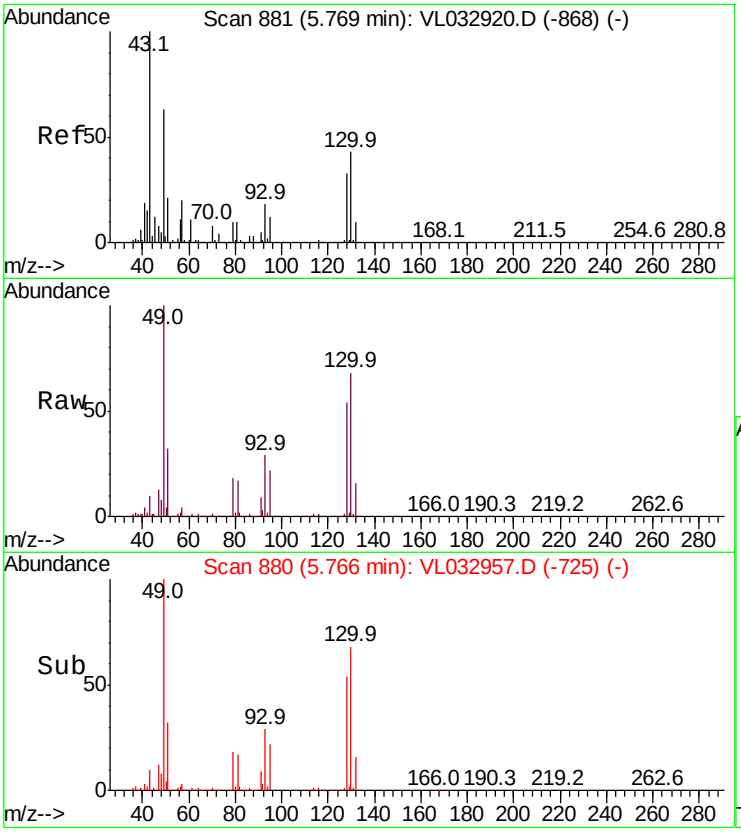
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121118\
Data File : VL032957.D
Acq On : 11 Dec 2018 16:41
Operator : SY/AP
Sample : J6338-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 12 00:50:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration



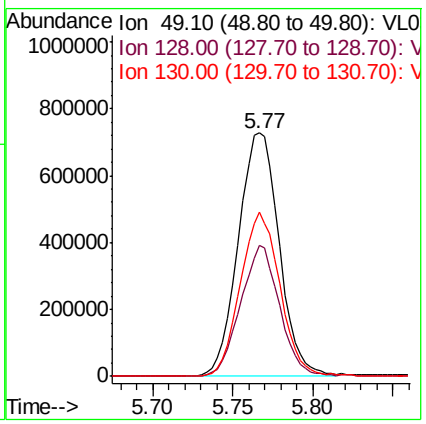


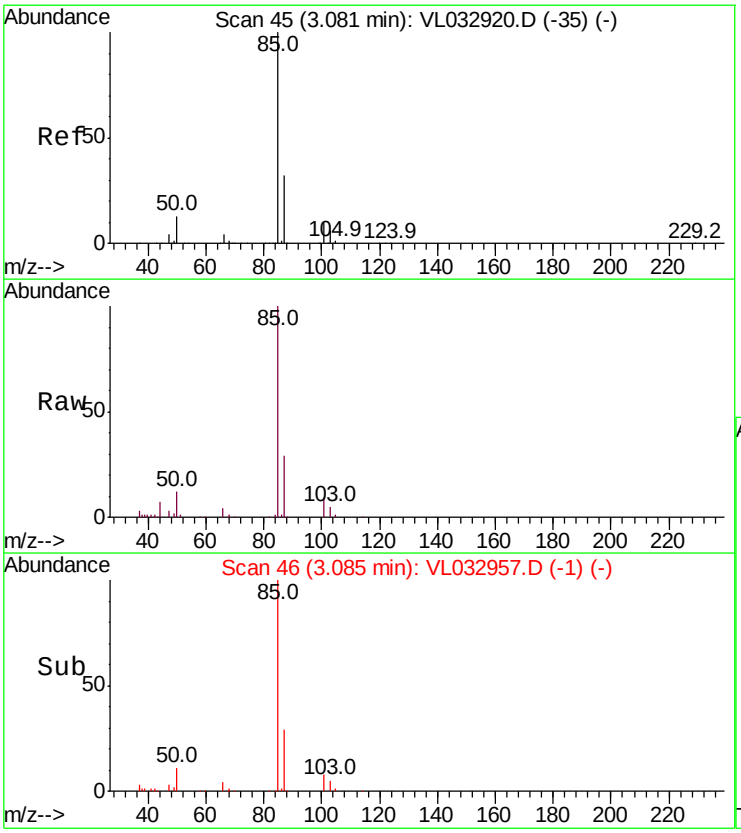
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1272463

Ion	Ratio	Lower	Upper
49	100		
128	51.6	26.3	78.8
130	65.6	33.9	101.7

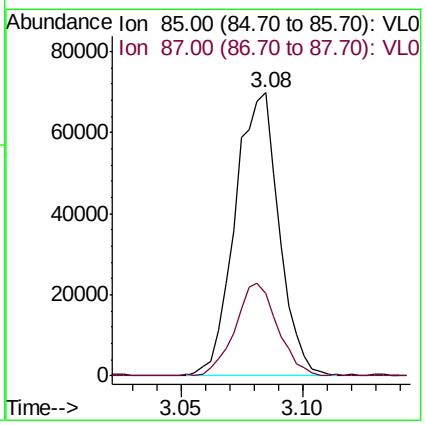


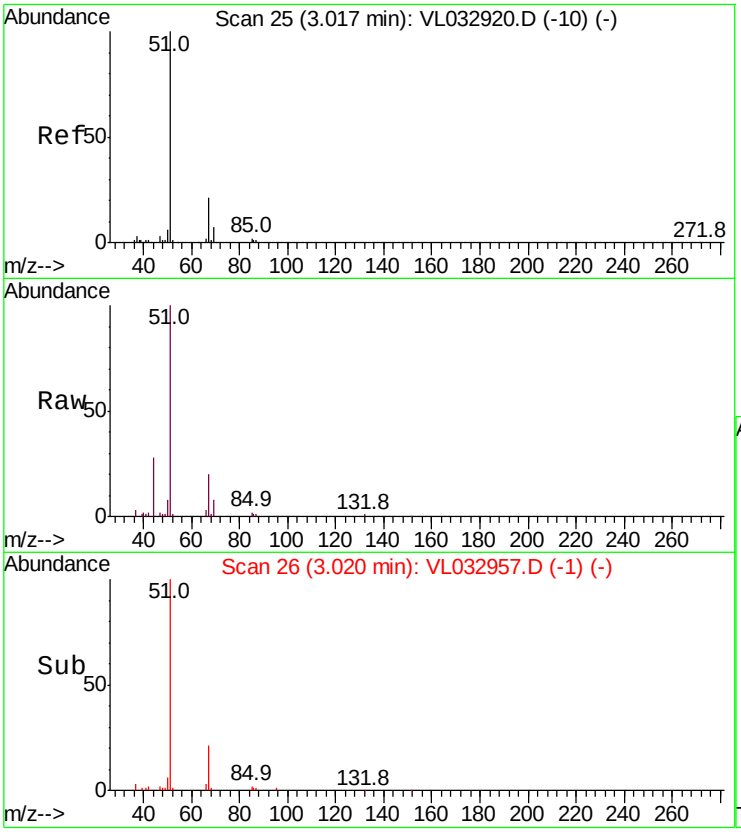


#2
Dichlorodifluoromethane
Concen: 0.513 ppbv
RT: 3.08 min Scan# 46
Delta R.T. 0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 85 Resp: 87065

Ion	Ratio	Lower	Upper
85	100		
87	28.6	25.7	38.5

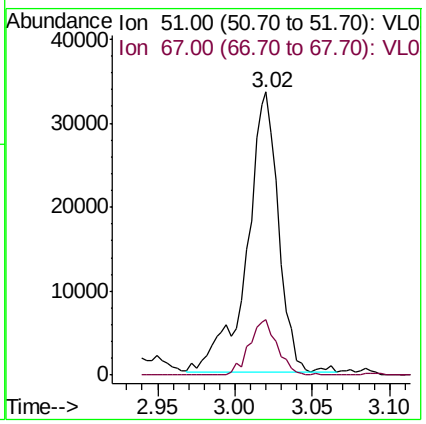




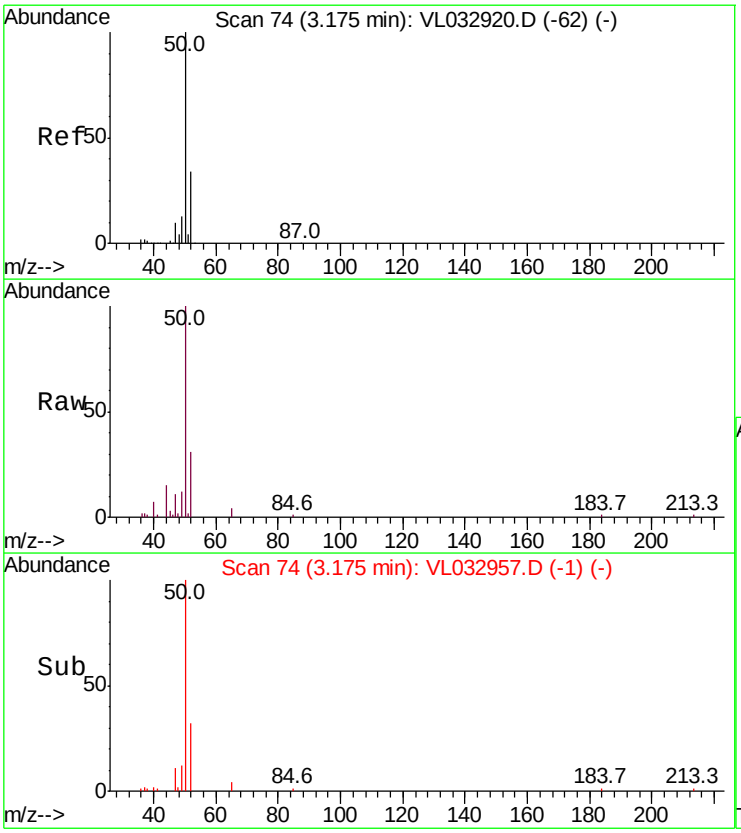
#3
Chlorodifluoromethane
Concen: 0.493 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 51 Resp: 47543

Ion	Ratio	Lower	Upper
51	100		
67	17.6	16.8	25.2



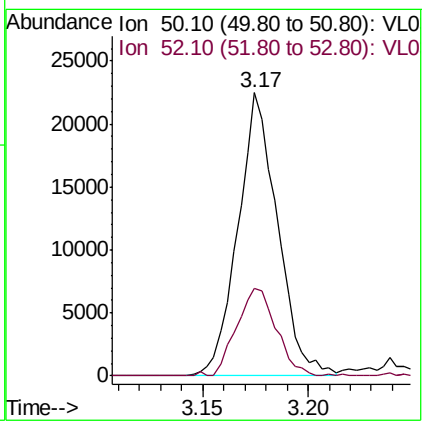
Instrument :
MSVOA_L
ClientSampleId :

