Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032241.D
Acq On : 13 Jul 2018 7:35
Operator : SY/AP
Sample : J3753-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MIDDL

Quant Time: Jul 13 08:16:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 04:25:14 2018
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.84	49	1776376	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.38	114	3914404	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.33	117	4614953	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.67	95	3642068	10.19	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.90%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.06	51	17176	0.079	ppbv	#	82
4) Chloromethane	3.23	50	2761	0.022	ppbv	#	82
7) Chloroethane	3.67	64	3024	0.072	ppbv		97
9) Propene	3.08	41	7938	0.085	ppbv	#	15
10) Heptane	8.33	43	10106	0.038	ppbv	#	27
12) 1,1,2-Trichlorotrifluoroet	4.61	101	13695	0.088	ppbv	#	17
13) Ethanol	3.71	45	1613659	60.077	ppbv		96
15) Acetone	3.96	43	906185	4.396	ppbv		100
17) tert-Butyl alcohol	4.43	59	43196	0.449	ppbv	#	44
18) 1,1-Dichloroethene	4.42	96	11397	0.157	ppbv		90
19) Isopropyl Alcohol	4.09	45	787296	5.817	ppbv		99
20) Methylene Chloride	4.48	84	37553	0.538	ppbv		94
22) trans-1,2-Dichloroethene	5.04	96	8177	0.118	ppbv	#	82
23) Vinyl Acetate	5.22	43	57842	0.169	ppbv	#	65
24) 1,1-Dichloroethane	5.16	63	248975	1.034	ppbv		99
25) Ethyl Acetate	5.85	43	31850	0.078	ppbv	#	80
26) Hexane	5.86	57	38801	0.209	ppbv	#	64
32) 1,1,1-Trichloroethane	6.70	97	2604763	9.344	ppbv		99
34) 2-Butanone	5.41	43	156566	0.587	ppbv		100
36) Benzene	7.09	78	9159	0.024	ppbv	#	71
37) 1,2-Dichloroethane	6.70	62	183682	0.862	ppbv	#	1
39) 1,2-Dichloropropane	7.37	63	1064422	6.885	ppbv	#	27
44) 2,2,4-Trimethylpentane	8.07	57	54746	0.082	ppbv	#	1
53) Toluene	10.04	91	204559	0.445	ppbv		99
58) Ethyl Benzene	12.95	91	54711	0.081	ppbv	#	84
59) m/p-Xylene	13.23	91	63964	0.116	ppbv	#	31
60) o-Xylene	13.94	91	67887	0.124	ppbv		97
69) p-Isopropyltoluene	17.90	119	134388	0.184	ppbv		98
72) 4-Ethyltoluene	16.09	105	22920	0.037	ppbv	#	90
73) 1,3,5-Trimethylbenzene	16.25	105	14980	0.026	ppbv	#	73
74) 1,2,4-Trimethylbenzene	17.01	105	48725	0.084	ppbv	#	70
75) 1,3-Dichlorobenzene	17.26	146	82668	0.238	ppbv	#	22
80) Naphthalene,2-methyl-	25.20	142	5620	0.045	ppbv	#	90

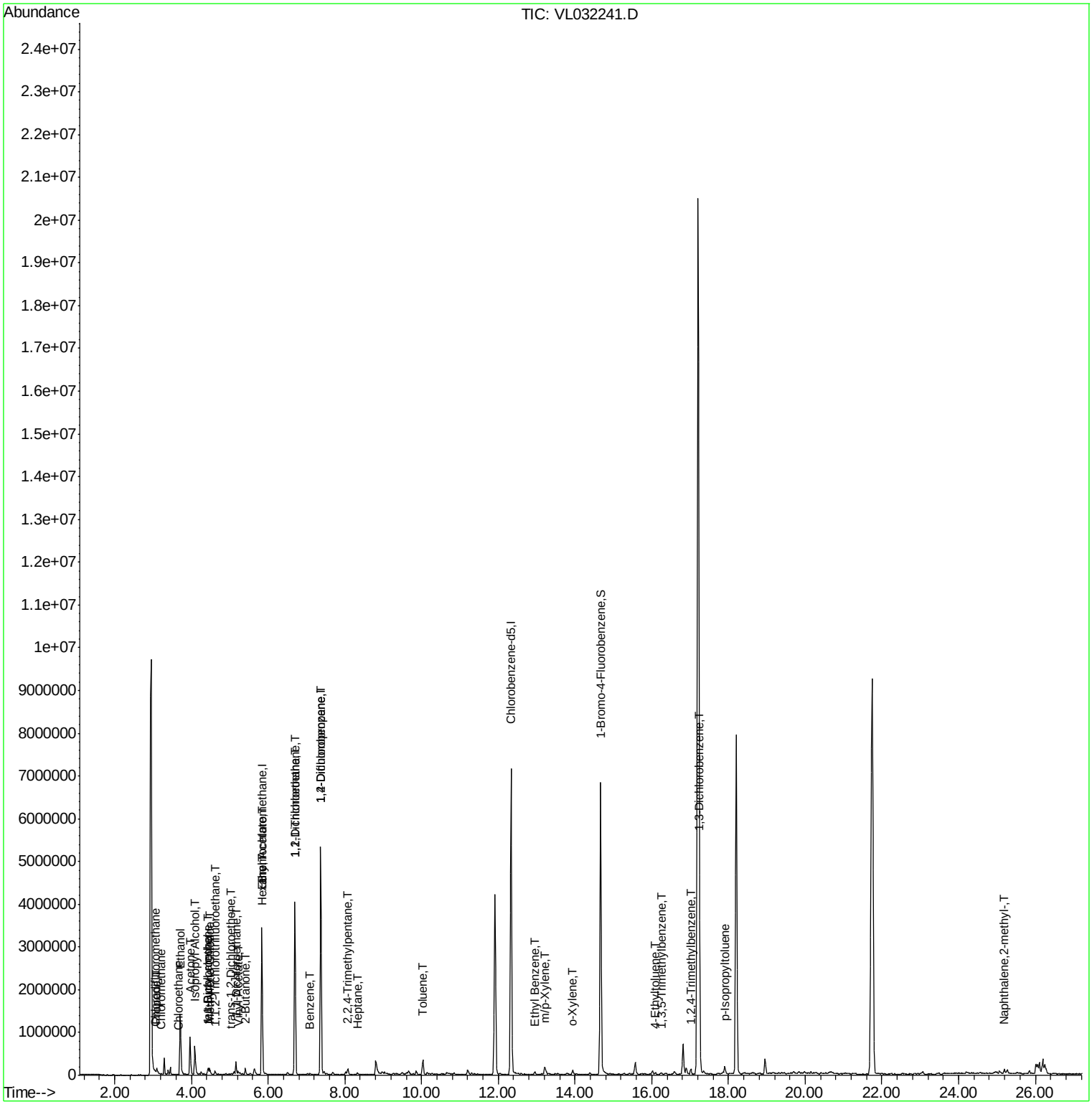
(#) = qualifier out of range (m) = manual integration (+) = signals summed

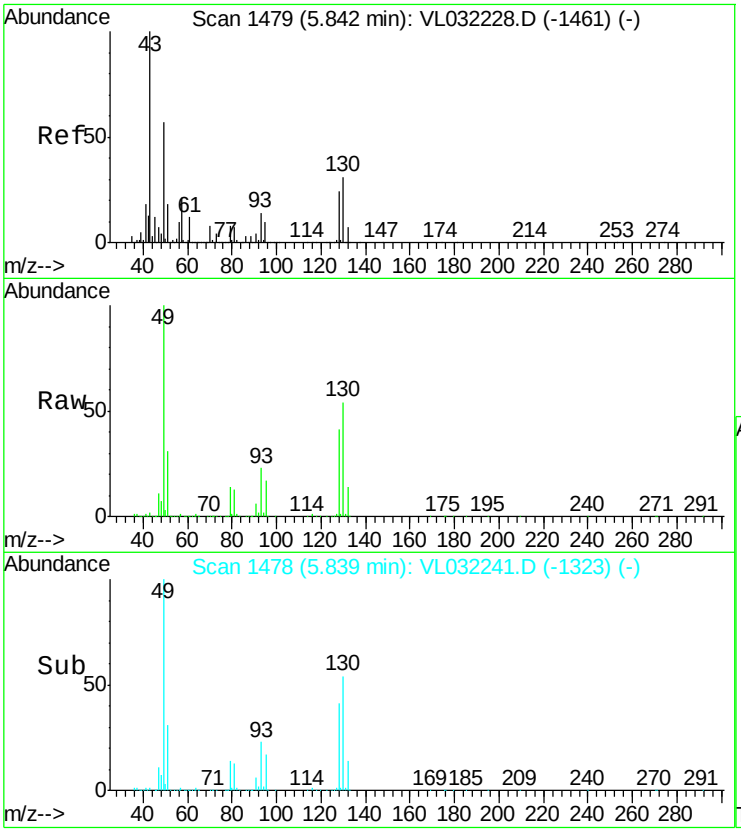
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032241.D
Acq On : 13 Jul 2018 7:35
Operator : SY/AP
Sample : J3753-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MIDDL

Quant Time: Jul 13 08:16:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 04:25:14 2018
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration



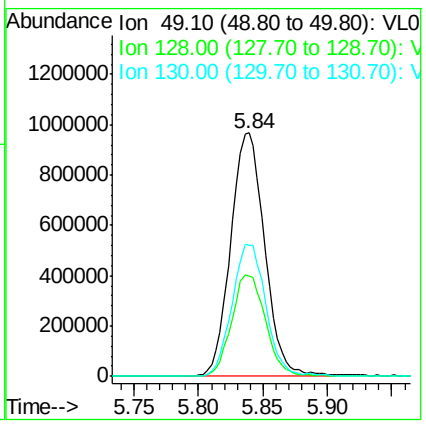


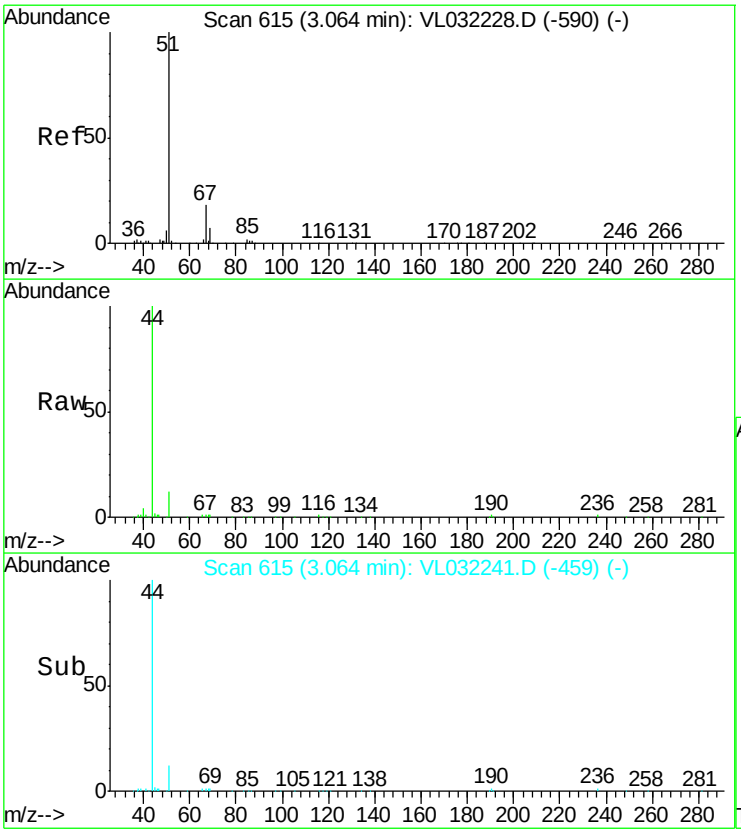
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 49 Resp: 1776376

Ion	Ratio	Lower	Upper
49	100		
128	41.7	20.9	62.8
130	54.5	27.0	81.0

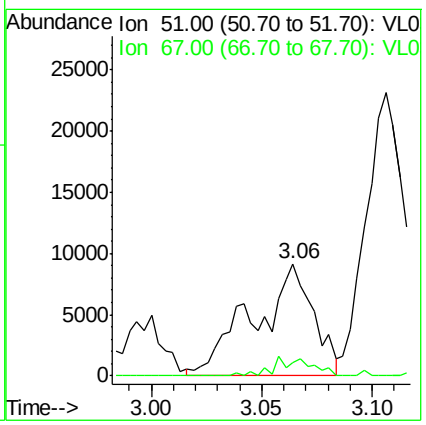


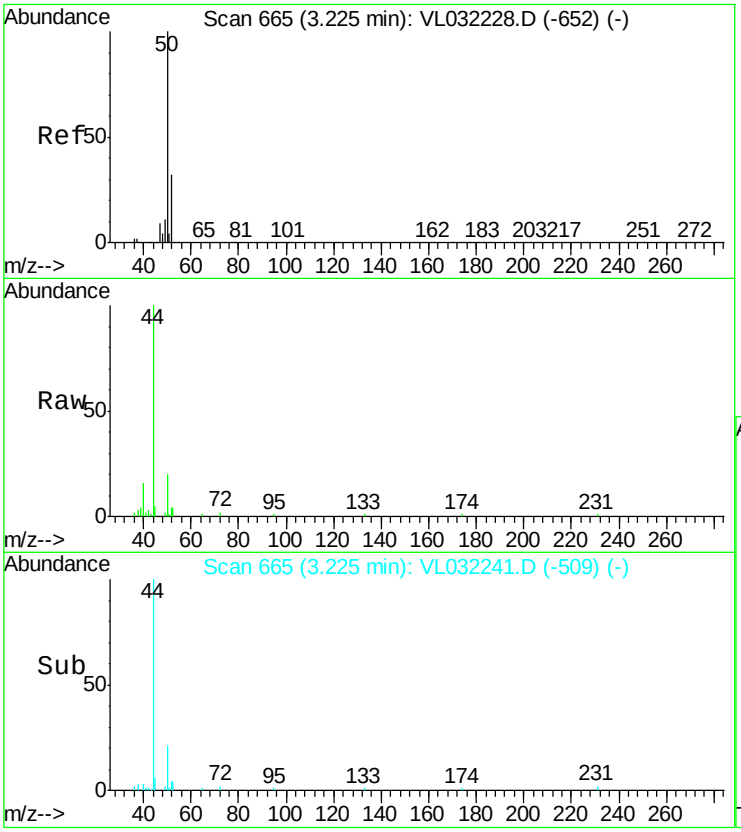


#3
Chlorodifluoromethane
Concen: 0.079 ppbv
RT: 3.06 min Scan# 615
Delta R.T. 0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 51 Resp: 17176

