Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041218\

Quantitation Report (Not Reviewed)

Data File : VL031863.D
Acq On : 12 Apr 2018 12:20
Operator : SY/AP
Sample : J2191-07DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : GAC-EFF-040218DUP

Quant Time: Apr 14 01:34:35 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.89	49	1135685	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.43	114	2377672	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.39	117	2141245	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.72	95	1719347	9.99	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.17	85	284793	1.22	ppbv		96
3) Chlorodifluoromethane	3.24	51	5131	0.04	ppbv		92
4) Chloromethane	3.26	50	13366	0.20	ppbv		92
5) Vinyl Chloride	3.39	62	10855	0.14	ppbv		97
7) Chloroethane	3.70	64	7364	0.24	ppbv	#	76
8) Dichlorotetrafluoroethane	3.24	85	40261	0.21	ppbv	#	22
9) Propene	3.33	41	168783	3.70	ppbv		89
11) Trichlorofluoromethane	4.11	101	500888	2.18	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.67	101	40906	0.27	ppbv		98
13) Ethanol	3.76	45	1368190	88.27	ppbv		99
15) Acetone	4.03	43	317859	1.82	ppbv	#	79
16) 1,3-Butadiene	3.44	39	8190	0.13	ppbv	#	54
18) 1,1-Dichloroethene	4.46	96	2750	0.04	ppbv	#	73
19) Isopropyl Alcohol	4.14	45	20215	0.21	ppbv	#	72
20) Methylene Chloride	4.52	84	273983	4.30	ppbv		94
21) Allyl Chloride	4.55	41	4001	0.04	ppbv	#	14
24) 1,1-Dichloroethane	5.21	63	416655	2.36	ppbv		98
25) Ethyl Acetate	5.90	43	29310	0.11	ppbv	#	72
26) Hexane	5.91	57	50635	0.40	ppbv	#	60
29) Chloroform	5.97	83	137885	0.64	ppbv		98
30) Cyclohexane	7.38	84	2912	0.03	ppbv	#	1
31) cis-1,2-Dichloroethene	5.76	61	214399	1.86	ppbv		98
32) 1,1,1-Trichloroethane	6.75	97	891201	4.25	ppbv		100
34) 2-Butanone	5.47	43	9138	0.06	ppbv	#	78
38) Trichloroethene	8.10	130	1544316	17.79	ppbv		98
39) 1,2-Dichloropropane	7.43	63	645602	8.12	ppbv	#	21

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

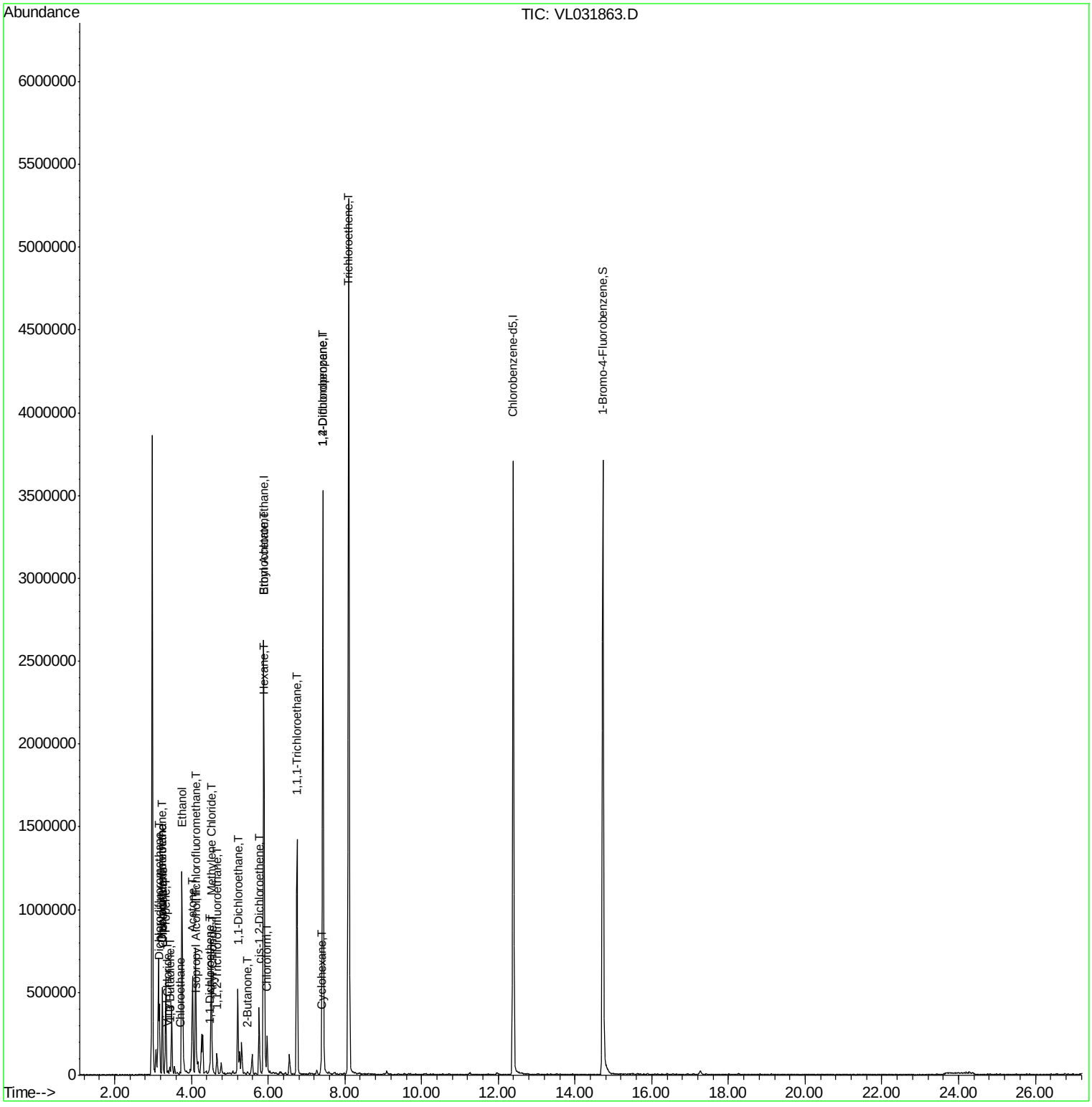
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041218\

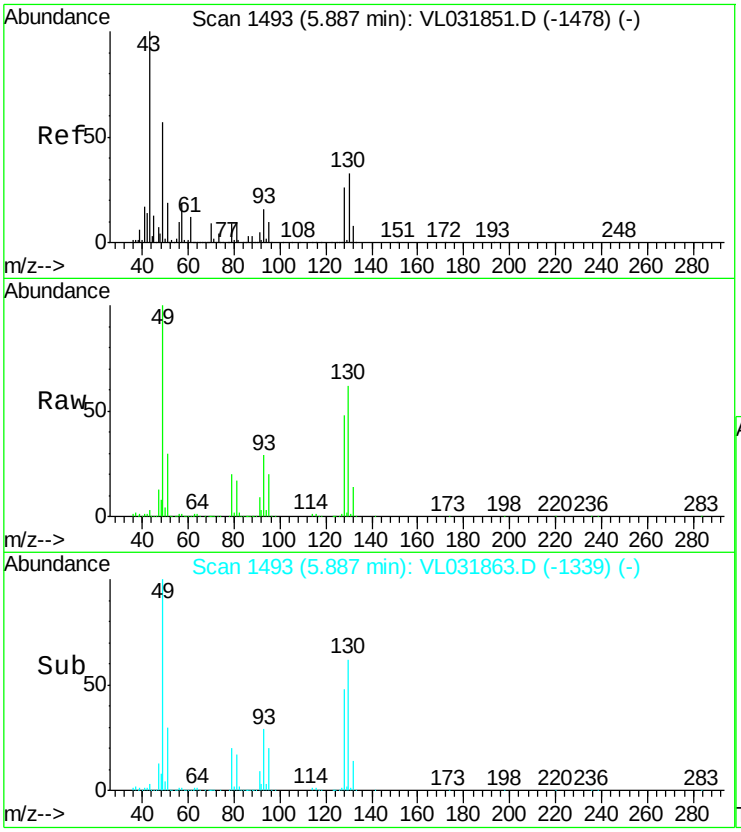
Quantitation Report (Not Reviewed)

Data File : VL031863.D
Acq On : 12 Apr 2018 12:20
Operator : SY/AP
Sample : J2191-07DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : GAC-EFF-040218DUP

Quant Time: Apr 14 01:34:35 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration



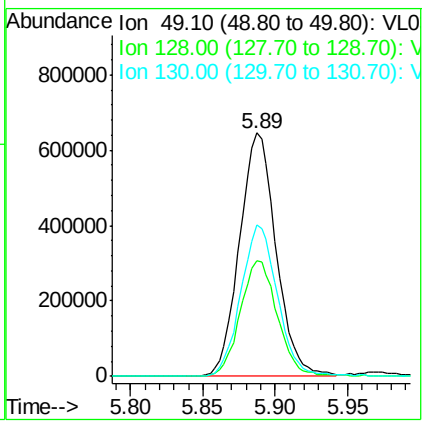


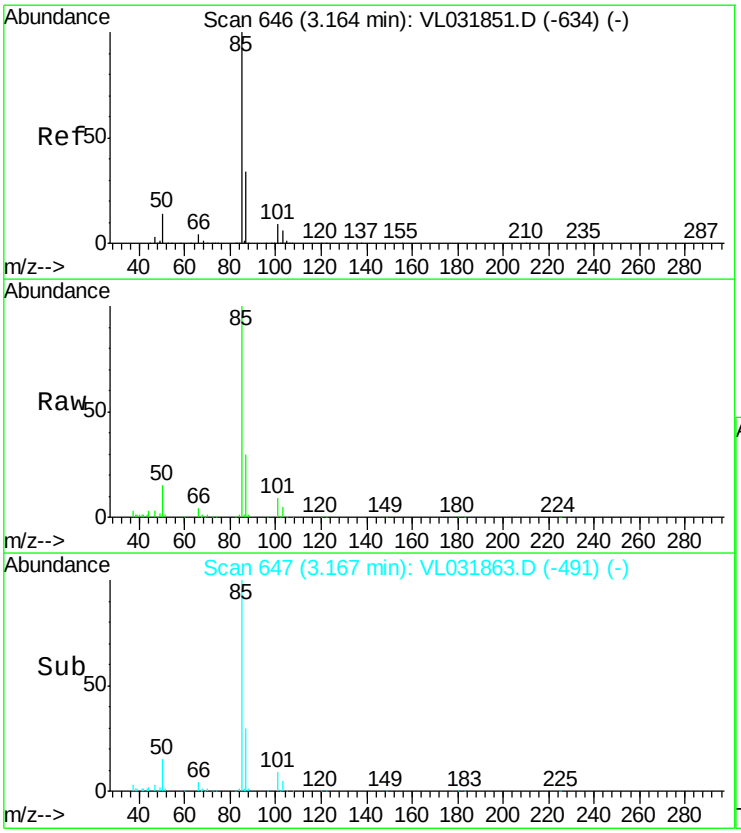
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.89 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion: 49 Resp: 1135685

