Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL060118\
Data File : VL032037.D
Acq On : 2 Jun 2018 1:34
Operator : SY/AP
Sample : J3225-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1

Quant Time: Jun 02 02:06:45 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 01 02:31:35 2018
QLast Update : Fri Jun 01 02:31:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.86	49	1133087	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.40	114	2323874	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.36	117	2258150	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.70	95	1774711	10.17	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.15	85	40106	0.29	ppbv		98
3) Chlorodifluoromethane	3.09	51	75621	0.71	ppbv	#	82
4) Chloromethane	3.24	50	443217	8.20	ppbv		94
7) Chloroethane	3.68	64	5136	0.20	ppbv	#	86
9) Propene	3.11	41	12185	0.35	ppbv	#	18
10) Heptane	8.36	43	4927	0.04	ppbv	#	4
11) Trichlorofluoromethane	4.09	101	43551	0.21	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.65	101	4761	0.03	ppbv	#	1
13) Ethanol	3.74	45	177480	13.05	ppbv		99
15) Acetone	3.98	43	1614767	11.82	ppbv		95
16) 1,3-Butadiene	3.42	39	19955	0.40	ppbv	#	19
19) Isopropyl Alcohol	4.13	45	42051	0.46	ppbv	#	95
20) Methylene Chloride	4.50	84	89508	1.44	ppbv		94
23) Vinyl Acetate	5.26	43	452963	2.45	ppbv	#	90
25) Ethyl Acetate	5.88	43	111685	0.41	ppbv	#	86
26) Hexane	5.88	57	140944	1.12	ppbv	#	49
27) Carbon Disulfide	4.71	76	14247	0.09	ppbv	#	7
29) Chloroform	5.95	83	12852	0.06	ppbv		90
30) Cyclohexane	7.36	84	2919	0.04	ppbv	#	1
34) 2-Butanone	5.43	43	291970	1.60	ppbv		98
35) Carbon Tetrachloride	7.25	117	15551	0.08	ppbv	#	74
36) Benzene	7.13	78	6784	0.03	ppbv	#	93
39) 1,2-Dichloropropane	7.40	63	601050	7.98	ppbv	#	21
44) 2,2,4-Trimethylpentane	8.10	57	11641	0.03	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.99	43	50346	0.28	ppbv	#	38
52) Tetrachloroethene	11.50	164	995021	12.28	ppbv		97
53) Toluene	10.07	91	127532	0.56	ppbv		100
58) Ethyl Benzene	12.98	91	46406	0.15	ppbv		96
59) m/p-Xylene	13.27	91	40345	0.14	ppbv	#	31
60) o-Xylene	13.98	91	54696	0.20	ppbv		100
74) 1,2,4-Trimethylbenzene	17.04	105	41600	0.14	ppbv	#	64
80) Naphthalene,2-methyl-	25.21	142	1274	0.03	ppbv	#	82

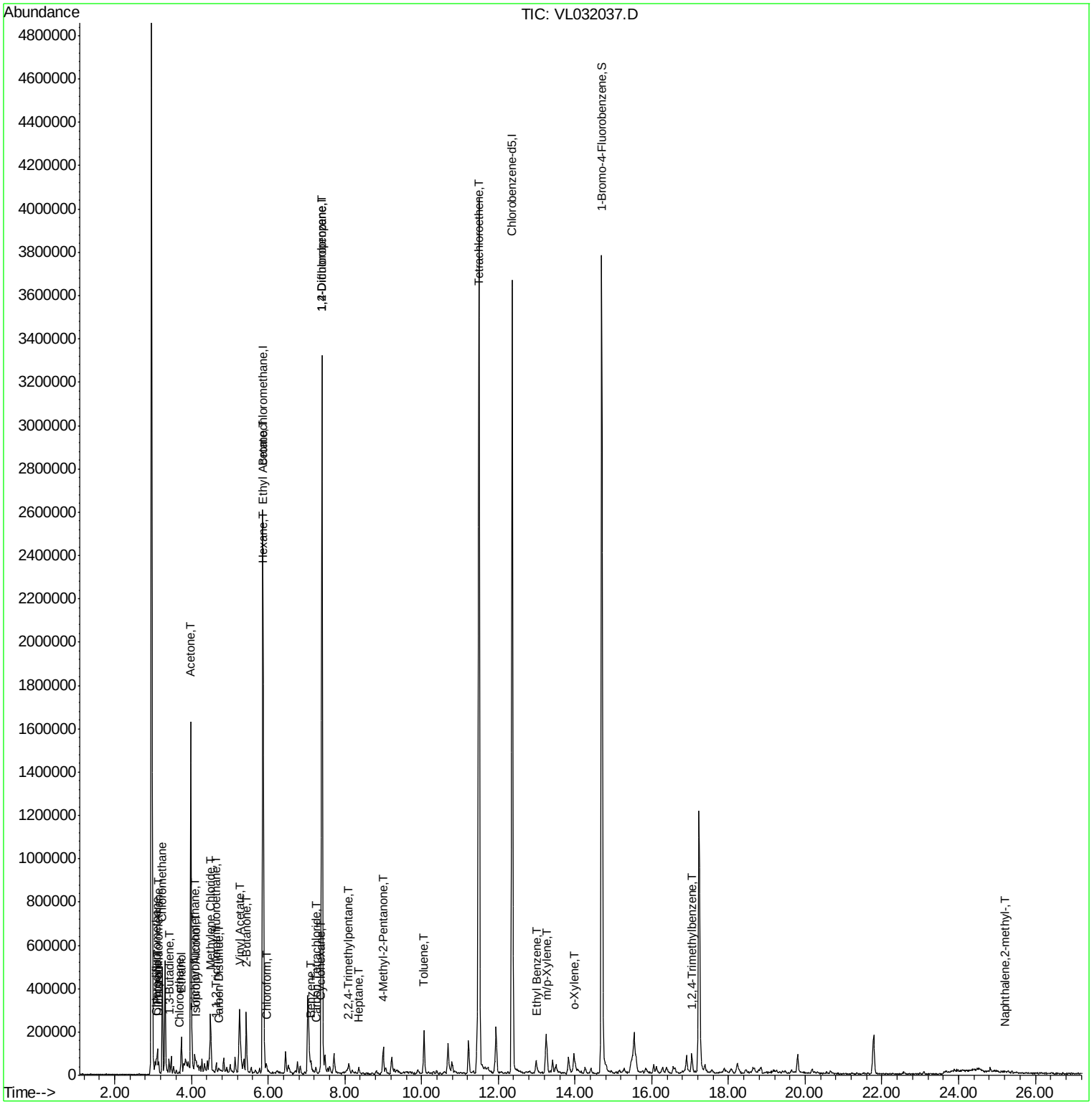
(#) = qualifier out of range (m) = manual integration (+) = signals summed

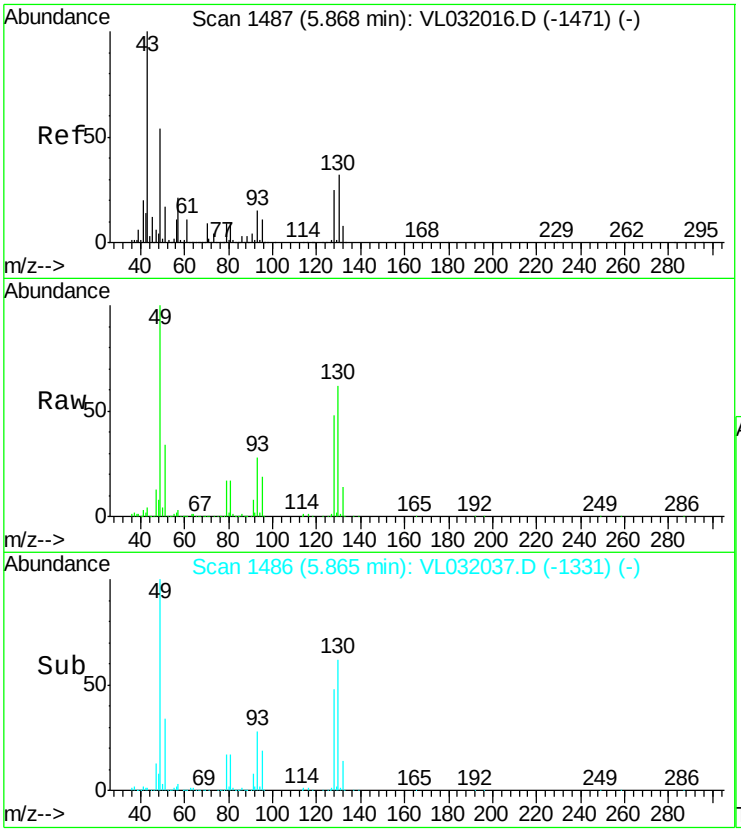
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL060118\
Data File : VL032037.D
Acq On : 2 Jun 2018 1:34
Operator : SY/AP
Sample : J3225-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1

Quant Time: Jun 02 02:06:45 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 01 02:31:35 2018
QLast Update : Fri Jun 01 02:31:35 2018
Response via : Initial Calibration



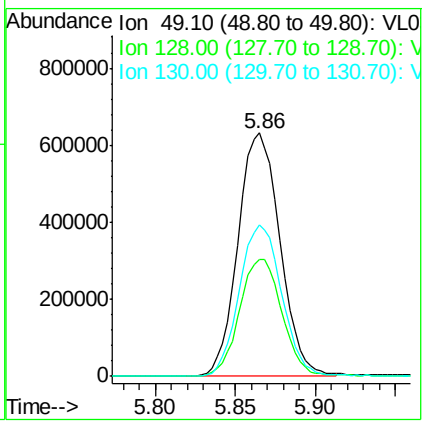


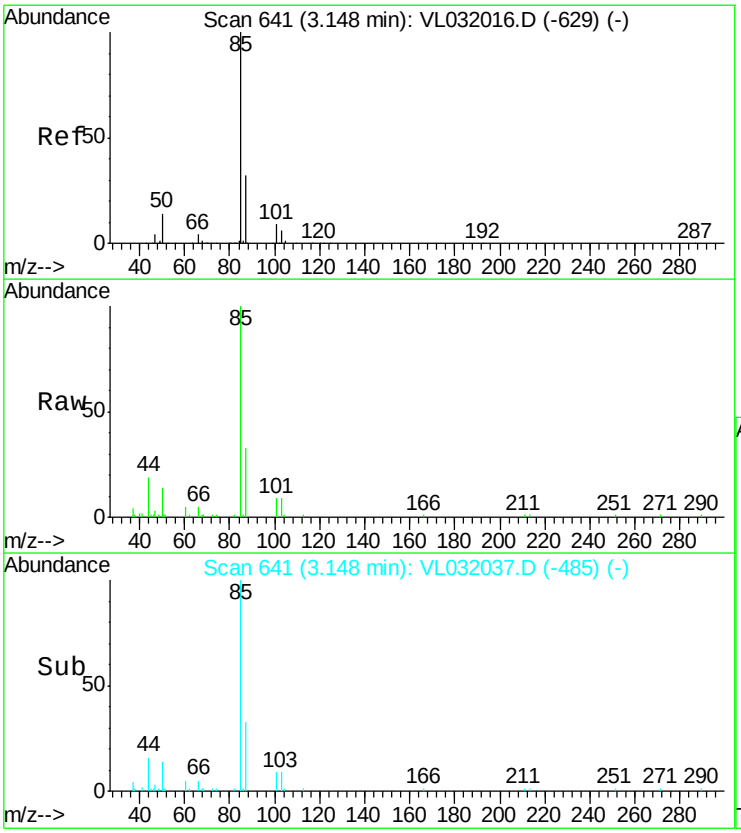
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 1133087

Ion	Ratio	Lower	Upper
49	100		
128	49.3	24.1	72.3
130	63.3	30.9	92.8

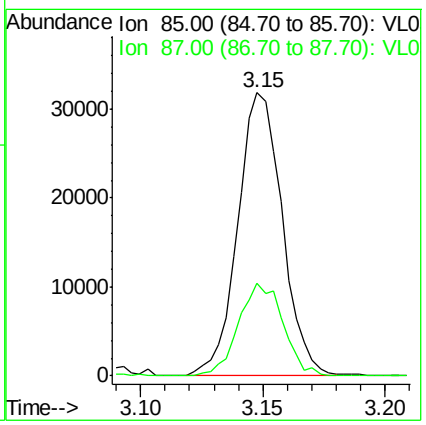


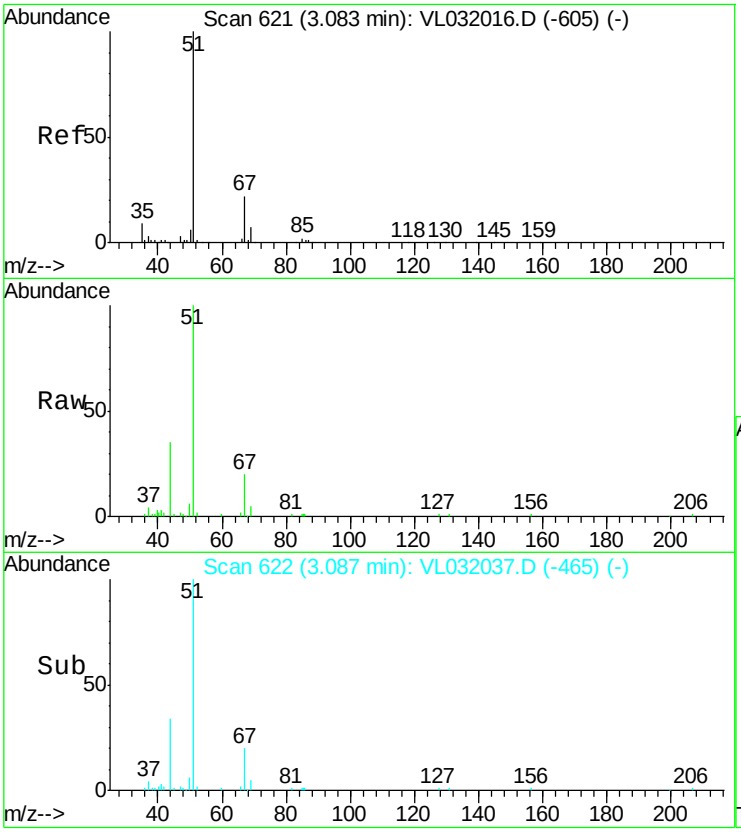


#2
Dichlorodifluoromethane
Concen: 0.29 ppbv
RT: 3.15 min Scan# 641
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 85 Resp: 40106

