Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\

Quantitation Report (Not Reviewed)

Data File : VL033591.D
Acq On : 16 Apr 2019 14:21
Operator : SY/AP
Sample : K2241-14 1 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2019

Quant Time: Apr 17 05:50:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	826766	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2060549	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2026096	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1573671	9.91	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	131633	1.092	ppbv		96
3) Chlorodifluoromethane	3.01	51	98572	1.036	ppbv		100
4) Chloromethane	3.16	50	24237	0.481	ppbv		99
5) Vinyl Chloride	3.29	62	56272	1.137	ppbv		93
6) Bromomethane	3.52	94	35702	1.123	ppbv		100
7) Chloroethane	3.60	64	20116	1.092	ppbv	#	80
8) Dichlorotetrafluoroethane	3.22	85	141604	1.102	ppbv		97
9) Propene	3.04	41	41337	1.034	ppbv		95
10) Heptane	8.24	43	100179	0.938	ppbv		99
11) Trichlorofluoromethane	4.00	101	164284	1.105	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	108327	1.085	ppbv		98
13) Ethanol	3.65	45	9548	0.923	ppbv	#	18
14) Bromoethene	3.79	108	42746	1.074	ppbv		97
15) Acetone	3.90	43	123854	1.246	ppbv		95
16) 1,3-Butadiene	3.36	39	46541	1.180	ppbv		96
17) tert-Butyl alcohol	4.04	59	2079	0.114	ppbv		98
18) 1,1-Dichloroethene	4.34	96	22970	0.536	ppbv		88
19) Isopropyl Alcohol	4.03	45	81905	1.303	ppbv	#	96
20) Methylene Chloride	4.40	84	49894	1.182	ppbv		89
21) Allyl Chloride	4.48	41	66274	1.055	ppbv		99
22) trans-1,2-Dichloroethene	4.96	96	47358	1.059	ppbv		92
23) Vinyl Acetate	5.15	43	149877	1.059	ppbv		99
24) 1,1-Dichloroethane	5.08	63	110029	1.024	ppbv		100
25) Ethyl Acetate	5.77	43	182248	0.988	ppbv		99
26) Hexane	5.78	57	84378	1.029	ppbv		97
27) Carbon Disulfide	4.62	76	99657	1.022	ppbv	#	93
28) Methyl tert-Butyl Ether	5.12	73	127772	1.082	ppbv		99
29) Chloroform	5.84	83	139895	0.995	ppbv		95
30) Cyclohexane	7.24	84	60203	0.928	ppbv		92
31) cis-1,2-Dichloroethene	5.64	61	80167	0.983	ppbv		93
32) 1,1,1-Trichloroethane	6.61	97	137252	1.025	ppbv		99
34) 2-Butanone	5.33	43	117874	0.952	ppbv		99
35) Carbon Tetrachloride	7.13	117	140539	0.963	ppbv		99
36) Benzene	6.99	78	167289	0.968	ppbv		93
37) 1,2-Dichloroethane	6.40	62	107890	0.931	ppbv		98
38) Trichloroethene	7.96	130	63901	0.982	ppbv		95
39) 1,2-Dichloropropane	7.73	63	68487	1.011	ppbv		86
40) 1,4-Dioxane	7.97	88	12485	0.517	ppbv	#	1
41) Tetrahydrofuran	6.16	42	60338	0.886	ppbv		98
42) Bromodichloromethane	7.91	83	143138	0.907	ppbv		95
43) Methyl Methacrylate	8.13	69	34730	0.495	ppbv	#	22

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\

Quantitation Report (Not Reviewed)

Data File : VL033591.D
Acq On : 16 Apr 2019 14:21
Operator : SY/AP
Sample : K2241-14 1 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2019

Quant Time: Apr 17 05:50:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	285607	0.945	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	70507	0.818	ppbv		94
46) cis-1,3-Dichloropropene	8.83	75	82323	0.818	ppbv		97
47) 1,1,2-Trichloroethane	9.60	97	74334	0.967	ppbv		91
48) Dibromochloromethane	10.44	129	115366	0.889	ppbv		100
49) Bromoform	13.19	173	98676	0.796	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	166955	0.921	ppbv		100
51) 2-Hexanone	10.28	43	119738	0.885	ppbv	#	97
52) Tetrachloroethene	11.36	164	29546	0.453	ppbv		93
53) Toluene	9.94	91	181386	0.903	ppbv		98
54) 1,2-Dibromoethane	10.75	107	109106	0.907	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.27	131	91508	0.985	ppbv	#	1
57) Chlorobenzene	12.29	112	156333	0.994	ppbv		100
58) Ethyl Benzene	12.86	91	245685	0.908	ppbv		98
59) m/p-Xylene	13.15	91	130695	0.541	ppbv	#	100
60) o-Xylene	13.84	91	216501	0.926	ppbv		99
61) Styrene	13.68	104	138749	0.865	ppbv		99
62) Isopropylbenzene	14.82	105	306108	0.925	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.83	83	169102	0.983	ppbv		100
64) n-propylbenzene	15.72	120	77637	0.925	ppbv		95
65) tert-Butylbenzene	16.91	119	263585	0.904	ppbv		95
66) Benzyl Chloride	17.15	91	105400	0.777	ppbv		99
67) sec-Butylbenzene	17.45	105	387520	0.934	ppbv		98
69) p-Isopropyltoluene	17.81	119	292282	0.866	ppbv		98
70) n-Butylbenzene	18.71	91	304023	0.850	ppbv		99
71) 2-Chlorotoluene	15.61	91	228296	0.907	ppbv		100
72) 4-Ethyltoluene	15.99	105	227876	0.867	ppbv		98
73) 1,3,5-Trimethylbenzene	16.15	105	210810	0.839	ppbv		94
74) 1,2,4-Trimethylbenzene	16.92	105	231680	0.860	ppbv	#	89
75) 1,3-Dichlorobenzene	17.16	146	150531	0.904	ppbv		96
76) 1,4-Dichlorobenzene	17.30	146	143703	0.886	ppbv		96
77) 1,2-Dichlorobenzene	17.98	146	66519	0.421	ppbv	#	23
78) Hexachloro-1,3-Butadiene	23.54	225	98629	0.943	ppbv		99
79) Naphthalene	22.42	128	105997	0.460	ppbv		97
80) Naphthalene,2-methyl-	25.12	142	11845	0.153	ppbv		94
81) 1,2,4-Trichlorobenzene	22.14	180	75190	0.588	ppbv		95

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

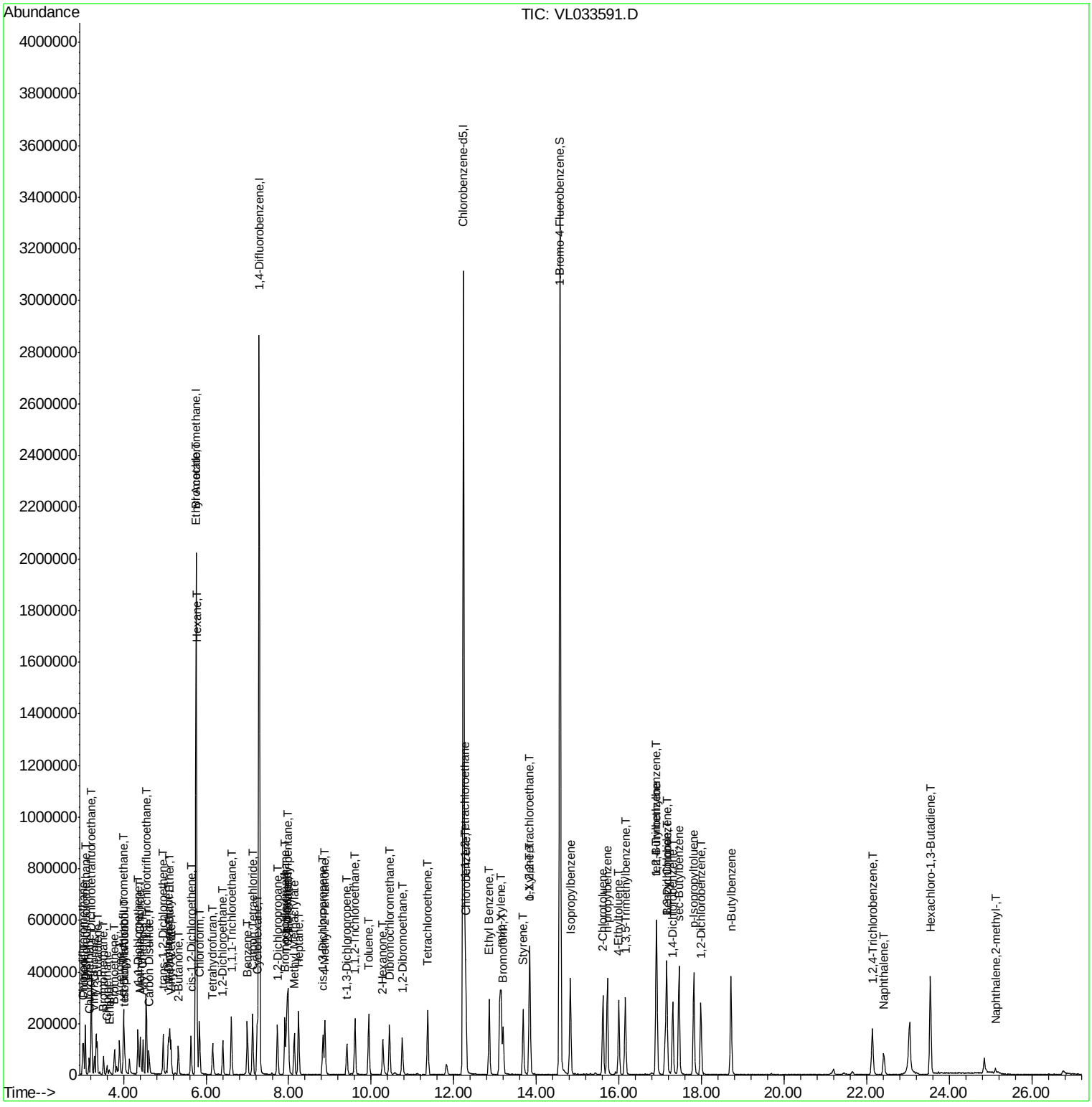
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\

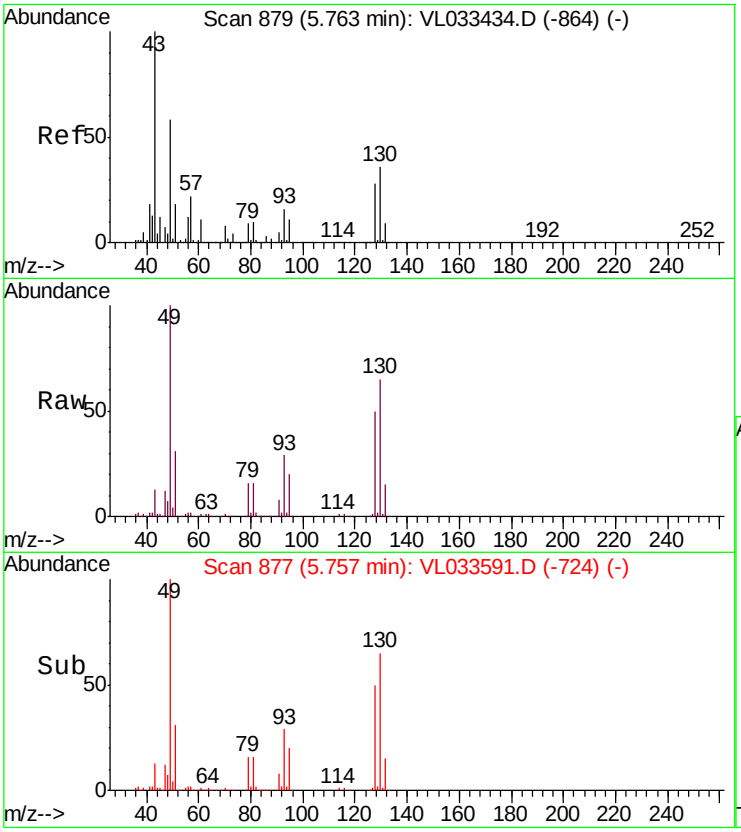
Quantitation Report (Not Reviewed)

Data File : VL033591.D
Acq On : 16 Apr 2019 14:21
Operator : SY/AP
Sample : K2241-14 1 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Quant Time: Apr 17 05:50:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



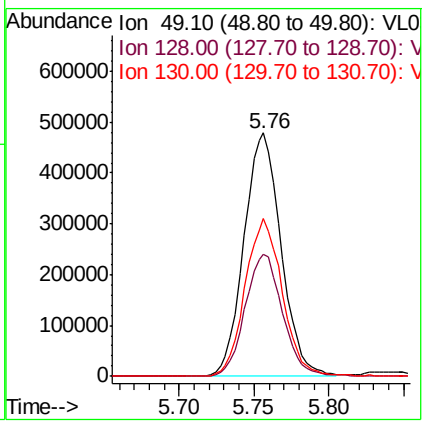


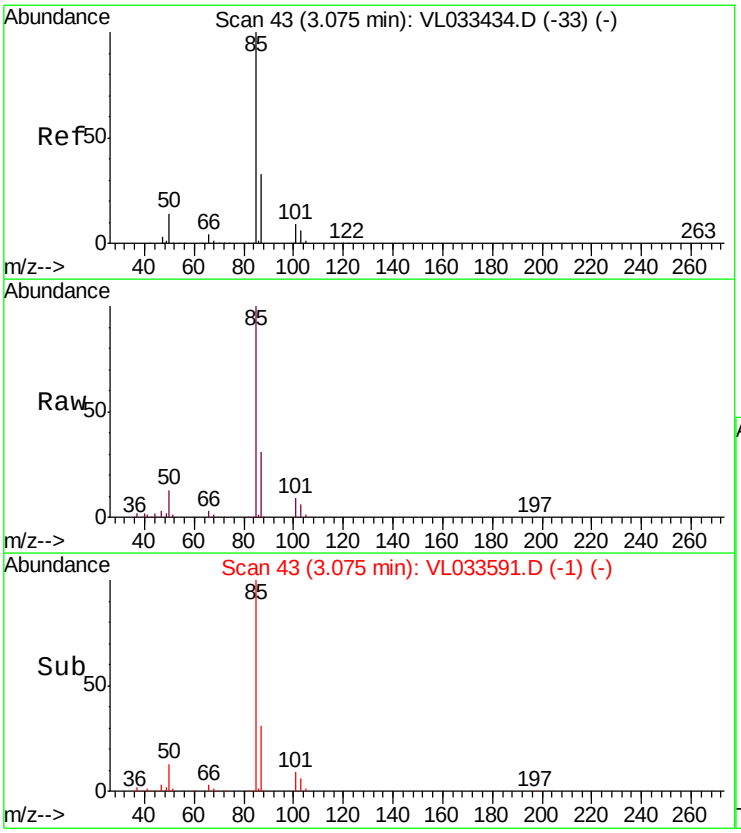
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 49 Resp: 826766