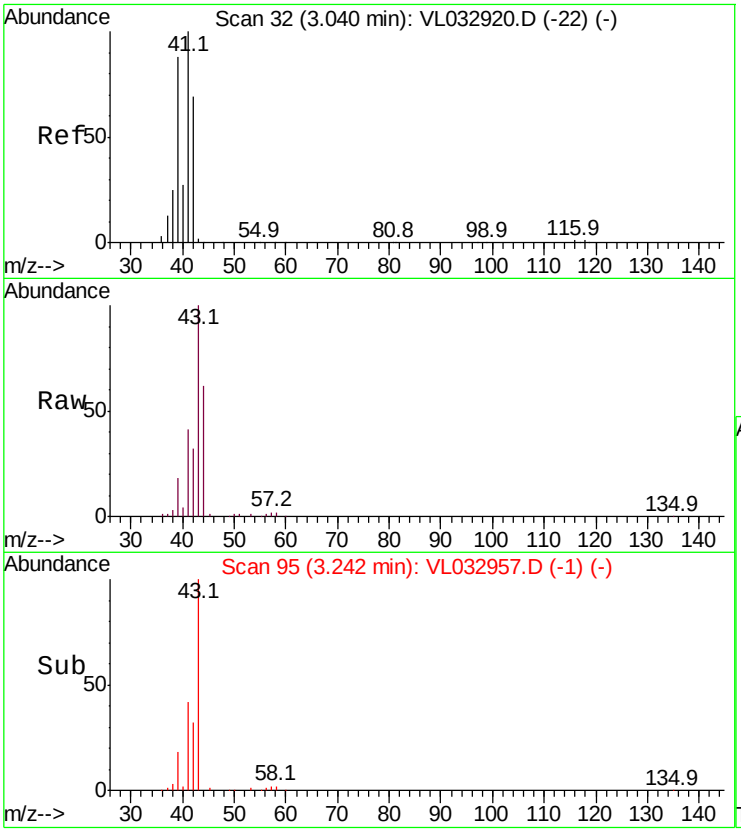


#4
Chloromethane
Concen: 0.523 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 50 Resp: 29351

Ion	Ratio	Lower	Upper
50	100		
52	31.1	27.3	40.9

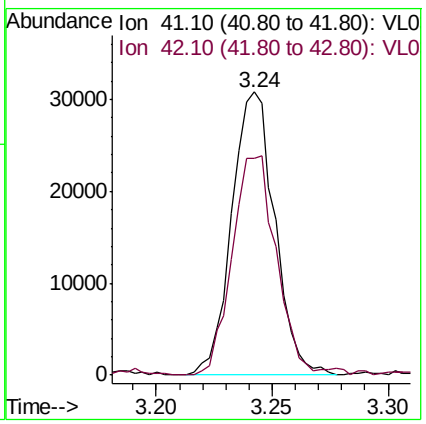




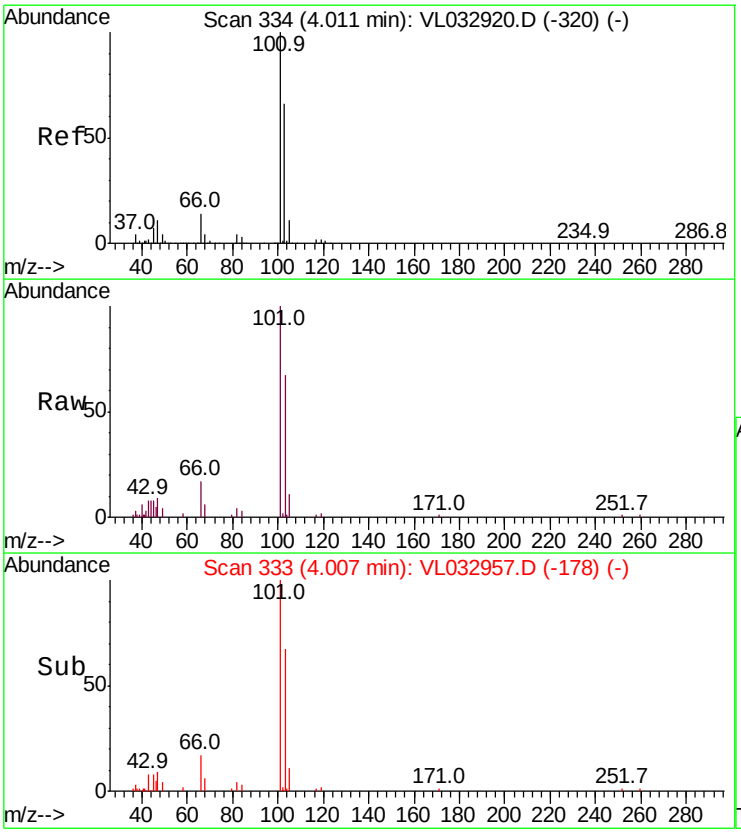
#9
Propene
Concen: 1.039 ppbv
RT: 3.24 min Scan# 95
Delta R.T. 0.20 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 41 Resp: 39597

Ion	Ratio	Lower	Upper
41	100		
42	82.1	56.2	84.2



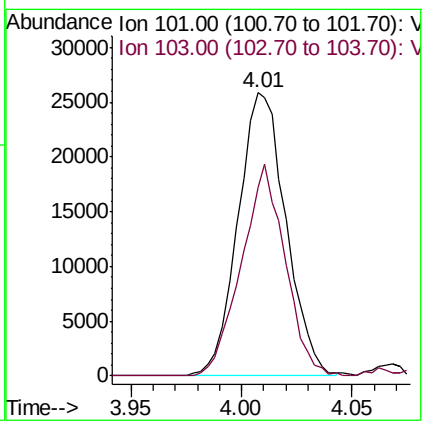
Instrument :
MSVOA_L
ClientSampleId :

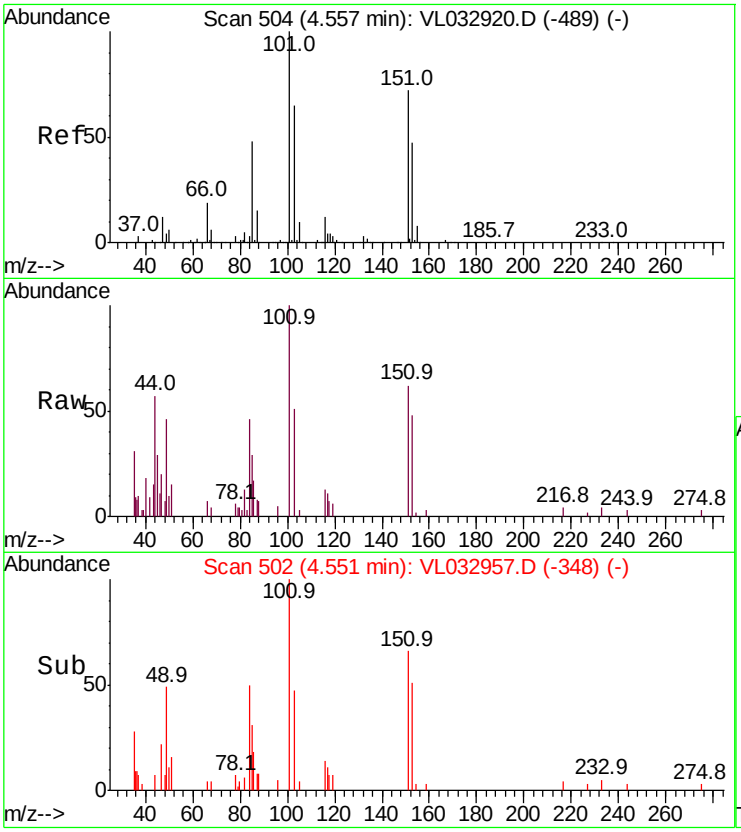


#11
Trichlorofluoromethane
Concen: 0.243 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion:101 Resp: 38860

Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.7	79.1



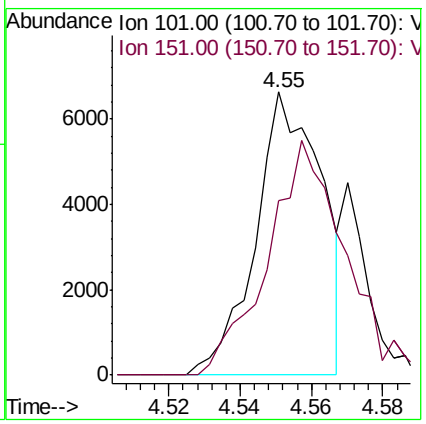


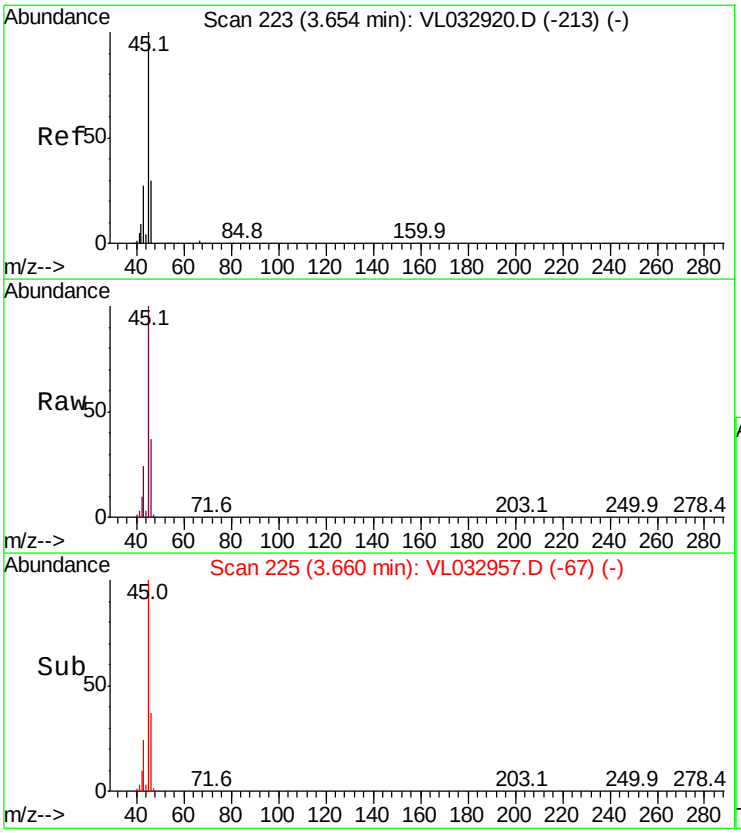
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.062 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 8499