Ion	Ratio	Lower	Upper
49	100		
128	48.6	23.9	71.7
130	62.7	30.9	92.7

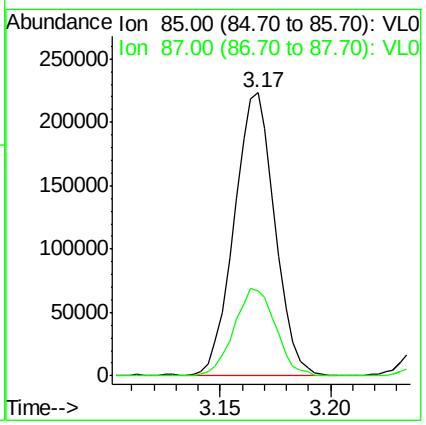


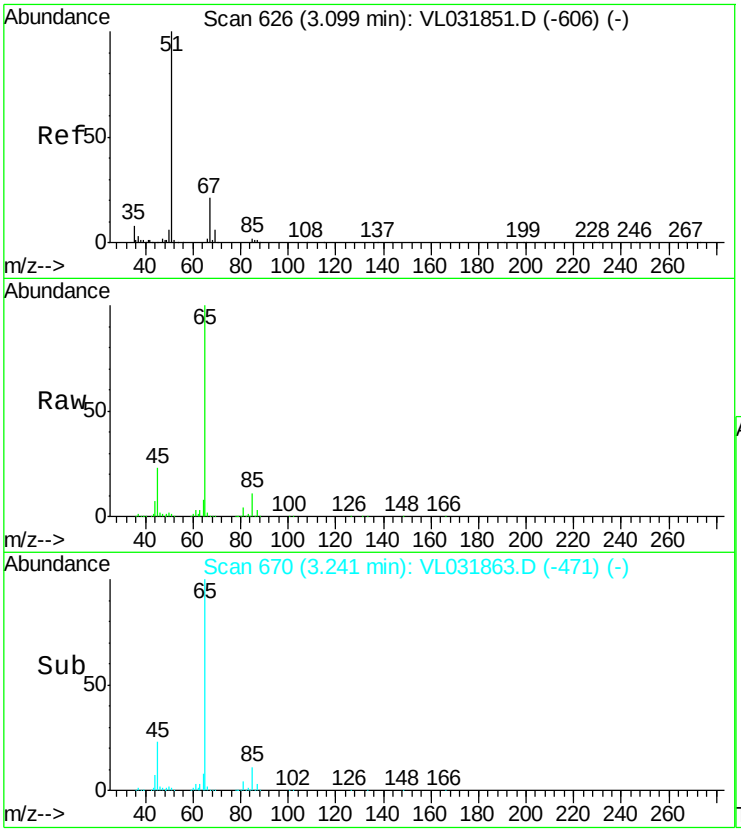


#2
Dichlorodifluoromethane
Concen: 1.22 ppbv
RT: 3.17 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 85 Resp: 284793

Ion	Ratio	Lower	Upper
85	100		
87	30.1	25.9	38.9



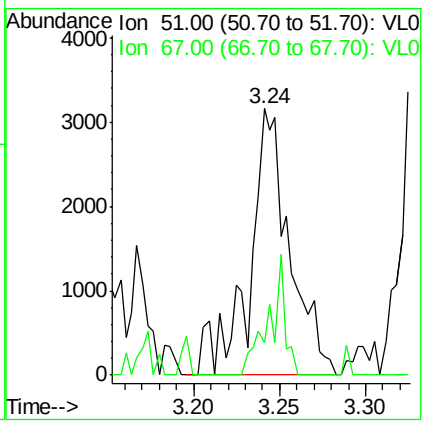


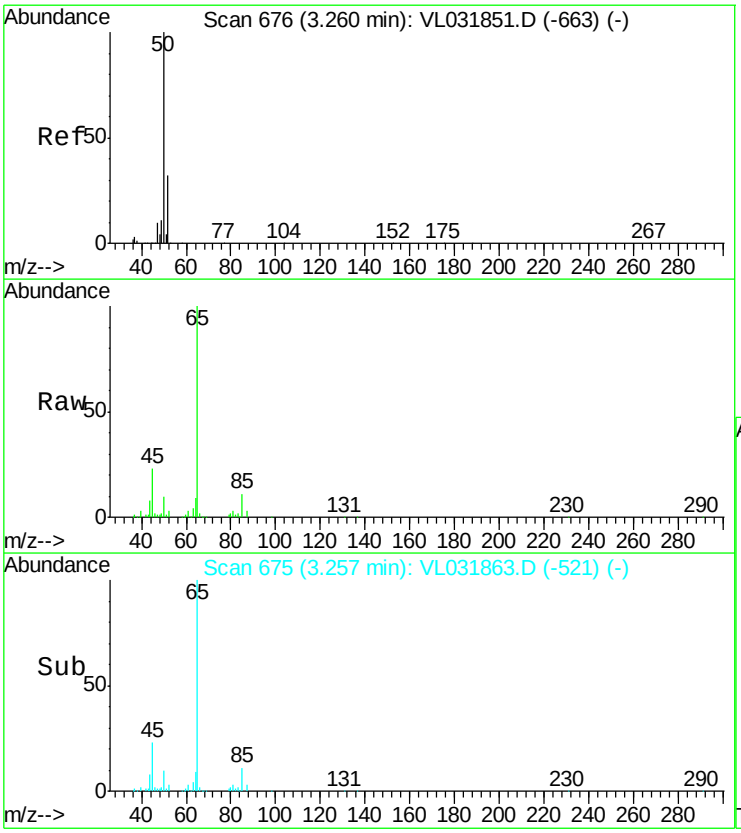
#3
Chlorodifluoromethane
Concen: 0.04 ppbv
RT: 3.24 min Scan# 670
Delta R.T. 0.14 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion: 51 Resp: 5131

Ion	Ratio	Lower	Upper
51	100		
67	18.0	17.5	26.3

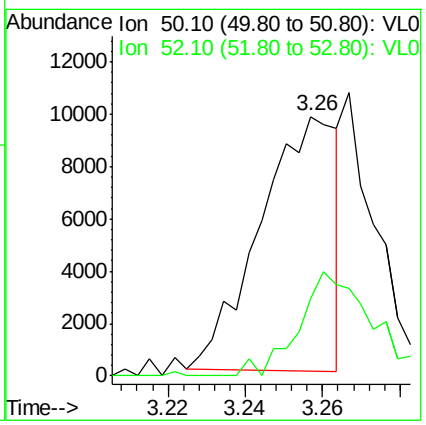


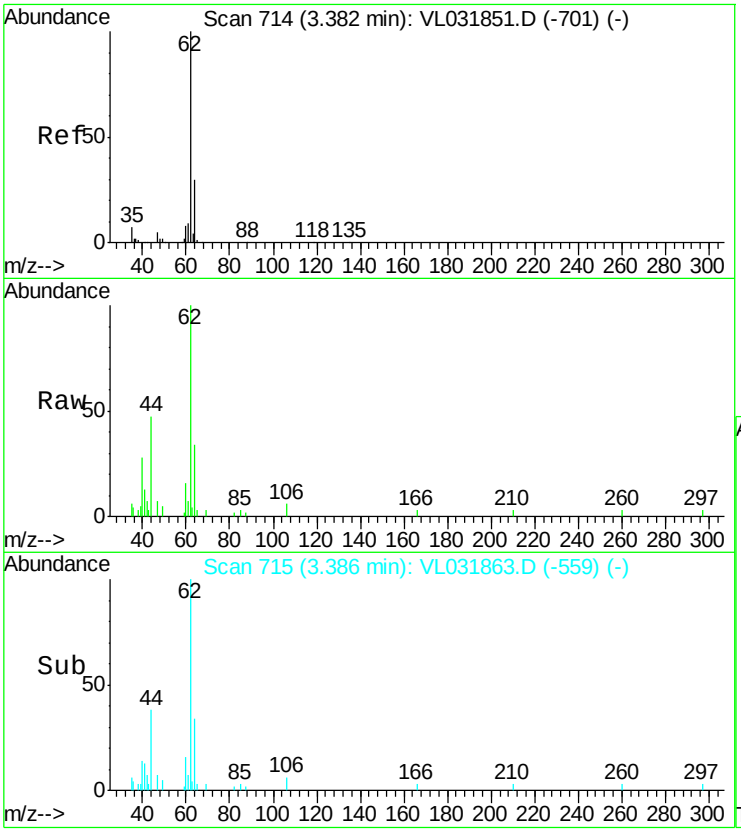


#4
Chloromethane
Concen: 0.20 ppbv
RT: 3.26 min Scan# 675
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 50 Resp: 13366

Ion	Ratio	Lower	Upper
50	100		
52	30.7	28.1	42.1



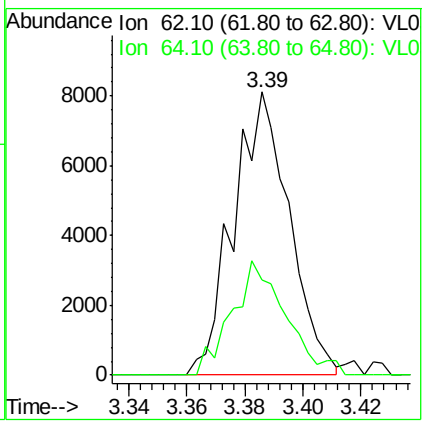


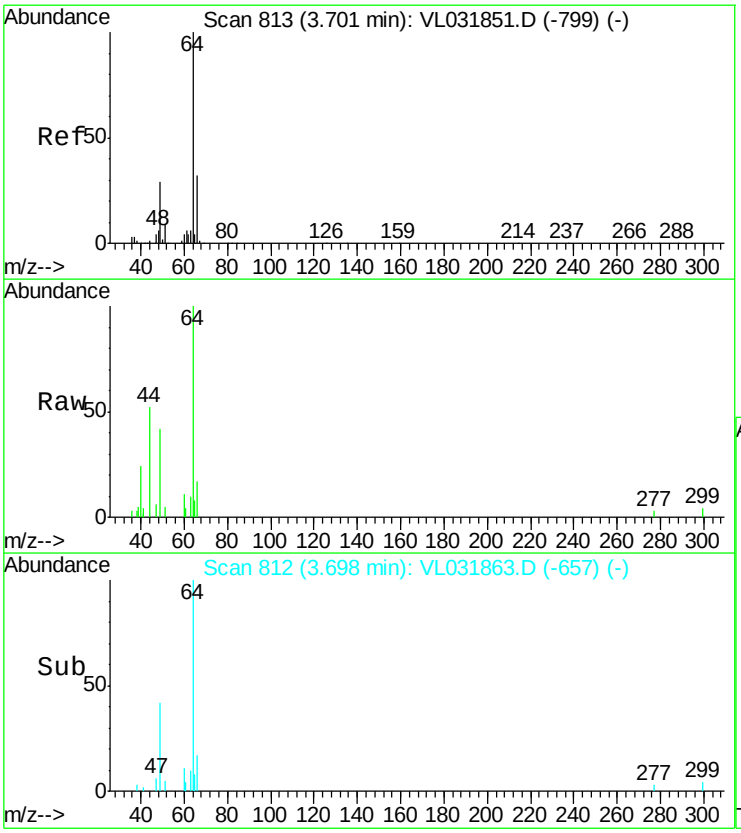
#5
Vinyl Chloride
Concen: 0.14 ppbv
RT: 3.39 min Scan# 715
Delta R.T. 0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion: 62 Resp: 10855

