Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\

Quantitation Report (Not Reviewed)

Data File : VL031971.D
Acq On : 3 May 2018 20:39
Operator : SY/AP
Sample : J2629-04DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Quant Time: May 04 03:27:12 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.88	49	1060516	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.42	114	2433487	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.39	117	2124319	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.72	95	1726321	10.48	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.16	85	39121	0.28	ppbv		91
3) Chlorodifluoromethane	3.07	51	251952	2.52	ppbv	#	63
4) Chloromethane	3.25	50	41017	0.78	ppbv		96
7) Chloroethane	3.69	64	598	0.03	ppbv	#	38
8) Dichlorotetrafluoroethane	3.31	85	1858	0.01	ppbv	#	71
9) Propene	3.14	41	13028	0.36	ppbv	#	81
10) Heptane	8.38	43	4266	0.03	ppbv	#	27
11) Trichlorofluoromethane	4.11	101	36795	0.22	ppbv		90
12) 1,1,2-Trichlorotrifluoroet	4.66	101	2555	0.02	ppbv	#	12
13) Ethanol	3.75	45	839032	61.44	ppbv	#	100
15) Acetone	4.00	43	715057	4.77	ppbv		98
19) Isopropyl Alcohol	4.13	45	510702	6.30	ppbv	#	98
20) Methylene Chloride	4.52	84	153277	3.03	ppbv		91
23) Vinyl Acetate	5.26	43	61679	0.36	ppbv	#	85
25) Ethyl Acetate	5.90	43	178023	0.69	ppbv	#	84
26) Hexane	5.90	57	228228	1.89	ppbv	#	47
29) Chloroform	5.97	83	11365	0.06	ppbv		91
30) Cyclohexane	7.38	84	5340	0.07	ppbv	#	1
32) 1,1,1-Trichloroethane	6.75	97	19966	0.11	ppbv	#	35
34) 2-Butanone	5.45	43	81160	0.40	ppbv		97
35) Carbon Tetrachloride	7.27	117	10312	0.05	ppbv	#	78
36) Benzene	7.13	78	22717	0.10	ppbv	#	91
37) 1,2-Dichloroethane	6.54	62	2080	0.01	ppbv	#	83
39) 1,2-Dichloropropane	7.42	63	644041	8.07	ppbv	#	24
41) Tetrahydrofuran	6.27	42	1038	0.01	ppbv	#	35
53) Toluene	10.09	91	34768	0.14	ppbv	#	75
58) Ethyl Benzene	13.00	91	10883	0.04	ppbv		99
59) m/p-Xylene	13.30	91	11650	0.05	ppbv	#	31
60) o-Xylene	14.00	91	6580	0.03	ppbv	#	1
61) Styrene	13.84	104	1403	0.03	ppbv	#	1
73) 1,3,5-Trimethylbenzene	16.30	105	2849	0.01	ppbv	#	31
74) 1,2,4-Trimethylbenzene	17.07	105	5260	0.02	ppbv	#	67
79) Naphthalene	22.58	128	1996	0.01	ppbv	#	69
80) Naphthalene,2-methyl-	25.22	142	1211	0.03	ppbv	#	82

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

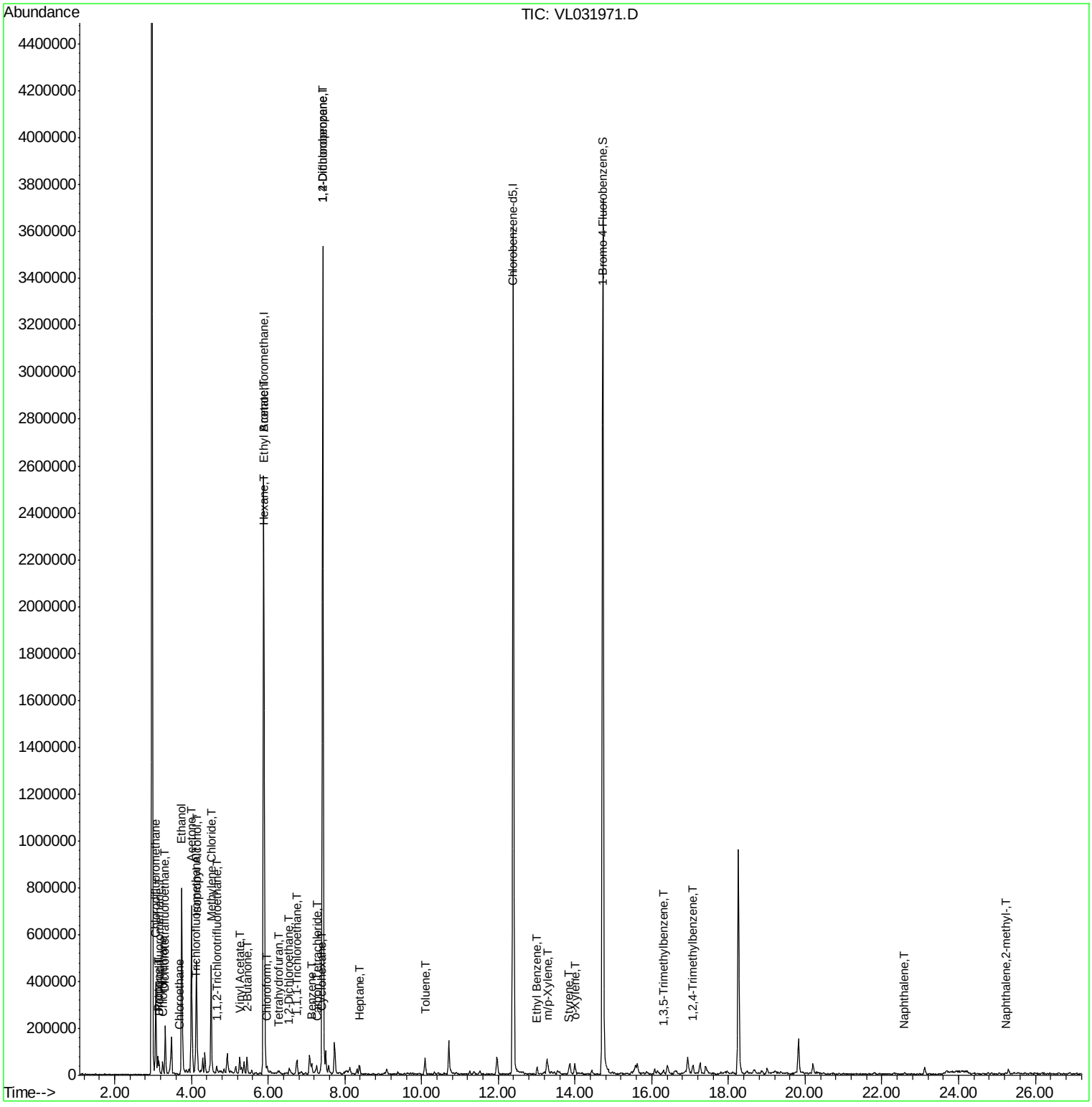
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\

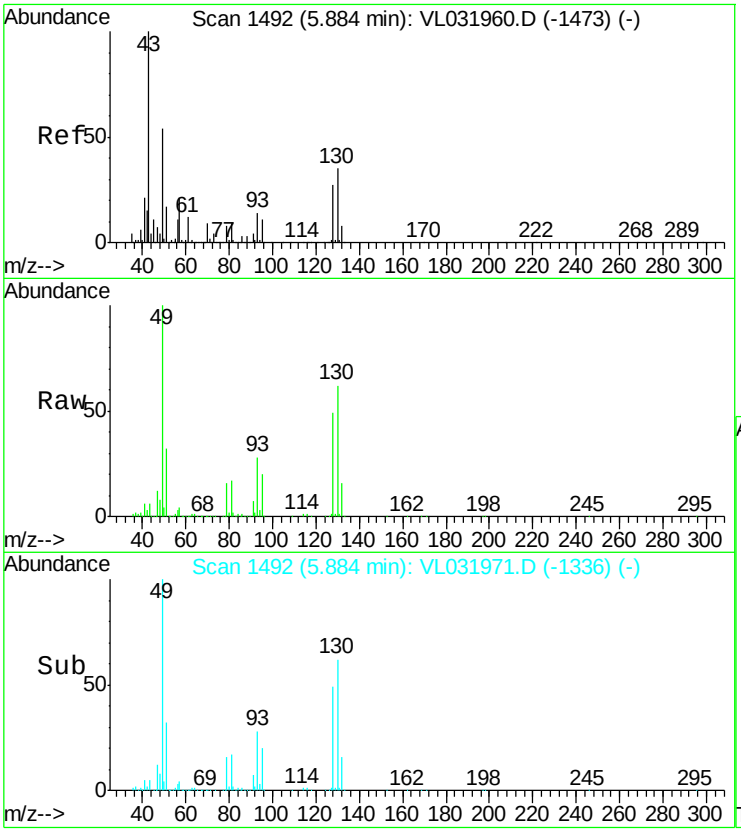
Quantitation Report (Not Reviewed)

Data File : VL031971.D
Acq On : 3 May 2018 20:39
Operator : SY/AP
Sample : J2629-04DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Quant Time: May 04 03:27:12 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration



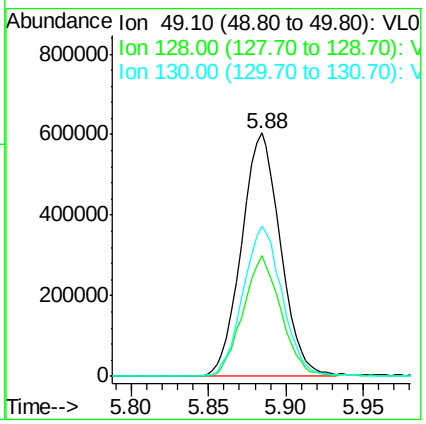


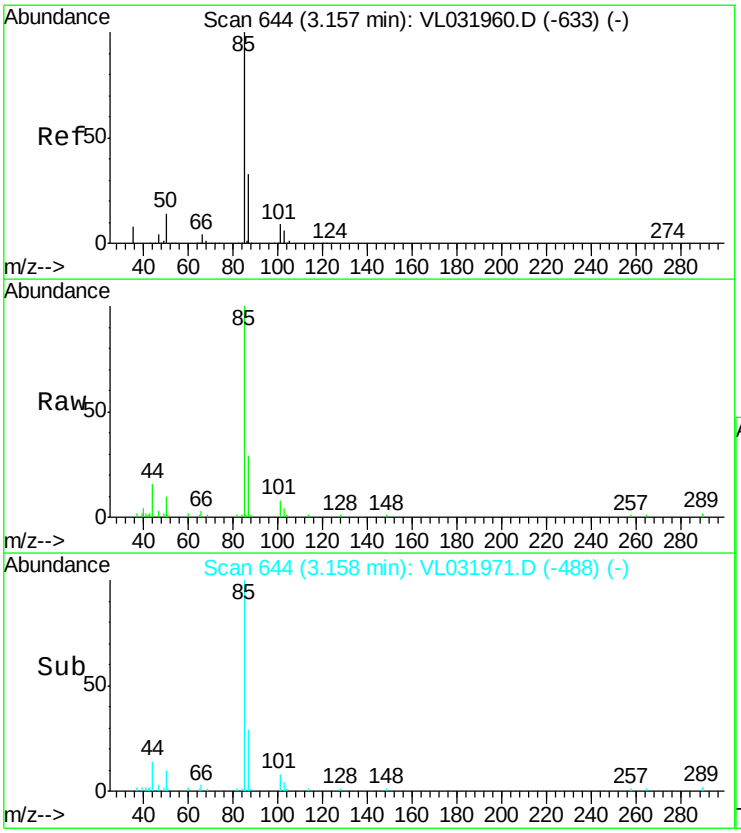
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 49 Resp: 1060516

Ion	Ratio	Lower	Upper
49	100		
128	48.8	24.1	72.3
130	62.4	30.7	92.1

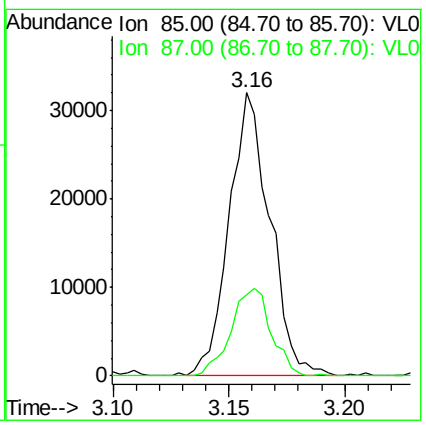


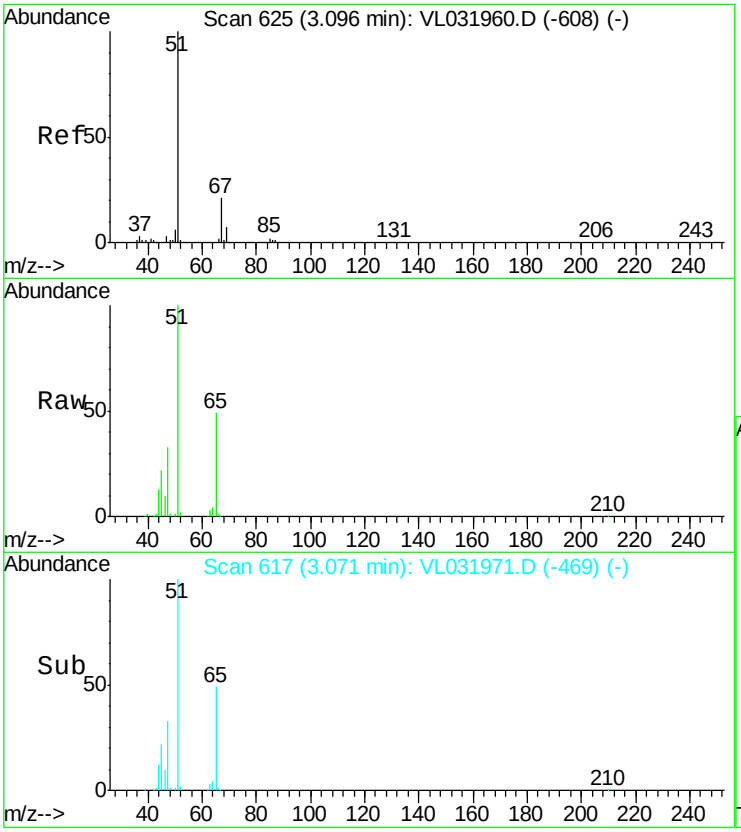


#2
Dichlorodifluoromethane
Concen: 0.28 ppbv
RT: 3.16 min Scan# 644
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 85 Resp: 39121