Ion	Ratio	Lower	Upper
101	100		
151	97.4	59.3	88.9#

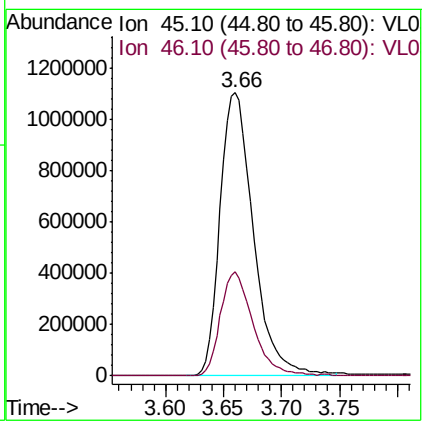


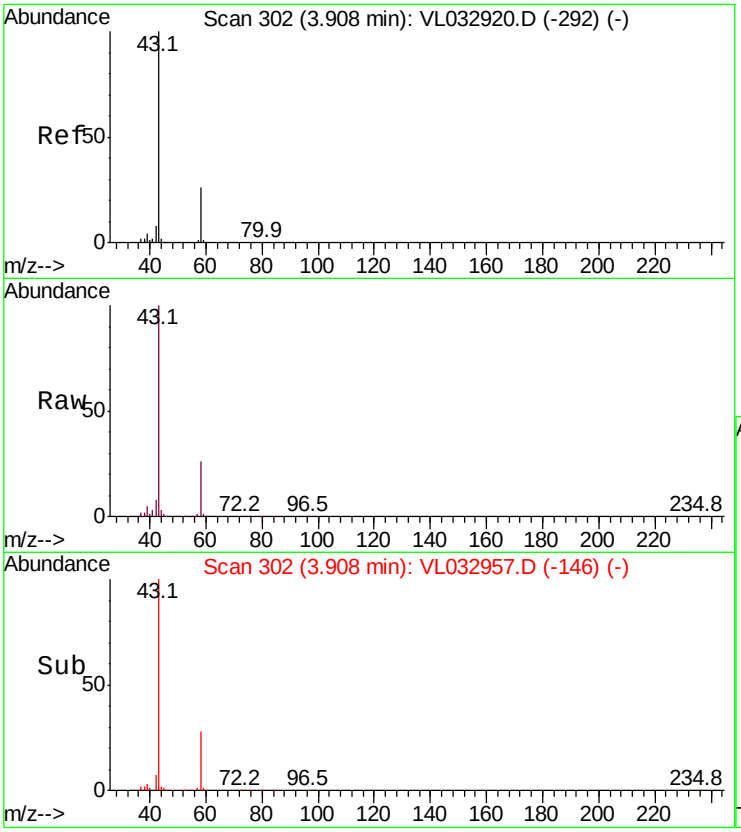


#13
Ethanol
Concen: 168.459 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 45 Resp: 2210176

Ion	Ratio	Lower	Upper
45	100		
46	36.2	13.8	55.4



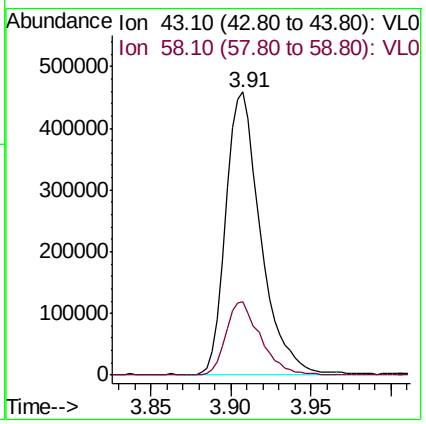


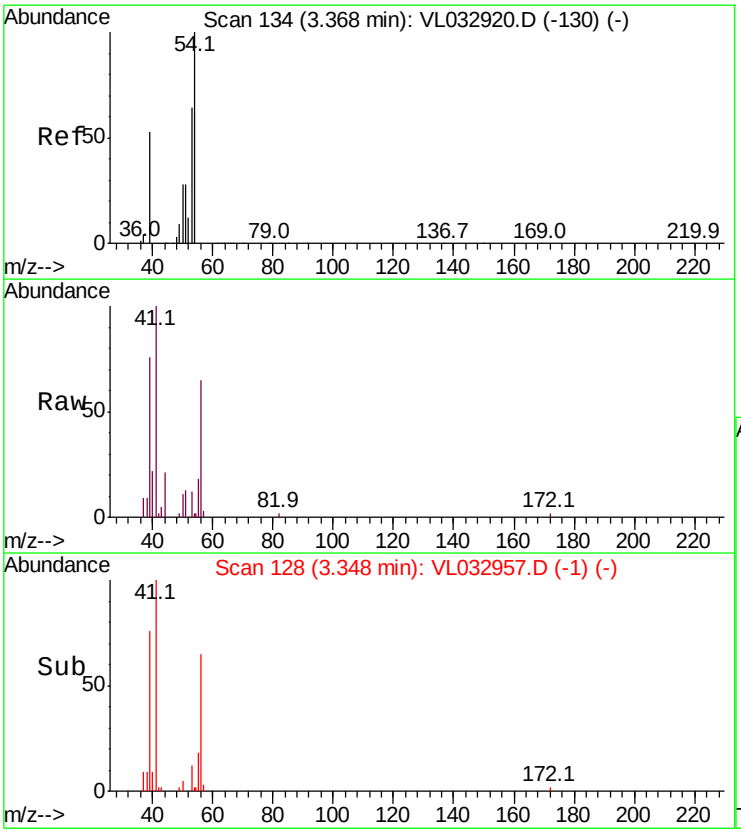
#15
Acetone
Concen: 6.262 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 683893

Ion	Ratio	Lower	Upper
43	100		
58	25.9	20.6	30.8

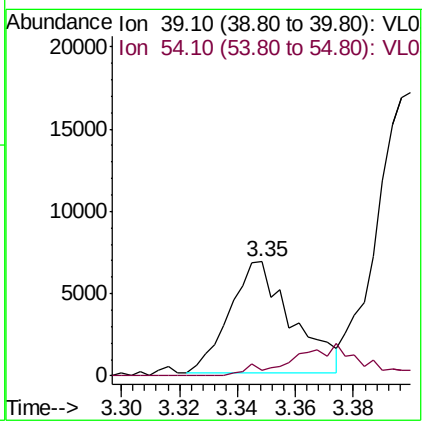


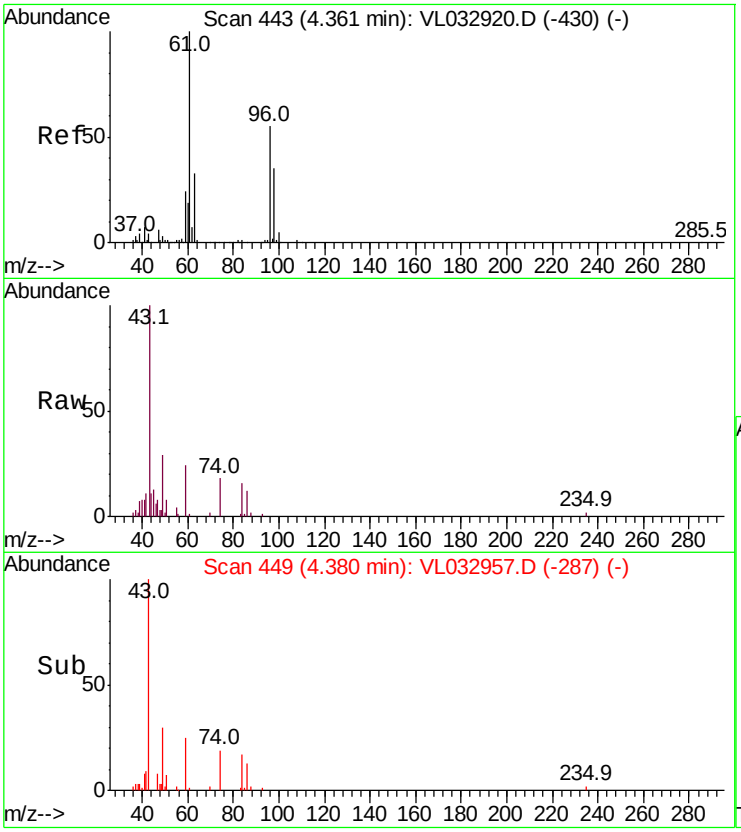


#16
1,3-Butadiene
Concen: 0.233 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 39 Resp: 10102

Ion	Ratio	Lower	Upper
39	100		
54	31.8	72.7	109.1#



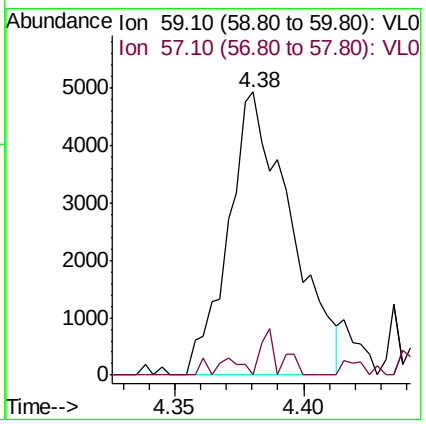


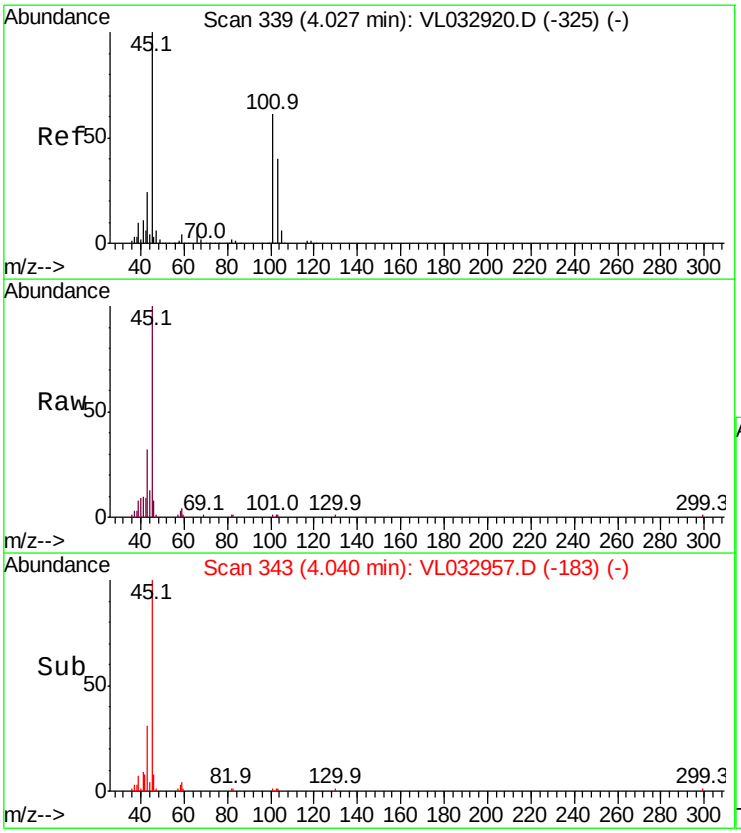
#17
tert-Butyl alcohol
Concen: 0.299 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.02 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 8306

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.6	1.0#

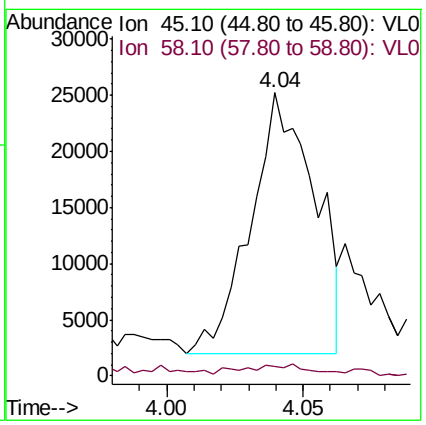


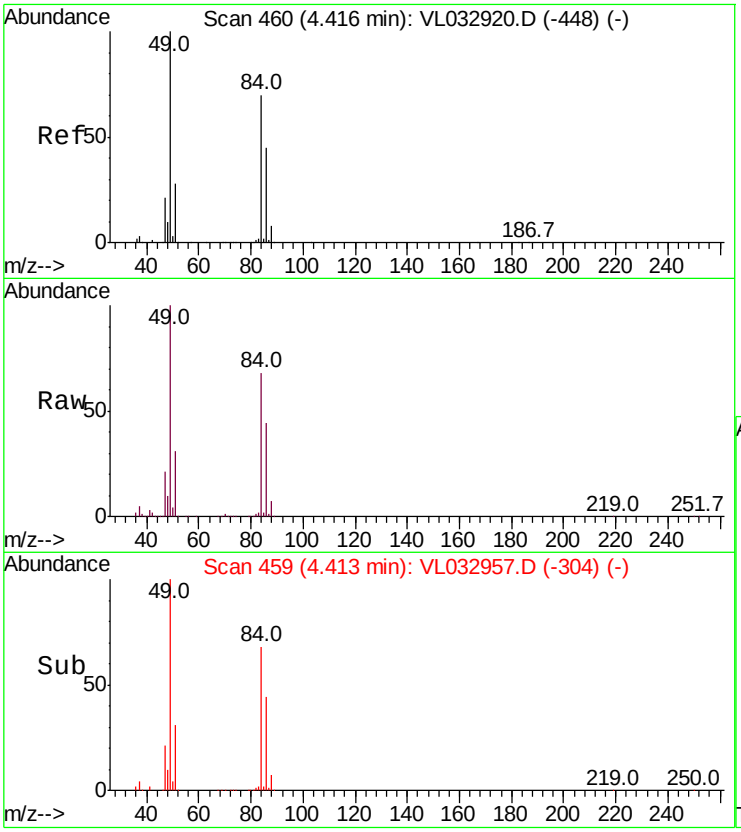


#19
Isopropyl Alcohol
Concen: 0.552 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 45 Resp: 37856

