Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031961.D
Acq On : 3 May 2018 12:06
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 03 12:34:31 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 12:00:23 2018
QLast Update : Thu May 03 12:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1283057	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2694093	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2638498	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.73	95	1955489	9.22	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.16	85	461583	1.744	ppbv	98
3) Chlorodifluoromethane	3.10	51	276848	1.855	ppbv	95
4) Chloromethane	3.25	50	136786	1.796	ppbv	92
5) Vinyl Chloride	3.38	62	139431	1.626	ppbv	99
6) Bromomethane	3.61	94	94587	1.678	ppbv	95
7) Chloroethane	3.69	64	57608	1.685	ppbv	94
8) Dichlorotetrafluoroethane	3.31	85	372830	1.716	ppbv	100
9) Propene	3.12	41	102231	1.981	ppbv	99
10) Heptane	8.38	43	333708	1.993	ppbv	99
11) Trichlorofluoromethane	4.10	101	406402	1.566	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.66	101	316688	1.878	ppbv	97
13) Ethanol	3.75	45	34242	1.955	ppbv	99
14) Bromoethene	3.88	108	110784	1.742	ppbv	98
15) Acetone	4.00	43	373898	1.893	ppbv	97
16) 1,3-Butadiene	3.45	39	131926	1.806	ppbv	95
17) tert-Butyl alcohol	4.46	59	75567	0.926	ppbv #	72
18) 1,1-Dichloroethene	4.46	96	144289	1.992	ppbv	89
19) Isopropyl Alcohol	4.13	45	195889	1.776	ppbv	100
20) Methylene Chloride	4.52	84	133928	1.862	ppbv	90
21) Allyl Chloride	4.59	41	222971	1.976	ppbv	100
22) trans-1,2-Dichloroethene	5.08	96	153671	2.047	ppbv	95
23) Vinyl Acetate	5.27	43	449392	2.244	ppbv	98
24) 1,1-Dichloroethane	5.21	63	405675	2.033	ppbv	97
25) Ethyl Acetate	5.89	43	670922	2.178	ppbv	99
26) Hexane	5.90	57	313089	2.180	ppbv	97
27) Carbon Disulfide	4.73	76	358804	1.925	ppbv #	94
28) Methyl tert-Butyl Ether	5.23	73	397977	2.252	ppbv	98
29) Chloroform	5.97	83	497350	2.043	ppbv	98
30) Cyclohexane	7.38	84	215721	2.104	ppbv	90
31) cis-1,2-Dichloroethene	5.76	61	301245	2.316	ppbv	99
32) 1,1,1-Trichloroethane	6.75	97	440651	1.859	ppbv	98
34) 2-Butanone	5.45	43	473429	2.533	ppbv	99
35) Carbon Tetrachloride	7.27	117	439640	1.879	ppbv	99
36) Benzene	7.13	78	531413	2.193	ppbv	96
37) 1,2-Dichloroethane	6.54	62	359185	1.992	ppbv	98
38) Trichloroethene	8.09	130	209689	2.132	ppbv	87
39) 1,2-Dichloropropane	7.87	63	188639	2.094	ppbv	98
40) 1,4-Dioxane	8.10	88	30206	0.826	ppbv #	1
41) Tetrahydrofuran	6.28	42	224984	2.601	ppbv	96
42) Bromodichloromethane	8.05	83	434751	2.015	ppbv	100
43) Methyl Methacrylate	8.27	69	186772	2.190	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031961.D
Acq On : 3 May 2018 12:06
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 03 12:34:31 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 12:00:23 2018
QLast Update : Thu May 03 12:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	898528	2.153	ppbv		99
45) t-1,3-Dichloropropene	9.55	75	242674	2.194	ppbv		93
46) cis-1,3-Dichloropropene	8.97	75	300290	2.124	ppbv		96
47) 1,1,2-Trichloroethane	9.75	97	221723	2.071	ppbv		96
48) Dibromochloromethane	10.59	129	368308	2.129	ppbv		98
49) Bromoform	13.35	173	272454	2.045	ppbv		99
50) 4-Methyl-2-Pentanone	9.01	43	455665	2.130	ppbv		99
51) 2-Hexanone	10.41	43	431136	2.306	ppbv	#	98
52) Tetrachloroethene	11.52	164	200170	2.120	ppbv		96
53) Toluene	10.09	91	616778	2.282	ppbv		98
54) 1,2-Dibromoethane	10.90	107	338616	2.179	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.42	131	257774	2.076	ppbv	#	1
57) Chlorobenzene	12.44	112	482694	2.158	ppbv		93
58) Ethyl Benzene	13.01	91	849440	2.318	ppbv		98
59) m/p-Xylene	13.30	91	722142	2.270	ppbv	#	36
60) o-Xylene	13.99	91	713462	2.243	ppbv		98
61) Styrene	13.83	104	144410	2.385	ppbv		98
62) Isopropylbenzene	14.97	105	904048	2.213	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.98	83	482467	1.973	ppbv		99
64) n-propylbenzene	15.86	120	226558	2.281	ppbv		98
65) tert-Butylbenzene	17.05	119	799411	2.275	ppbv		99
66) Benzyl Chloride	17.30	91	60264	1.904	ppbv	#	94
67) sec-Butylbenzene	17.60	105	1105926	2.185	ppbv		100
69) p-Isopropyltoluene	17.96	119	900758	2.296	ppbv		99
70) n-Butylbenzene	18.85	91	921970	2.257	ppbv		99
71) 2-Chlorotoluene	15.76	91	652901	2.211	ppbv		99
72) 4-Ethyltoluene	16.14	105	713619	2.196	ppbv		99
73) 1,3,5-Trimethylbenzene	16.30	105	653191	2.196	ppbv		98
74) 1,2,4-Trimethylbenzene	17.07	105	733514	2.209	ppbv		96
75) 1,3-Dichlorobenzene	17.31	146	436261	2.142	ppbv		99
76) 1,4-Dichlorobenzene	17.45	146	427813	2.165	ppbv		98
77) 1,2-Dichlorobenzene	18.14	146	435214	2.170	ppbv		98
78) Hexachloro-1,3-Butadiene	23.68	225	158248	2.055	ppbv		99
79) Naphthalene	22.58	128	231900	1.241	ppbv		97
80) Naphthalene,2-methyl-	25.23	142	96044	2.632	ppbv		100
81) 1,2,4-Trichlorobenzene	22.31	180	268363	2.588	ppbv		99

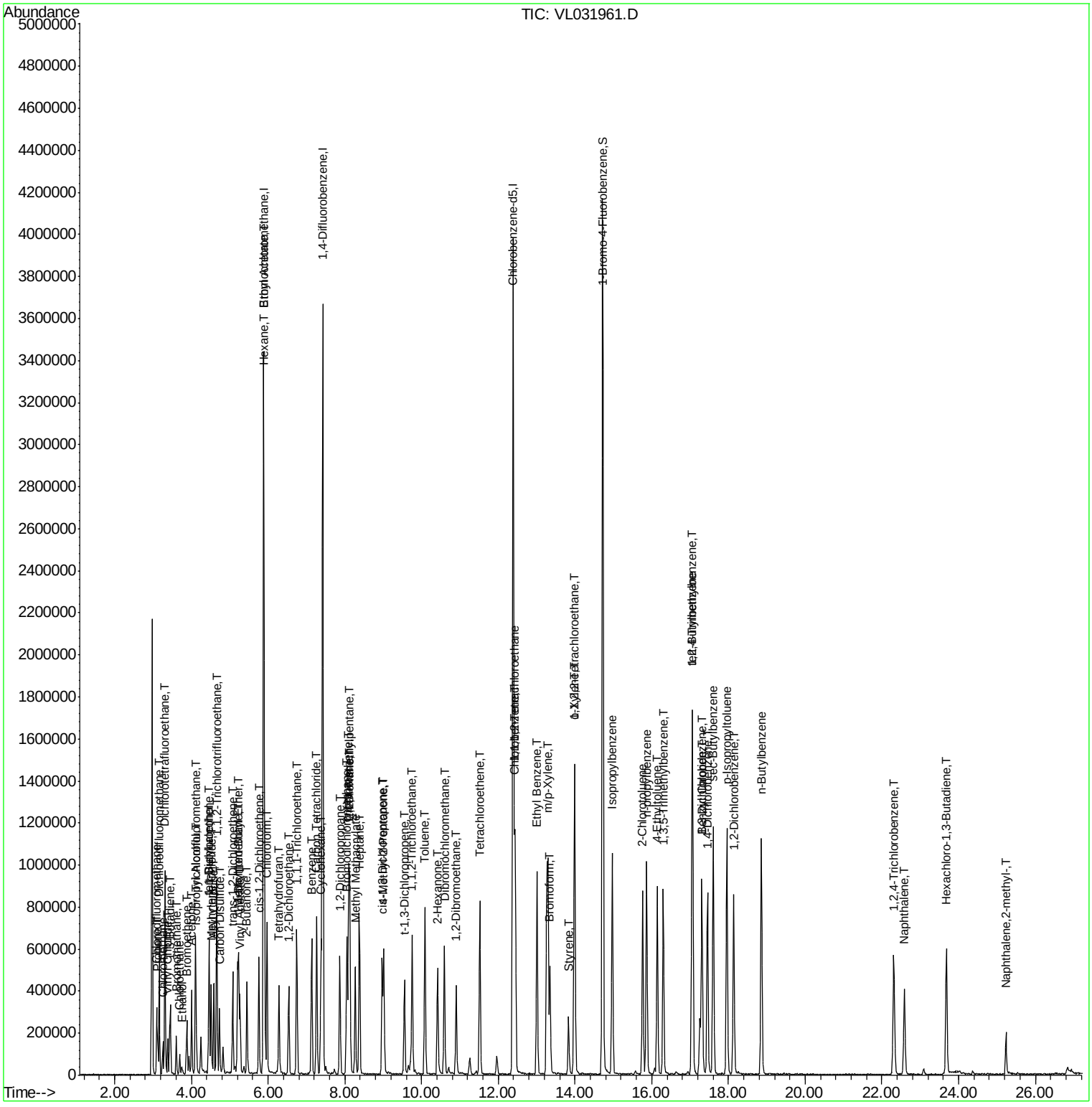
(#) = qualifier out of range (m) = manual integration (+) = signals summed

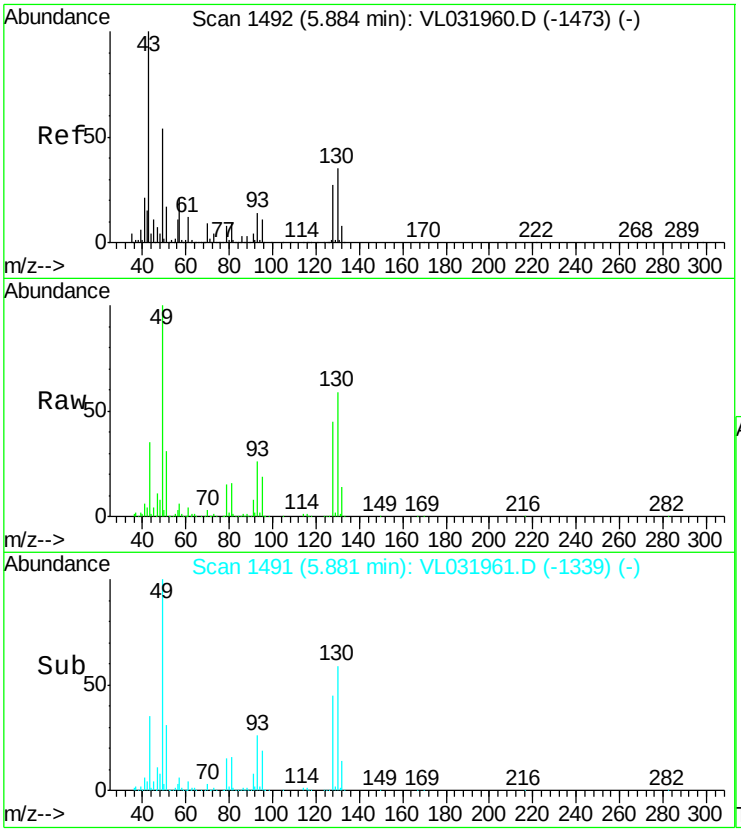
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031961.D
Acq On : 3 May 2018 12:06
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 03 12:34:31 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 12:00:23 2018
QLast Update : Thu May 03 12:00:23 2018
Response via : Initial Calibration



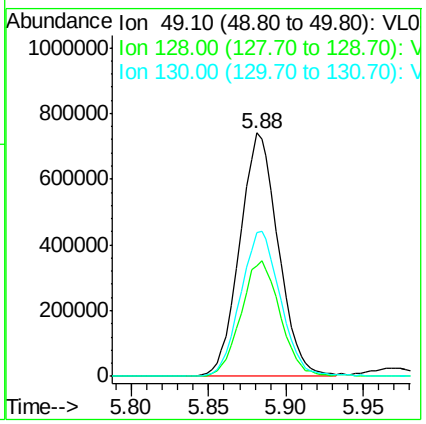


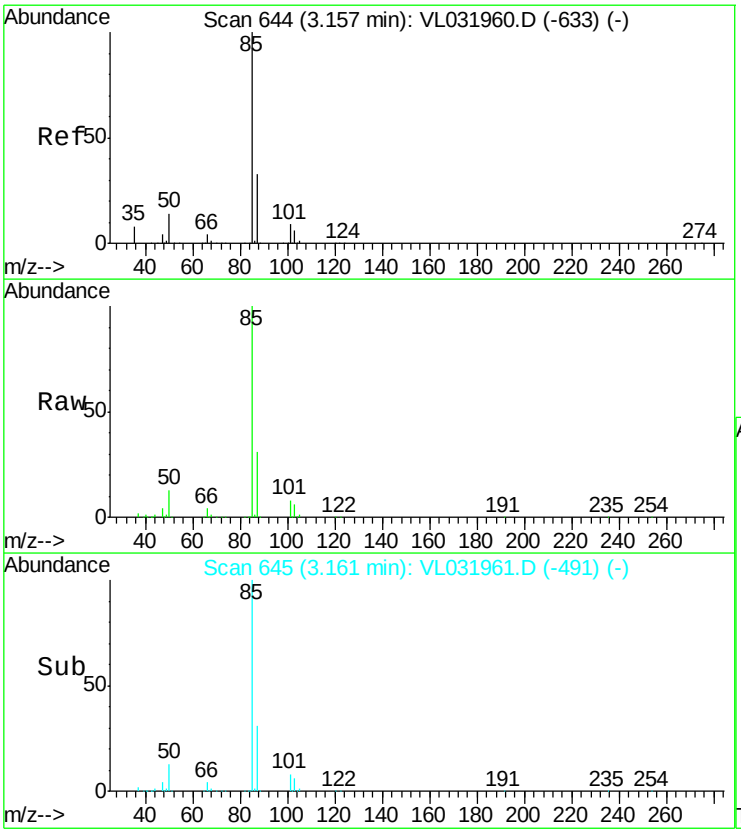
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1283057

Ion	Ratio	Lower	Upper
49	100		
128	48.7	23.9	71.7
130	61.9	30.9	92.7

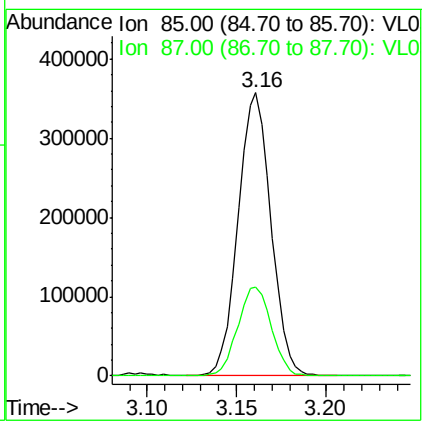


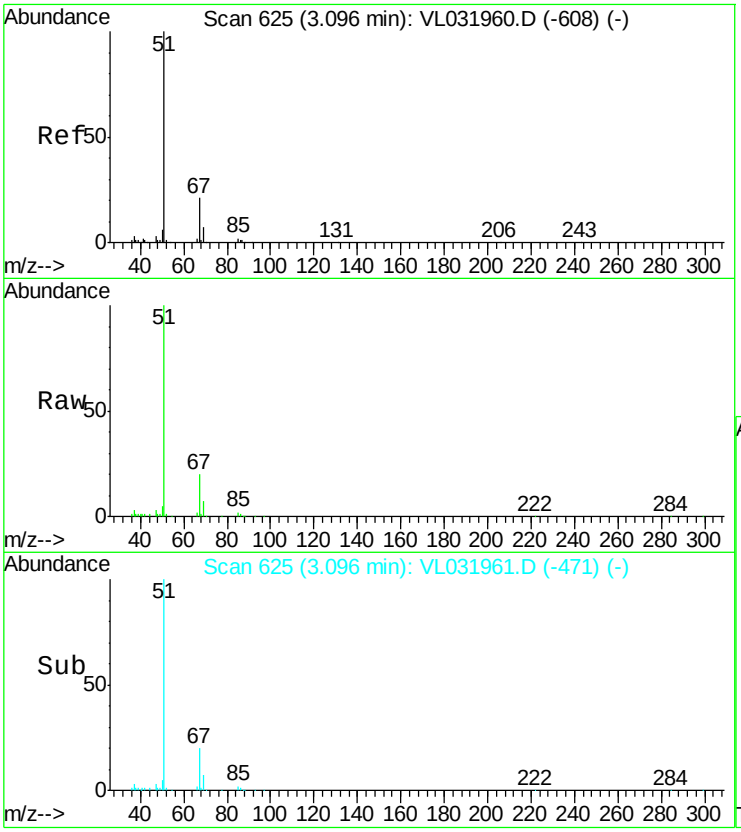


#2
Dichlorodifluoromethane
Concen: 1.744 ppbv
RT: 3.16 min Scan# 645
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 85 Resp: 461583

Ion	Ratio	Lower	Upper
85	100		
87	31.2	25.9	38.9



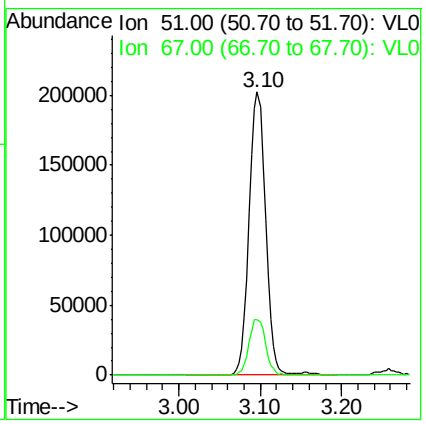


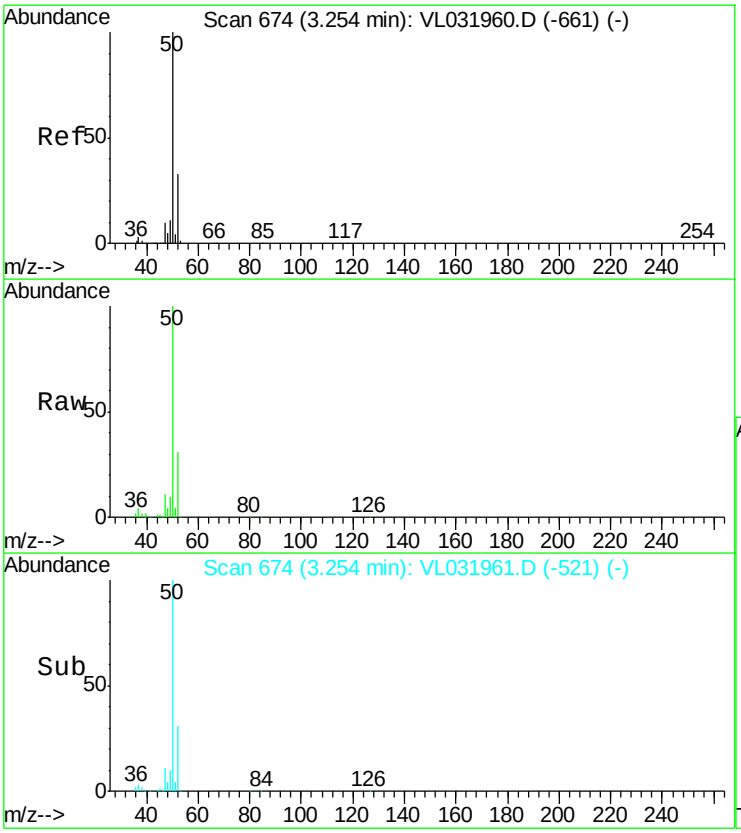
#3
Chlorodifluoromethane
Concen: 1.855 ppbv
RT: 3.10 min Scan# 625
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 276848

Ion	Ratio	Lower	Upper
51	100		
67	19.6	17.5	26.3

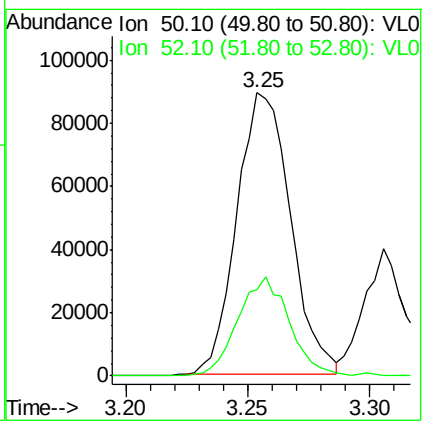


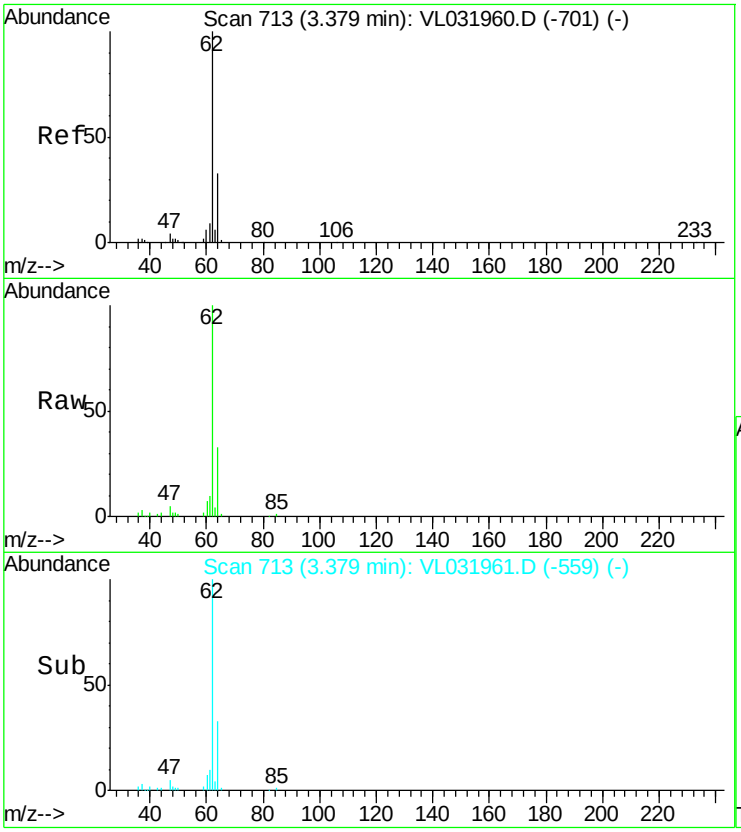


#4
Chloromethane
Concen: 1.796 ppbv
RT: 3.25 min Scan# 674
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 50 Resp: 136786

Ion	Ratio	Lower	Upper
50	100		
52	30.5	28.1	42.1



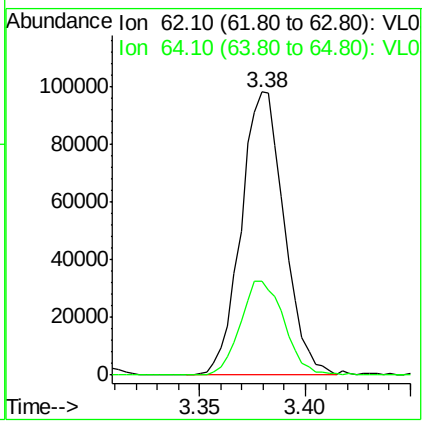


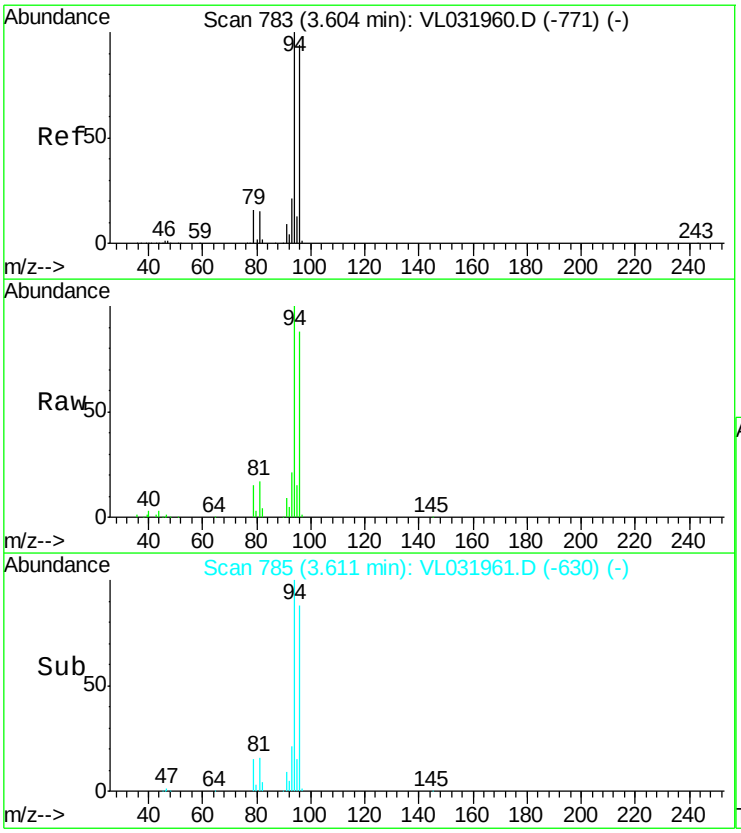
#5
Vinyl Chloride
Concen: 1.626 ppbv
RT: 3.38 min Scan# 713
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 139431

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.9	38.9

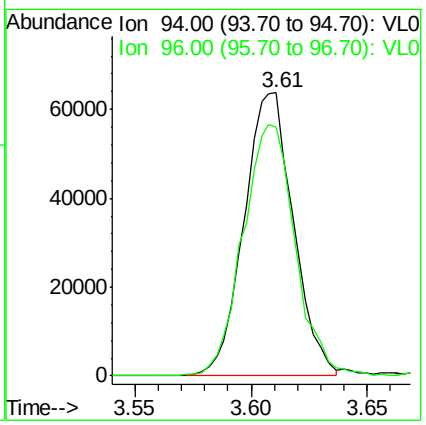


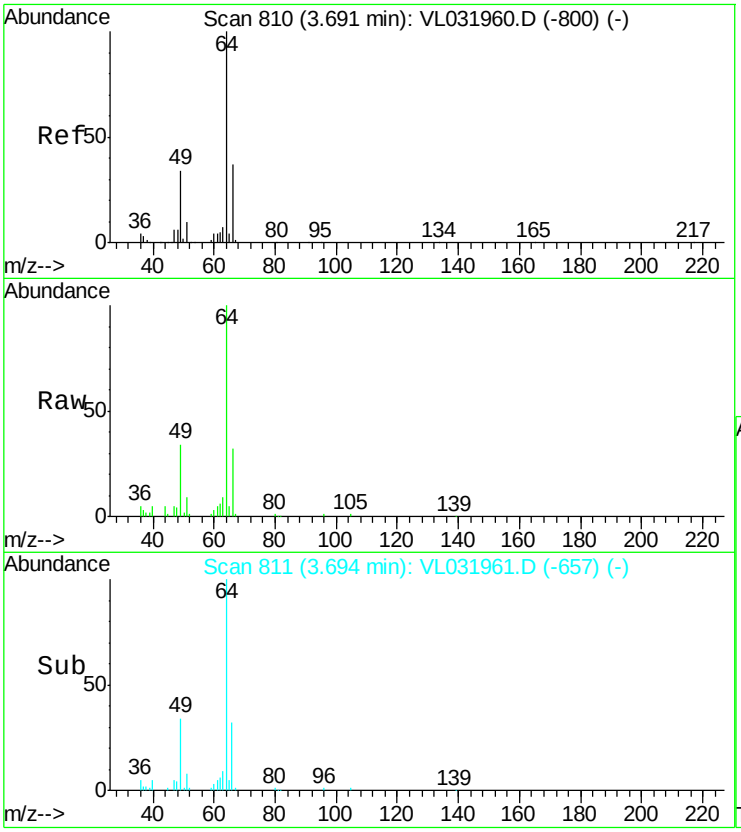


#6
Bromomethane
Concen: 1.678 ppbv
RT: 3.61 min Scan# 785
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 94 Resp: 94587