Ion	Ratio	Lower	Upper
51	100		
67	10.2	14.6	22.0#



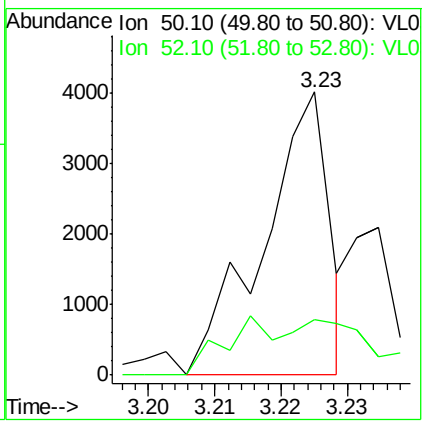


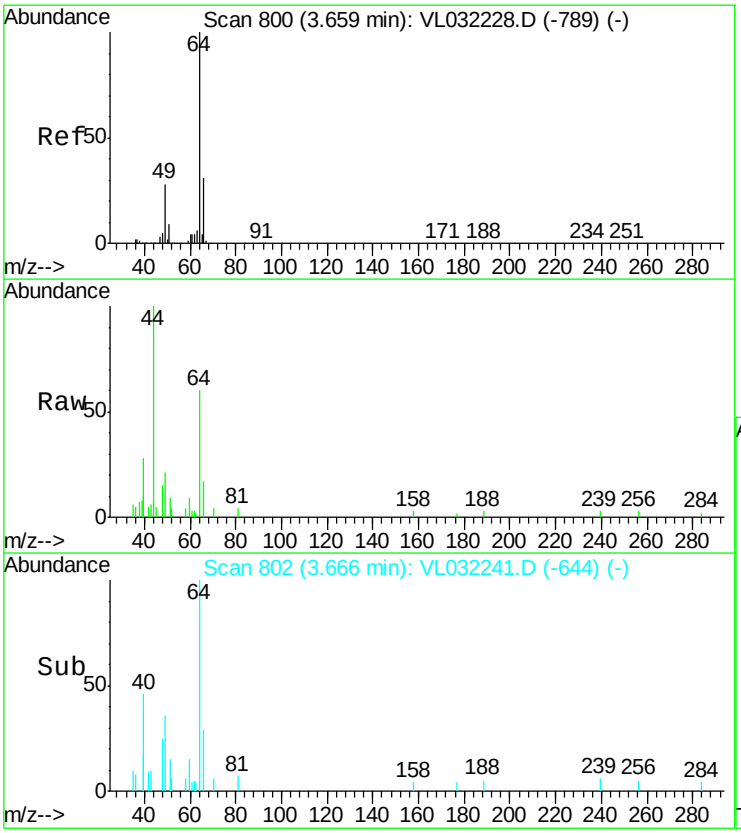
#4
Chloromethane
Concen: 0.022 ppbv
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 50 Resp: 2761

Ion	Ratio	Lower	Upper
50	100		
52	21.9	25.7	38.5#

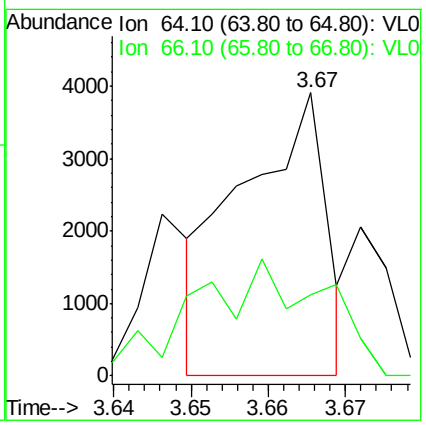


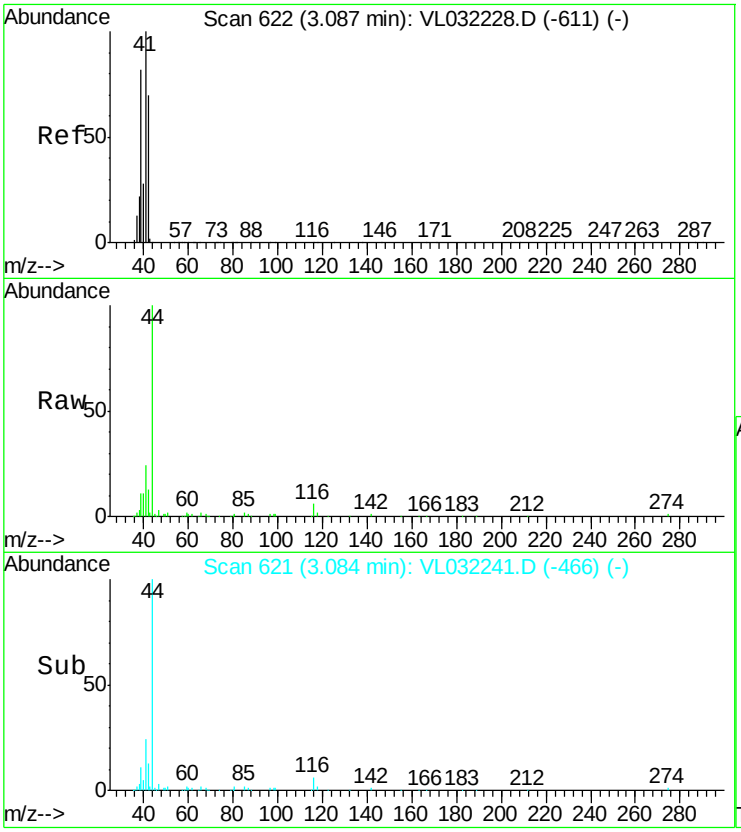


#7
Chloroethane
Concen: 0.072 ppbv
RT: 3.67 min Scan# 802
Delta R.T. 0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 64 Resp: 3024

Ion	Ratio	Lower	Upper
64	100		
66	28.8	24.4	36.6



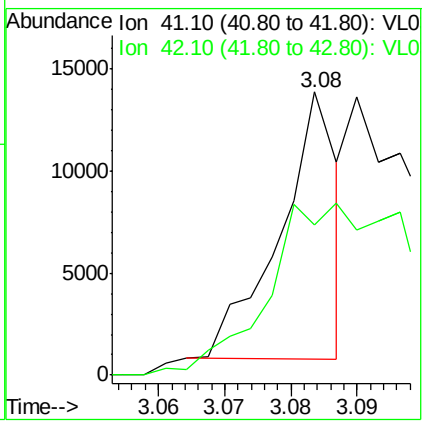


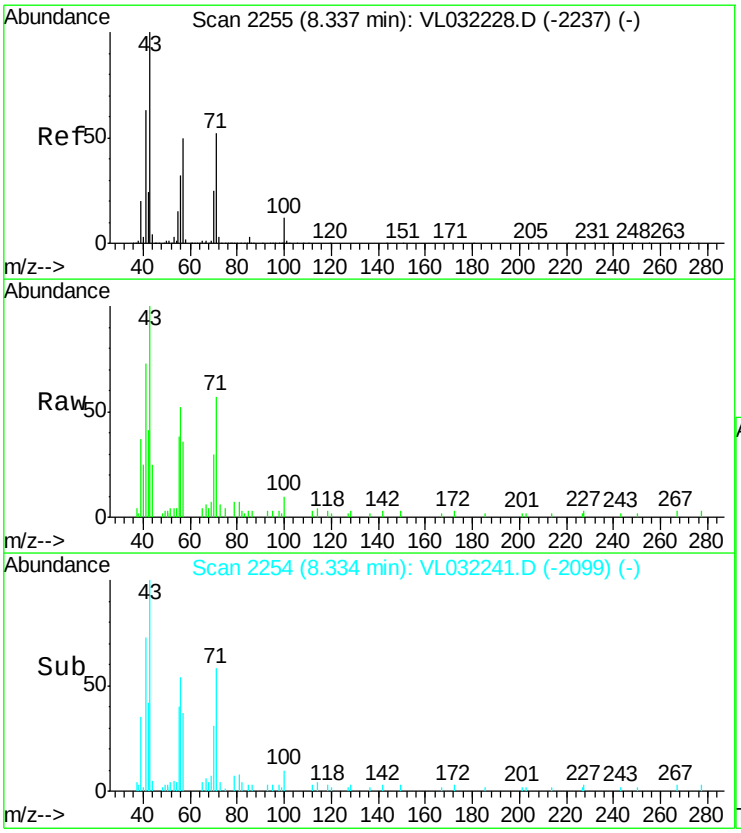
#9
Propene
Concen: 0.085 ppbv
RT: 3.08 min Scan# 621
Delta R.T. -0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument : MSVOA_L
ClientSampleId : MIDDL

Tgt Ion: 41 Resp: 7938

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4#

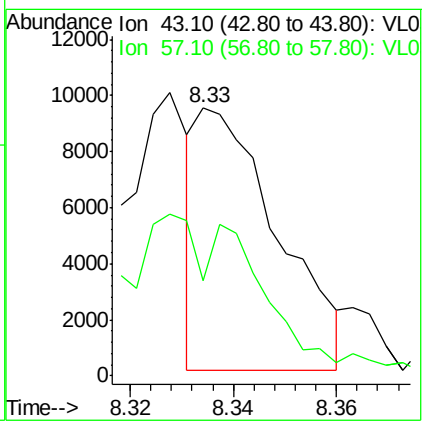


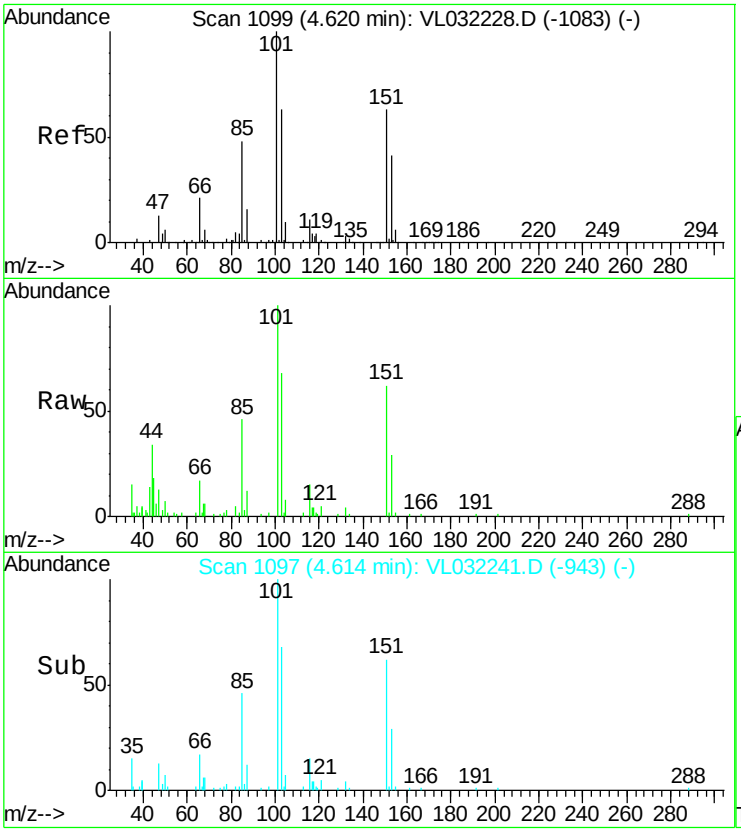


#10
Heptane
Concen: 0.038 ppbv
RT: 8.33 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 43 Resp: 10106

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.7	61.1#



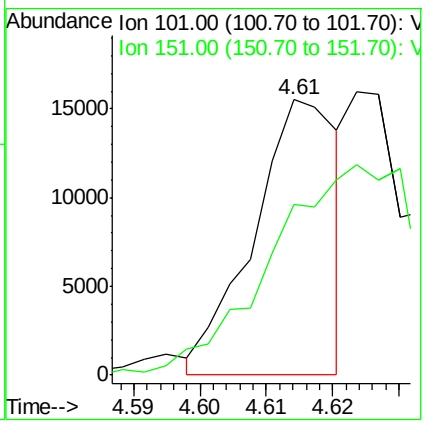


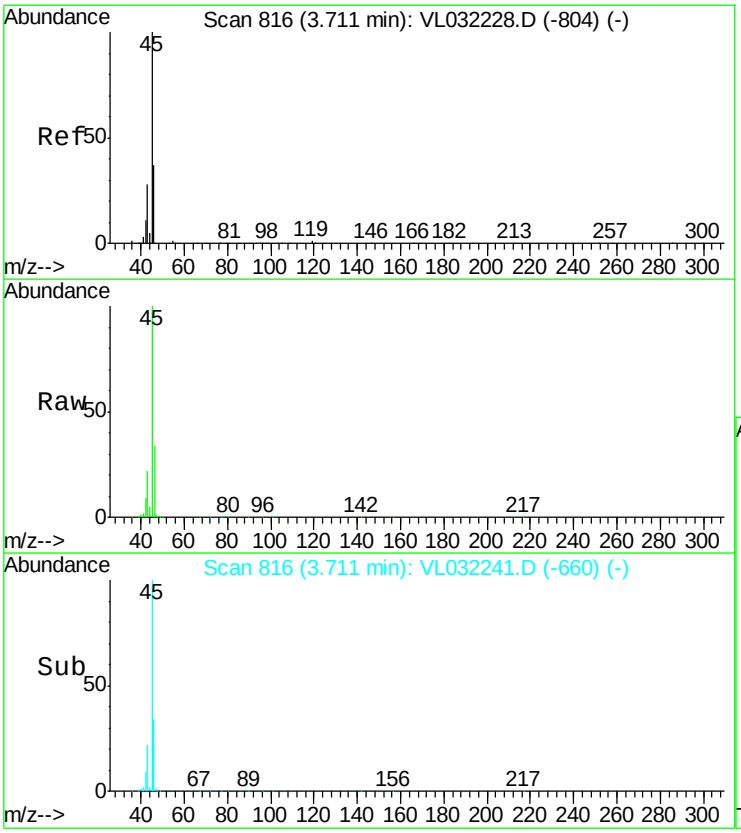
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.088 ppbv
RT: 4.61 min Scan# 1097
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument : MSVOA_L
ClientSampleId : MIDDL