Ion	Ratio	Lower	Upper
45	100		
58	469.9	1.4	2.2#



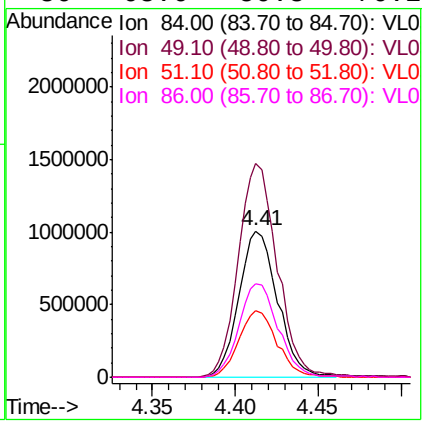


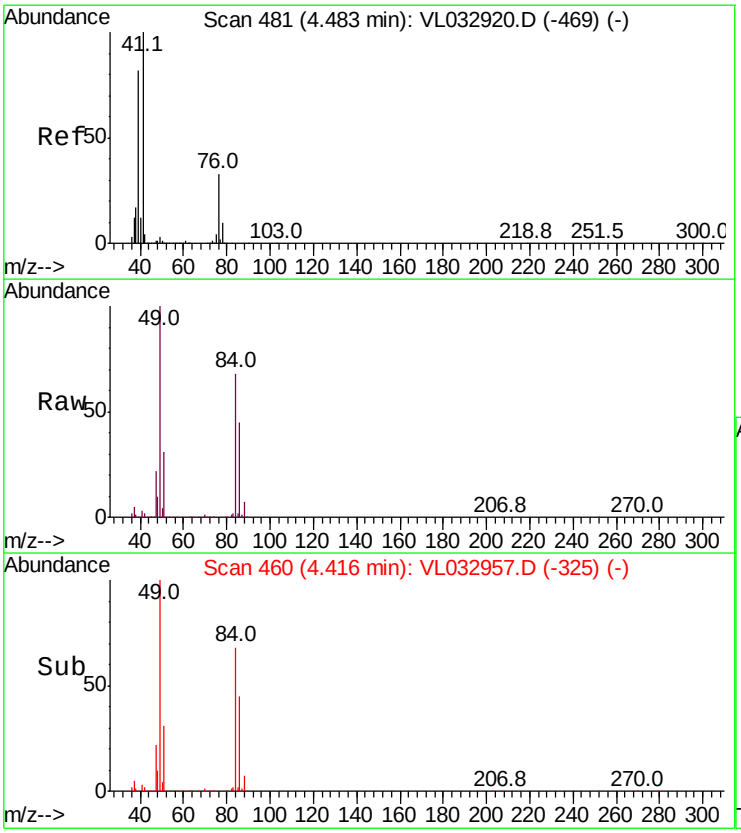
#20
Methylene Chloride
Concen: 30.666 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 1636993

Ion	Ratio	Lower	Upper
84	100		
49	146.3	113.8	170.8
51	45.9	31.8	47.8
86	63.6	50.8	76.2

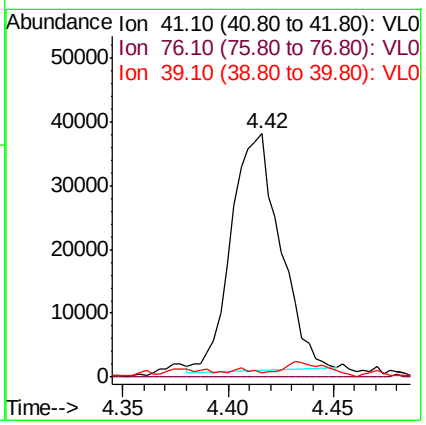


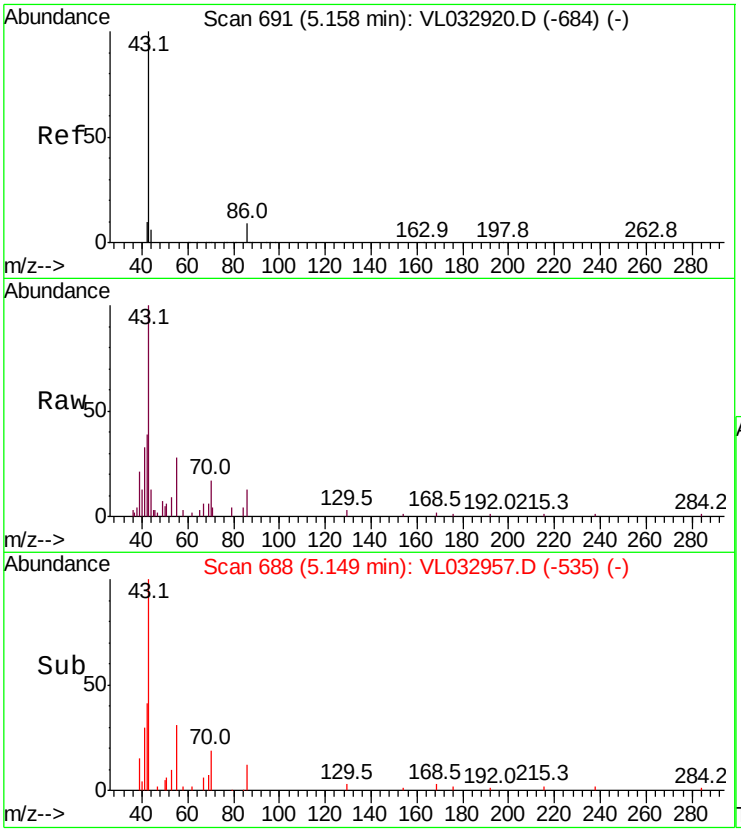


#21
Allyl Chloride
Concen: 0.673 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.07 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 41 Resp: 59876

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	1.7	65.2	97.8#



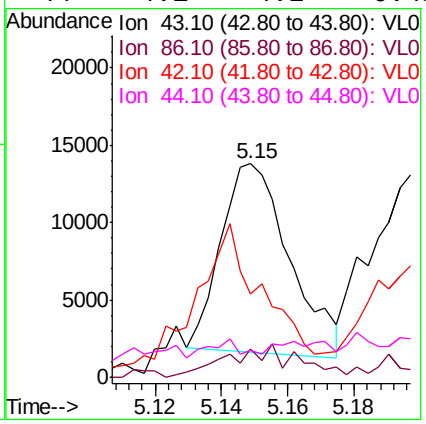


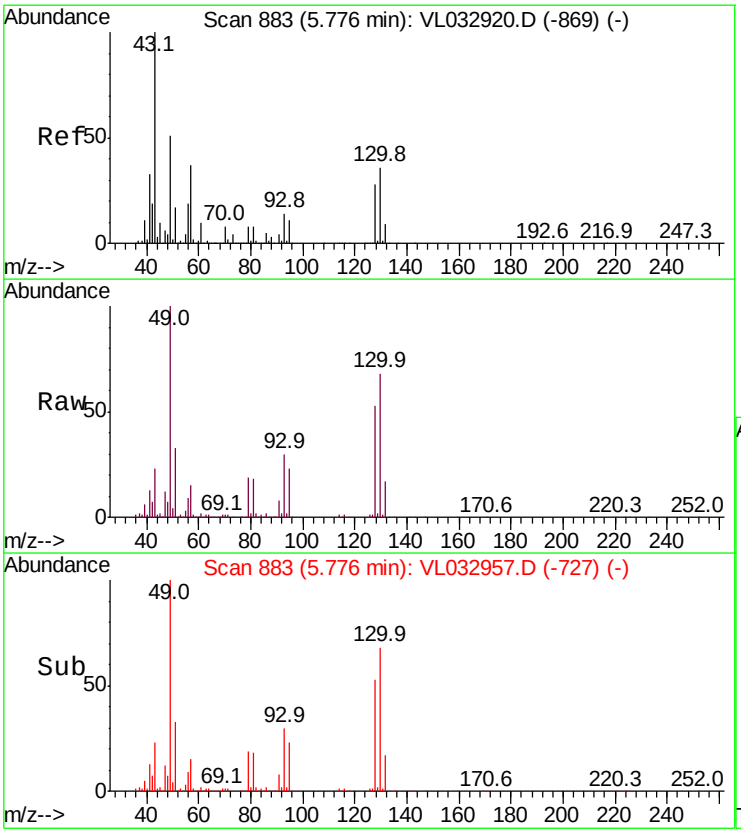
#23
Vinyl Acetate
Concen: 0.095 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 17552

Ion	Ratio	Lower	Upper
43	100		
86	12.1	6.6	9.8#
42	31.2	8.3	12.5#
44	4.1	4.2	6.4#

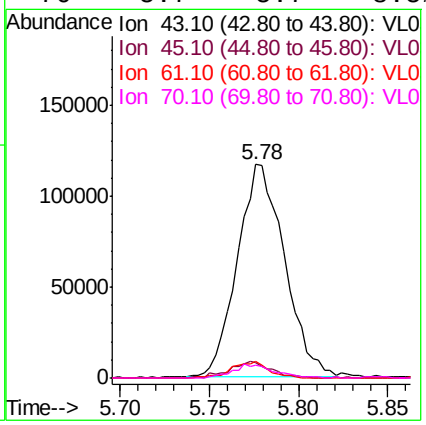


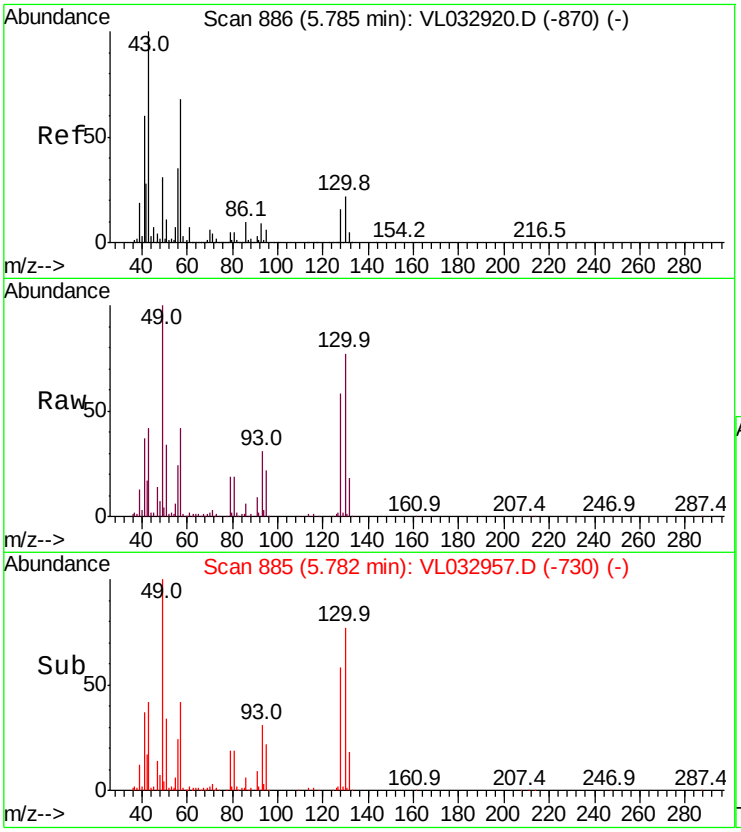


#25
Ethyl Acetate
Concen: 0.840 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 43 Resp: 216726