Ion	Ratio	Lower	Upper
49	100		
128	50.6	24.0	72.0
130	65.0	31.2	93.6

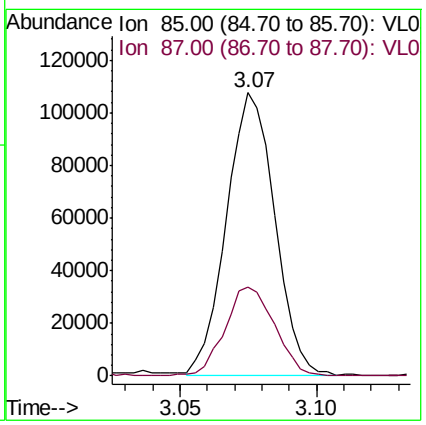


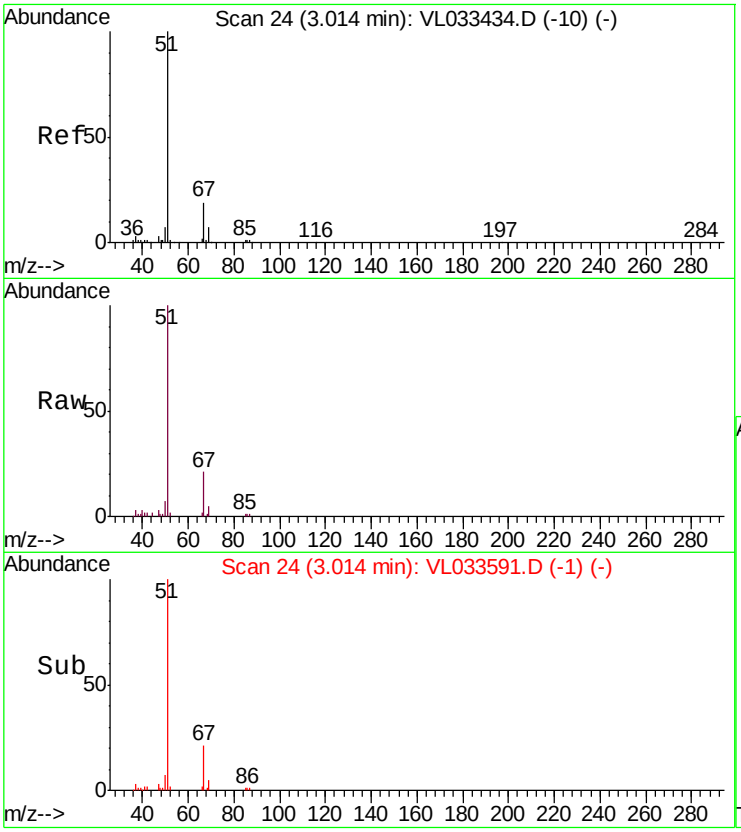


#2
Dichlorodifluoromethane
Concen: 1.092 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 85 Resp: 131633

Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.7	40.1



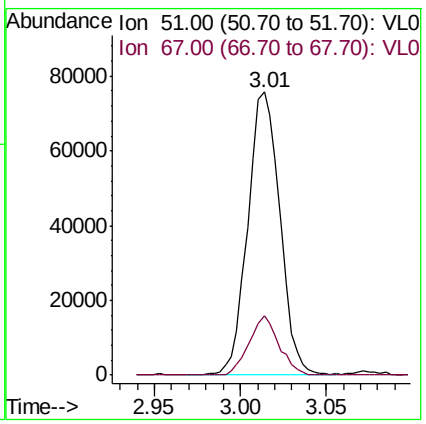


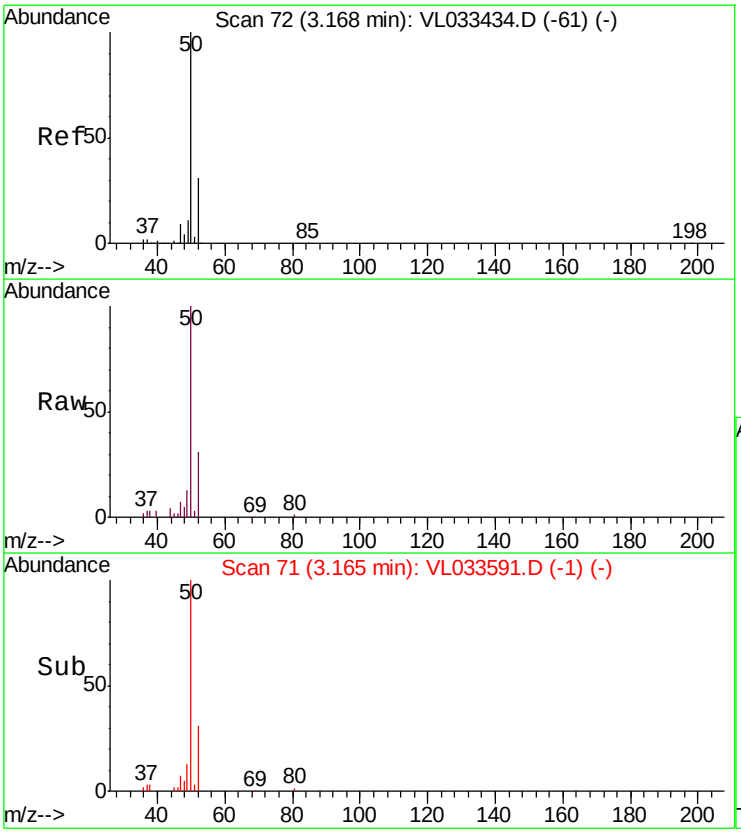
#3
Chlorodifluoromethane
Concen: 1.036 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 51 Resp: 98572

Ion	Ratio	Lower	Upper
51	100		
67	19.7	15.7	23.5

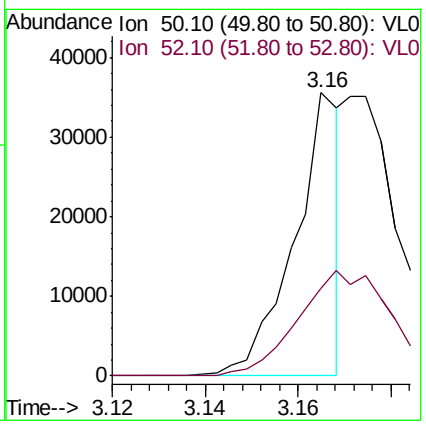


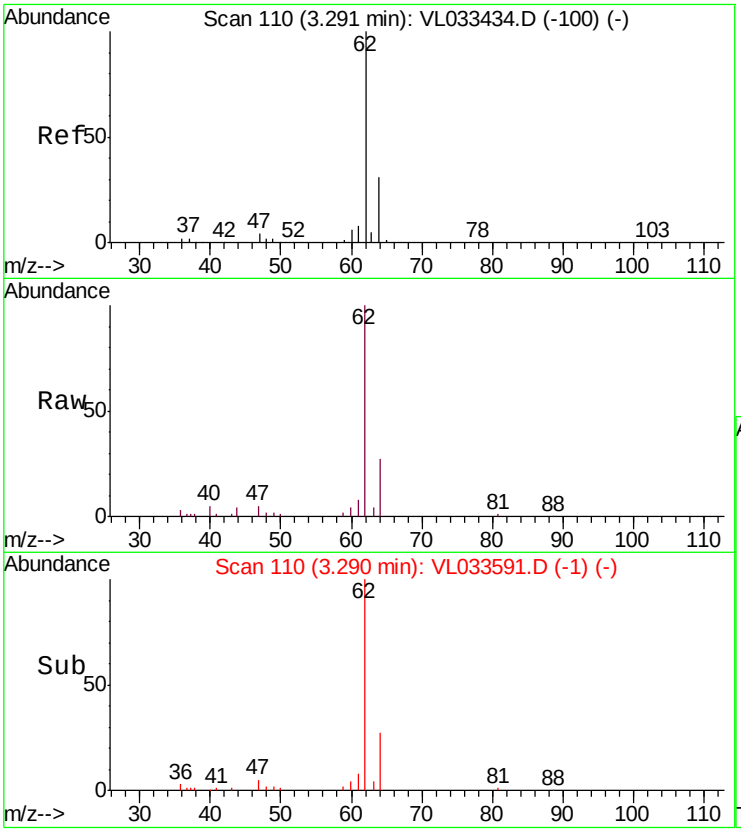


#4
Chloromethane
Concen: 0.481 ppbv
RT: 3.16 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 50 Resp: 24237

Ion	Ratio	Lower	Upper
50	100		
52	30.8	25.0	37.6



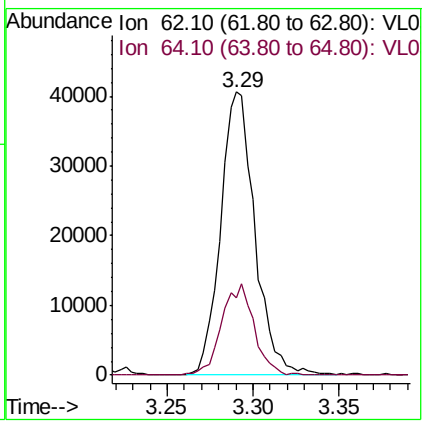


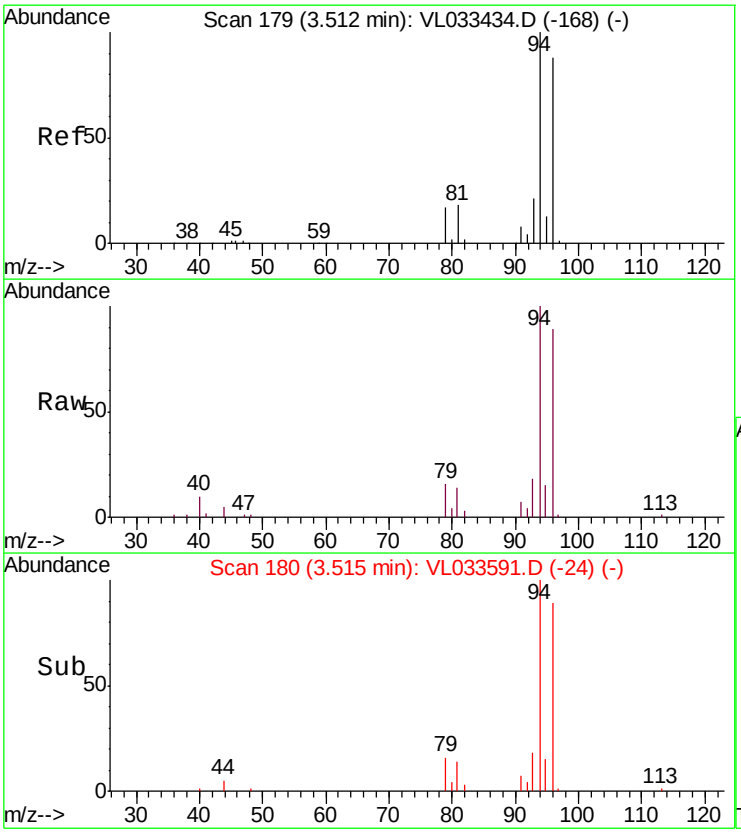
#5
Vinyl Chloride
Concen: 1.137 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 62 Resp: 56272

Ion	Ratio	Lower	Upper
62	100		
64	27.0	24.9	37.3

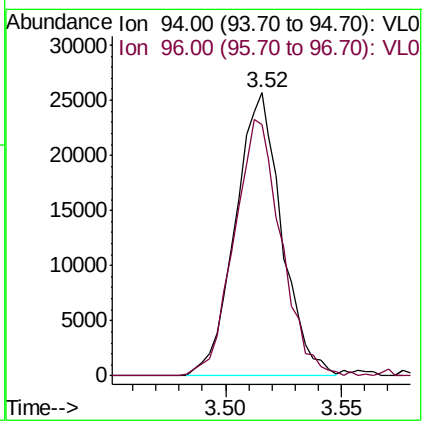


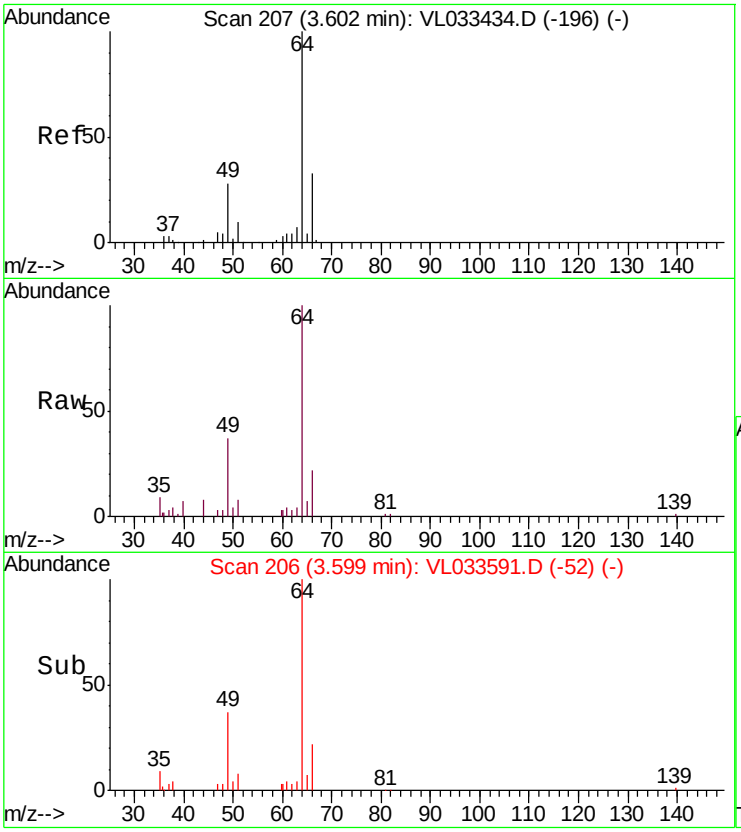


#6
Bromomethane
Concen: 1.123 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 94 Resp: 35702