Ion	Ratio	Lower	Upper
94	100		
96	87.3	73.8	110.6



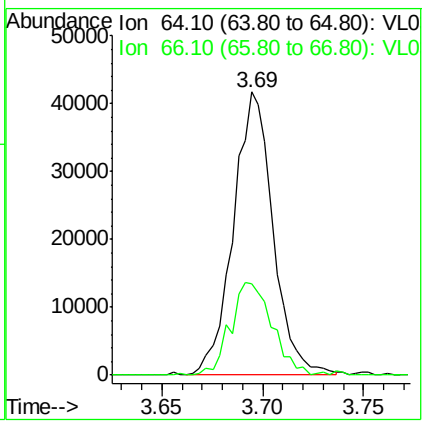


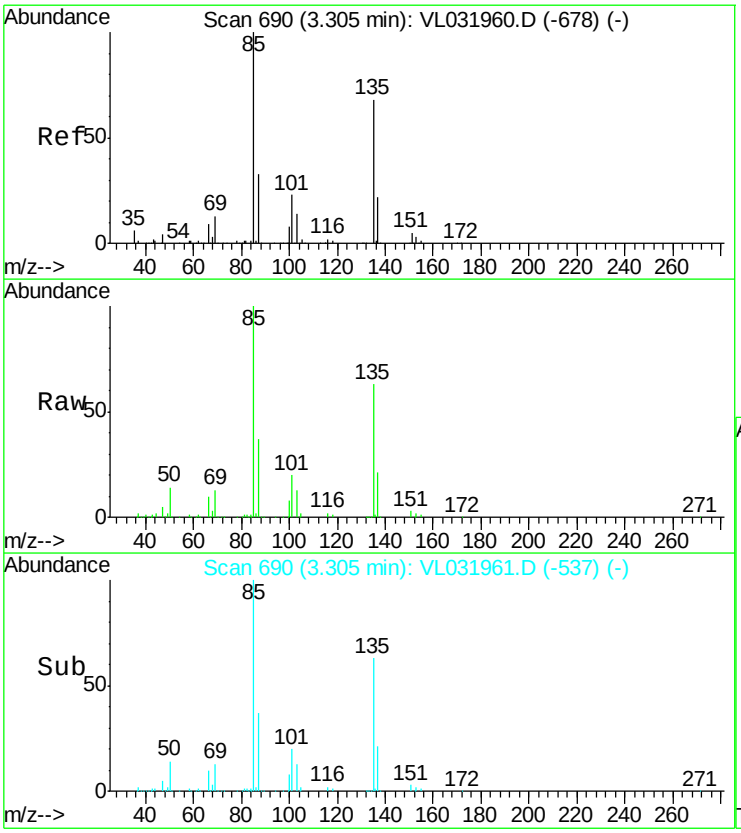
#7
Chloroethane
Concen: 1.685 ppbv
RT: 3.69 min Scan# 811
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 64 Resp: 57608

Ion	Ratio	Lower	Upper
64	100		
66	32.5	23.4	35.0

Instrument :
MSVOA_L
ClientSampleId :

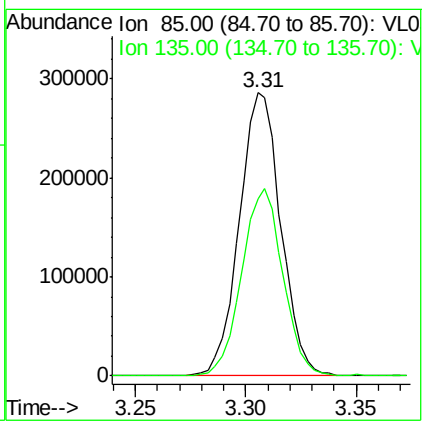


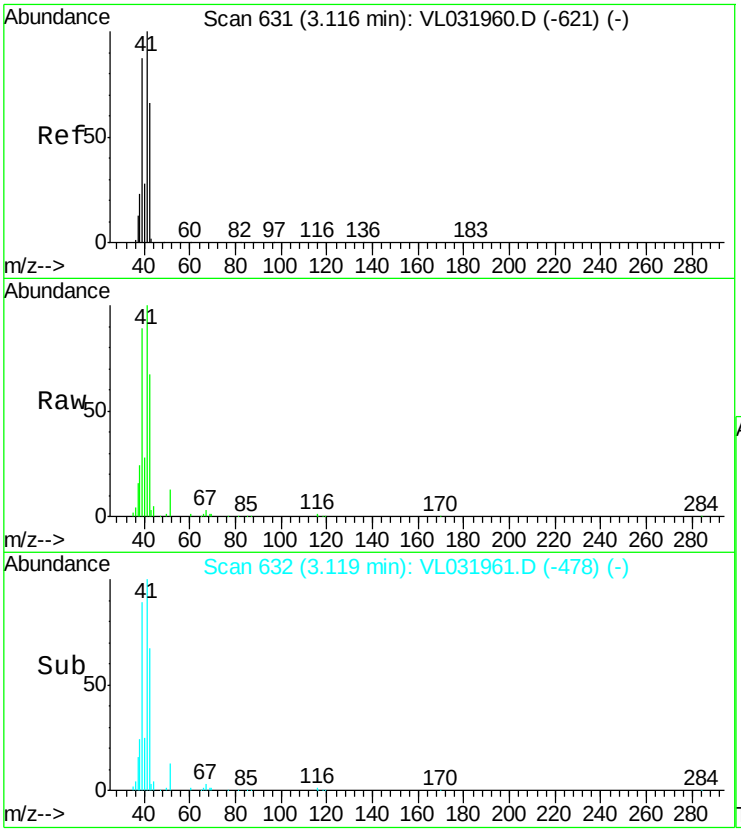


#8
Dichlorotetrafluoroethane
Concen: 1.716 ppbv
RT: 3.31 min Scan# 690
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 85 Resp: 372830

Ion	Ratio	Lower	Upper
85	100		
135	66.1	52.7	79.1



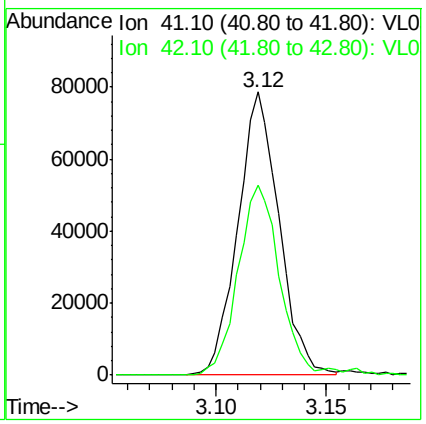


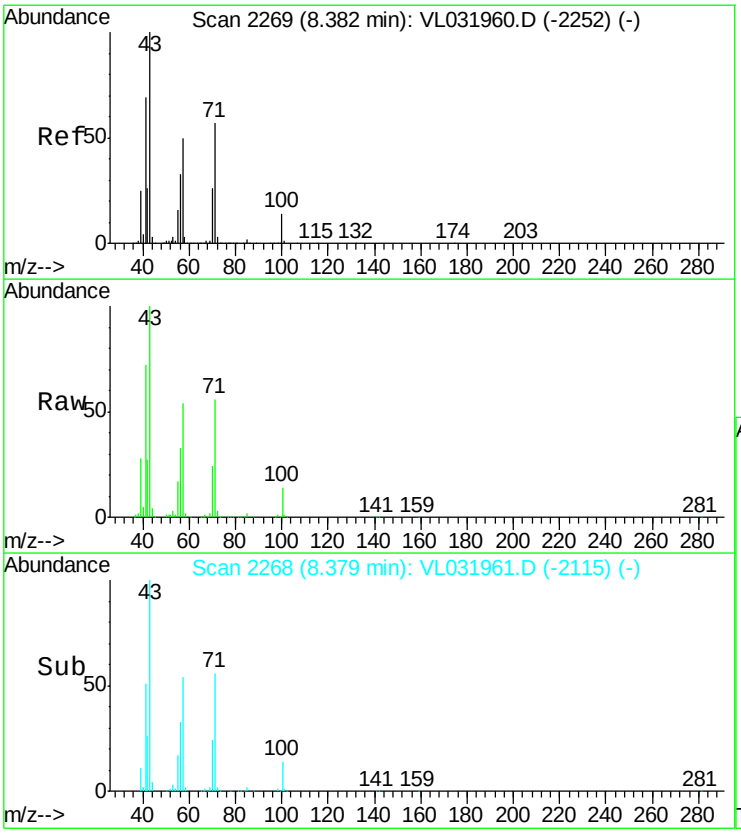
#9
Propene
Concen: 1.981 ppbv
RT: 3.12 min Scan# 632
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 102231

Ion	Ratio	Lower	Upper
41	100		
42	69.1	55.0	82.4

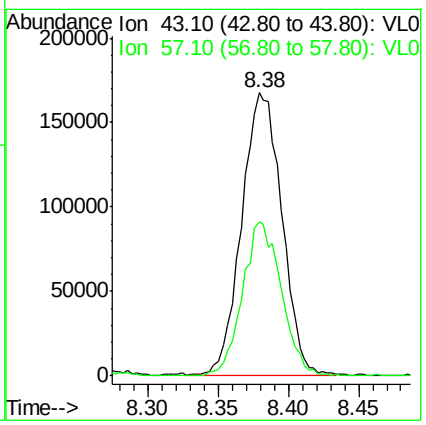


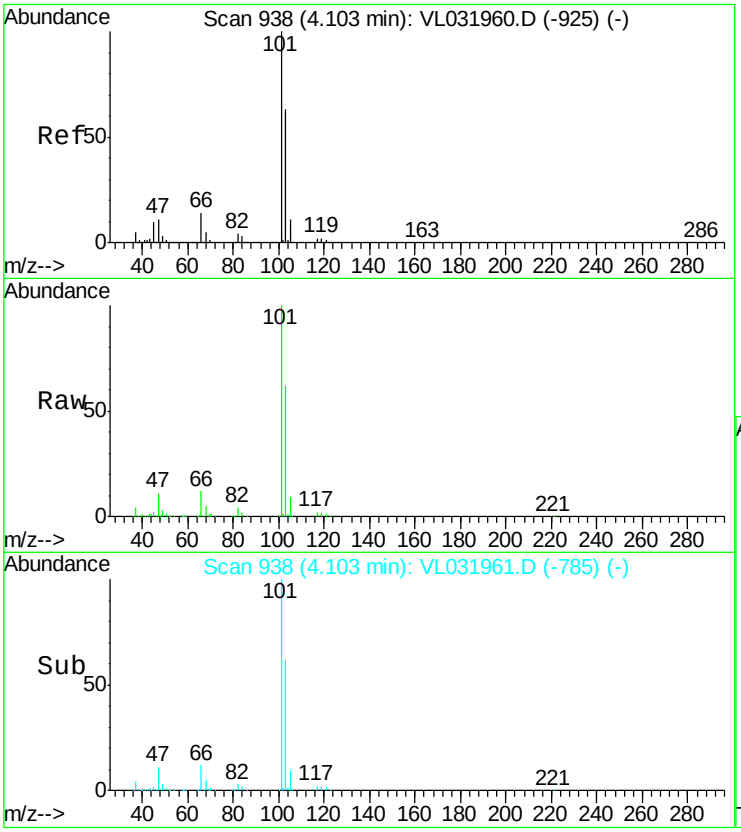


#10
Heptane
Concen: 1.993 ppbv
RT: 8.38 min Scan# 2268
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 43 Resp: 333708

Ion	Ratio	Lower	Upper
43	100		
57	52.9	41.5	62.3



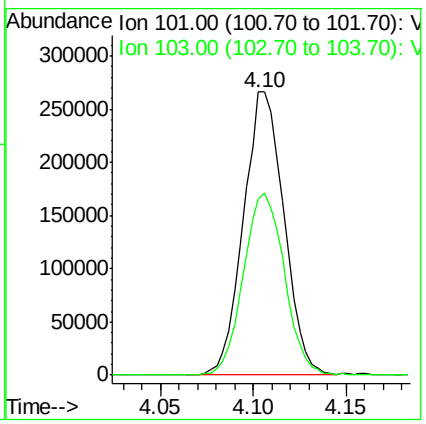


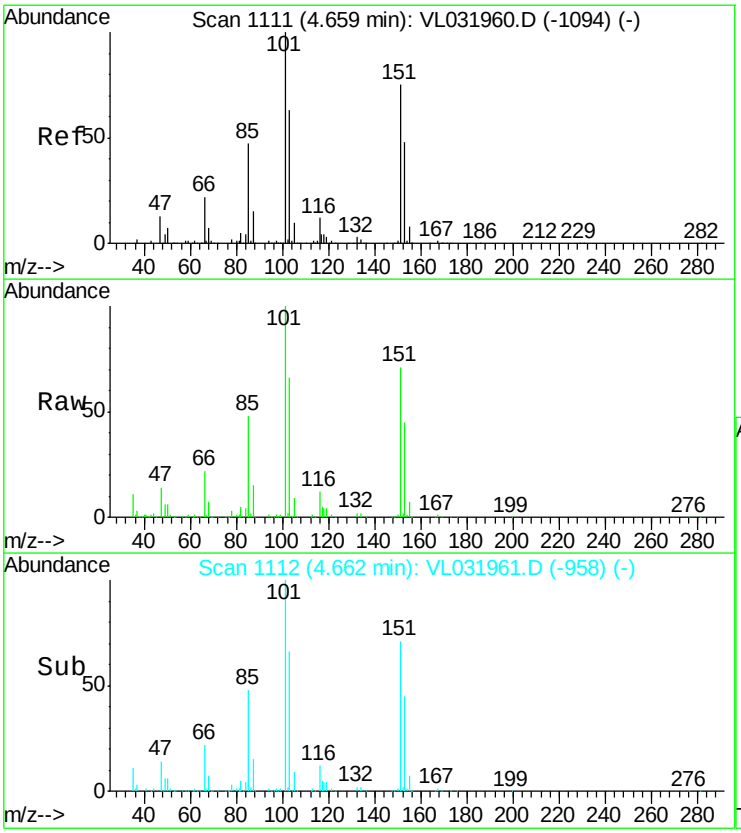
#11
Trichlorofluoromethane
Concen: 1.566 ppbv
RT: 4.10 min Scan# 938
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 406402

Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.8	77.8

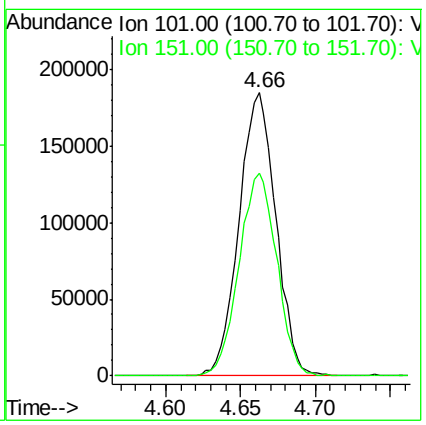


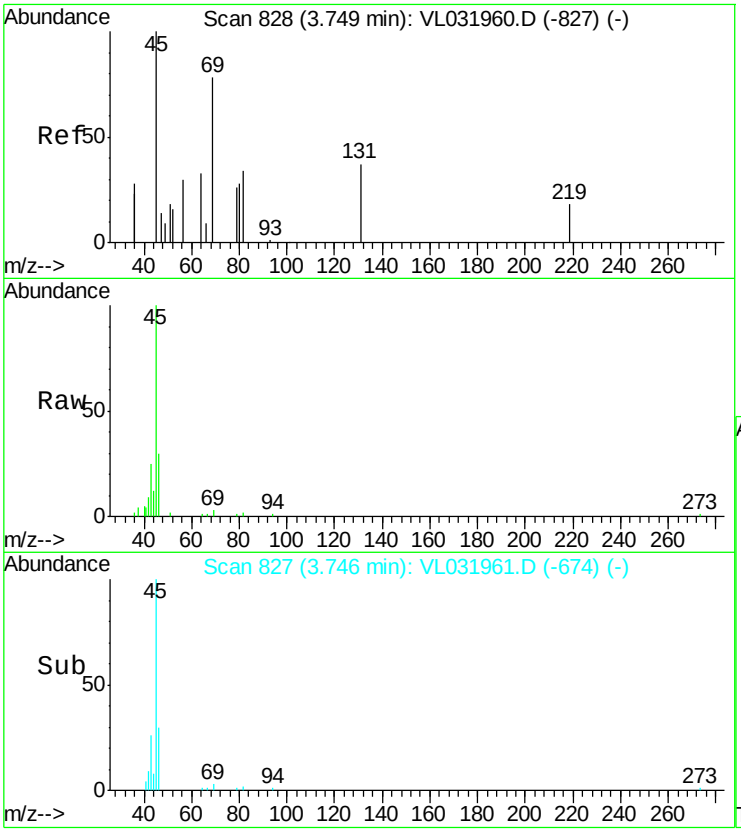


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.878 ppbv
RT: 4.66 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:101 Resp: 316688

Ion	Ratio	Lower	Upper
101	100		
151	73.4	57.0	85.6



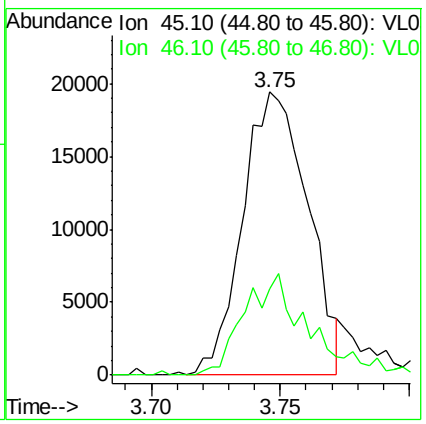


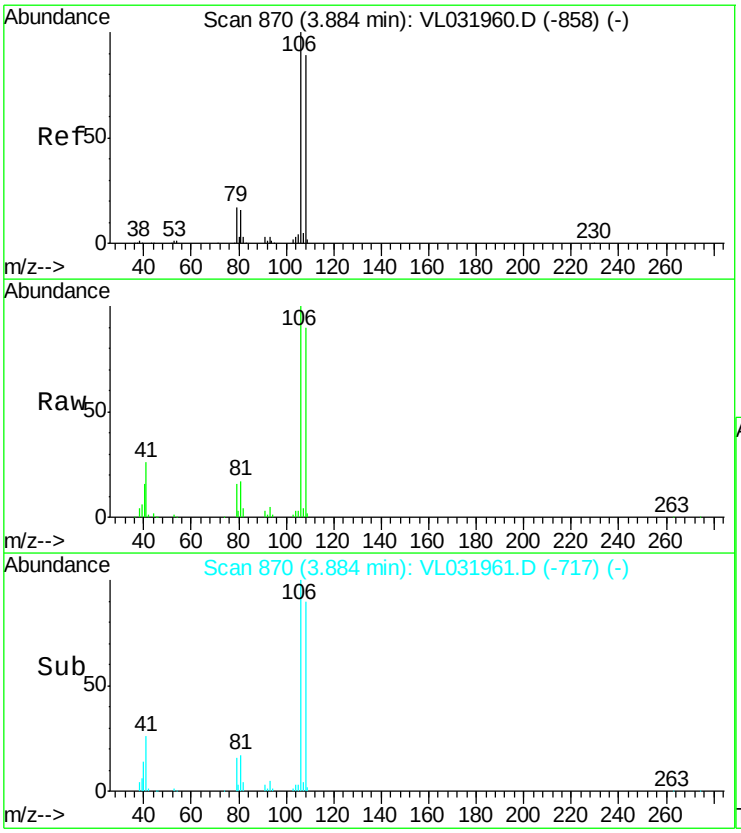
#13
Ethanol
Concen: 1.955 ppbv
RT: 3.75 min Scan# 827
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 34242

Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.6	58.6

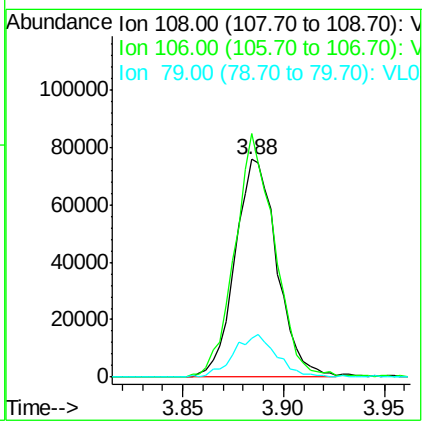


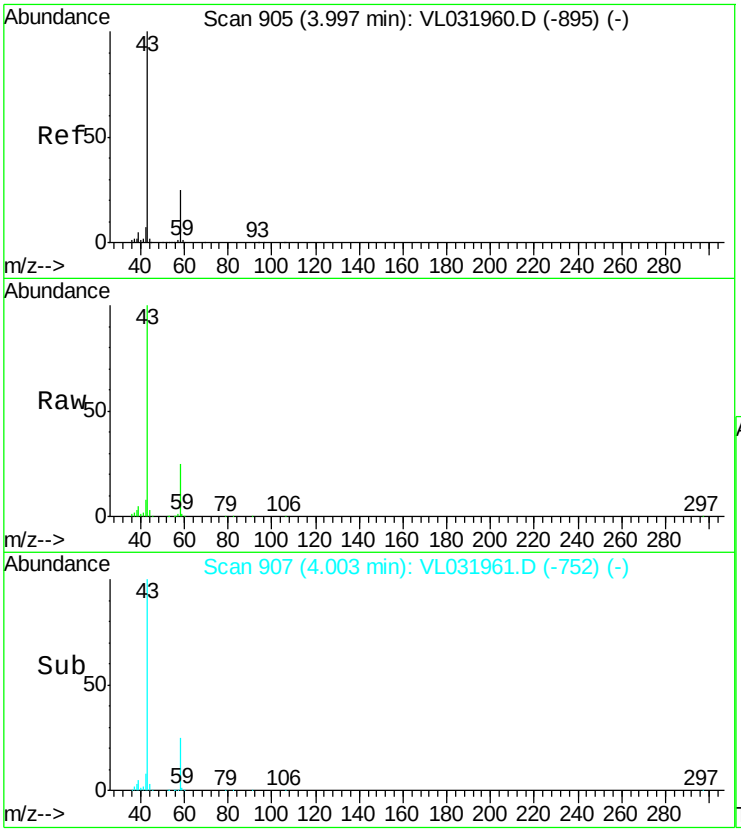


#14
Bromoethene
Concen: 1.742 ppbv
RT: 3.88 min Scan# 870
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:108 Resp: 110784

Ion	Ratio	Lower	Upper
108	100		
106	106.5	86.6	130.0
79	20.2	15.5	23.3



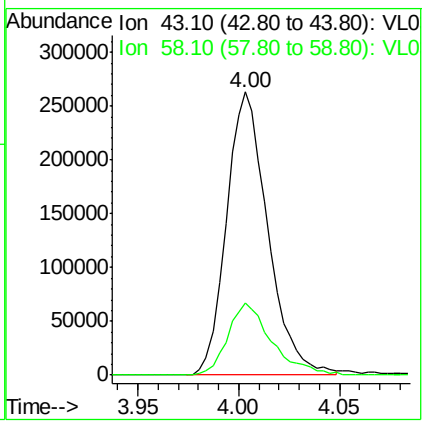


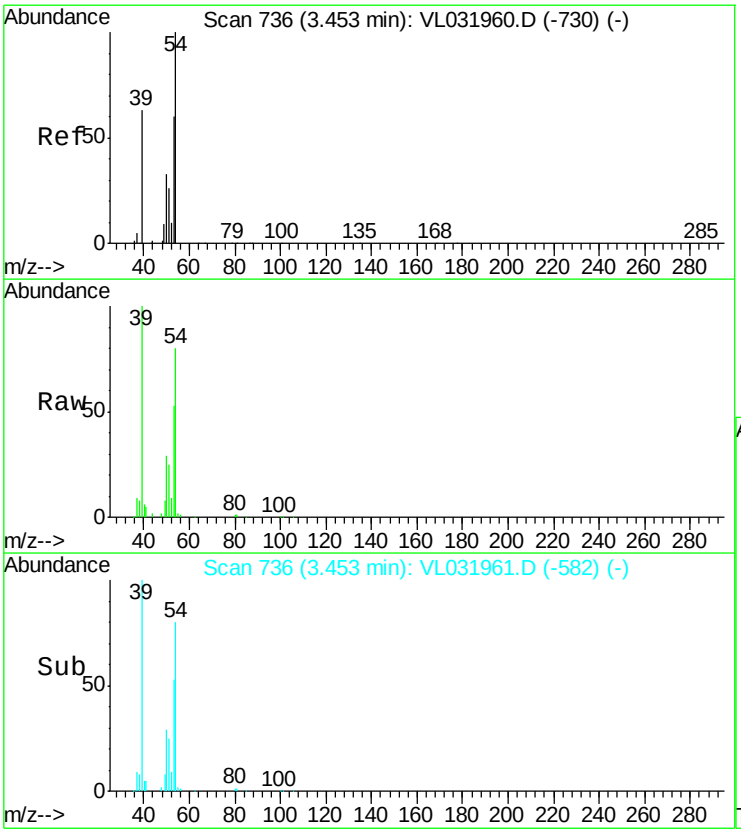
#15
Acetone
Concen: 1.893 ppbv
RT: 4.00 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 373898

Ion	Ratio	Lower	Upper
43	100		
58	27.6	20.9	31.3

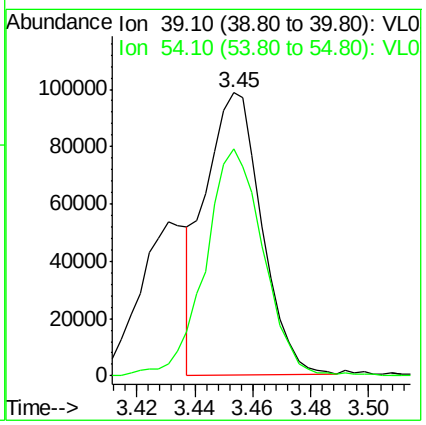


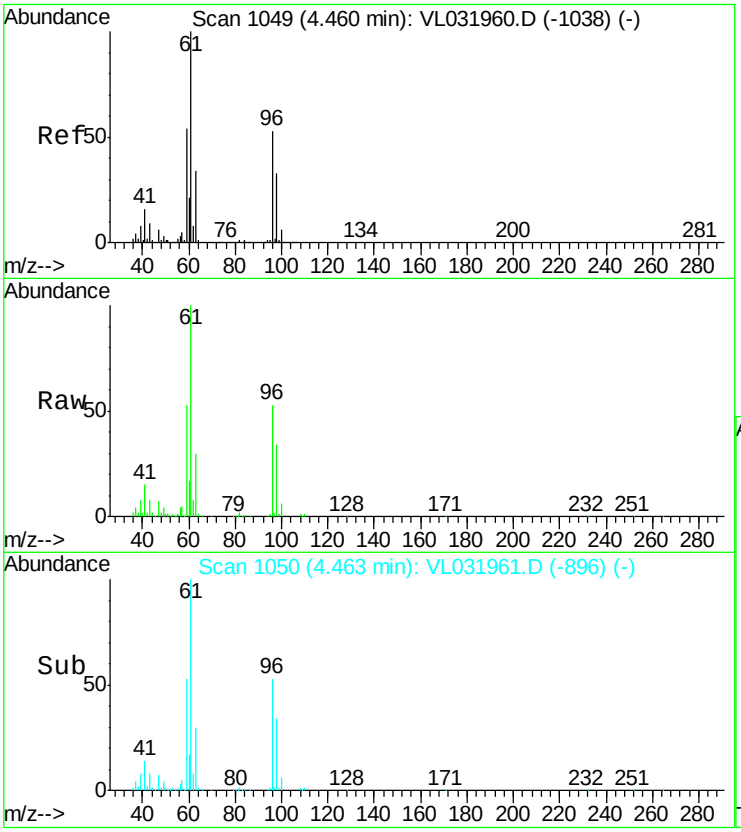


#16
1,3-Butadiene
Concen: 1.806 ppbv
RT: 3.45 min Scan# 736
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 39 Resp: 131926

Ion	Ratio	Lower	Upper
39	100		
54	83.7	63.3	94.9



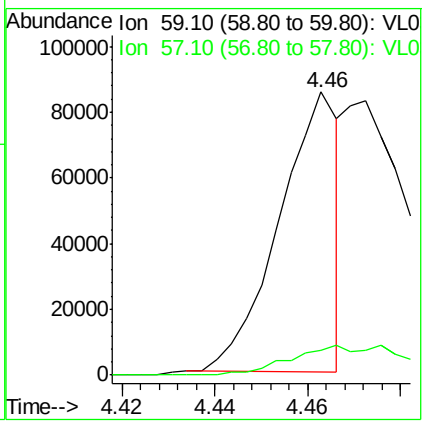


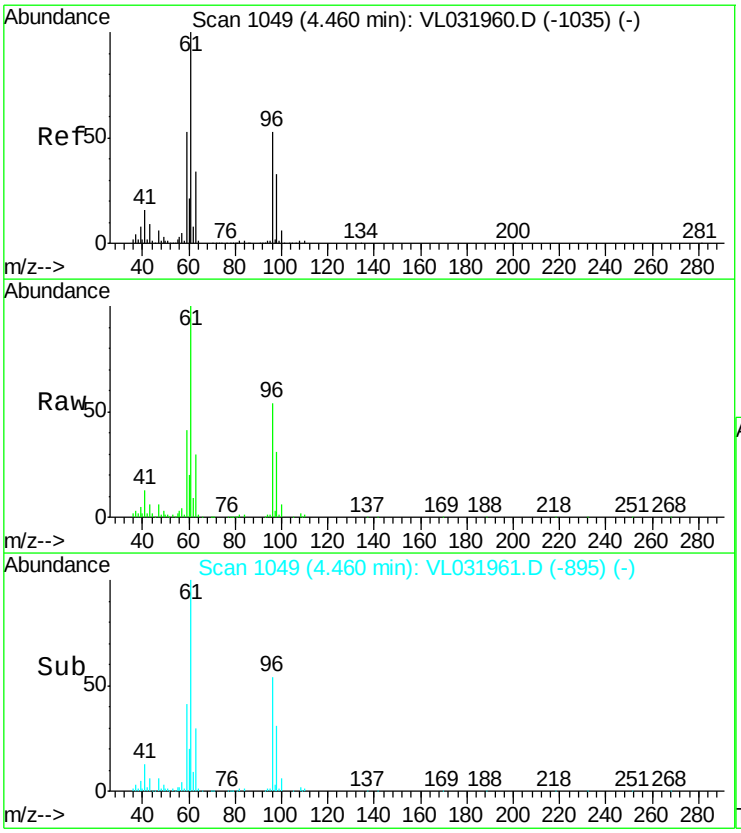
#17
tert-Butyl alcohol
Concen: 0.926 ppbv
RT: 4.46 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 75567