Ion	Ratio	Lower	Upper
85	100		
87	28.6	26.8	40.2



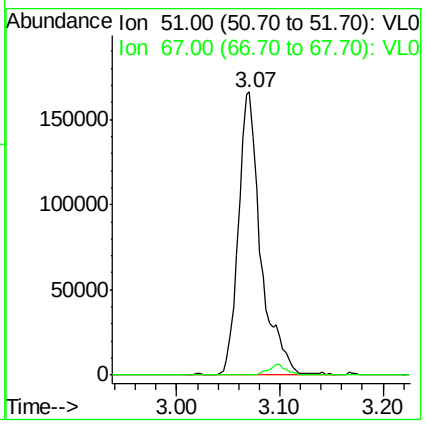


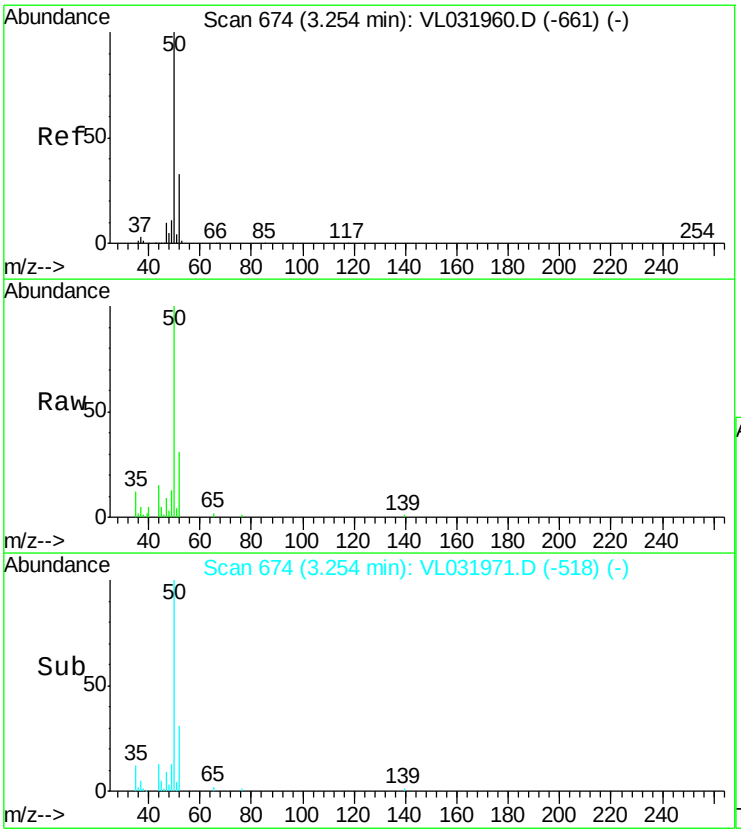
#3
Chlorodifluoromethane
Concen: 2.52 ppbv
RT: 3.07 min Scan# 617
Delta R.T. -0.03 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 51 Resp: 251952

Ion	Ratio	Lower	Upper
51	100		
67	3.1	15.9	23.9#

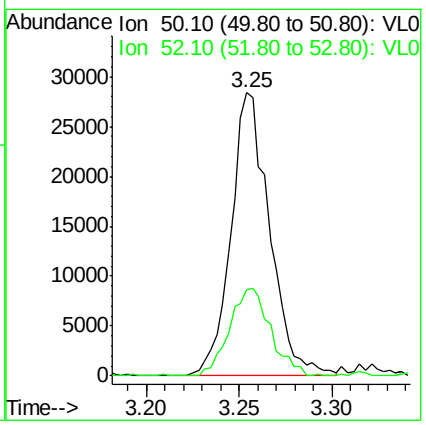


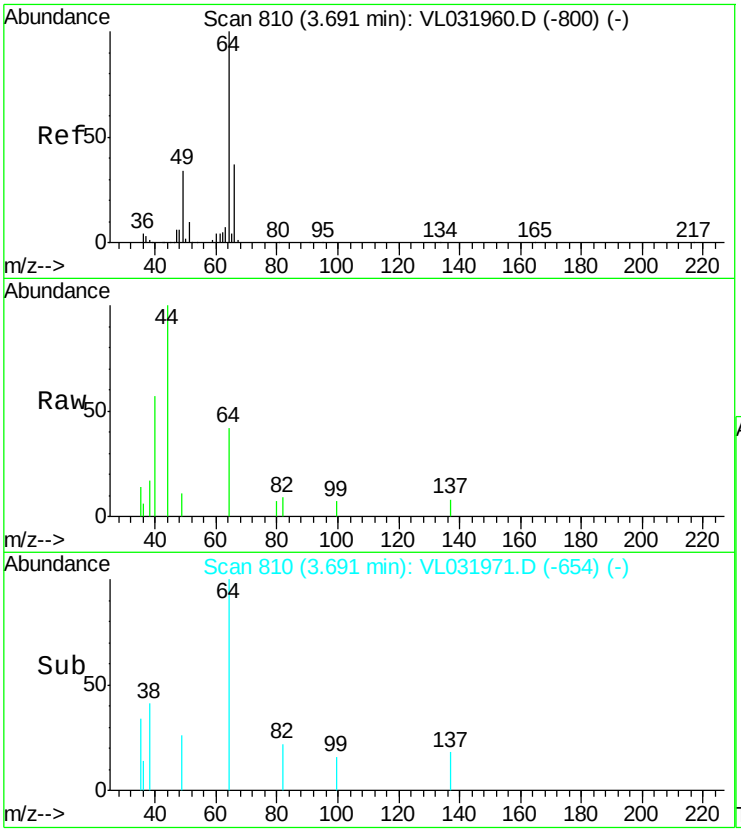


#4
Chloromethane
Concen: 0.78 ppbv
RT: 3.25 min Scan# 674
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 50 Resp: 41017

Ion	Ratio	Lower	Upper
50	100		
52	30.7	26.6	39.8



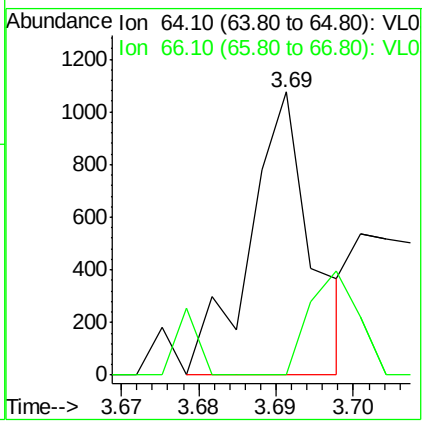


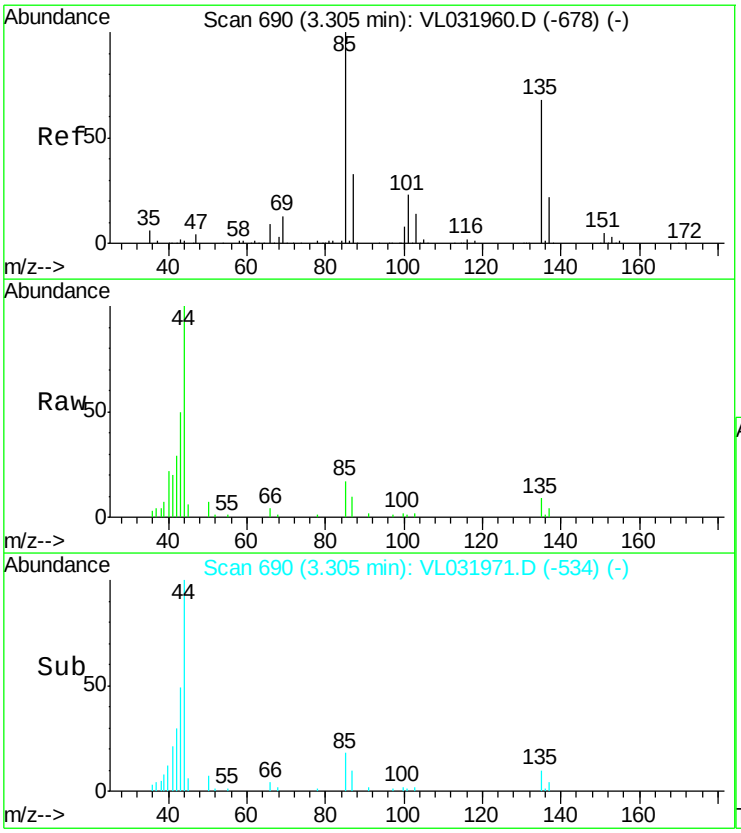
#7
Chloroethane
Concen: 0.03 ppbv
RT: 3.69 min Scan# 810
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 64 Resp: 598

Ion	Ratio	Lower	Upper
64	100		
66	0.0	29.6	44.4#

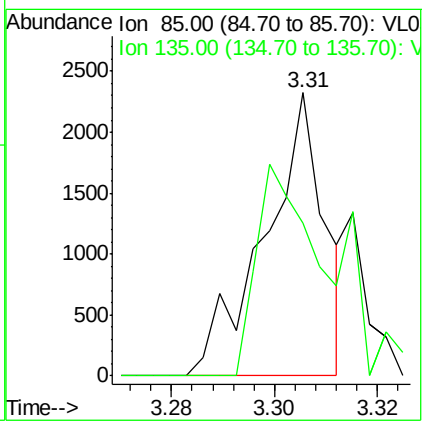


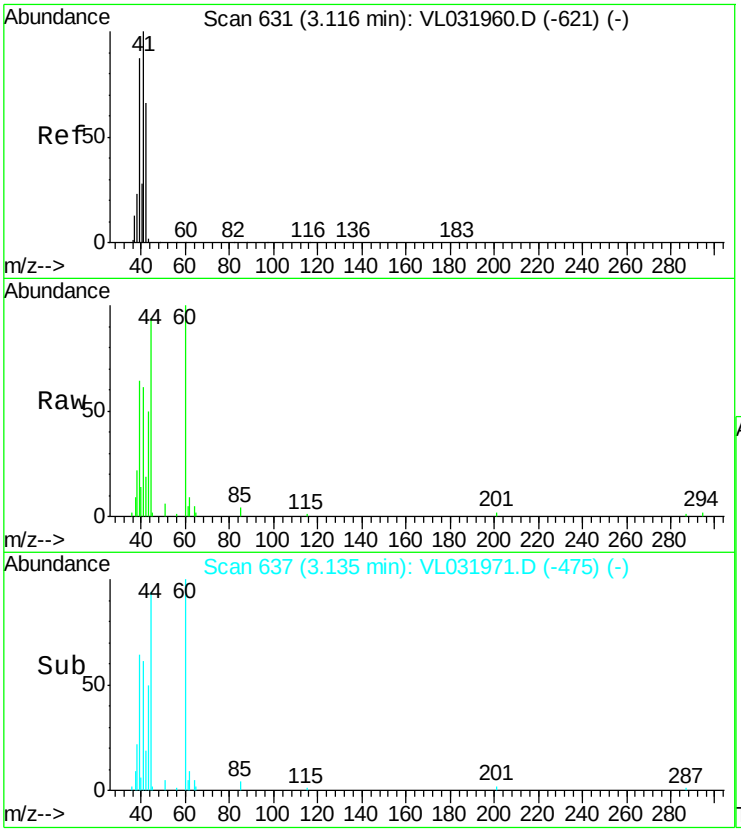


#8
Dichlorotetrafluoroethane
Concen: 0.01 ppbv
RT: 3.31 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 85 Resp: 1858

Ion	Ratio	Lower	Upper
85	100		
135	92.0	54.8	82.2#



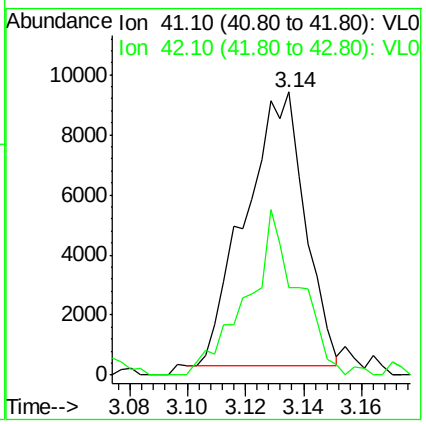


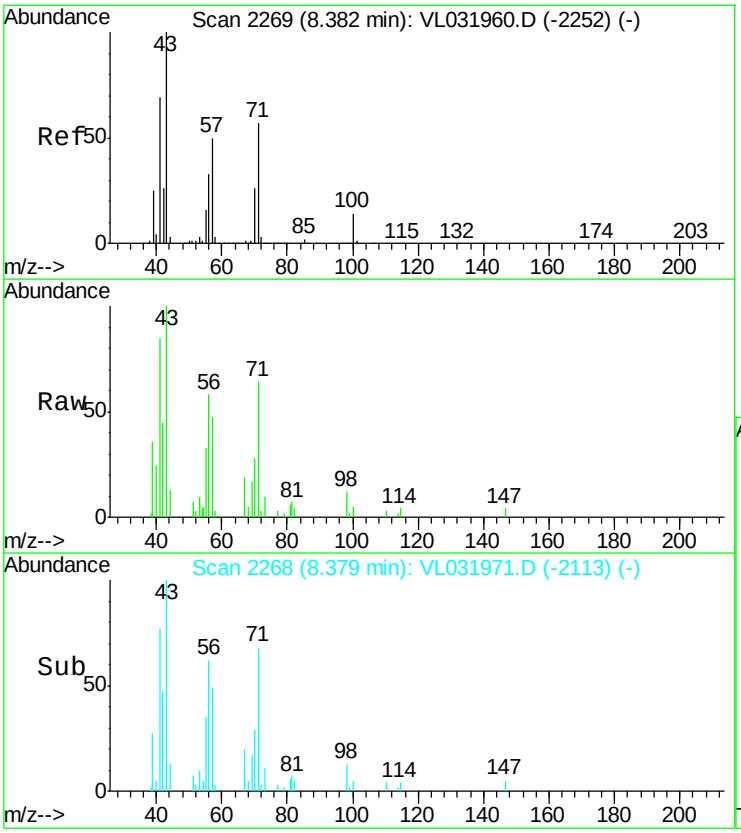
#9
Propene
Concen: 0.36 ppbv
RT: 3.14 min Scan# 637
Delta R.T. 0.02 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 41 Resp: 13028