Ion	Ratio	Lower	Upper
94	100		
96	87.9	70.2	105.2



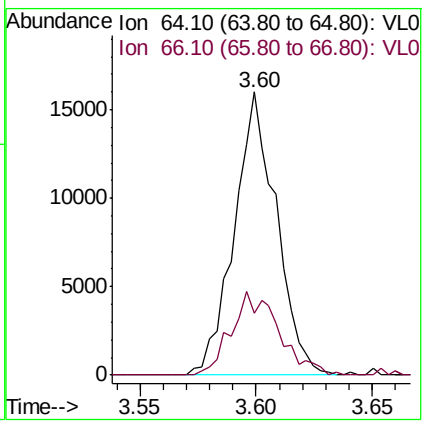


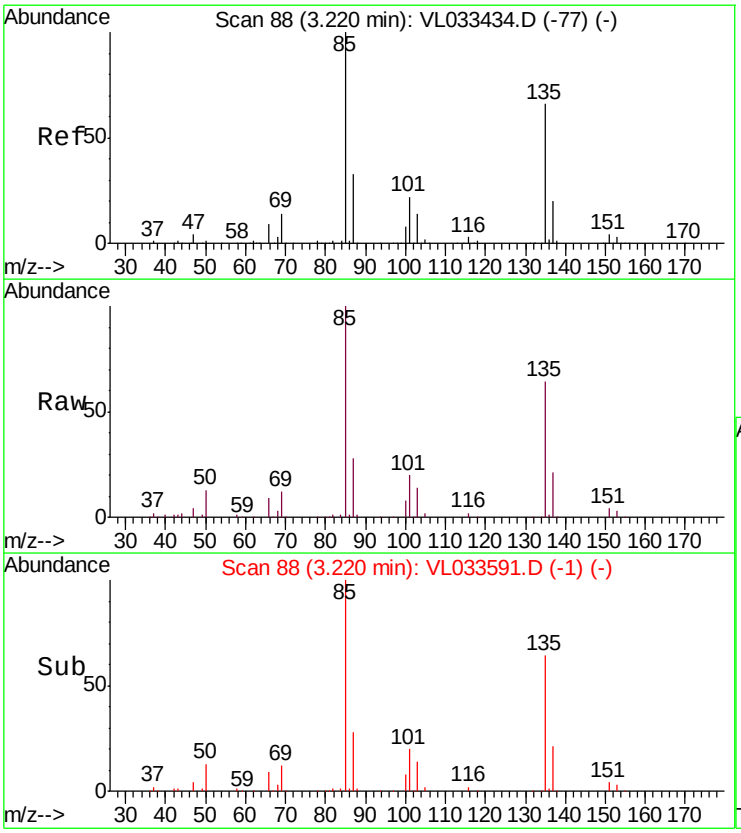
#7
Chloroethane
Concen: 1.092 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 64 Resp: 20116

Ion	Ratio	Lower	Upper
64	100		
66	22.0	26.7	40.1#

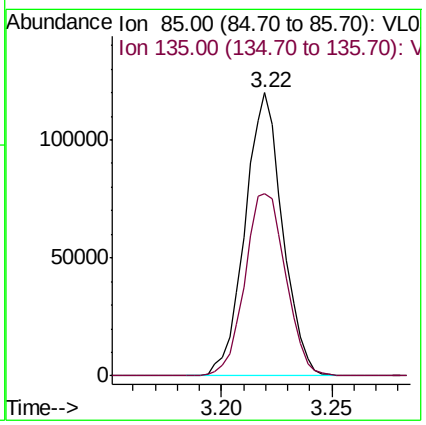


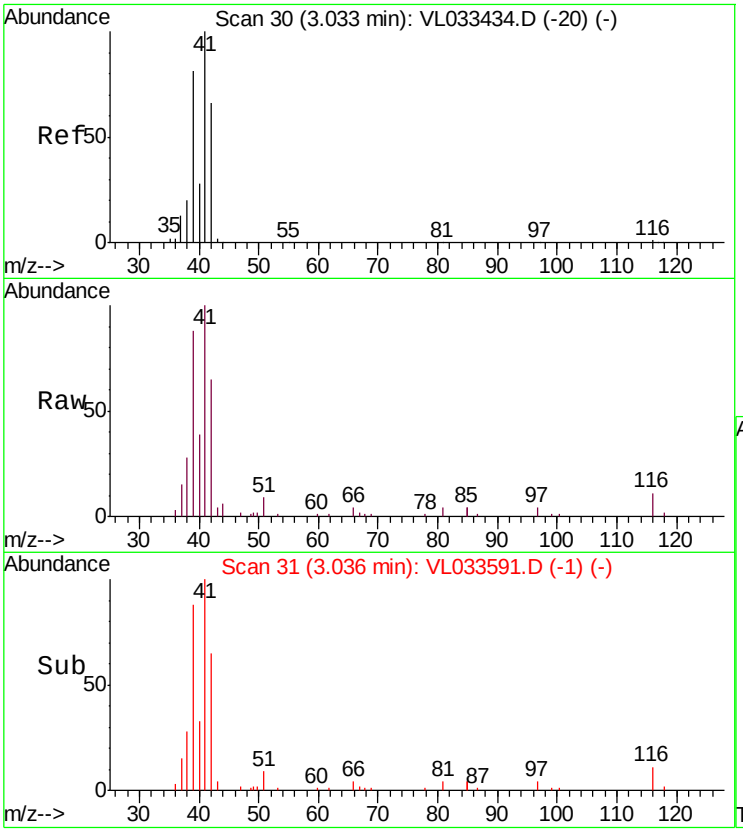


#8
Dichlorotetrafluoroethane
Concen: 1.102 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 85 Resp: 141604

Ion	Ratio	Lower	Upper
85	100		
135	70.1	54.0	81.0



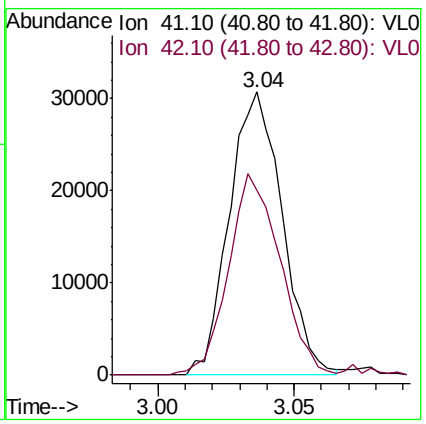


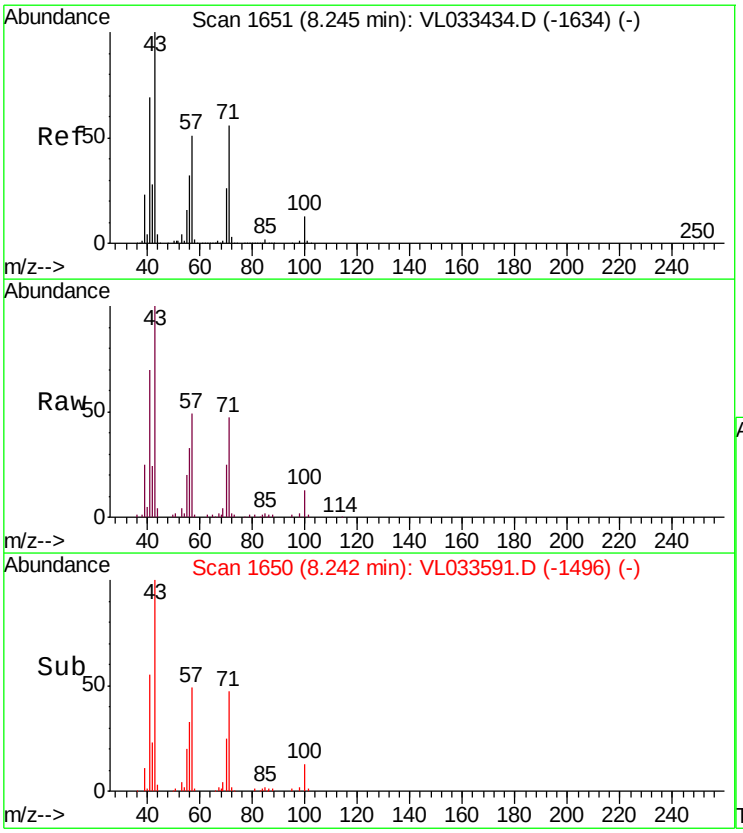
#9
Propene
Concen: 1.034 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 41 Resp: 41337

Ion	Ratio	Lower	Upper
41	100		
42	71.1	53.9	80.9

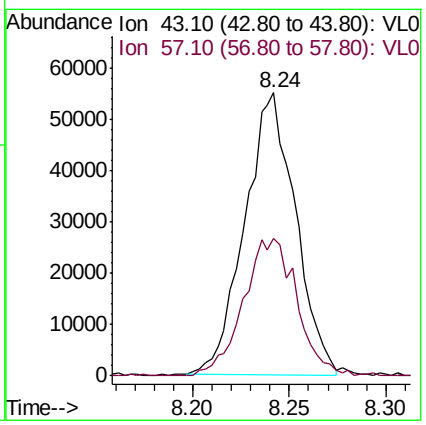


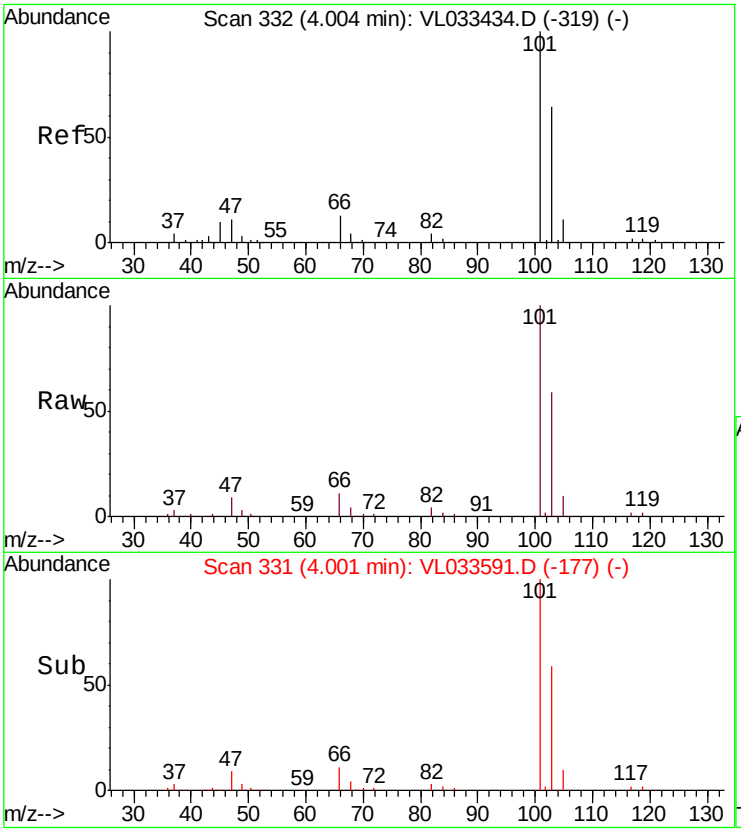


#10
Heptane
Concen: 0.938 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 43 Resp: 100179

Ion	Ratio	Lower	Upper
43	100		
57	51.6	40.6	60.8



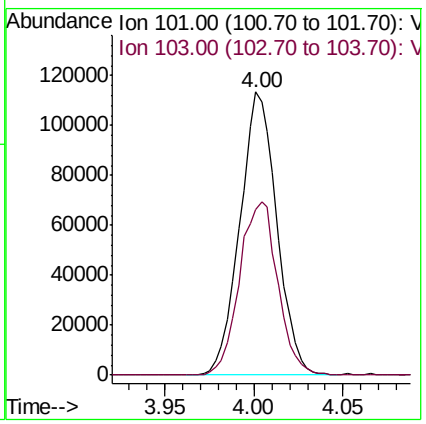


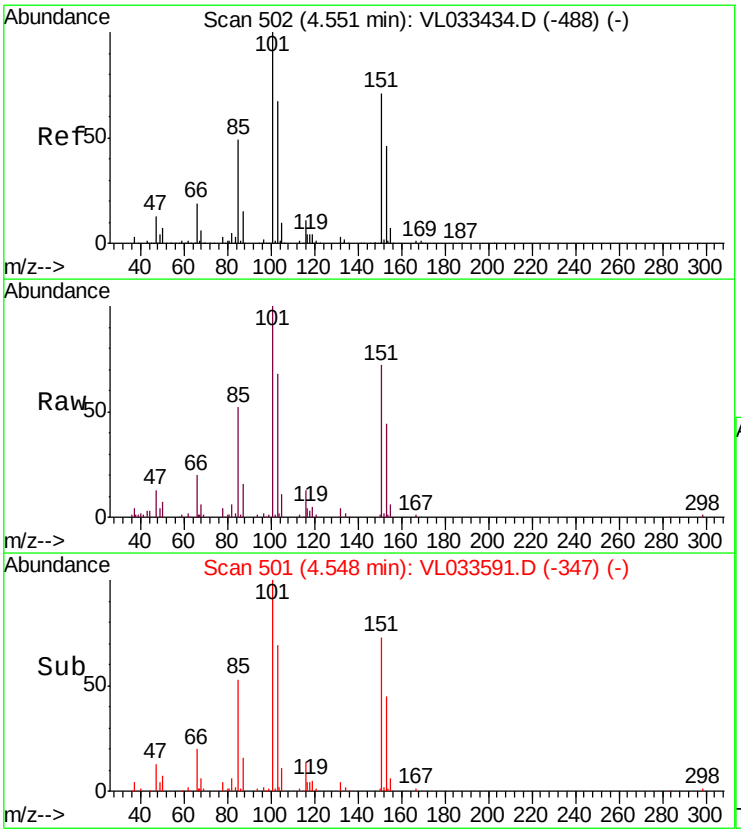
#11
Trichlorofluoromethane
Concen: 1.105 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:101 Resp: 164284