Ion	Ratio	Lower	Upper
43	100		
45	6.9	7.8	11.6#
61	6.1	7.4	11.2#
70	5.7	5.7	8.5#



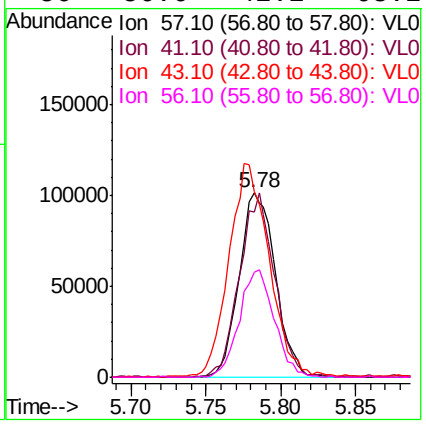


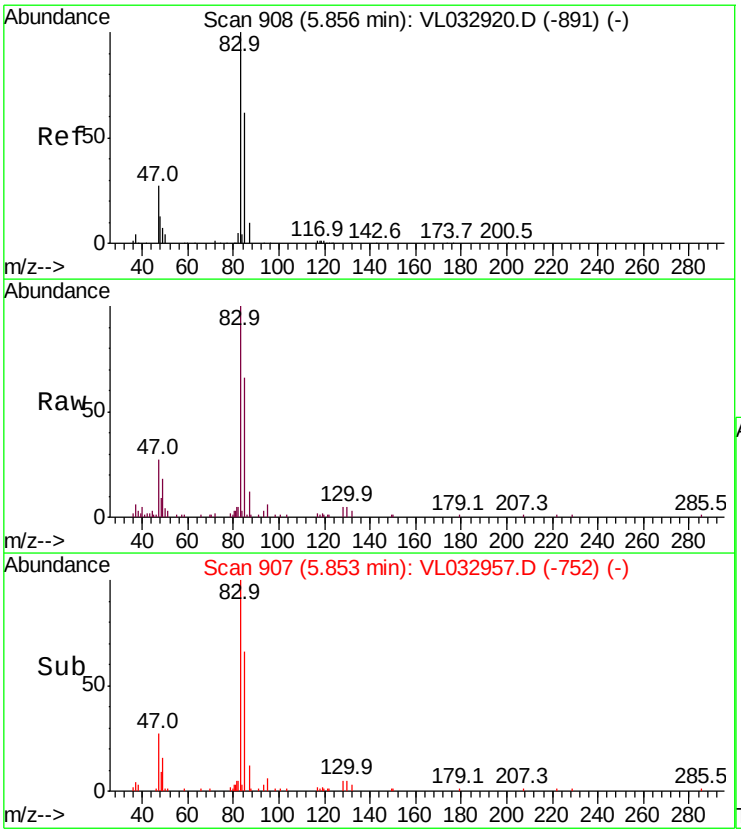
#26
Hexane
Concen: 1.437 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 171149

Ion	Ratio	Lower	Upper
57	100		
41	97.2	72.2	108.2
43	128.9	171.9	257.9#
56	56.6	42.2	63.2

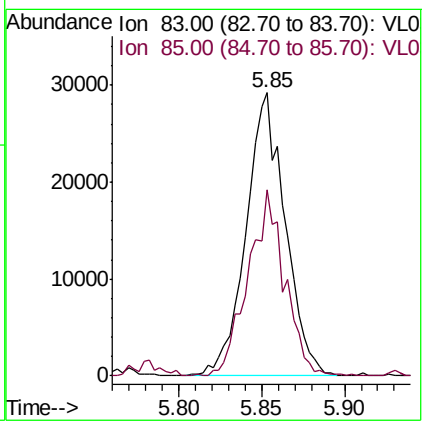


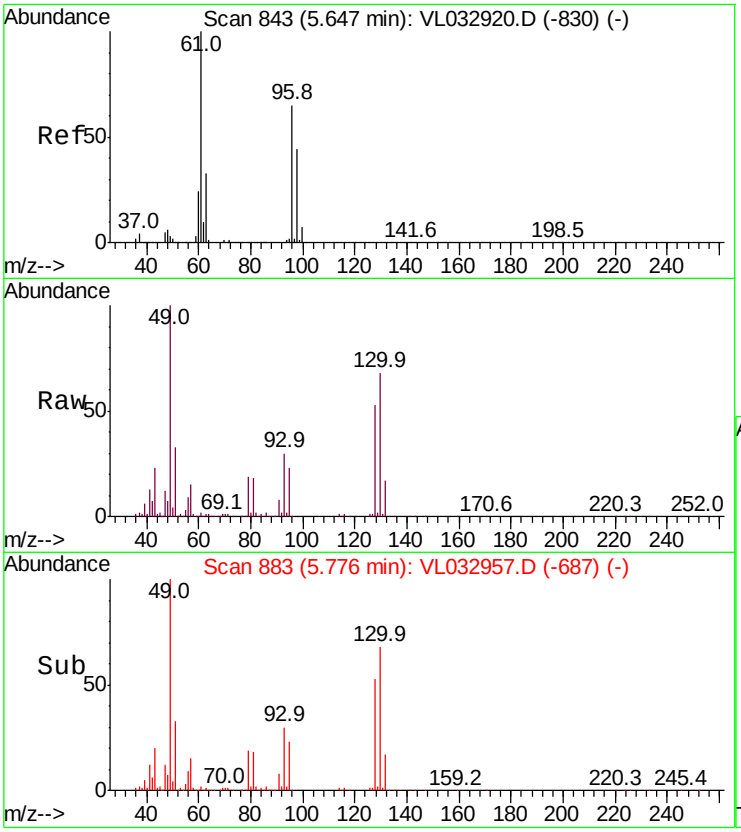


#29
Chloroform
Concen: 0.225 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 83 Resp: 47823

Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.8	74.8



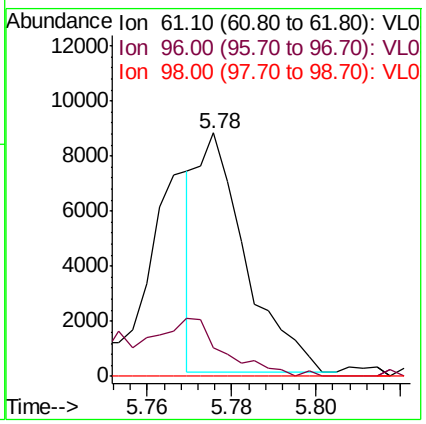


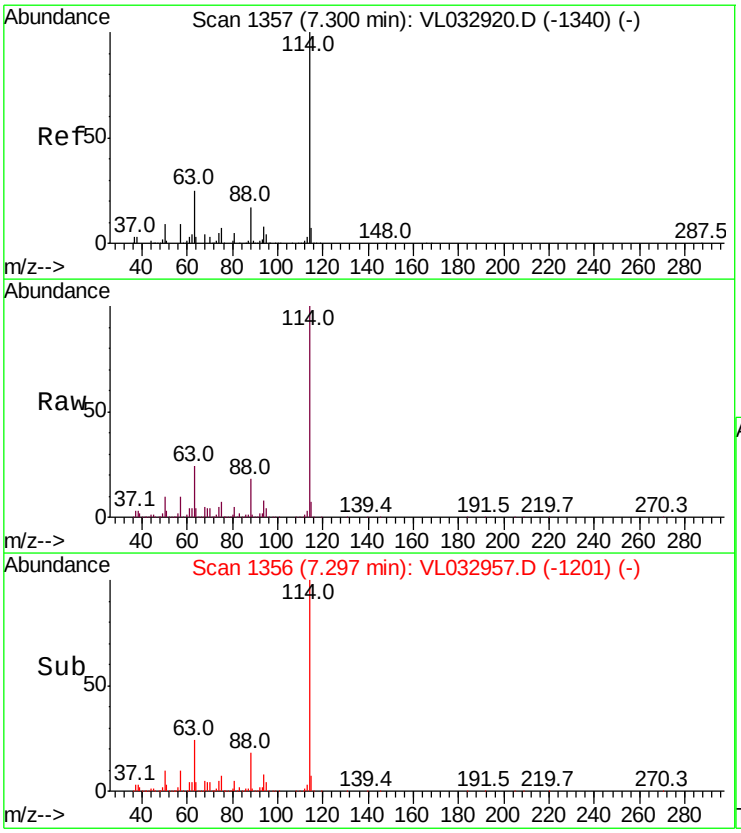
#31
cis-1,2-Dichloroethene
Concen: 0.063 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.13 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 6902