Ion	Ratio	Lower	Upper
41	100		
42	52.1	53.9	80.9#

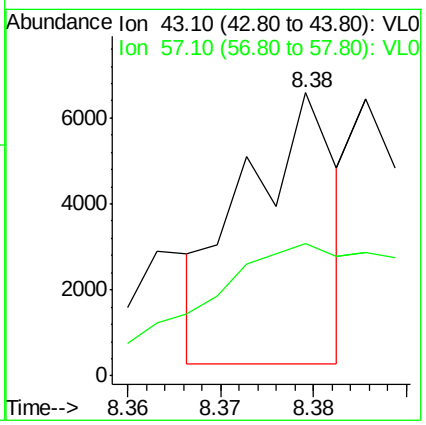


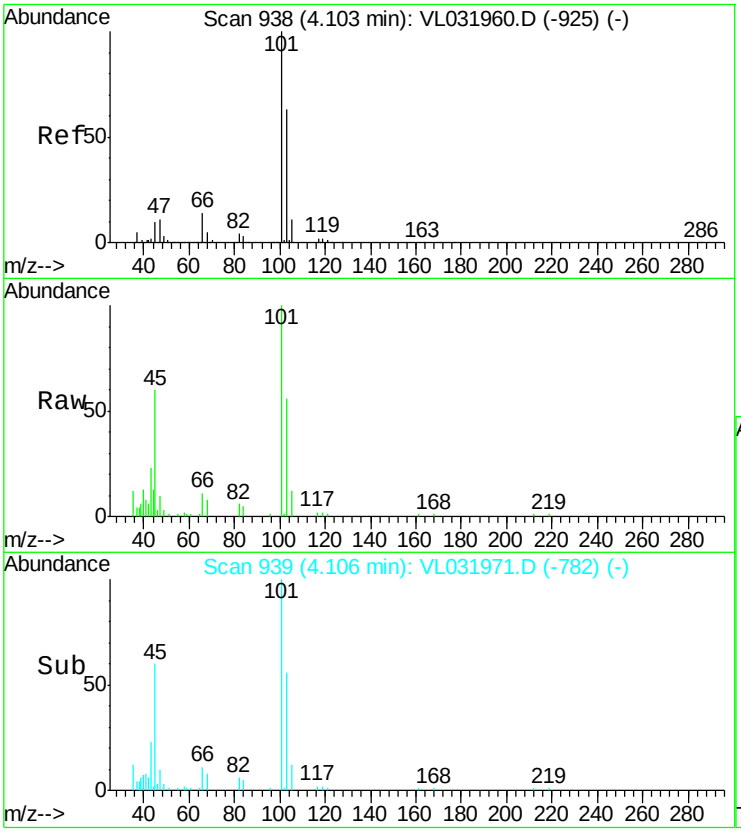


#10
Heptane
Concen: 0.03 ppbv
RT: 8.38 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 43 Resp: 4266

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.7	61.1#



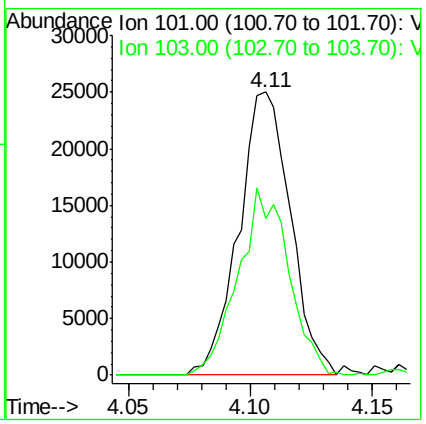


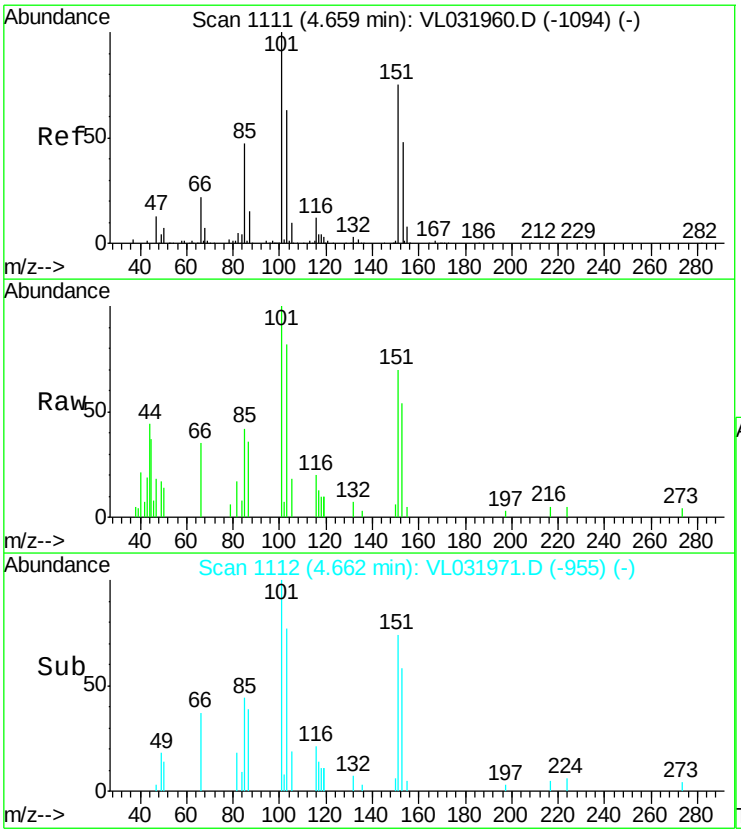
#11
Trichlorofluoromethane
Concen: 0.22 ppbv
RT: 4.11 min Scan# 939
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion:101 Resp: 36795

Ion	Ratio	Lower	Upper
101	100		
103	55.5	50.7	76.1

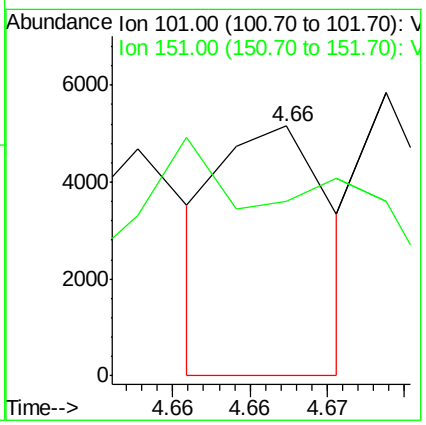


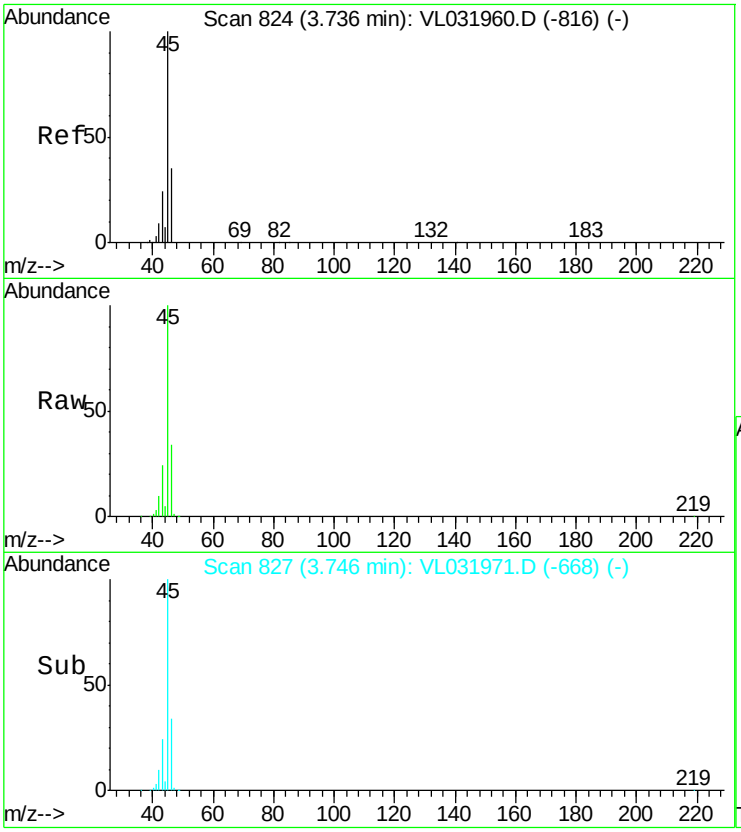


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.02 ppbv
RT: 4.66 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion:101 Resp: 2555

Ion	Ratio	Lower	Upper
101	100		
151	0.0	60.2	90.2#



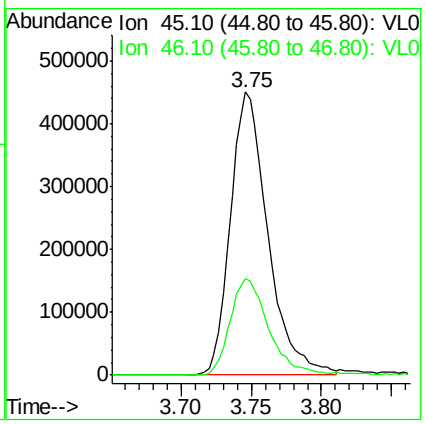


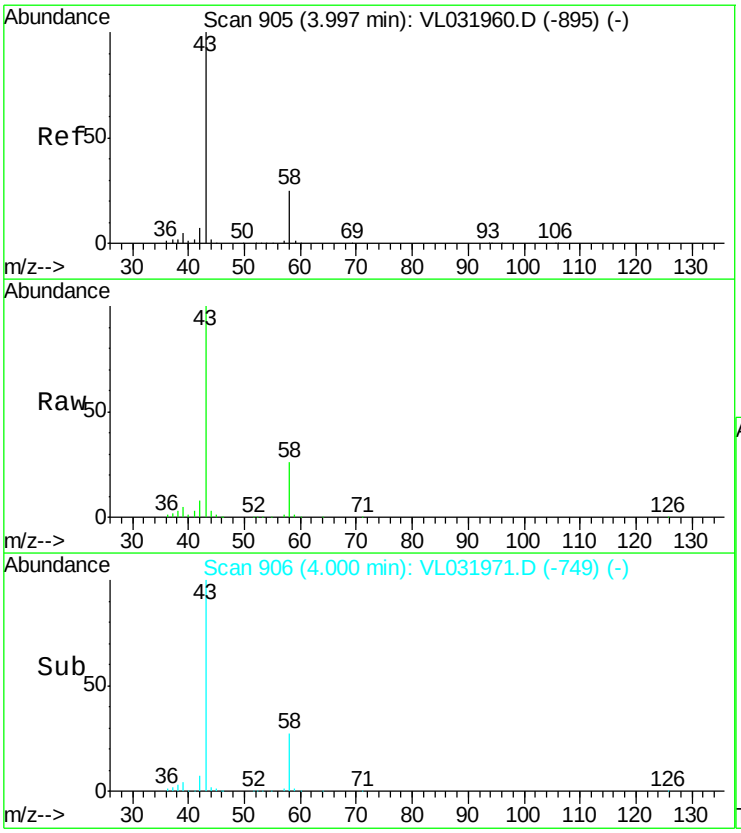
#13
Ethanol
Concen: 61.44 ppbv
RT: 3.75 min Scan# 827
Delta R.T. 0.01 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 45 Resp: 839032

Ion	Ratio	Lower	Upper
45	100		
46	36.1	0.0	0.0#

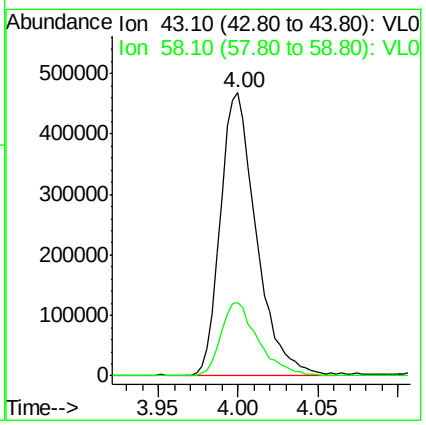


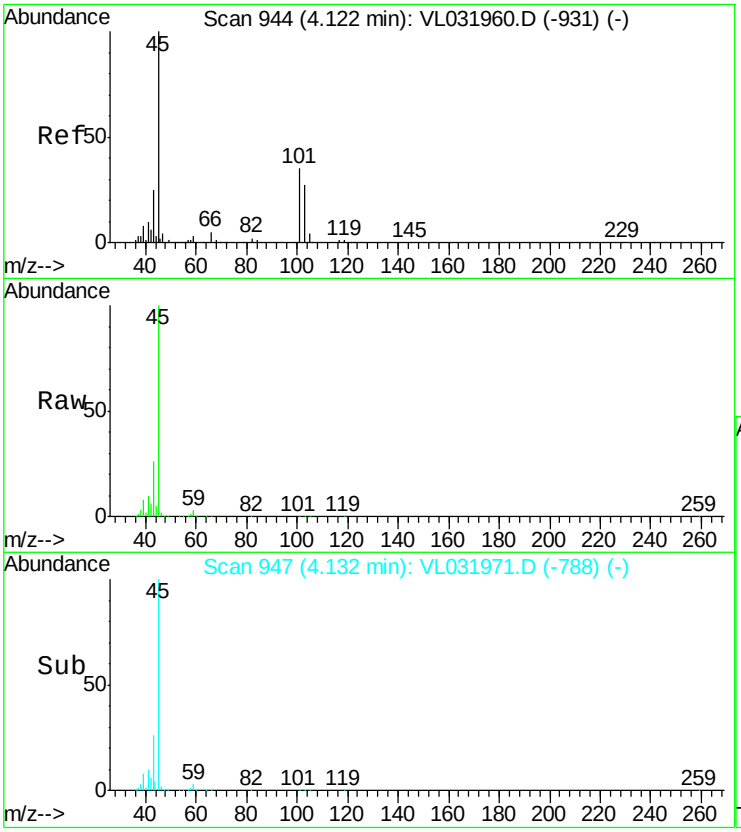


#15
Acetone
Concen: 4.77 ppbv
RT: 4.00 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 43 Resp: 715057