Ion	Ratio	Lower	Upper
101	100		
103	58.6	51.3	76.9

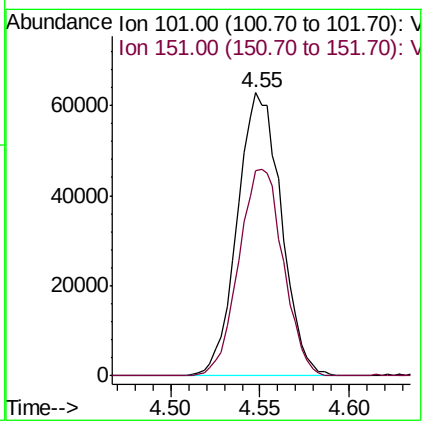


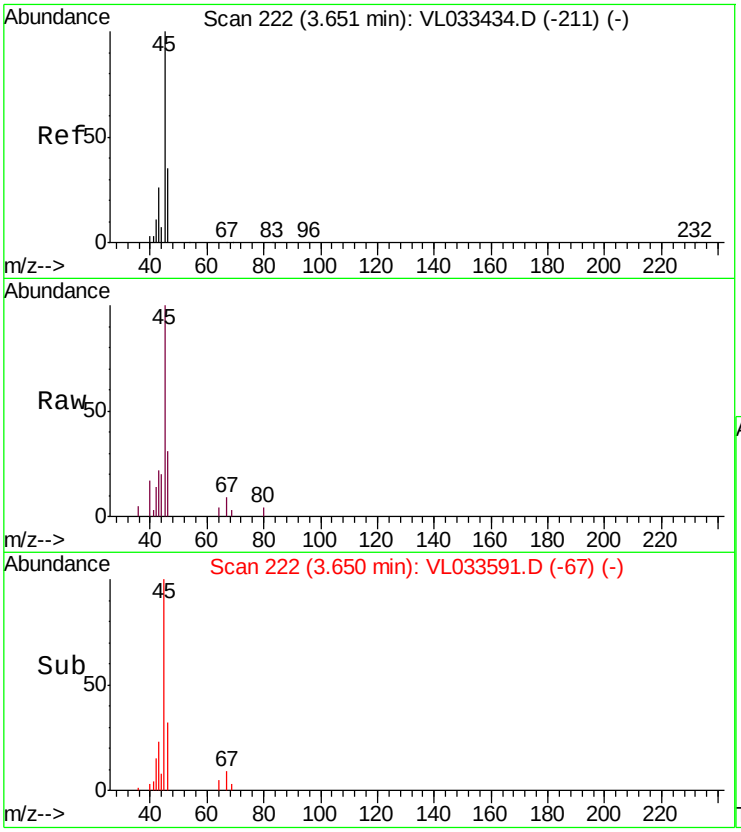


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.085 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:101 Resp: 108327

Ion	Ratio	Lower	Upper
101	100		
151	73.8	57.7	86.5



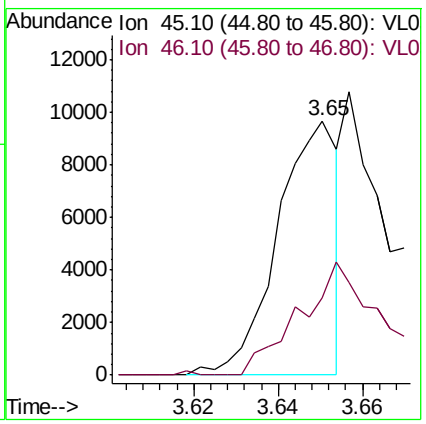


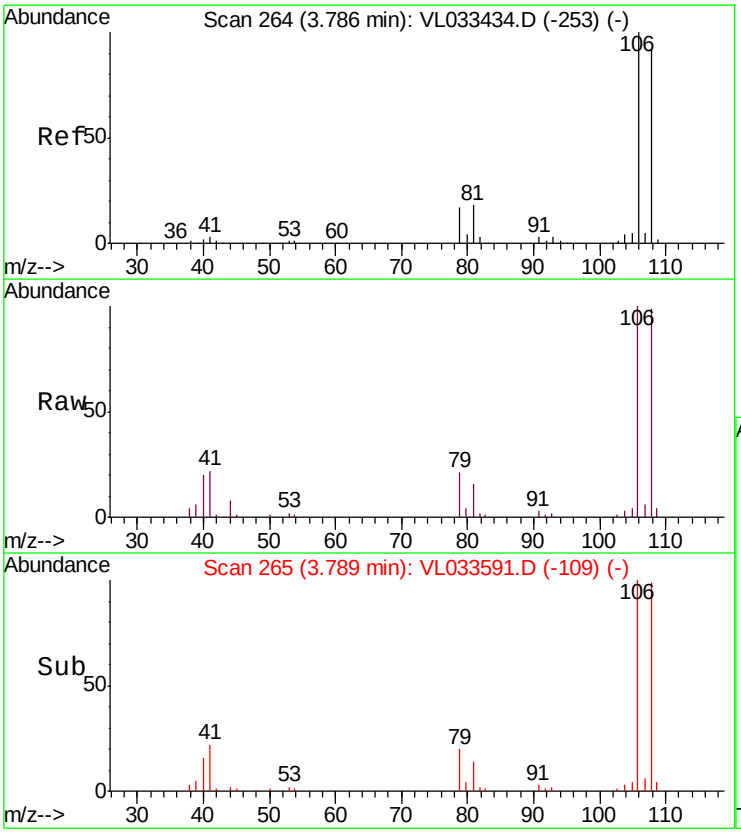
#13
Ethanol
Concen: 0.923 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 45 Resp: 9548

Ion	Ratio	Lower	Upper
45	100		
46	0.0	25.4	101.8#

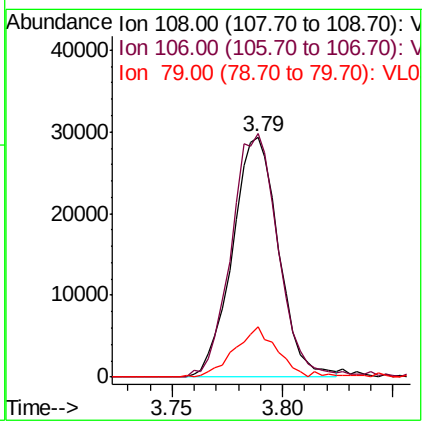


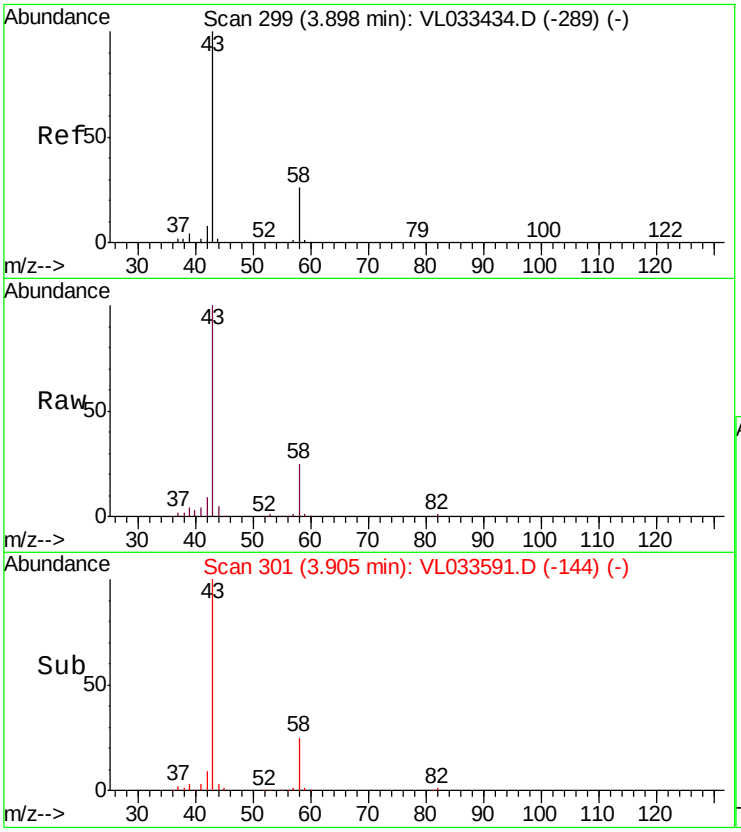


#14
Bromoethene
Concen: 1.074 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:108 Resp: 42746

Ion	Ratio	Lower	Upper
108	100		
106	104.5	86.4	129.6
79	20.3	15.8	23.8



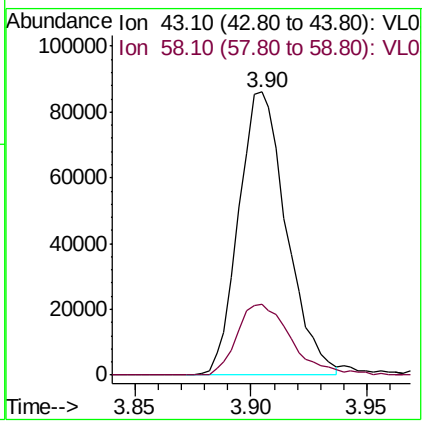


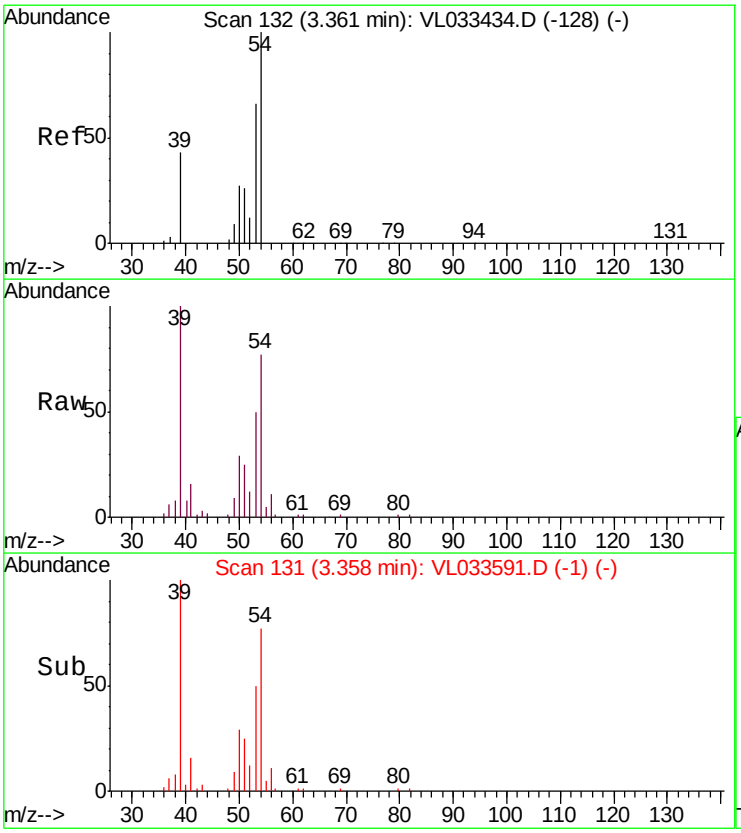
#15
Acetone
Concen: 1.246 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 43 Resp: 123854

Ion	Ratio	Lower	Upper
43	100		
58	28.3	20.5	30.7

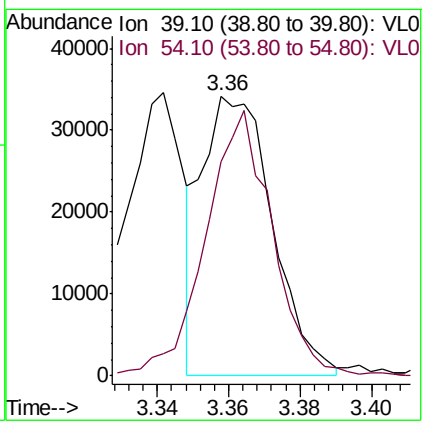


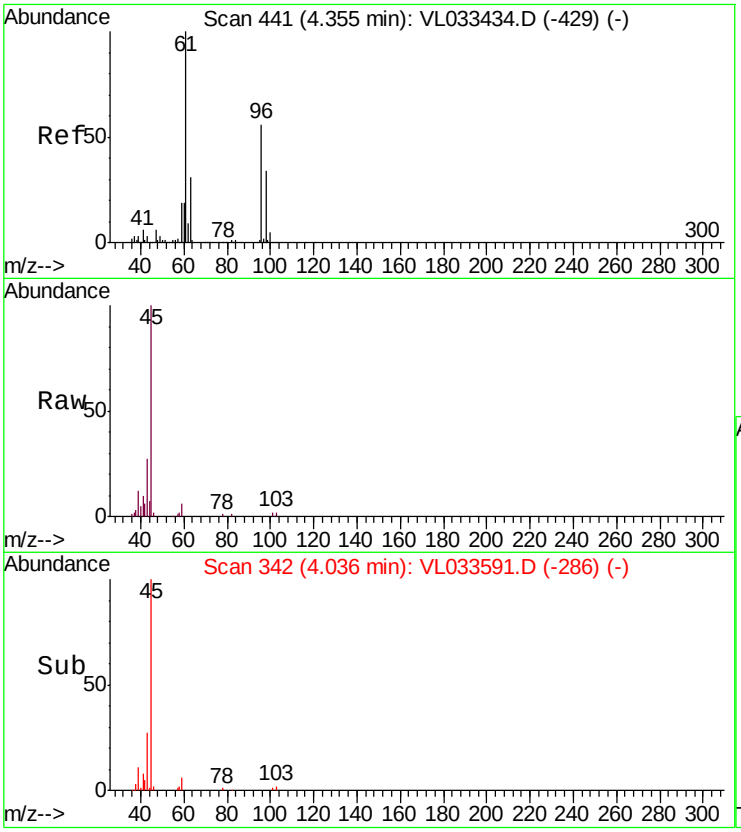


#16
1,3-Butadiene
Concen: 1.180 ppbv
RT: 3.36 min Scan# 131
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 39 Resp: 46541