Ion	Ratio	Lower	Upper
62	100		
64	33.8	25.9	38.9

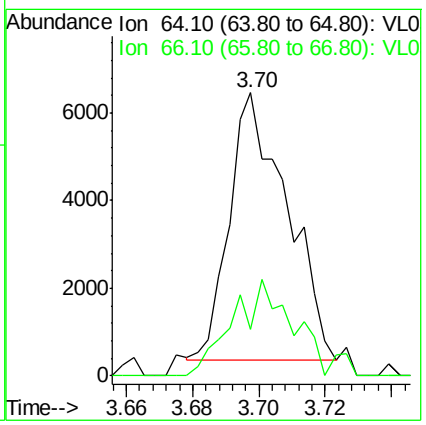


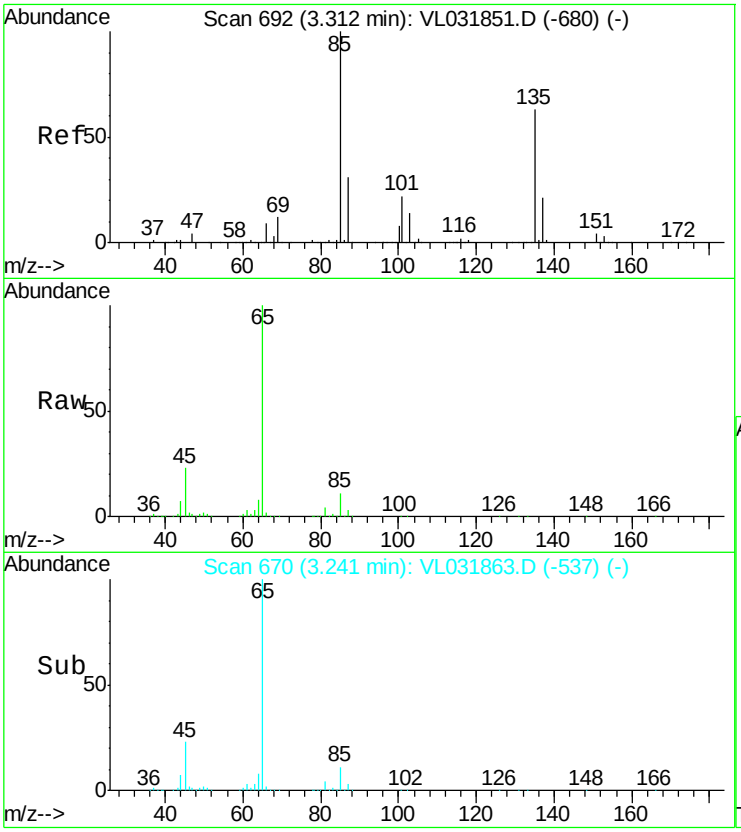


#7
Chloroethane
Concen: 0.24 ppbv
RT: 3.70 min Scan# 812
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 64 Resp: 7364

Ion	Ratio	Lower	Upper
64	100		
66	16.5	23.4	35.0#



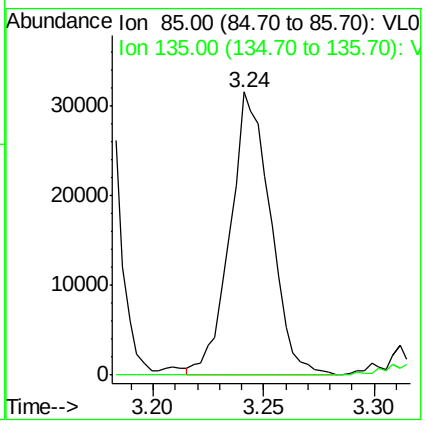


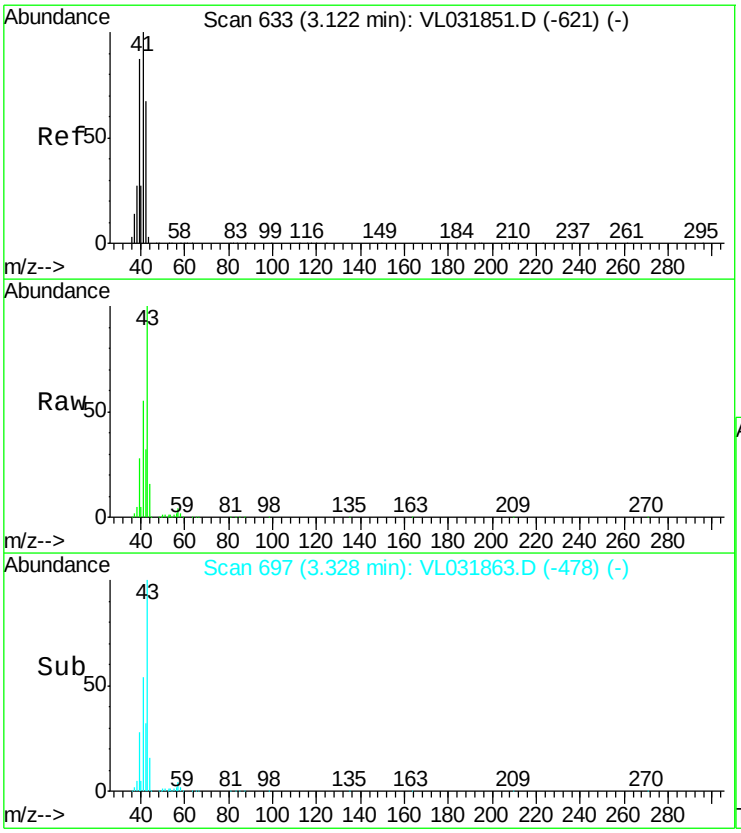
#8
Dichlorotetrafluoroethane
Concen: 0.21 ppbv
RT: 3.24 min Scan# 670
Delta R.T. -0.07 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion: 85 Resp: 40261

Ion	Ratio	Lower	Upper
85	100		
135	3.7	52.7	79.1#

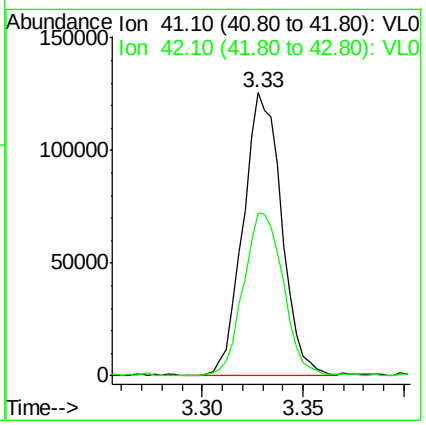


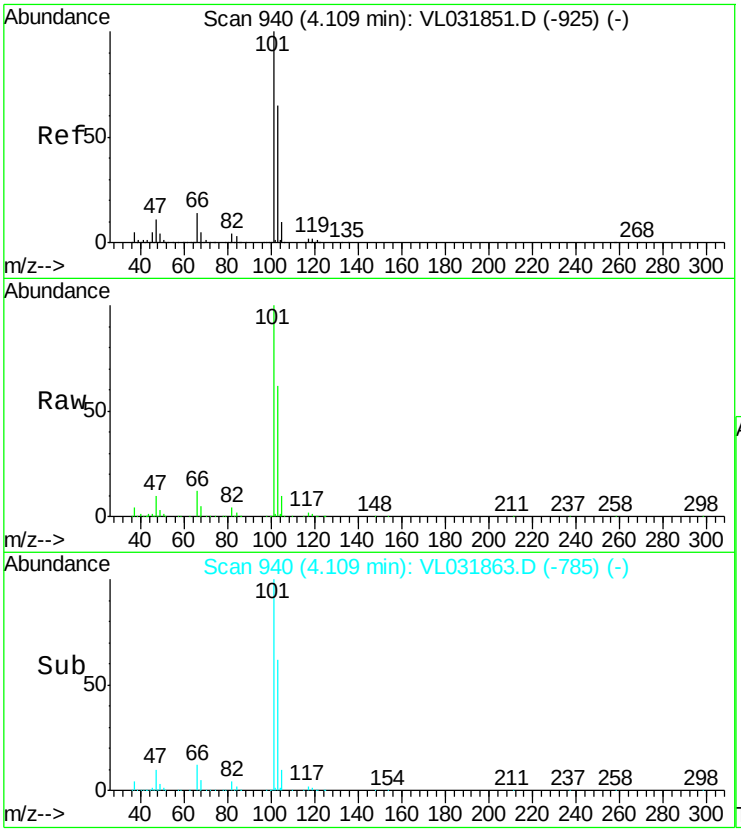


#9
Propene
Concen: 3.70 ppbv
RT: 3.33 min Scan# 697
Delta R.T. 0.21 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 41 Resp: 168783

Ion	Ratio	Lower	Upper
41	100		
42	59.7	55.0	82.4



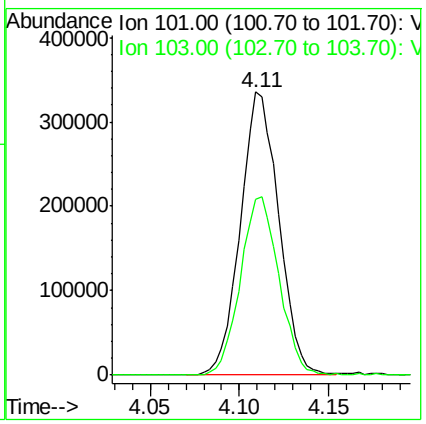


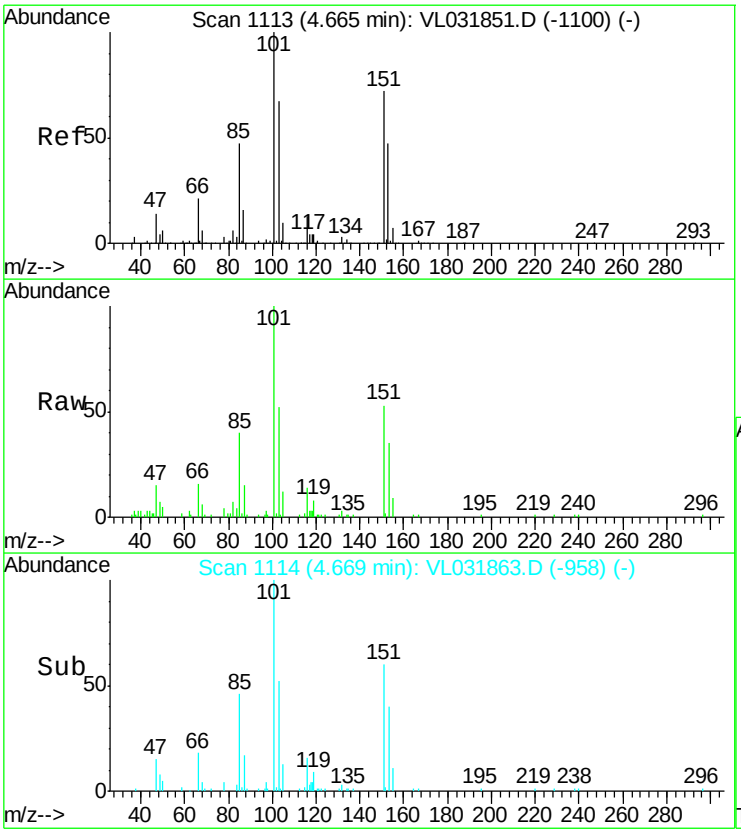
#11
Trichlorofluoromethane
Concen: 2.18 ppbv
RT: 4.11 min Scan# 940
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion:101 Resp: 500888

Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.8	77.8

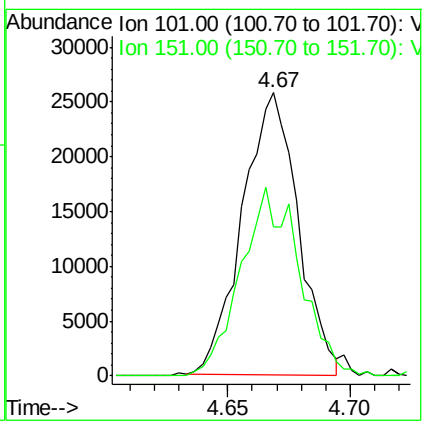


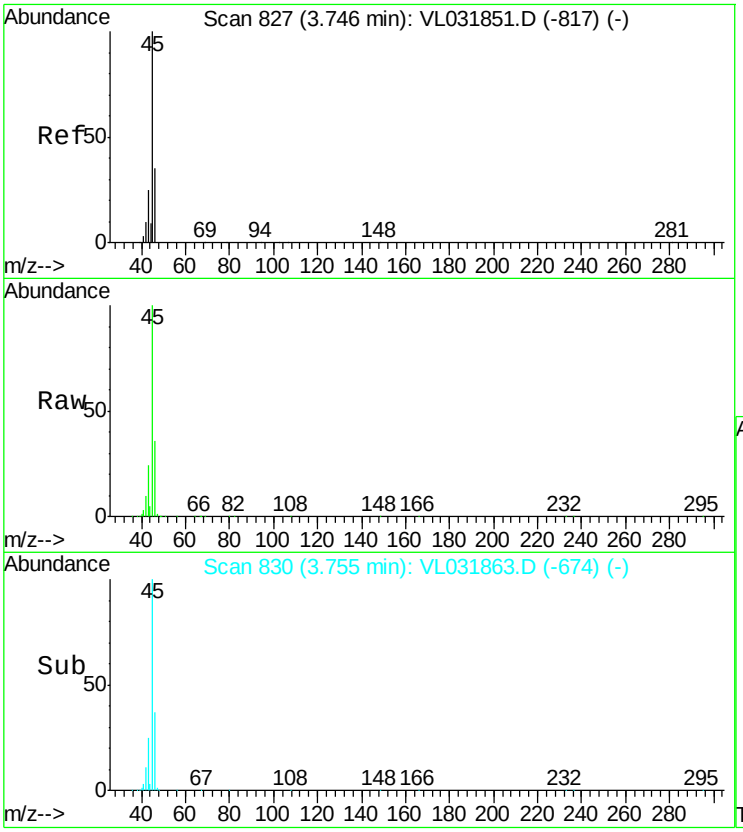


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.27 ppbv
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion:101 Resp: 40906

Ion	Ratio	Lower	Upper
101	100		
151	70.0	57.0	85.6



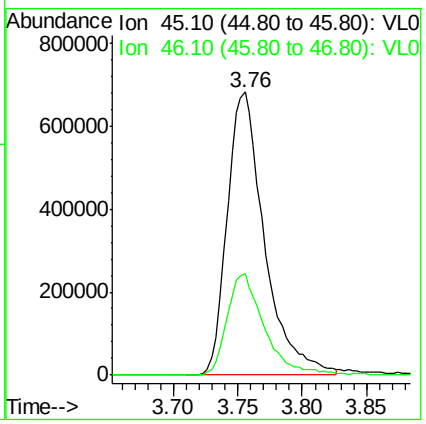


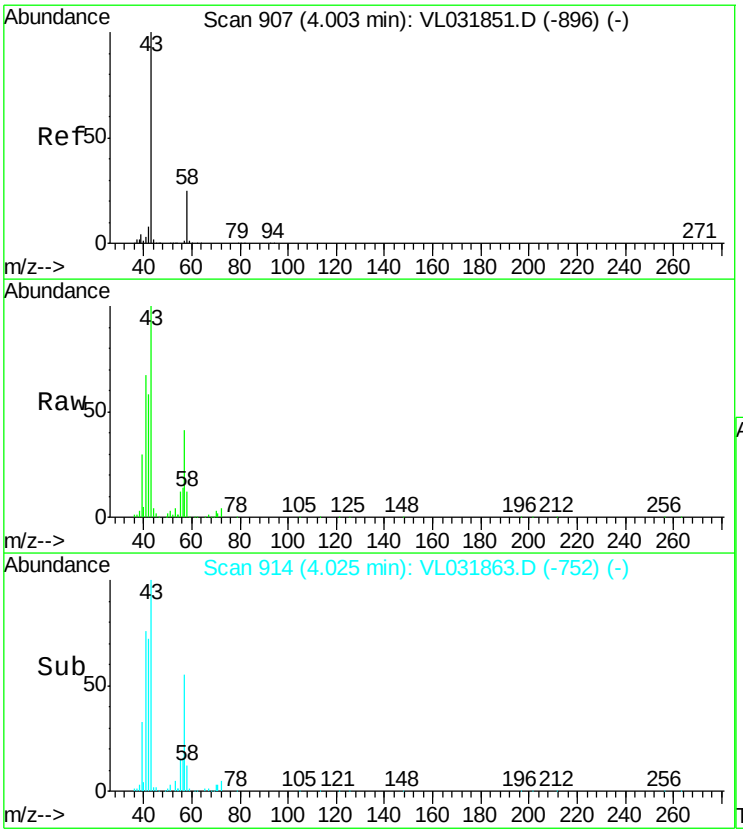
#13
Ethanol
Concen: 88.27 ppbv
RT: 3.76 min Scan# 830
Delta R.T. 0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion: 45 Resp: 1368190

Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.6	58.6

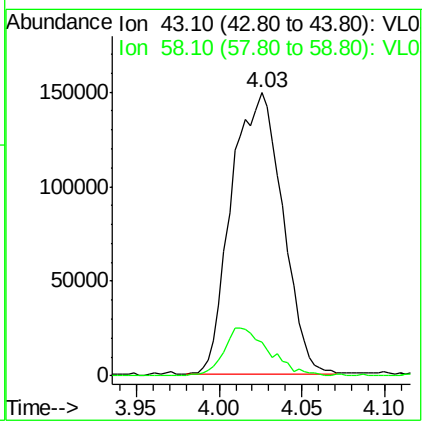


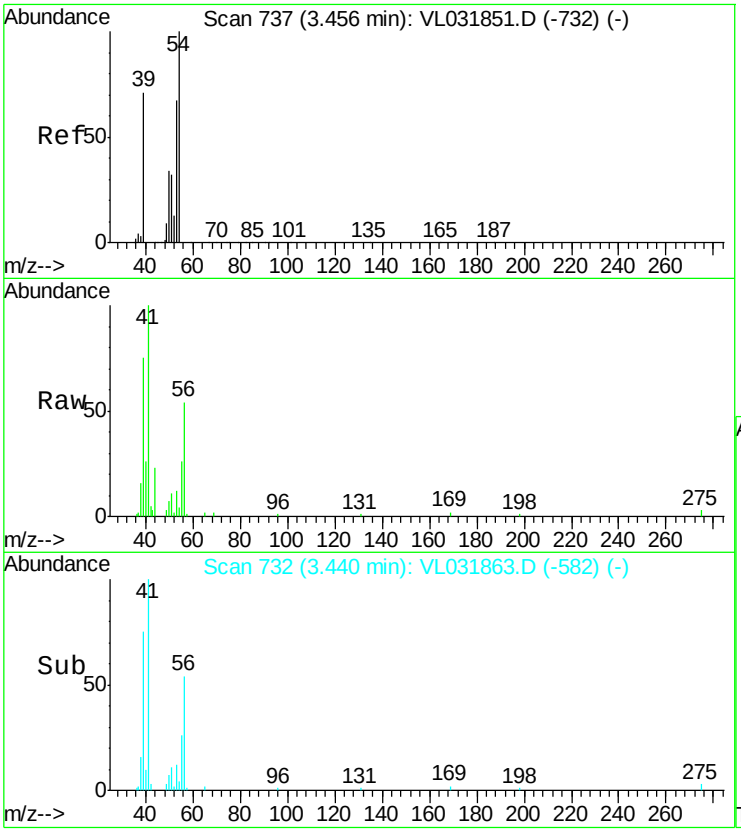


#15
Acetone
Concen: 1.82 ppbv
RT: 4.03 min Scan# 914
Delta R.T. 0.02 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 43 Resp: 317859

Ion	Ratio	Lower	Upper
43	100		
58	15.4	20.9	31.3#



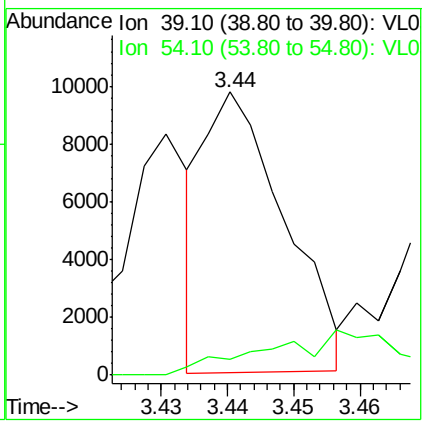


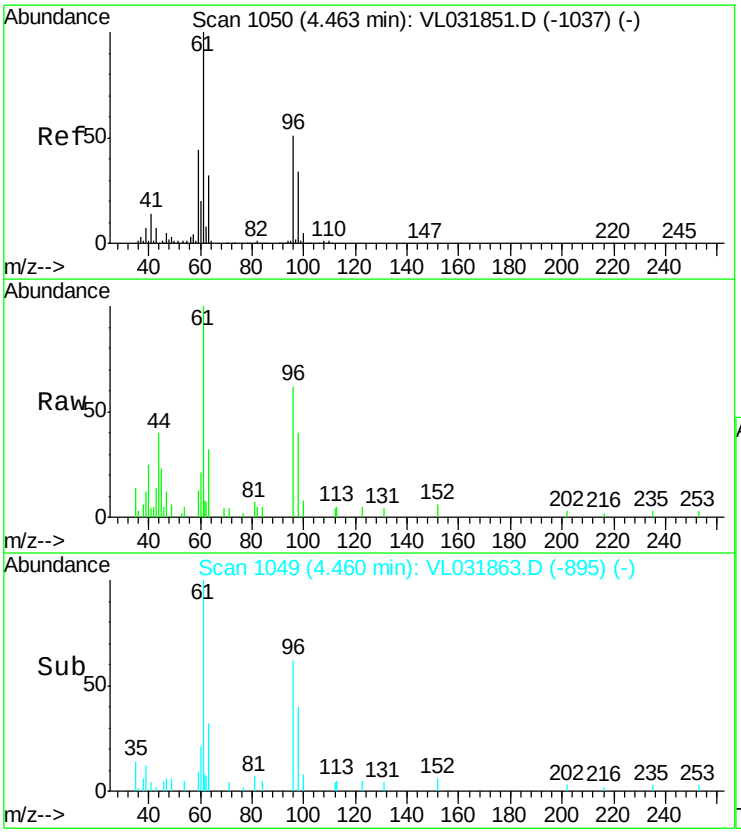
#16
1,3-Butadiene
Concen: 0.13 ppbv
RT: 3.44 min Scan# 732
Delta R.T. -0.02 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument : MSVOA_L
ClientSampleId : GAC-EFF-040218DUP