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.1	31.7



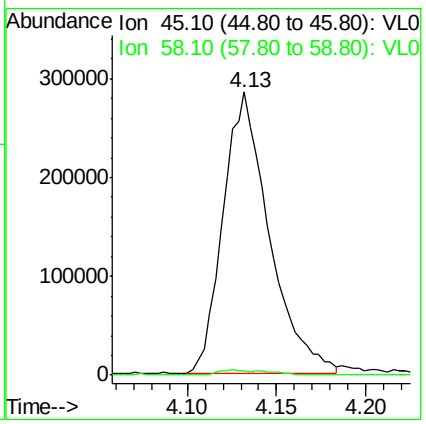


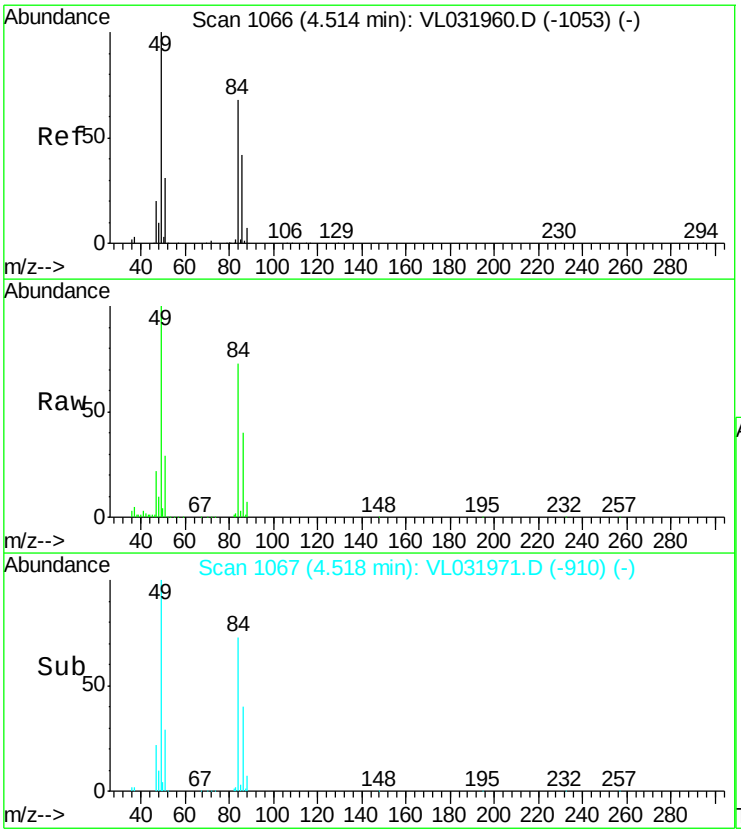
#19
Isopropyl Alcohol
Concen: 6.30 ppbv
RT: 4.13 min Scan# 947
Delta R.T. 0.01 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 45 Resp: 510702

Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.4	2.2#

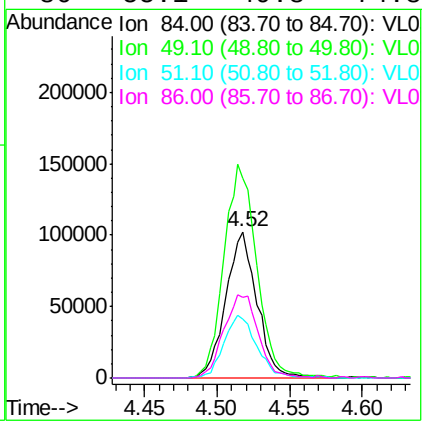


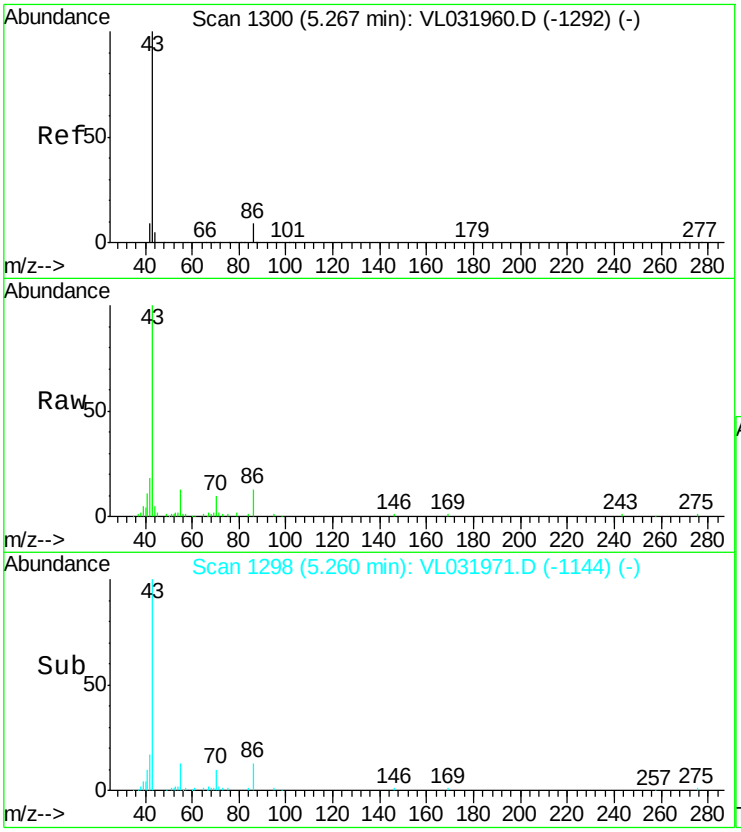


#20
Methylene Chloride
Concen: 3.03 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 84 Resp: 153277

Ion	Ratio	Lower	Upper
84	100		
49	136.3	118.6	178.0
51	40.2	36.6	54.8
86	55.1	49.8	74.8



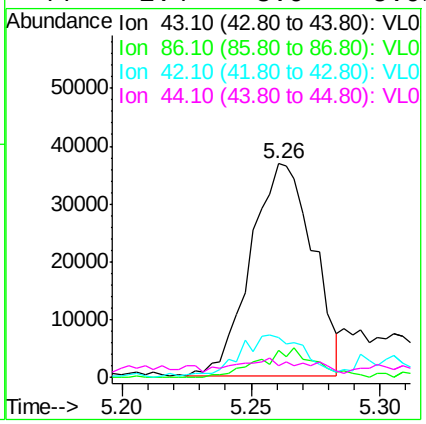


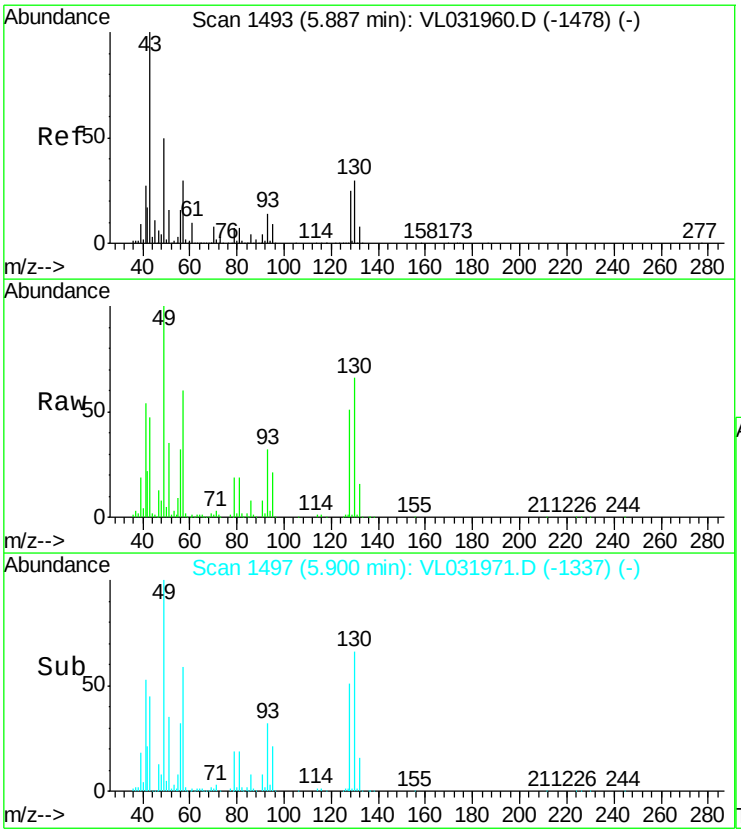
#23
Vinyl Acetate
Concen: 0.36 ppbv
RT: 5.26 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 43 Resp: 61679

Ion	Ratio	Lower	Upper
43	100		
86	12.8	6.1	9.1#
42	17.3	8.0	12.0#
44	2.4	3.9	5.9#

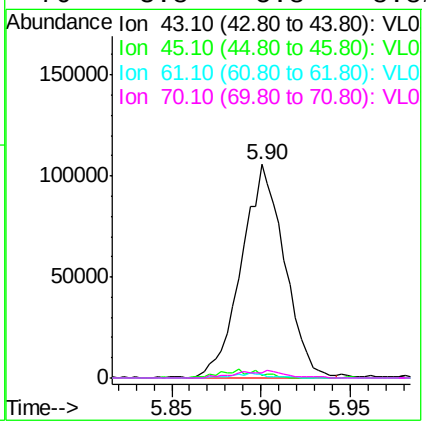


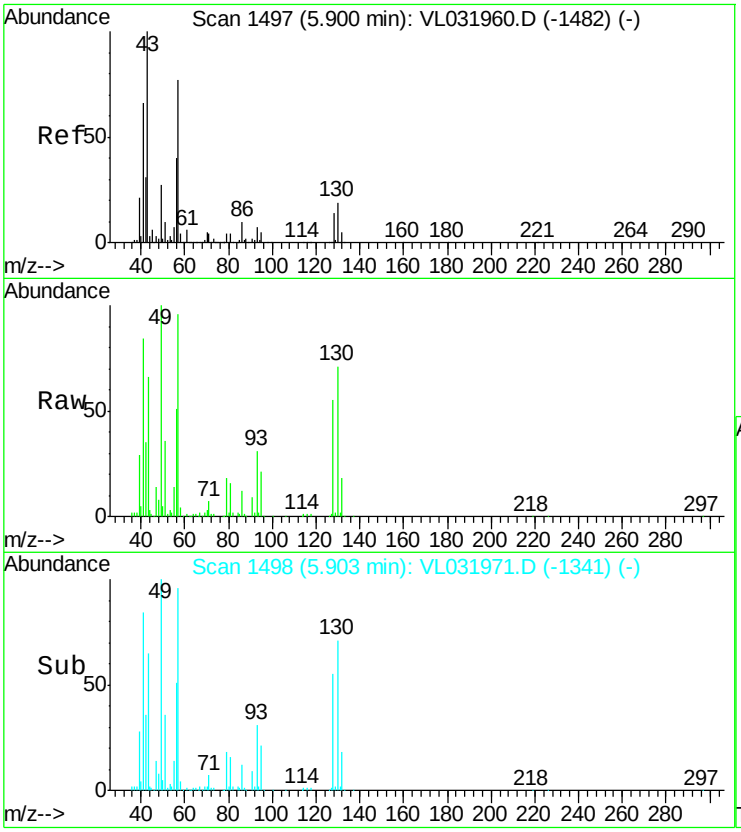


#25
Ethyl Acetate
Concen: 0.69 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 43 Resp: 178023

Ion	Ratio	Lower	Upper
43	100		
45	3.9	7.8	11.6#
61	1.9	7.4	11.2#
70	3.8	5.8	8.8#



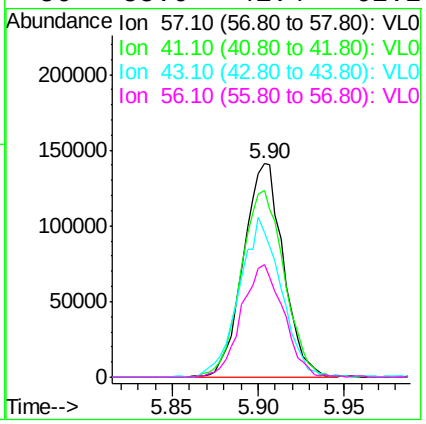


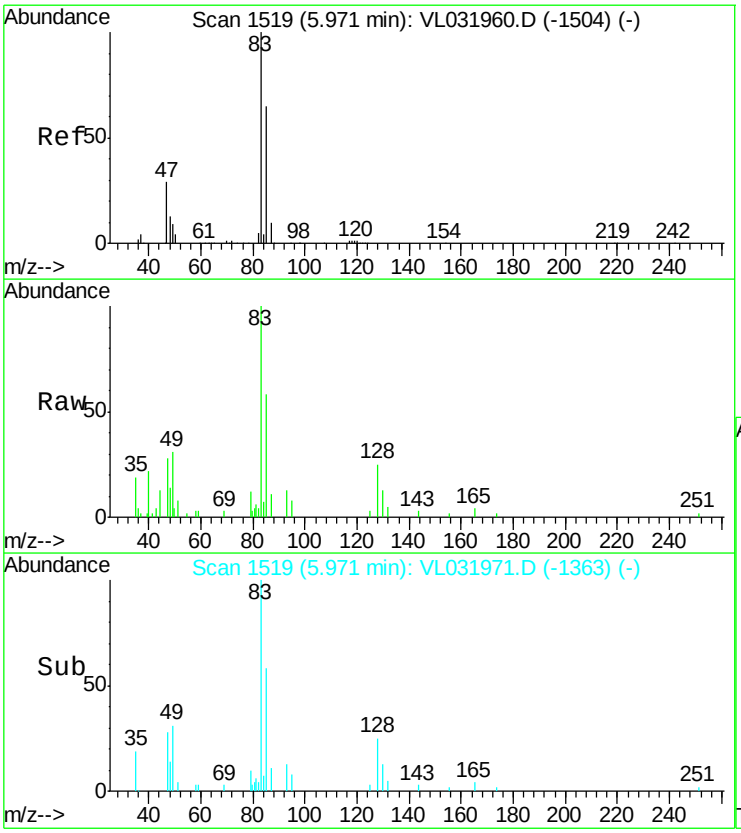
#26
Hexane
Concen: 1.89 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 57 Resp: 228228