Ion	Ratio	Lower	Upper
39	100		
54	90.7	69.4	104.2



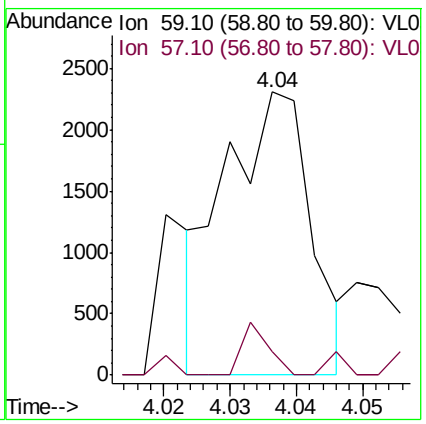


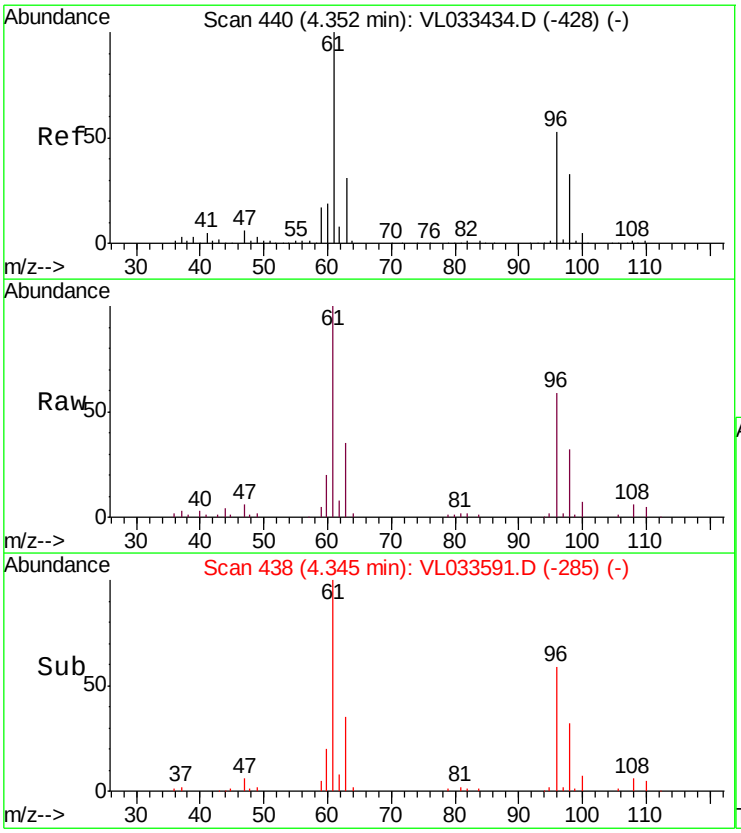
#17
tert-Butyl alcohol
Concen: 0.114 ppbv
RT: 4.04 min Scan# 342
Delta R.T. -0.32 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 59 Resp: 2079

Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.8	11.8

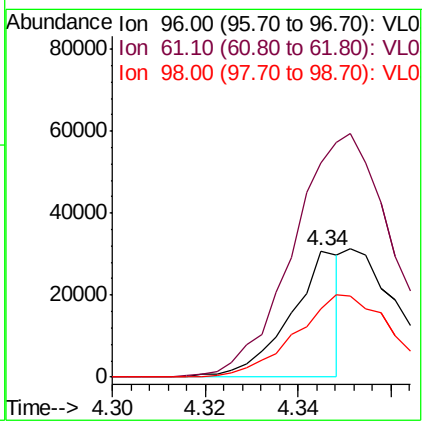


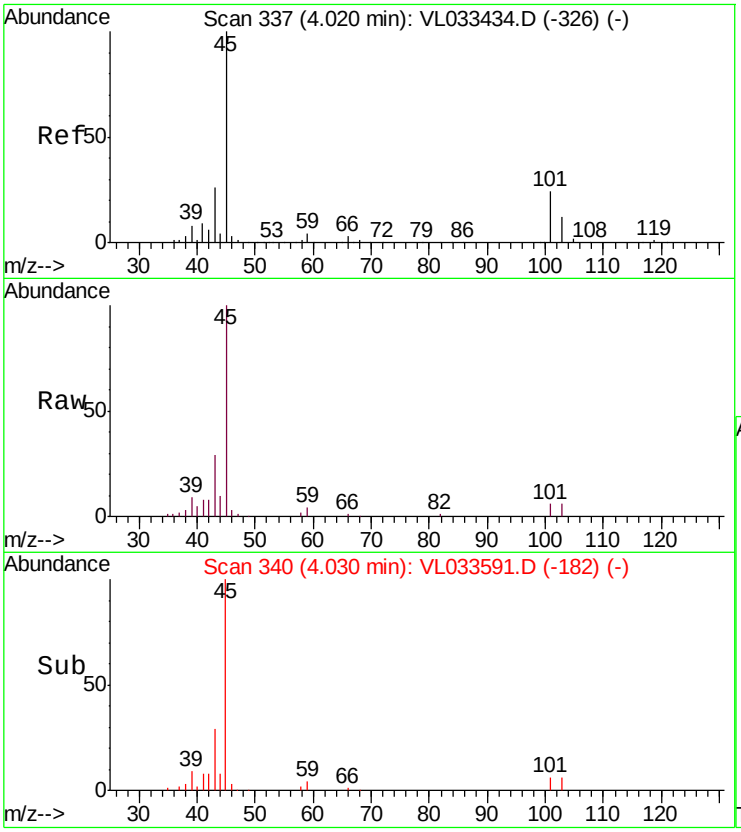


#18
1,1-Dichloroethene
Concen: 0.536 ppbv
RT: 4.34 min Scan# 438
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 96 Resp: 22970

Ion	Ratio	Lower	Upper
96	100		
61	168.1	149.8	224.6
98	55.4	48.7	73.1



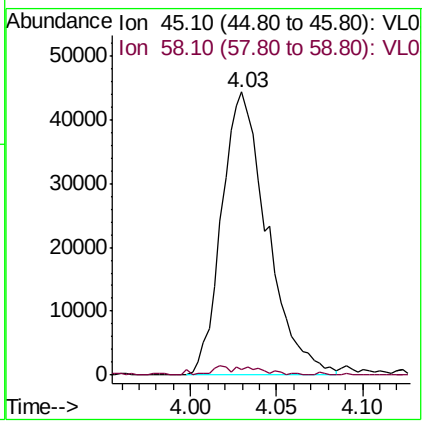


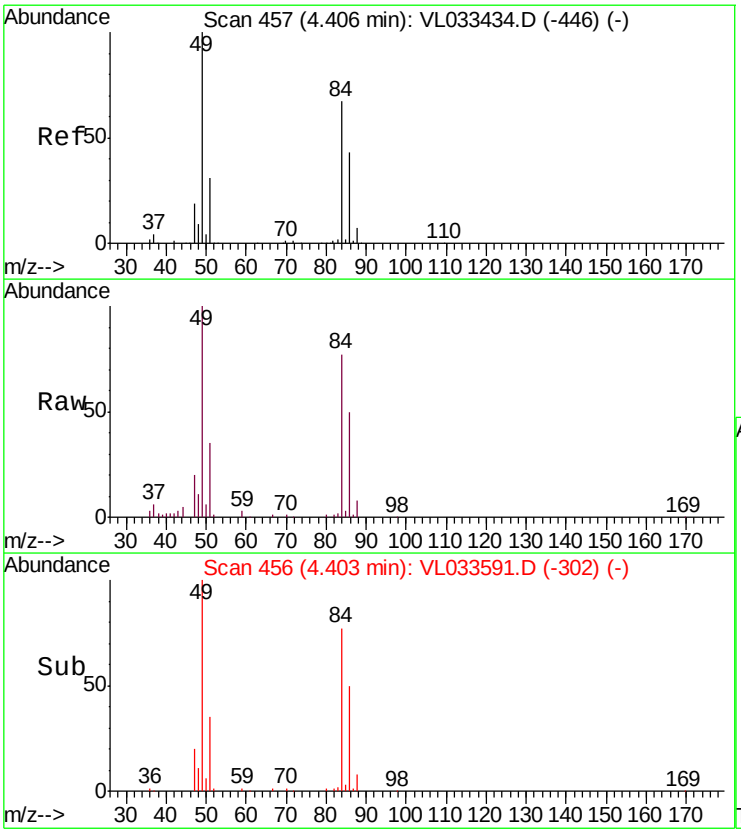
#19
Isopropyl Alcohol
Concen: 1.303 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 45 Resp: 81905

Ion	Ratio	Lower	Upper
45	100		
58	3.2	1.4	2.2#

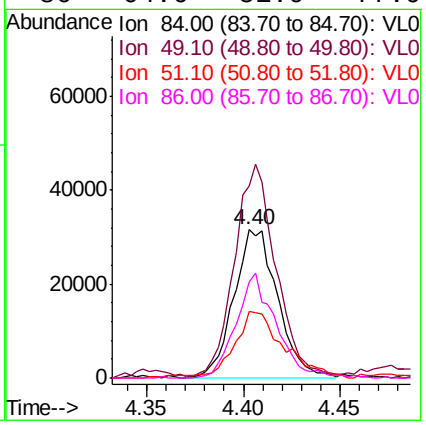


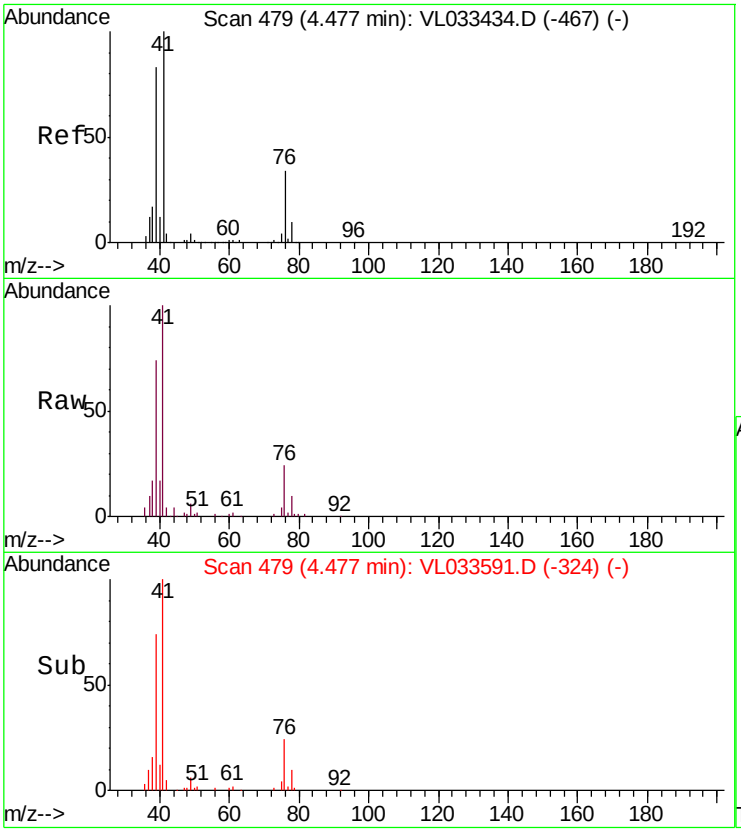


#20
Methylene Chloride
Concen: 1.182 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 84 Resp: 49894

Ion	Ratio	Lower	Upper
84	100		
49	126.8	120.0	180.0
51	42.5	36.7	55.1
86	64.6	51.9	77.9



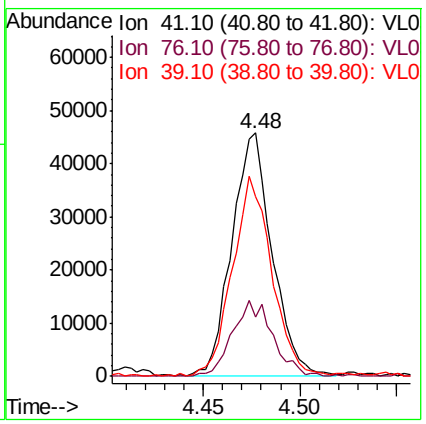


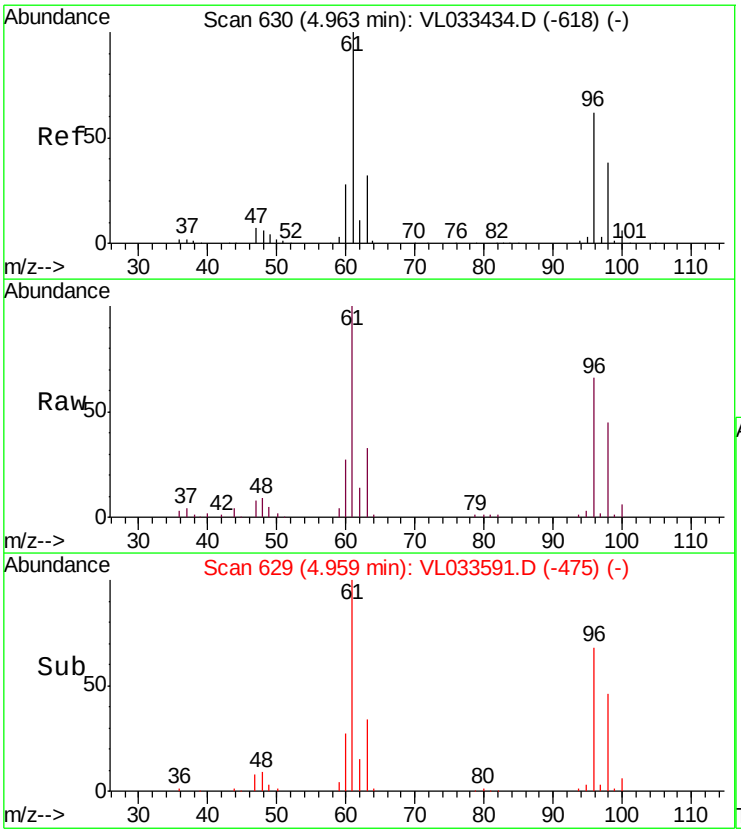
#21
Allyl Chloride
Concen: 1.055 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 41 Resp: 66274

Ion	Ratio	Lower	Upper
41	100		
76	31.1	25.4	38.2
39	82.6	65.3	97.9

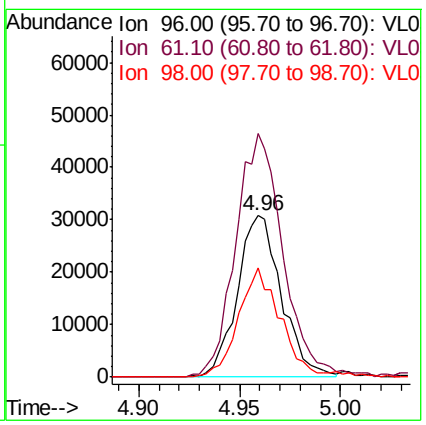


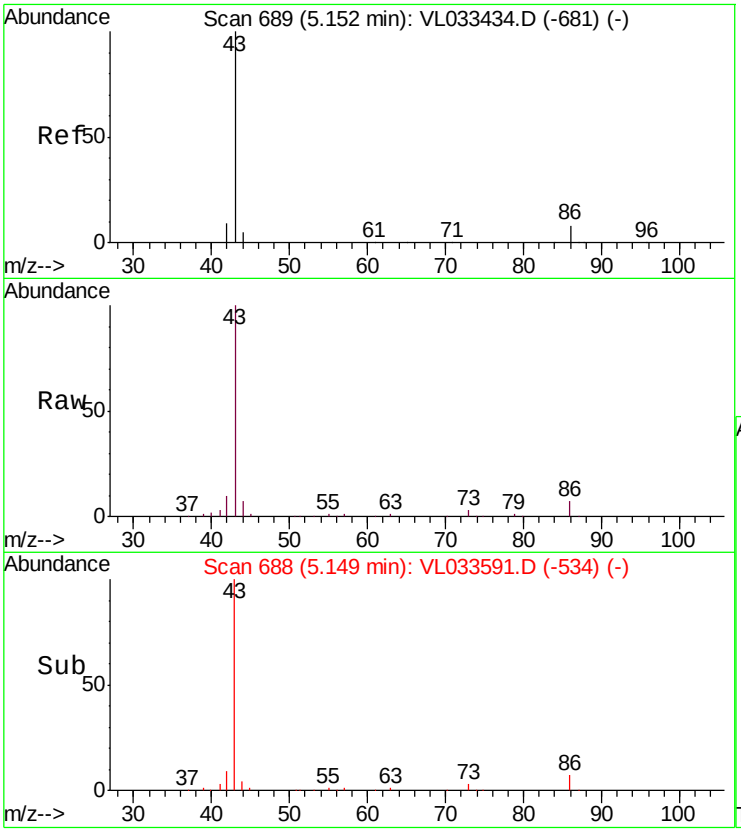


#22
trans-1,2-Dichloroethene
Concen: 1.059 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 96 Resp: 47358