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

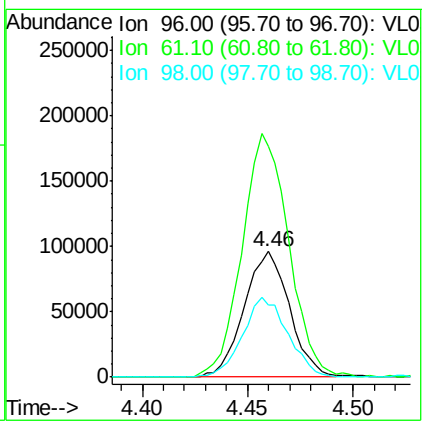


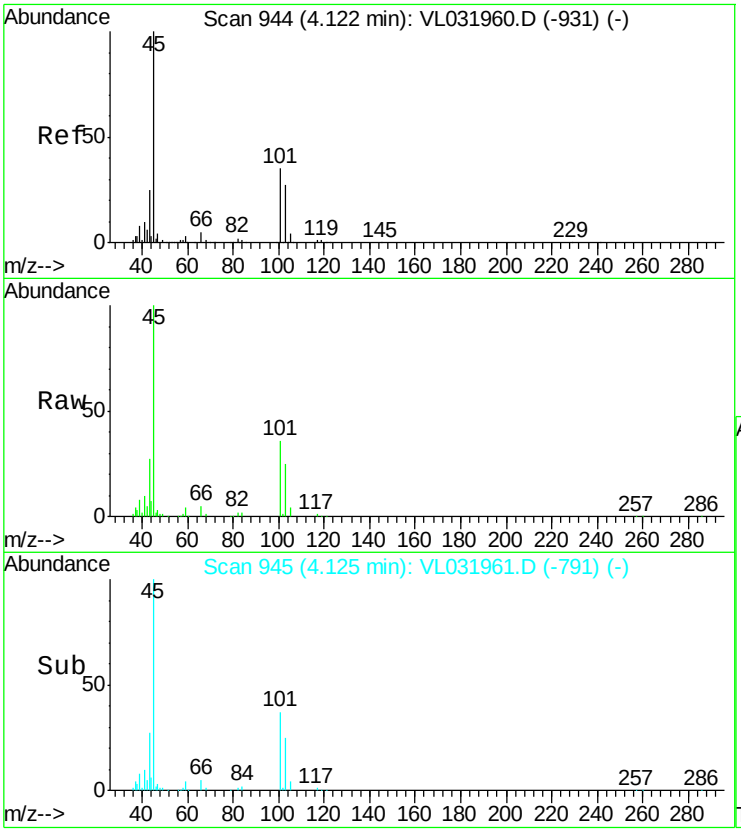


#18
1,1-Dichloroethene
Concen: 1.992 ppbv
RT: 4.46 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 96 Resp: 144289

Ion	Ratio	Lower	Upper
96	100		
61	183.9	161.0	241.6
98	57.5	52.7	79.1



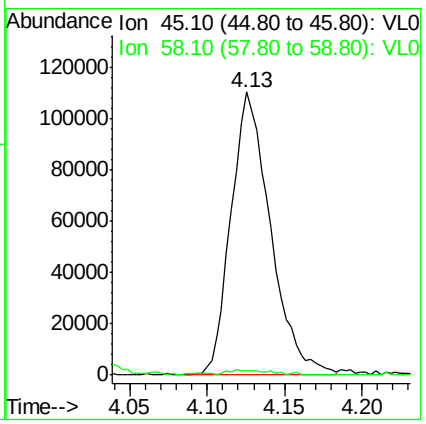


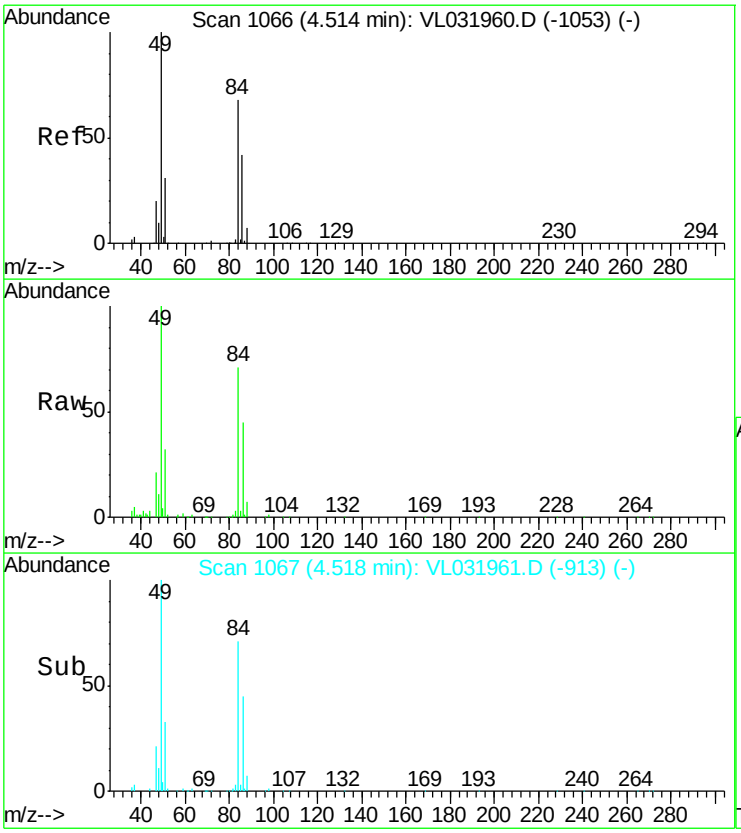
#19
Isopropyl Alcohol
Concen: 1.776 ppbv
RT: 4.13 min Scan# 945
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 195889

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.7	2.5

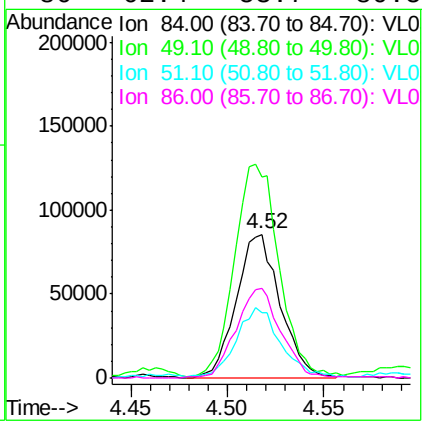


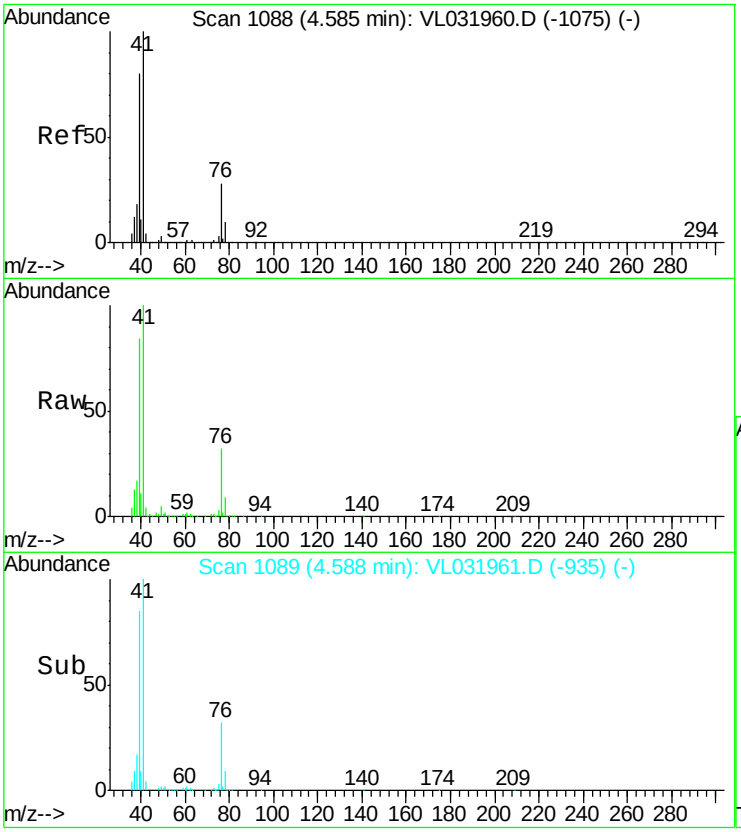


#20
Methylene Chloride
Concen: 1.862 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 84 Resp: 133928

Ion	Ratio	Lower	Upper
84	100		
49	139.2	125.6	188.4
51	44.6	36.4	54.6
86	62.4	53.7	80.5



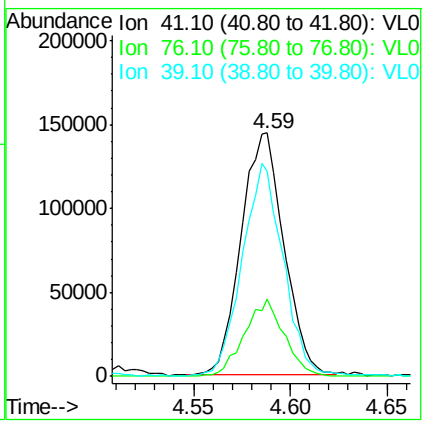


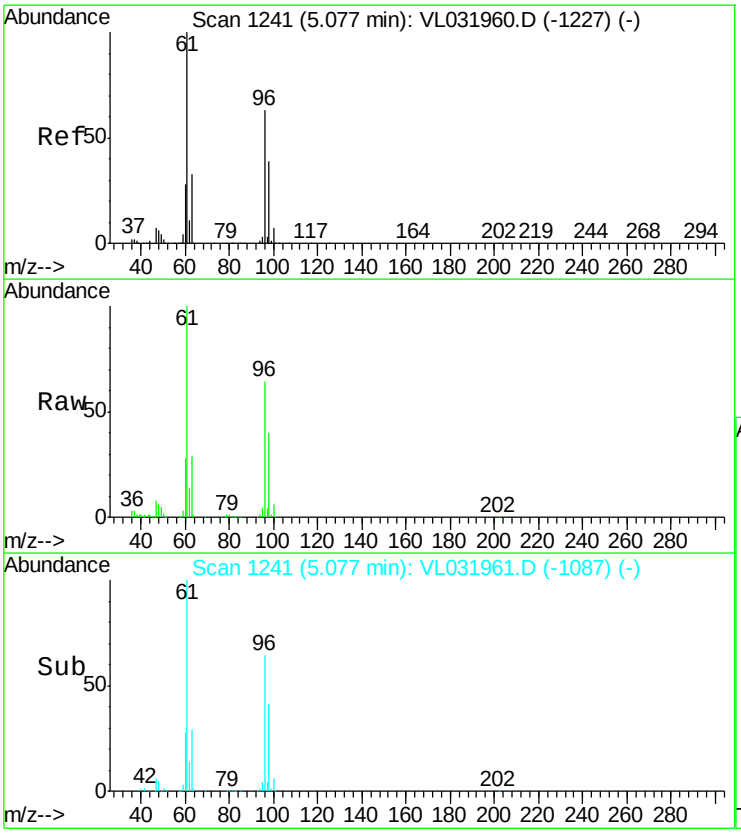
#21
Allvl Chloride
Concen: 1.976 ppbv
RT: 4.59 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 222971

Ion	Ratio	Lower	Upper
41	100		
76	29.4	23.4	35.2
39	84.9	67.6	101.4

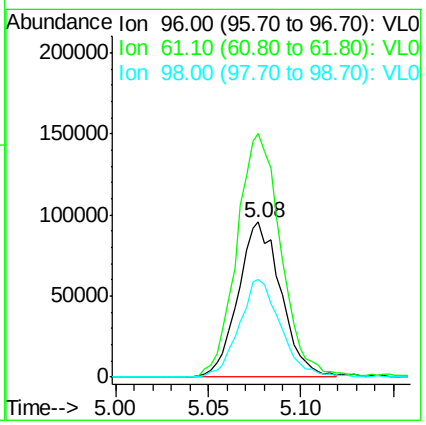


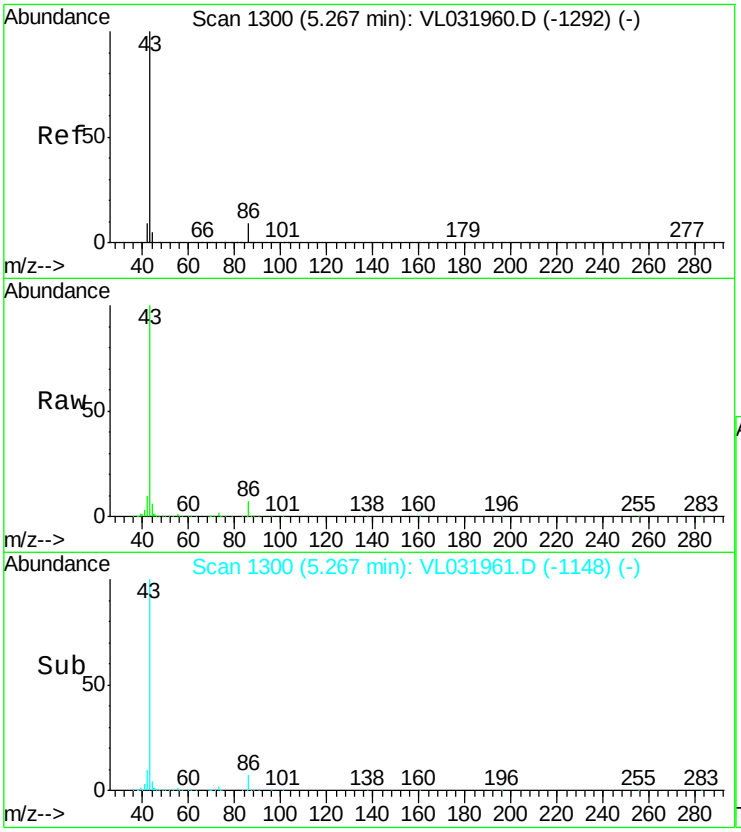


#22
trans-1,2-Dichloroethene
Concen: 2.047 ppbv
RT: 5.08 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 96 Resp: 153671

Ion	Ratio	Lower	Upper
96	100		
61	157.2	131.1	196.7
98	63.0	47.6	71.4



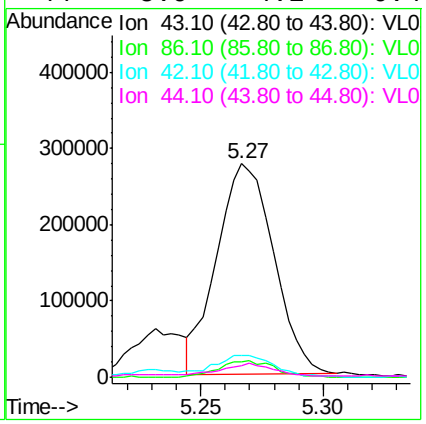


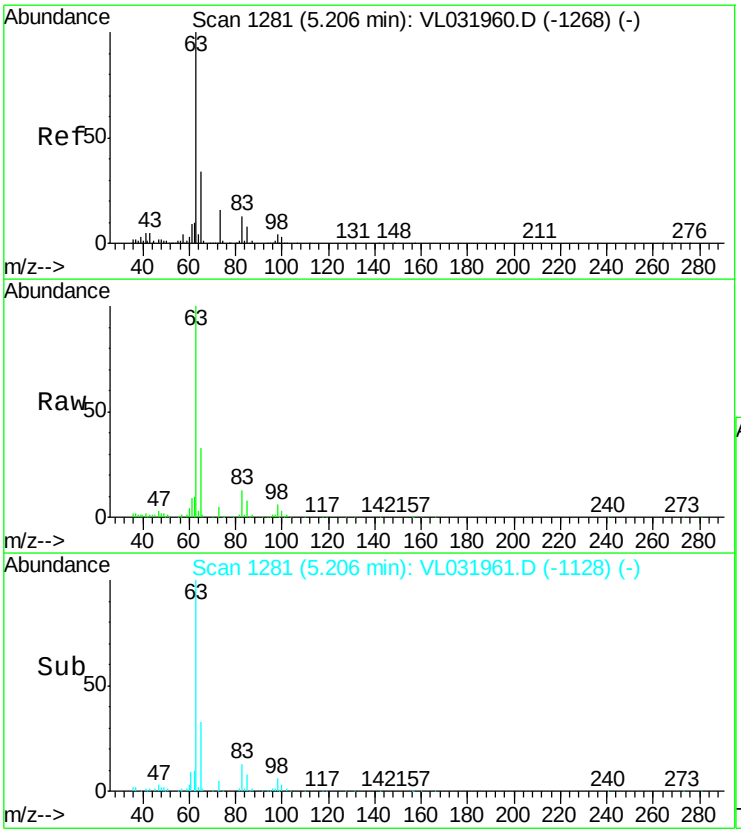
#23
Vinyl Acetate
Concen: 2.244 ppbv
RT: 5.27 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 449392

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	9.8	8.5	12.7
44	5.9	4.2	6.4

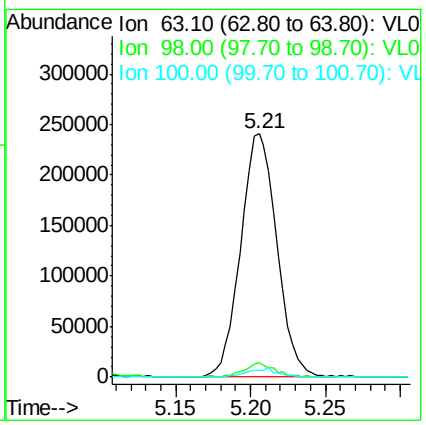


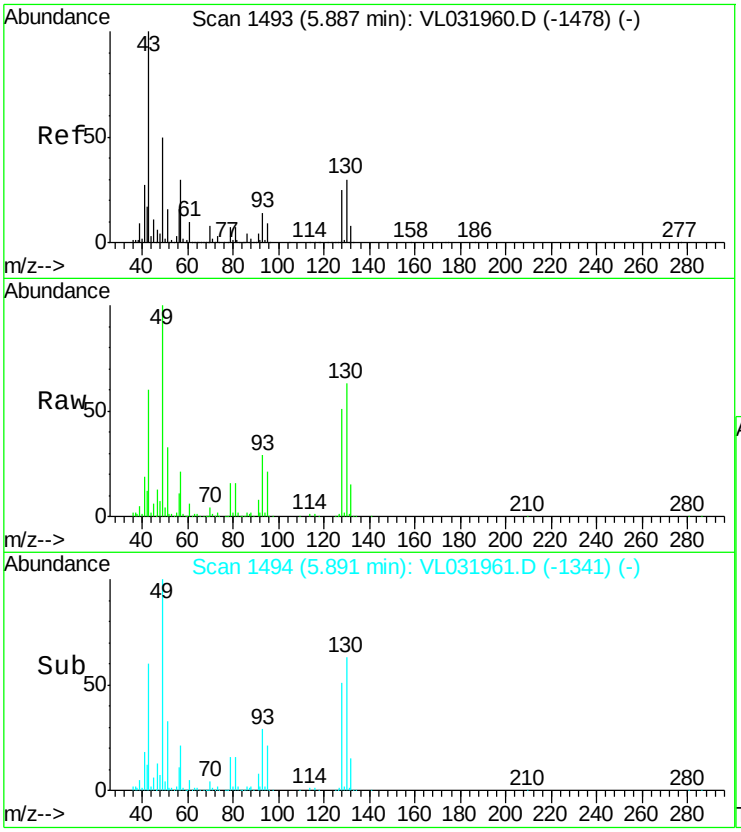


#24
1,1-Dichloroethane
Concen: 2.033 ppbv
RT: 5.21 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 63 Resp: 405675

Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.4	7.2
100	2.9	1.5	4.4



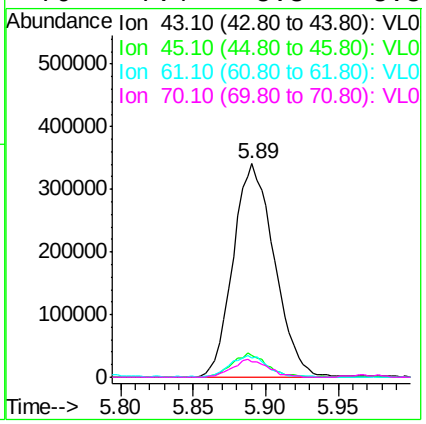


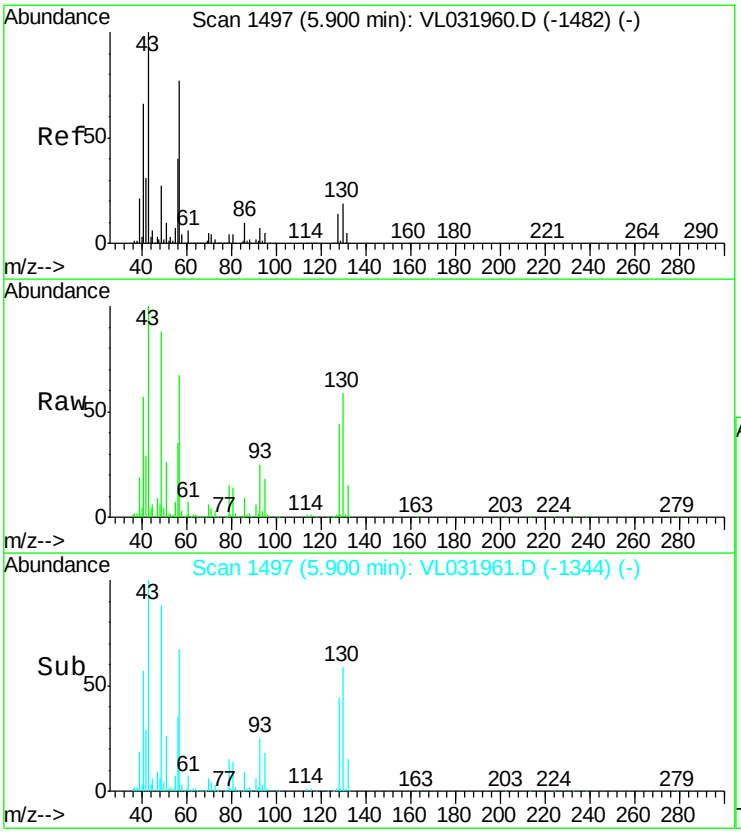
#25
Ethyl Acetate
Concen: 2.178 ppbv
RT: 5.89 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 670922

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.5	7.2	10.8
70	7.4	5.8	8.8

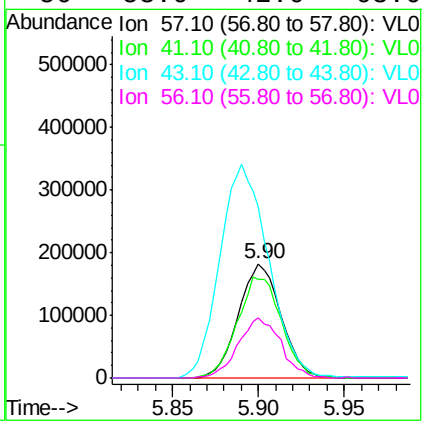


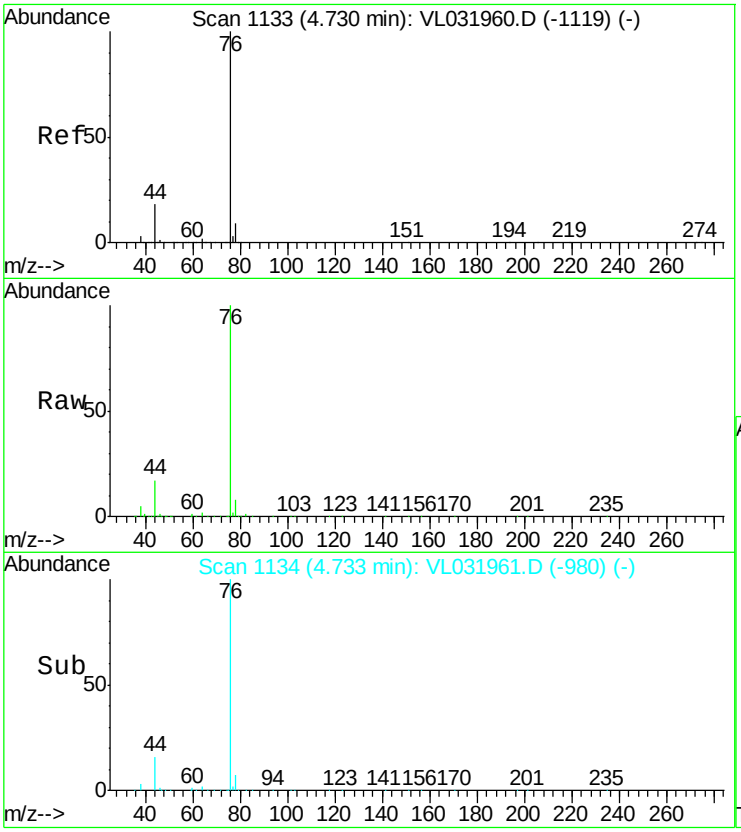


#26
Hexane
Concen: 2.180 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 57 Resp: 313089

Ion	Ratio	Lower	Upper
57	100		
41	93.0	72.0	108.0
43	216.9	169.8	254.8
56	53.0	42.0	63.0



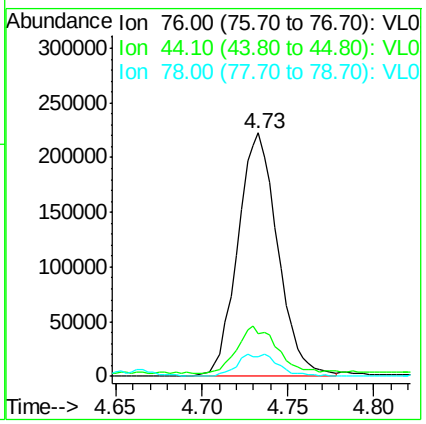


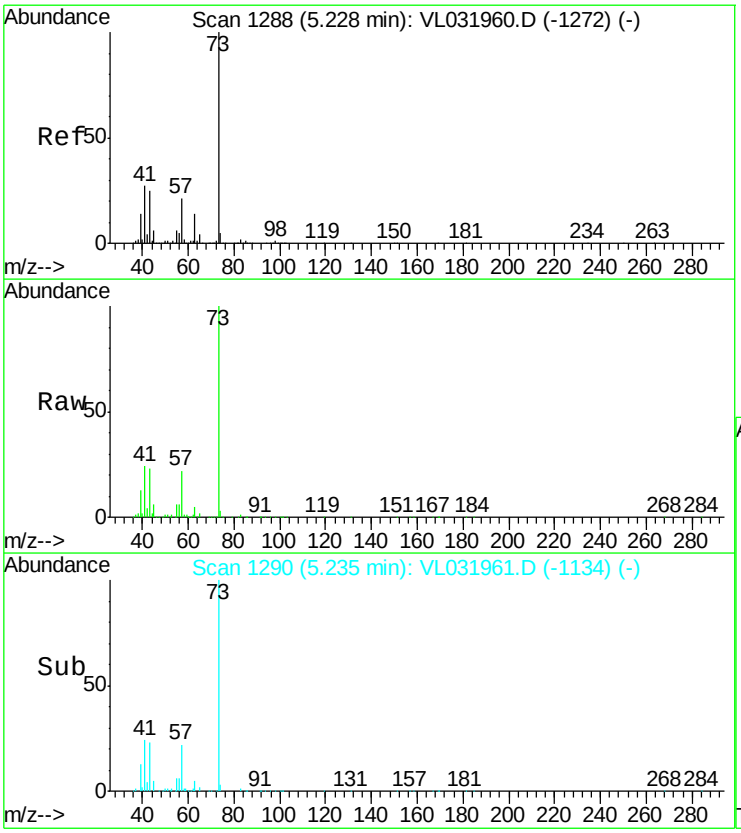
#27
Carbon Disulfide
Concen: 1.925 ppbv
RT: 4.73 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 358804