Tgt Ion: 39 Resp: 8190

Ion	Ratio	Lower	Upper
39	100		
54	38.7	63.3	94.9#

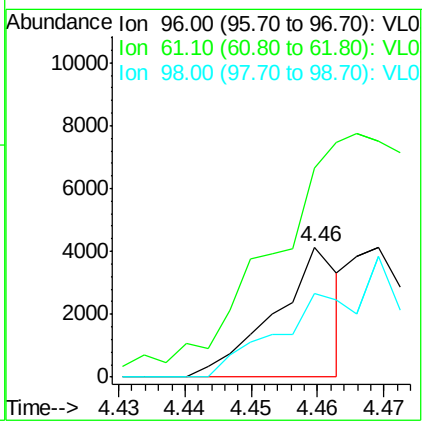


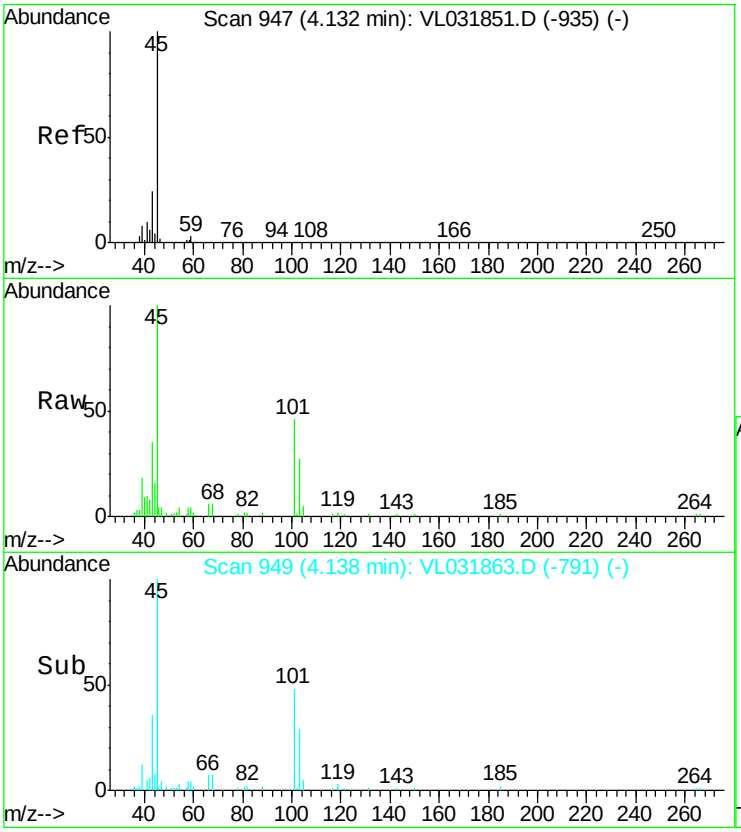


#18
1,1-Dichloroethene
Concen: 0.04 ppbv
RT: 4.46 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 96 Resp: 2750

Ion	Ratio	Lower	Upper
96	100		
61	148.1	161.0	241.6#
98	63.9	52.7	79.1



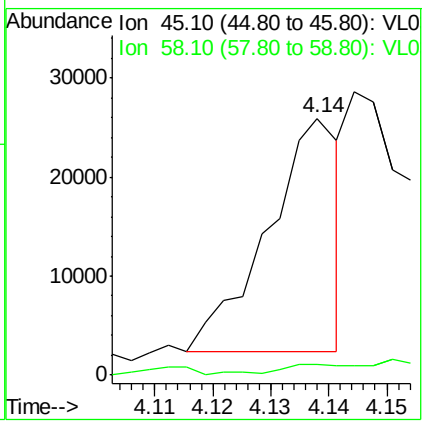


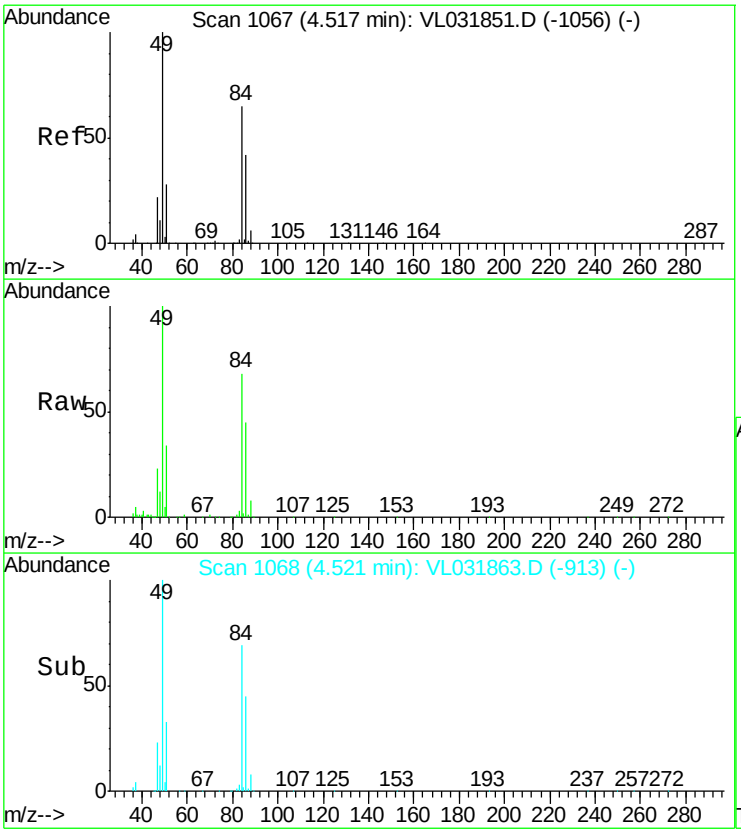
#19
Isopropyl Alcohol
Concen: 0.21 ppbv
RT: 4.14 min Scan# 949
Delta R.T. 0.01 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion: 45 Resp: 20215

Ion	Ratio	Lower	Upper
45	100		
58	11.9	1.7	2.5#

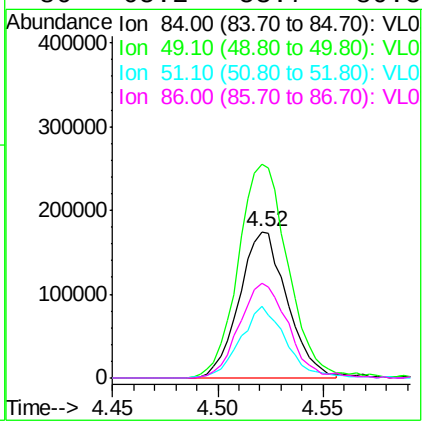


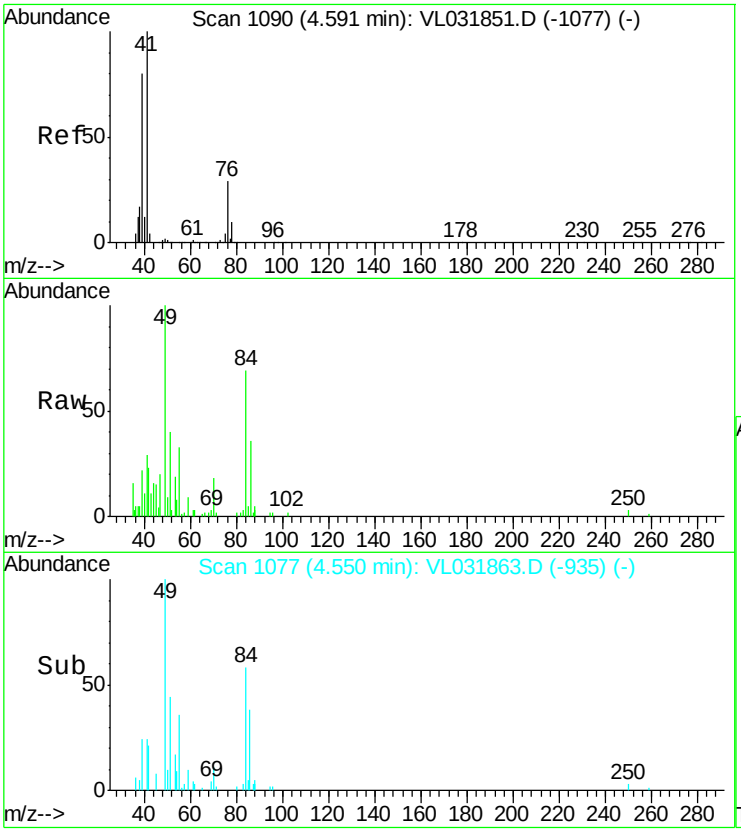


#20
Methylene Chloride
Concen: 4.30 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 84 Resp: 273983

Ion	Ratio	Lower	Upper
84	100		
49	146.1	125.6	188.4
51	48.8	36.4	54.6
86	65.2	53.7	80.5



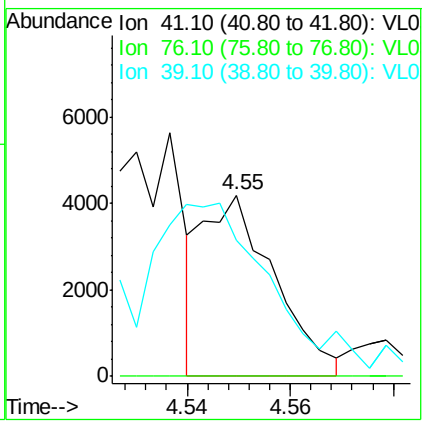


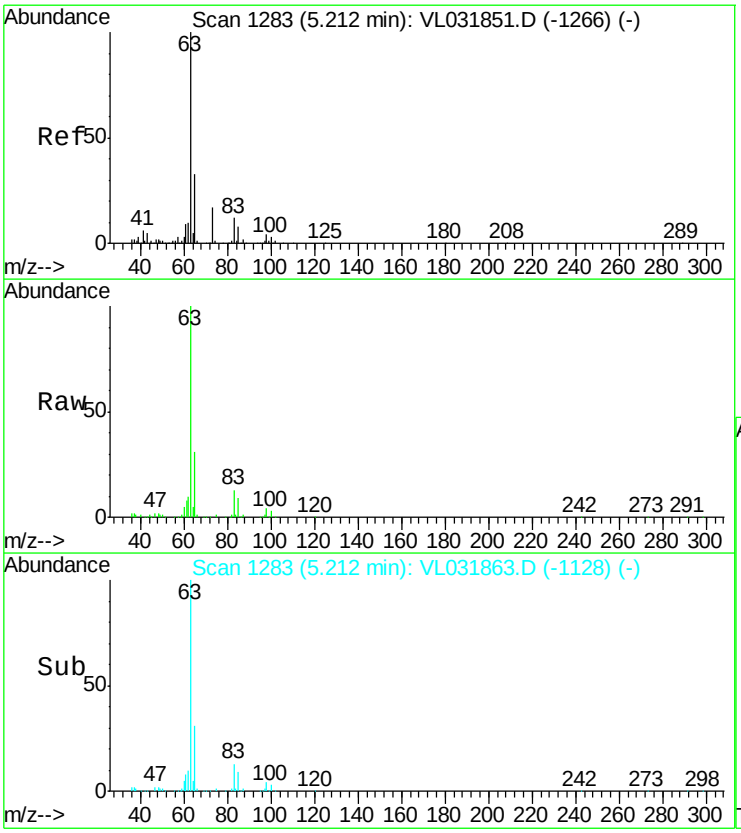
#21
Allyl Chloride
Concen: 0.04 ppbv
RT: 4.55 min Scan# 1077
Delta R.T. -0.04 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument : MSVOA_L
ClientSampleId : GAC-EFF-040218DUP

Tgt Ion: 41 Resp: 4001

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.4	35.2#
39	173.2	67.6	101.4#