Ion	Ratio	Lower	Upper
96	100		
61	150.7	128.9	193.3
98	67.5	49.5	74.3



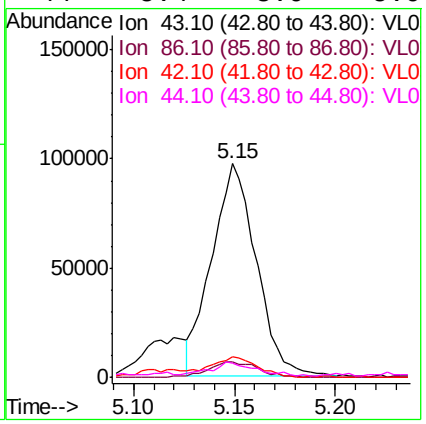


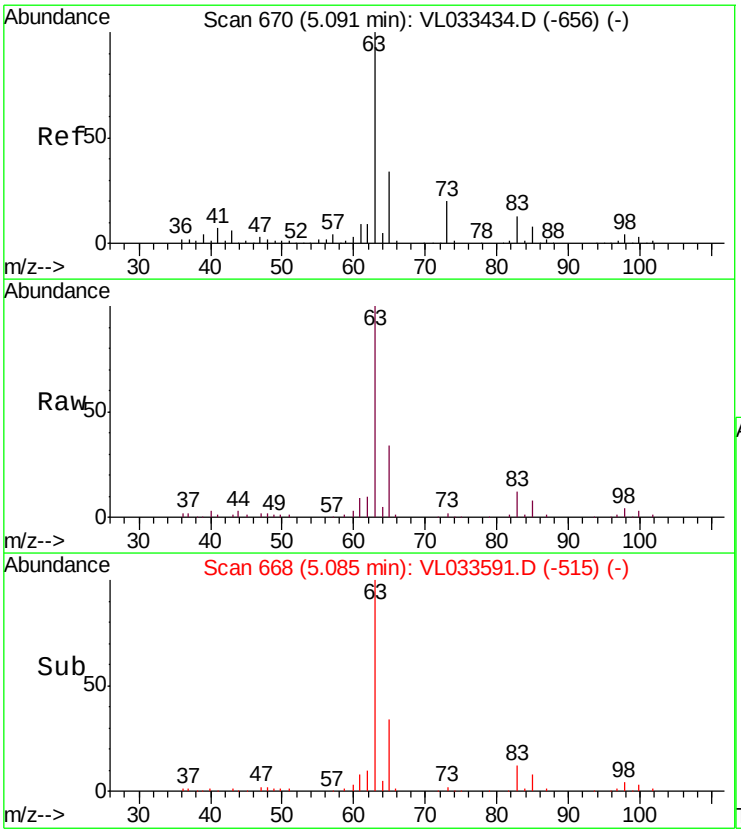
#23
Vinyl Acetate
Concen: 1.059 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 43 Resp: 149877

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.6	8.4
42	9.6	8.0	12.0
44	5.4	3.9	5.9

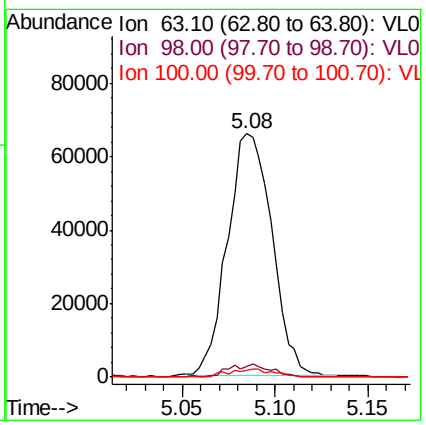


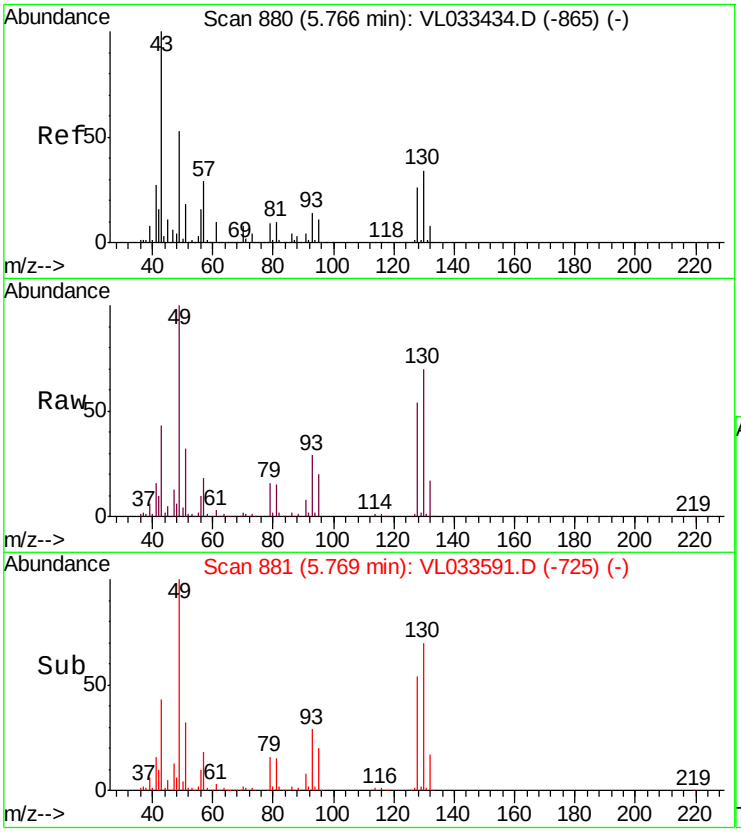


#24
1,1-Dichloroethane
Concen: 1.024 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 63 Resp: 110029

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.2	6.6
100	2.6	1.5	4.4



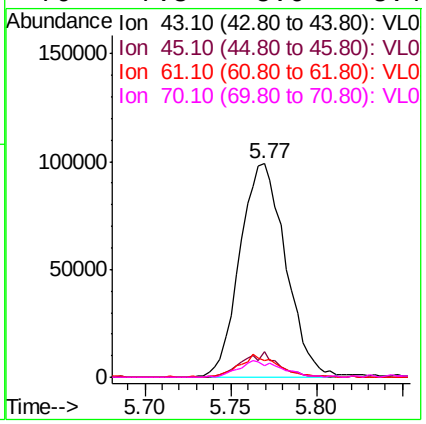


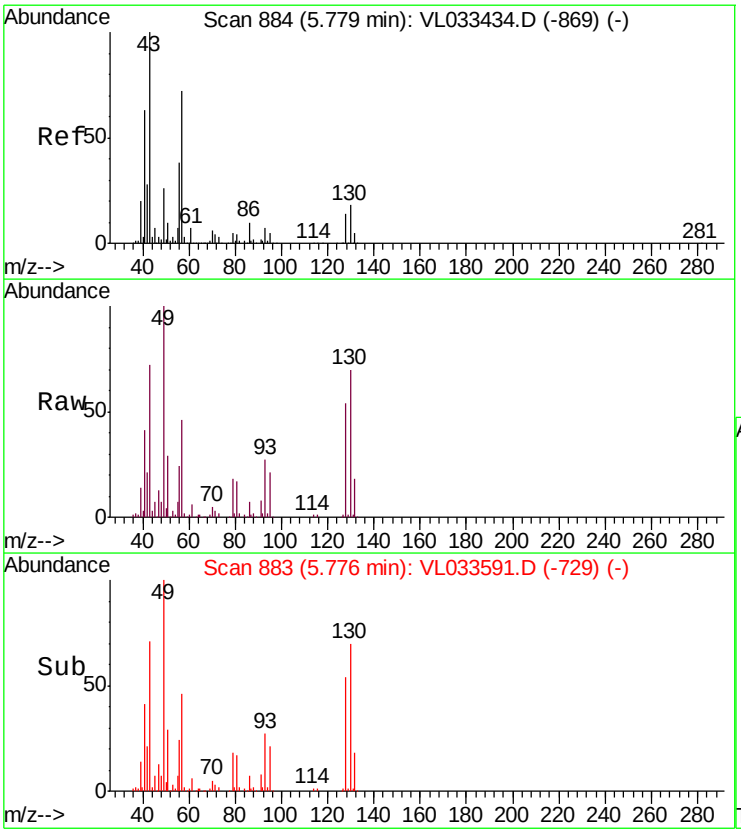
#25
Ethyl Acetate
Concen: 0.988 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 43 Resp: 182248

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.4	7.3	10.9
70	7.3	5.6	8.4

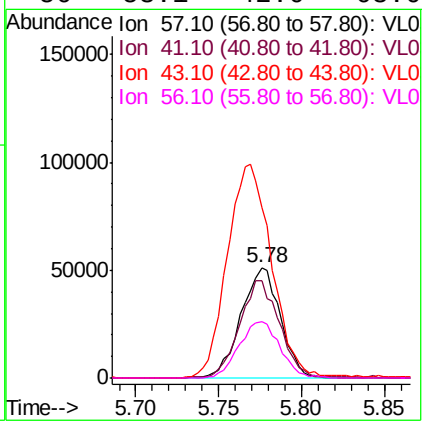


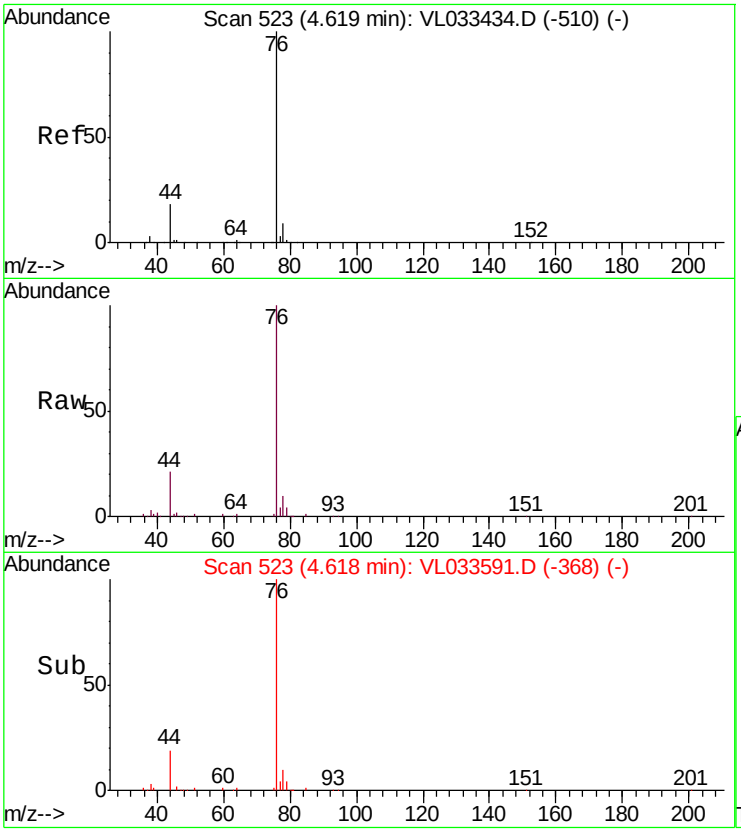


#26
Hexane
Concen: 1.029 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 57 Resp: 84378

Ion	Ratio	Lower	Upper
57	100		
41	90.9	70.7	106.1
43	222.1	182.6	274.0
56	53.1	42.0	63.0



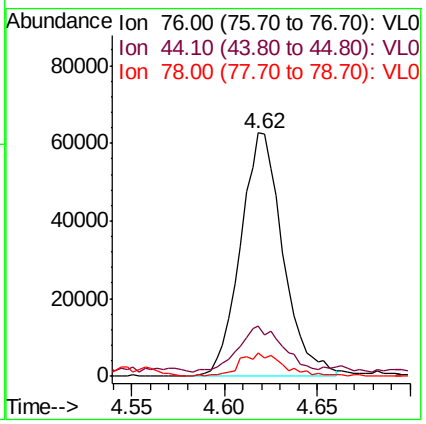


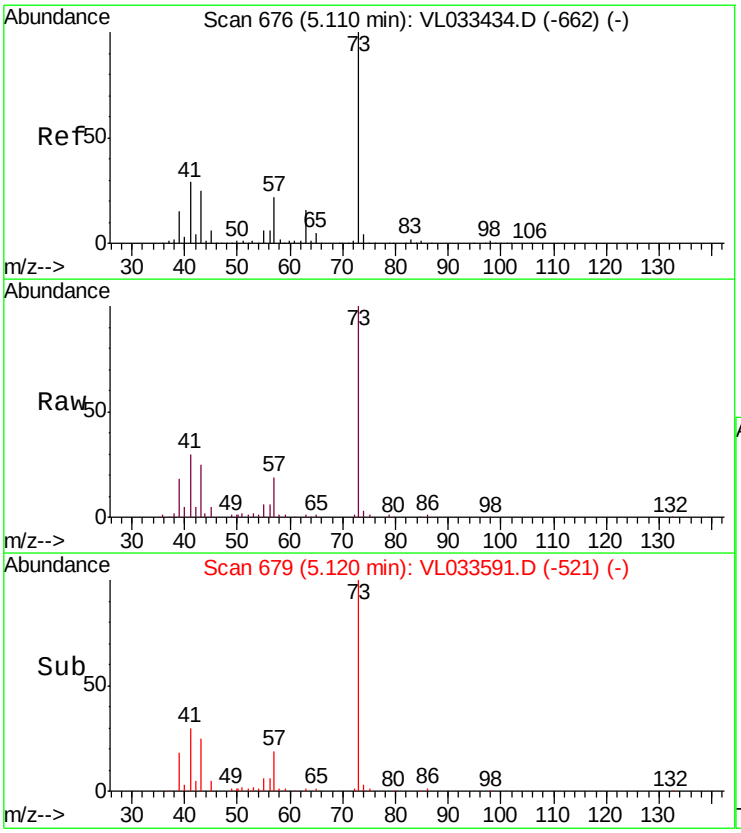
#27
Carbon Disulfide
Concen: 1.022 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 76 Resp: 99657