Tgt Ion:101 Resp: 13695

Ion	Ratio	Lower	Upper
101	100		
151	0.0	52.2	78.2#

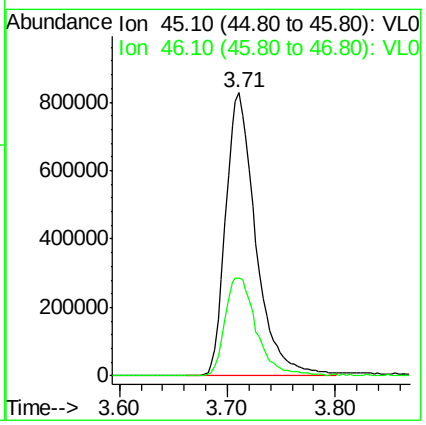


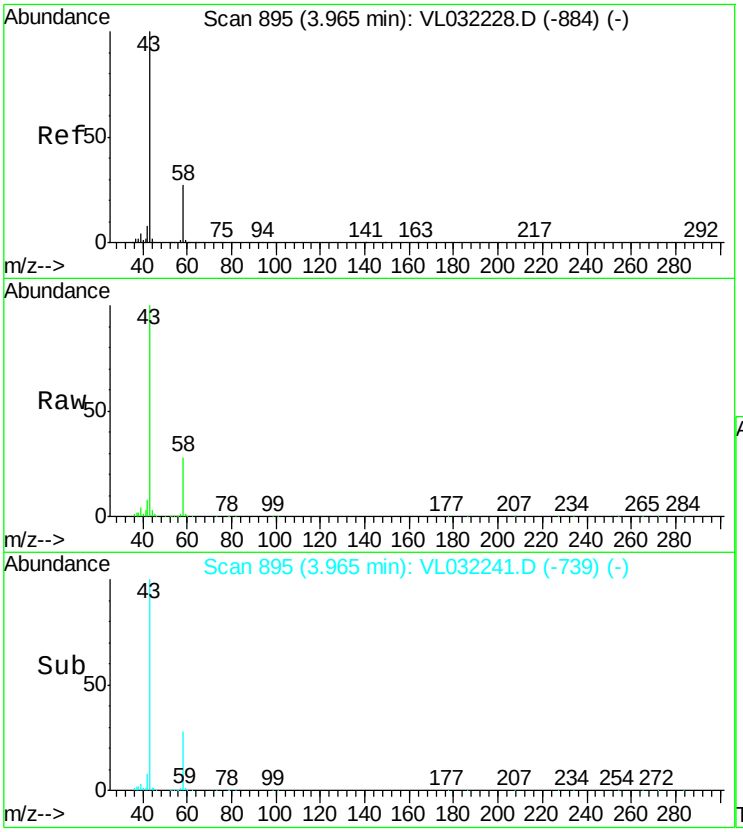


#13
Ethanol
Concen: 60.077 ppbv
RT: 3.71 min Scan# 816
Delta R.T. 0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 45 Resp: 1613659

Ion	Ratio	Lower	Upper
45	100		
46	36.4	15.5	61.9



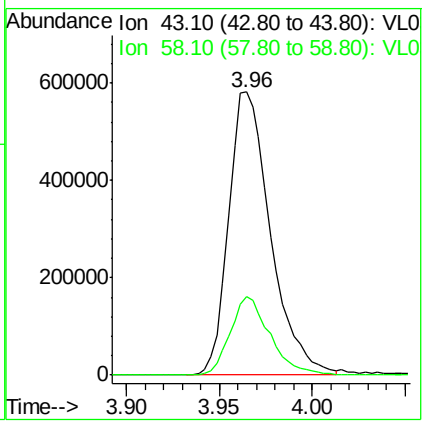


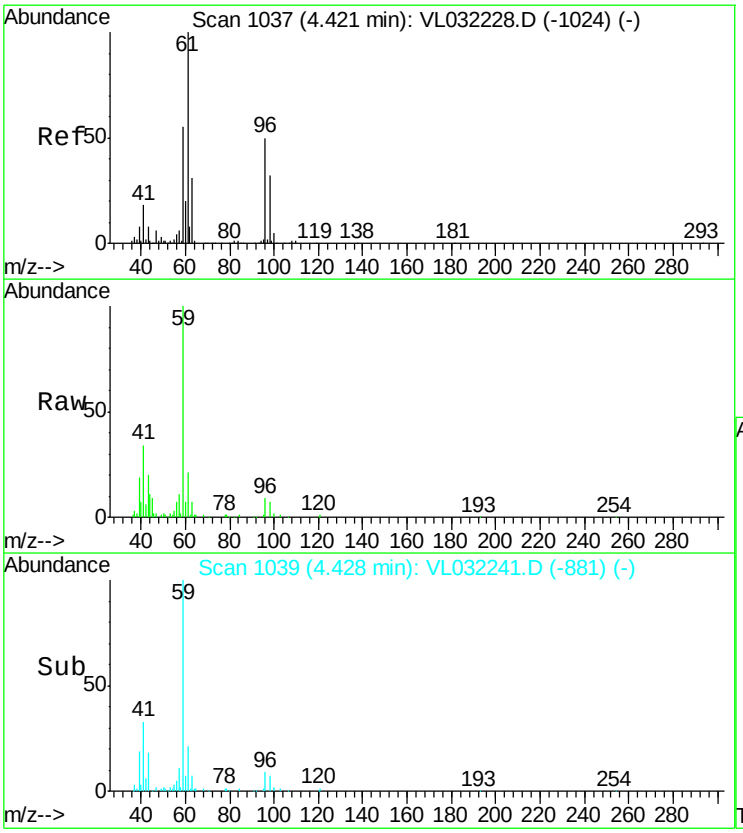
#15
Acetone
Concen: 4.396 ppbv
RT: 3.96 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 43 Resp: 906185

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.5	32.3

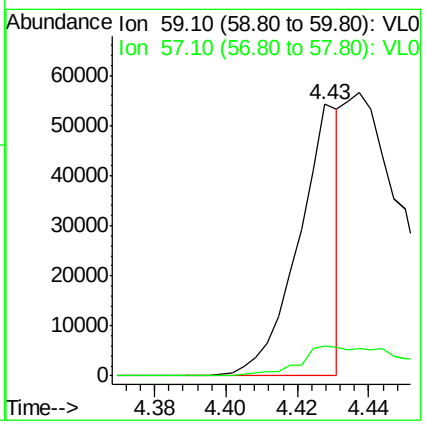


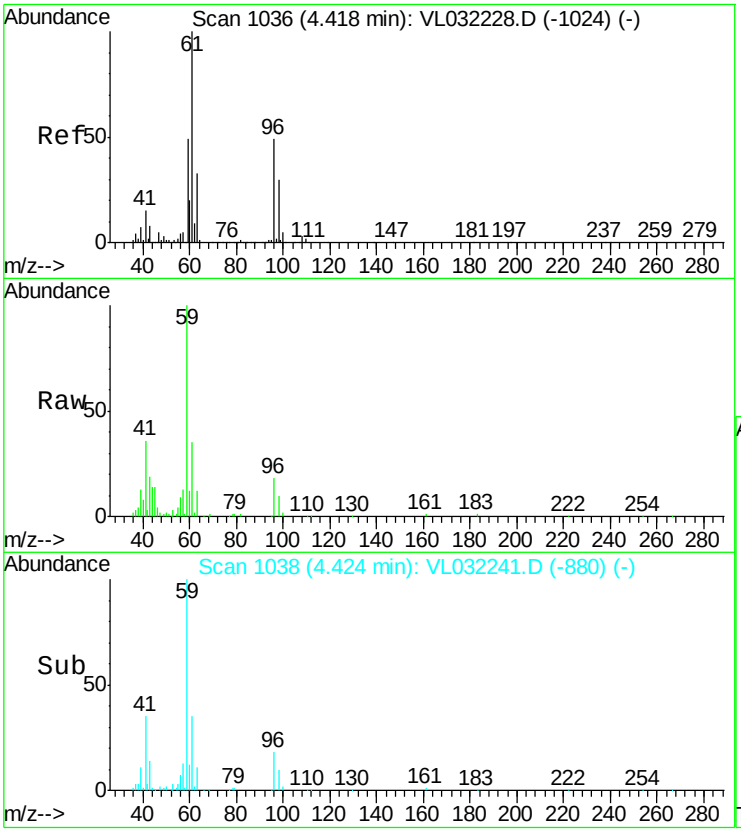


#17
tert-Butyl alcohol
Concen: 0.449 ppbv
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 59 Resp: 43196

Ion	Ratio	Lower	Upper
59	100		
57	31.5	8.4	12.6#



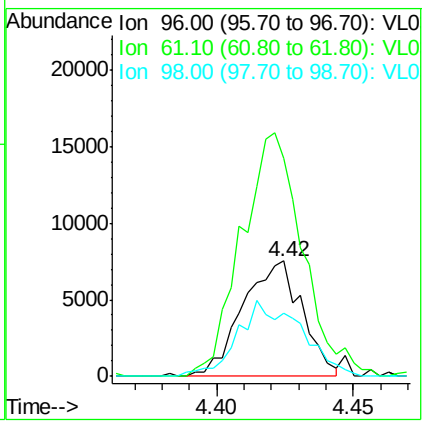


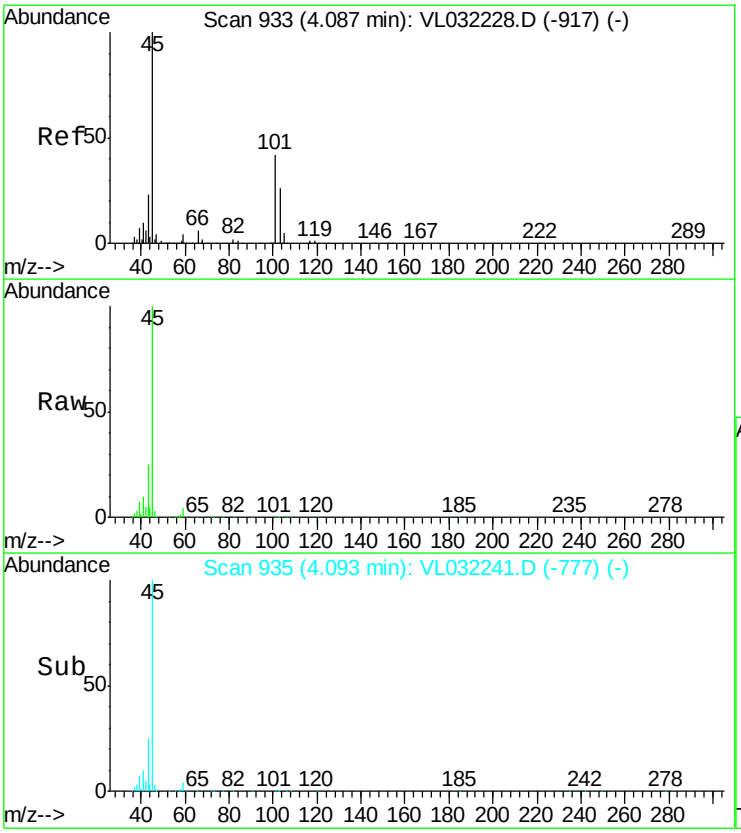
#18
1,1-Dichloroethene
Concen: 0.157 ppbv
RT: 4.42 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument : MSVOA_L
ClientSampleId : MIDDL

Tgt Ion: 96 Resp: 11397

Ion	Ratio	Lower	Upper
96	100		
61	189.1	163.0	244.4
98	51.5	48.5	72.7

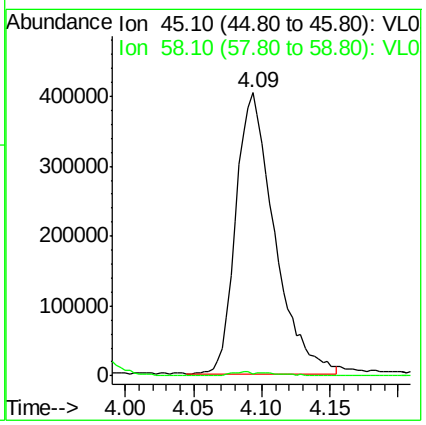


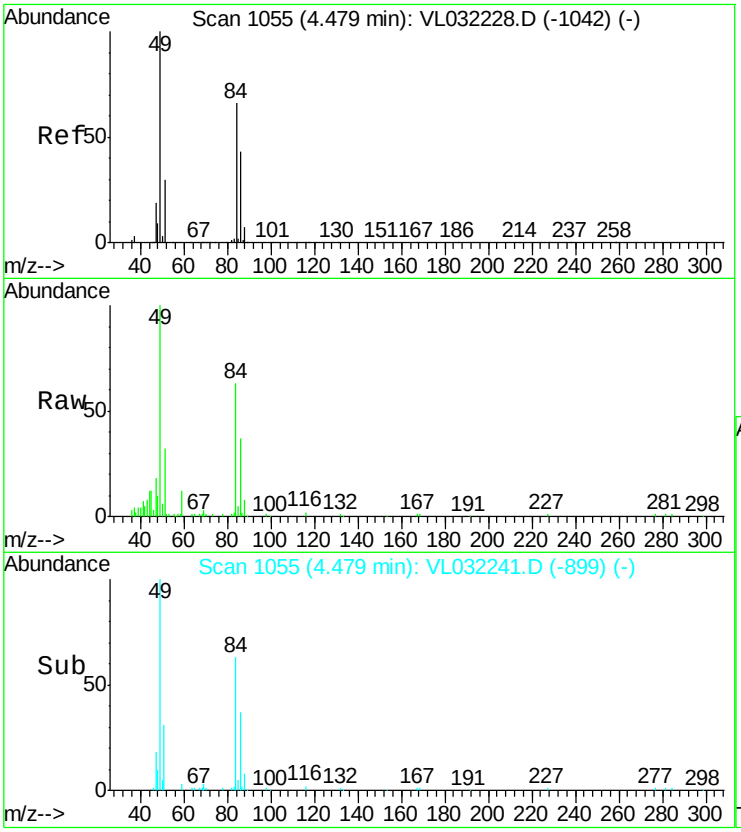


#19
Isopropyl Alcohol
Concen: 5.817 ppbv
RT: 4.09 min Scan# 935
Delta R.T. 0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 45 Resp: 787296