Ion	Ratio	Lower	Upper
85	100		
87	32.9	25.5	38.3



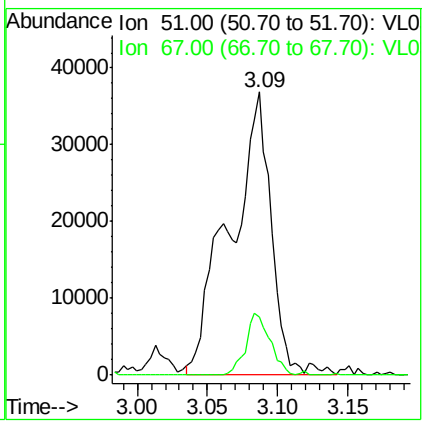


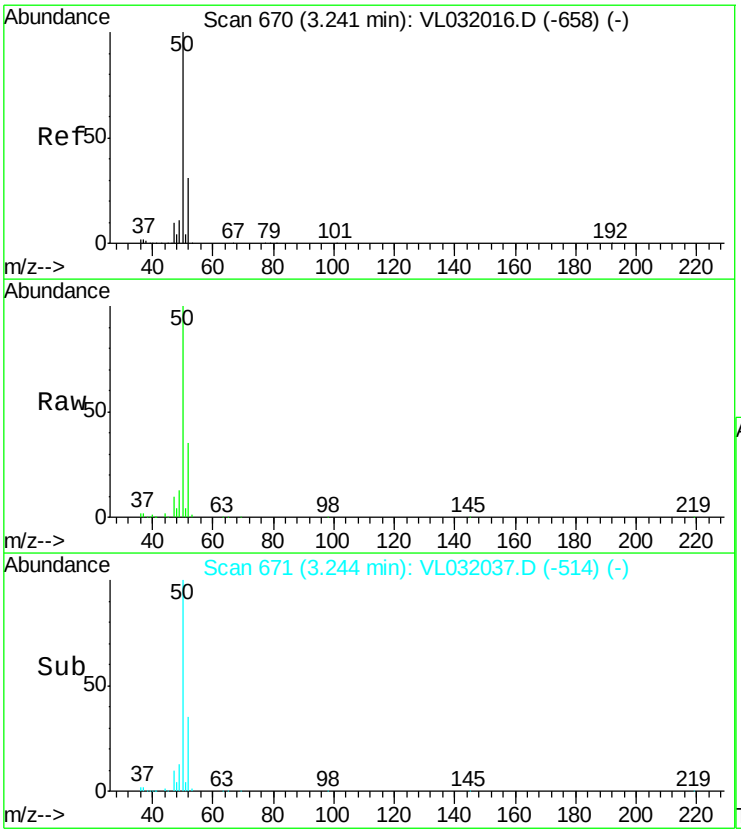
#3
Chlorodifluoromethane
Concen: 0.71 ppbv
RT: 3.09 min Scan# 622
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 51 Resp: 75621

Ion	Ratio	Lower	Upper
51	100		
67	13.1	17.2	25.8#

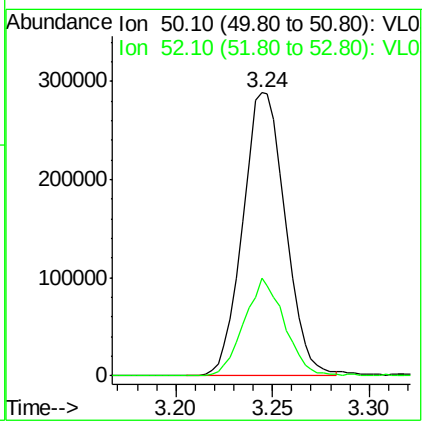


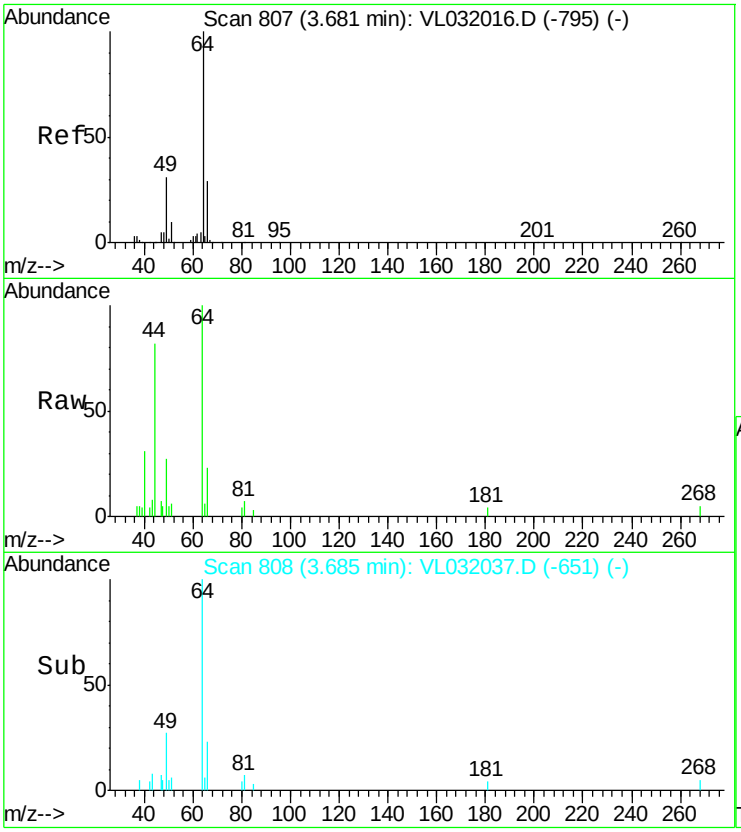


#4
Chloromethane
Concen: 8.20 ppbv
RT: 3.24 min Scan# 671
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 50 Resp: 443217

Ion	Ratio	Lower	Upper
50	100		
52	34.6	25.0	37.6



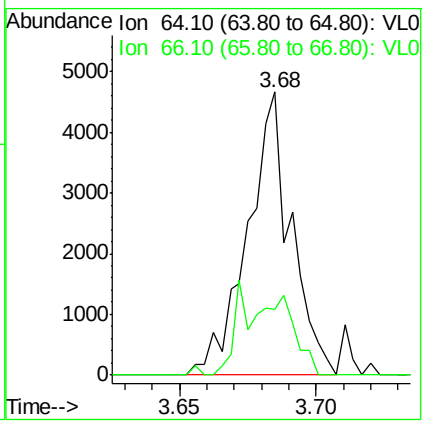


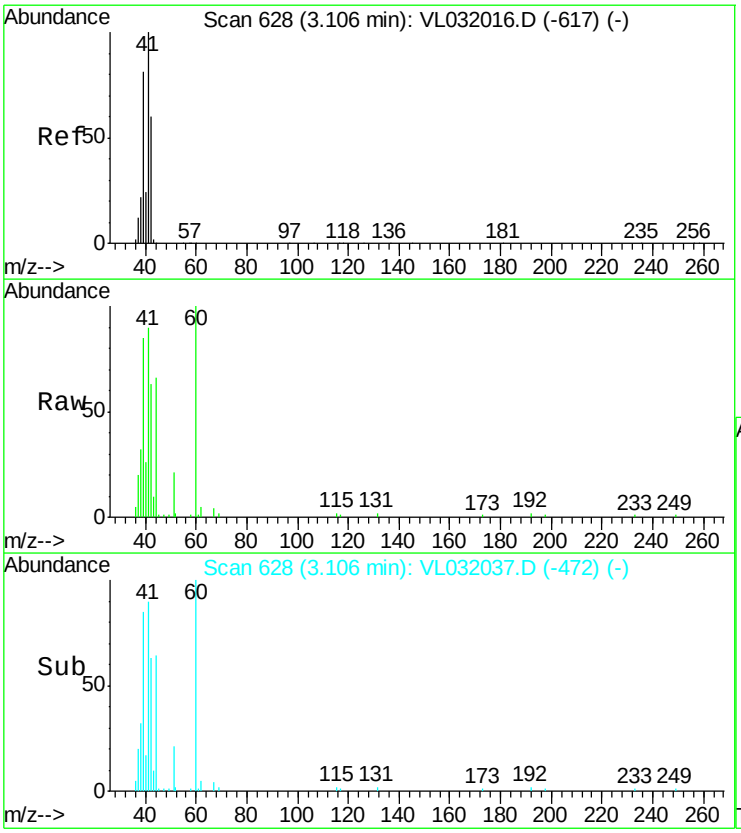
#7
Chloroethane
Concen: 0.20 ppbv
RT: 3.68 min Scan# 808
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 64 Resp: 5136

Ion	Ratio	Lower	Upper
64	100		
66	21.9	23.4	35.2#

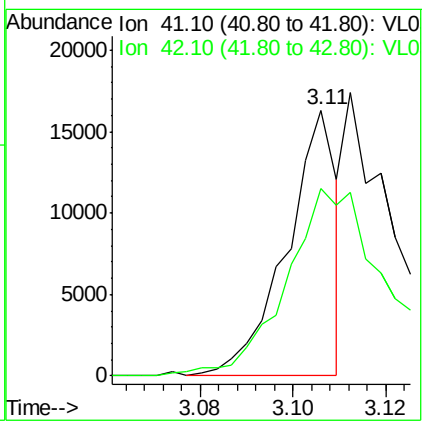


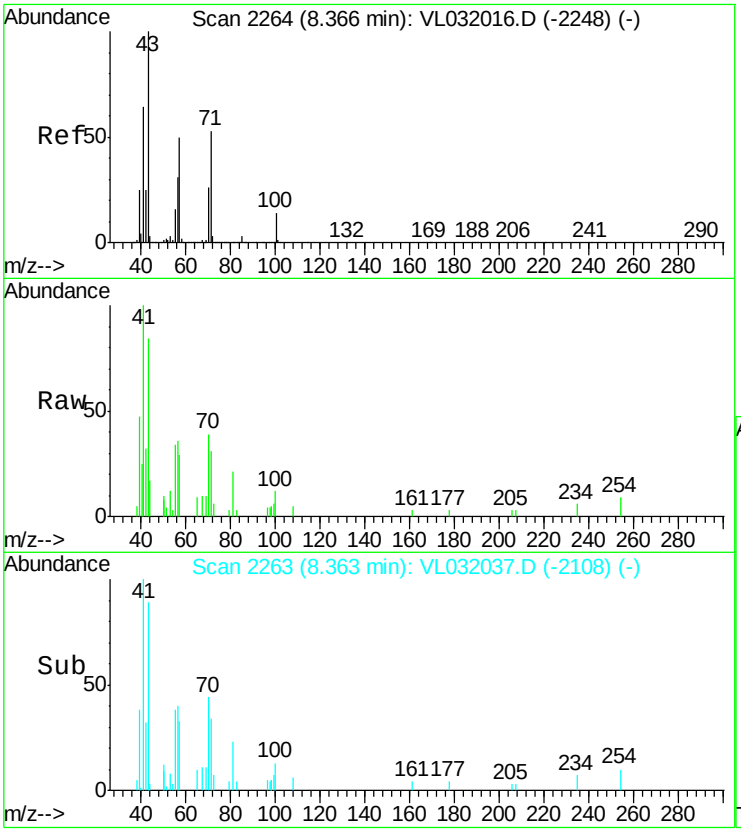


#9
Propene
Concen: 0.35 ppbv
RT: 3.11 min Scan# 628
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 41 Resp: 12185