Ion	Ratio	Lower	Upper
76	100		
44	22.5	14.8	22.2#
78	10.2	7.6	11.4

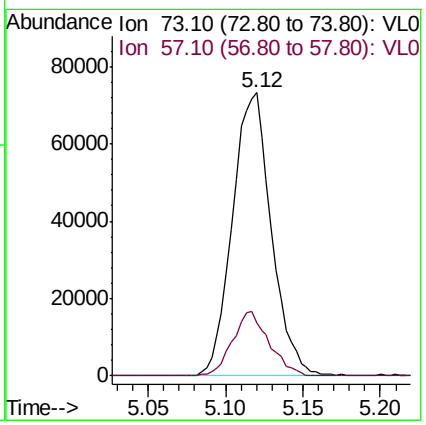


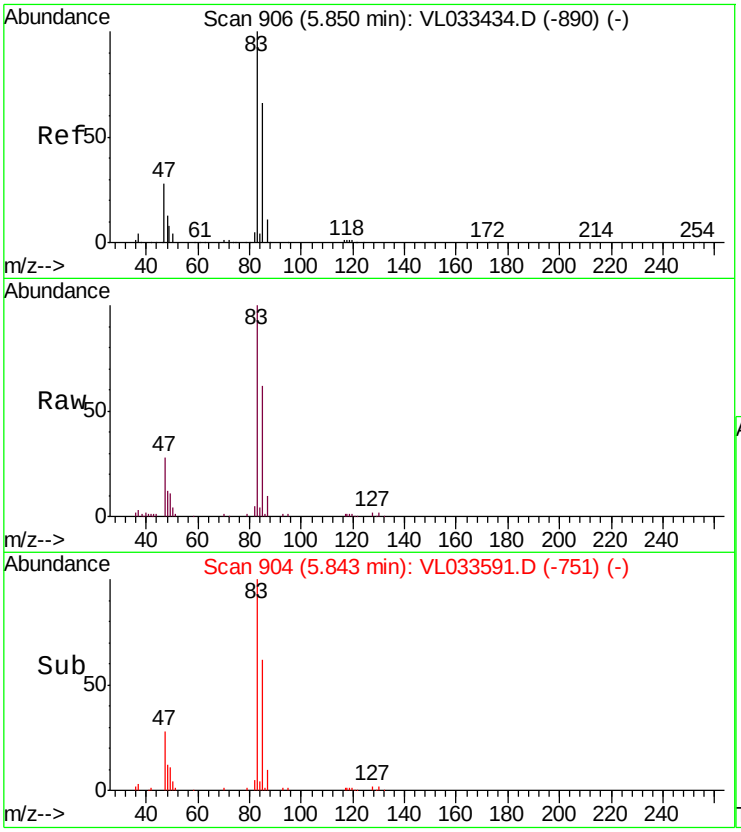


#28
Methyl tert-Butyl Ether
Concen: 1.082 ppbv
RT: 5.12 min Scan# 679
Delta R.T. 0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 73 Resp: 127772

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.2



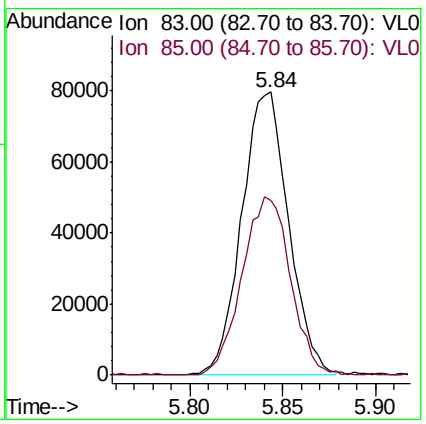


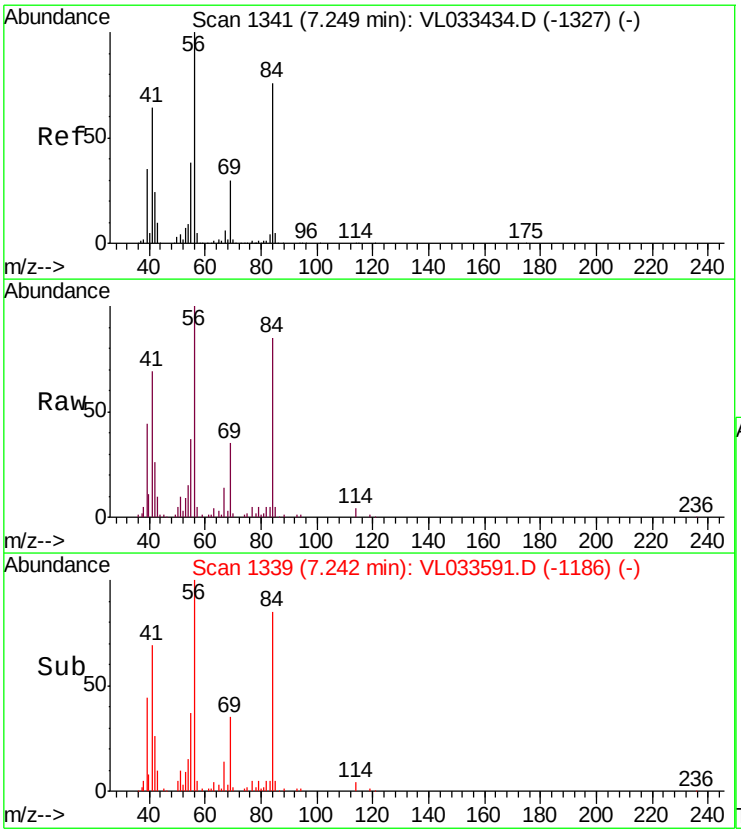
#29
Chloroform
Concen: 0.995 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 83 Resp: 139895

Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.6	79.0

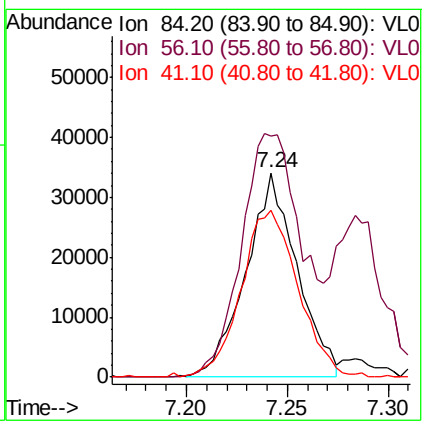


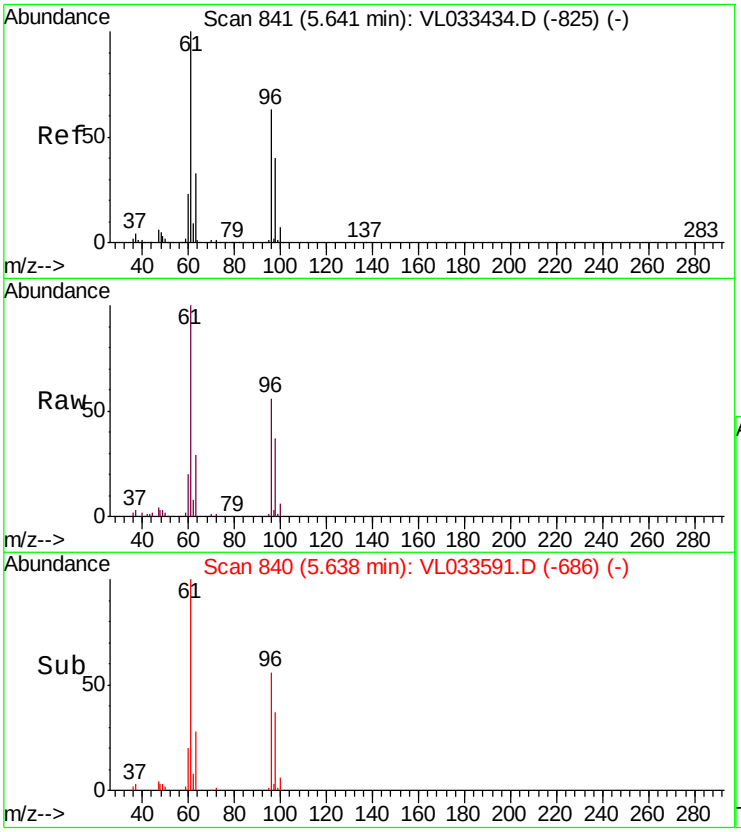


#30
Cyclohexane
Concen: 0.928 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 84 Resp: 60203

Ion	Ratio	Lower	Upper
84	100		
56	146.7	109.7	164.5
41	91.4	68.2	102.2



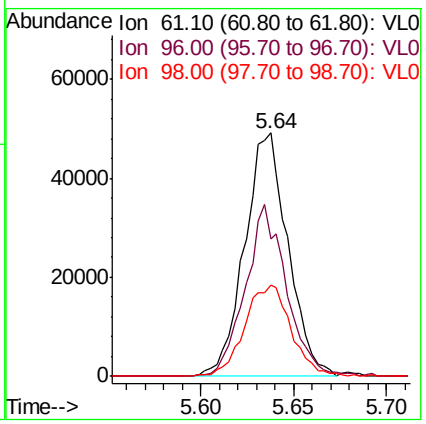


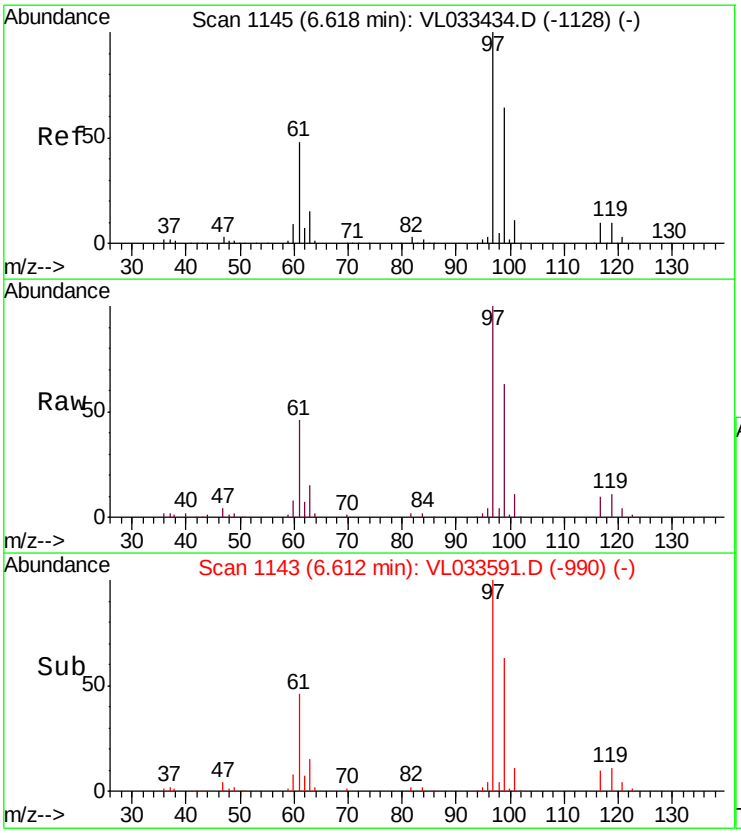
#31
cis-1,2-Dichloroethene
Concen: 0.983 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 61 Resp: 80167

Ion	Ratio	Lower	Upper
61	100		
96	56.5	50.6	76.0
98	37.5	32.2	48.2

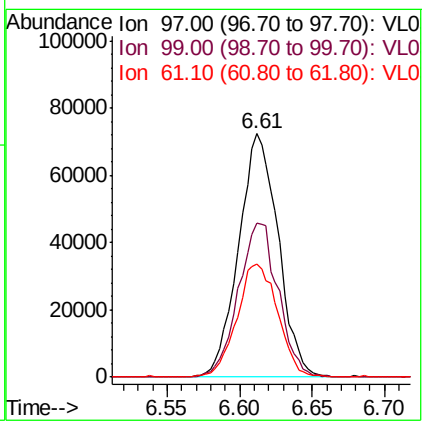


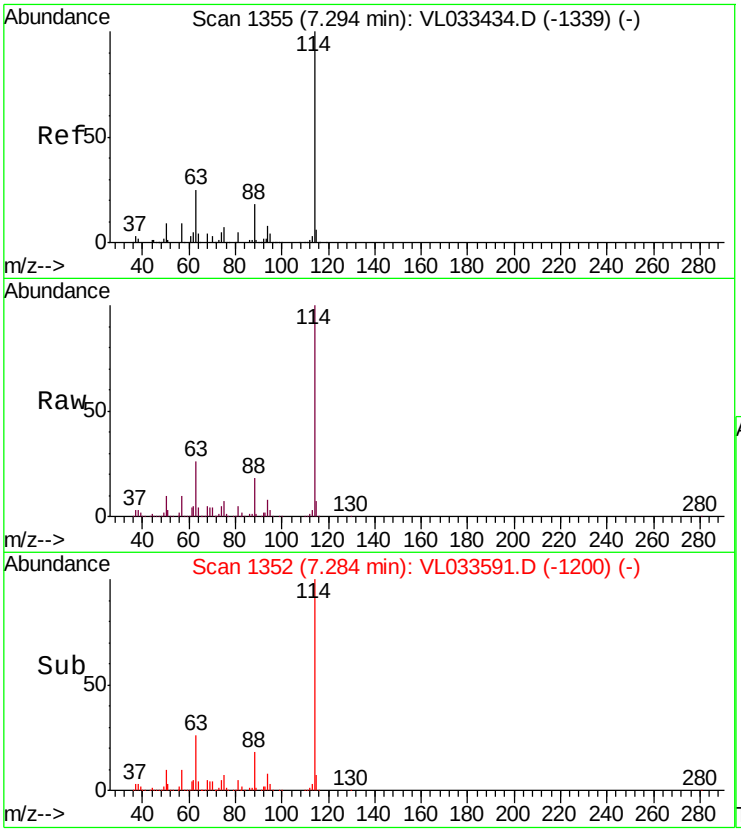


#32
1,1,1-Trichloroethane
Concen: 1.025 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 97 Resp: 137252