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.3	1.9



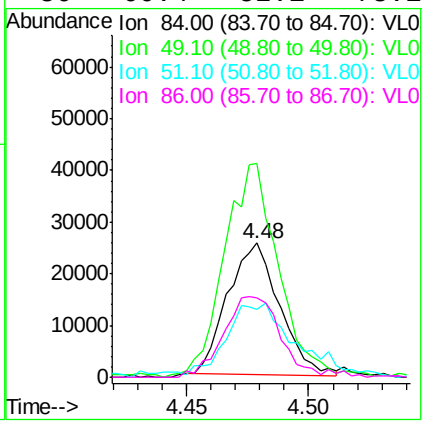


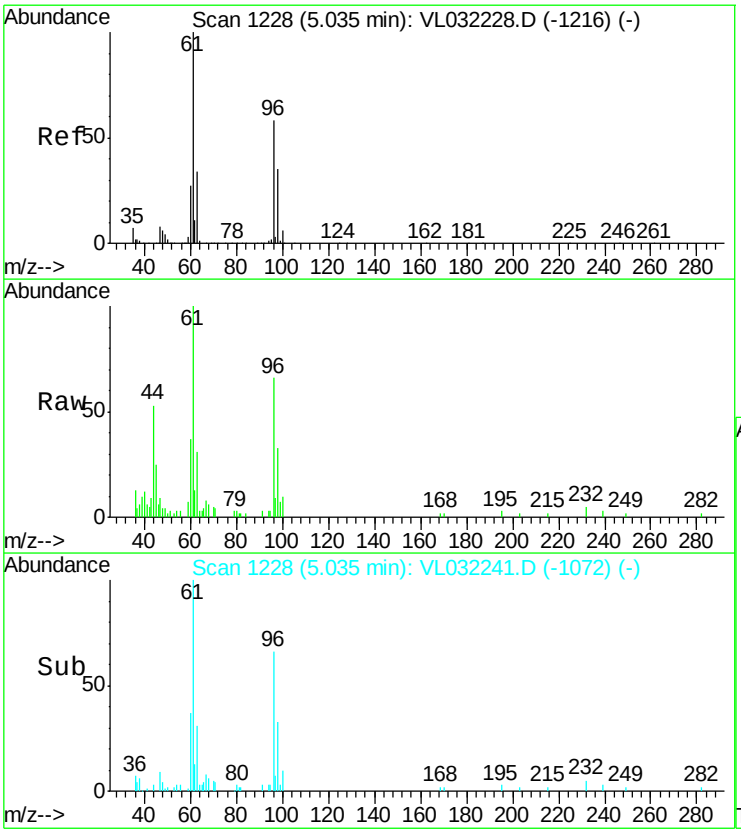
#20
Methylene Chloride
Concen: 0.538 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 84 Resp: 37553

Ion	Ratio	Lower	Upper
84	100		
49	160.6	121.8	182.6
51	49.9	36.3	54.5
86	60.4	52.1	78.1

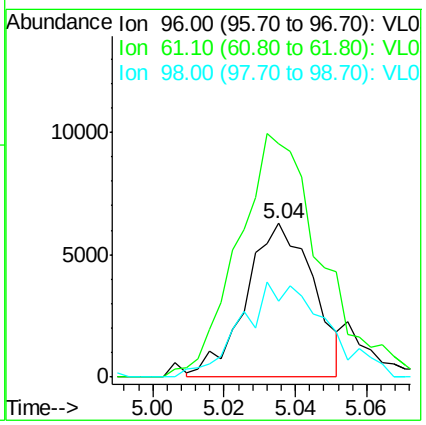


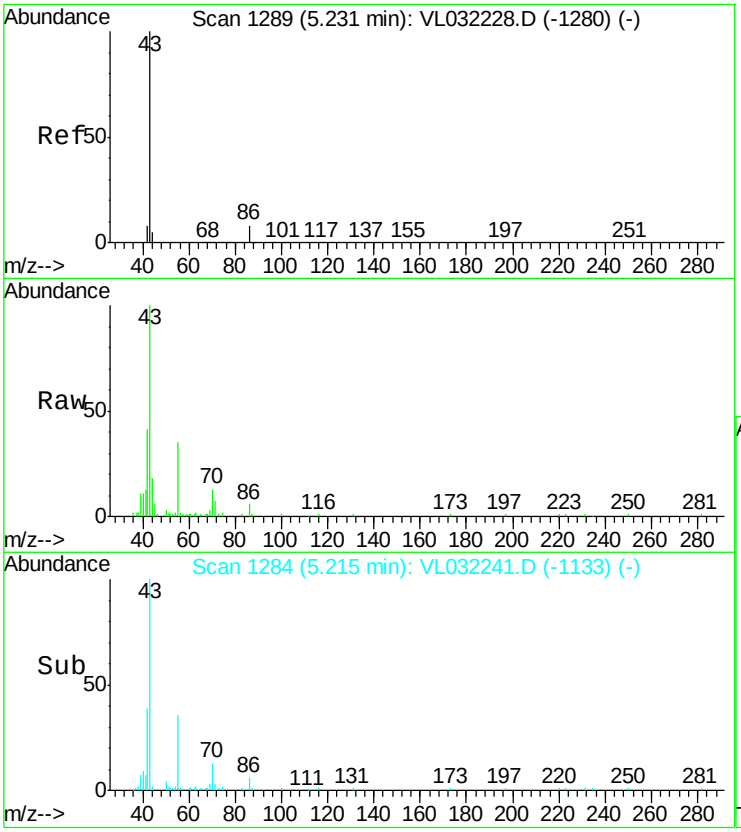


#22
trans-1,2-Dichloroethene
Concen: 0.118 ppbv
RT: 5.04 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 96 Resp: 8177

Ion	Ratio	Lower	Upper
96	100		
61	149.5	139.1	208.7
98	45.5	48.4	72.6#



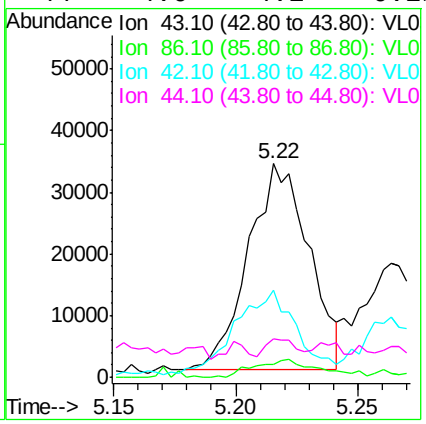


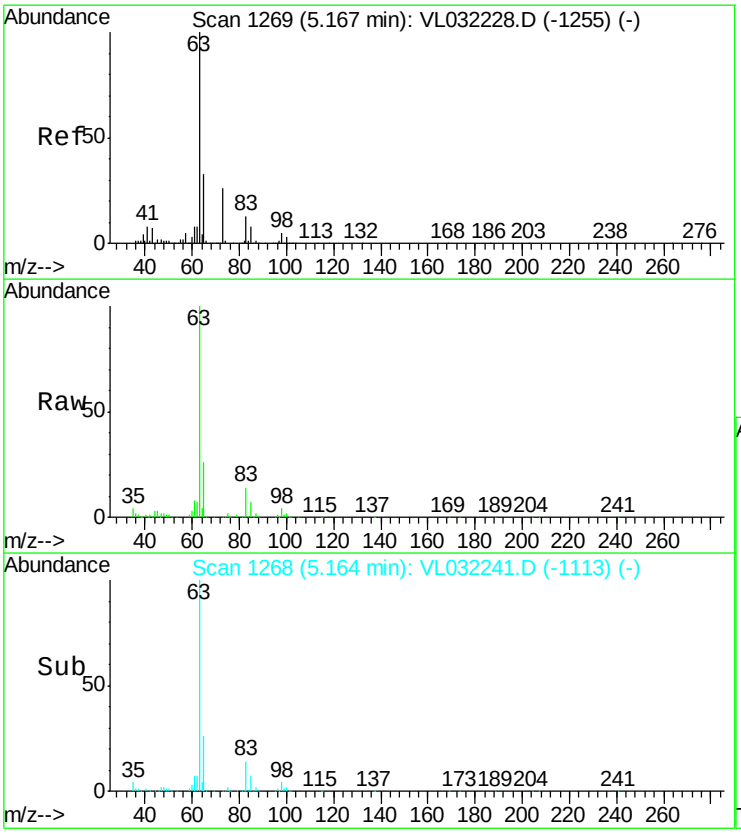
#23
Vinyl Acetate
Concen: 0.169 ppbv
RT: 5.22 min Scan# 1284
Delta R.T. -0.02 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument : MSVOA_L
ClientSampleId : MIDDL

Tgt Ion: 43 Resp: 57842

Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.9	8.9
42	37.7	7.0	10.6#
44	4.0	4.2	6.2#

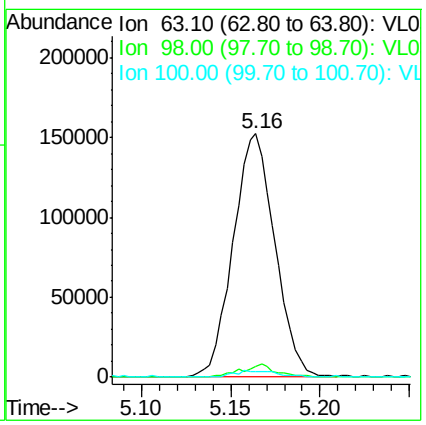


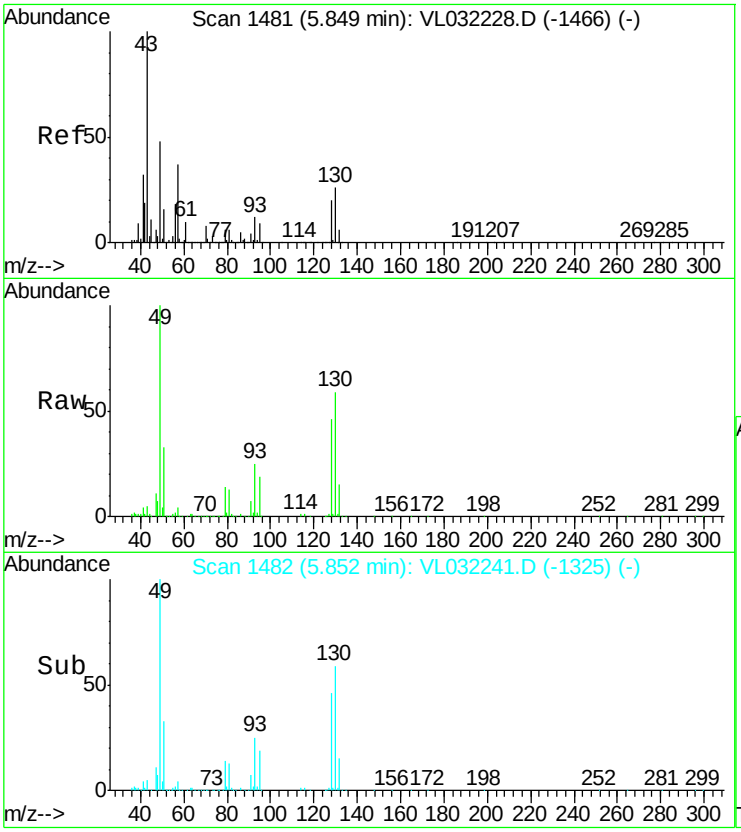


#24
1,1-Dichloroethane
Concen: 1.034 ppbv
RT: 5.16 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 63 Resp: 248975

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.1
100	2.5	1.5	4.4



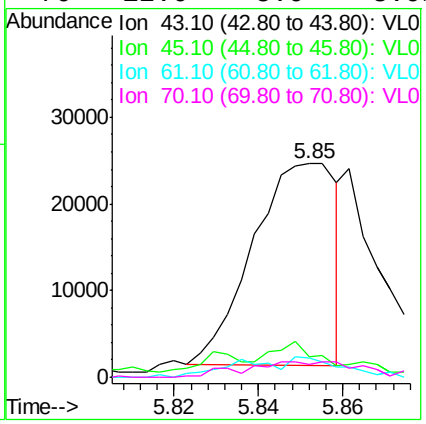


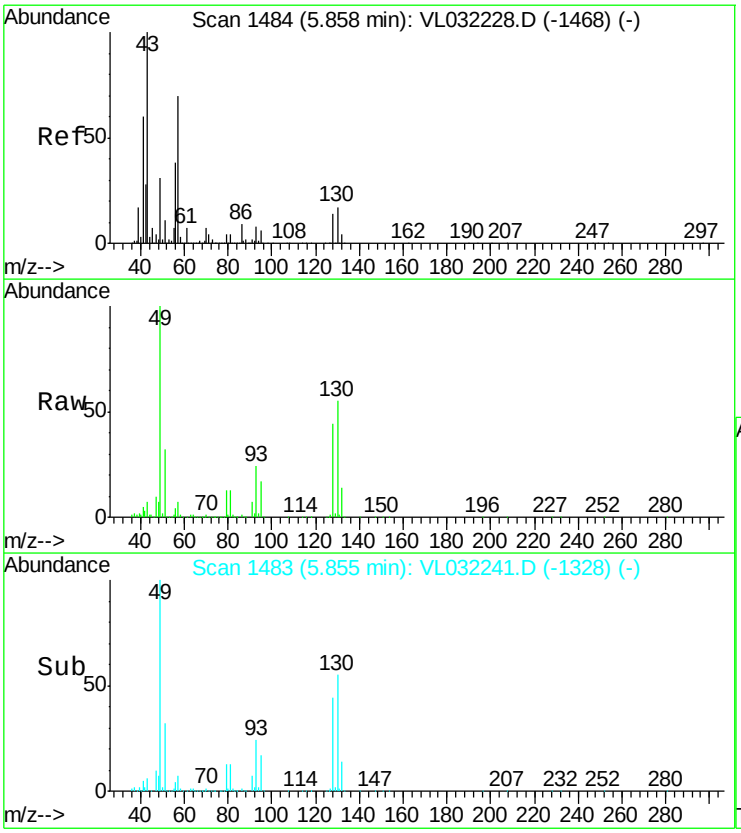
#25
Ethyl Acetate
Concen: 0.078 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument : MSVOA_L
ClientSampleId : MIDDL