Ion	Ratio	Lower	Upper
41	100		
42	134.1	54.4	81.6#



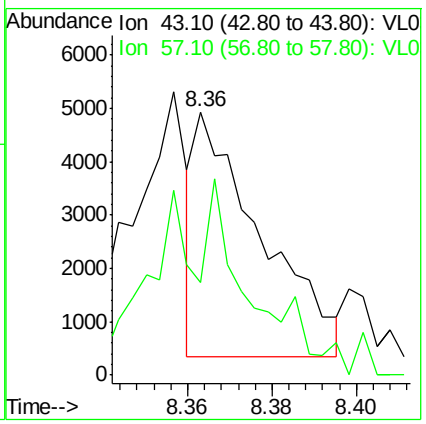


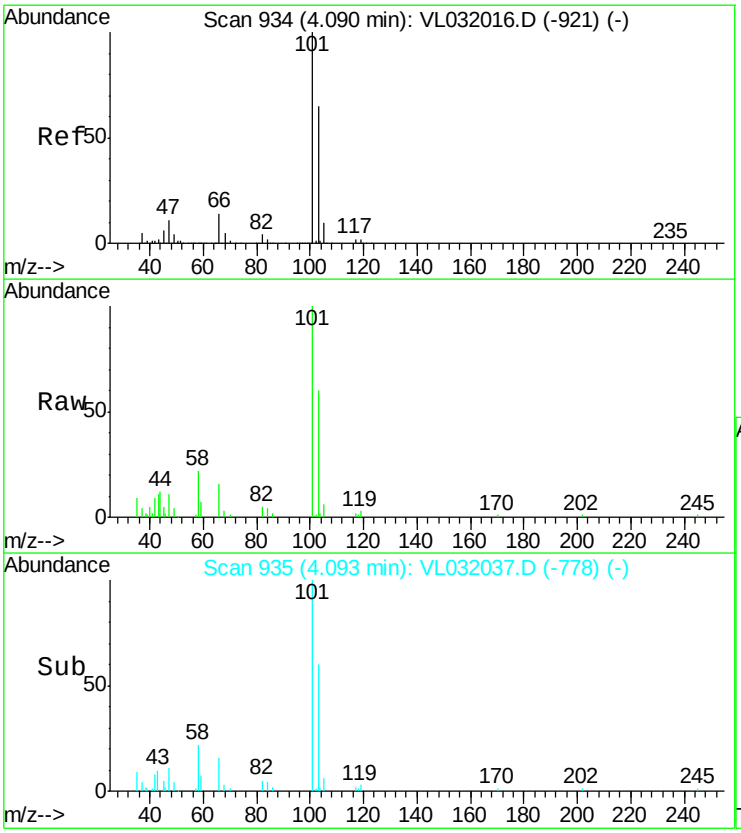
#10
Heptane
Concen: 0.04 ppbv
RT: 8.36 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 43 Resp: 4927

Ion	Ratio	Lower	Upper
43	100		
57	120.0	41.7	62.5#

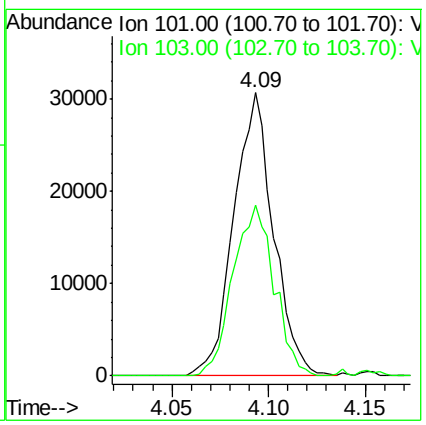


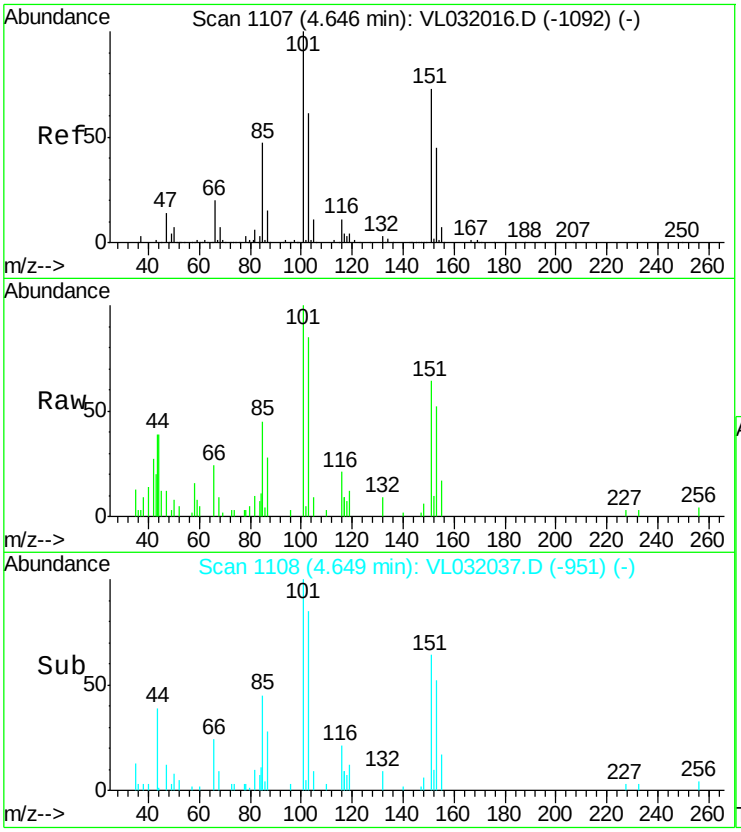


#11
Trichlorofluoromethane
Concen: 0.21 ppbv
RT: 4.09 min Scan# 935
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion:101 Resp: 43551

Ion	Ratio	Lower	Upper
101	100		
103	60.1	52.0	78.0



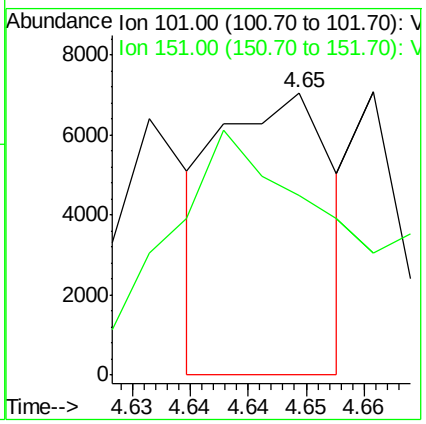


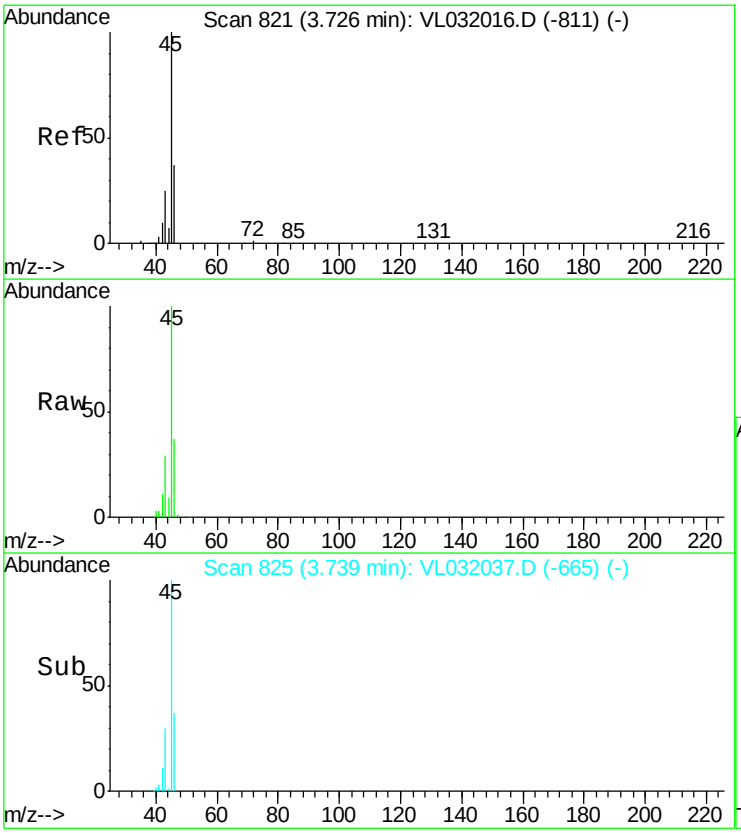
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.03 ppbv
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion:101 Resp: 4761

Ion	Ratio	Lower	Upper
101	100		
151	182.5	58.2	87.4#

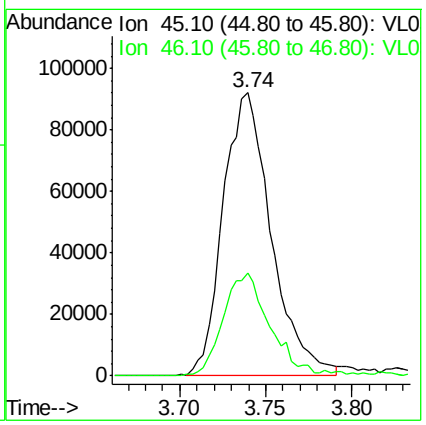


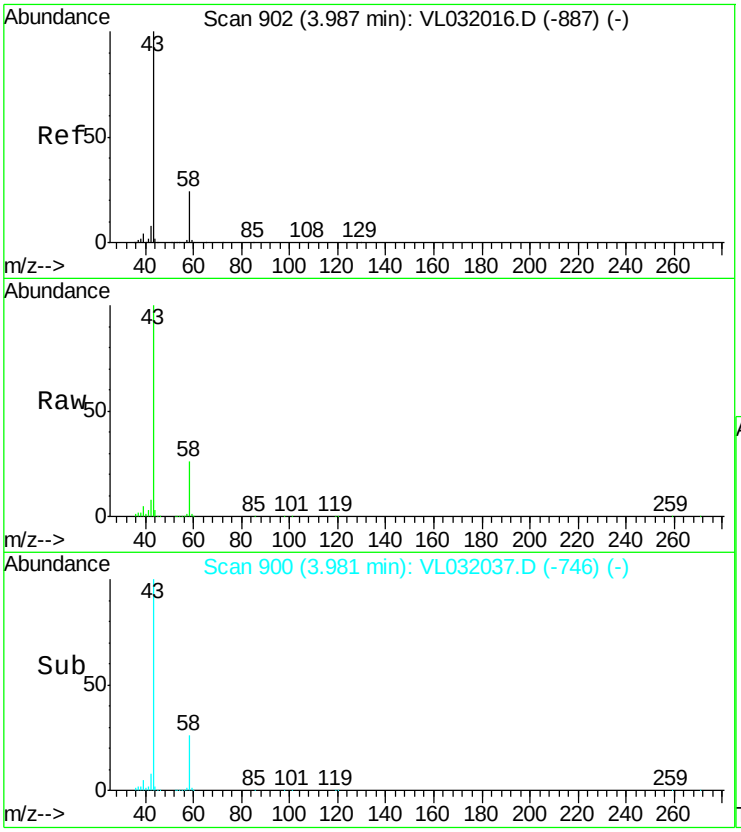


#13
Ethanol
Concen: 13.05 ppbv
RT: 3.74 min Scan# 825
Delta R.T. 0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 45 Resp: 177480

Ion	Ratio	Lower	Upper
45	100		
46	37.7	14.9	59.5



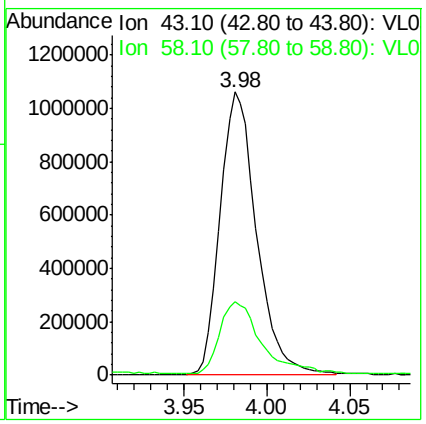


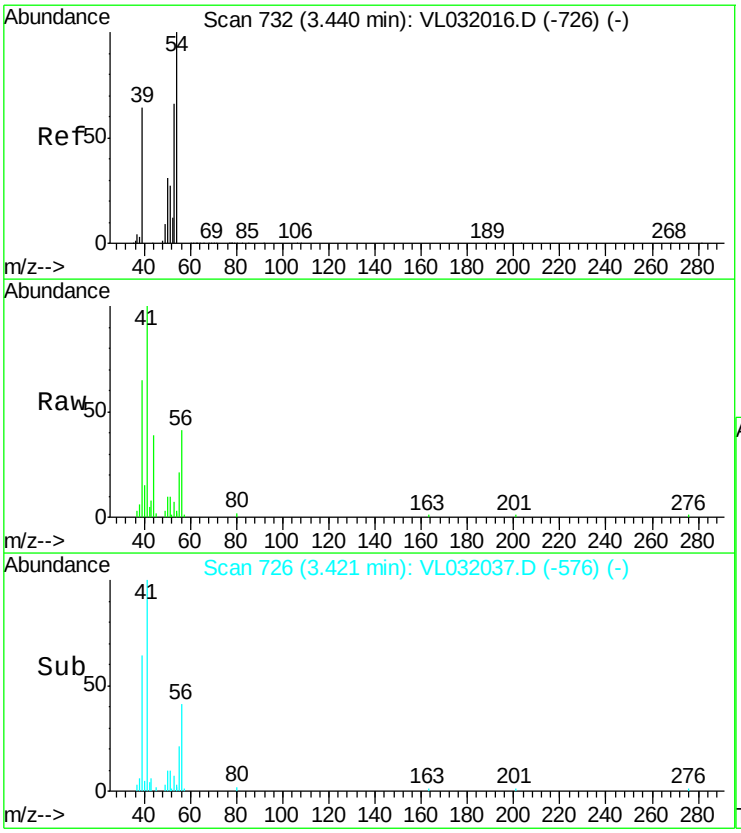
#15
Acetone
Concen: 11.82 ppbv
RT: 3.98 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 1614767