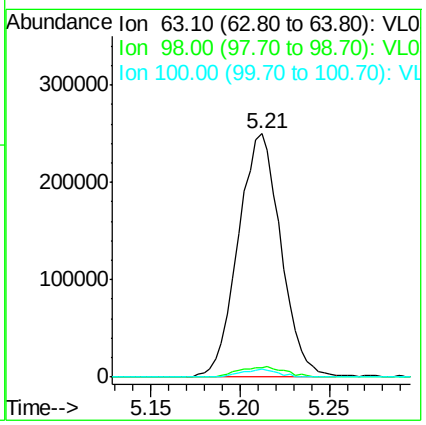


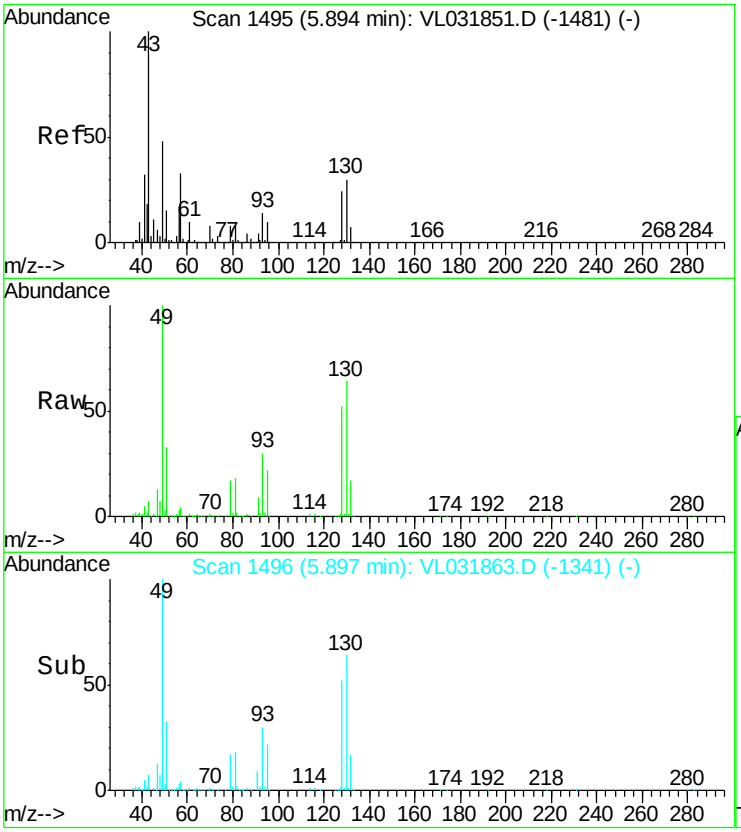


#24
1,1-Dichloroethane
Concen: 2.36 ppbv
RT: 5.21 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 63 Resp: 416655

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.2
100	3.5	1.5	4.4



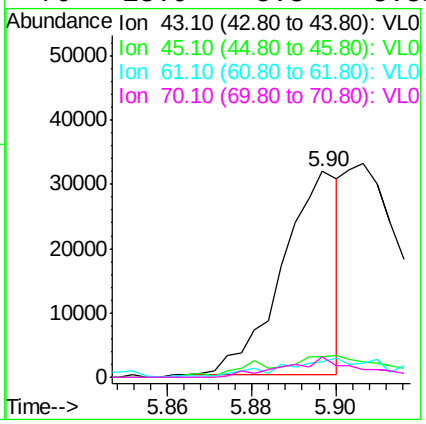


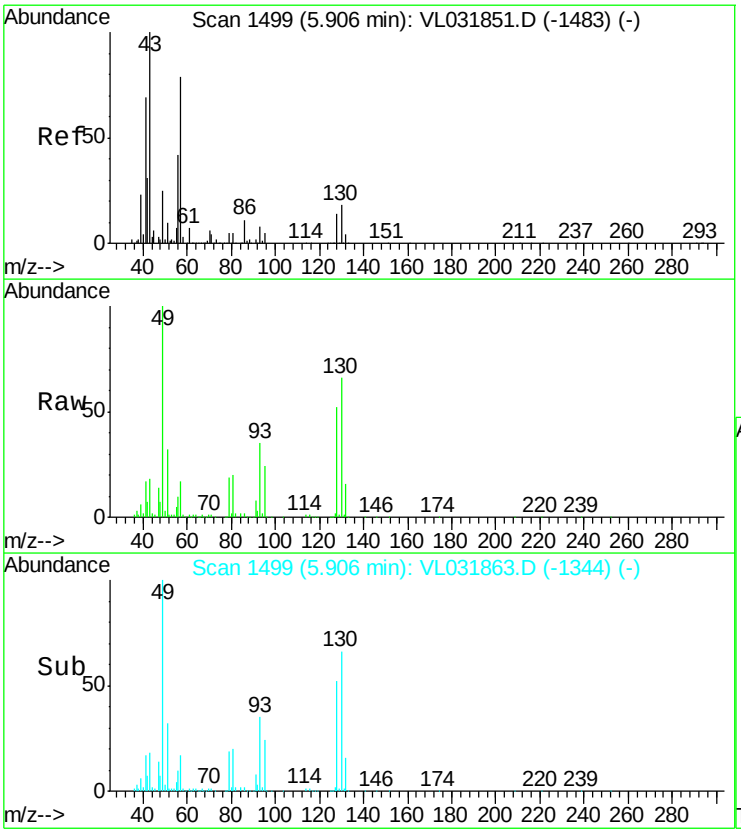
#25
Ethyl Acetate
Concen: 0.11 ppbv
RT: 5.90 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument : MSVOA_L
ClientSampleId : GAC-EFF-040218DUP

Tgt Ion: 43 Resp: 29310

Ion	Ratio	Lower	Upper
43	100		
45	24.0	7.8	11.8#
61	0.0	7.2	10.8#
70	13.9	5.8	8.8#

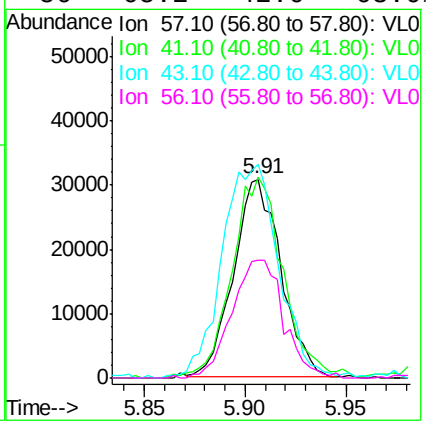


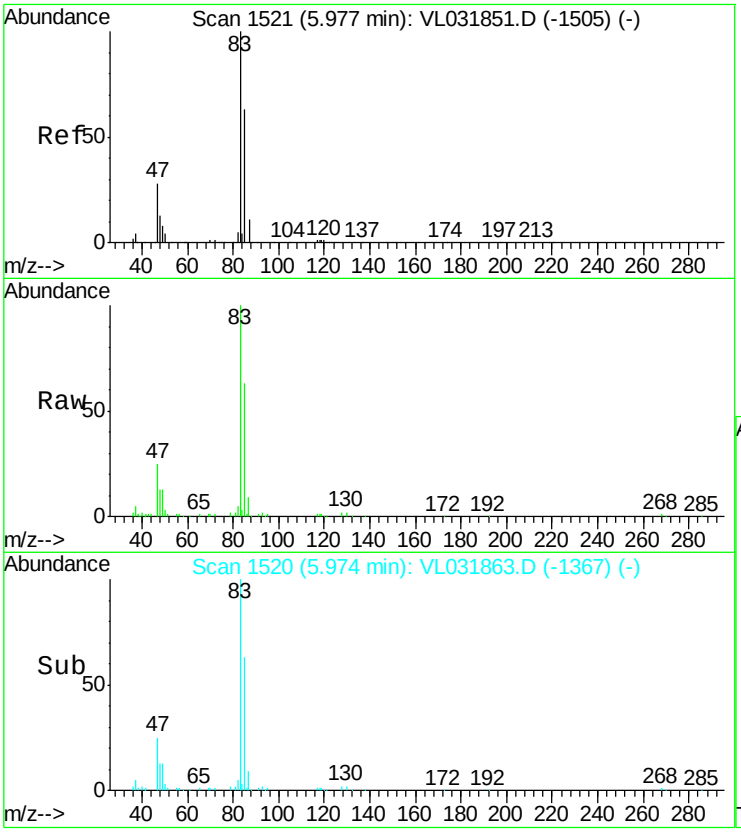


#26
Hexane
Concen: 0.40 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 57 Resp: 50635

Ion	Ratio	Lower	Upper
57	100		
41	109.9	72.0	108.0#
43	129.3	169.8	254.8#
56	65.2	42.0	63.0#



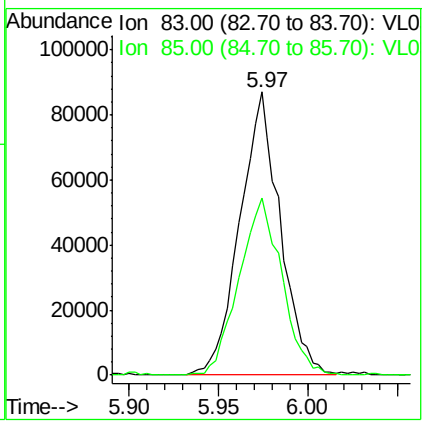


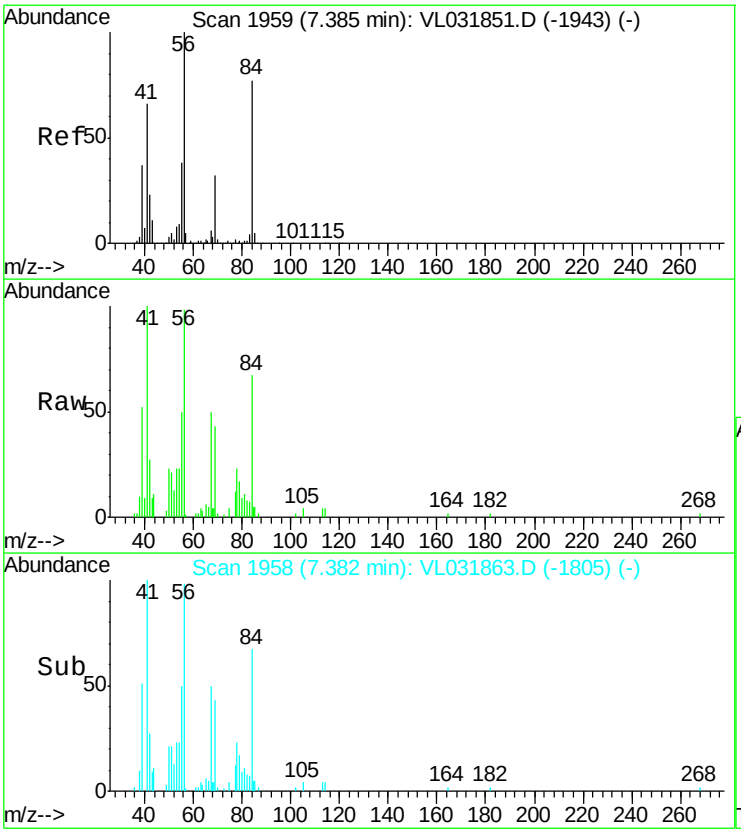
#29
Chloroform
Concen: 0.64 ppbv
RT: 5.97 min Scan# 1520
Delta R.T. -0.01 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion: 83 Resp: 137885