Ion	Ratio	Lower	Upper
57	100		
41	94.4	71.8	107.6
43	79.3	171.5	257.3#
56	55.6	41.4	62.2

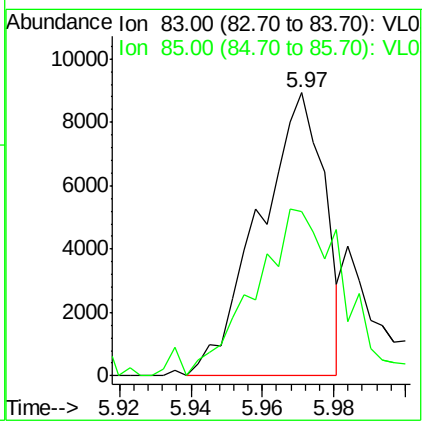


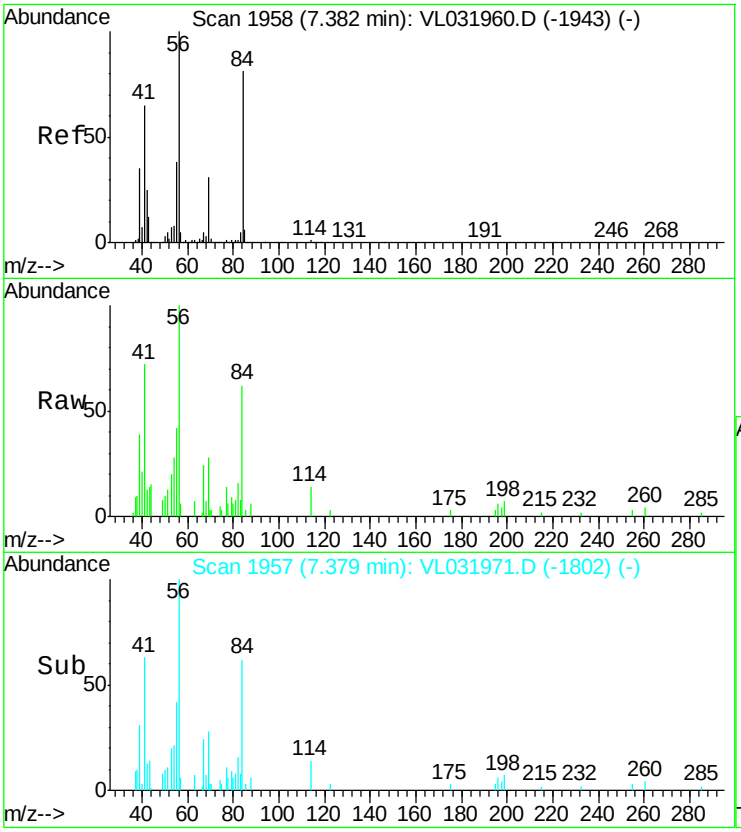


#29
Chloroform
Concen: 0.06 ppbv
RT: 5.97 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 83 Resp: 11365

Ion	Ratio	Lower	Upper
83	100		
85	58.0	52.2	78.2



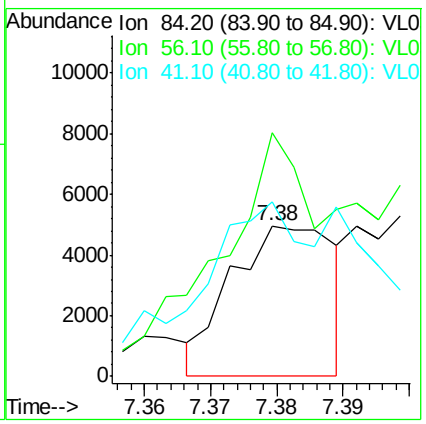


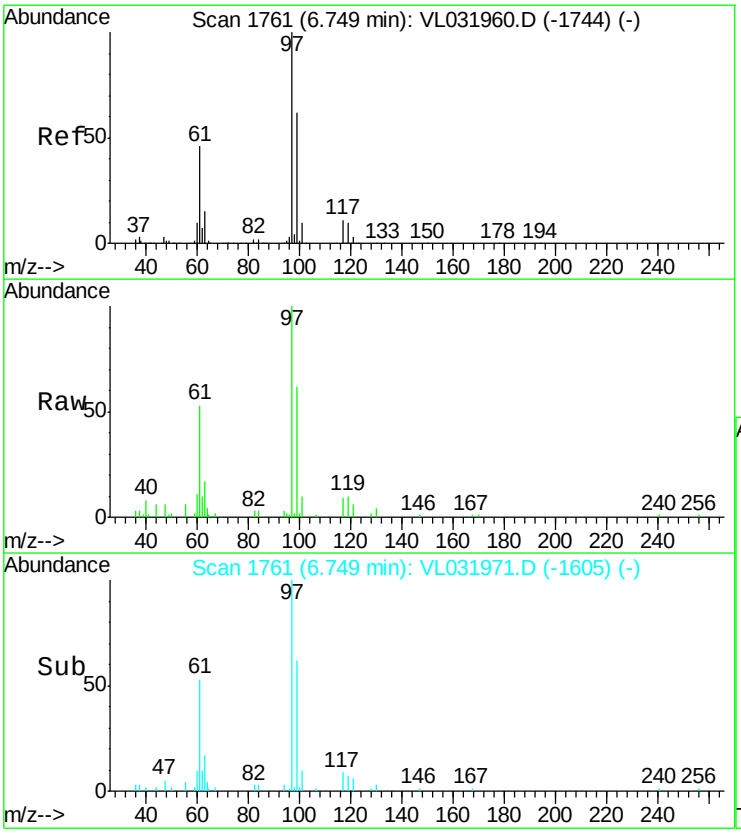
#30
Cyclohexane
Concen: 0.07 ppbv
RT: 7.38 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 84 Resp: 5340

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.0	162.0#
41	239.6	66.8	100.2#

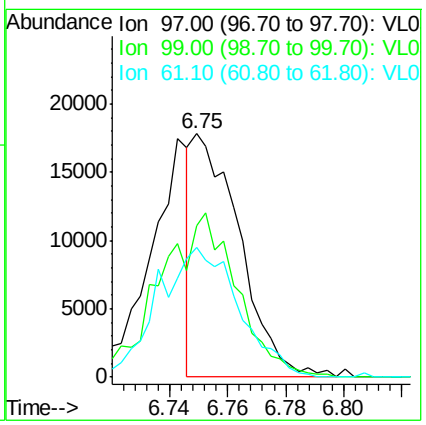


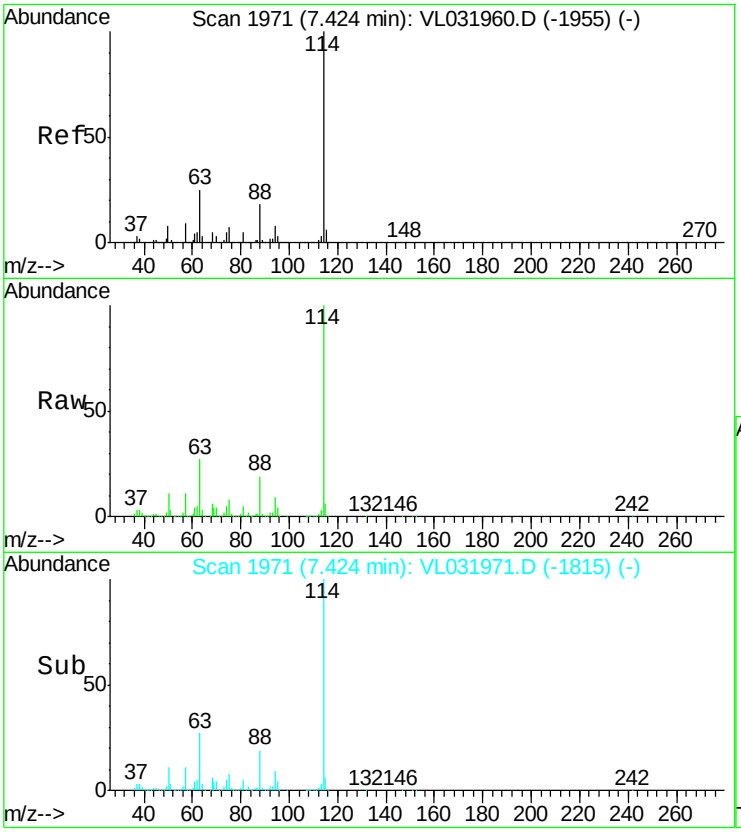


#32
1,1,1-Trichloroethane
Concen: 0.11 ppbv
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 97 Resp: 19966

Ion	Ratio	Lower	Upper
97	100		
99	112.4	51.0	76.6#
61	93.9	38.1	57.1#



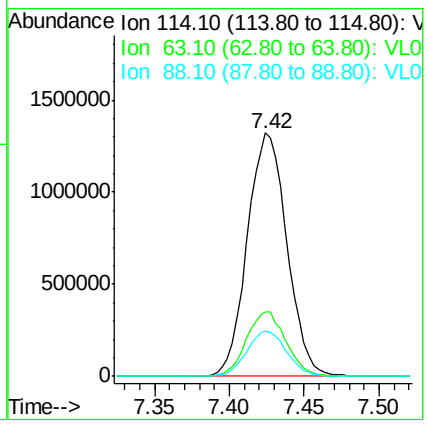


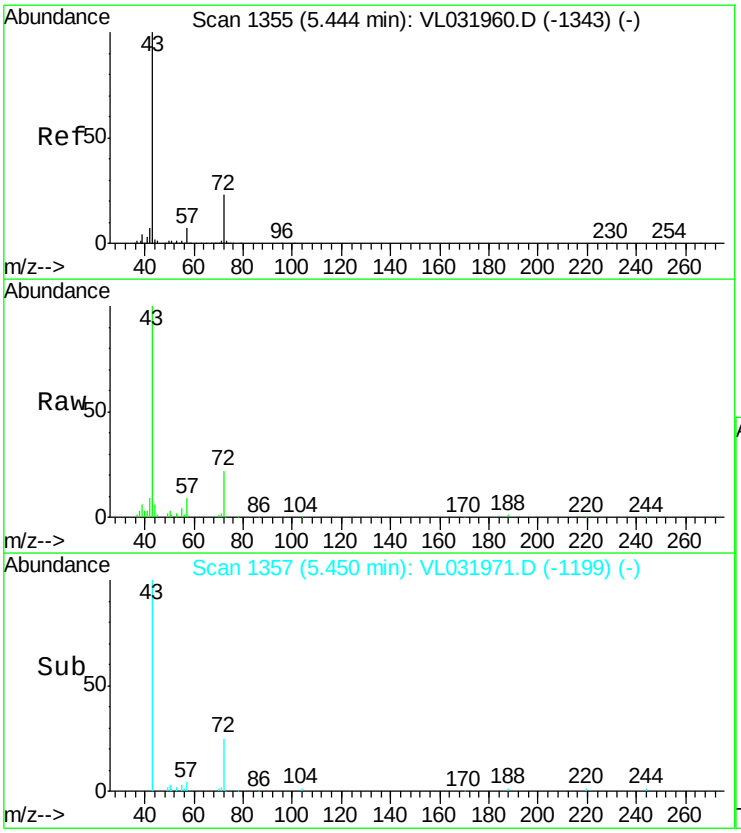
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion:114 Resp: 2433487

Ion	Ratio	Lower	Upper
114	100		
63	26.8	20.8	31.2
88	18.7	14.6	21.8

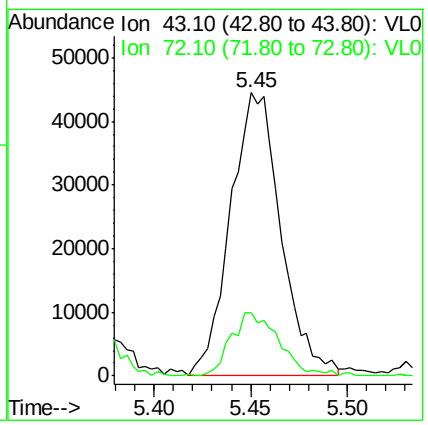


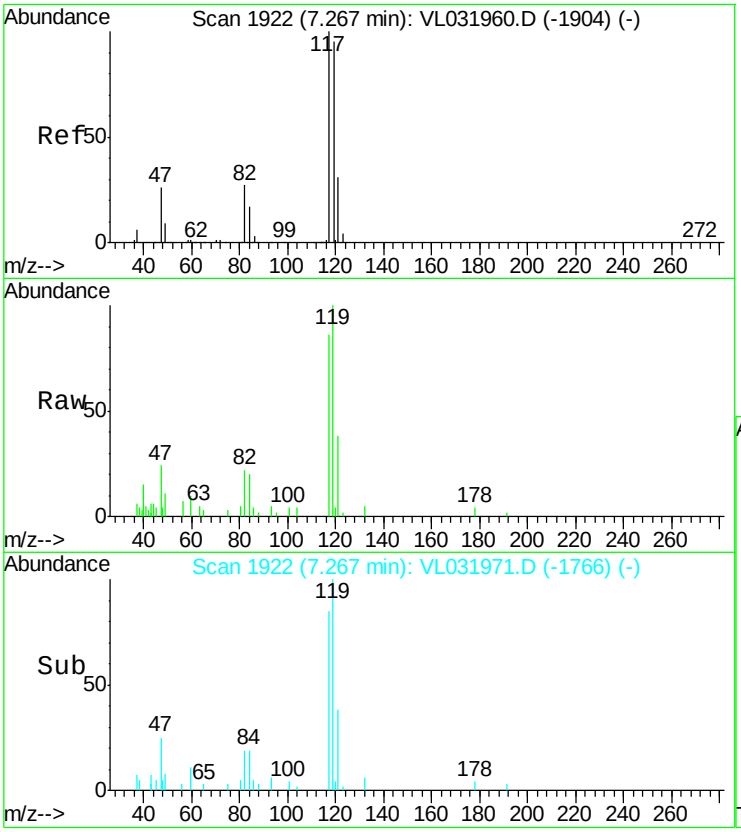


#34
2-Butanone
Concen: 0.40 ppbv
RT: 5.45 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 43 Resp: 81160