Ion	Ratio	Lower	Upper
43	100		
58	28.5	20.7	31.1

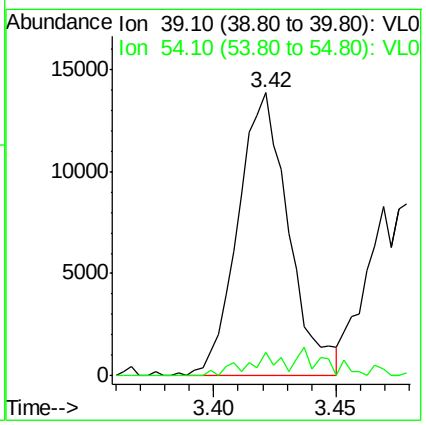


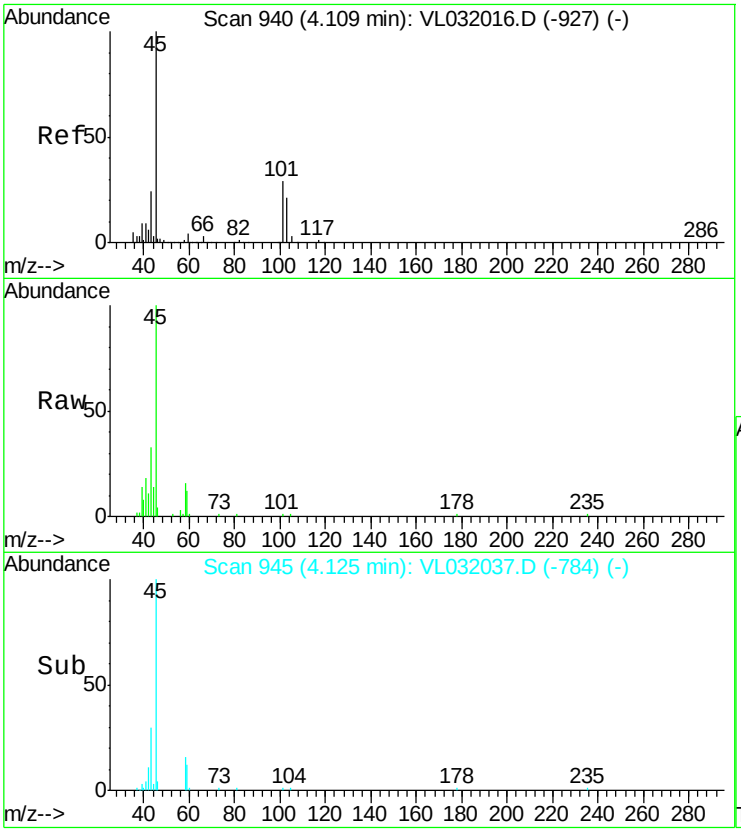


#16
1,3-Butadiene
Concen: 0.40 ppbv
RT: 3.42 min Scan# 726
Delta R.T. -0.02 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 39 Resp: 19955

Ion	Ratio	Lower	Upper
39	100		
54	9.4	65.7	98.5#



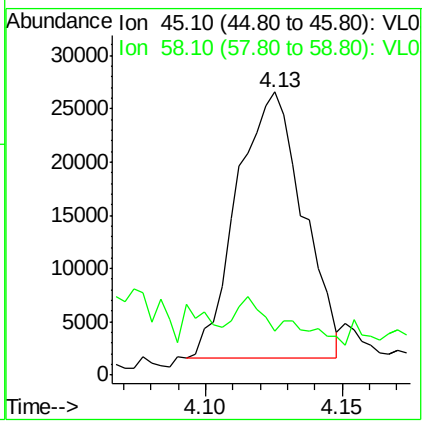


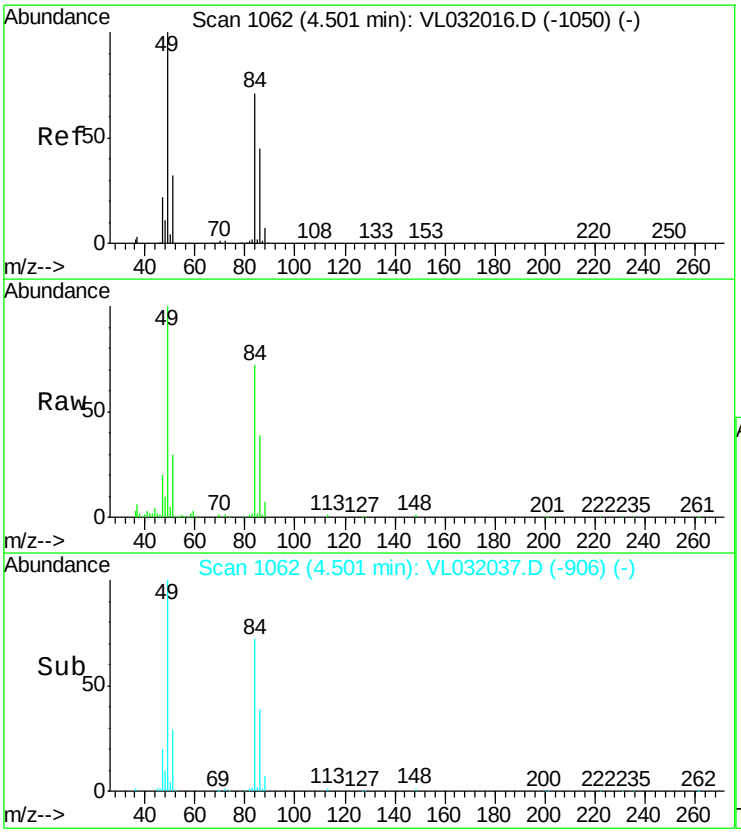
#19
Isopropyl Alcohol
Concen: 0.46 ppbv
RT: 4.13 min Scan# 945
Delta R.T. 0.02 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 45 Resp: 42051

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.5	2.3#

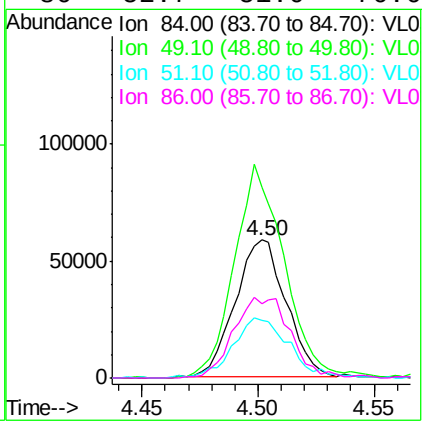


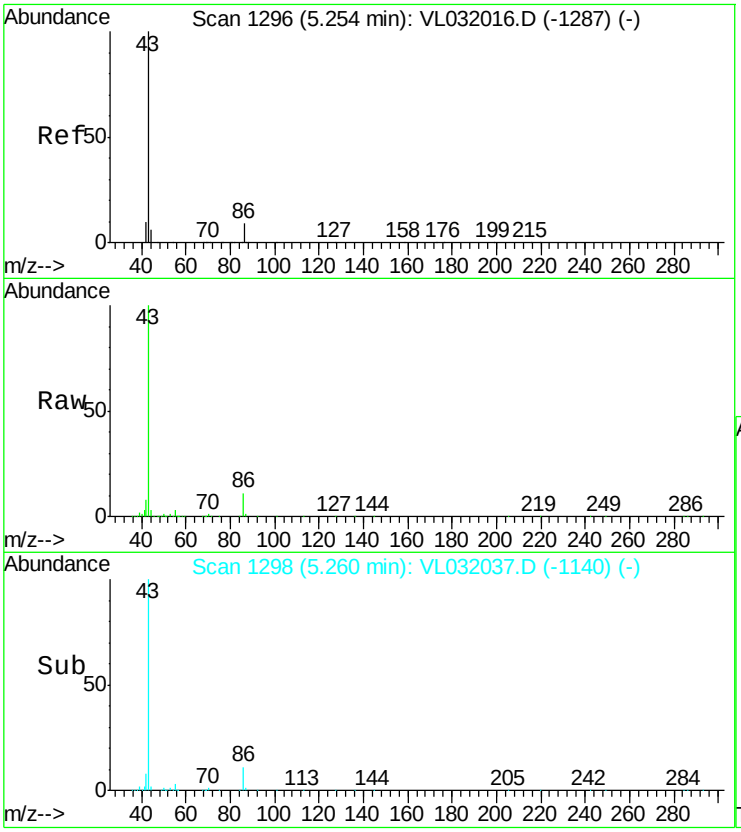


#20
Methylene Chloride
Concen: 1.44 ppbv
RT: 4.50 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 84 Resp: 89508

Ion	Ratio	Lower	Upper
84	100		
49	138.5	113.0	169.4
51	41.0	36.4	54.6
86	52.7	51.0	76.6



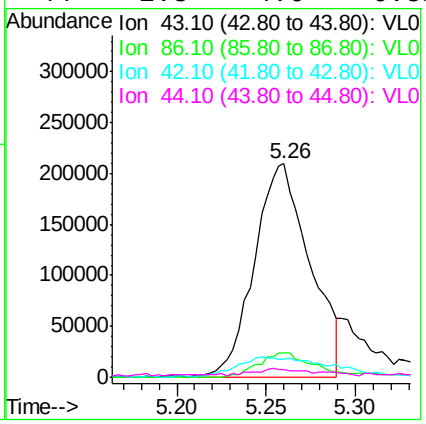


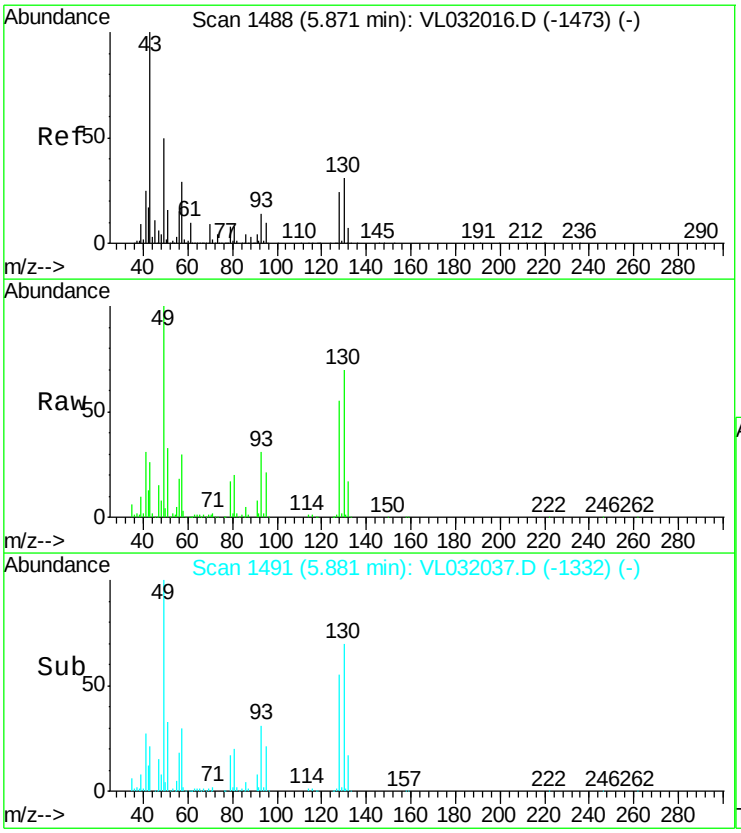
#23
Vinyl Acetate
Concen: 2.45 ppbv
RT: 5.26 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 43 Resp: 452963

Ion	Ratio	Lower	Upper
43	100		
86	11.4	6.2	9.4#
42	7.6	8.7	13.1#
44	2.3	4.6	6.8#

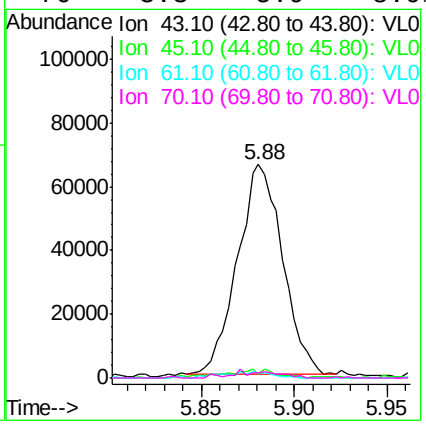


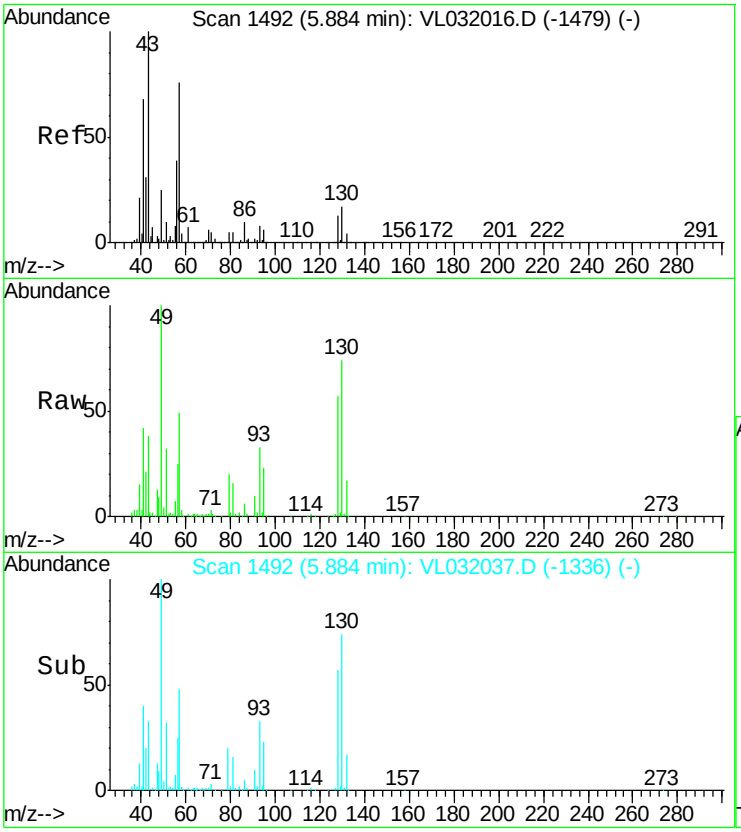


#25
Ethyl Acetate
Concen: 0.41 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. 0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 43 Resp: 111685