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.0

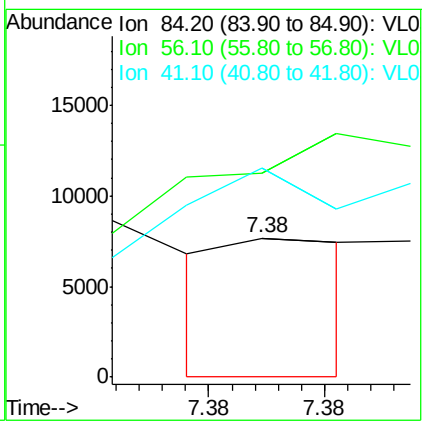


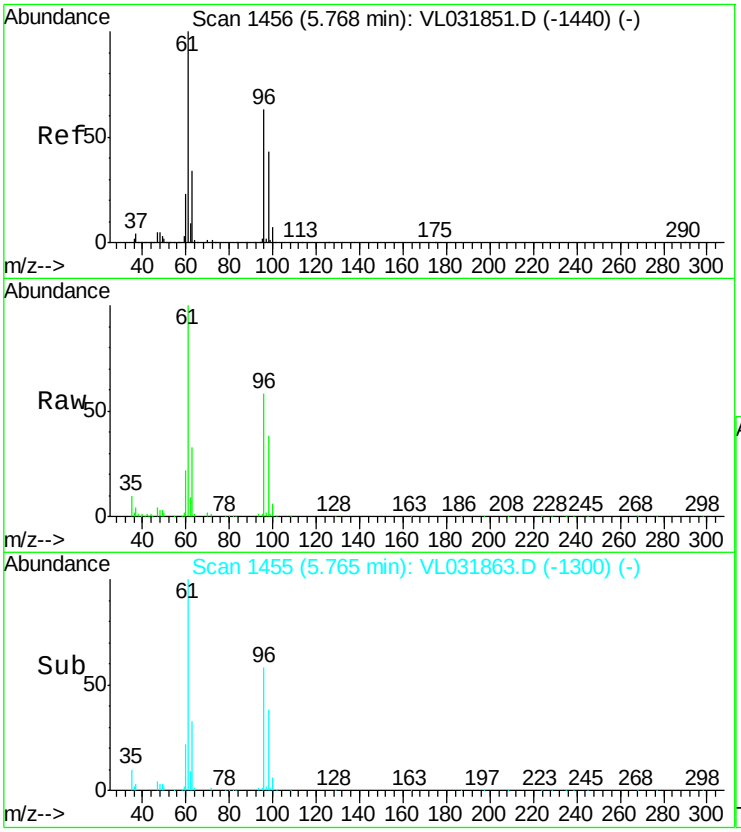


#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.01 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 84 Resp: 2912

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	775.8	68.2	102.2#



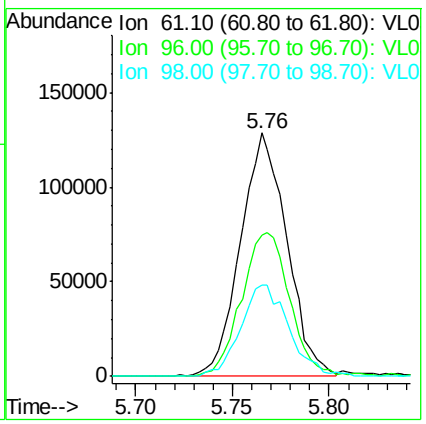


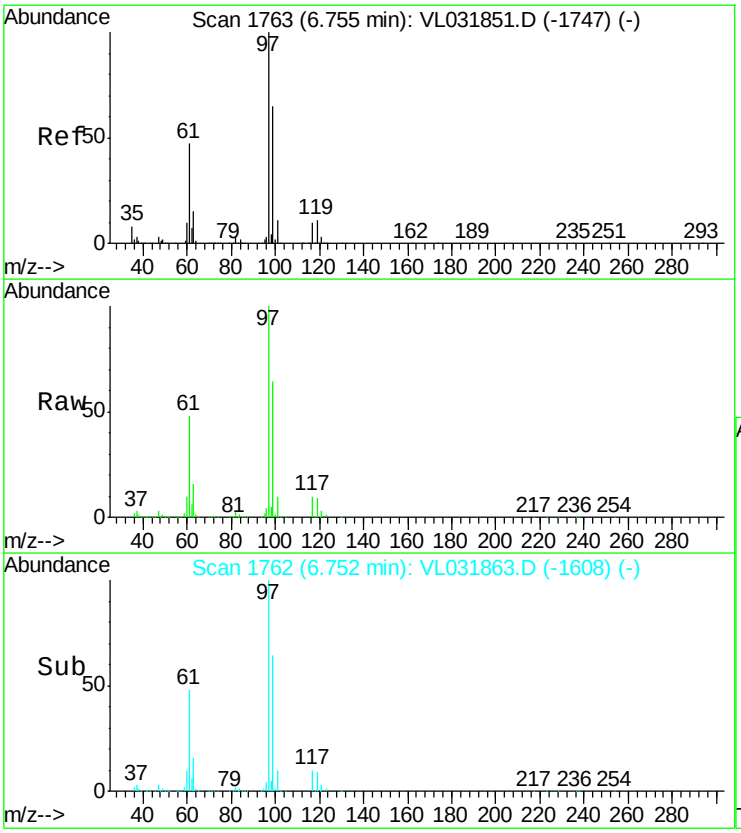
#31
cis-1,2-Dichloroethene
Concen: 1.86 ppbv
RT: 5.76 min Scan# 1455
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion: 61 Resp: 214399

Ion	Ratio	Lower	Upper
61	100		
96	58.0	47.6	71.4
98	37.4	30.3	45.5

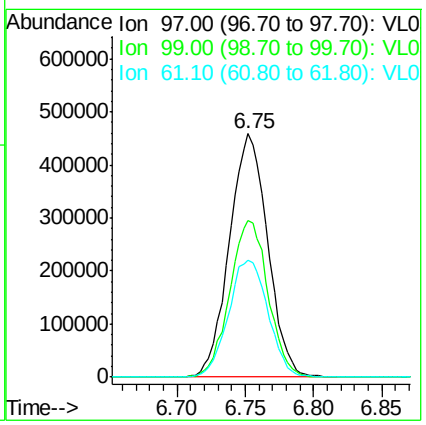


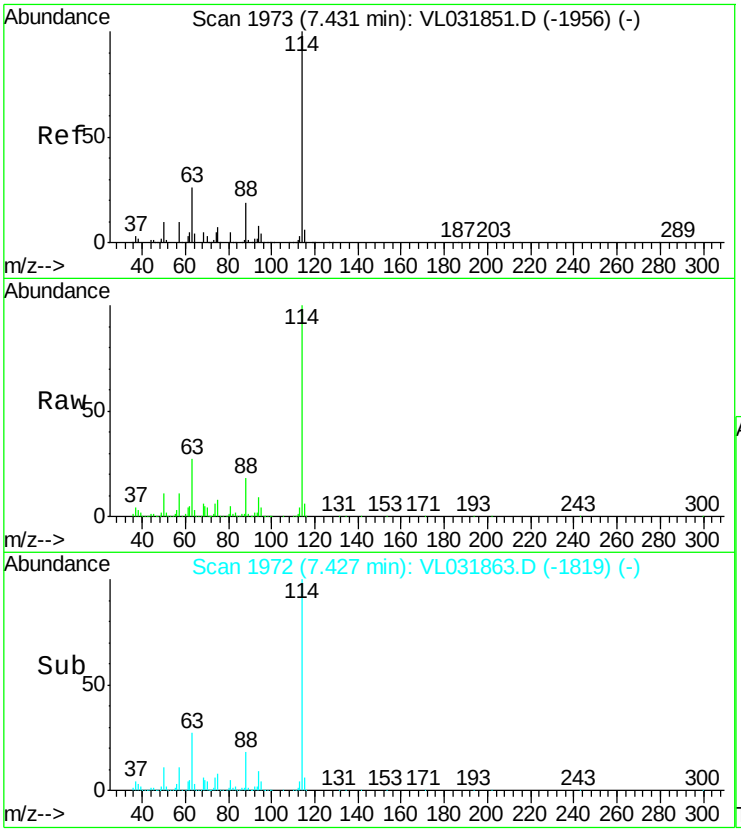


#32
1,1,1-Trichloroethane
Concen: 4.25 ppbv
RT: 6.75 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 97 Resp: 891201

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	50.0	40.0	60.0



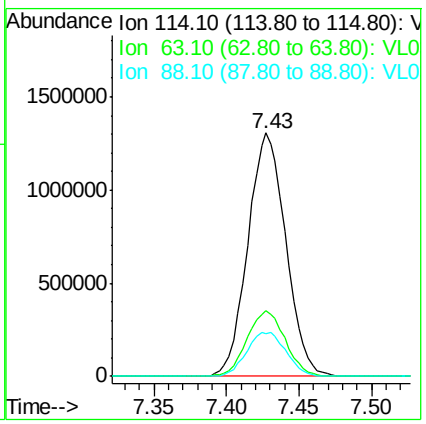


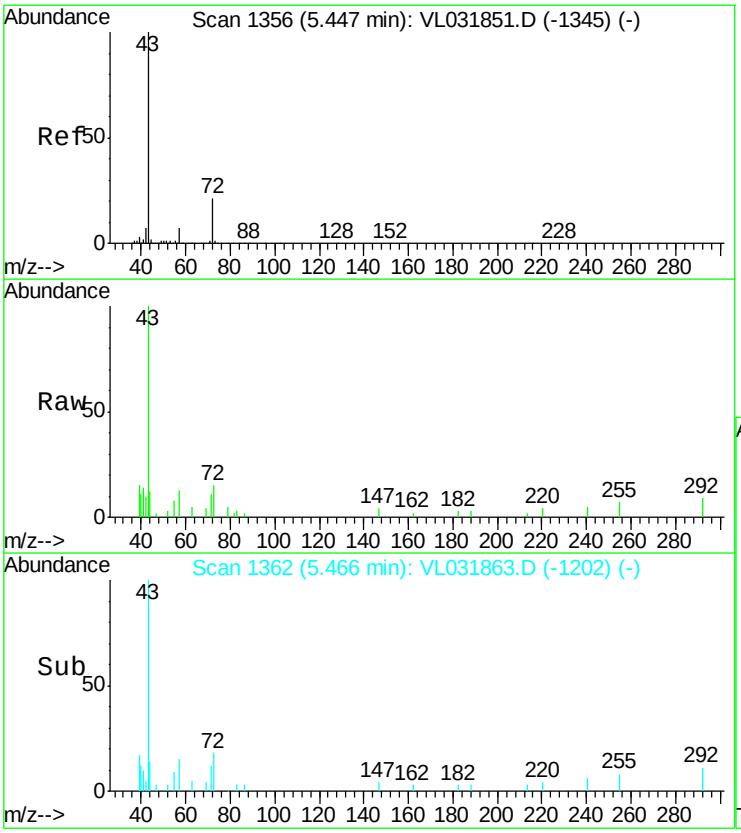
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.43 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion:114 Resp: 2377672