Tgt Ion: 43 Resp: 31850

Ion	Ratio	Lower	Upper
43	100		
45	22.6	8.0	12.0#
61	13.0	7.7	11.5#
70	12.0	5.9	8.9#

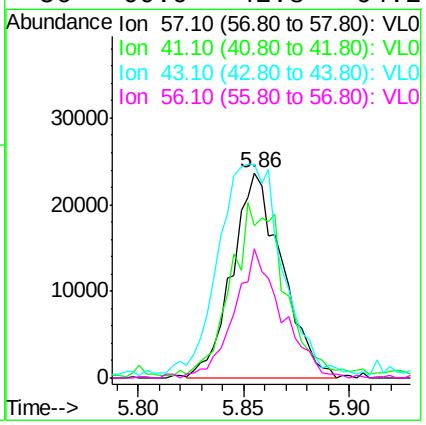


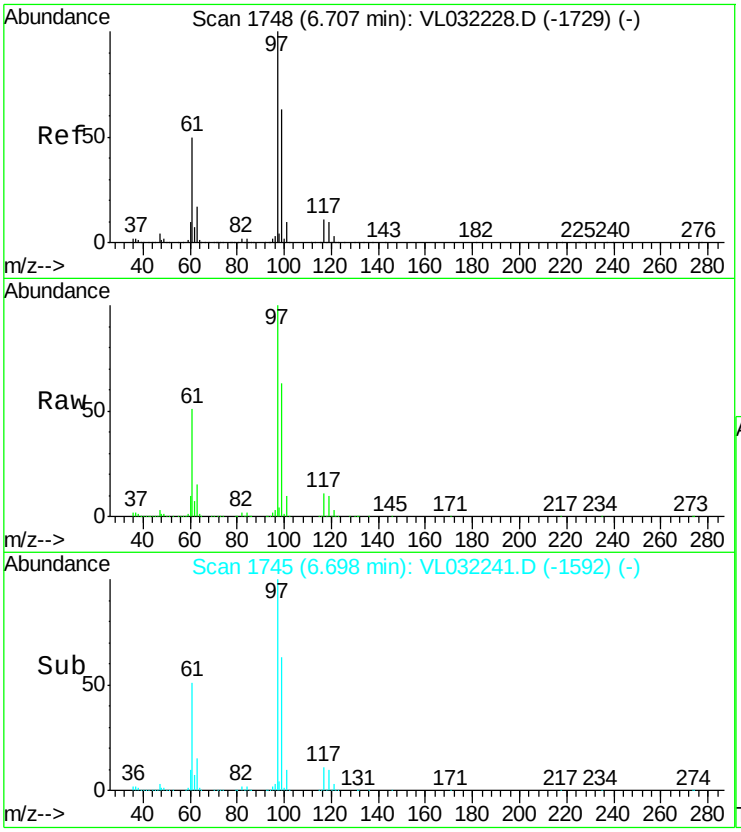


#26
Hexane
Concen: 0.209 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 57 Resp: 38801

Ion	Ratio	Lower	Upper
57	100		
41	91.0	68.7	103.1
43	133.7	176.2	264.2#
56	60.9	42.8	64.2



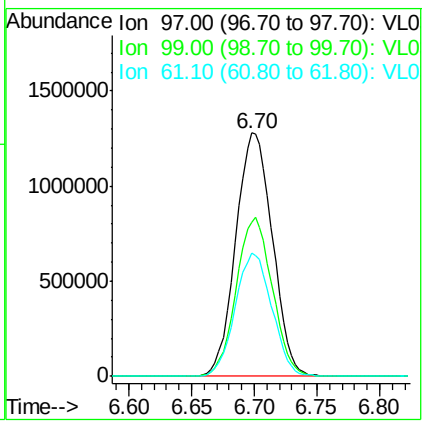


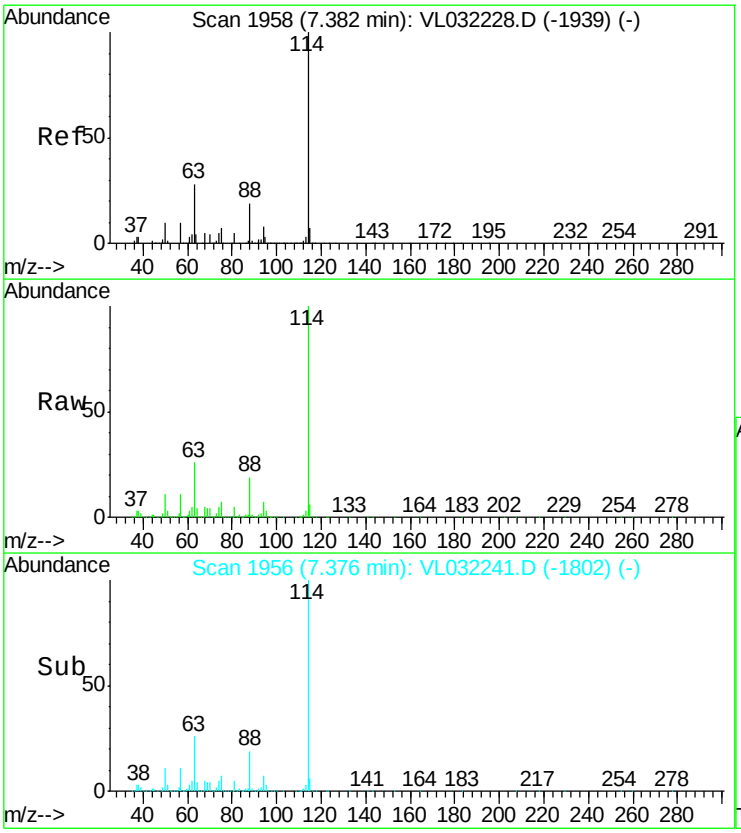
#32
1,1,1-Trichloroethane
Concen: 9.344 ppbv
RT: 6.70 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 97 Resp: 2604763

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	50.5	41.3	61.9

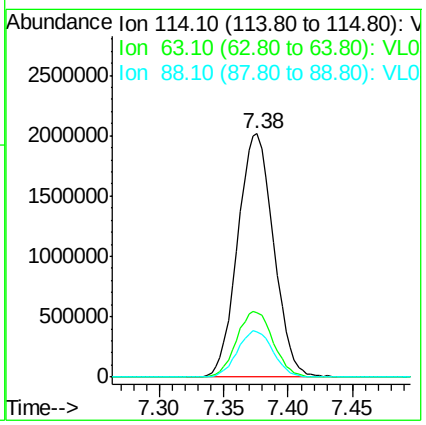


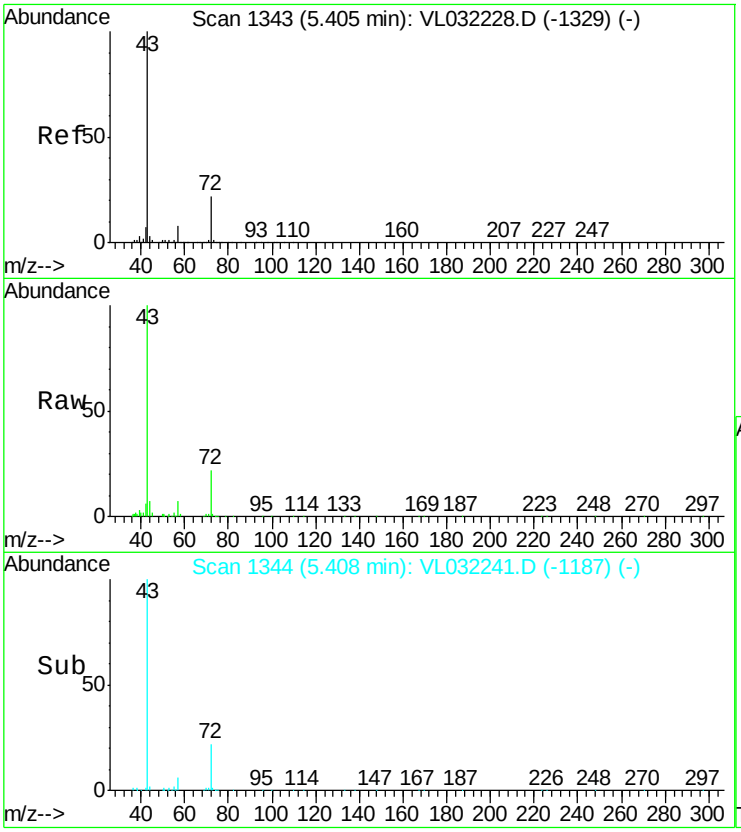


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1956
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion:114 Resp: 3914404

Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.5	33.7
88	18.9	15.4	23.0



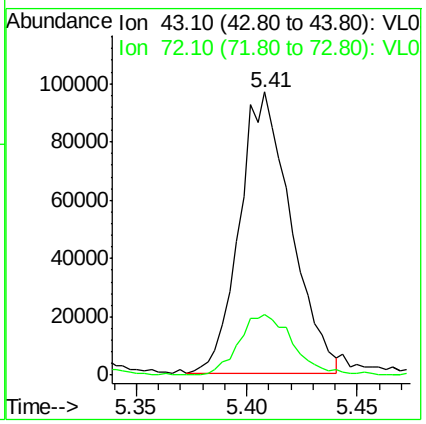


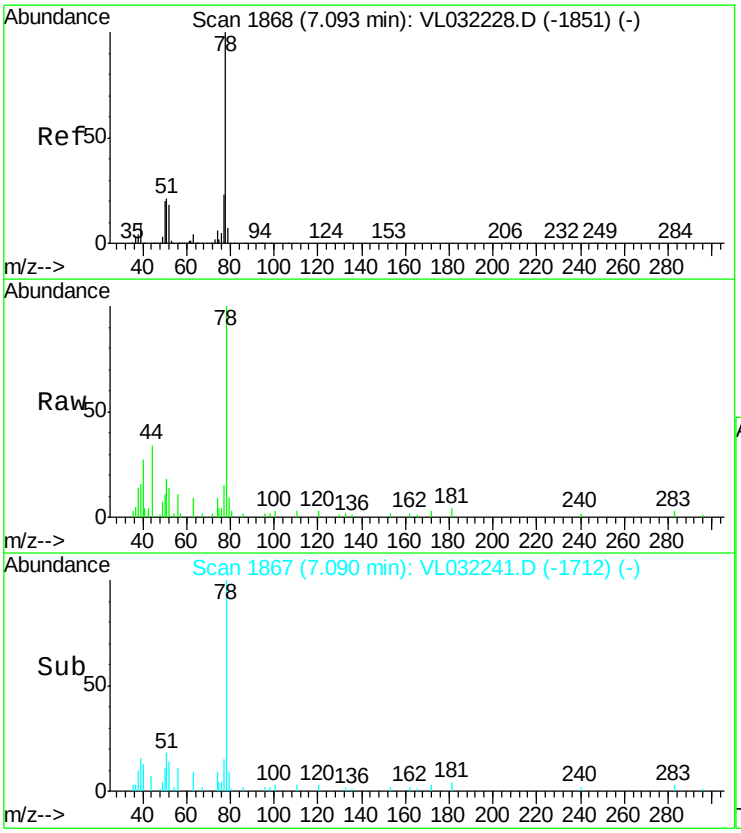
#34
2-Butanone
Concen: 0.587 ppbv
RT: 5.41 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 43 Resp: 156566

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.1	27.1

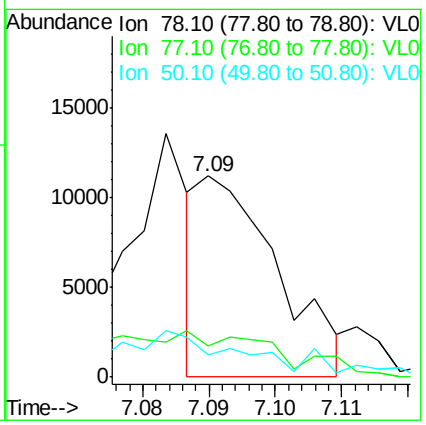


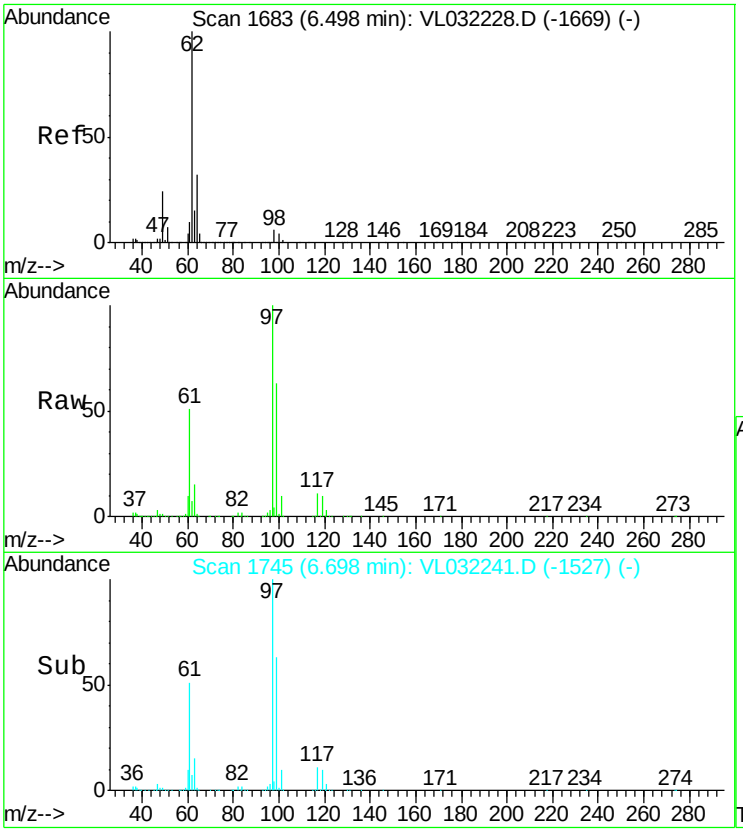


#36
Benzene
Concen: 0.024 ppbv
RT: 7.09 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 78 Resp: 9159