Ion	Ratio	Lower	Upper
43	100		
45	5.0	7.8	11.6#
61	3.3	7.4	11.2#
70	3.3	5.9	8.9#



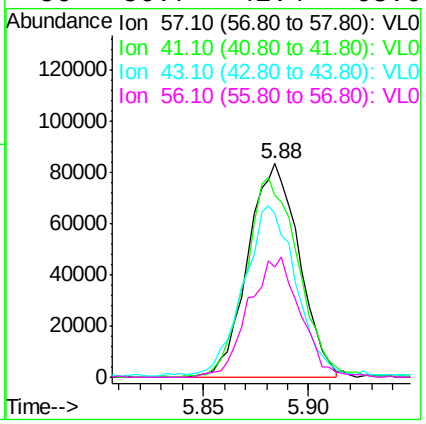


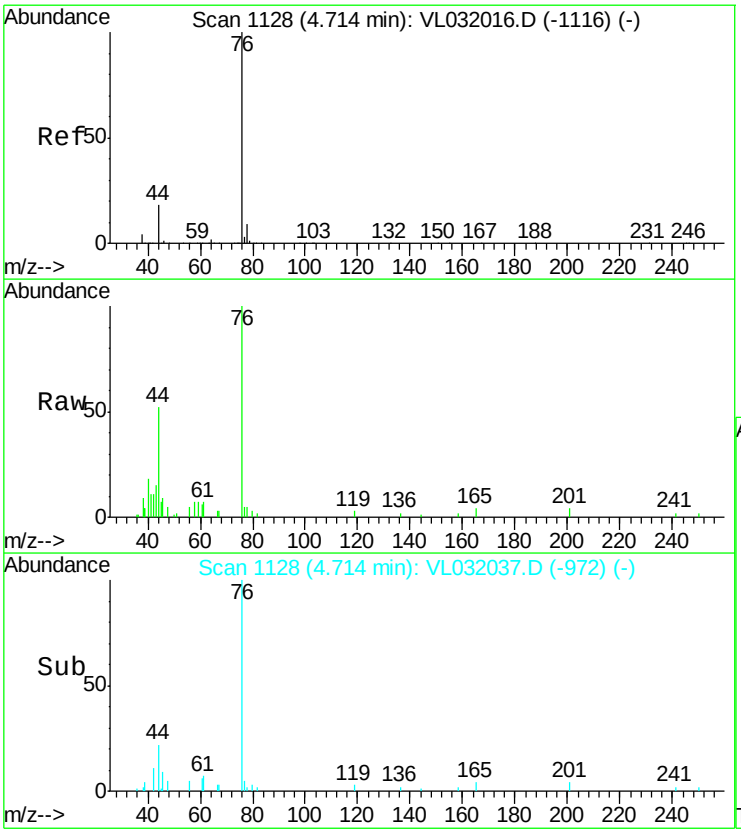
#26
Hexane
Concen: 1.12 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 57 Resp: 140944

Ion	Ratio	Lower	Upper
57	100		
41	96.9	71.4	107.2
43	83.2	168.6	252.8#
56	56.7	42.4	63.6

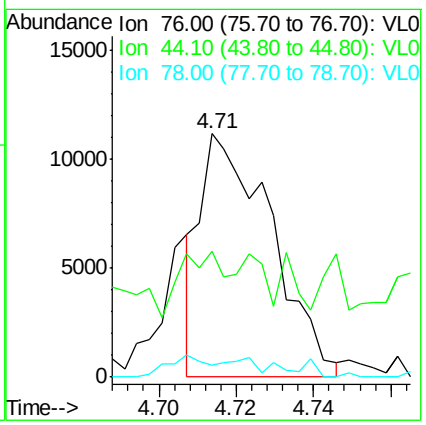


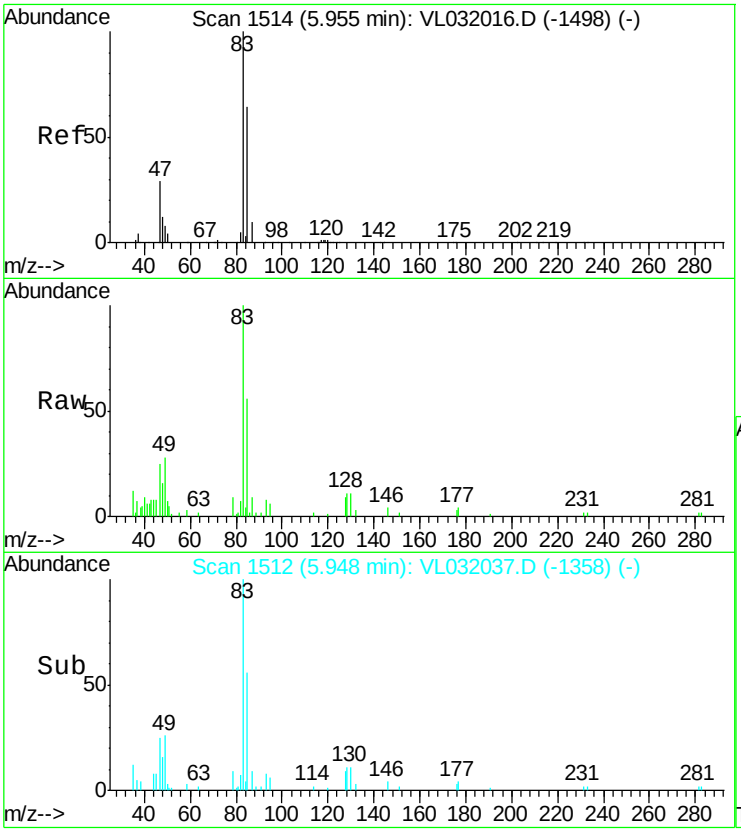


#27
Carbon Disulfide
Concen: 0.09 ppbv
RT: 4.71 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 76 Resp: 14247

Ion	Ratio	Lower	Upper
76	100		
44	80.1	14.9	22.3#
78	11.8	7.6	11.4#



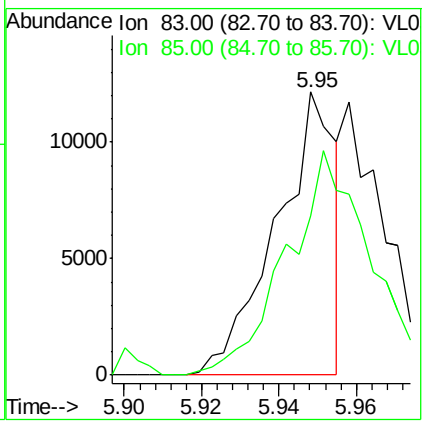


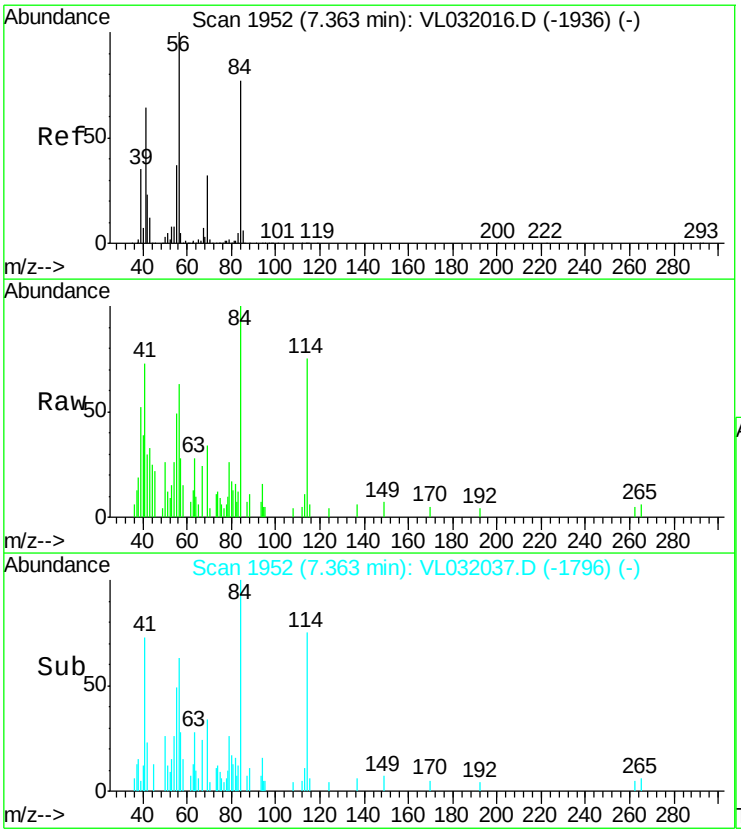
#29
Chloroform
Concen: 0.06 ppbv
RT: 5.95 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 83 Resp: 12852

Ion	Ratio	Lower	Upper
83	100		
85	56.2	50.9	76.3

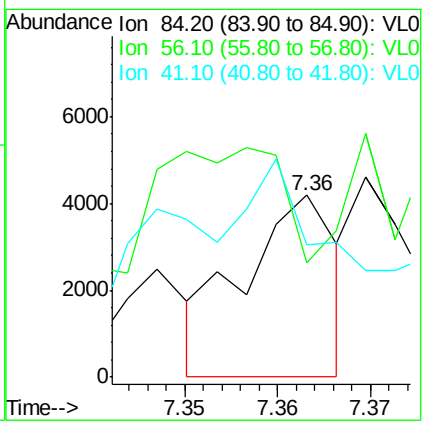


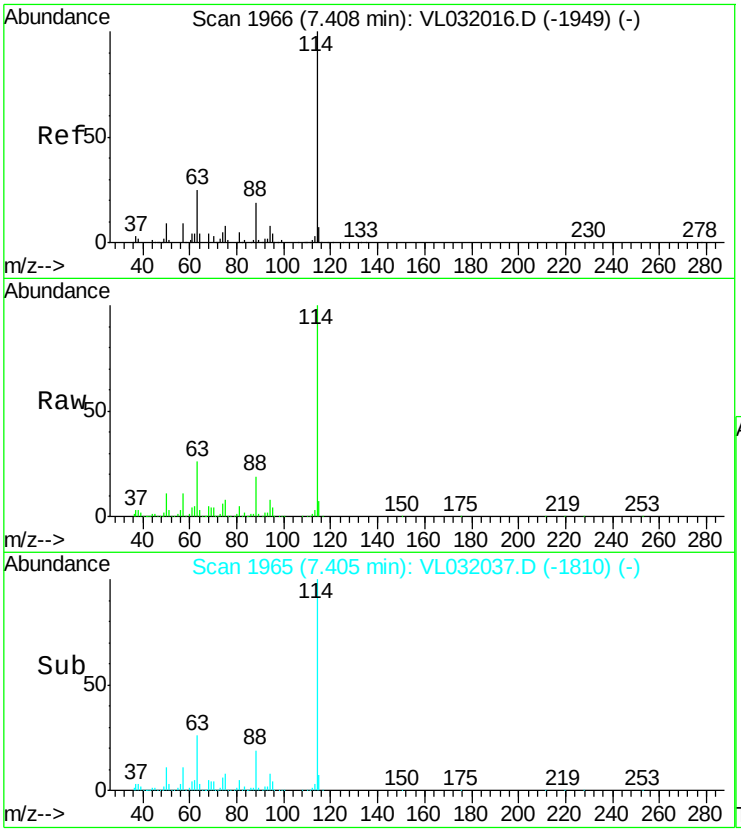


#30
Cyclohexane
Concen: 0.04 ppbv
RT: 7.36 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 84 Resp: 2919

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.6	162.8#
41	250.4	66.8	100.2#



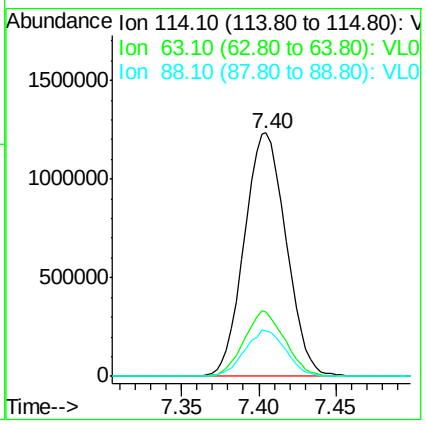


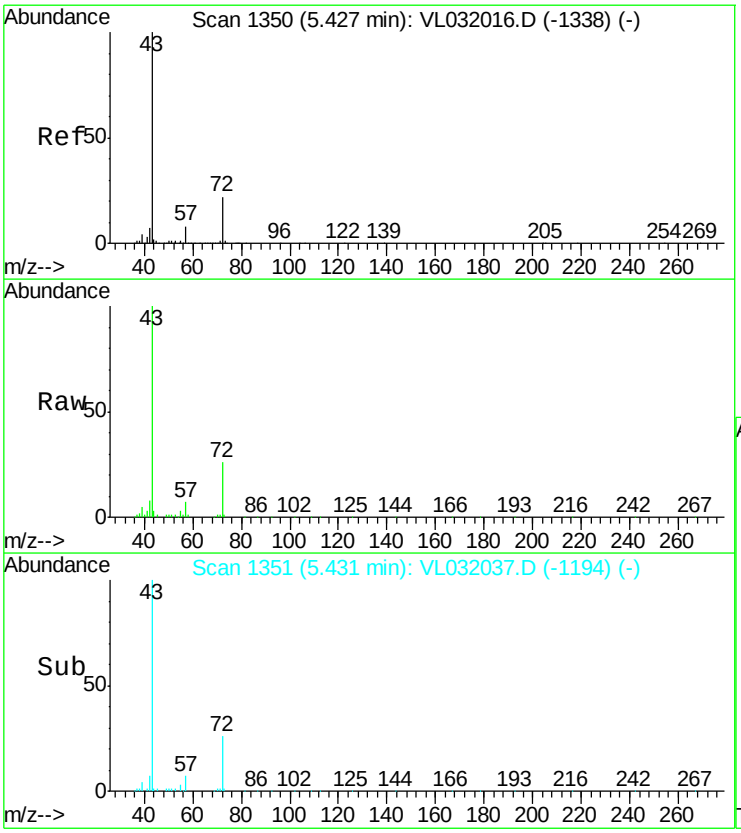
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.40 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:114 Resp: 2323874