Ion	Ratio	Lower	Upper
43	100		
72	21.3	18.3	27.5



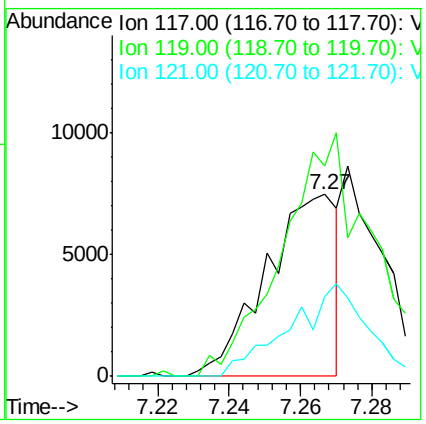


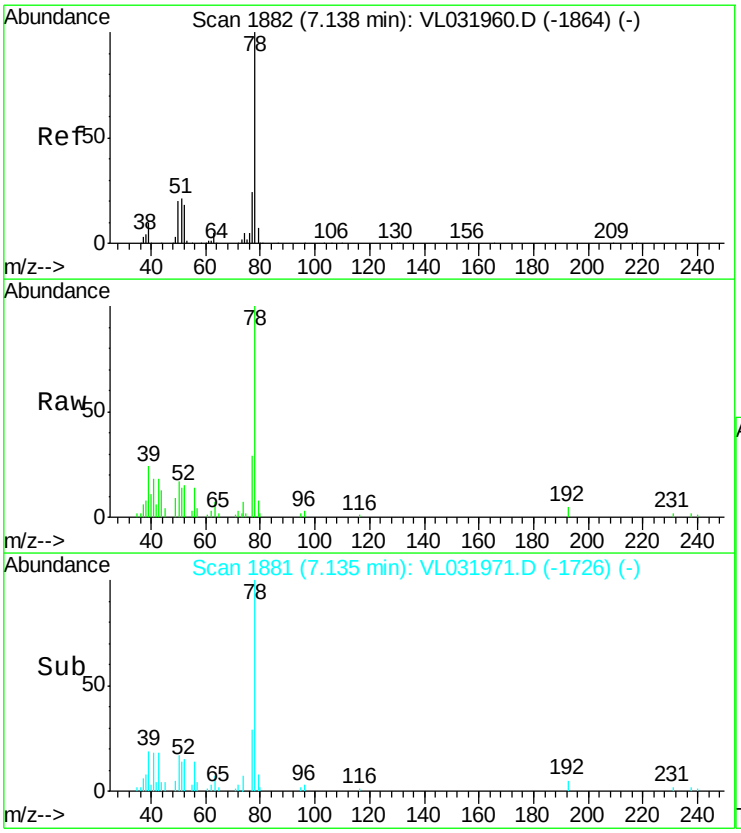
#35
Carbon Tetrachloride
Concen: 0.05 ppbv
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion:117 Resp: 10312

Ion	Ratio	Lower	Upper
117	100		
119	115.6	76.4	114.6#
121	44.2	24.4	36.6#

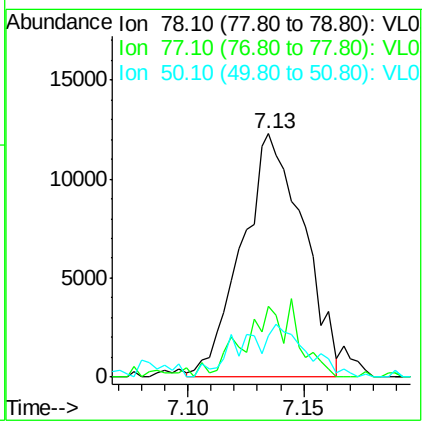


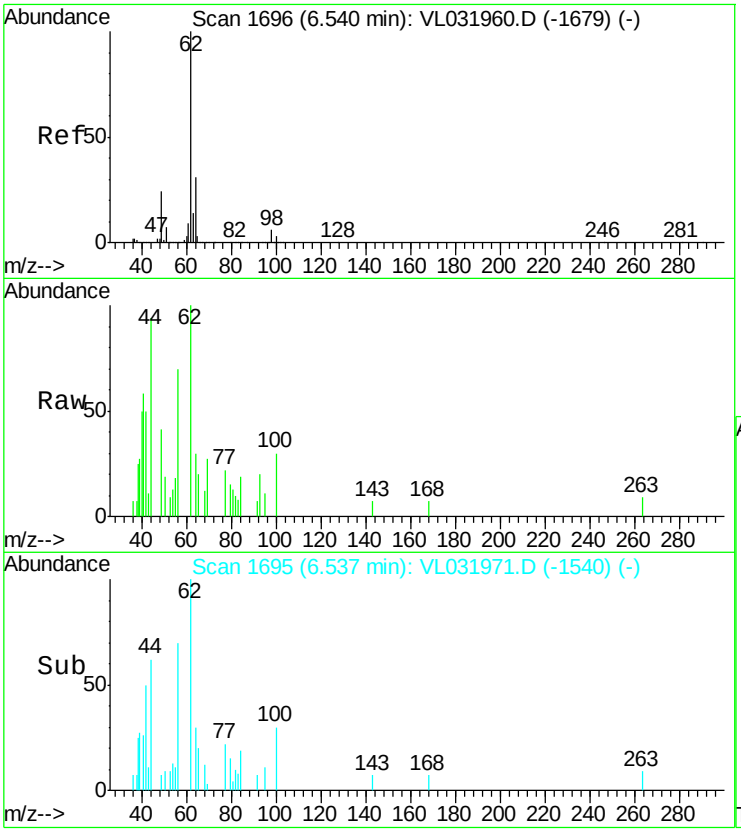


#36
Benzene
Concen: 0.10 ppbv
RT: 7.13 min Scan# 1881
Delta R.T. -0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 78 Resp: 22717

Ion	Ratio	Lower	Upper
78	100		
77	29.6	19.2	28.8#
50	17.3	16.2	24.4



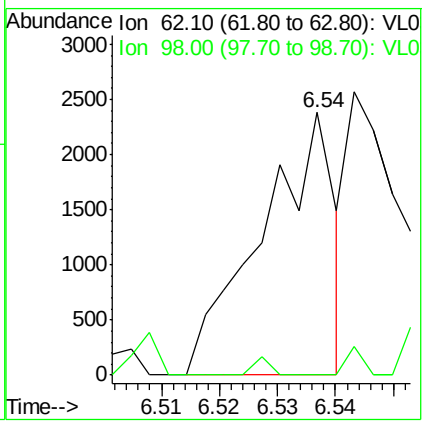


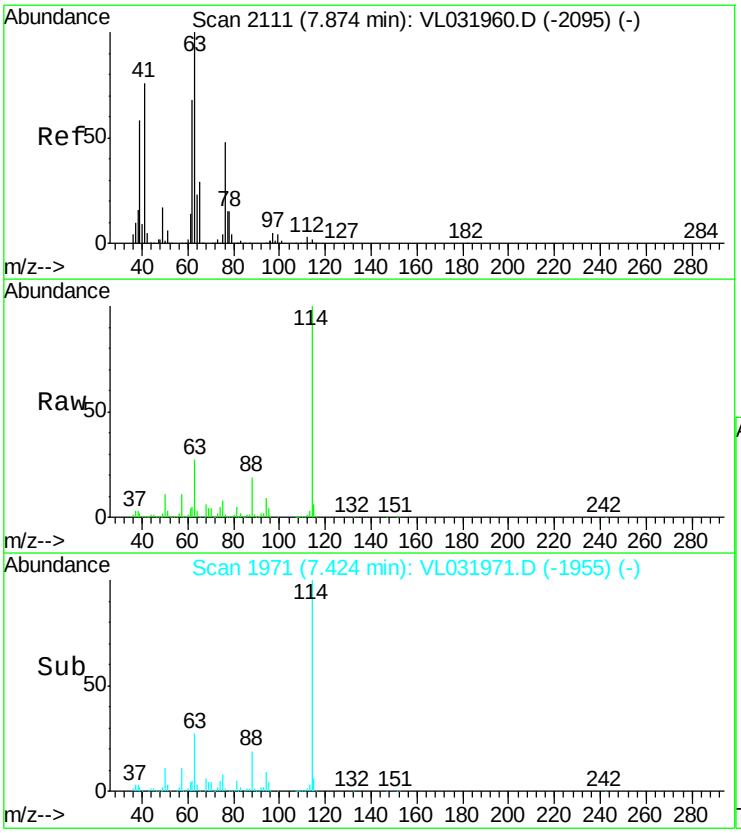
#37
1,2-Dichloroethane
Concen: 0.01 ppbv
RT: 6.54 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 62 Resp: 2080

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.6	6.8#

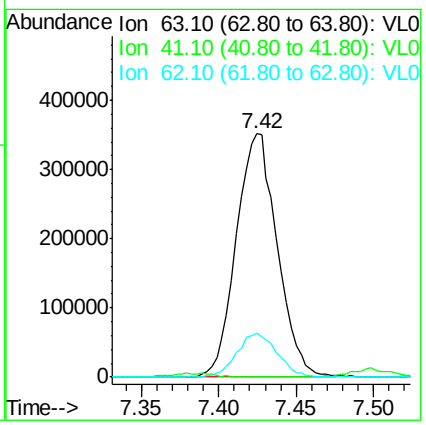


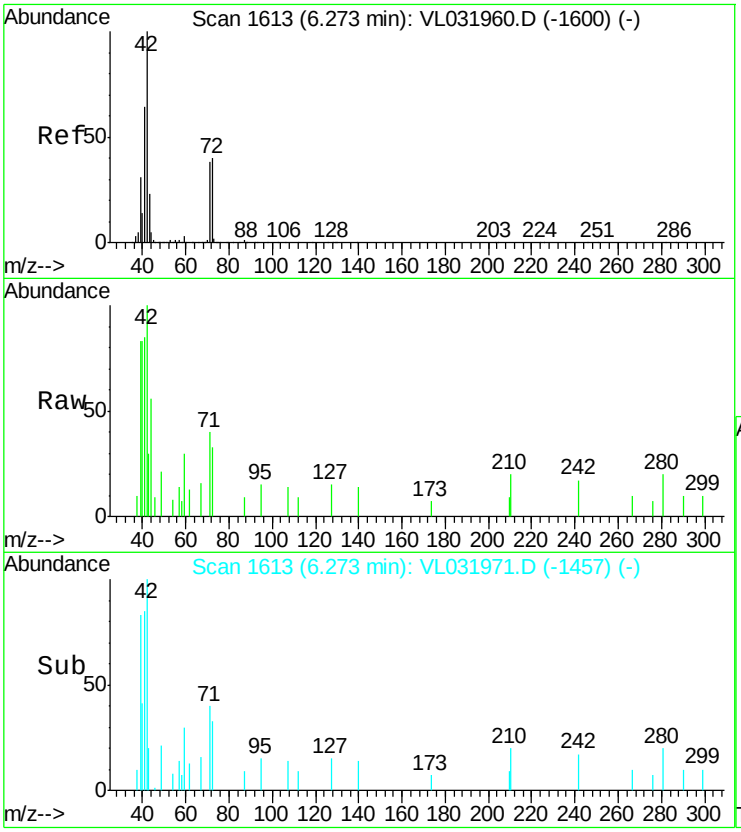


#39
1,2-Dichloropropane
Concen: 8.07 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. -0.45 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 63 Resp: 644041

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.7	91.1#
62	18.3	54.7	82.1#



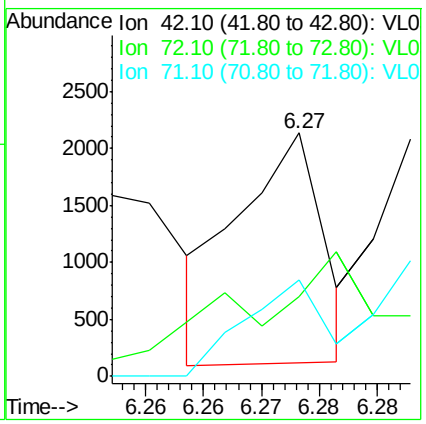


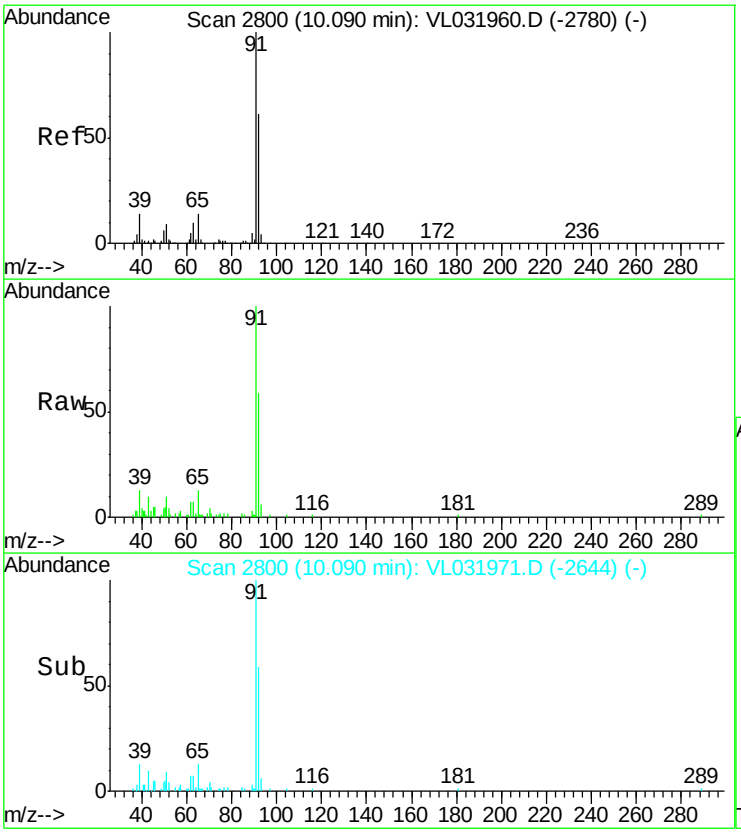
#41
Tetrahydrofuran
Concen: 0.01 ppbv
RT: 6.27 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 42 Resp: 1038