Ion	Ratio	Lower	Upper
78	100		
77	5.8	18.0	27.0#
50	9.0	15.8	23.8#



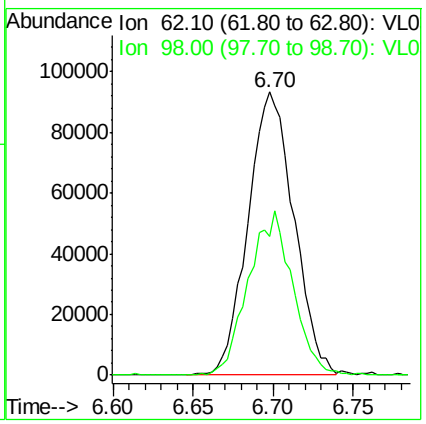


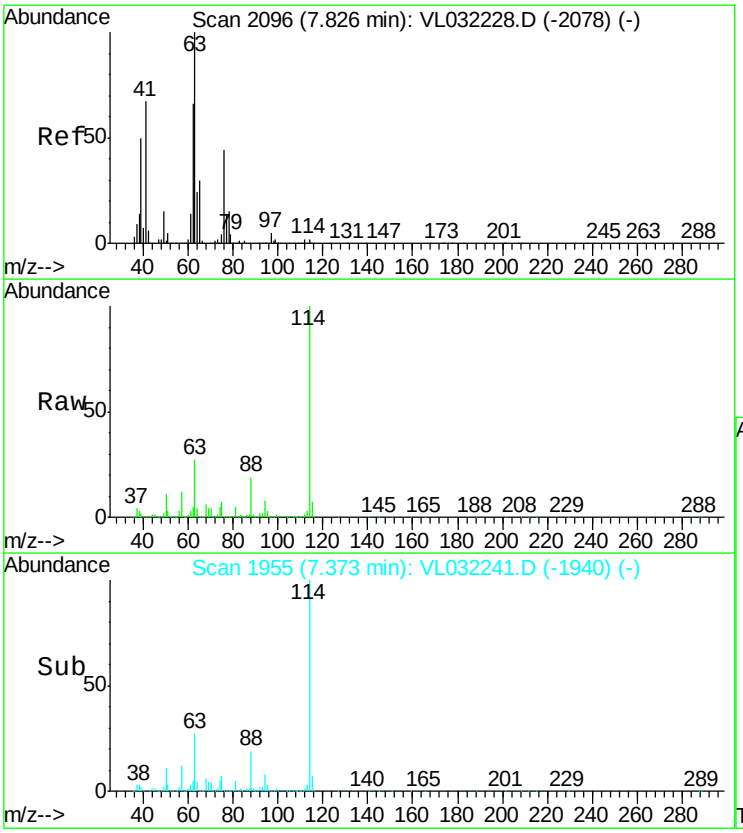
#37
1,2-Dichloroethane
Concen: 0.862 ppbv
RT: 6.70 min Scan# 1745
Delta R.T. 0.20 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 62 Resp: 183682

Ion	Ratio	Lower	Upper
62	100		
98	55.7	4.6	7.0#

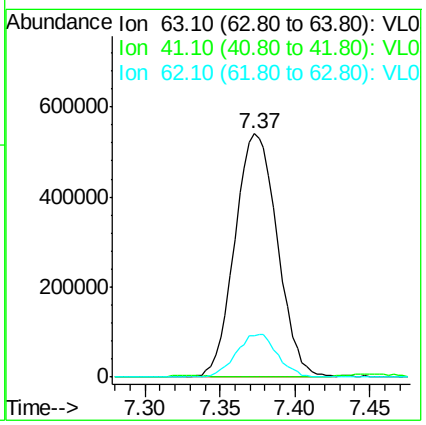


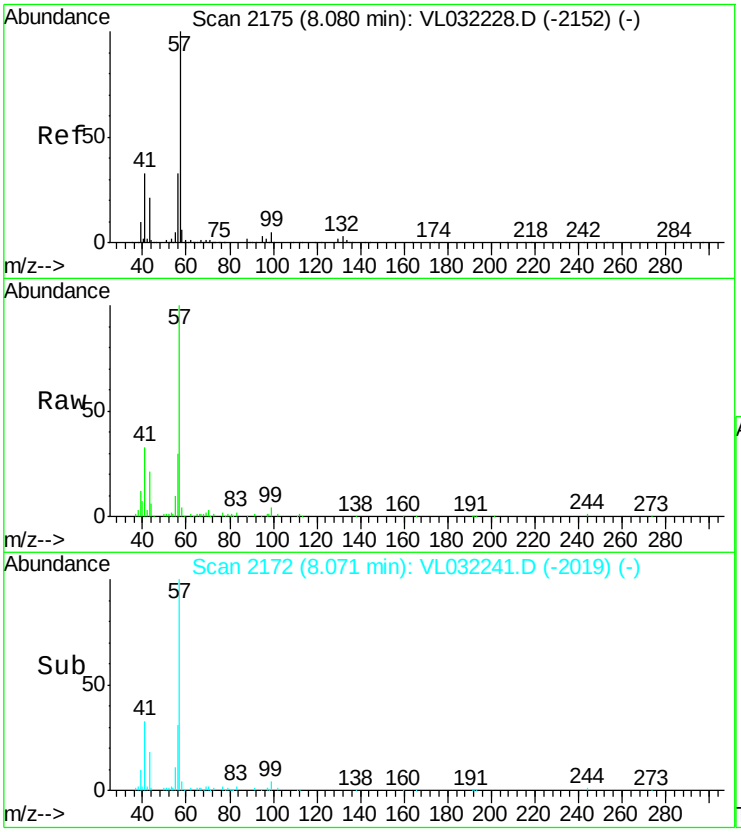


#39
1,2-Dichloropropane
Concen: 6.885 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.45 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 63 Resp: 1064422

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.8	80.6#
62	17.0	53.1	79.7#



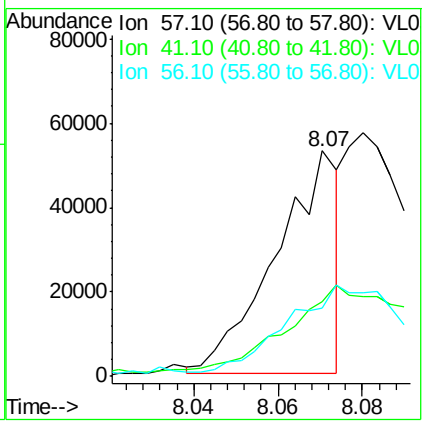


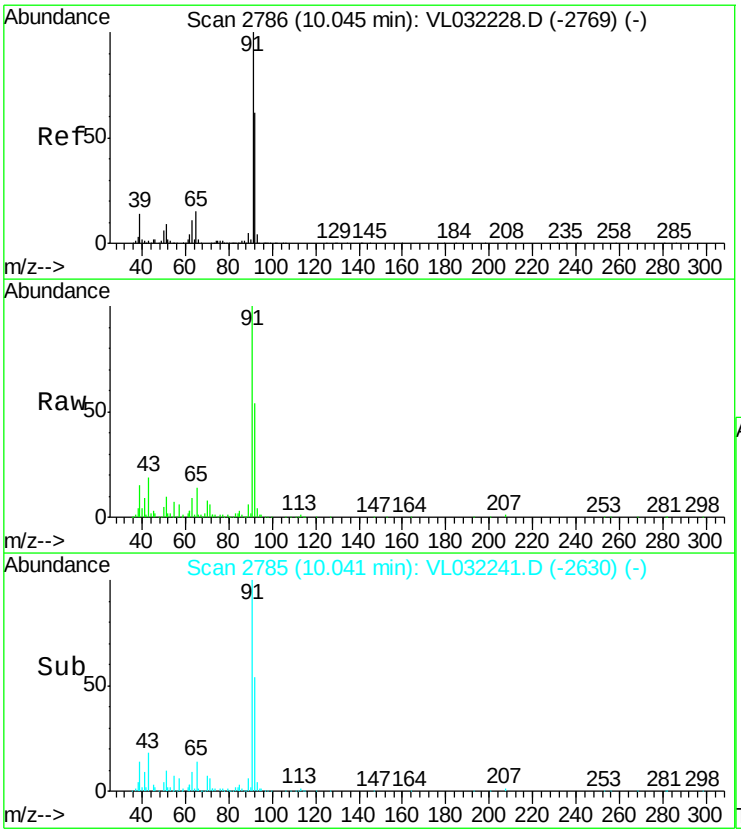
#44
2,2,4-Trimethylpentane
Concen: 0.082 ppbv
RT: 8.07 min Scan# 2172
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument : MSVOA_L
ClientSampleId : MIDDL

Tgt Ion: 57 Resp: 54746

Ion	Ratio	Lower	Upper
57	100		
41	89.1	24.7	37.1#
56	88.6	25.4	38.0#

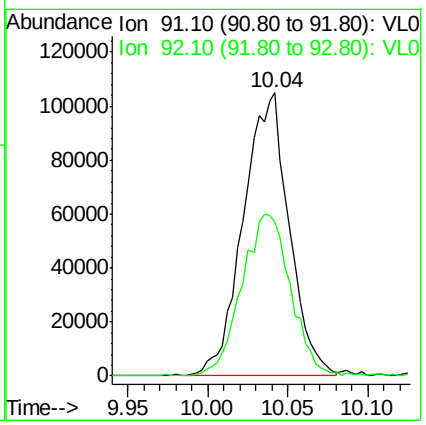


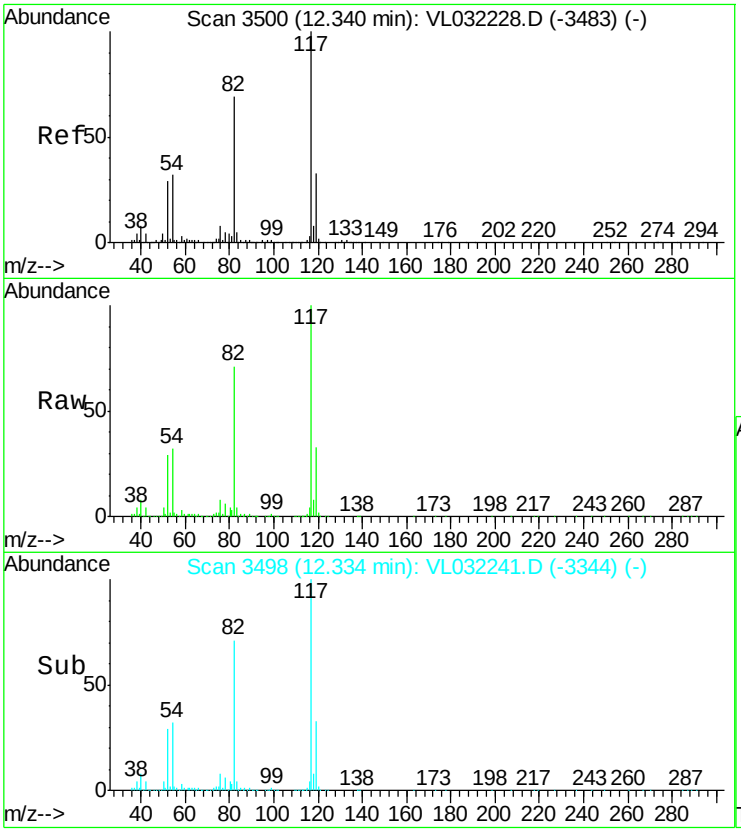


#53
Toluene
Concen: 0.445 ppbv
RT: 10.04 min Scan# 2785
Delta R.T. -0.00 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 91 Resp: 204559