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.1	31.7
88	18.6	14.8	22.2

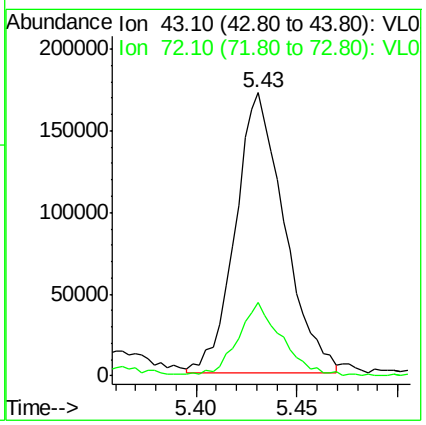


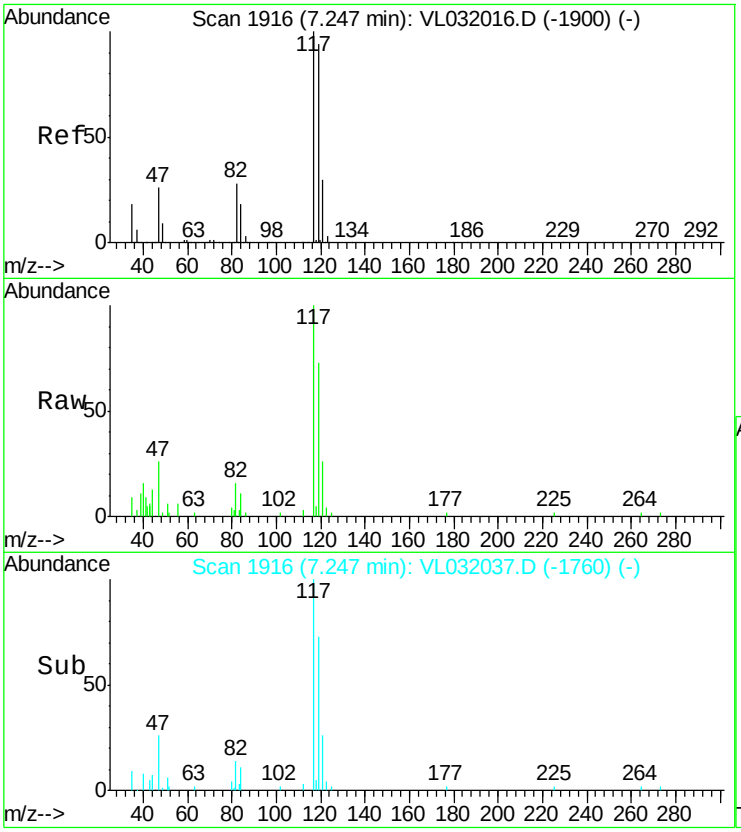


#34
2-Butanone
Concen: 1.60 ppbv
RT: 5.43 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 43 Resp: 291970

Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.6	27.8



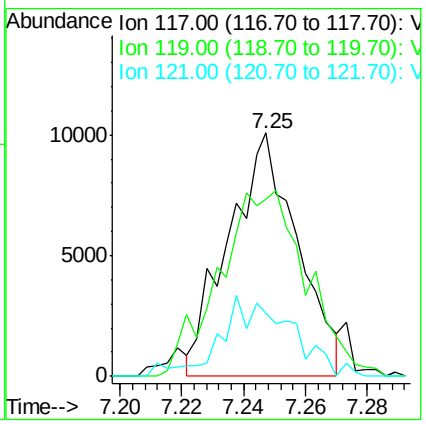


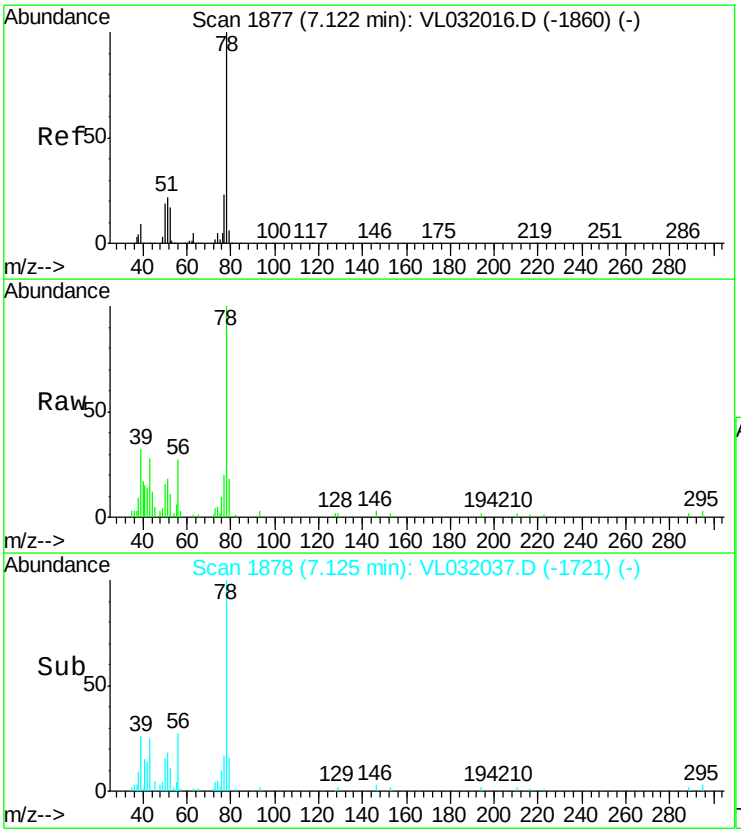
#35
Carbon Tetrachloride
Concen: 0.08 ppbv
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion:117 Resp: 15551

Ion	Ratio	Lower	Upper
117	100		
119	61.8	75.3	112.9#
121	28.4	24.1	36.1

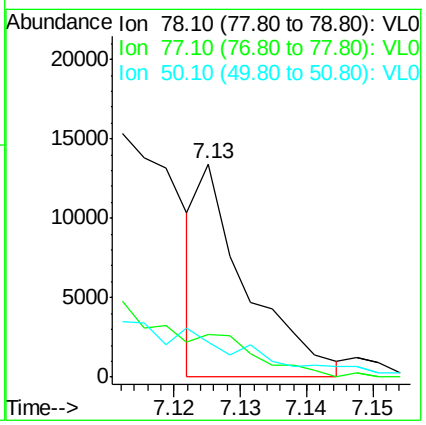


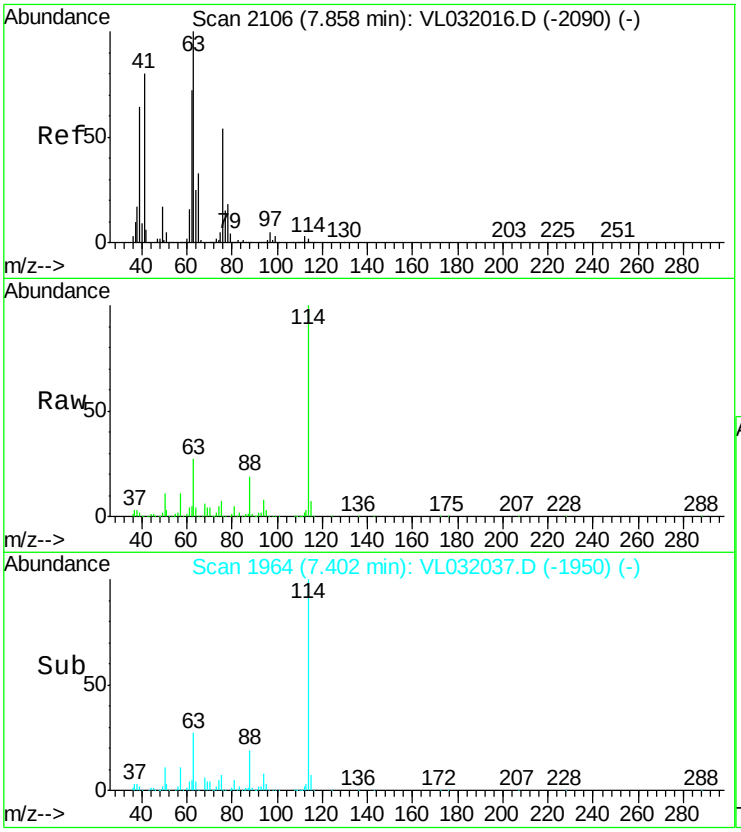


#36
Benzene
Concen: 0.03 ppbv
RT: 7.13 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 78 Resp: 6784

Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.1	27.1
50	12.1	14.9	22.3#



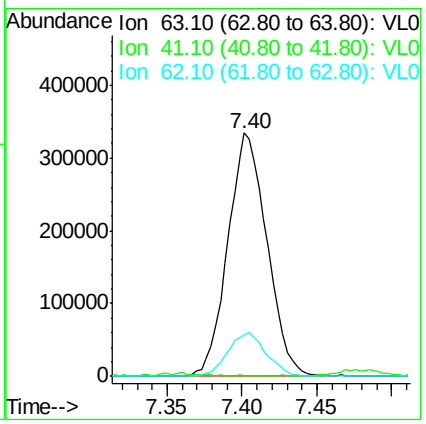


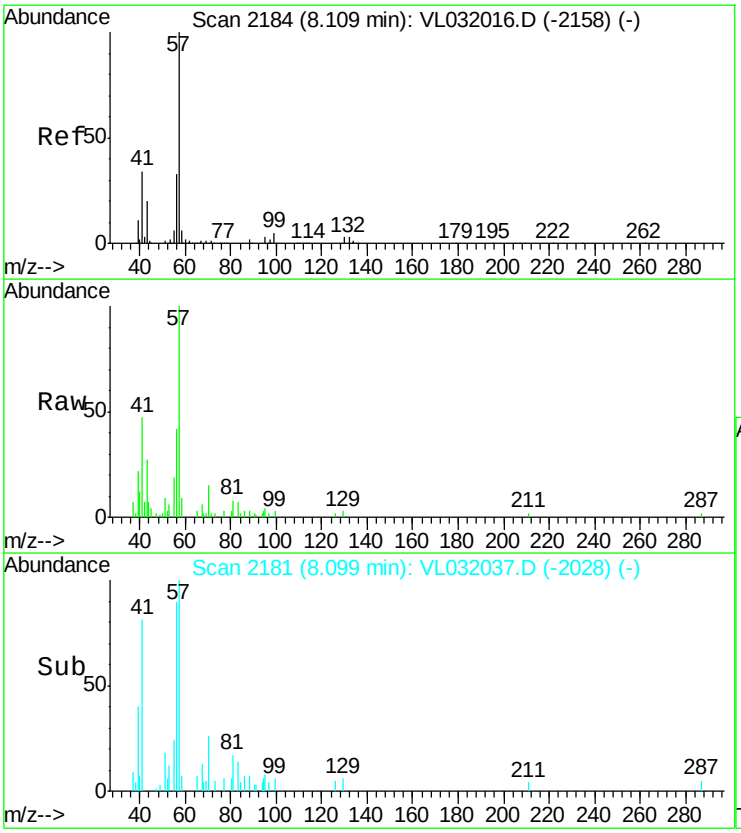
#39
1,2-Dichloropropane
Concen: 7.98 ppbv
RT: 7.40 min Scan# 1964
Delta R.T. -0.46 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 63 Resp: 601050

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.0	96.0#
62	16.9	57.6	86.4#

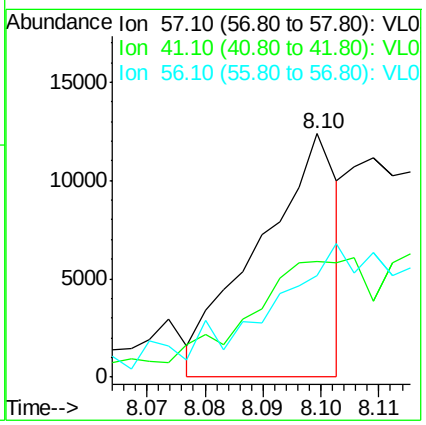


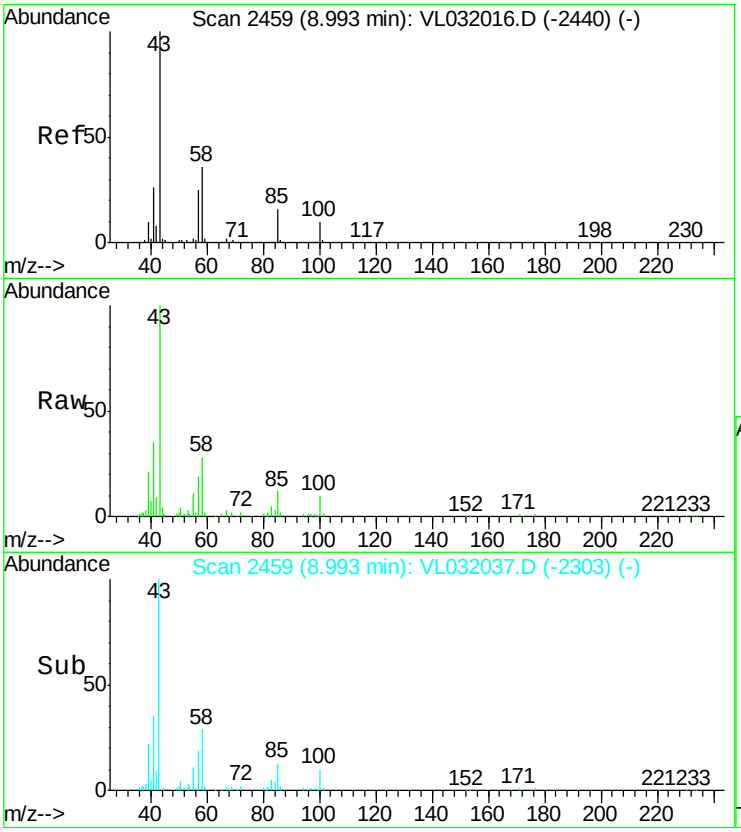


#44
2,2,4-Trimethylpentane
Concen: 0.03 ppbv
RT: 8.10 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 57 Resp: 11641