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	31.4	47.2#

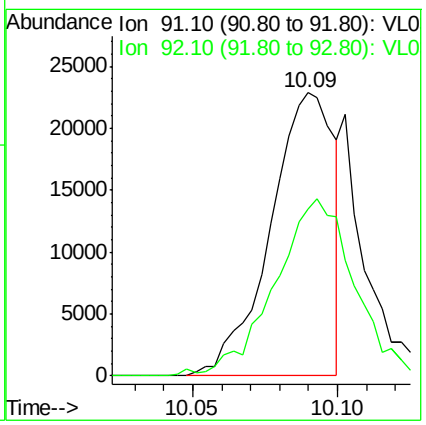


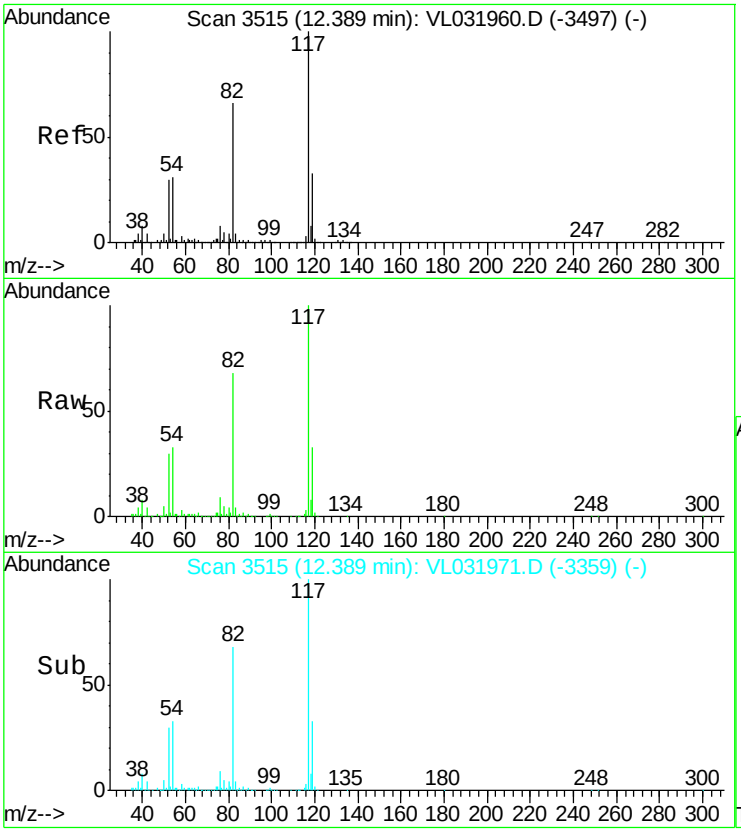


#53
Toluene
Concen: 0.14 ppbv
RT: 10.09 min Scan# 2800
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 91 Resp: 34768

Ion	Ratio	Lower	Upper
91	100		
92	78.0	47.4	71.2#



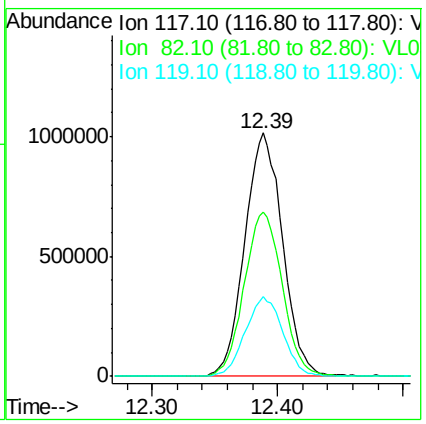


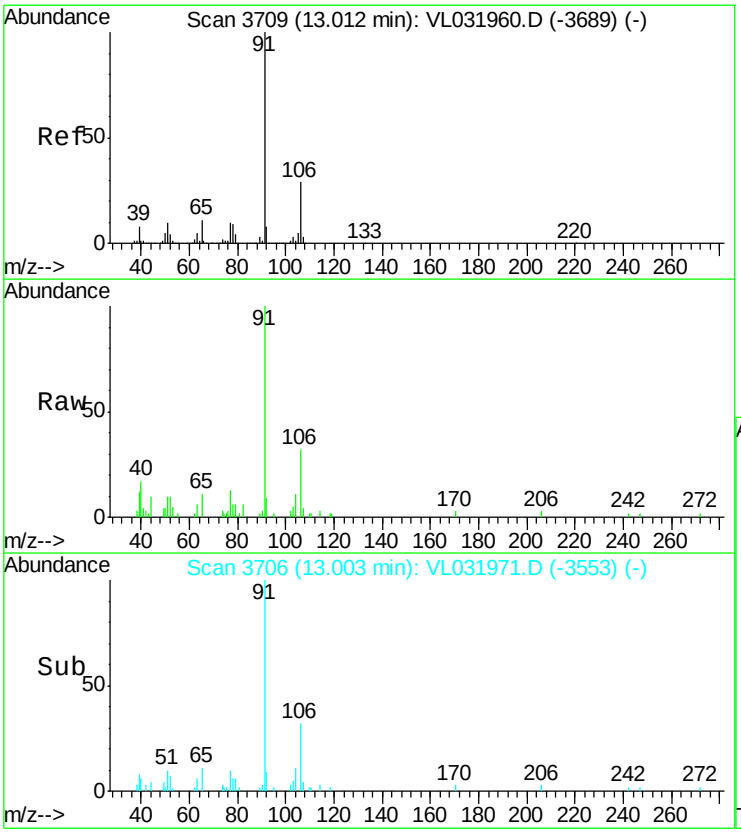
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion:117 Resp: 2124319

Ion	Ratio	Lower	Upper
117	100		
82	68.1	51.6	77.4
119	32.7	44.2	66.4#

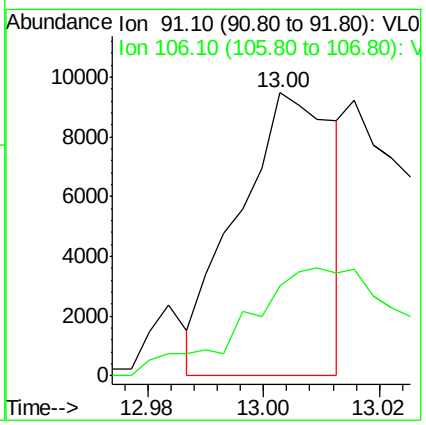


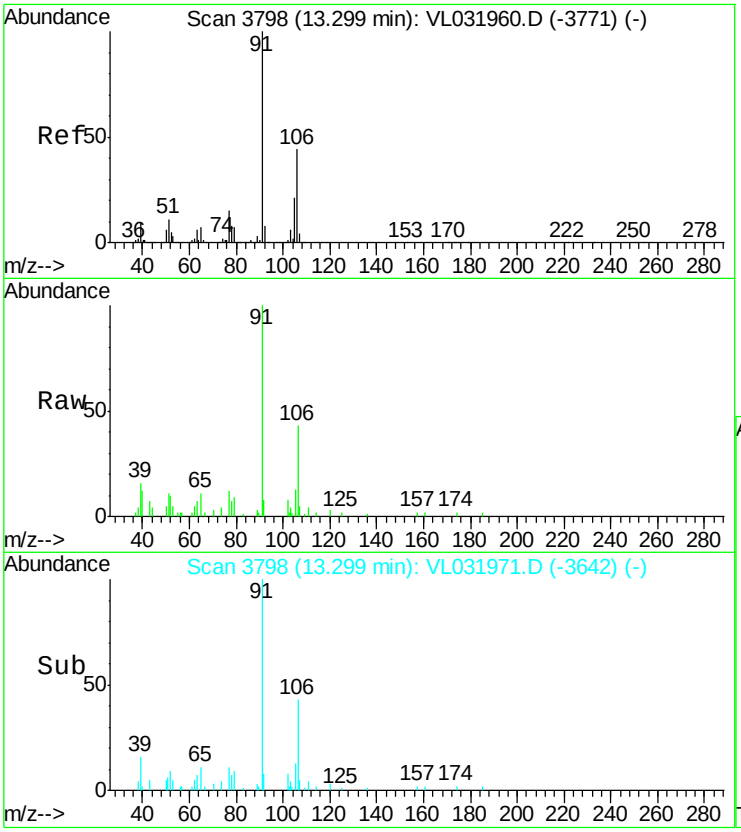


#58
Ethyl Benzene
Concen: 0.04 ppbv
RT: 13.00 min Scan# 3706
Delta R.T. -0.01 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 91 Resp: 10883

Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.4	35.2



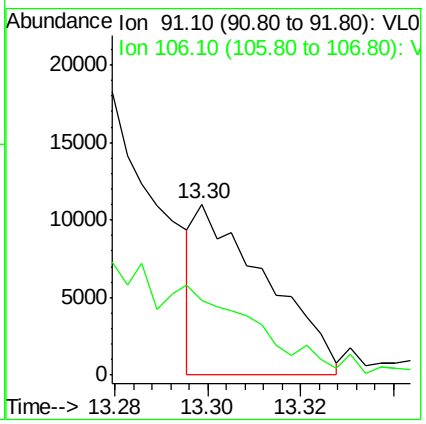


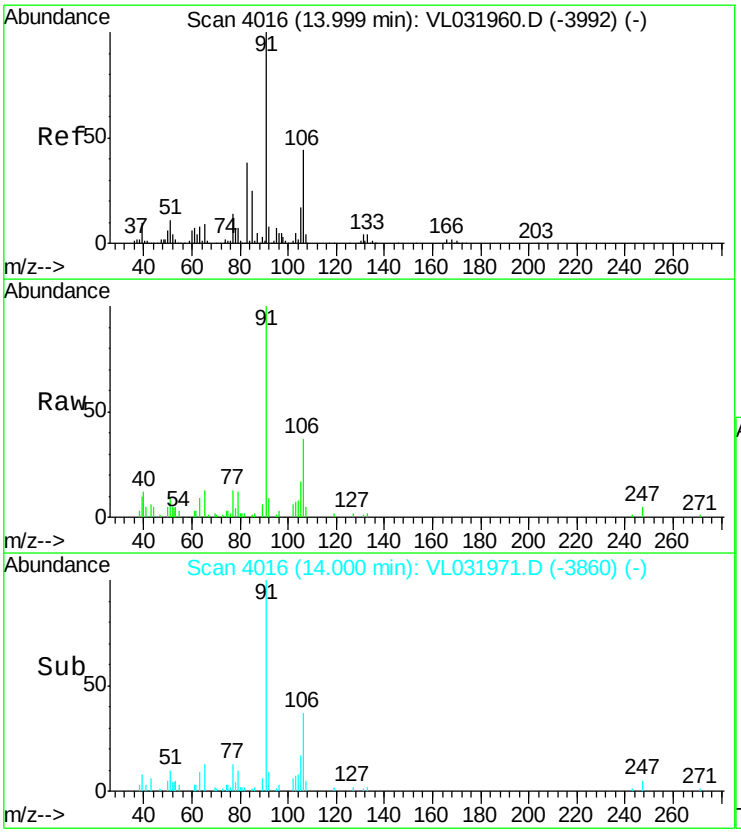
#59
m/p-Xylene
Concen: 0.05 ppbv
RT: 13.30 min Scan# 3798
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 91 Resp: 11650

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#

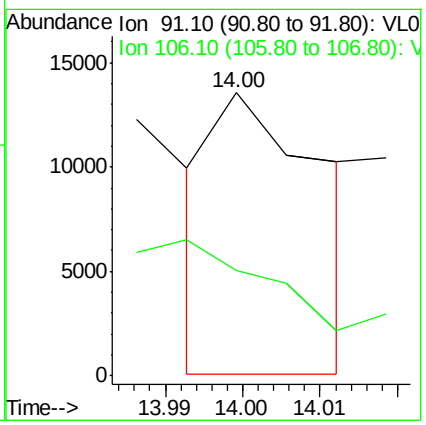


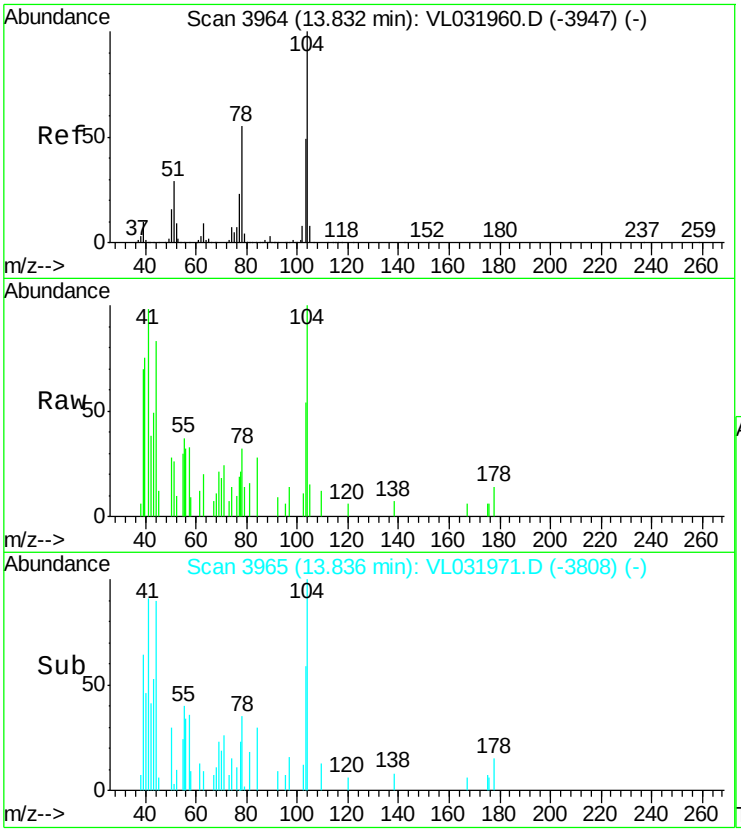


#60
o-Xylene
Concen: 0.03 ppbv
RT: 14.00 min Scan# 4016
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 91 Resp: 6580