Ion	Ratio	Lower	Upper
91	100		
92	62.2	49.0	73.4



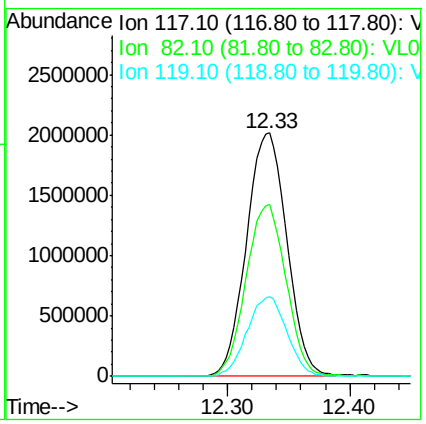


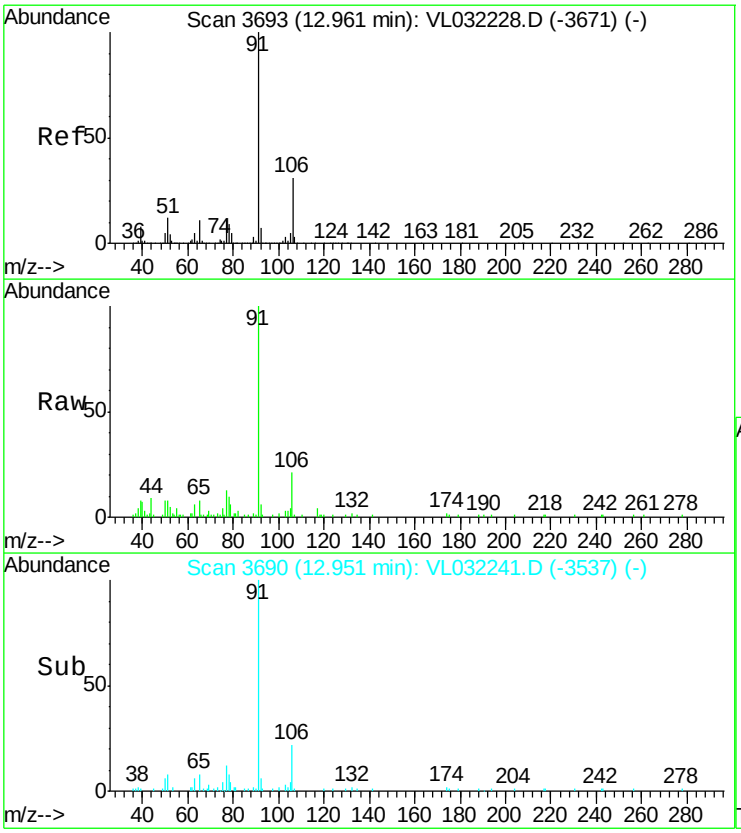
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument : MSVOA_L
ClientSampleId : MIDDL

Tgt Ion:117 Resp: 4614953

Ion	Ratio	Lower	Upper
117	100		
82	70.5	53.2	79.8
119	32.7	43.9	65.9#

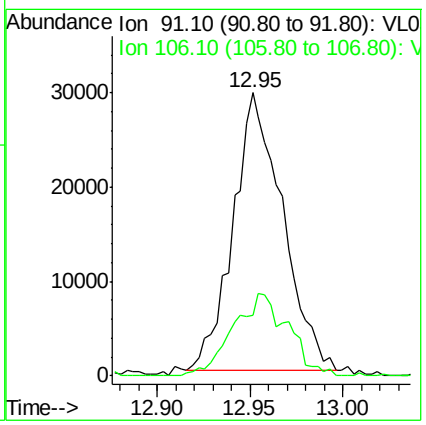


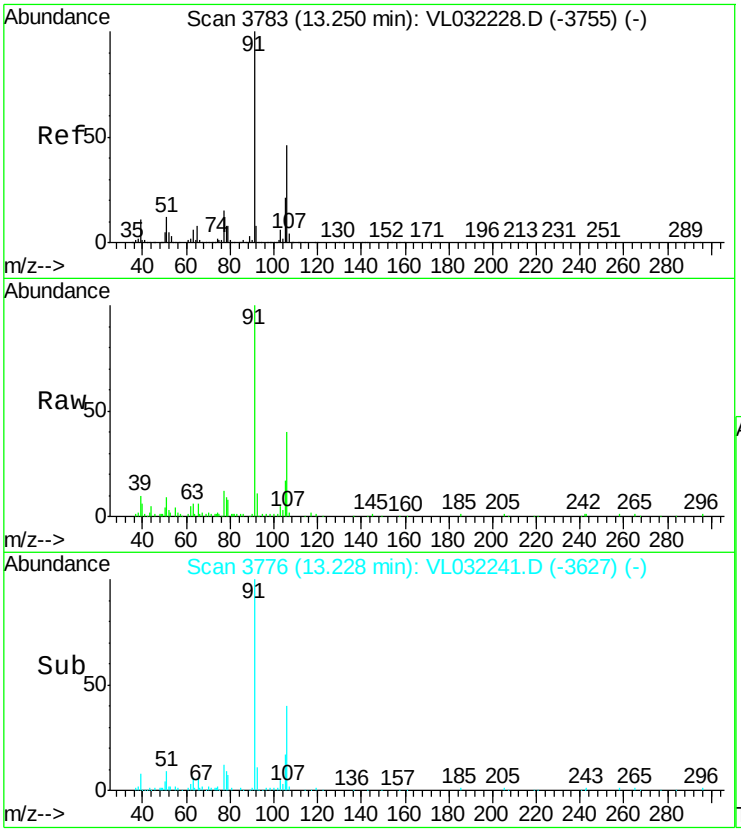


#58
Ethyl Benzene
Concen: 0.081 ppbv
RT: 12.95 min Scan# 3690
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 91 Resp: 54711

Ion	Ratio	Lower	Upper
91	100		
106	21.9	24.5	36.7#



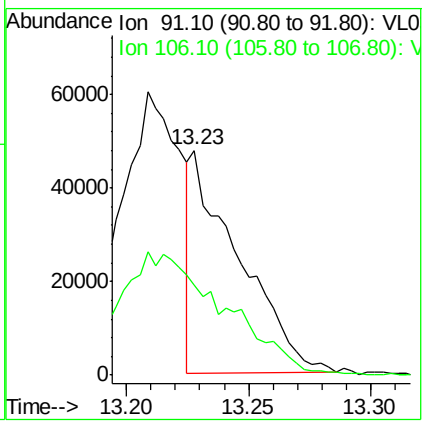


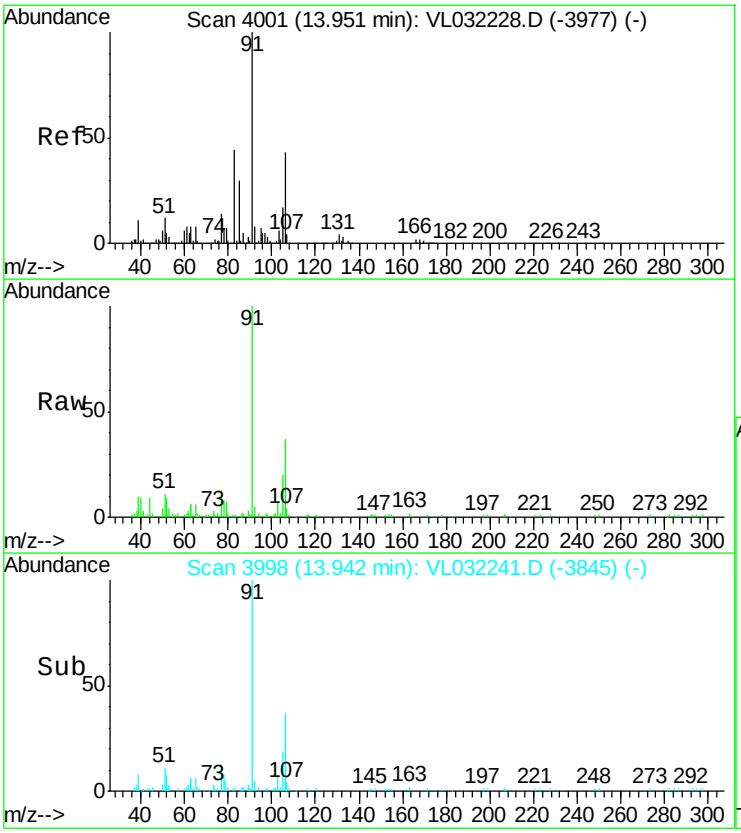
#59
m/p-Xylene
Concen: 0.116 ppbv
RT: 13.23 min Scan# 3776
Delta R.T. -0.02 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument : MSVOA_L
ClientSampleId : MIDDL

Tgt Ion: 91 Resp: 63964

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#

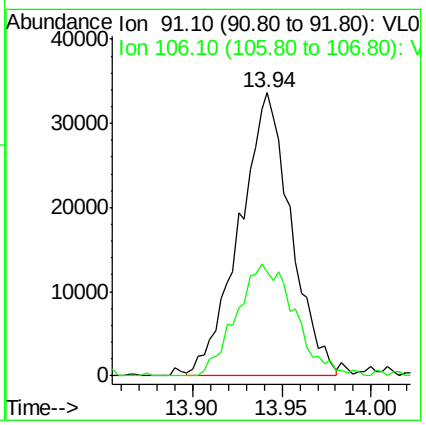


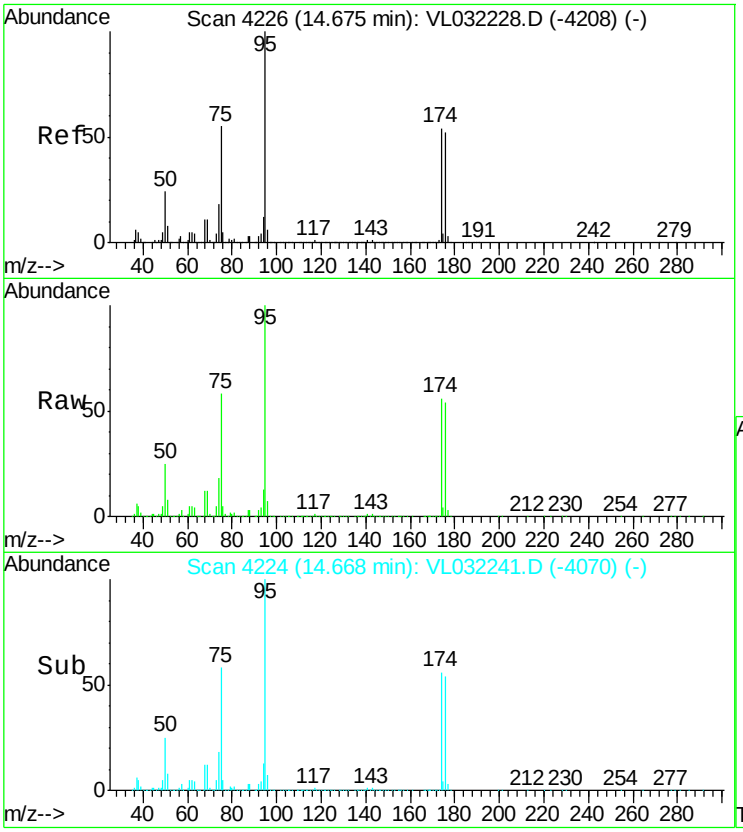


#60
o-Xylene
Concen: 0.124 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion: 91 Resp: 67887

Ion	Ratio	Lower	Upper
91	100		
106	45.5	21.9	65.5



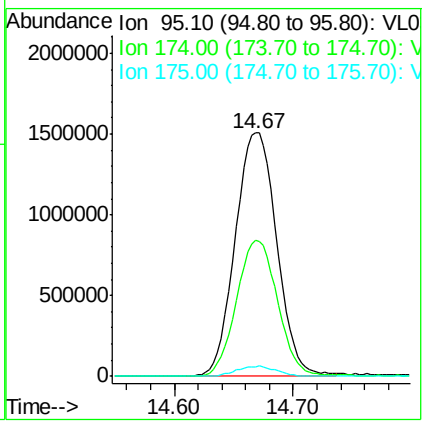


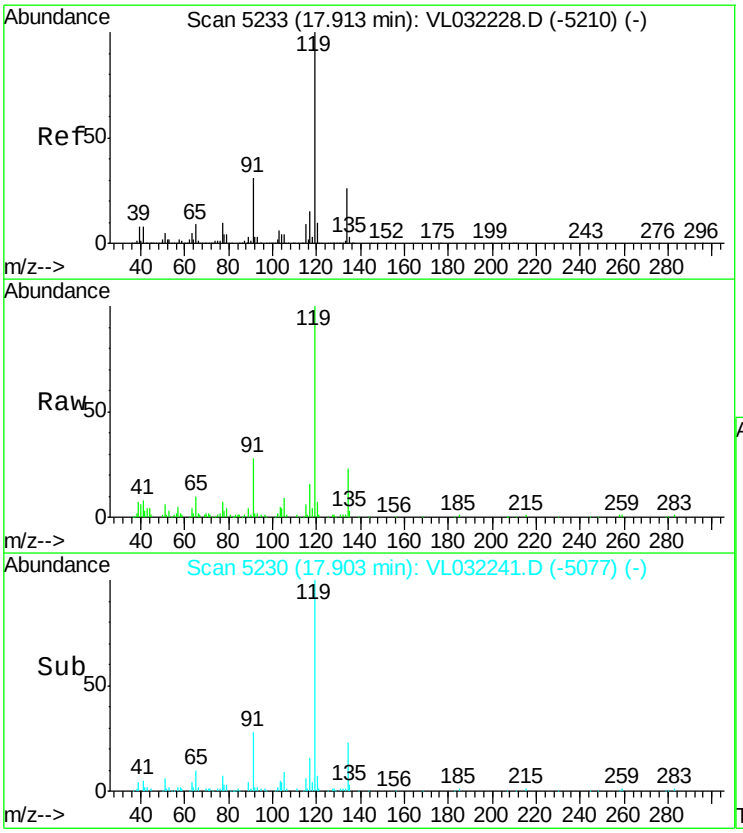
#68
1-Bromo-4-Fluorobenzene
Concen: 10.195 ppbv
RT: 14.67 min Scan# 4224
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 95 Resp: 3642068