Ion	Ratio	Lower	Upper
114	100		
63	27.4	21.8	32.6
88	18.9	14.6	22.0

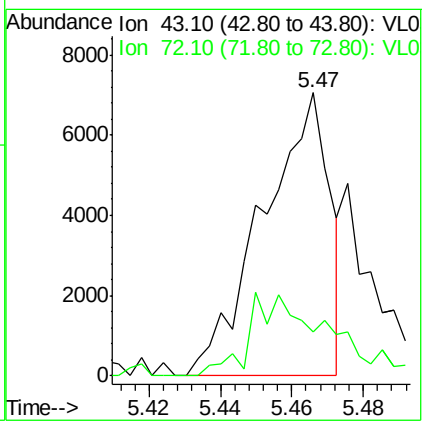


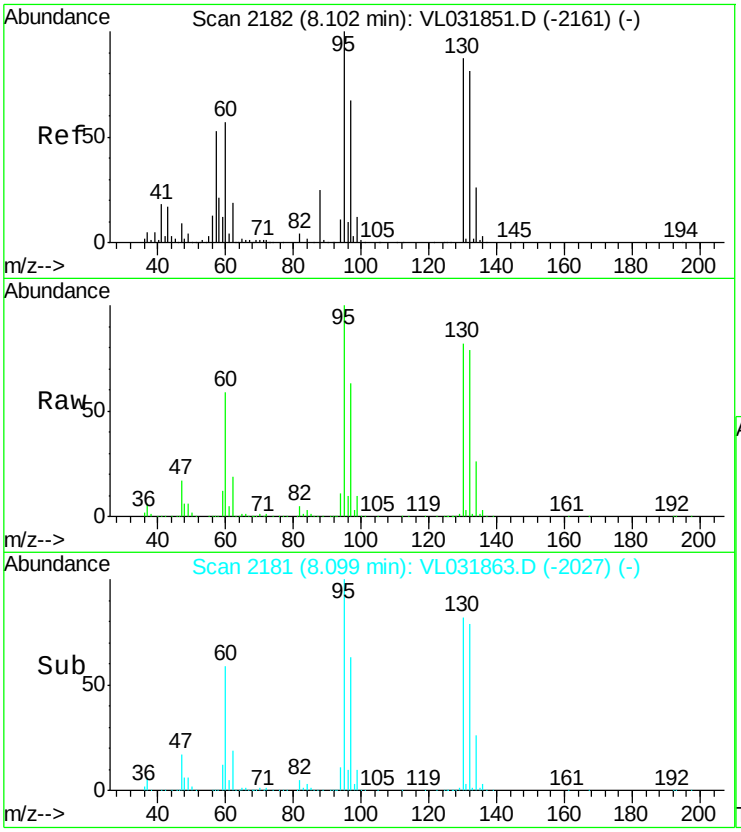


#34
2-Butanone
Concen: 0.06 ppbv
RT: 5.47 min Scan# 1362
Delta R.T. 0.02 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 43 Resp: 9138

Ion	Ratio	Lower	Upper
43	100		
72	34.0	18.6	27.8#



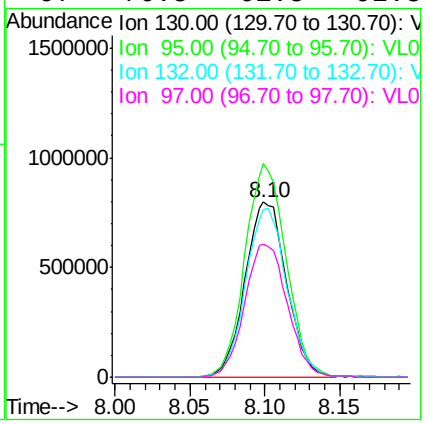


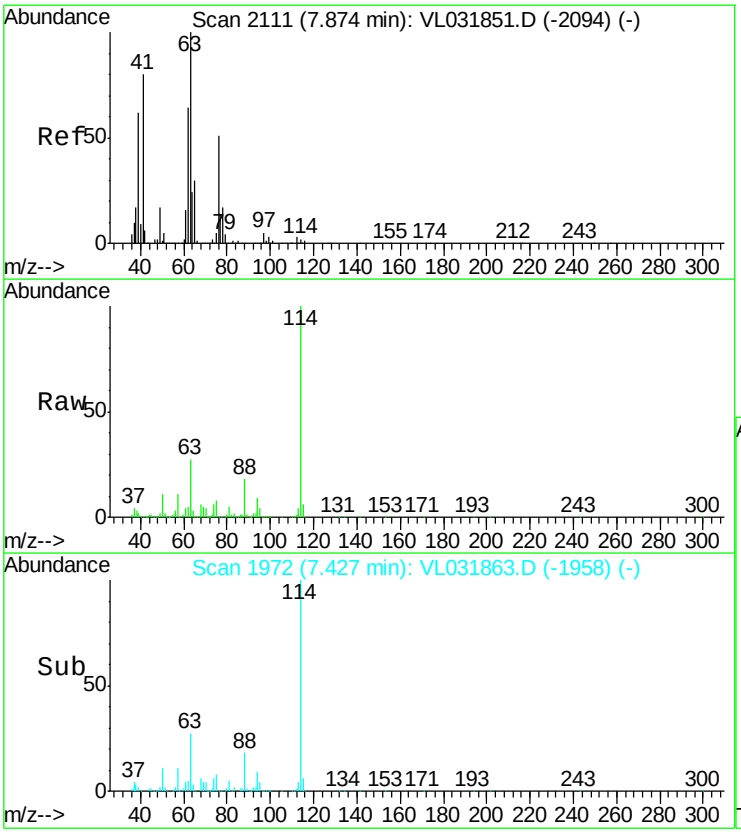
#38
Trichloroethene
Concen: 17.79 ppbv
RT: 8.10 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion:130 Resp: 1544316

Ion	Ratio	Lower	Upper
130	100		
95	122.2	96.6	144.8
132	95.9	79.1	118.7
97	76.5	61.5	92.3

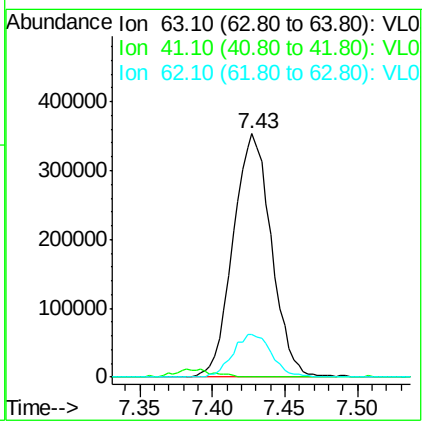


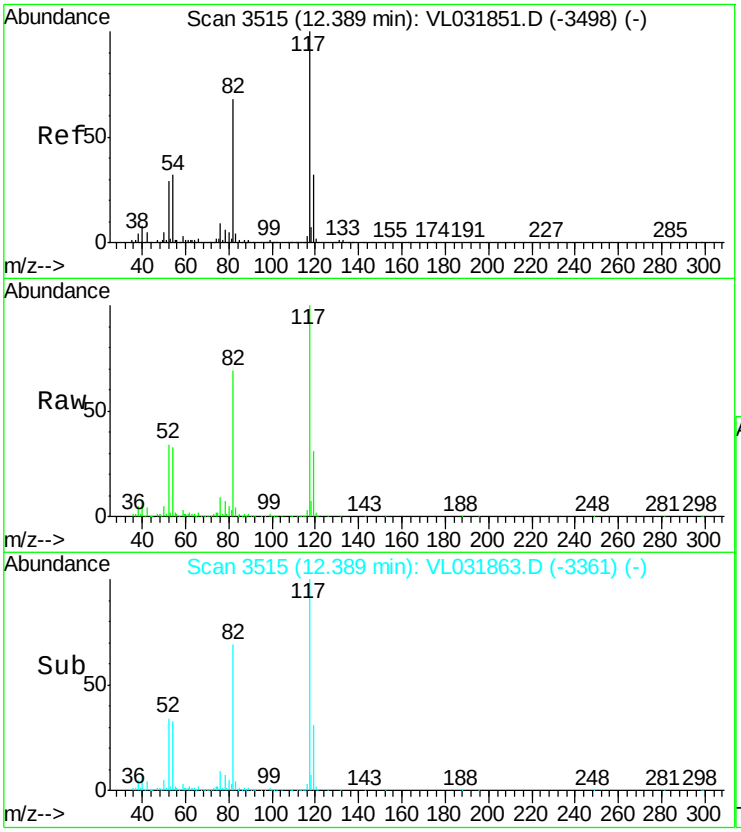


#39
1,2-Dichloropropane
Concen: 8.12 ppbv
RT: 7.43 min Scan# 1972
Delta R.T. -0.45 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 63 Resp: 645602

Ion	Ratio	Lower	Upper
63	100		
41	0.1	65.8	98.6#
62	17.4	55.0	82.6#



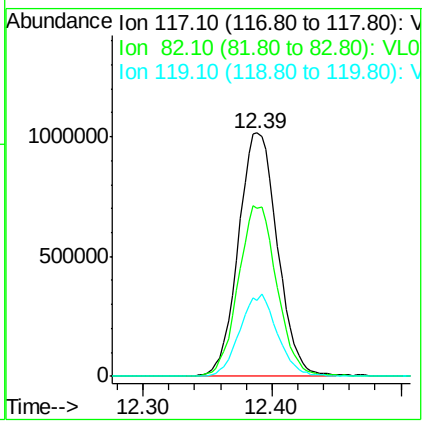


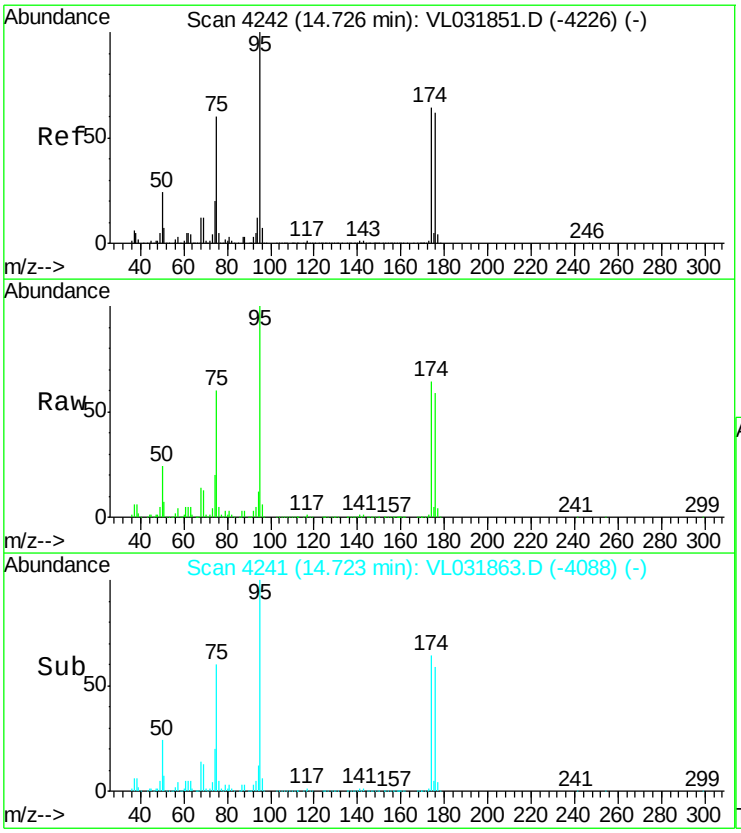
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DUP

Tgt Ion:117 Resp: 2141245

Ion	Ratio	Lower	Upper
117	100		
82	70.0	54.6	81.8
119	32.5	26.0	39.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.99 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. -0.01 min
Lab File: VL031863.D
Acq: 12 Apr 2018 12:20

Tgt Ion: 95 Resp: 1719347

Ion	Ratio	Lower	Upper
95	100		
174	64.6	52.3	78.5
175	4.5	3.9	5.9