Ion	Ratio	Lower	Upper
91	100		
106	184.6	21.5	64.5#



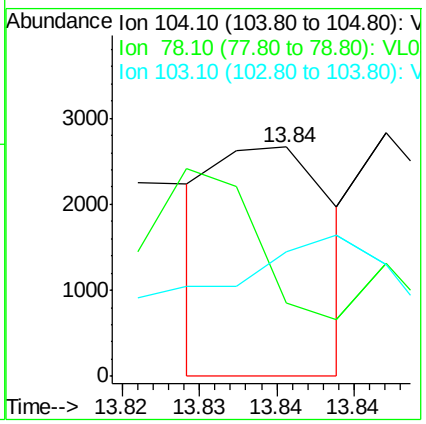


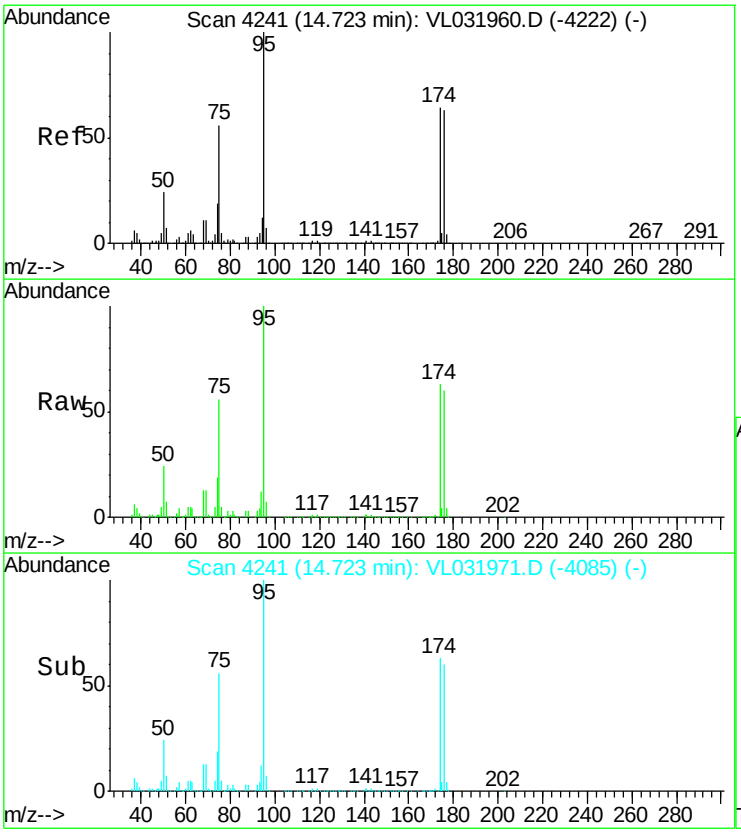
#61
Styrene
Concen: 0.03 ppbv
RT: 13.84 min Scan# 3965
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion:104 Resp: 1403

Ion	Ratio	Lower	Upper
104	100		
78	286.7	43.8	65.8#
103	0.0	38.4	57.6#

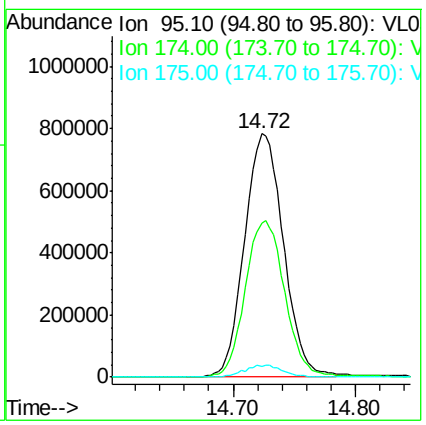


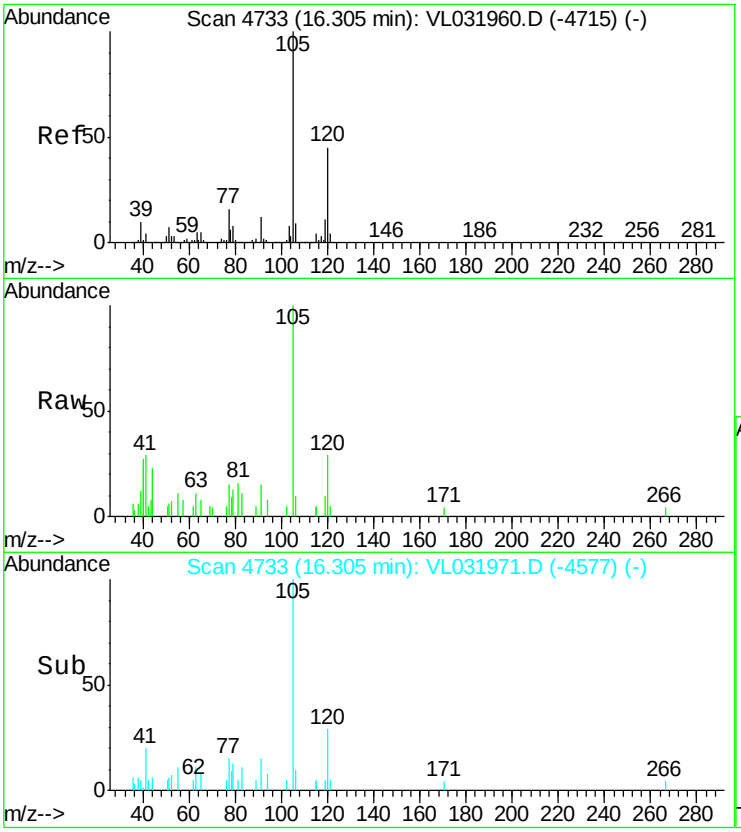


#68
1-Bromo-4-Fluorobenzene
Concen: 10.48 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 95 Resp: 1726321

Ion	Ratio	Lower	Upper
95	100		
174	66.1	53.0	79.6
175	4.8	3.9	5.9



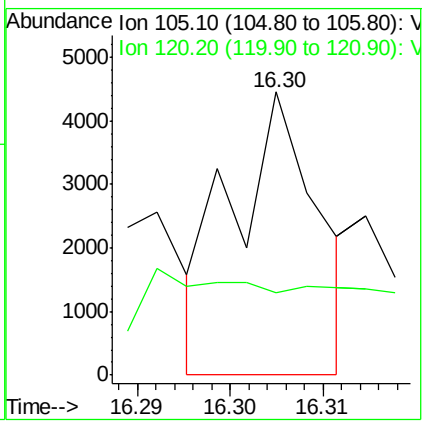


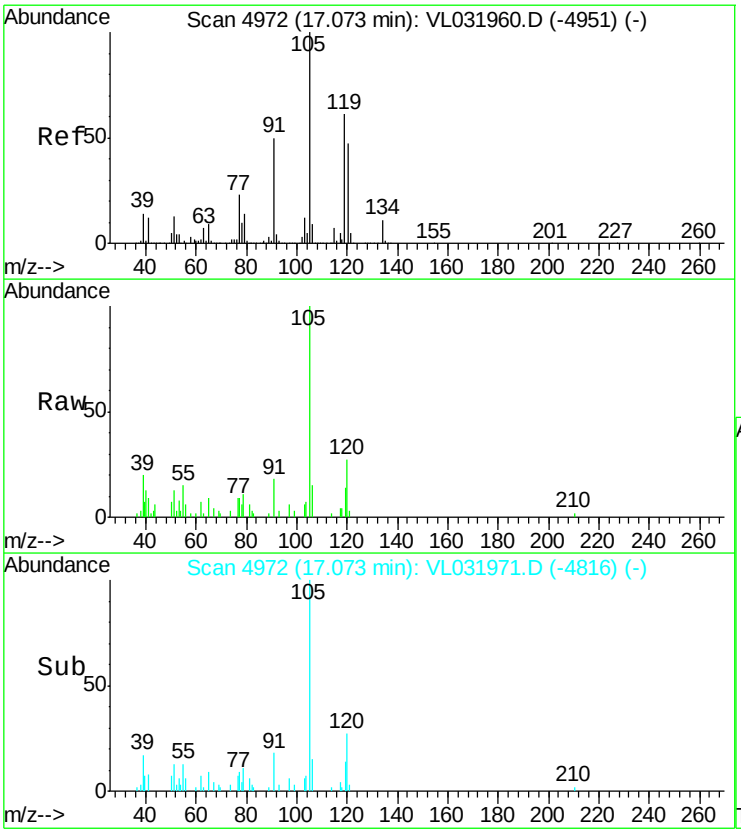
#73
1,3,5-Trimethylbenzene
Concen: 0.01 ppbv
RT: 16.30 min Scan# 4733
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion:105 Resp: 2849

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.0	54.0#

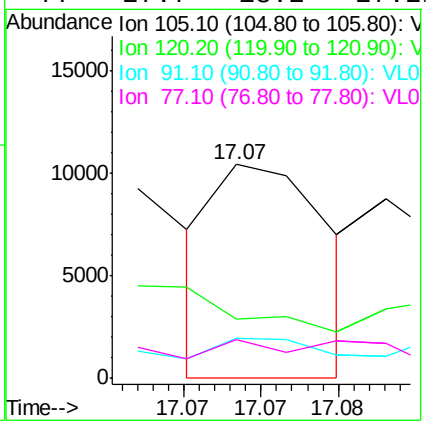


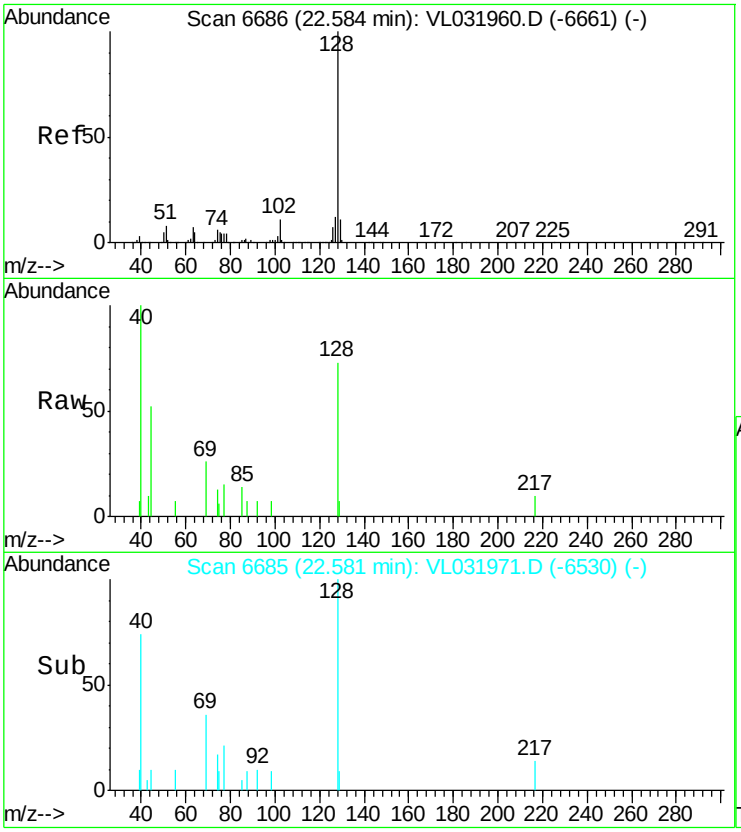


#74
1,2,4-Trimethylbenzene
Concen: 0.02 ppbv
RT: 17.07 min Scan# 4972
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion:105 Resp: 5260

Ion	Ratio	Lower	Upper
105	100		
120	17.6	37.8	56.6#
91	28.8	40.5	60.7#
77	27.7	18.2	27.2#



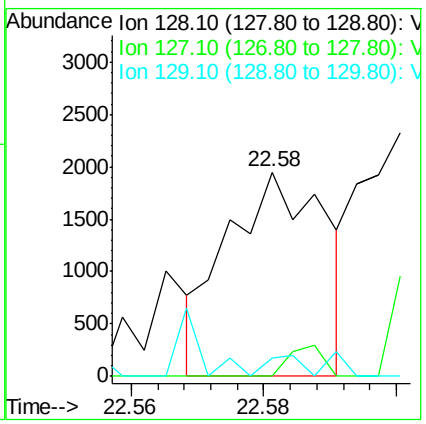


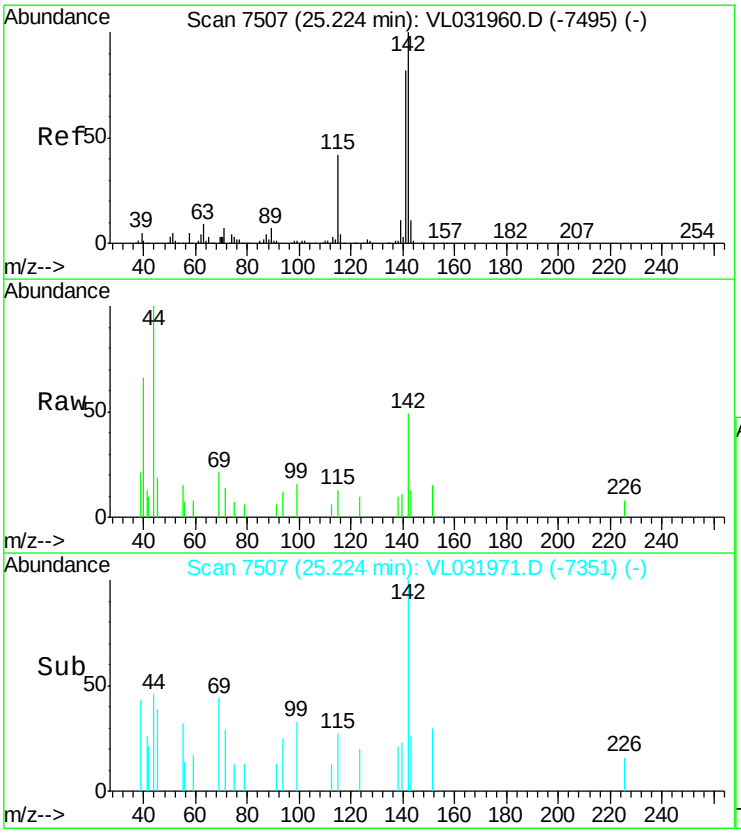
#79
Naphthalene
Concen: 0.01 ppbv
RT: 22.58 min Scan# 6685
Delta R.T. -0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion:128 Resp: 1996

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	9.0	13.4#





#80
Naphthalene,2-methyl-
Concen: 0.03 ppbv
RT: 25.22 min Scan# 7507
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion:142 Resp: 1211

Ion	Ratio	Lower	Upper
142	100		
141	86.5	67.9	101.9
115	9.5	33.8	50.8#