Ion	Ratio	Lower	Upper
76	100		
44	23.5	15.6	23.4#
78	9.6	7.6	11.4

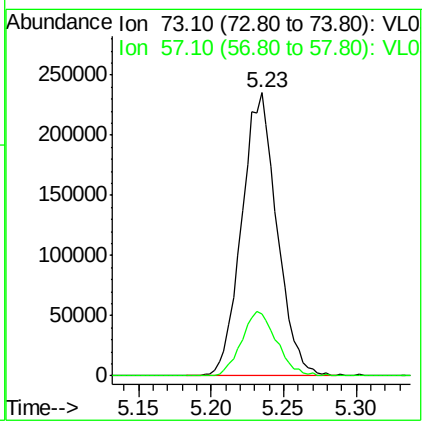


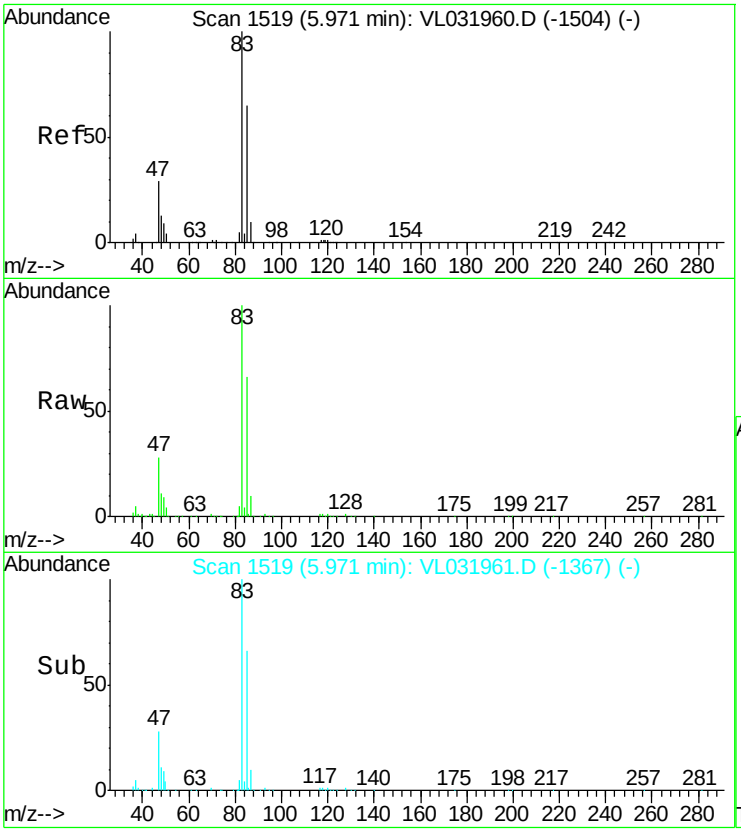


#28
Methyl tert-Butyl Ether
Concen: 2.252 ppbv
RT: 5.23 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 73 Resp: 397977

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.6	26.4



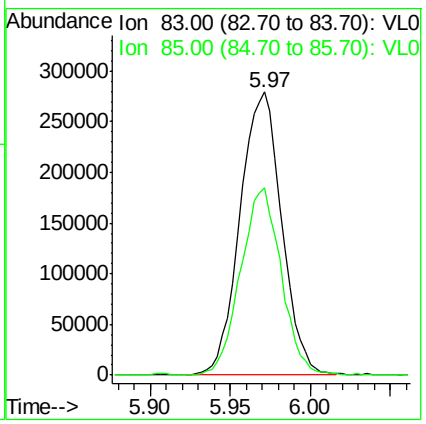


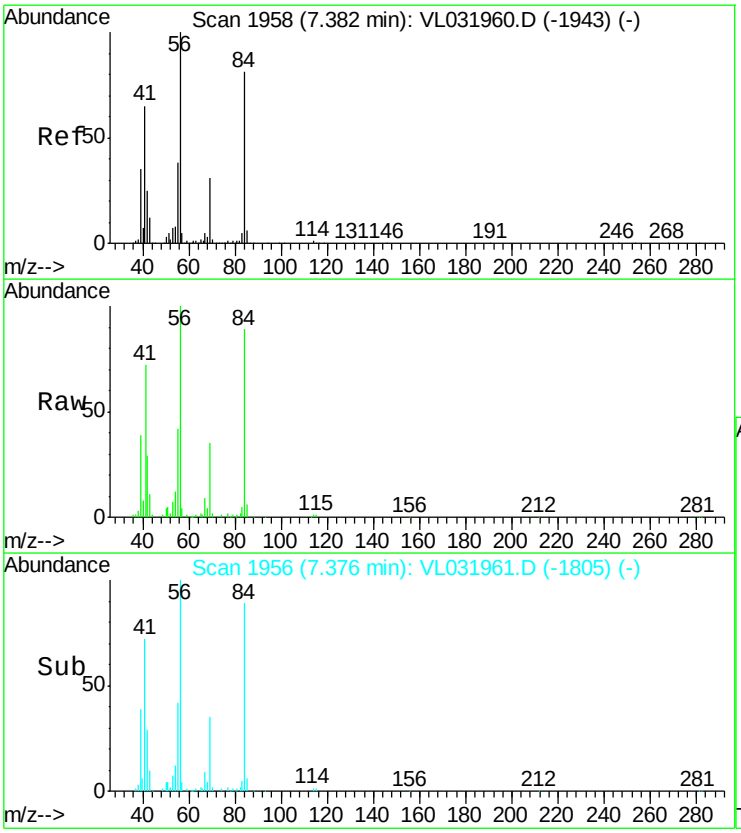
#29
Chloroform
Concen: 2.043 ppbv
RT: 5.97 min Scan# 1519
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 497350

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.0

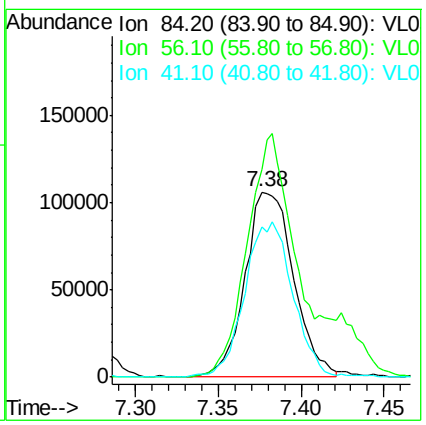


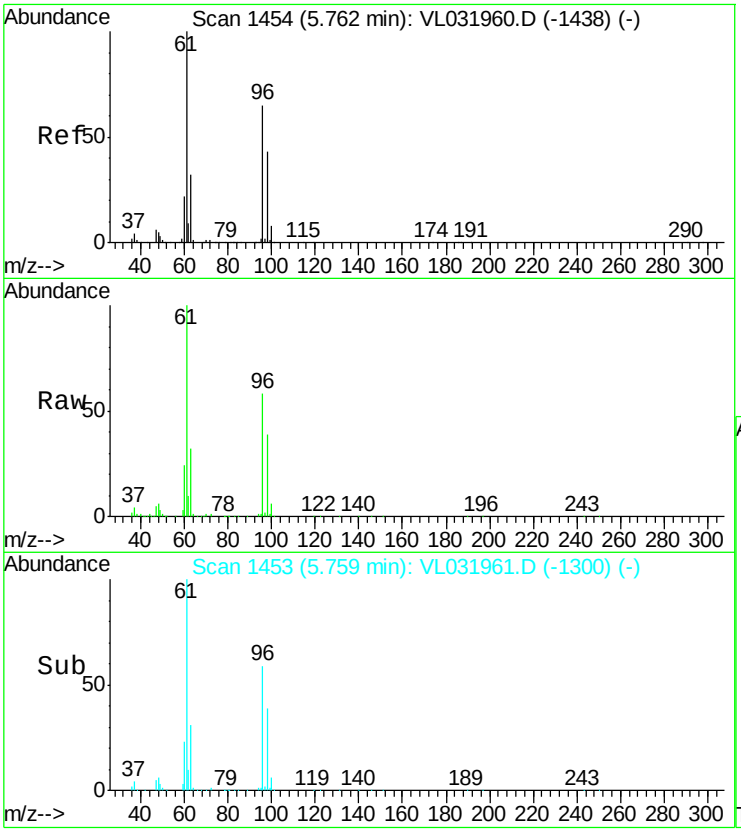


#30
Cyclohexane
Concen: 2.104 ppbv
RT: 7.38 min Scan# 1956
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 84 Resp: 215721

Ion	Ratio	Lower	Upper
84	100		
56	152.0	107.7	161.5
41	83.7	68.2	102.2



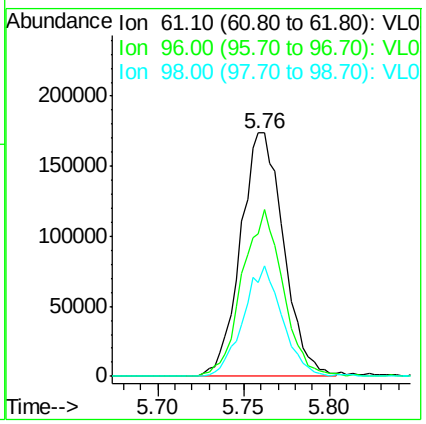


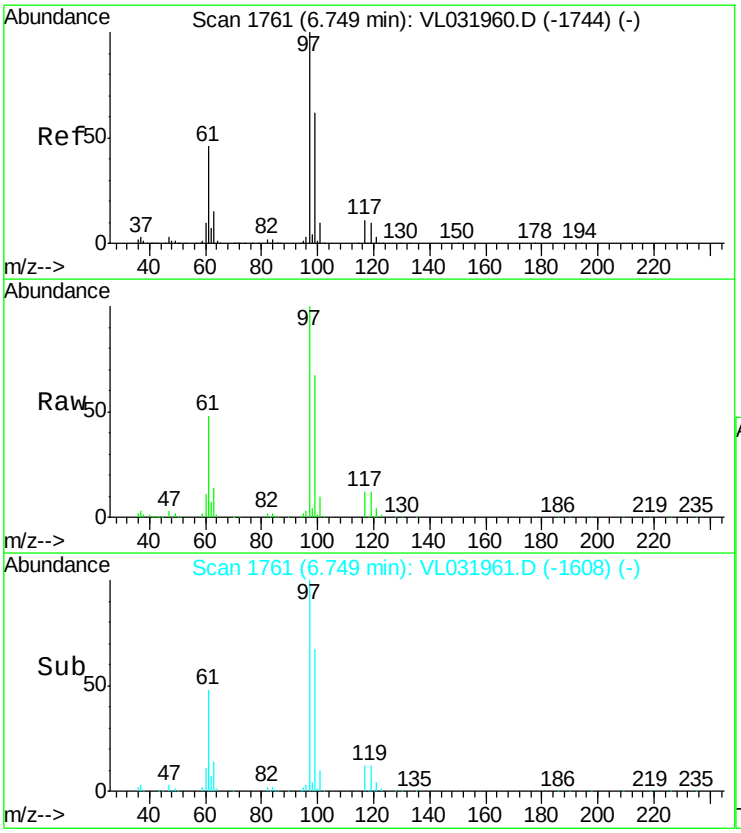
#31
cis-1,2-Dichloroethene
Concen: 2.316 ppbv
RT: 5.76 min Scan# 1453
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 301245

Ion	Ratio	Lower	Upper
61	100		
96	58.3	47.6	71.4
98	38.7	30.3	45.5

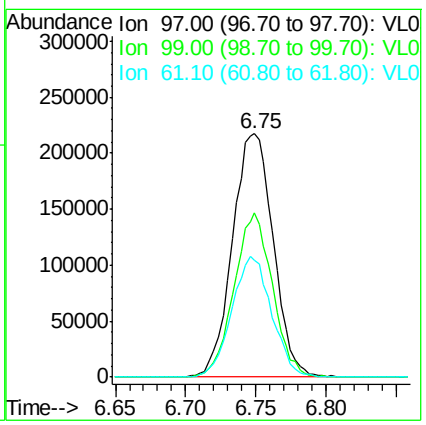


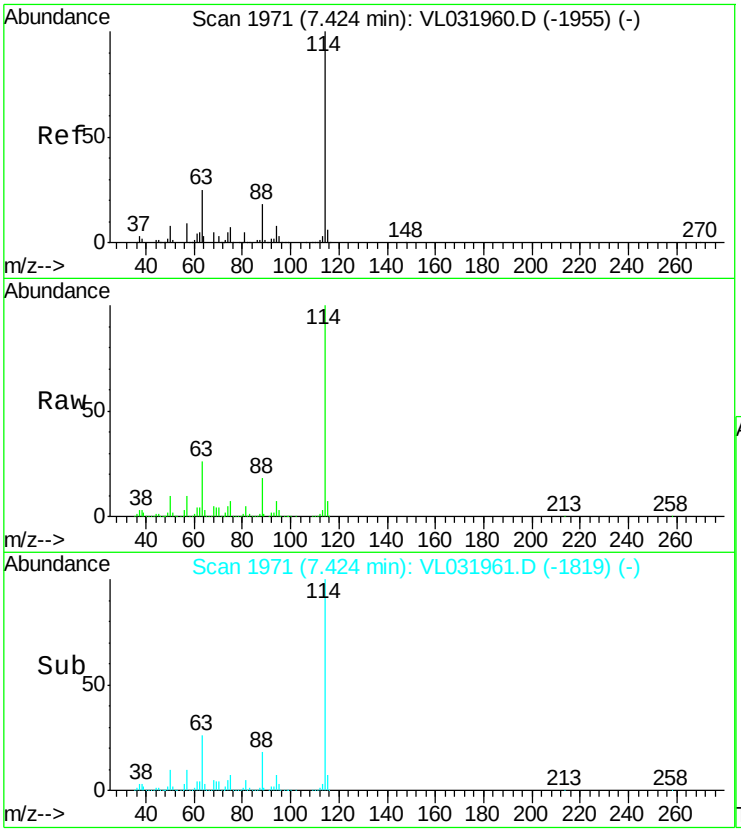


#32
1,1,1-Trichloroethane
Concen: 1.859 ppbv
RT: 6.75 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 97 Resp: 440651

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.5	77.3
61	48.5	40.0	60.0



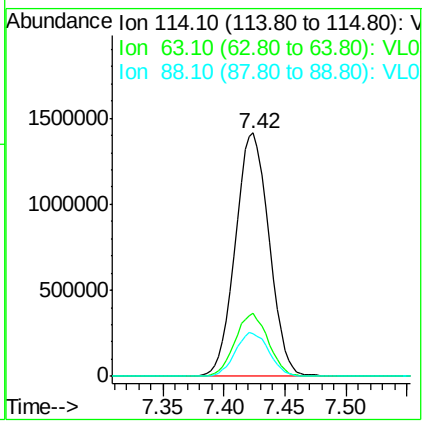


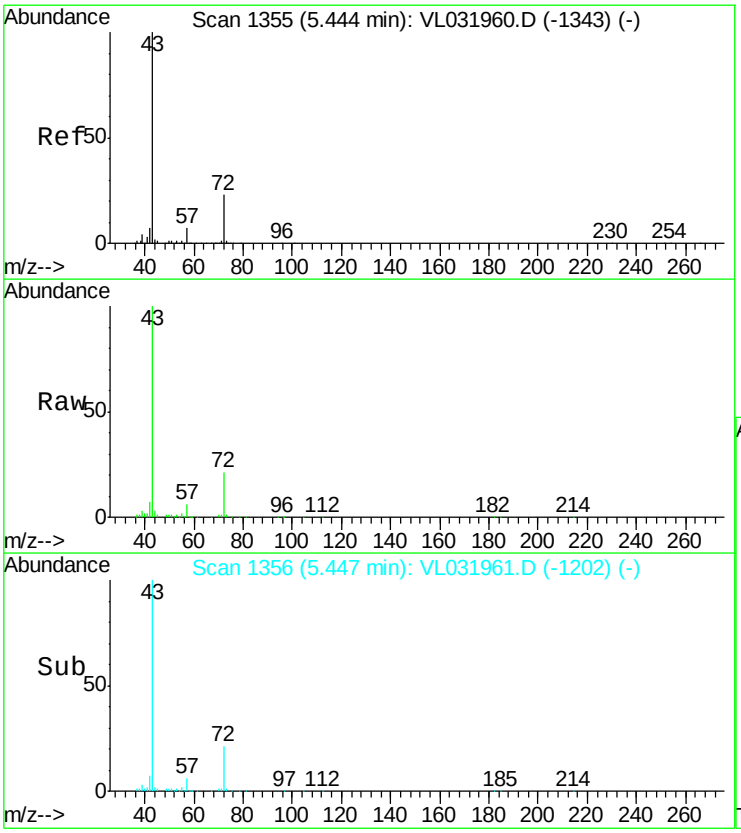
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2694093

Ion	Ratio	Lower	Upper
114	100		
63	25.8	21.8	32.6
88	18.1	14.6	22.0

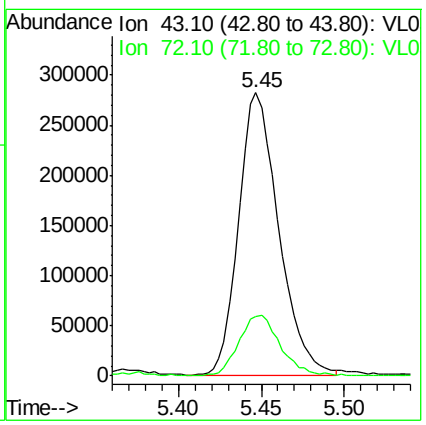


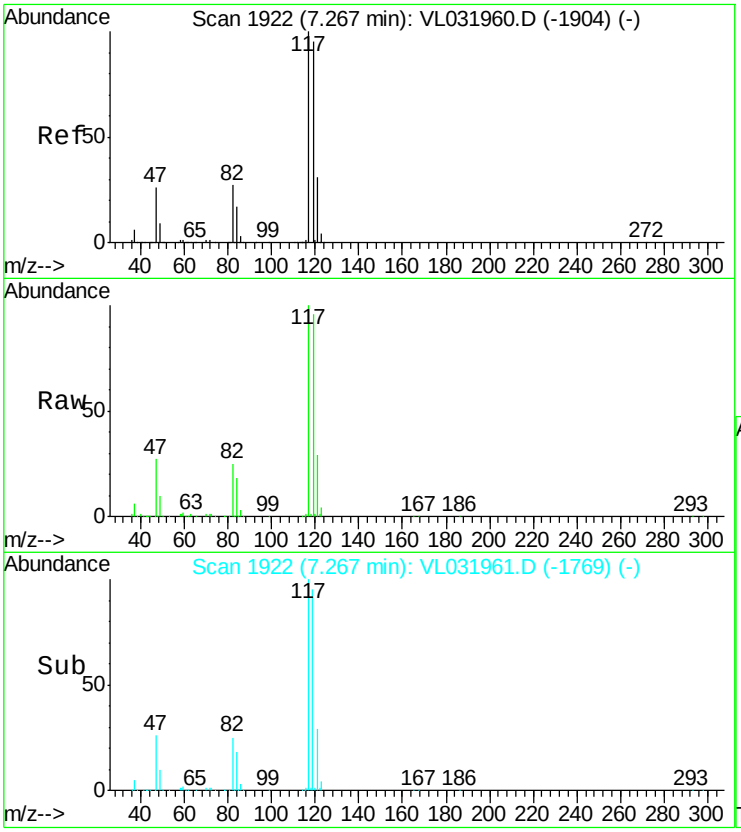


#34
2-Butanone
Concen: 2.533 ppbv
RT: 5.45 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 43 Resp: 473429

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.6	27.8



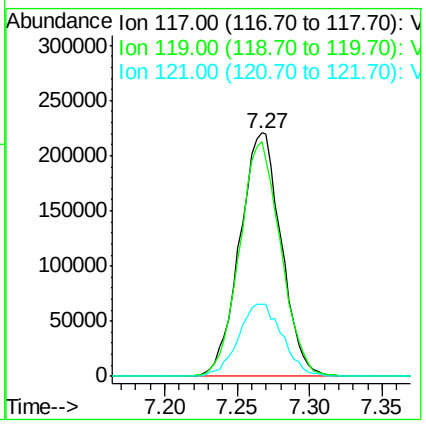


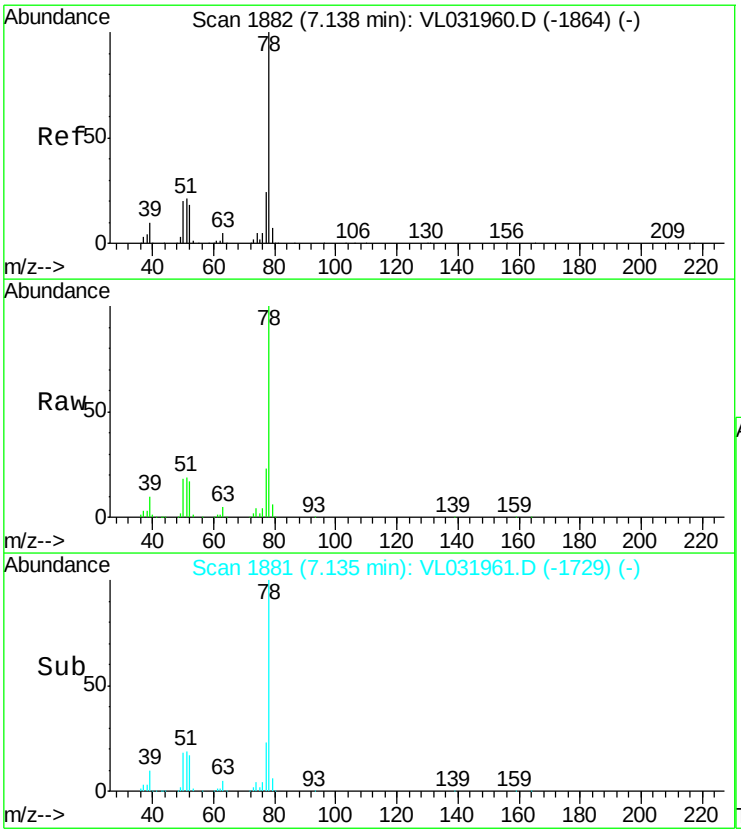
#35
Carbon Tetrachloride
Concen: 1.879 ppbv
RT: 7.27 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 439640

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	29.3	24.5	36.7

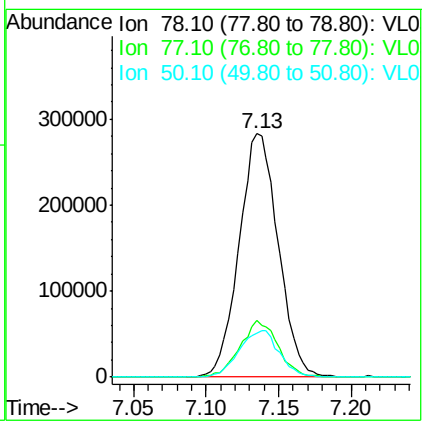


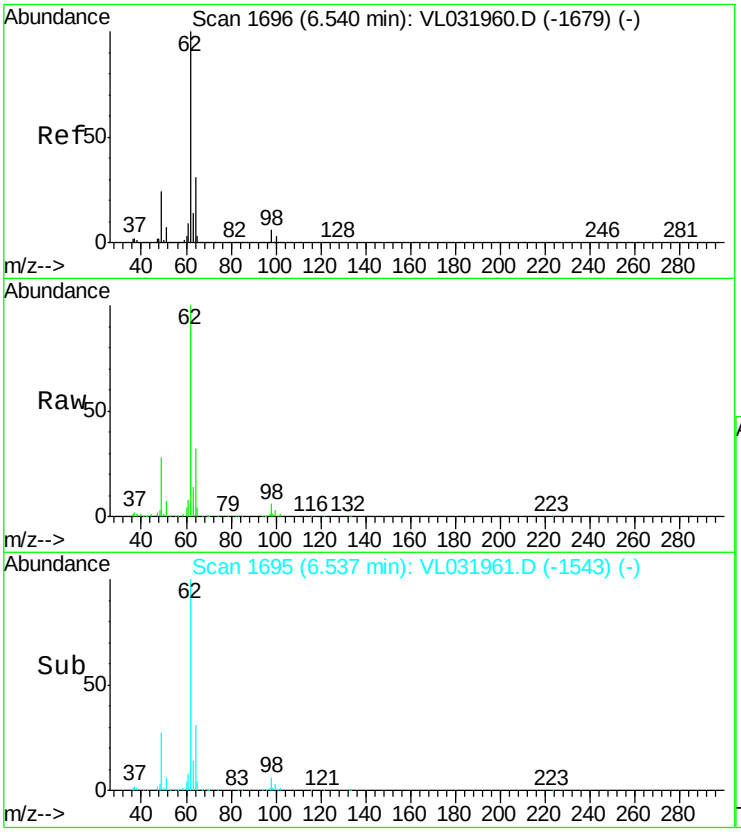


#36
Benzene
Concen: 2.193 ppbv
RT: 7.13 min Scan# 1881
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 78 Resp: 531413

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8
50	18.1	16.7	25.1

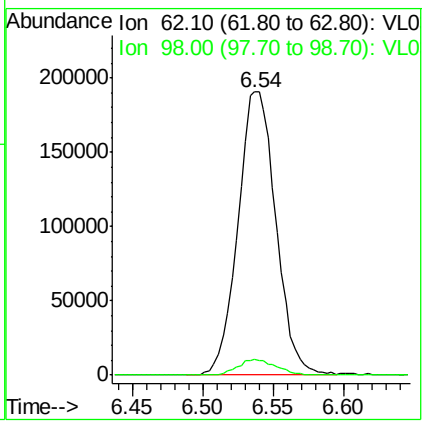




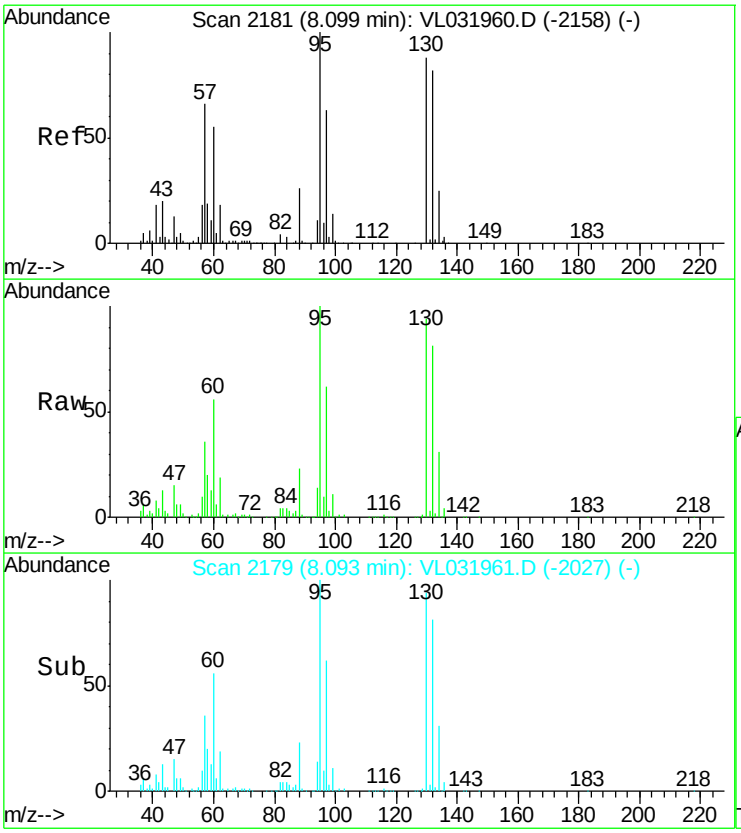
#37
1,2-Dichloroethane
Concen: 1.992 ppbv
RT: 6.54 min Scan# 1695
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 62 Resp: 359185

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.0	6.0



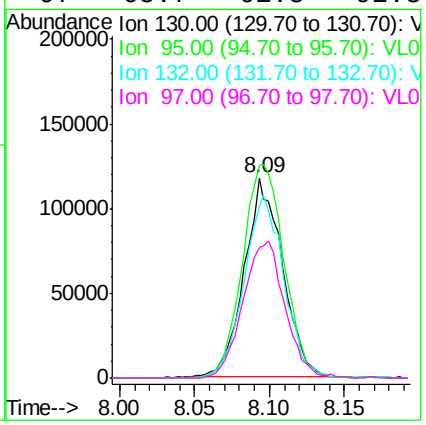
Instrument :
MSVOA_L
ClientSampleId :

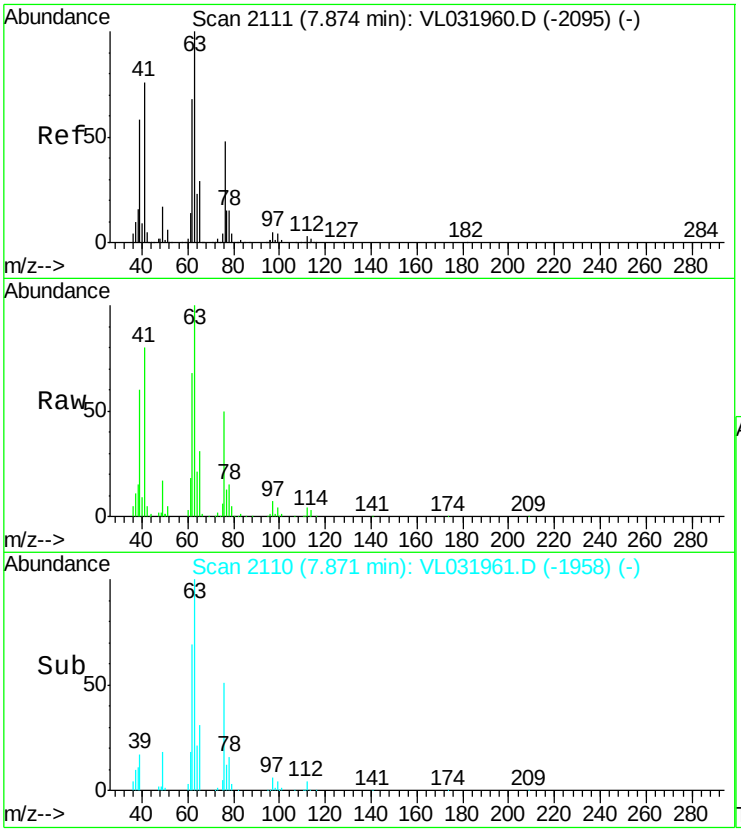


#38
Trichloroethene
Concen: 2.132 ppbv
RT: 8.09 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:130 Resp: 209689

Ion	Ratio	Lower	Upper
130	100		
95	106.3	96.6	144.8
132	85.7	79.1	118.7
97	65.7	61.5	92.3