Ion	Ratio	Lower	Upper
61	100		
96	12.0	51.9	77.9#
98	0.0	35.0	52.4#

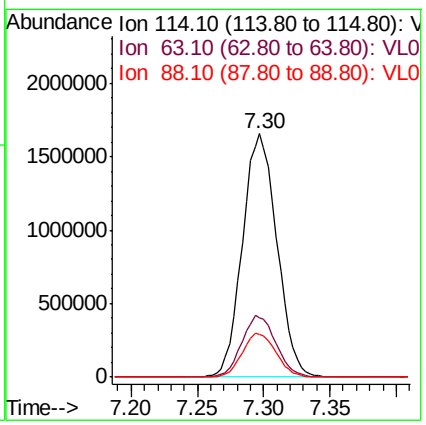


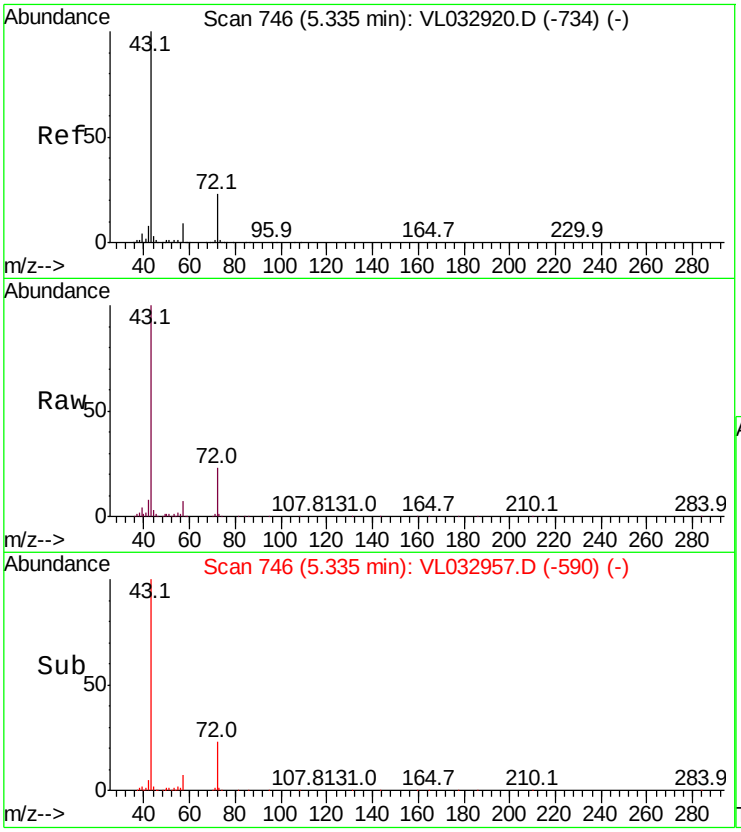


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion:114 Resp: 2995663

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.1	30.1
88	17.8	14.2	21.4



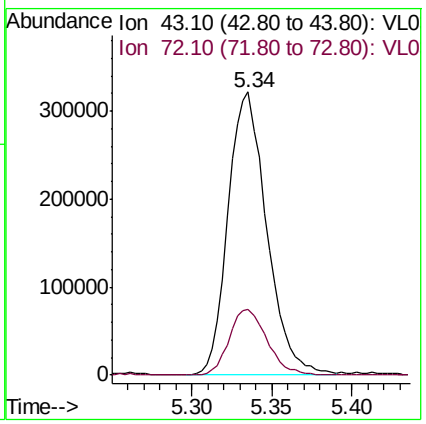


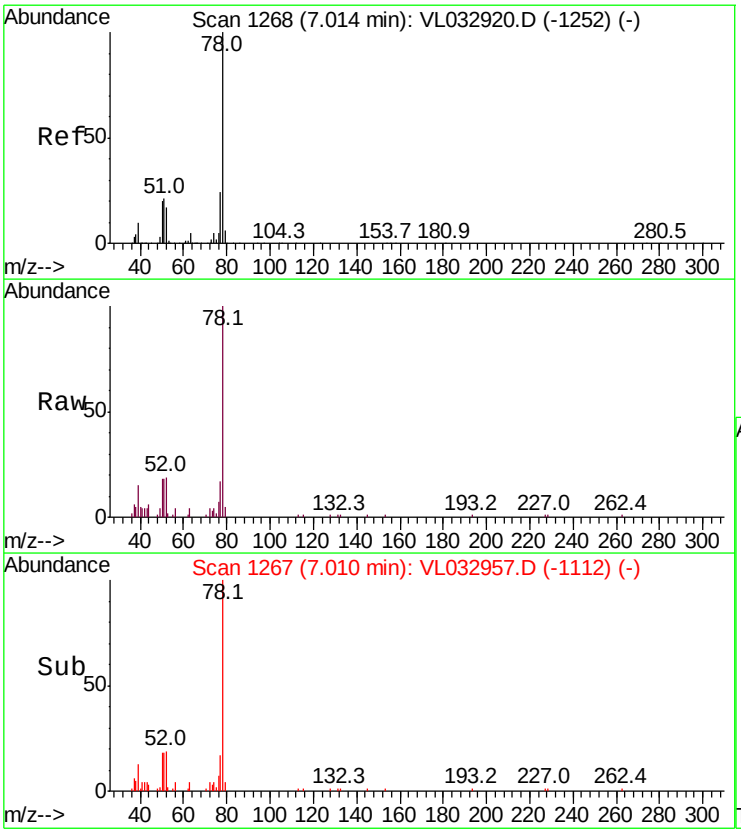
#34
2-Butanone
Concen: 4.043 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 527518

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.8	28.2

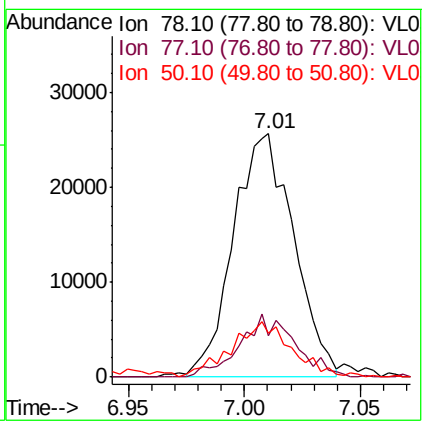


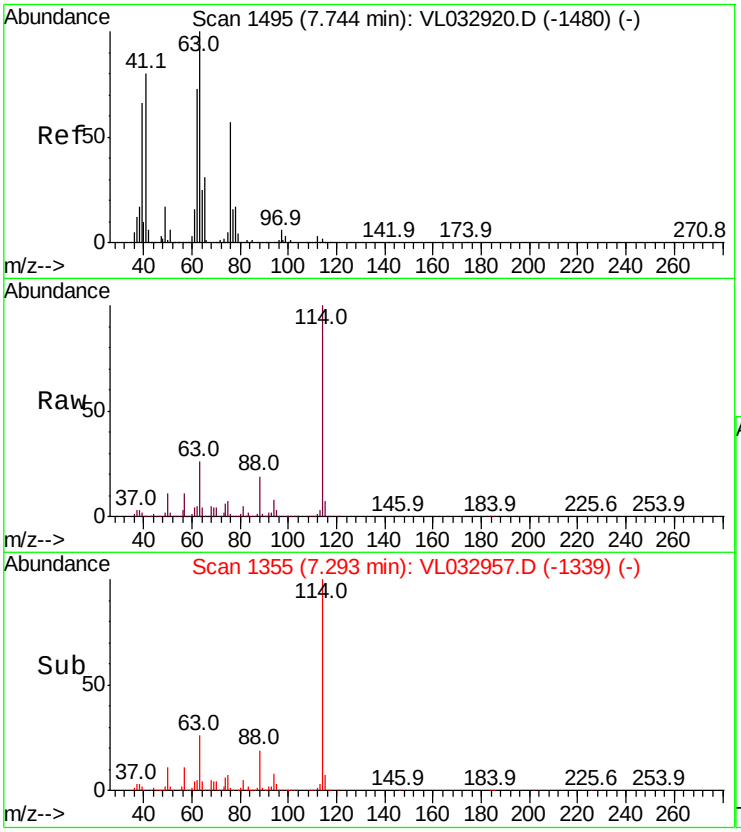


#36
Benzene
Concen: 0.211 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 78 Resp: 46467

Ion	Ratio	Lower	Upper
78	100		
77	17.2	18.9	28.3#
50	17.2	16.1	24.1



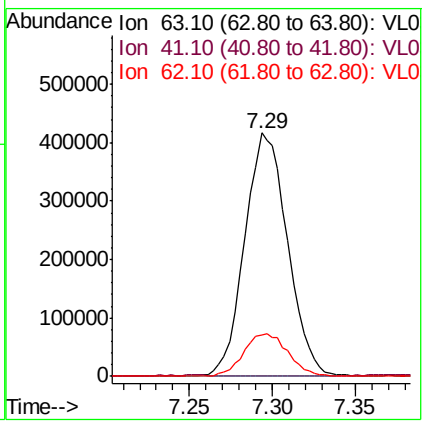


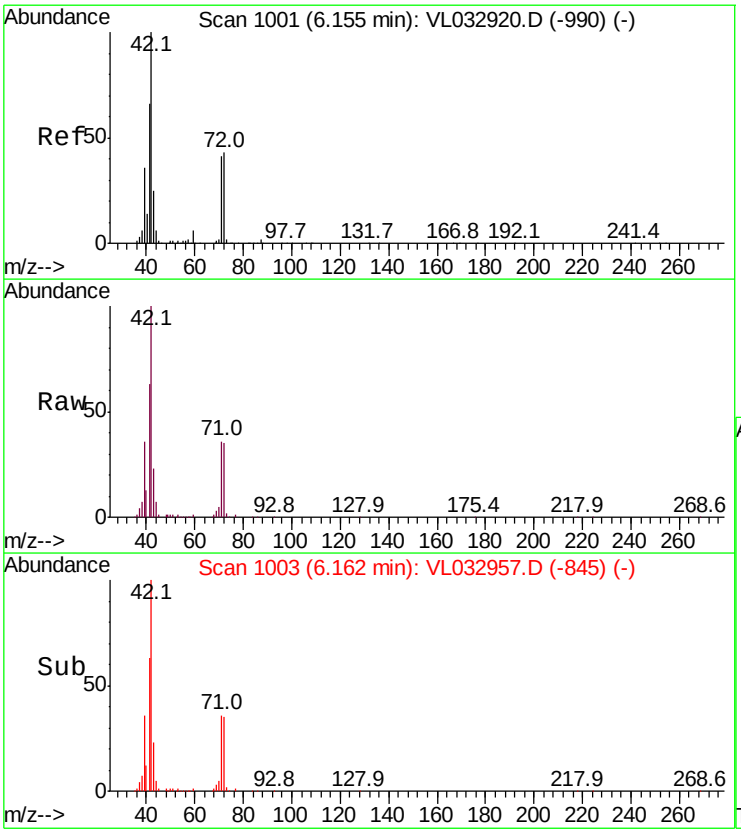
#39
1,2-Dichloropropane
Concen: 8.927 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.45 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 746002

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	17.0	58.8	88.2#

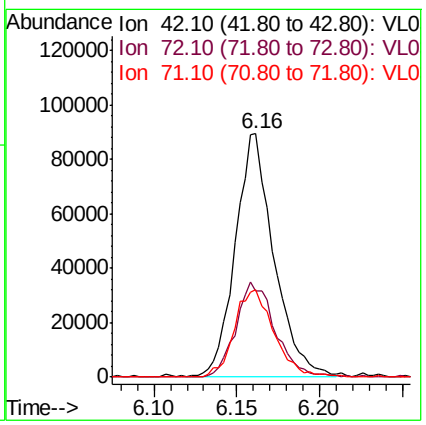


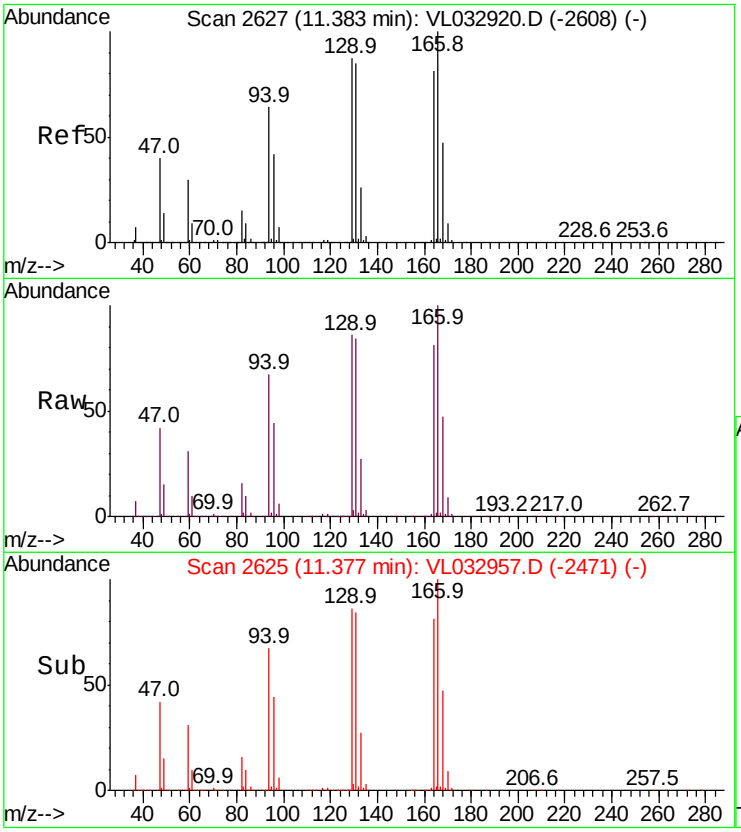


#41
Tetrahydrofuran
Concen: 1.776 ppbv
RT: 6.16 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 42 Resp: 144116

Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.9	49.3
71	37.2	32.0	48.0



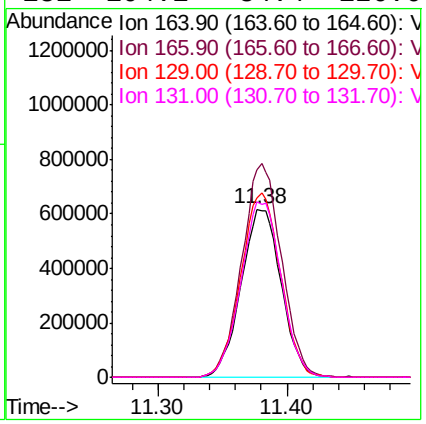


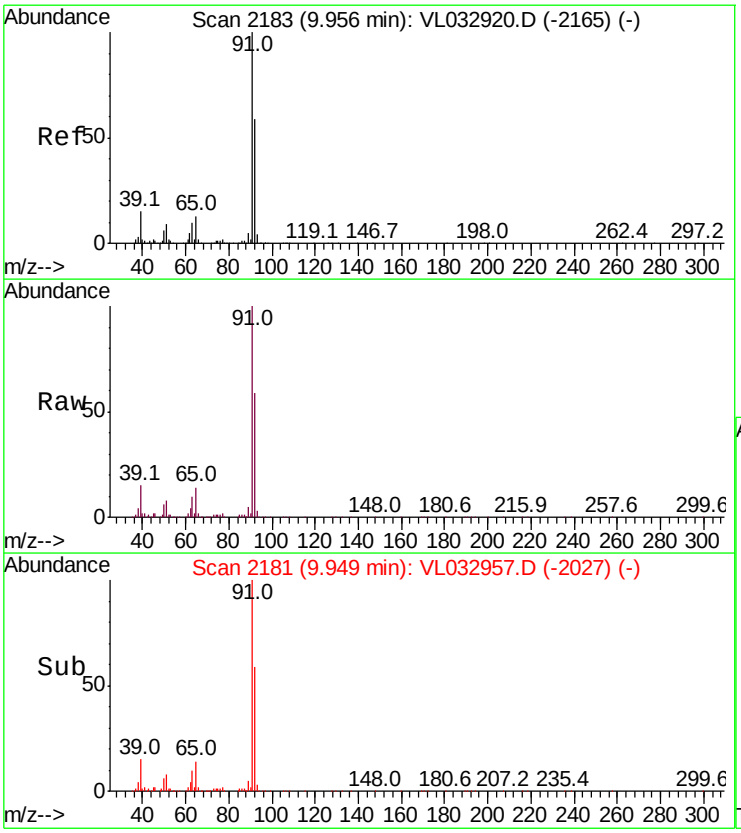
#52
Tetrachloroethene
Concen: 16.679 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 1336753

Ion	Ratio	Lower	Upper
164	100		
166	123.4	98.8	148.2
129	106.5	85.5	128.3
131	104.1	84.4	126.6

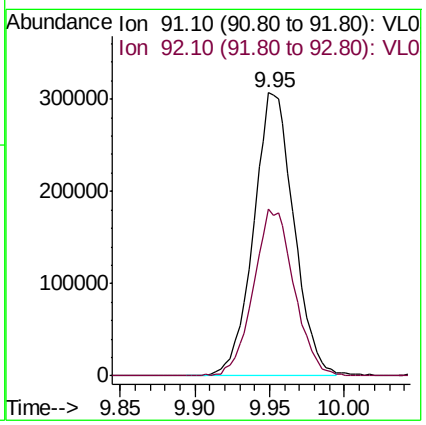


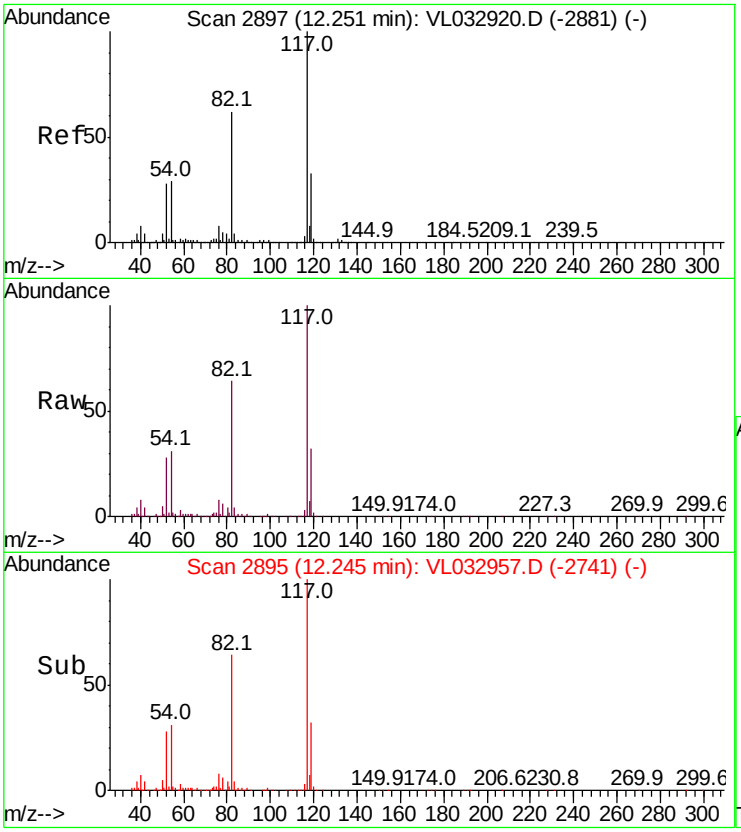


#53
Toluene
Concen: 2.452 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 91 Resp: 572946

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.4	71.0



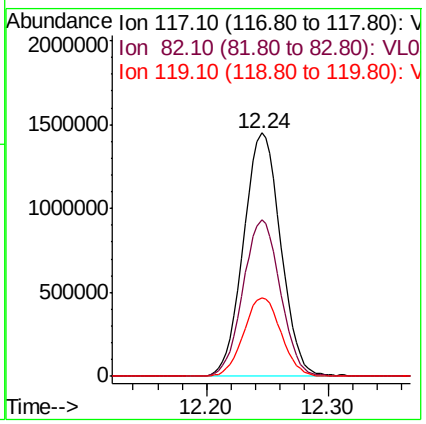


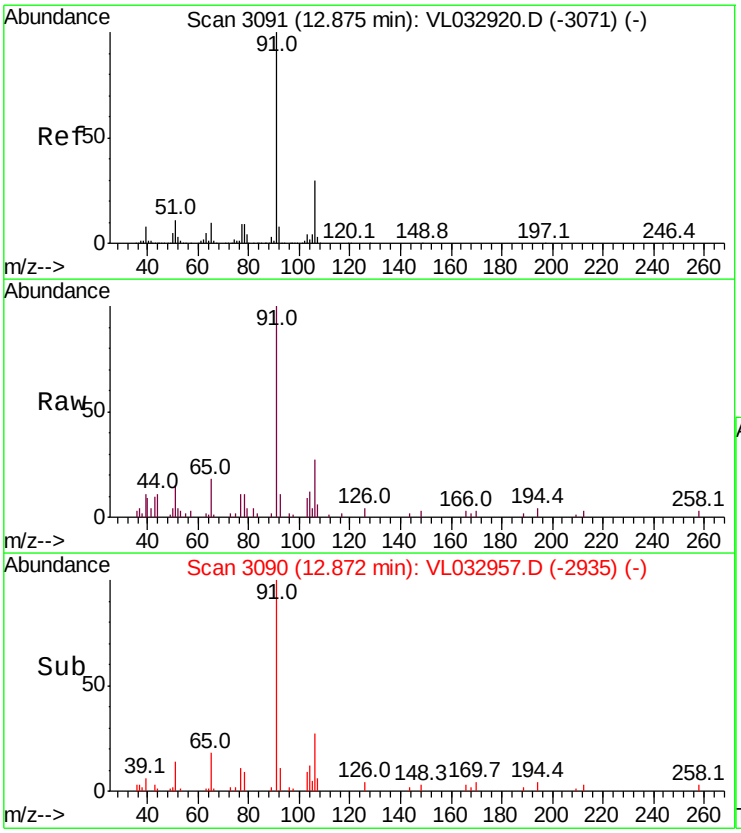
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3047568

Ion	Ratio	Lower	Upper
117	100		
82	64.6	47.8	71.8
119	32.6	43.1	64.7#

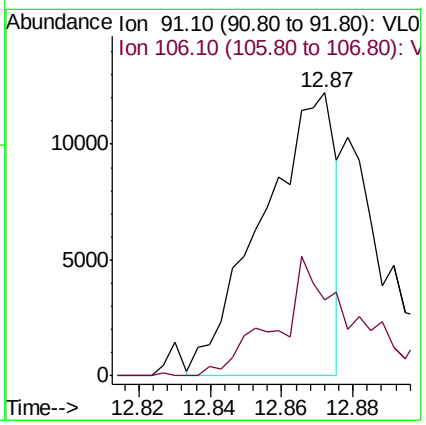


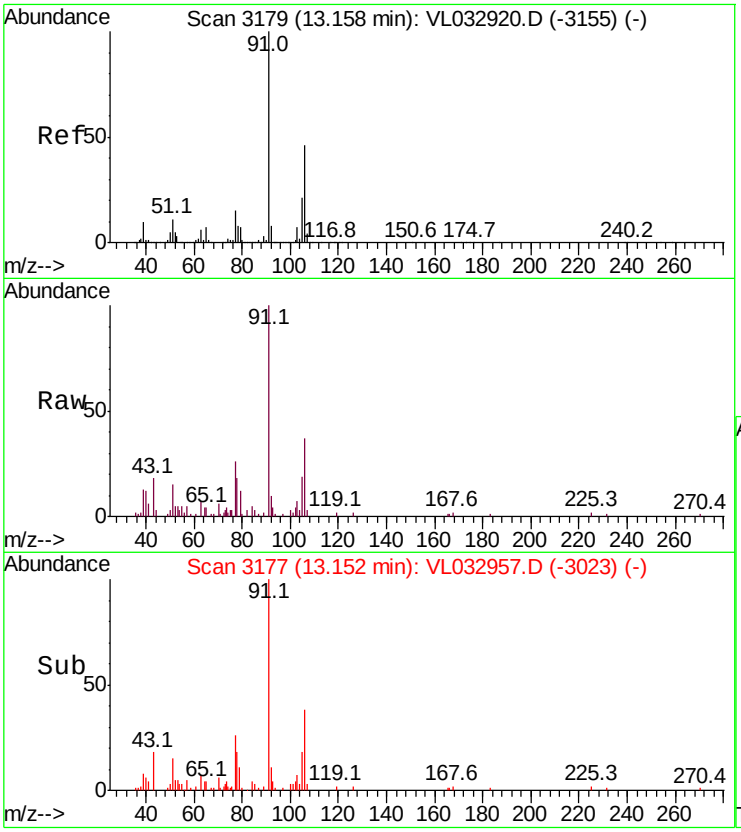


#58
Ethyl Benzene
Concen: 0.053 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 91 Resp: 17315