Ion	Ratio	Lower	Upper
95	100		
174	56.2	44.6	67.0
175	4.1	3.3	4.9

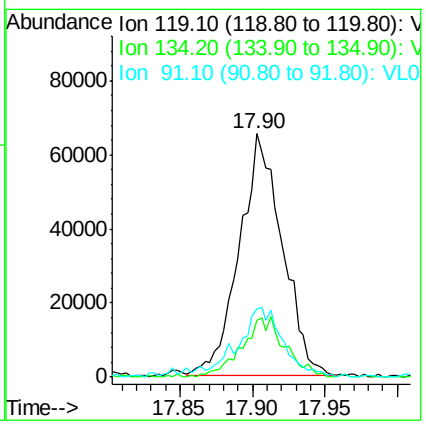


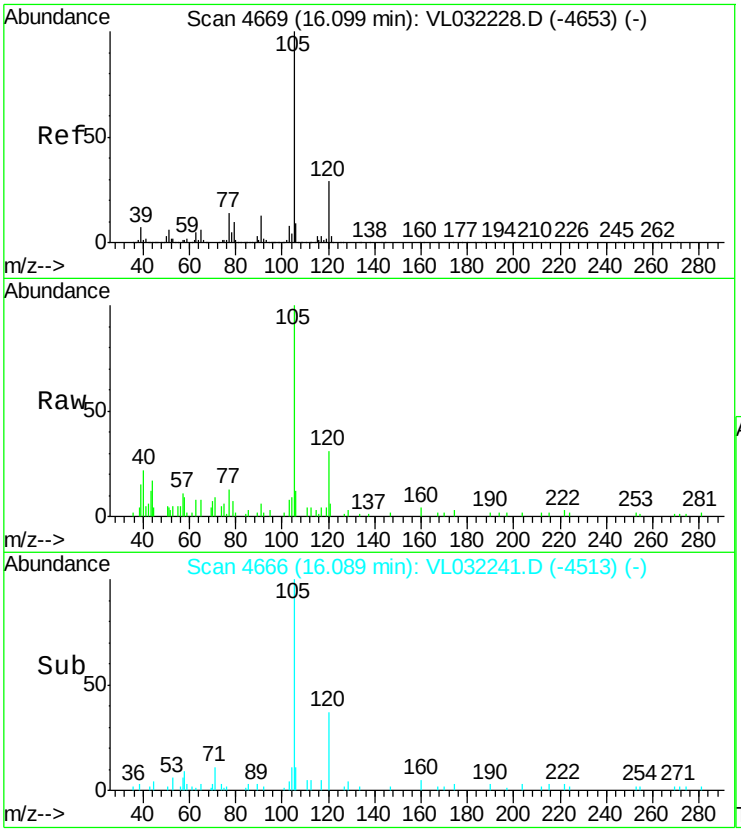


#69
p-Isopropyltoluene
Concen: 0.184 ppbv
RT: 17.90 min Scan# 5230
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion:119 Resp: 134388

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.1	30.1
91	31.8	24.2	36.2



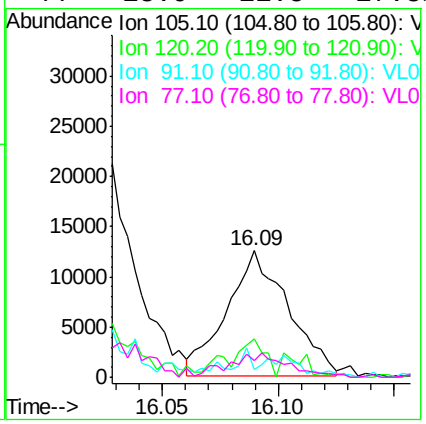


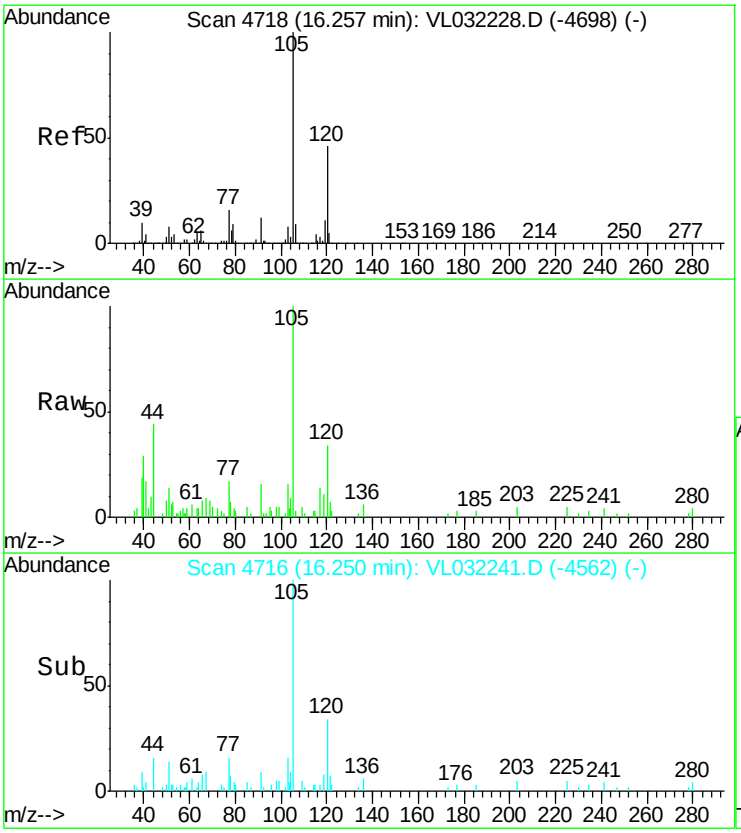
#72
4-Ethyltoluene
Concen: 0.037 ppbv
RT: 16.09 min Scan# 4666
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion:105 Resp: 22920

Ion	Ratio	Lower	Upper
105	100		
120	26.1	23.3	34.9
91	19.6	10.3	15.5#
77	18.9	11.5	17.3#

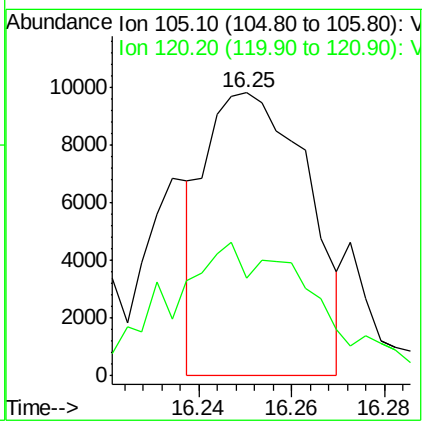


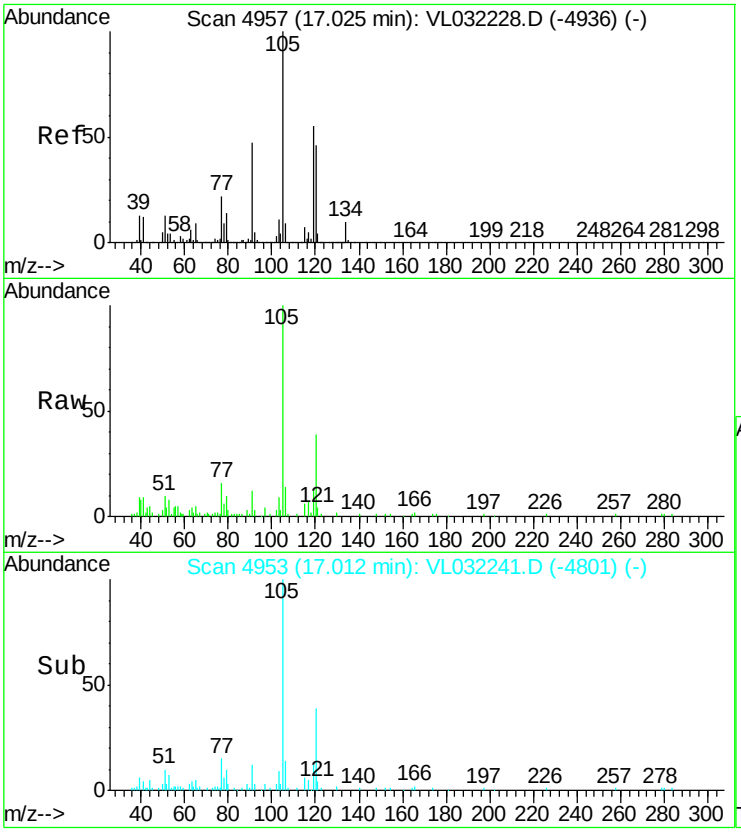


#73
1,3,5-Trimethylbenzene
Concen: 0.026 ppbv
RT: 16.25 min Scan# 4716
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion:105 Resp: 14980

Ion	Ratio	Lower	Upper
105	100		
120	28.2	36.6	54.8#



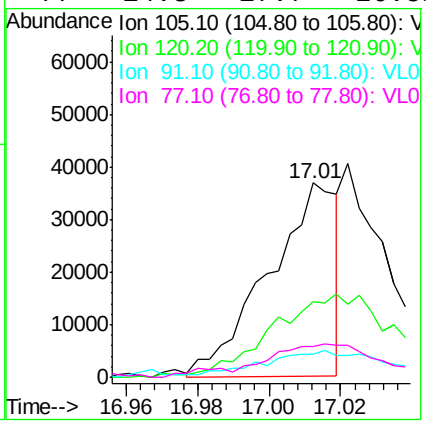


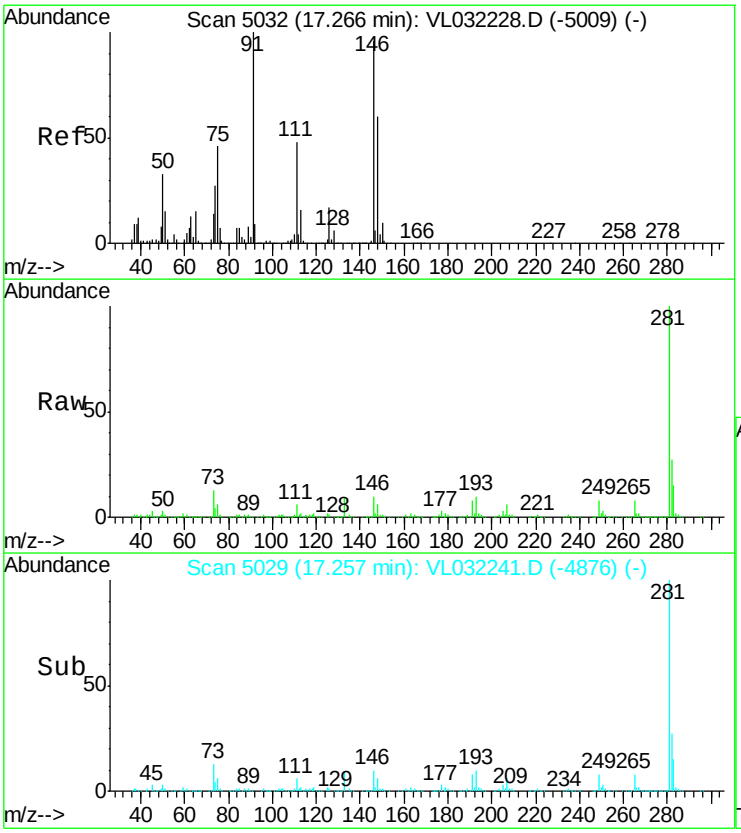
#74
1,2,4-Trimethylbenzene
Concen: 0.084 ppbv
RT: 17.01 min Scan# 4953
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion:105 Resp: 48725

Ion	Ratio	Lower	Upper
105	100		
120	38.4	37.0	55.4
91	10.9	38.2	57.2#
77	14.3	17.7	26.5#

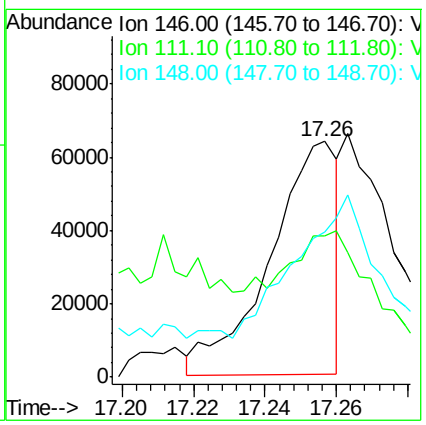


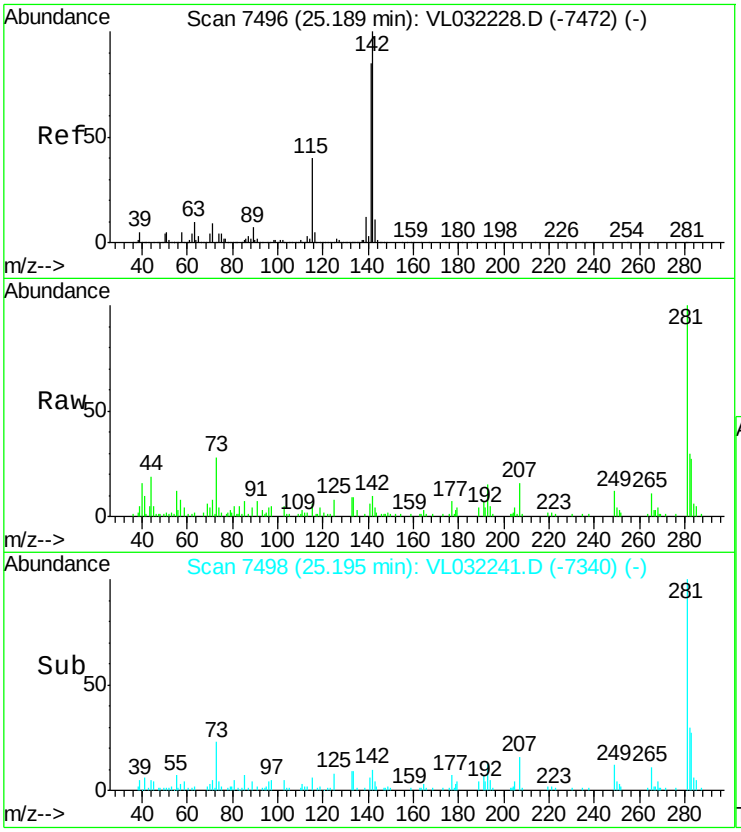


#75
1,3-Dichlorobenzene
Concen: 0.238 ppbv
RT: 17.26 min Scan# 5029
Delta R.T. -0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Tgt Ion:146 Resp: 82668

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.9	74.7#
148	0.0	31.9	95.5#





#80
Naphthalene,2-methyl-
Concen: 0.045 ppbv
RT: 25.20 min Scan# 7498
Delta R.T. 0.01 min
Lab File: VL032241.D
Acq: 13 Jul 2018 7:35

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion:142 Resp: 5620

Ion	Ratio	Lower	Upper
142	100		
141	85.6	67.0	100.6
115	57.4	32.6	49.0#