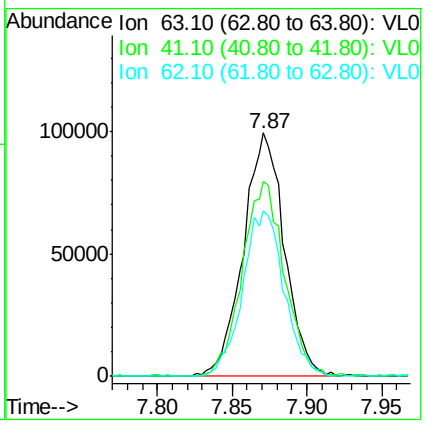


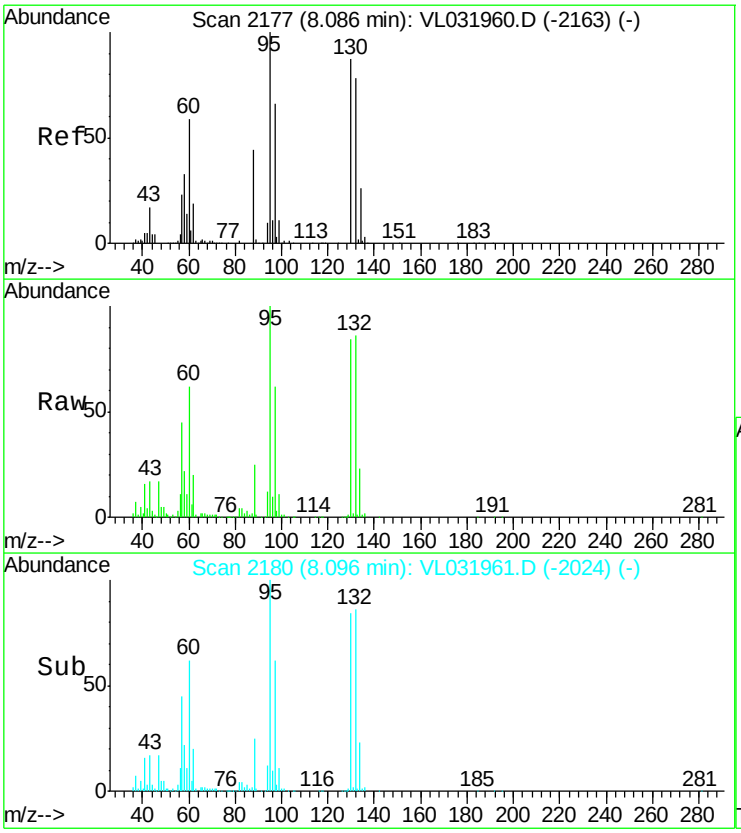
#39
1,2-Dichloropropane
Concen: 2.094 ppbv
RT: 7.87 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 188639

Ion	Ratio	Lower	Upper
63	100		
41	80.1	65.8	98.6
62	67.9	55.0	82.6

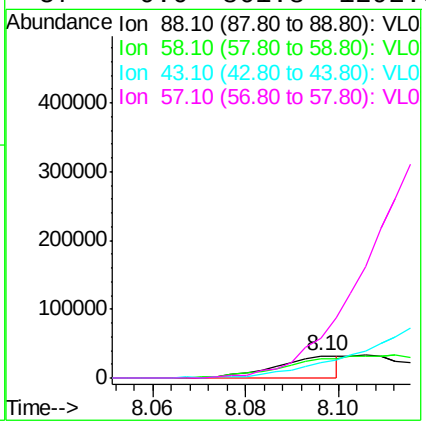


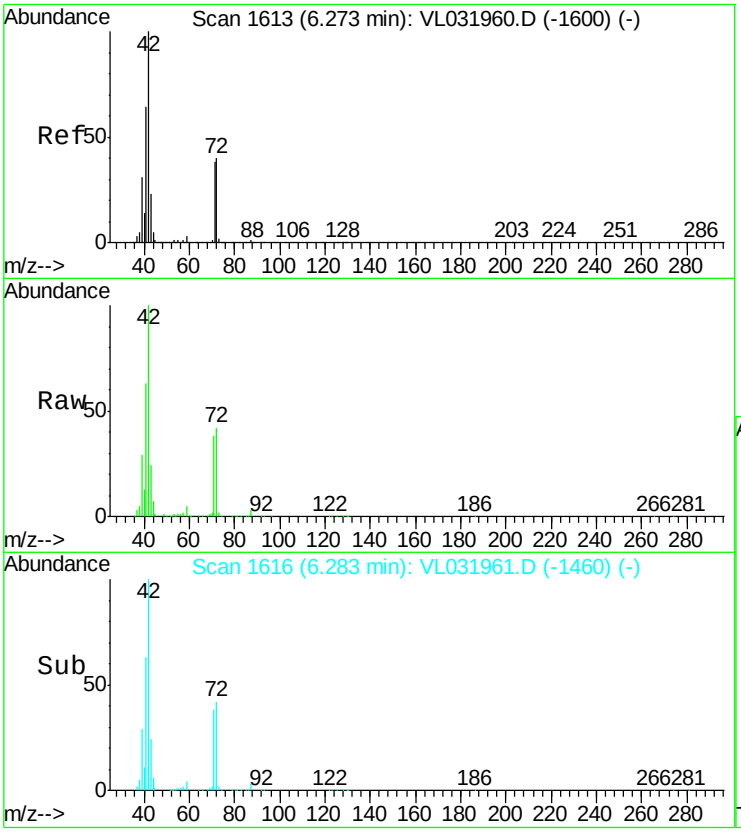


#40
1,4-Dioxane
Concen: 0.826 ppbv
RT: 8.10 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 88 Resp: 30206

Ion	Ratio	Lower	Upper
88	100		
58	0.0	98.5	147.7#
43	0.0	194.3	291.5#
57	0.0	861.8	1292.6#



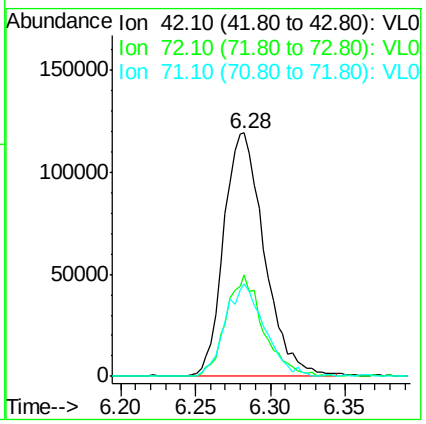


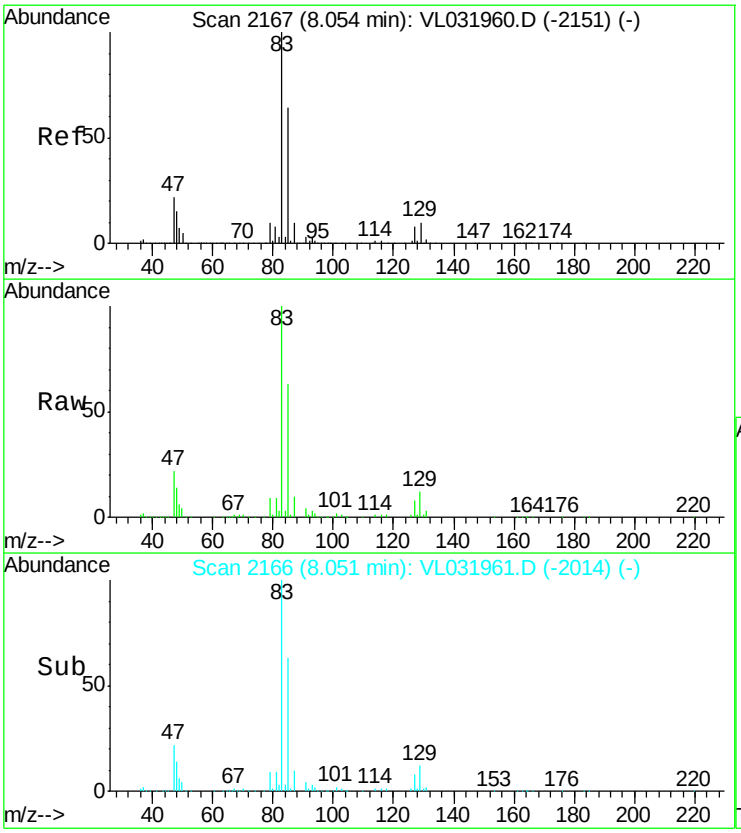
#41
Tetrahydrofuran
Concen: 2.601 ppbv
RT: 6.28 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 224984

Ion	Ratio	Lower	Upper
42	100		
72	38.4	33.2	49.8
71	37.2	31.5	47.3

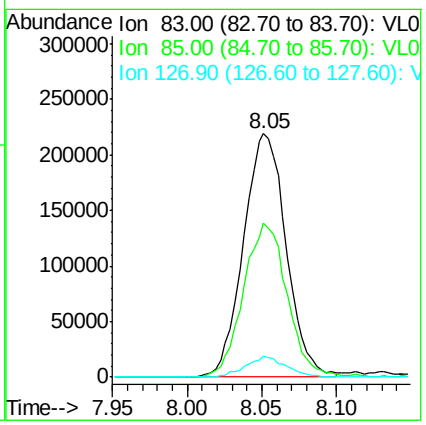


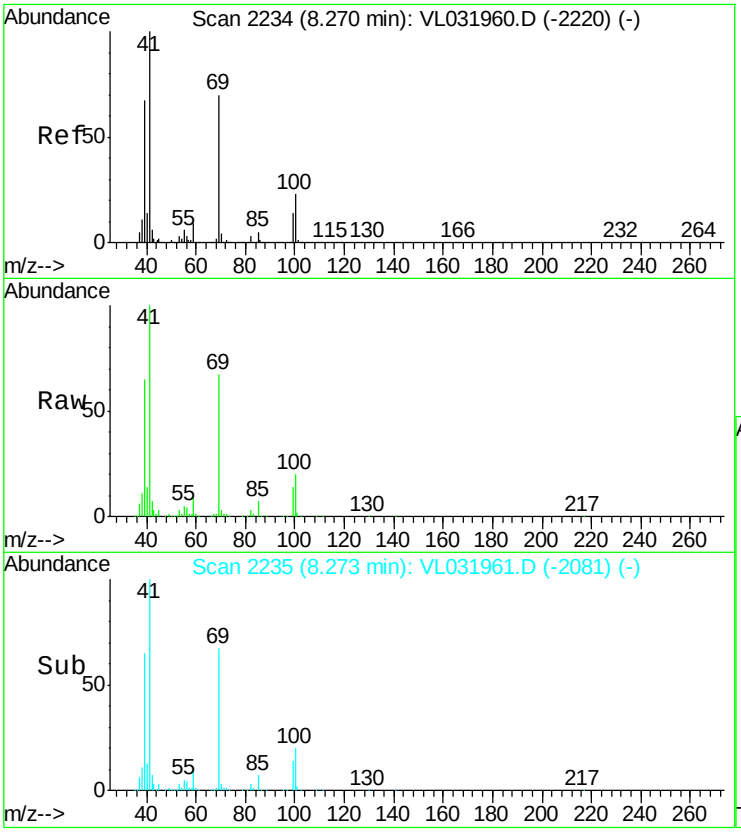


#42
Bromodichloromethane
Concen: 2.015 ppbv
RT: 8.05 min Scan# 2166
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 83 Resp: 434751

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7
127	8.5	6.0	9.0



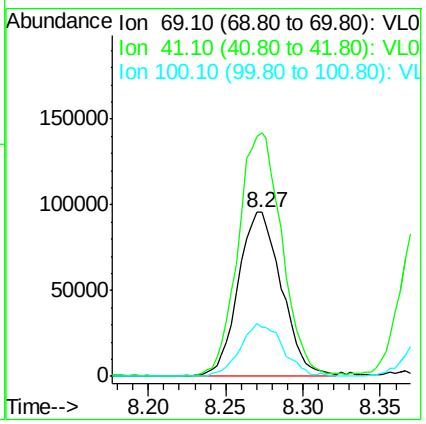


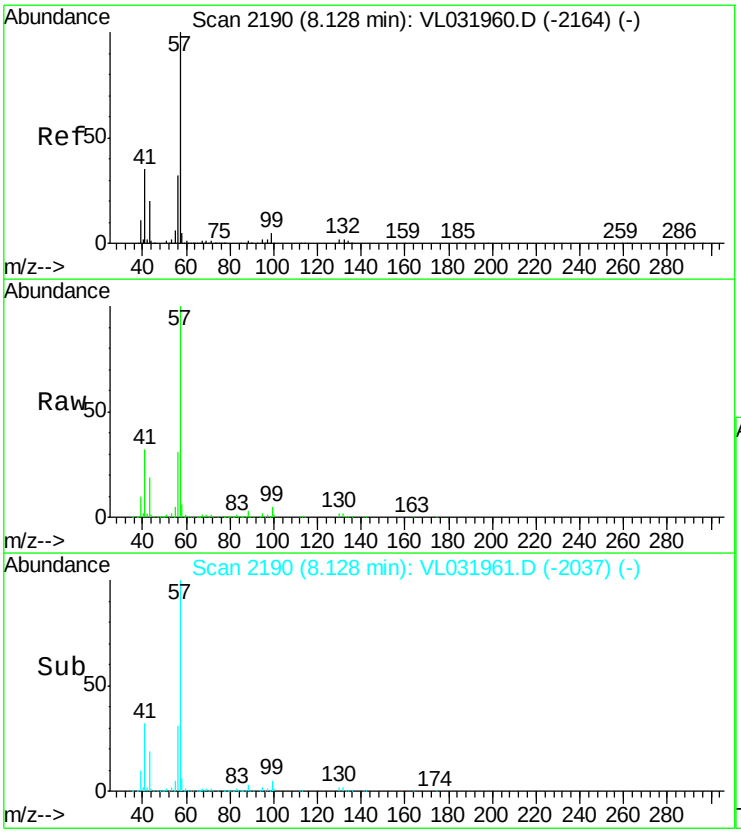
#43
Methyl Methacrylate
Concen: 2.190 ppbv
RT: 8.27 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 186772

Ion	Ratio	Lower	Upper
69	100		
41	149.5	117.8	176.8
100	31.7	24.6	37.0

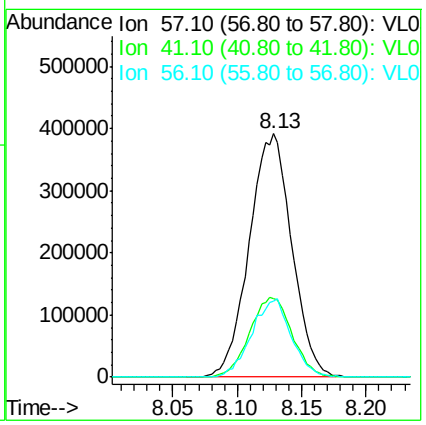


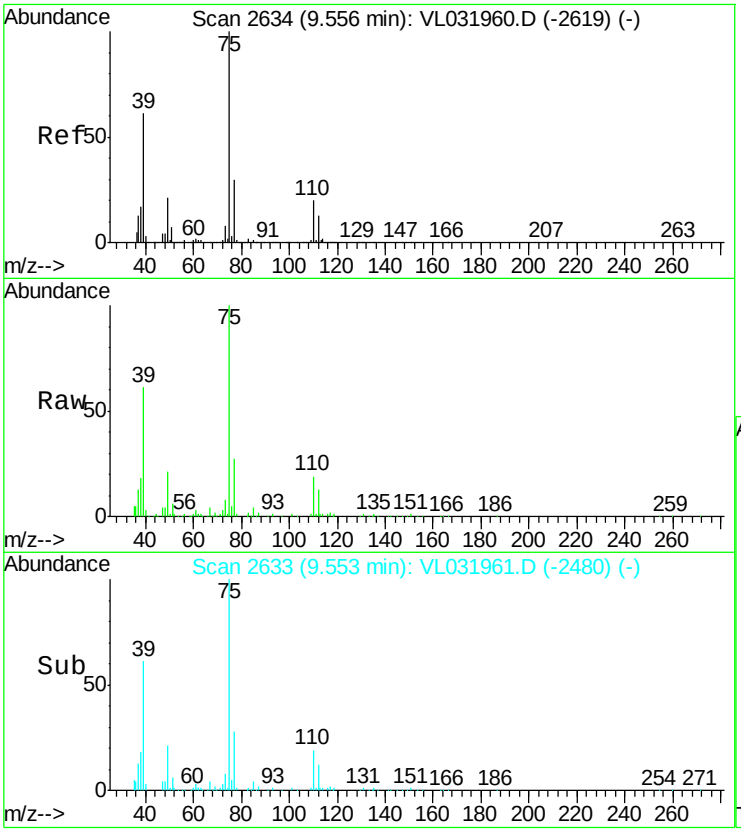


#44
2,2,4-Trimethylpentane
Concen: 2.153 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 57 Resp: 898528

Ion	Ratio	Lower	Upper
57	100		
41	32.8	27.0	40.6
56	30.1	24.1	36.1



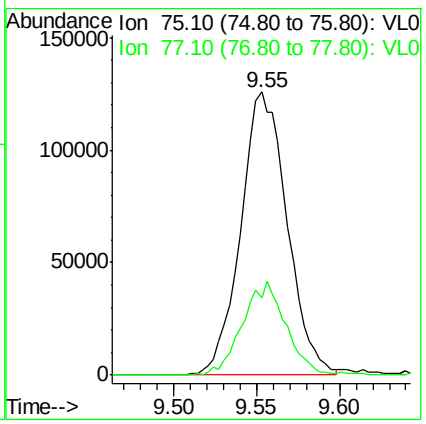


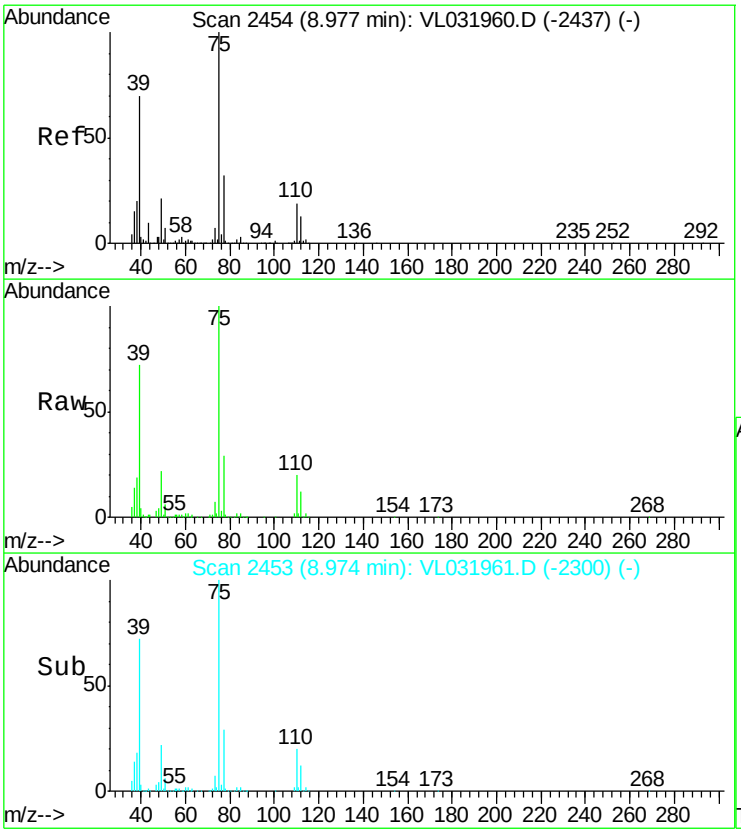
#45
t-1,3-Dichloropropene
Concen: 2.194 ppbv
RT: 9.55 min Scan# 2633
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 242674

Ion	Ratio	Lower	Upper
75	100		
77	27.5	25.1	37.7

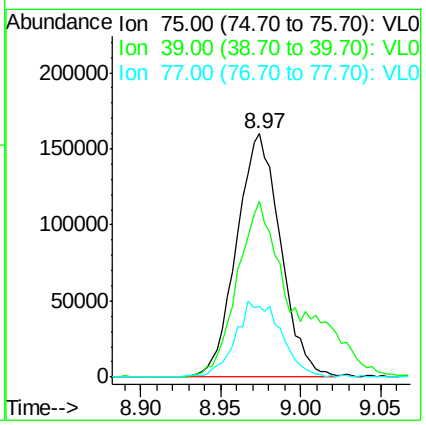


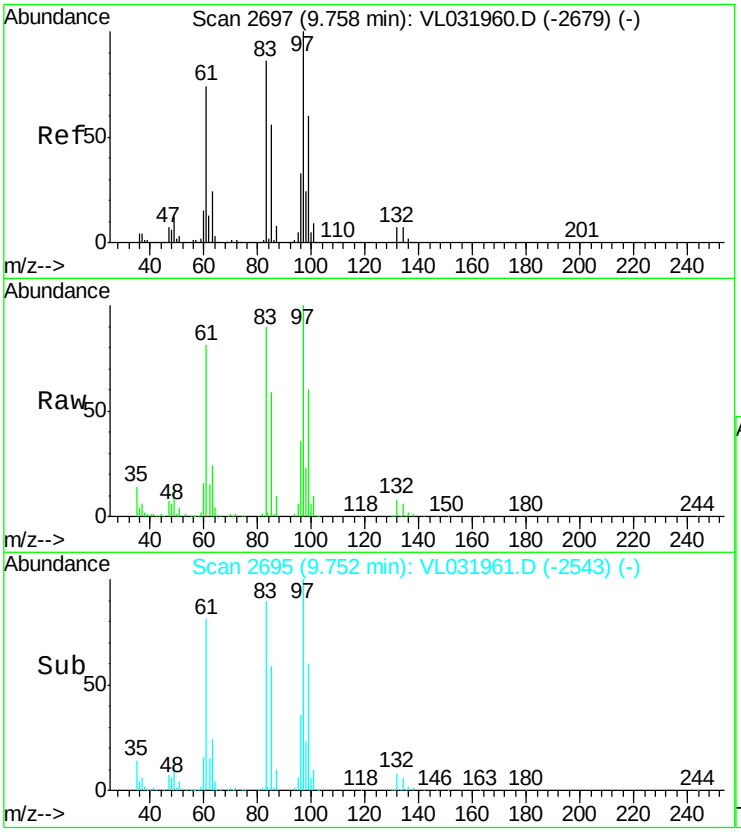


#46
cis-1,3-Dichloropropene
Concen: 2.124 ppbv
RT: 8.97 min Scan# 2453
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 75 Resp: 300290

Ion	Ratio	Lower	Upper
75	100		
39	71.7	58.6	87.8
77	28.7	26.8	40.2

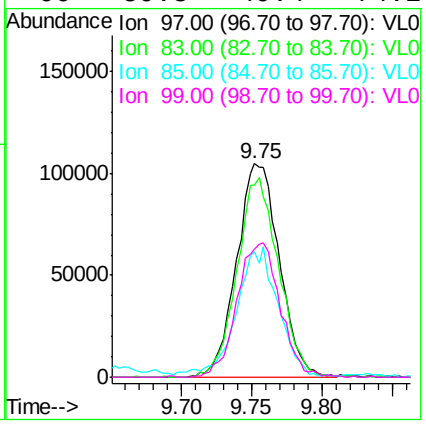




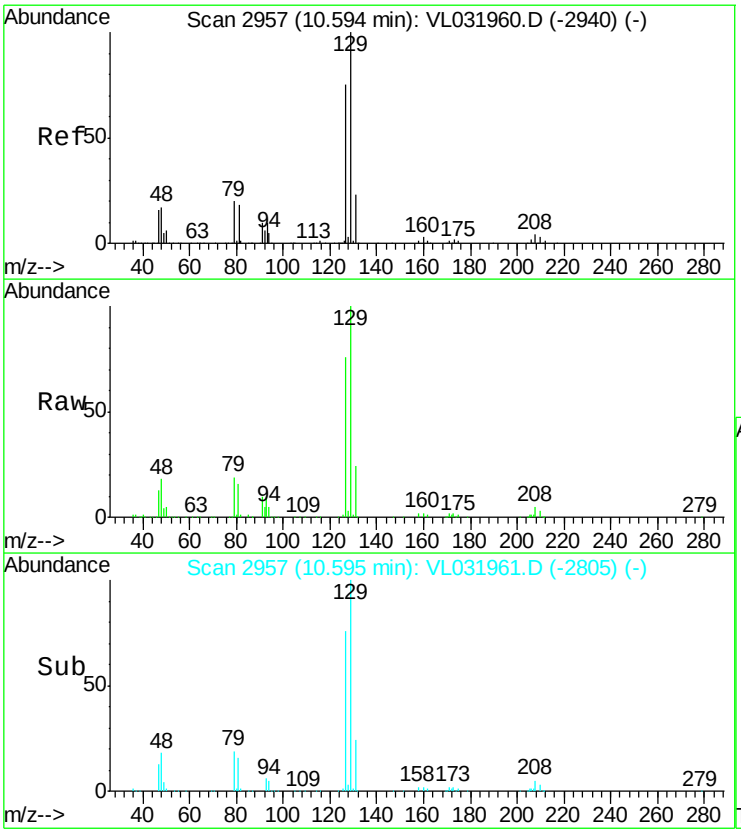
#47
1,1,2-Trichloroethane
Concen: 2.071 ppbv
RT: 9.75 min Scan# 2695
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 97 Resp: 221723

Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.1	103.7
85	58.3	43.7	65.5
99	59.8	49.4	74.2



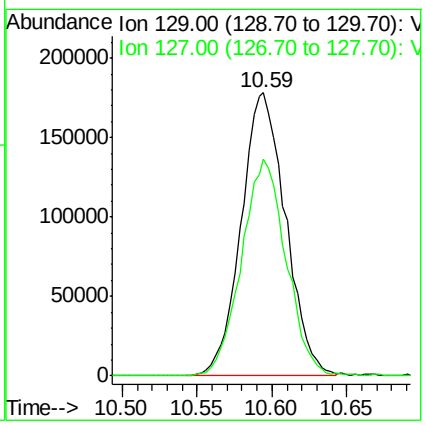
Instrument :
MSVOA_L
ClientSampleId :

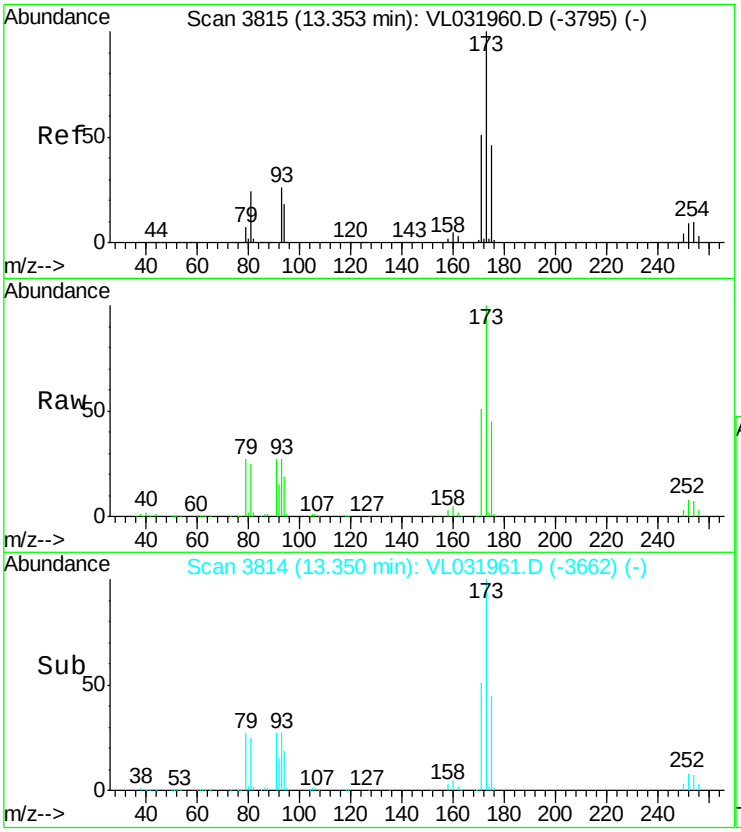


#48
Dibromochloromethane
Concen: 2.129 ppbv
RT: 10.59 min Scan# 2957
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:129 Resp: 368308

Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.1	117.5



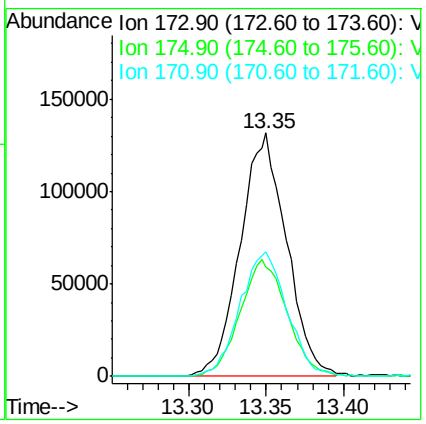


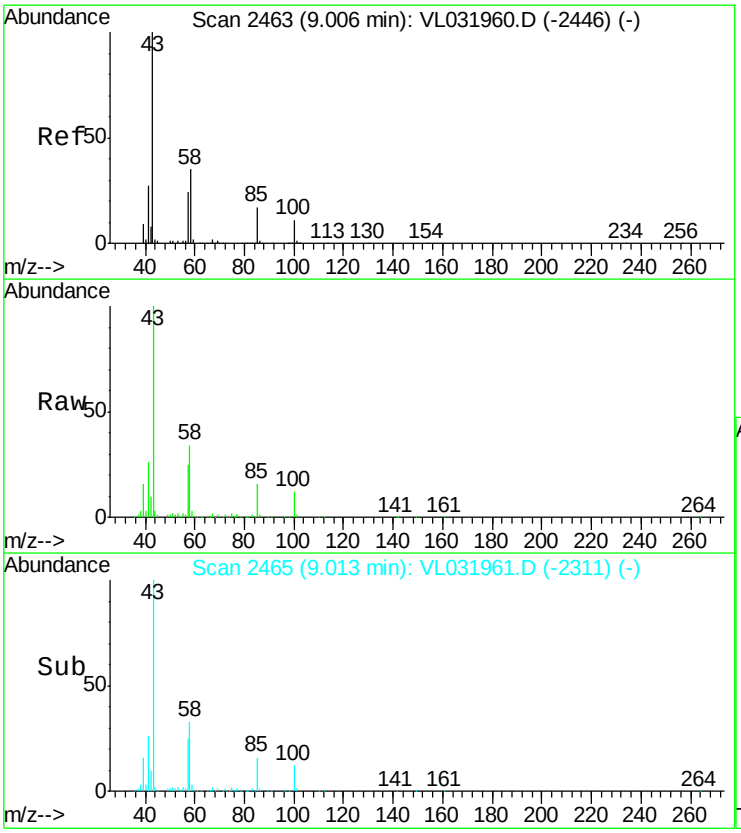
#49
Bromoform
Concen: 2.045 ppbv
RT: 13.35 min Scan# 3814
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 272454

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.0	58.6
171	52.8	41.4	62.0

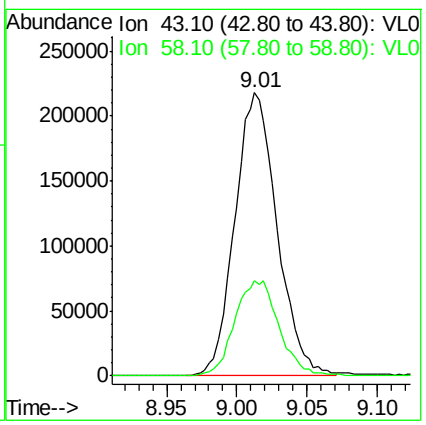


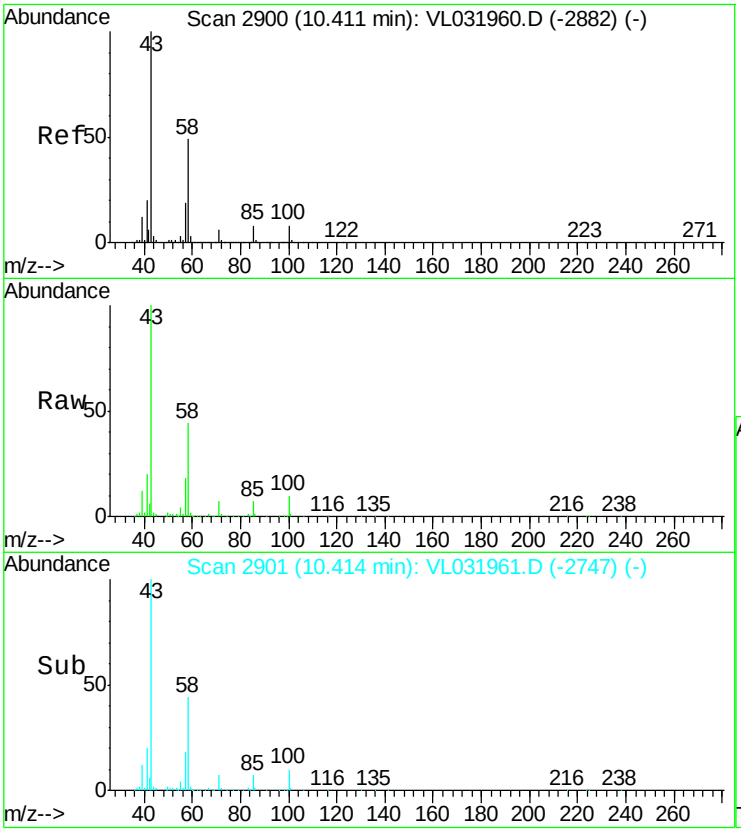


#50
4-Methyl-2-Pentanone
Concen: 2.130 ppbv
RT: 9.01 min Scan# 2465
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 43 Resp: 455665

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.6	43.0



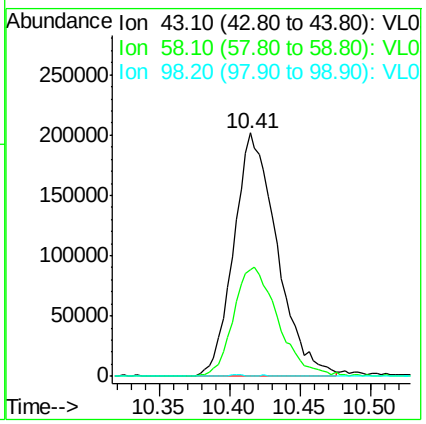


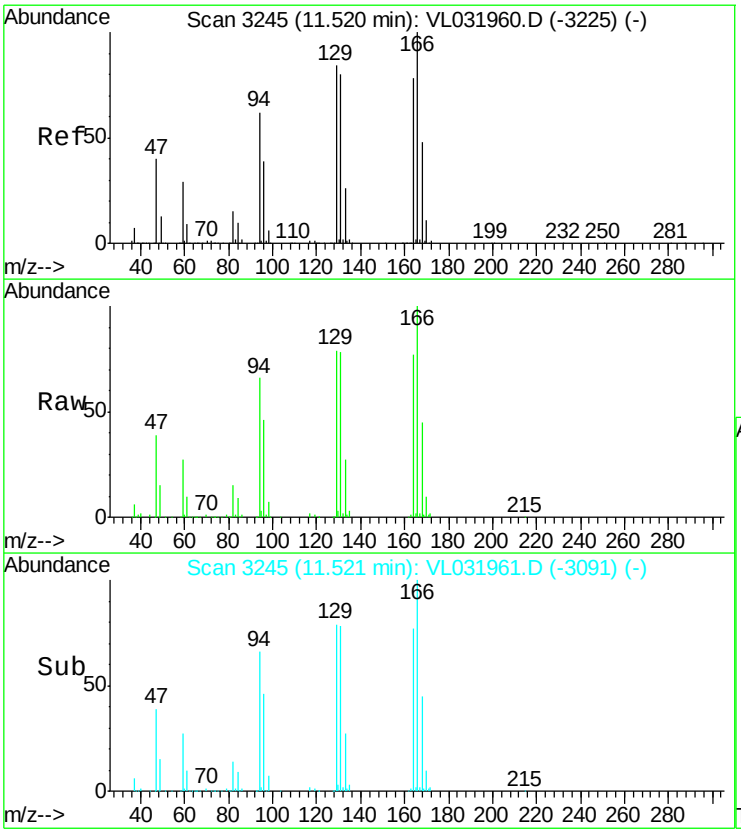
#51
2-Hexanone
Concen: 2.306 ppbv
RT: 10.41 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 431136

Ion	Ratio	Lower	Upper
43	100		
58	46.5	38.5	57.7
98	0.6	0.2	0.4#

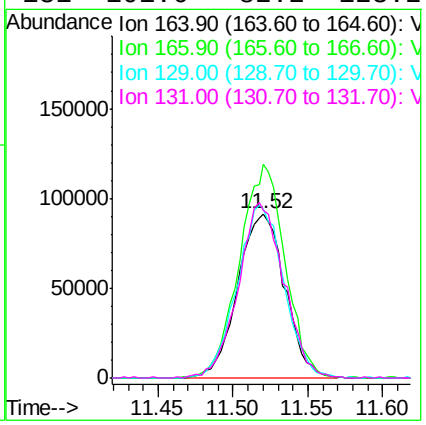


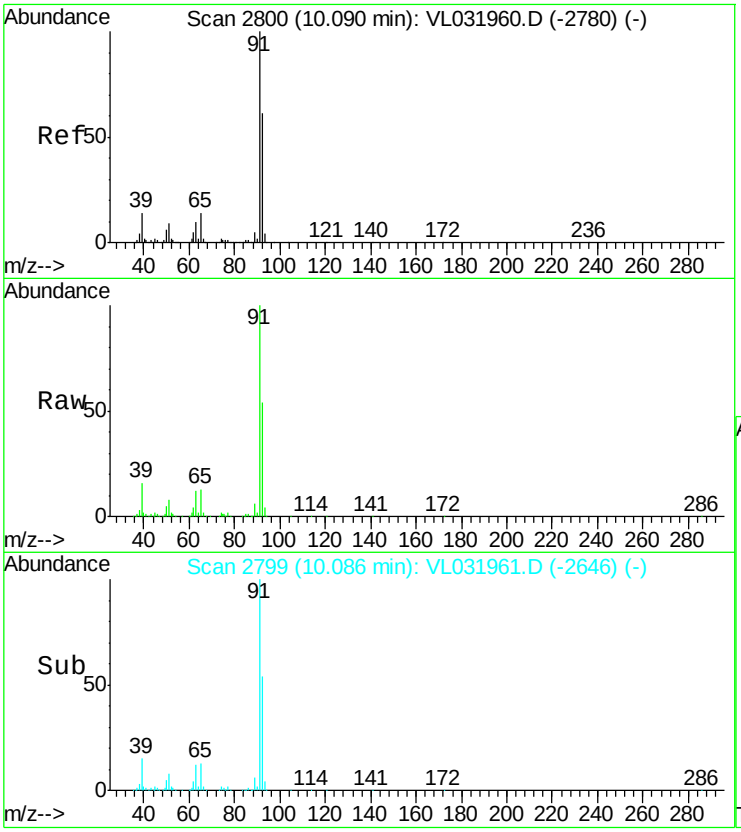


#52
Tetrachloroethene
Concen: 2.120 ppbv
RT: 11.52 min Scan# 3245
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:164 Resp: 200170

Ion	Ratio	Lower	Upper
164	100		
166	129.6	98.2	147.4
129	102.4	86.5	129.7
131	101.6	82.2	123.2



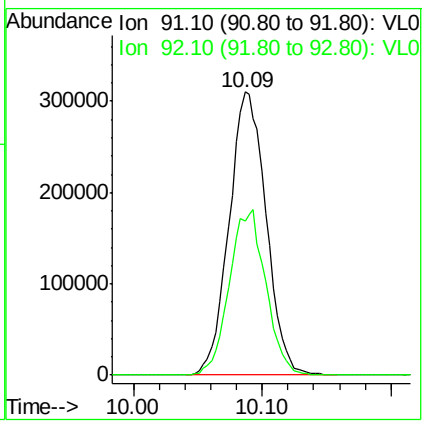


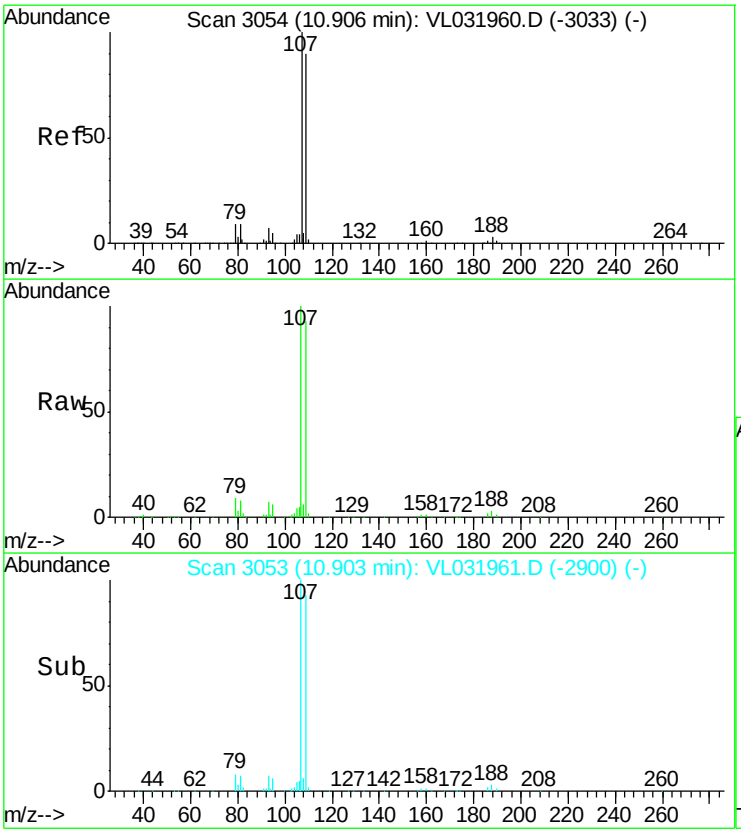
#53
Toluene
Concen: 2.282 ppbv
RT: 10.09 min Scan# 2799
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 616778

Ion	Ratio	Lower	Upper
91	100		
92	58.1	47.4	71.2

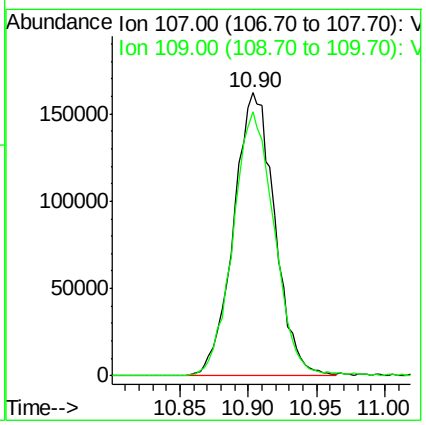


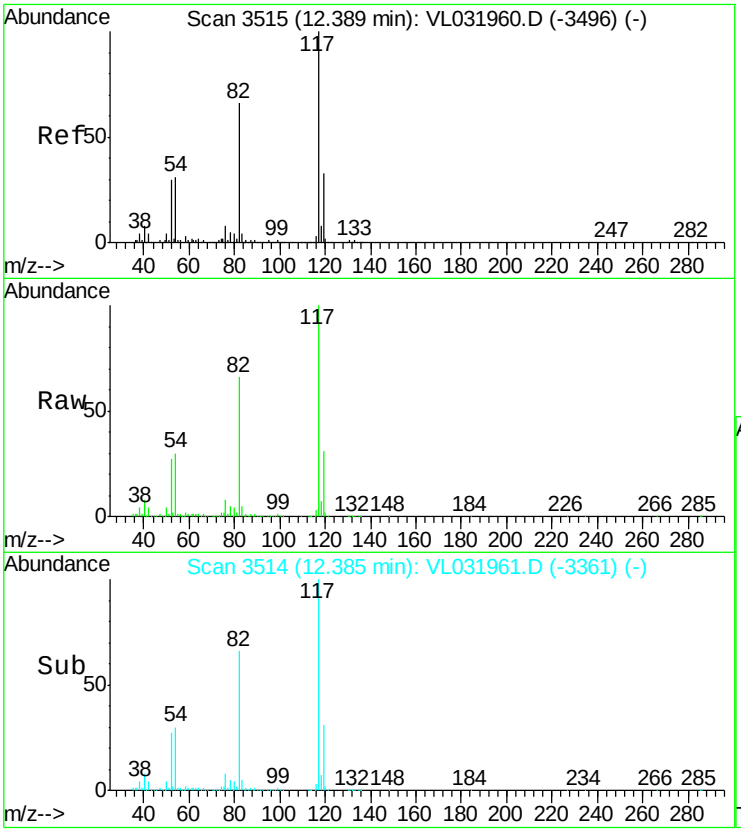


#54
1,2-Dibromoethane
Concen: 2.179 ppbv
RT: 10.90 min Scan# 3053
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:107 Resp: 338616

Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.6	112.0



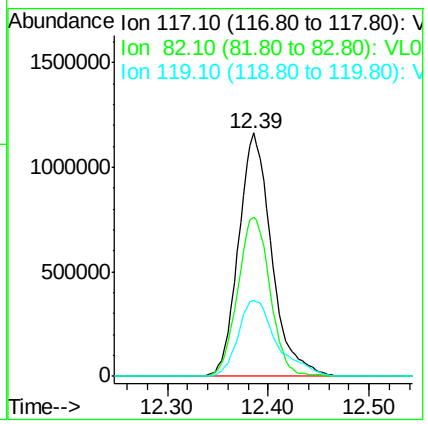


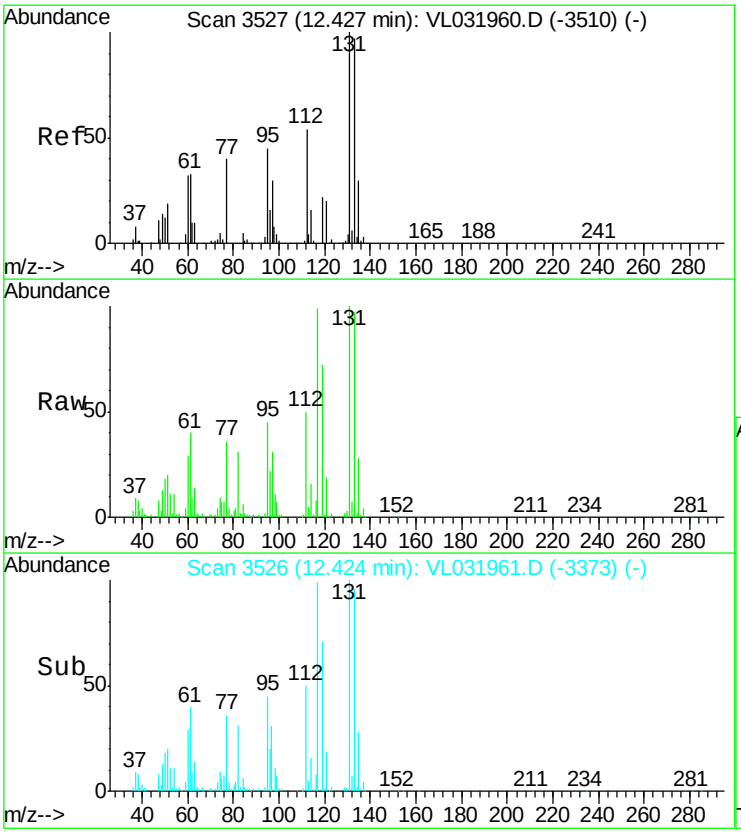
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2638498

Ion	Ratio	Lower	Upper
117	100		
82	63.9	54.6	81.8
119	36.8	26.0	39.0

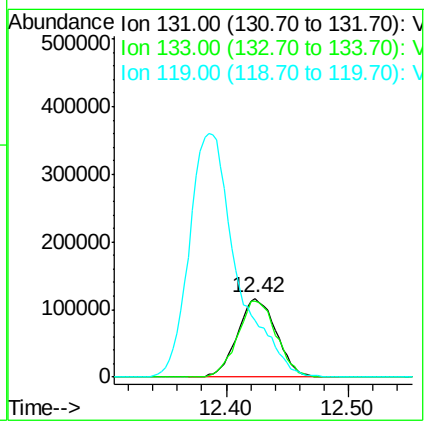


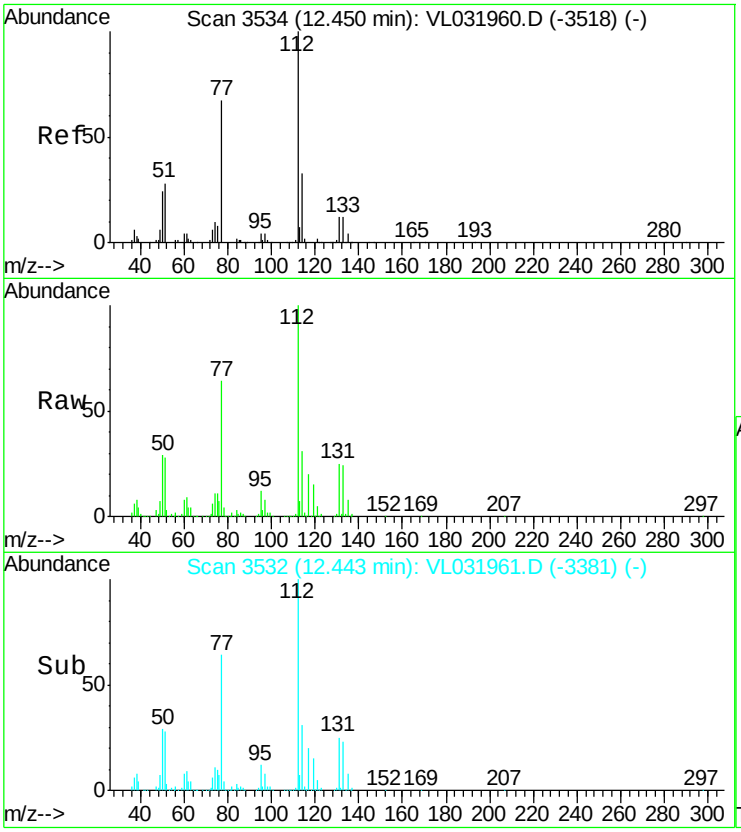


#56
1,1,1,2-Tetrachloroethane
Concen: 2.076 ppbv
RT: 12.42 min Scan# 3526
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:131 Resp: 257774

Ion	Ratio	Lower	Upper
131	100		
133	96.2	76.1	114.1
119	376.5	106.3	159.5#



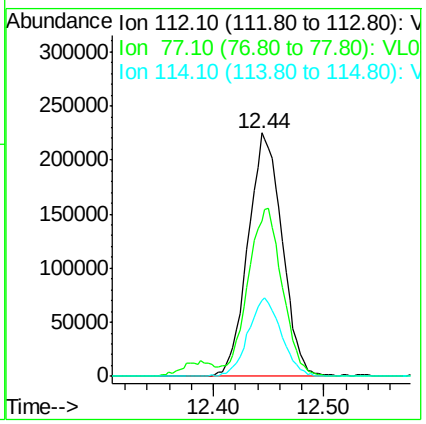


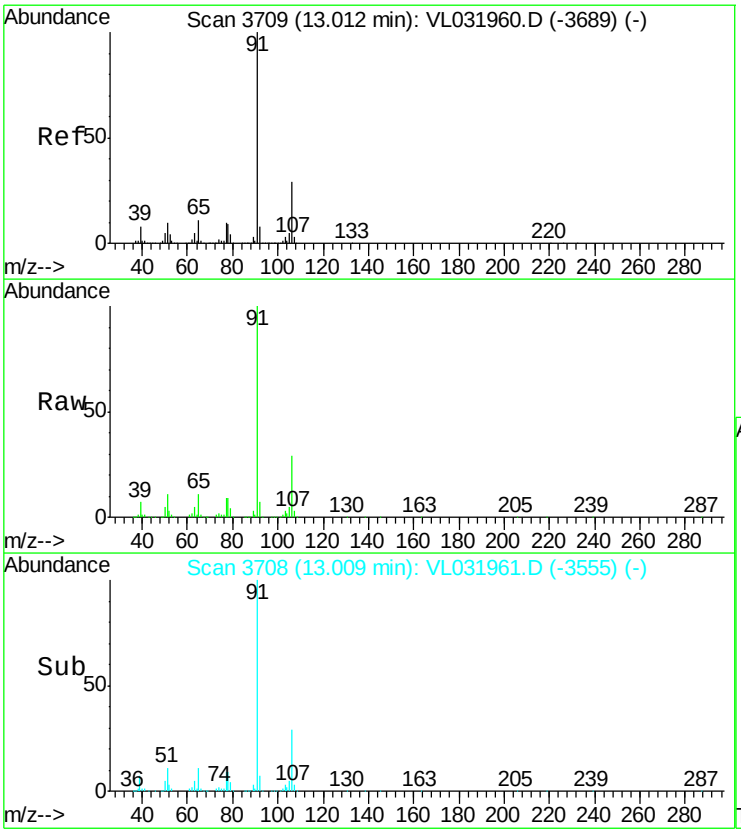
#57
Chlorobenzene
Concen: 2.158 ppbv
RT: 12.44 min Scan# 3532
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 482694

Ion	Ratio	Lower	Upper
112	100		
77	63.6	57.0	85.6
114	31.4	28.5	34.9

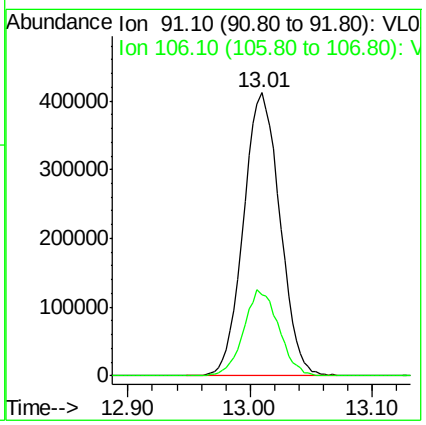


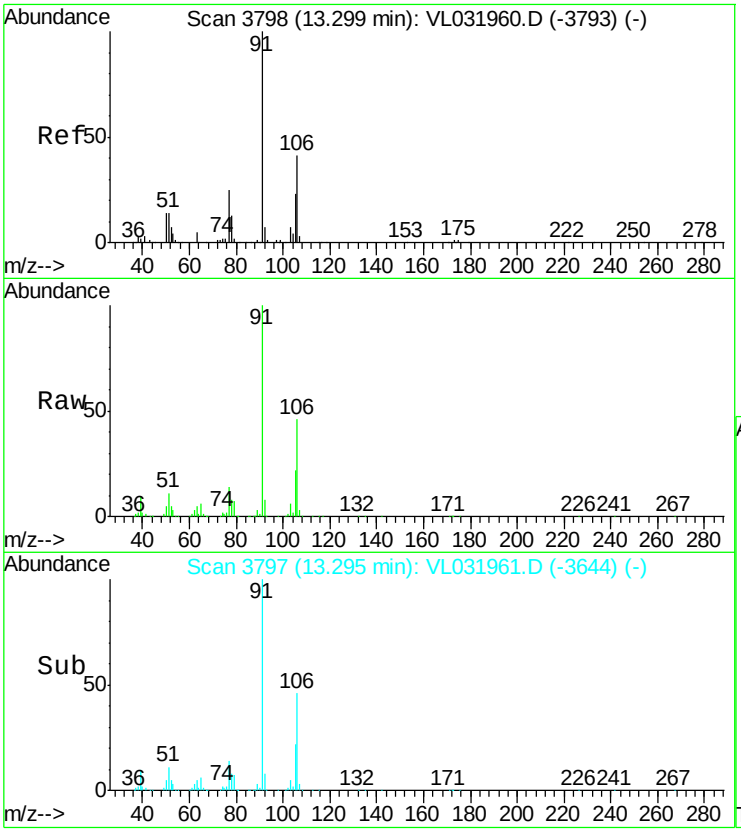


#58
Ethyl Benzene
Concen: 2.318 ppbv
RT: 13.01 min Scan# 3708
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 849440

Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.8	35.6



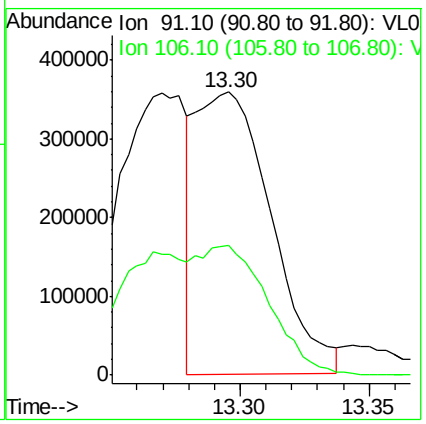


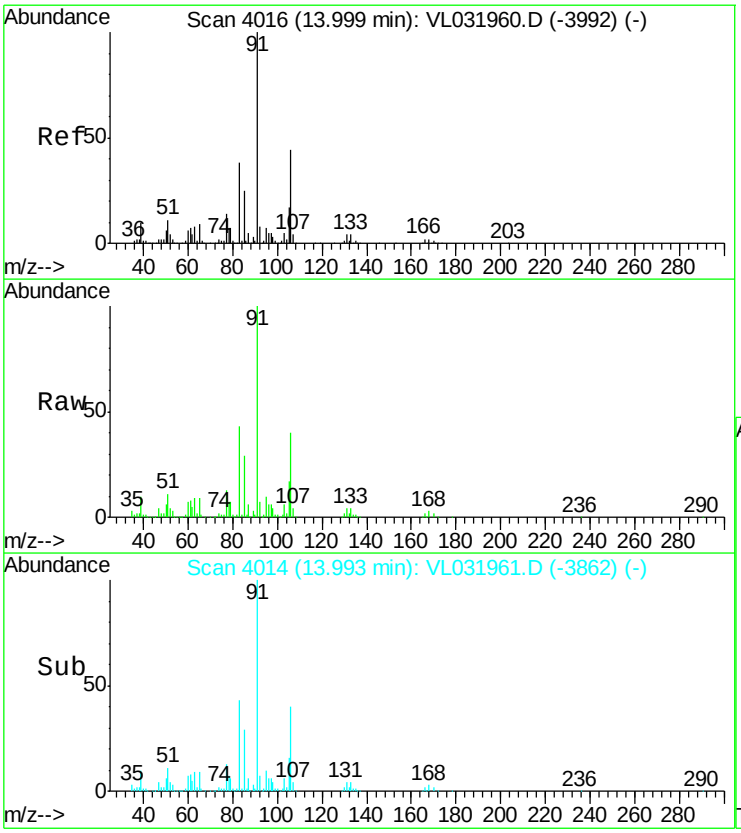
#59
m/p-Xylene
Concen: 2.270 ppbv
RT: 13.30 min Scan# 3797
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 722142