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.6	40.0#
56	127.7	24.9	37.3#



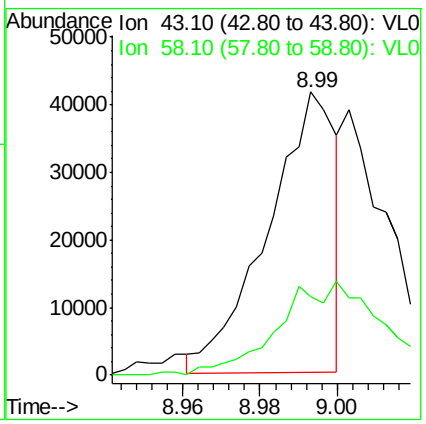


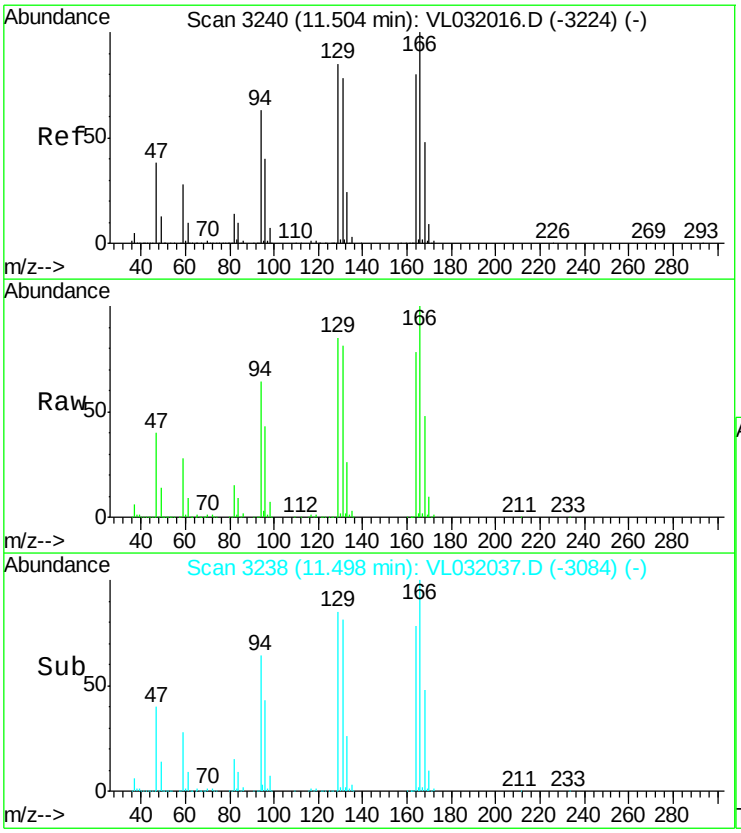
#50
4-Methyl-2-Pentanone
Concen: 0.28 ppbv
RT: 8.99 min Scan# 2459
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 43 Resp: 50346

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#

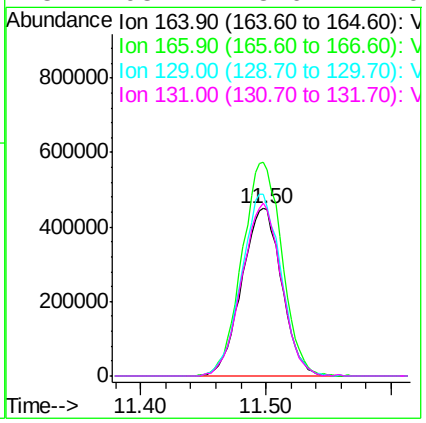


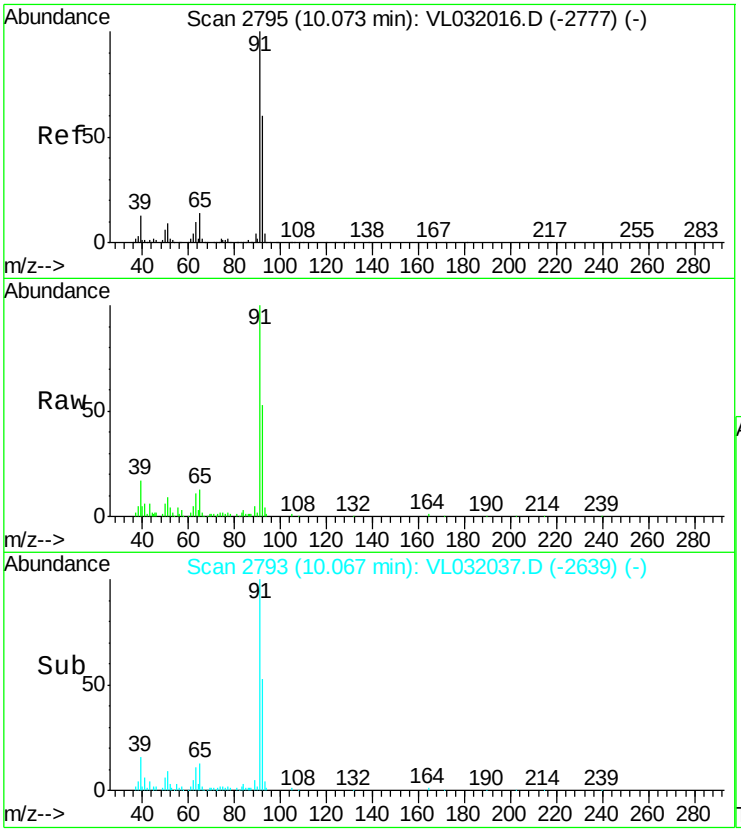


#52
Tetrachloroethene
Concen: 12.28 ppbv
RT: 11.50 min Scan# 3238
Delta R.T. -0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion:164 Resp: 995021

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	108.9	85.4	128.0
131	103.4	78.0	117.0



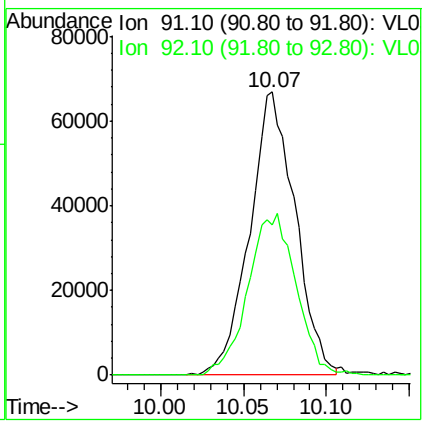


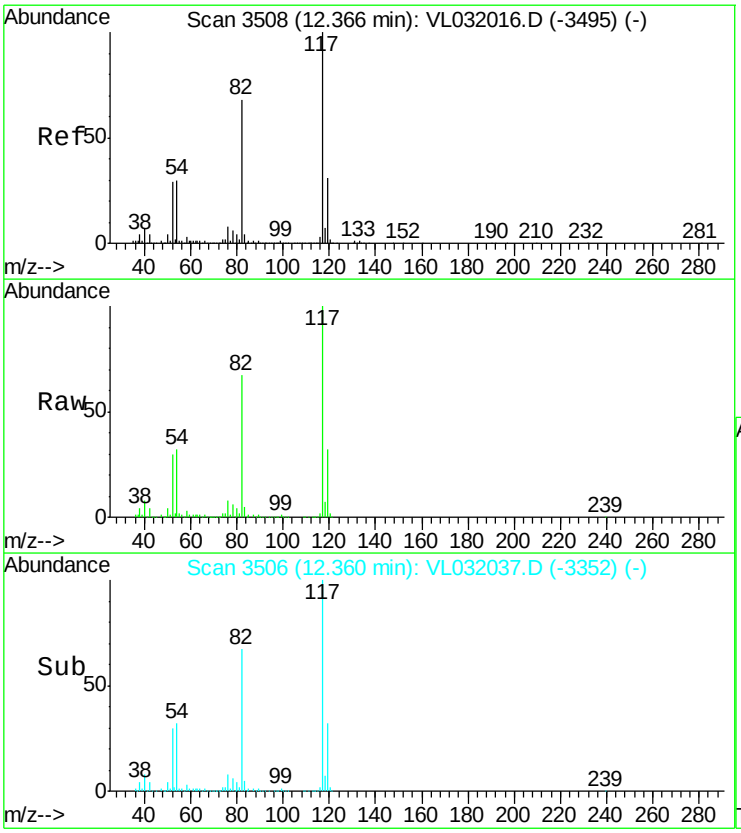
#53
Toluene
Concen: 0.56 ppbv
RT: 10.07 min Scan# 2793
Delta R.T. -0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 91 Resp: 127532

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.2	72.2

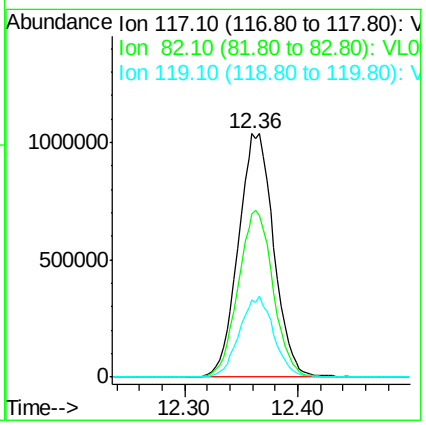


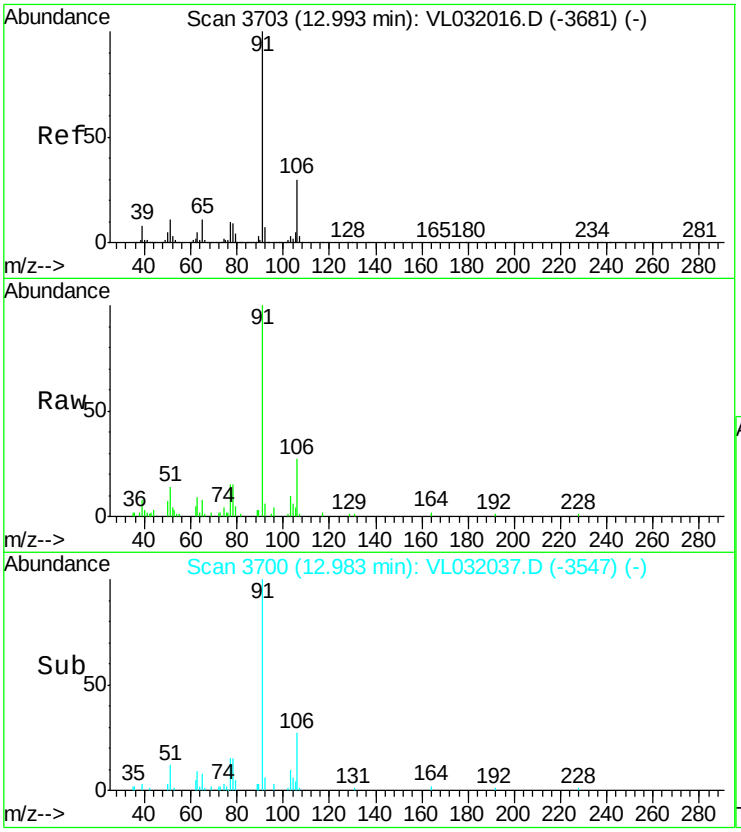


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.36 min Scan# 3506
Delta R.T. -0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion:117 Resp: 2258150