Ion	Ratio	Lower	Upper
91	100		
106	27.3	23.9	35.9



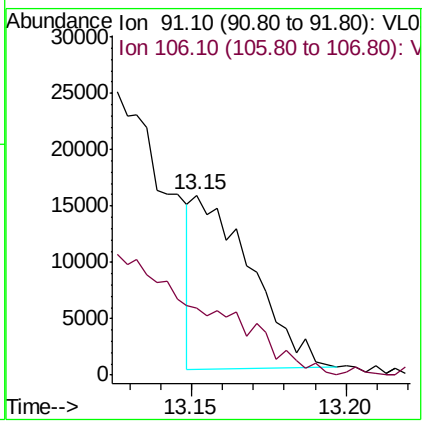


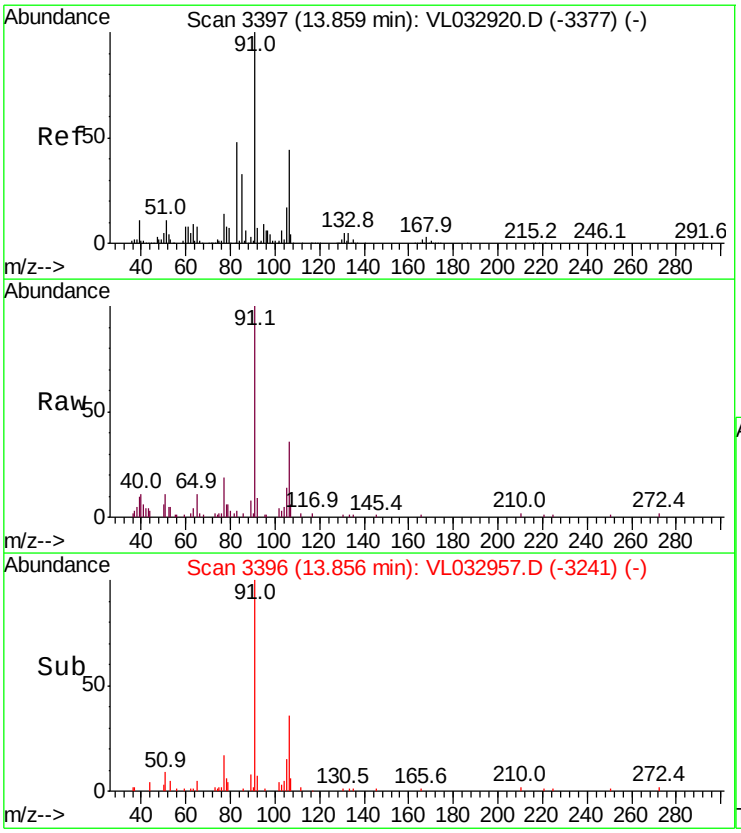
#59
m/p-Xylene
Concen: 0.068 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 19951

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

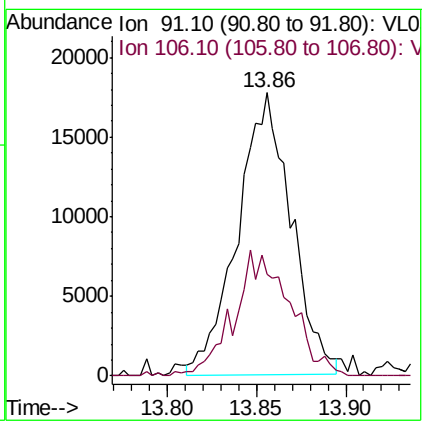


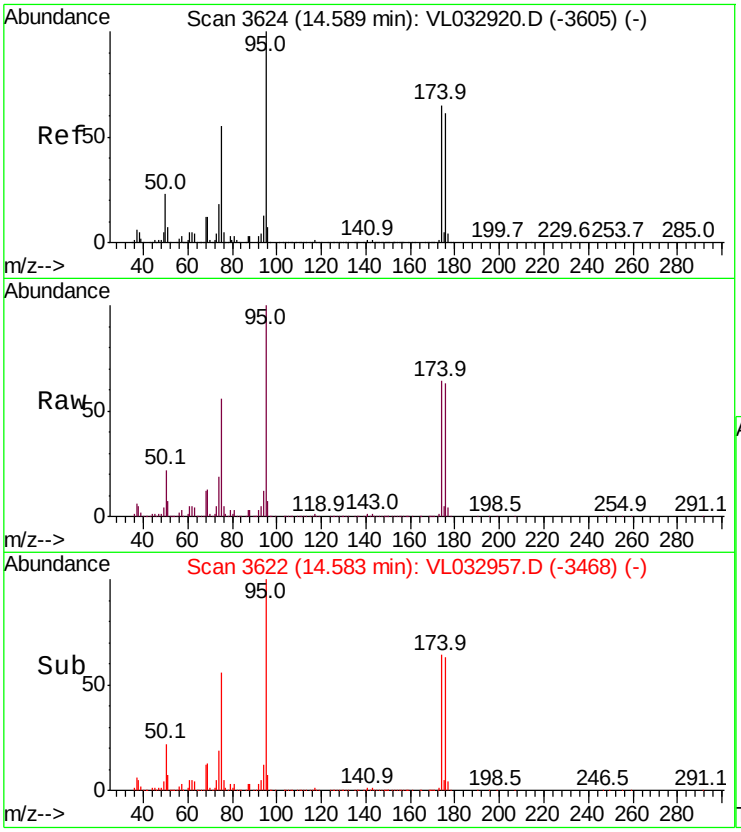


#60
o-Xylene
Concen: 0.125 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 91 Resp: 37203

Ion	Ratio	Lower	Upper
91	100		
106	46.2	21.9	65.8



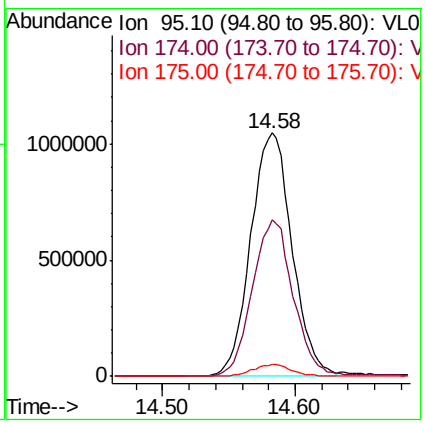


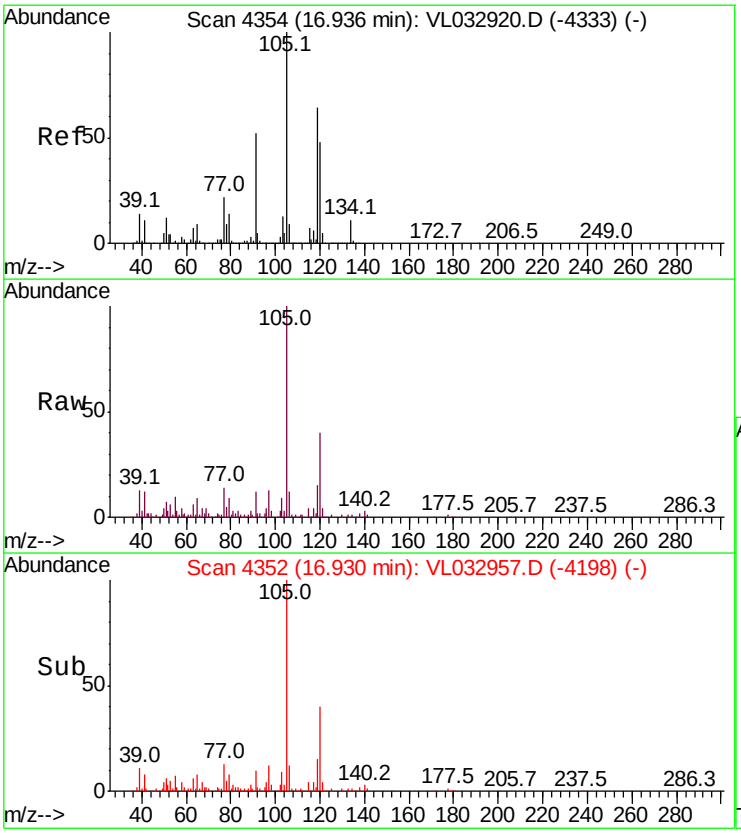
#68
1-Bromo-4-Fluorobenzene
Concen: 10.099 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2273682

Ion	Ratio	Lower	Upper
95	100		
174	64.6	51.4	77.0
175	4.7	3.8	5.6

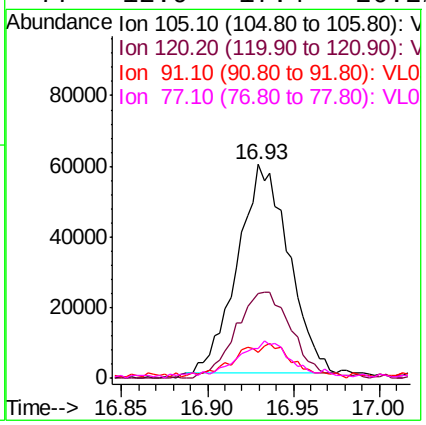


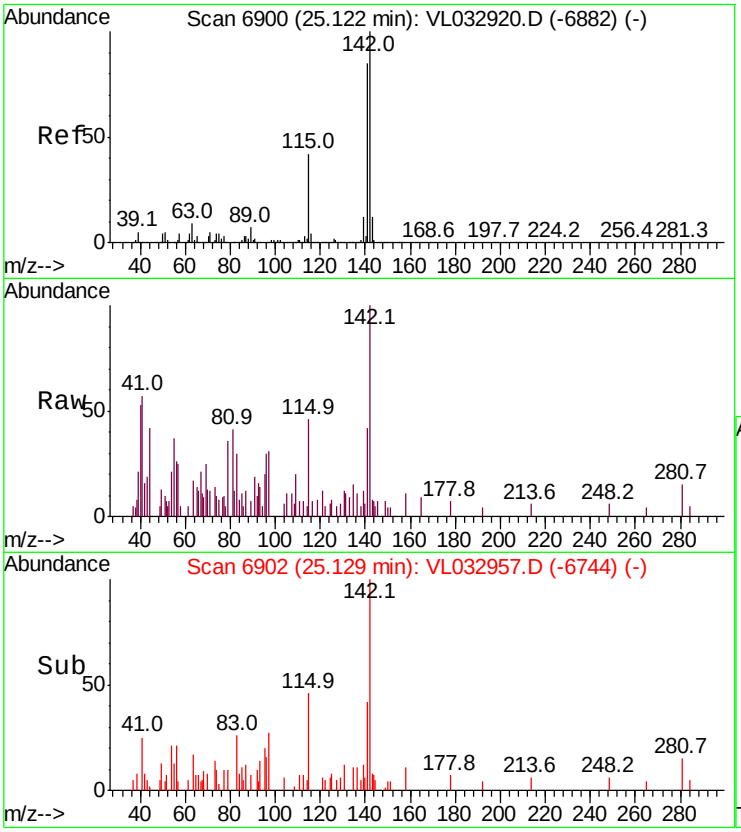


#74
1,2,4-Trimethylbenzene
Concen: 0.334 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion:105 Resp: 122397

Ion	Ratio	Lower	Upper
105	100		
120	40.6	38.6	58.0
91	11.0	41.7	62.5#
77	12.9	17.4	26.2#





#80
Naphthalene,2-methyl-
Concen: 0.168 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 8490

Ion	Ratio	Lower	Upper
142	100		
141	94.2	68.2	102.2
115	69.3	35.1	52.7#