Ion	Ratio	Lower	Upper
91	100		
106	85.9	35.5	53.3#

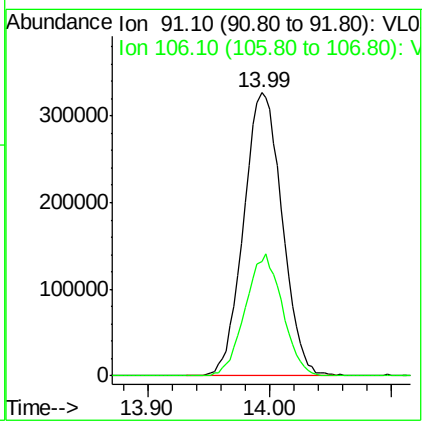


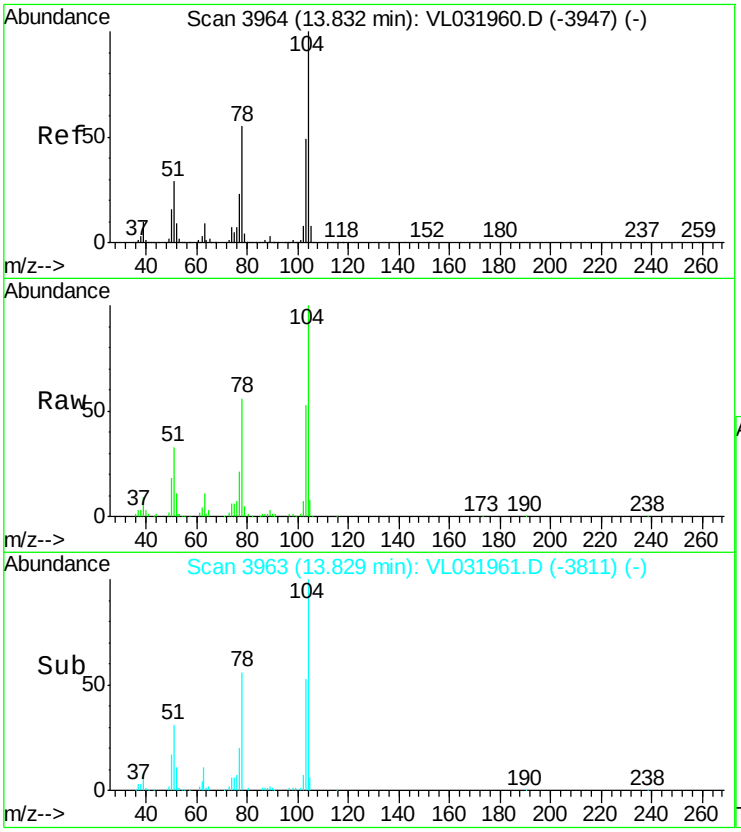


#60
o-Xylene
Concen: 2.243 ppbv
RT: 13.99 min Scan# 4014
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 713462

Ion	Ratio	Lower	Upper
91	100		
106	41.6	21.3	63.9



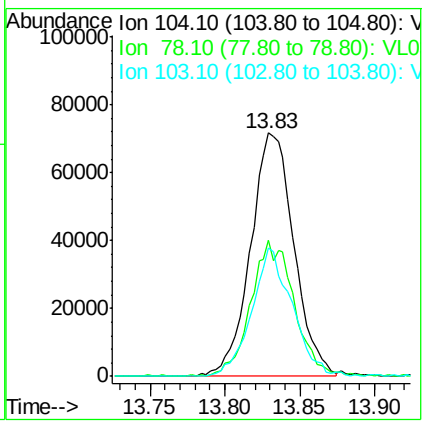


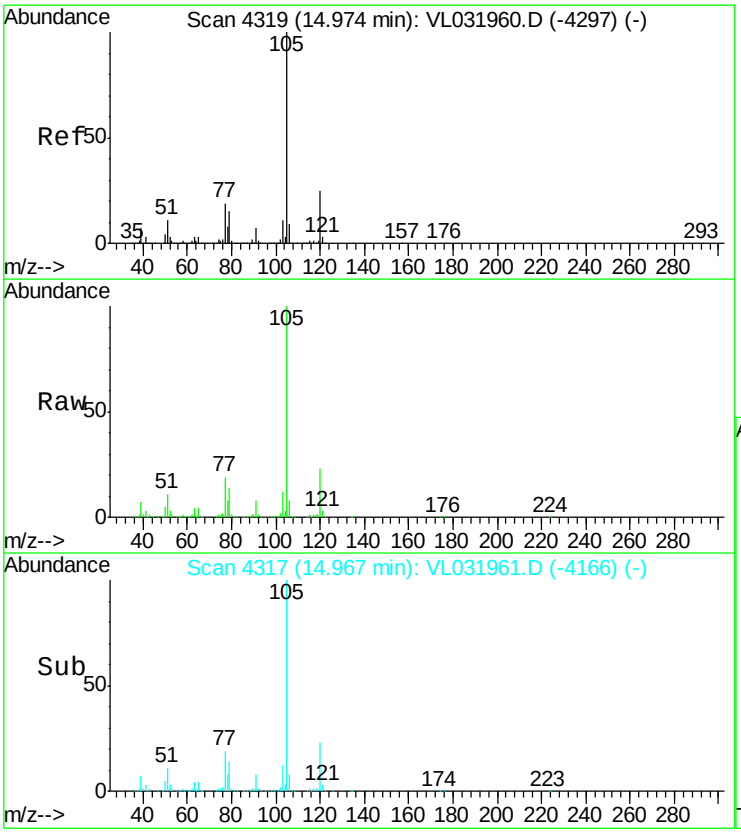
#61
Stvrene
Concen: 2.385 ppbv
RT: 13.83 min Scan# 3963
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 144410

Ion	Ratio	Lower	Upper
104	100		
78	56.0	44.4	66.6
103	49.4	37.9	56.9

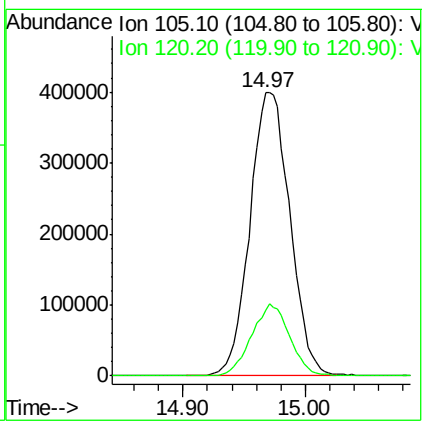


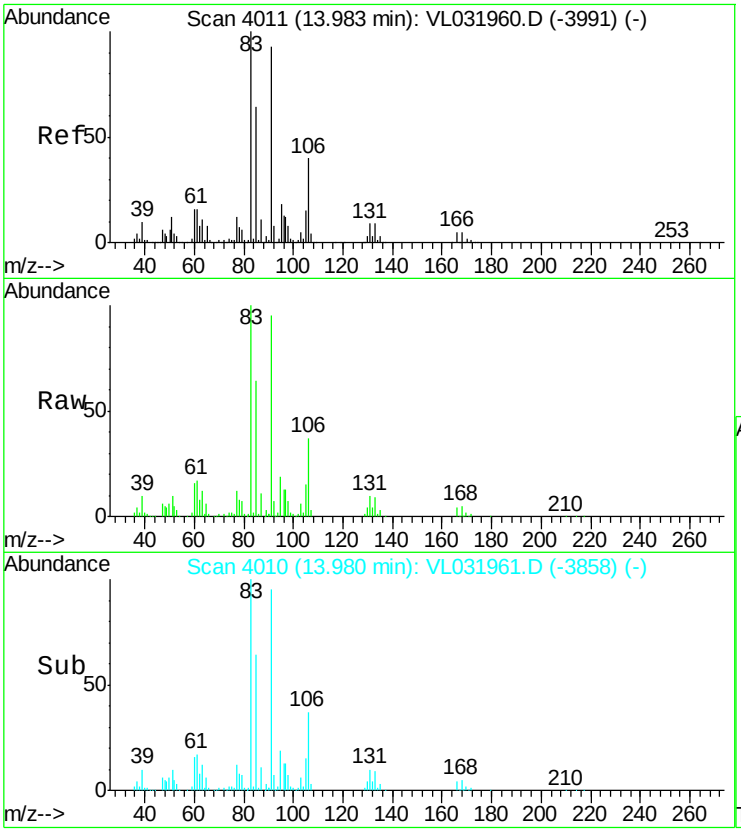


#62
Isopropylbenzene
Concen: 2.213 ppbv
RT: 14.97 min Scan# 4317
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:105 Resp: 904048

Ion	Ratio	Lower	Upper
105	100		
120	24.2	19.4	29.2



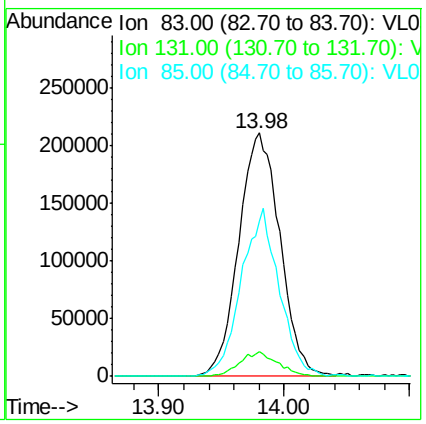


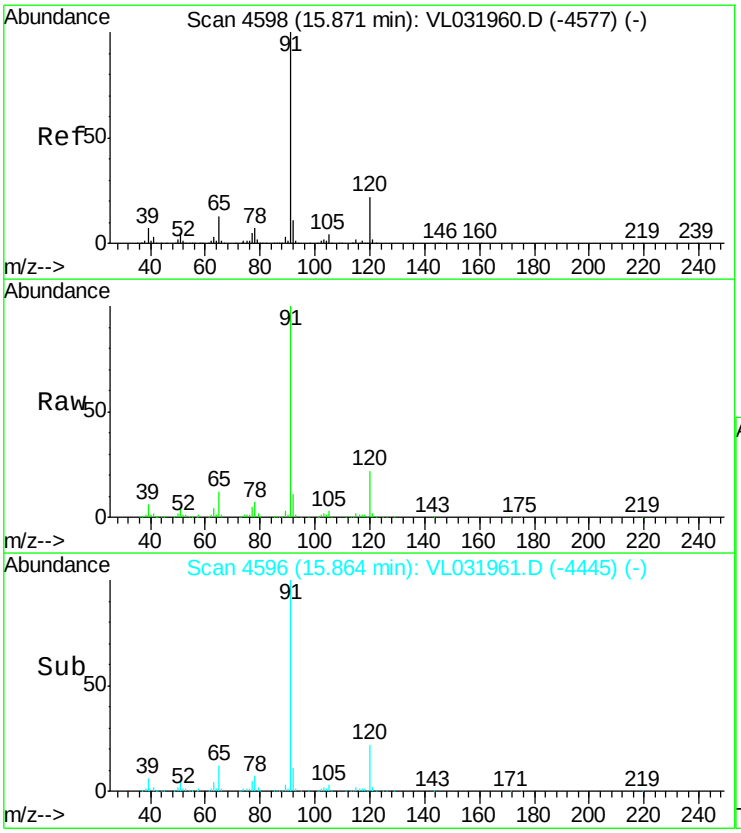
#63
1,1,2,2-Tetrachloroethane
Concen: 1.973 ppbv
RT: 13.98 min Scan# 4010
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 482467

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.9	14.6
85	63.9	32.2	96.6

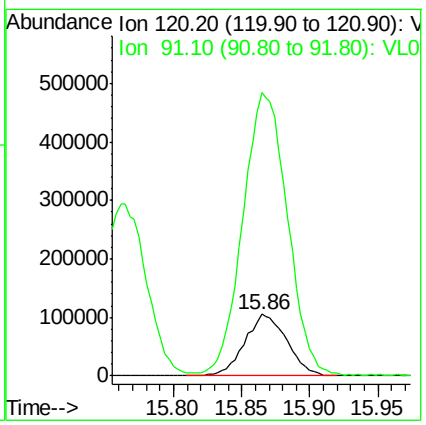


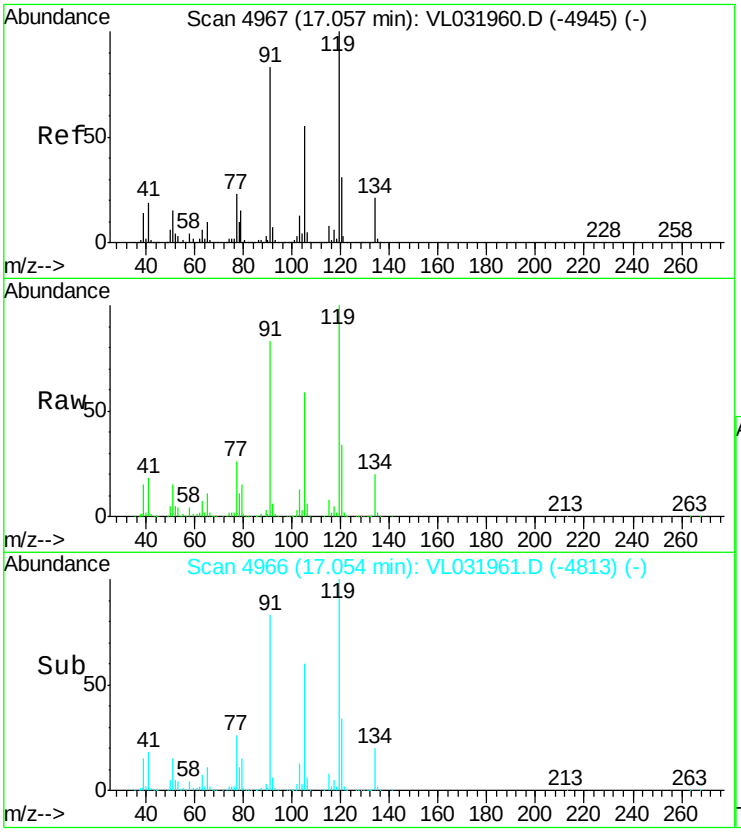


#64
n-propylbenzene
Concen: 2.281 ppbv
RT: 15.86 min Scan# 4596
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:120 Resp: 226558

Ion	Ratio	Lower	Upper
120	100		
91	486.3	393.7	590.5



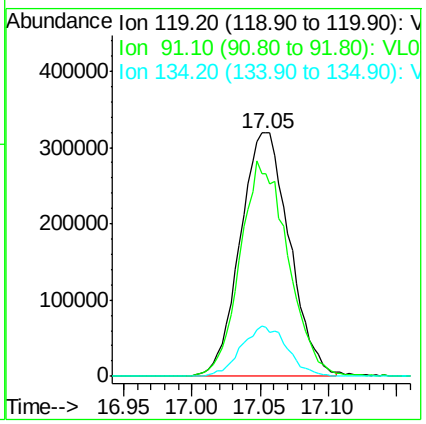


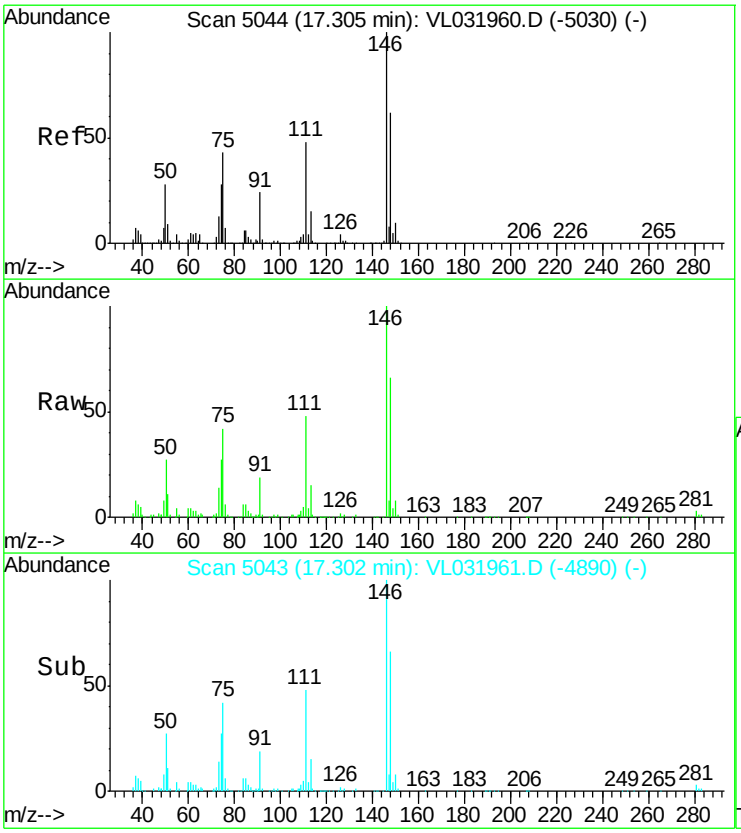
#65
tert-Butylbenzene
Concen: 2.275 ppbv
RT: 17.05 min Scan# 4966
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 799411

Ion	Ratio	Lower	Upper
119	100		
91	86.2	69.4	104.0
134	19.4	15.4	23.2

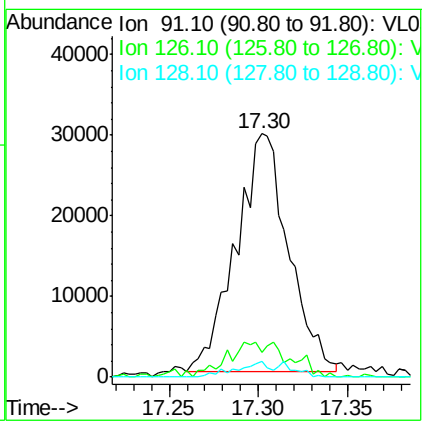


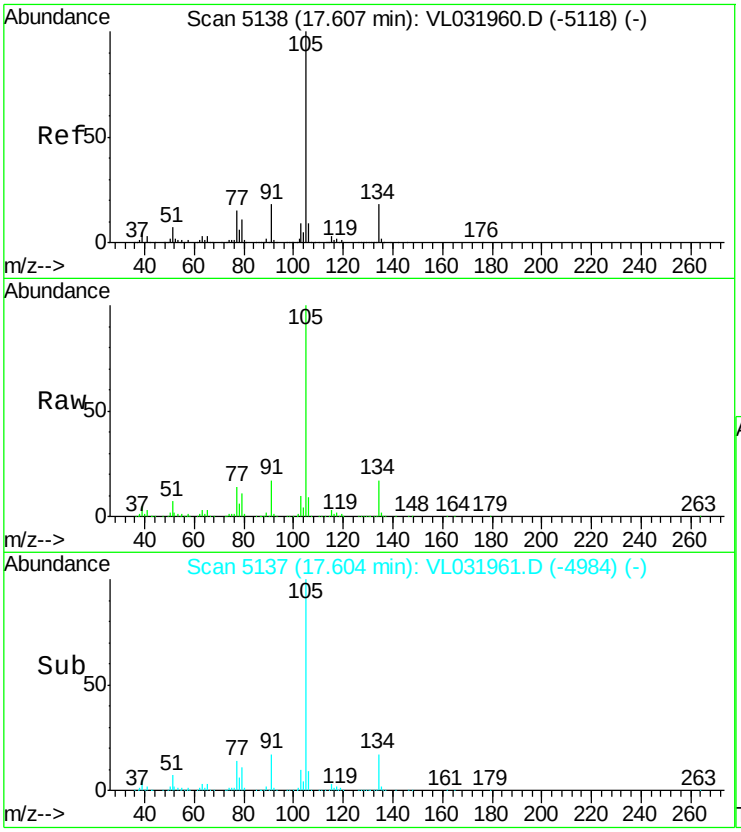


#66
Benzyl Chloride
Concen: 1.904 ppbv
RT: 17.30 min Scan# 5043
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 60264

Ion	Ratio	Lower	Upper
91	100		
126	18.9	12.6	19.0
128	6.1	4.0	6.0#



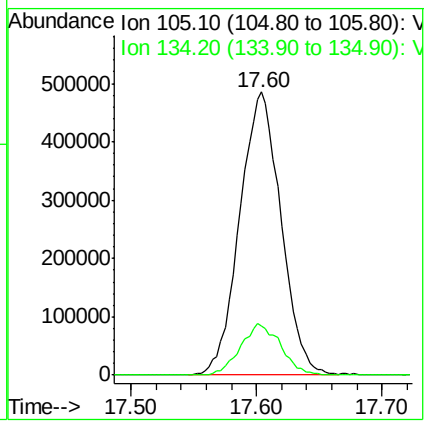


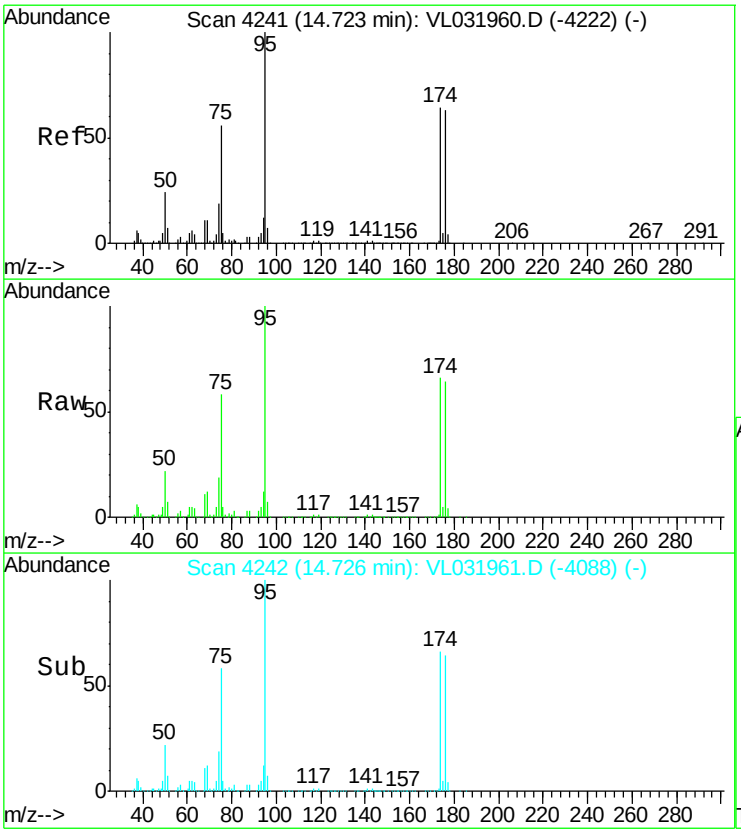
#67
sec-Butylbenzene
Concen: 2.185 ppbv
RT: 17.60 min Scan# 5137
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 1105926

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.2	21.2

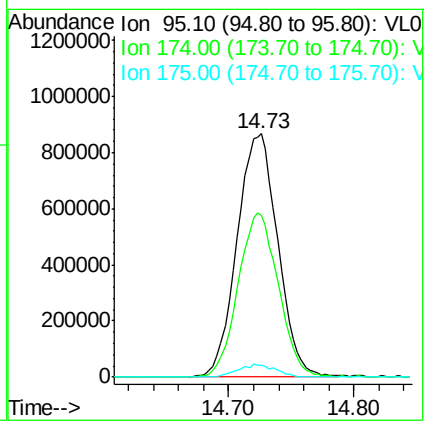


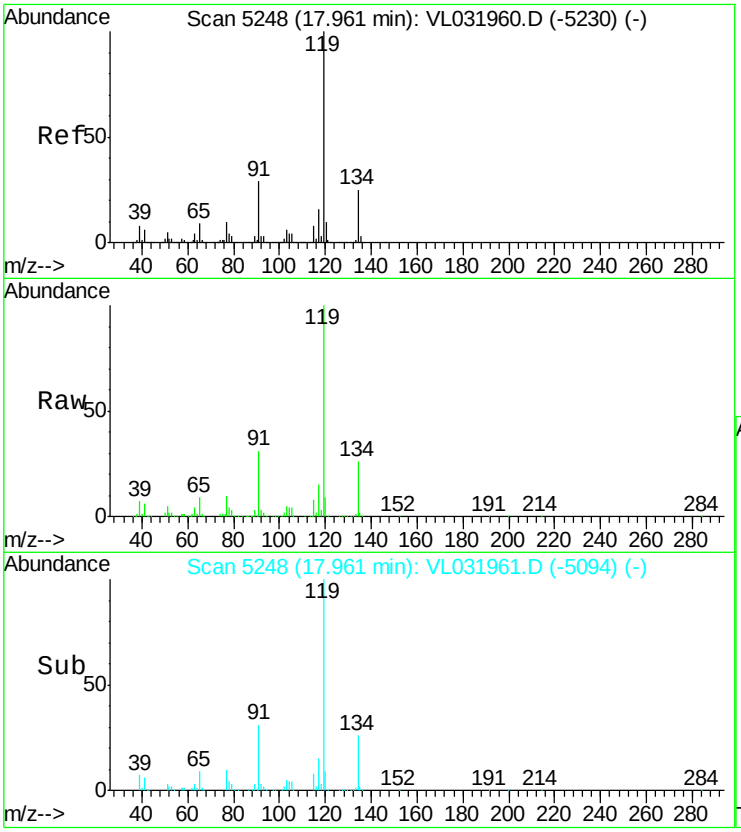


#68
1-Bromo-4-Fluorobenzene
Concen: 9.217 ppbv
RT: 14.73 min Scan# 4242
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 95 Resp: 1955489

Ion	Ratio	Lower	Upper
95	100		
174	66.9	52.3	78.5
175	5.0	3.9	5.9



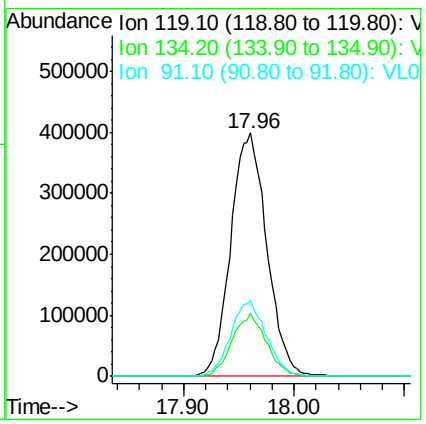


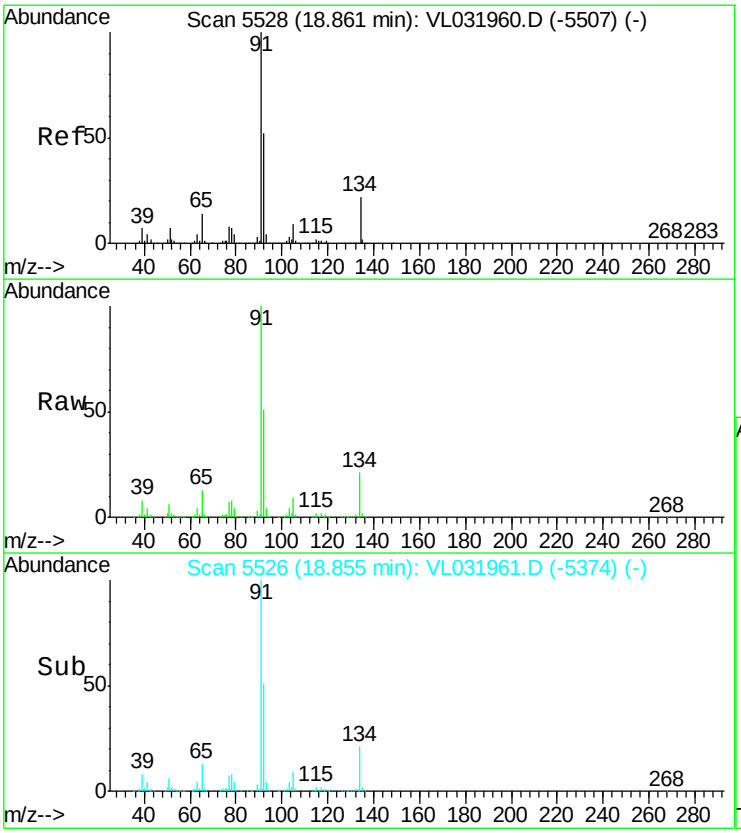
#69
p-Isopropyltoluene
Concen: 2.296 ppbv
RT: 17.96 min Scan# 5248
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 900758

Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.0	30.0
91	30.4	24.9	37.3

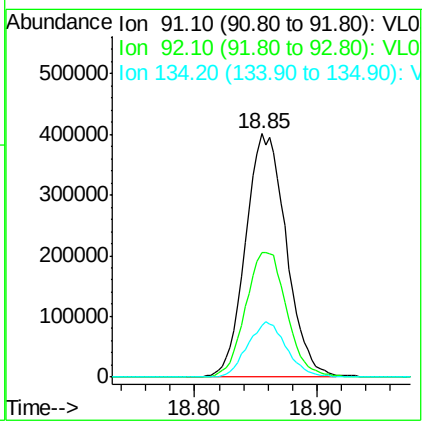


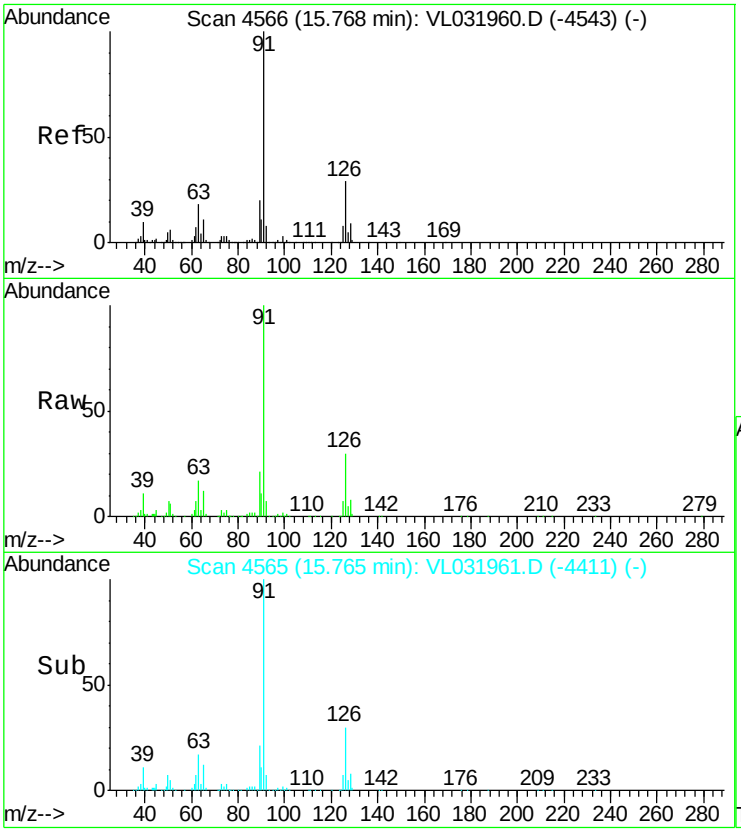


#70
n-Butylbenzene
Concen: 2.257 ppbv
RT: 18.85 min Scan# 5526
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 921970