Ion	Ratio	Lower	Upper
117	100		
82	67.5	52.7	79.1
119	32.2	25.5	38.3



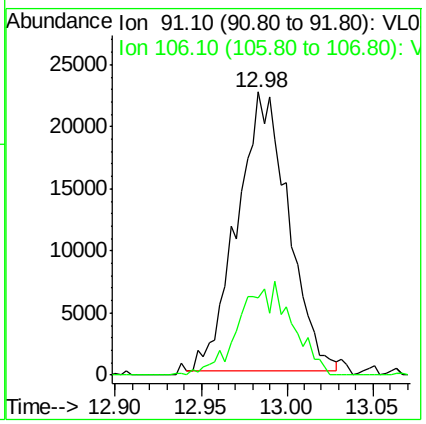


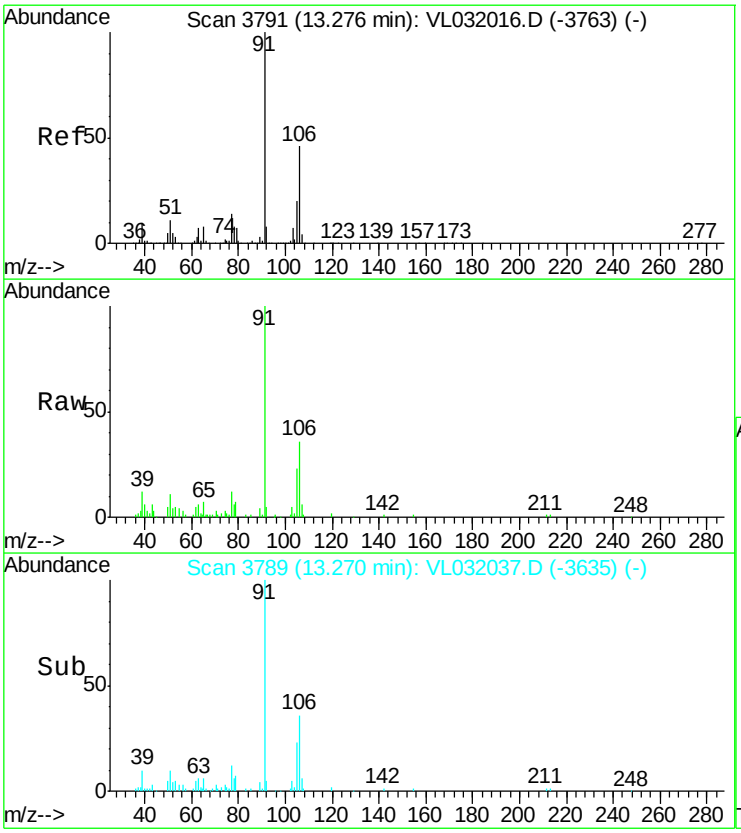
#58
Ethyl Benzene
Concen: 0.15 ppbv
RT: 12.98 min Scan# 3700
Delta R.T. -0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 91 Resp: 46406

Ion	Ratio	Lower	Upper
91	100		
106	27.9	24.2	36.2

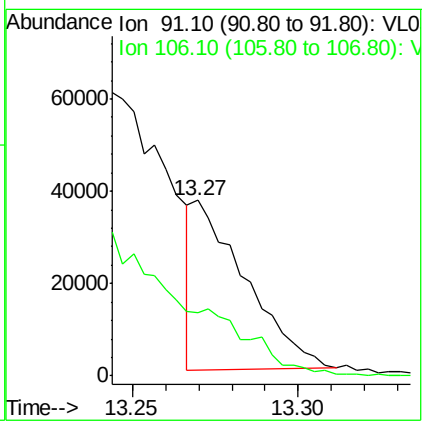


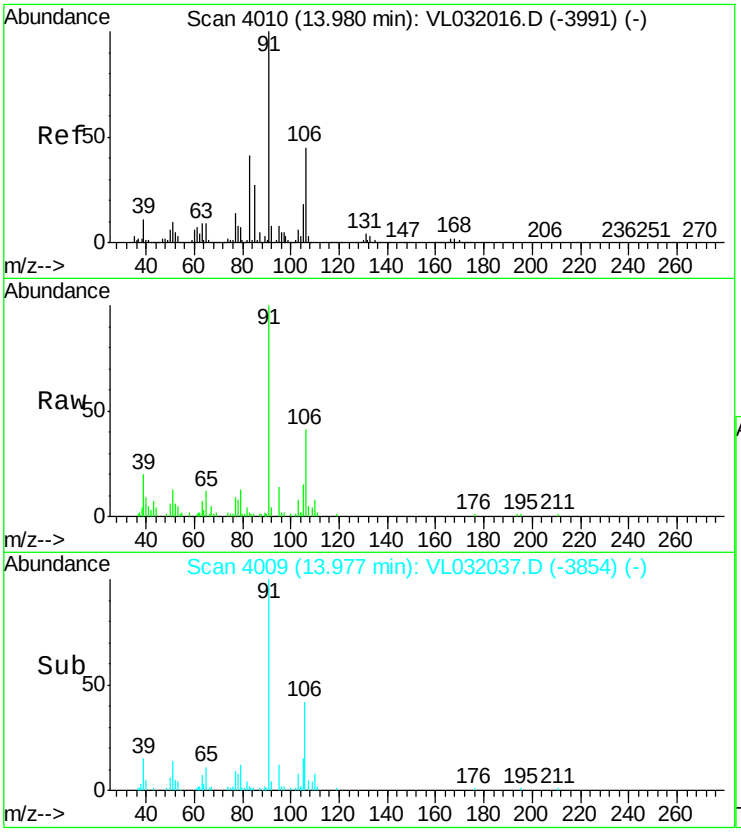


#59
m/p-Xylene
Concen: 0.14 ppbv
RT: 13.27 min Scan# 3789
Delta R.T. -0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 91 Resp: 40345

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.7	53.5#



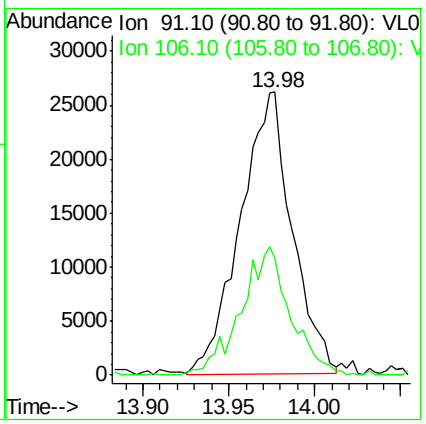


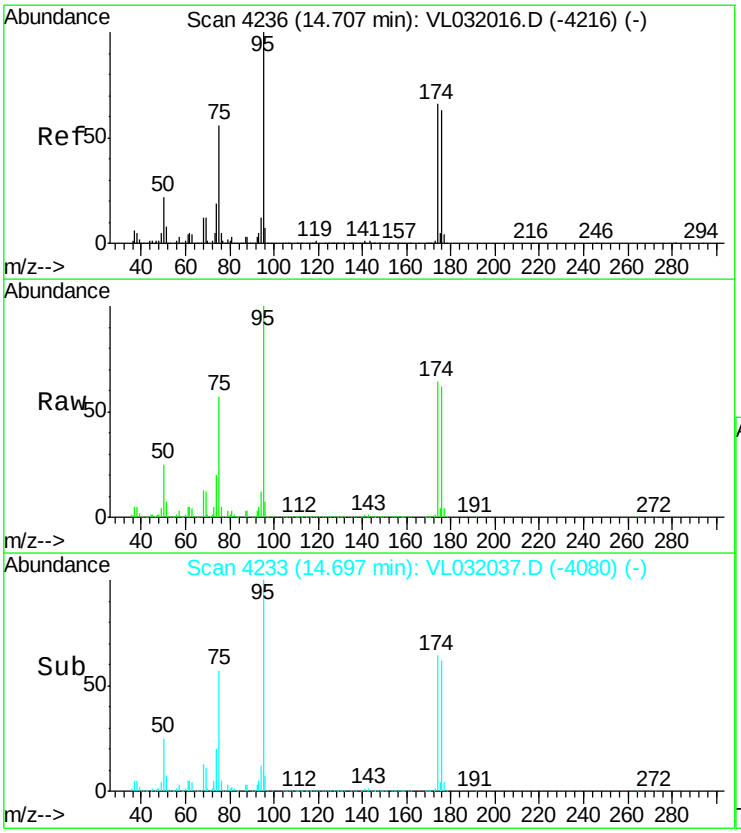
#60
o-Xylene
Concen: 0.20 ppbv
RT: 13.98 min Scan# 4009
Delta R.T. -0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 91 Resp: 54696

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.9	65.5

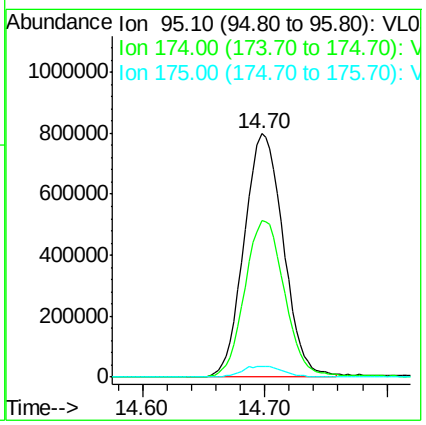


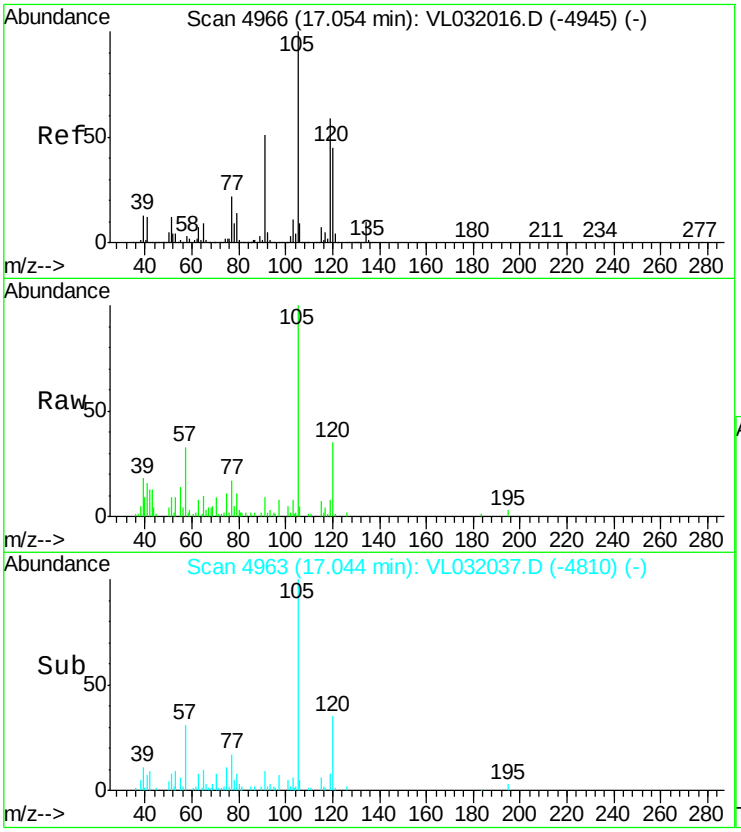


#68
1-Bromo-4-Fluorobenzene
Concen: 10.17 ppbv
RT: 14.70 min Scan# 4233
Delta R.T. -0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion: 95 Resp: 1774711

Ion	Ratio	Lower	Upper
95	100		
174	66.2	53.2	79.8
175	4.7	3.7	5.5



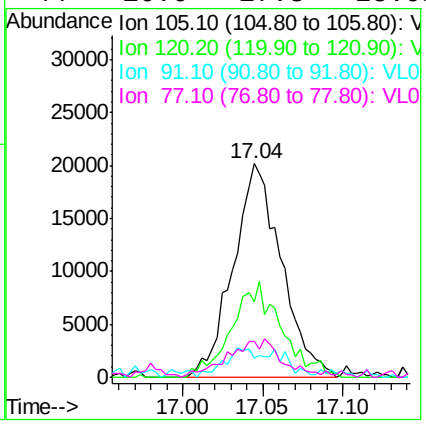


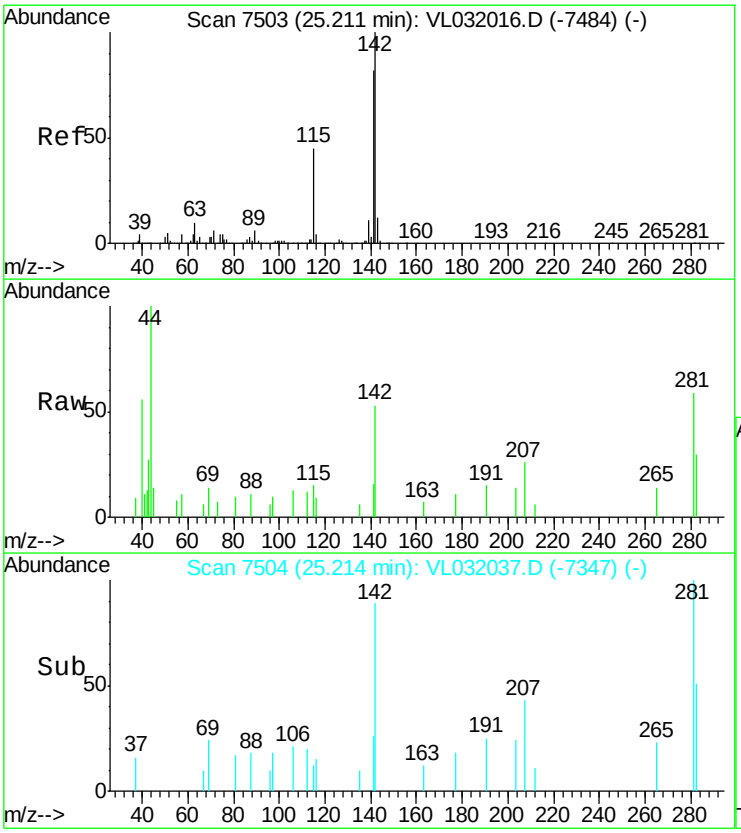
#74
1,2,4-Trimethylbenzene
Concen: 0.14 ppbv
RT: 17.04 min Scan# 4963
Delta R.T. -0.01 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:105 Resp: 41600

Ion	Ratio	Lower	Upper
105	100		
120	35.2	36.0	54.0#
91	6.9	41.4	62.0#
77	16.0	17.3	25.9#





#80
Naphthalene,2-methyl-
Concen: 0.03 ppbv
RT: 25.21 min Scan# 7504
Delta R.T. 0.00 min
Lab File: VL032037.D
Acq: 2 Jun 2018 1:34

Tgt Ion:142 Resp: 1274

Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.4	101.2
115	74.6	35.3	52.9#