Ion	Ratio	Lower	Upper
91	100		
92	52.0	42.2	63.4
134	21.9	17.4	26.0



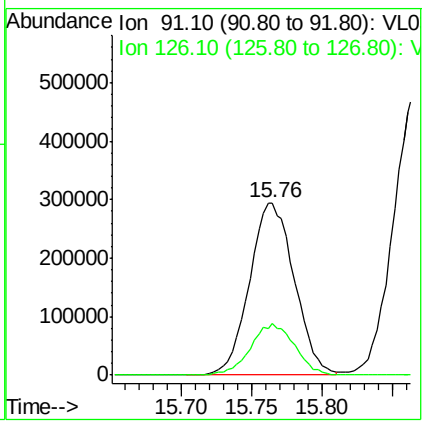


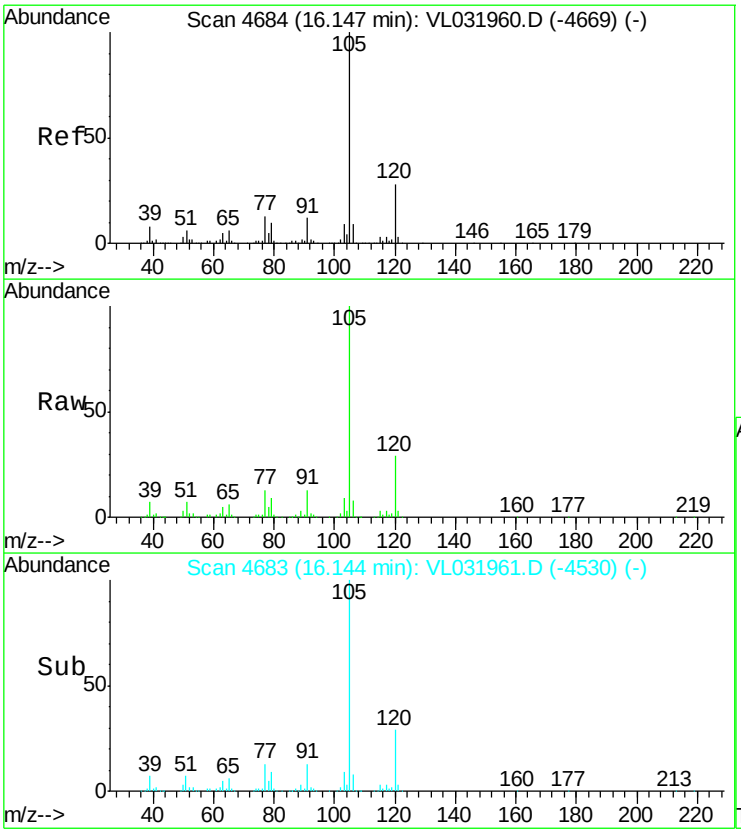
#71
2-Chlorotoluene
Concen: 2.211 ppbv
RT: 15.76 min Scan# 4565
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 652901

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.6	46.2

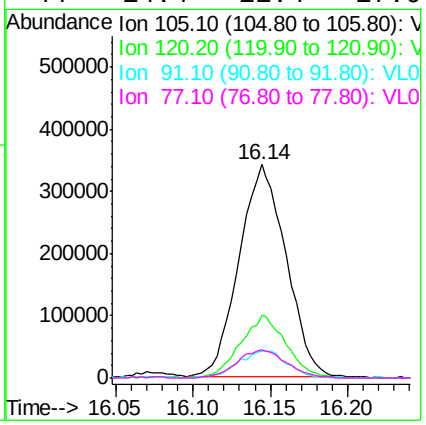


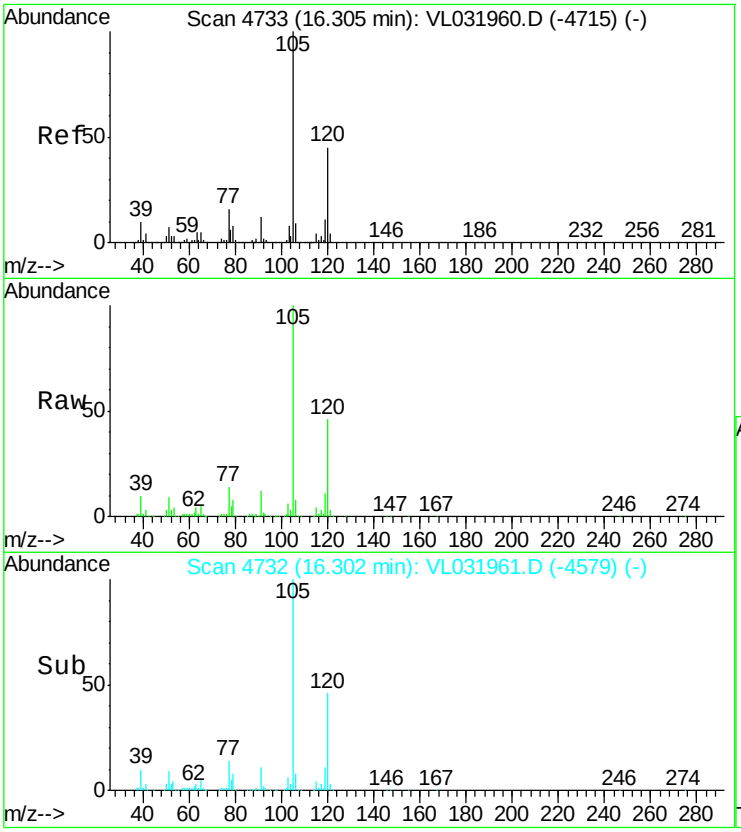


#72
4-Ethyltoluene
Concen: 2.196 ppbv
RT: 16.14 min Scan# 4683
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:105 Resp: 713619

Ion	Ratio	Lower	Upper
105	100		
120	29.0	22.7	34.1
91	13.2	10.6	16.0
77	14.4	11.4	17.0



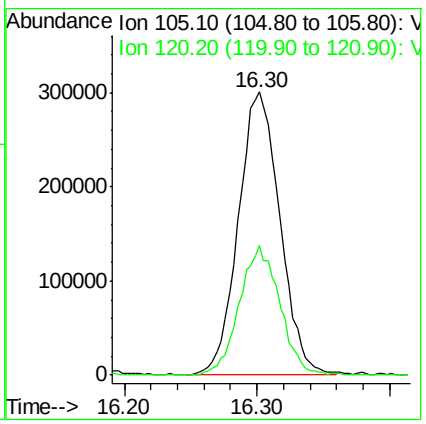


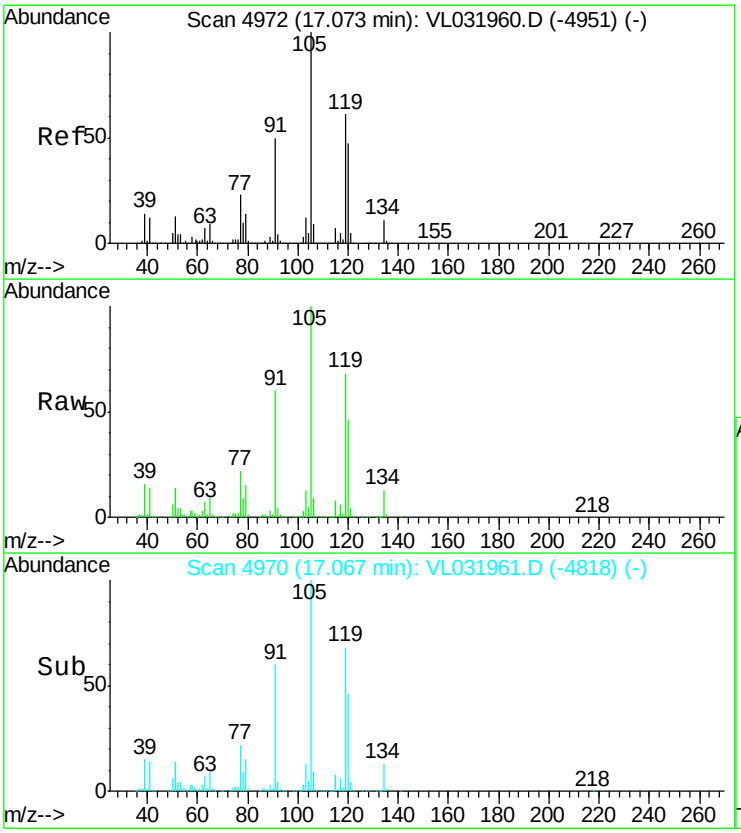
#73
1,3,5-Trimethylbenzene
Concen: 2.196 ppbv
RT: 16.30 min Scan# 4732
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 653191

Ion	Ratio	Lower	Upper
105	100		
120	45.7	35.3	52.9

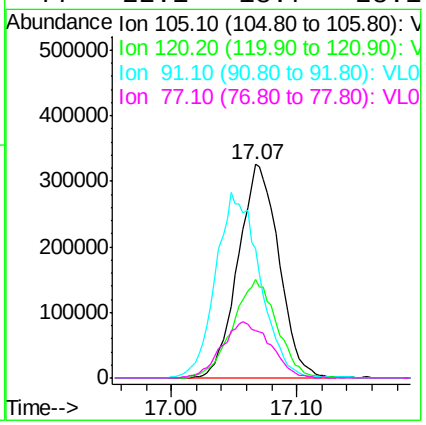


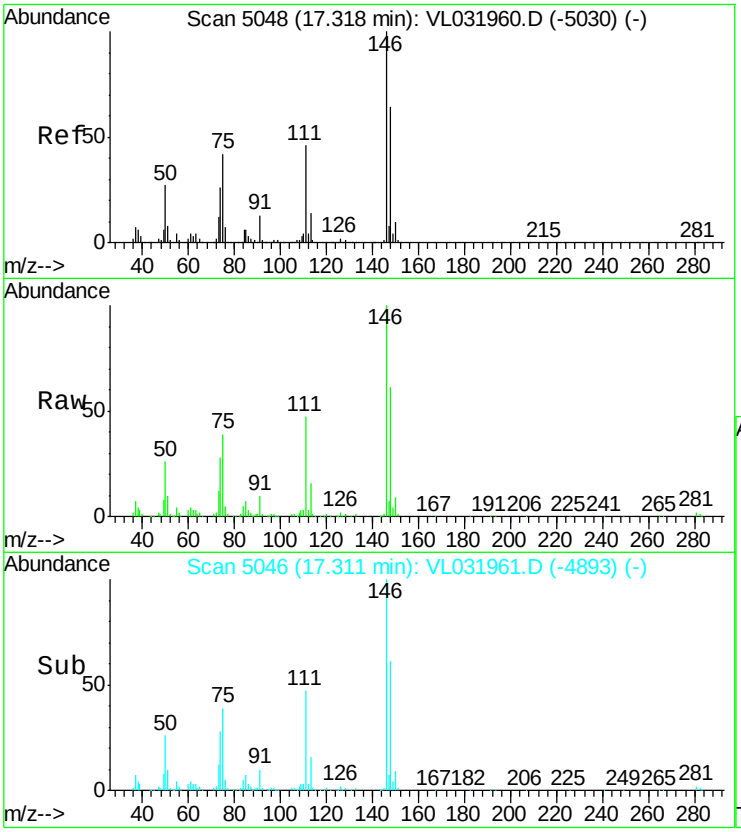


#74
1,2,4-Trimethylbenzene
Concen: 2.209 ppbv
RT: 17.07 min Scan# 4970
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:105 Resp: 733514

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.0	55.4
91	59.8	43.0	64.4
77	22.1	18.7	28.1



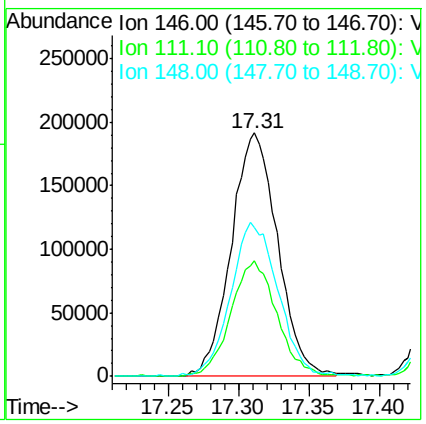


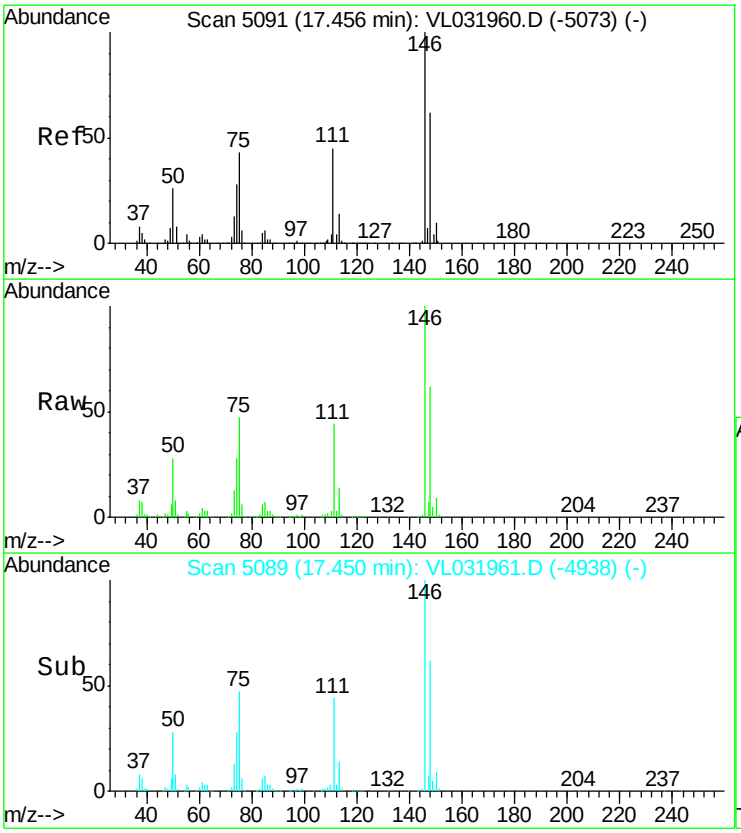
#75
1,3-Dichlorobenzene
Concen: 2.142 ppbv
RT: 17.31 min Scan# 5046
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 436261

Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.8	71.4
148	65.6	32.0	96.2

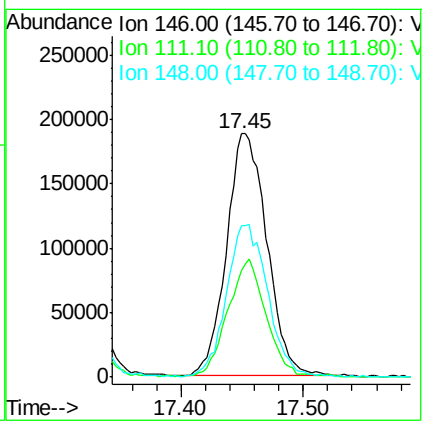


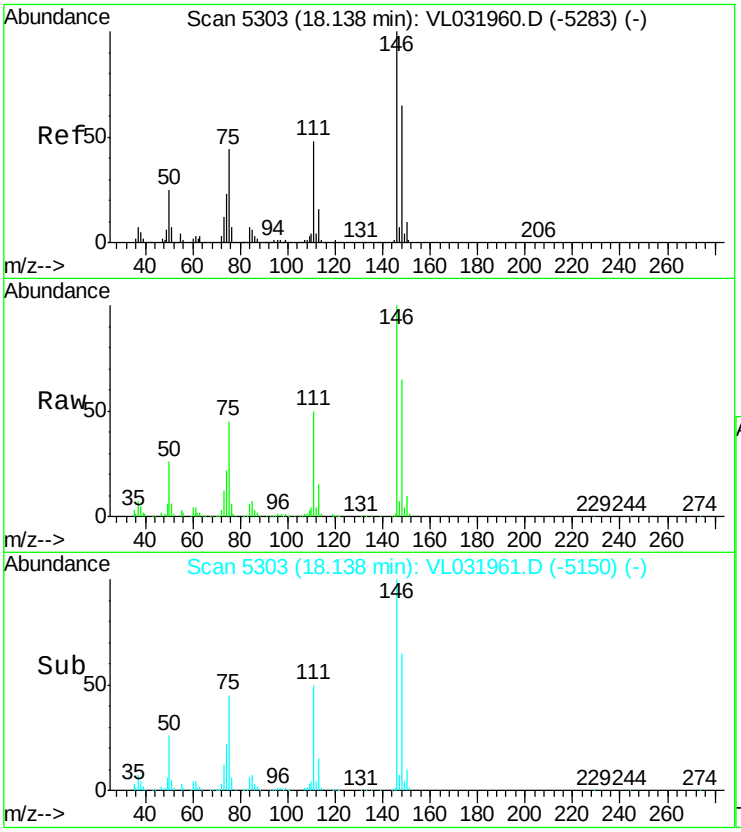


#76
1,4-Dichlorobenzene
Concen: 2.165 ppbv
RT: 17.45 min Scan# 5089
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:146 Resp: 427813

Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.9	68.7
148	65.7	32.0	96.0



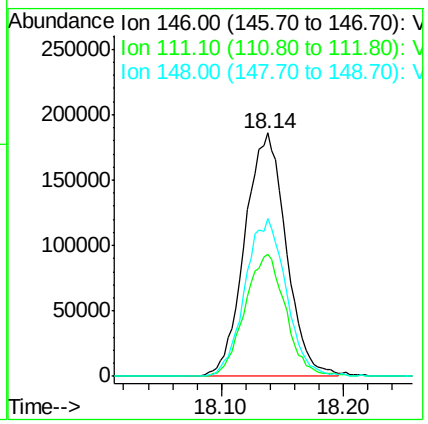


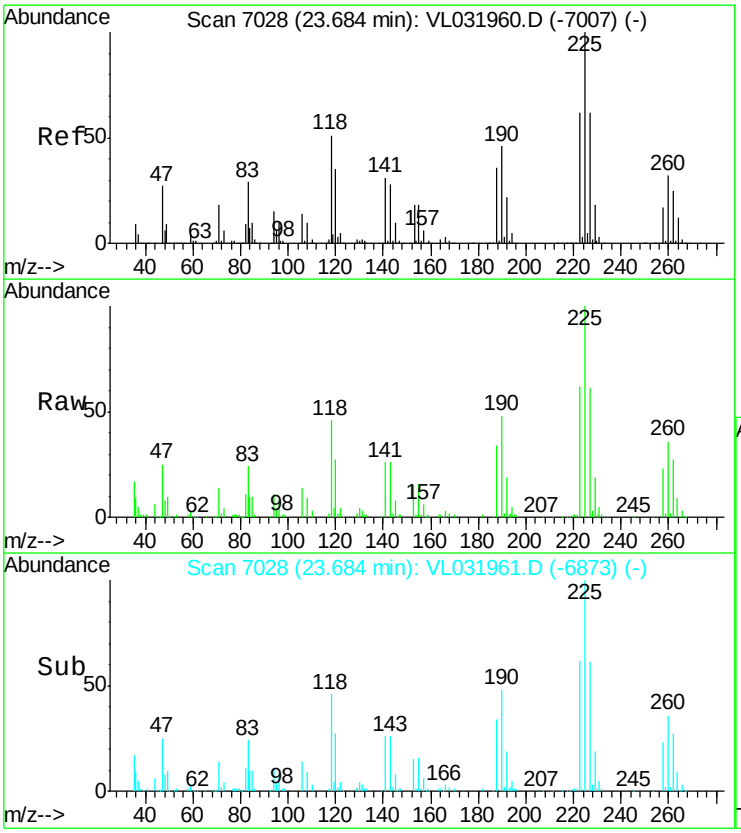
#77
1,2-Dichlorobenzene
Concen: 2.170 ppbv
RT: 18.14 min Scan# 5303
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 435214

Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.3	72.8
148	64.7	31.8	95.3

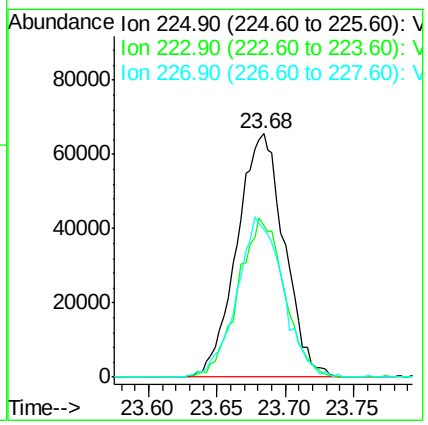


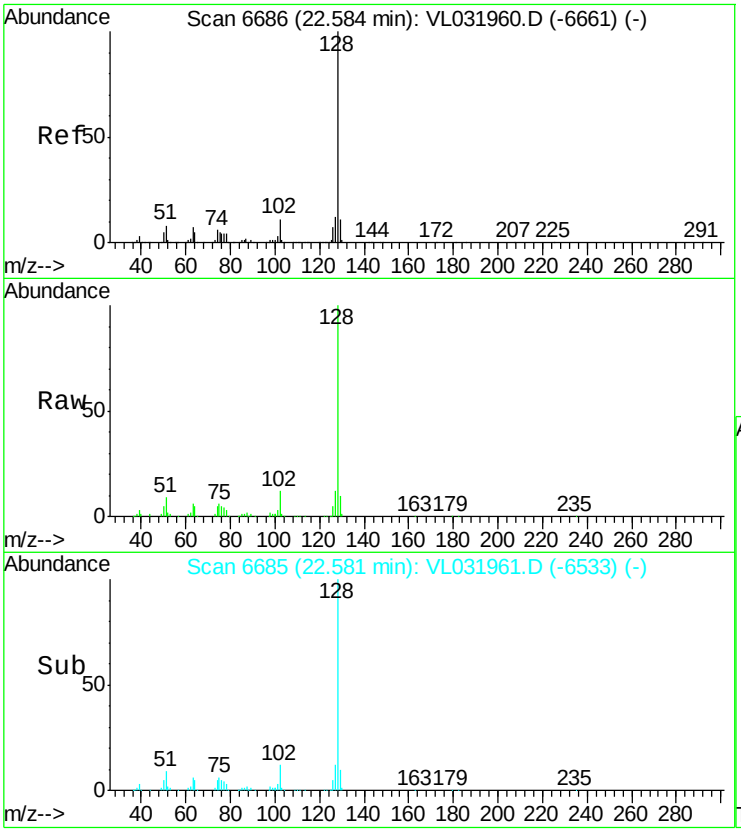


#78
Hexachloro-1,3-Butadiene
Concen: 2.055 ppbv
RT: 23.68 min Scan# 7028
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:225 Resp: 158248

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	76.0
227	63.9	52.2	78.4



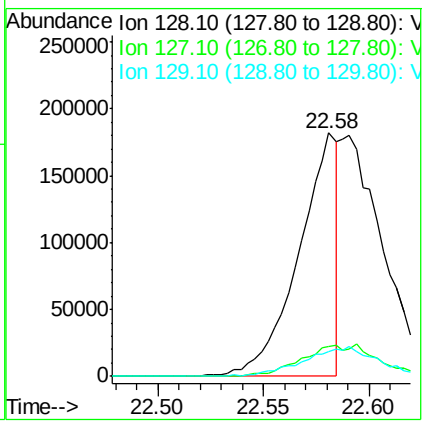


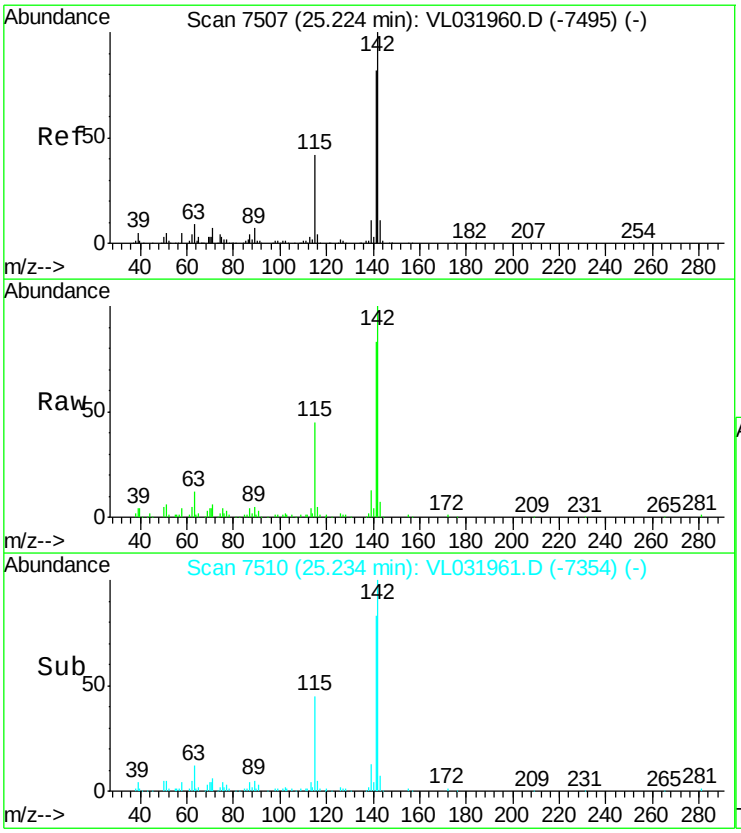
#79
Naphthalene
Concen: 1.241 ppbv
RT: 22.58 min Scan# 6685
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 231900

Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	10.2	9.4	14.2

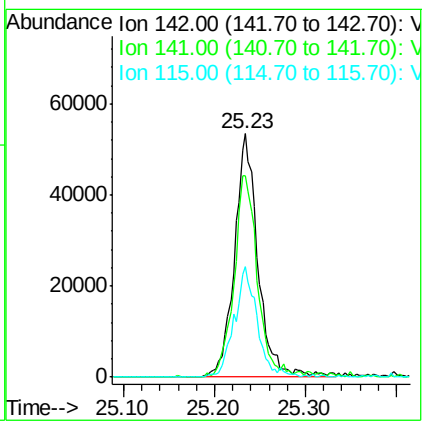


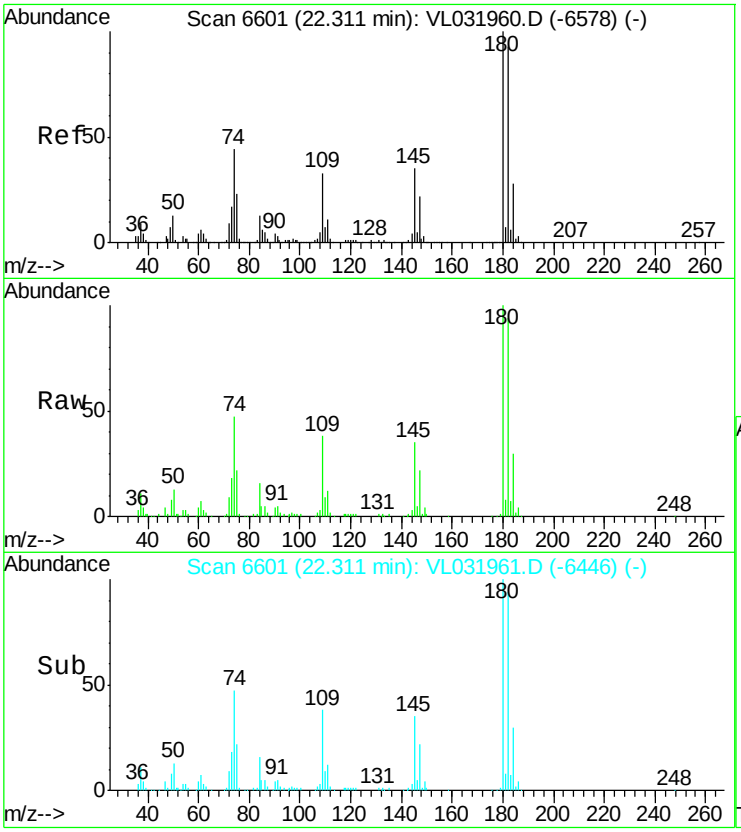


#80
Naphthalene,2-methyl-
Concen: 2.632 ppbv
RT: 25.23 min Scan# 7510
Delta R.T. 0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:142 Resp: 96044

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.0	100.4
115	44.2	35.3	52.9





#81
1,2,4-Trichlorobenzene
Concen: 2.588 ppbv
RT: 22.31 min Scan# 6601
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 268363

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.3	114.5
184	30.7	24.2	36.2