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	48.0	38.8	58.2



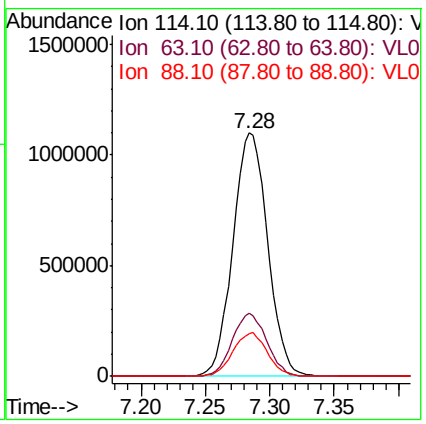


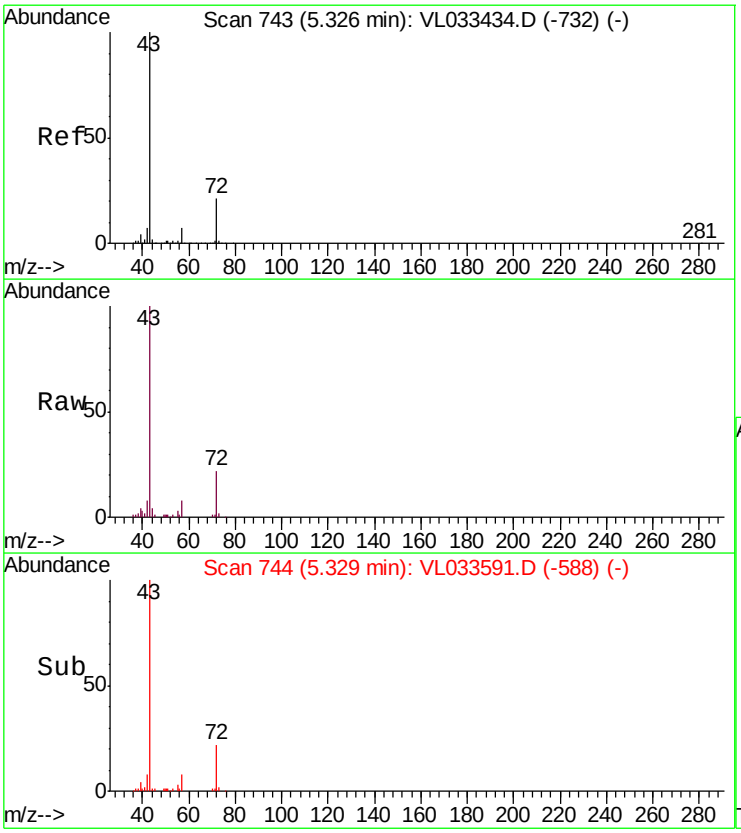
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:114 Resp: 2060549

Ion	Ratio	Lower	Upper
114	100		
63	25.8	21.5	32.3
88	17.8	14.5	21.7

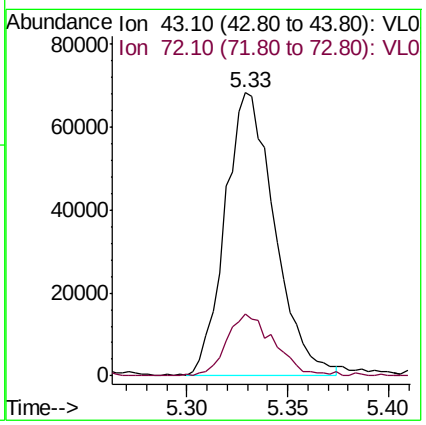


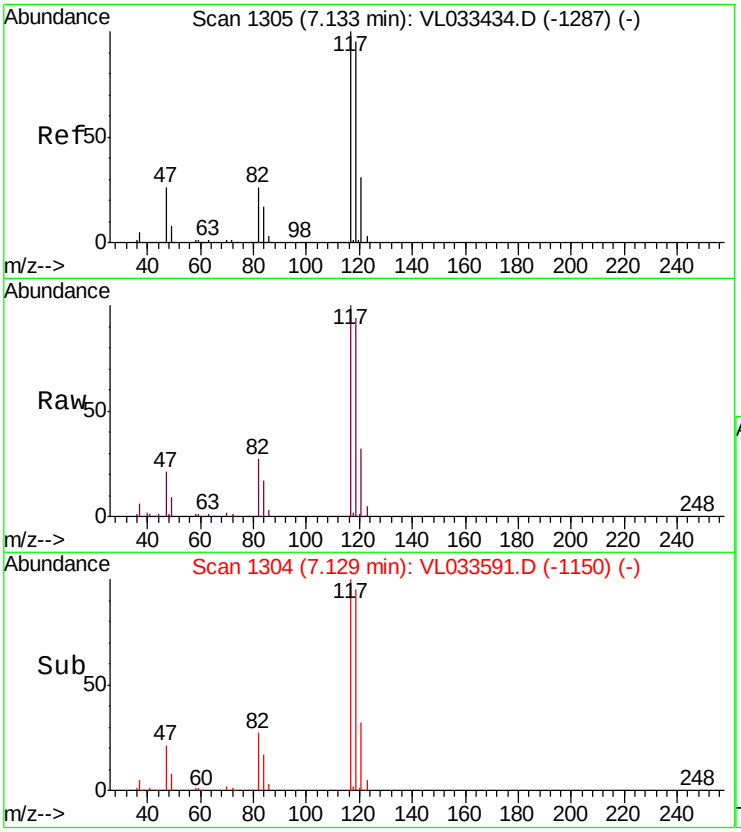


#34
2-Butanone
Concen: 0.952 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 43 Resp: 117874

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.4	26.2



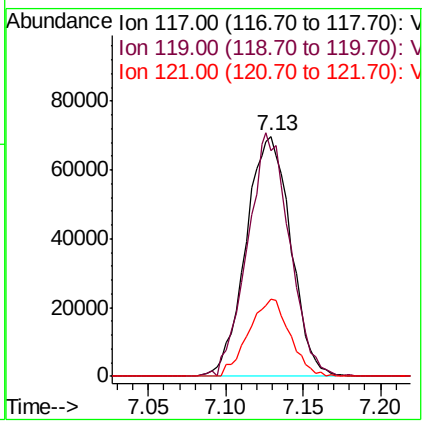


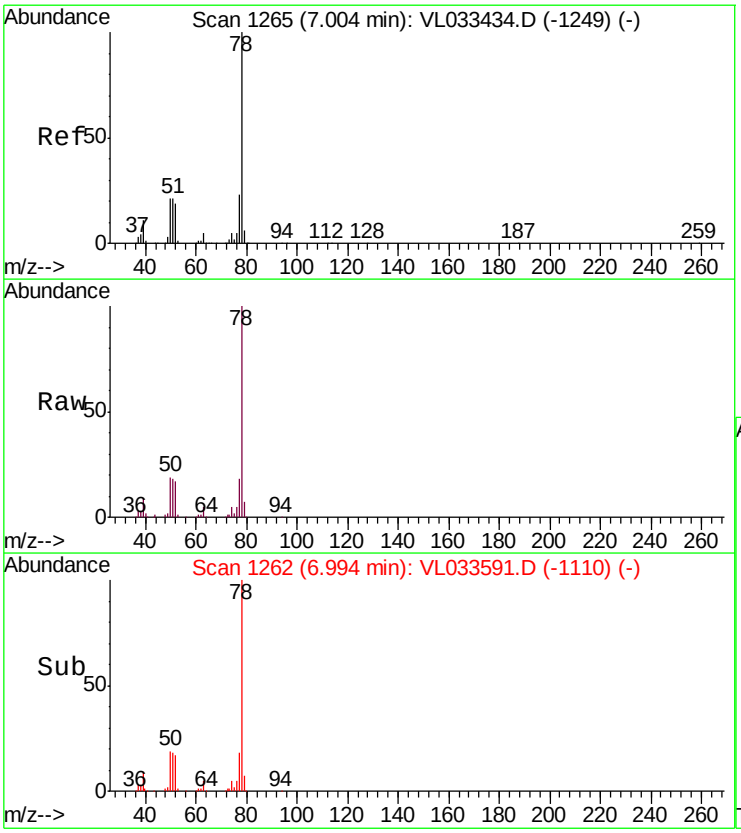
#35
Carbon Tetrachloride
Concen: 0.963 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:117 Resp: 140539

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.8	113.8
121	32.2	24.7	37.1

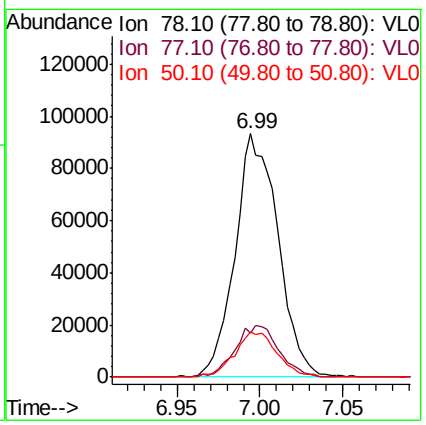


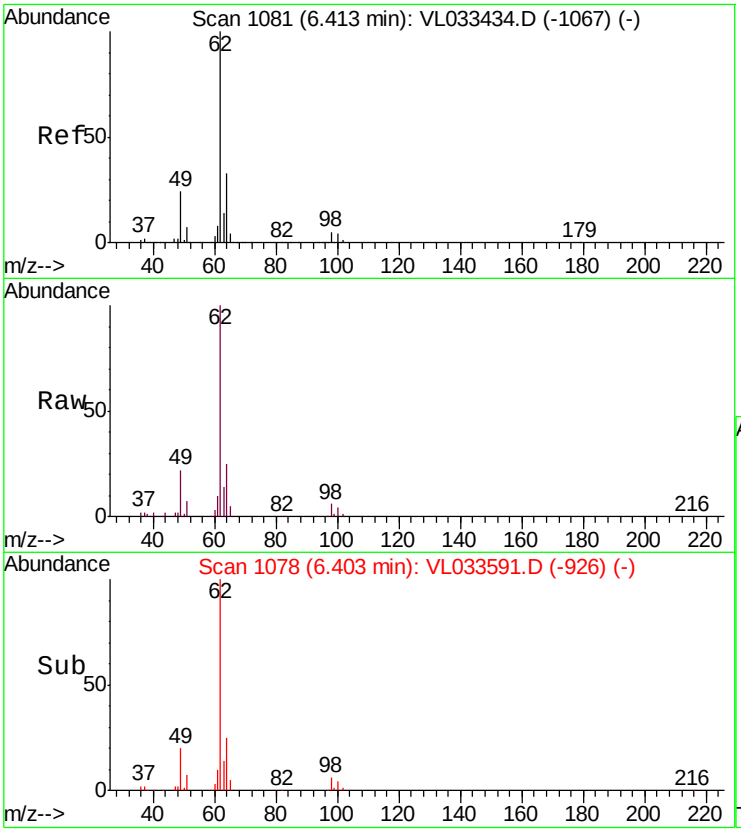


#36
Benzene
Concen: 0.968 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 78 Resp: 167289

Ion	Ratio	Lower	Upper
78	100		
77	18.3	18.1	27.1
50	18.8	16.7	25.1



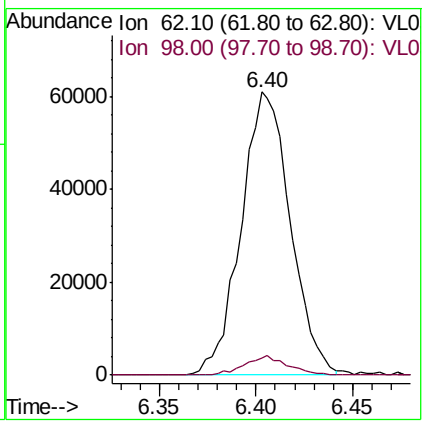


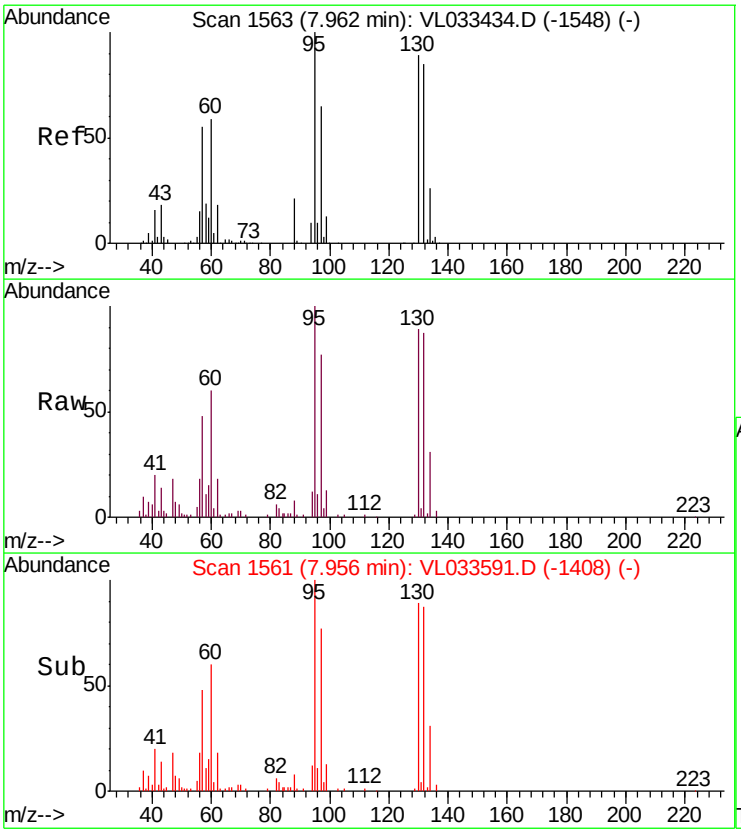
#37
1,2-Dichloroethane
Concen: 0.931 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 62 Resp: 107890

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.4	6.6

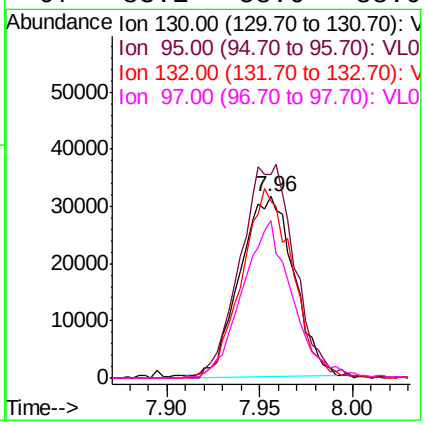


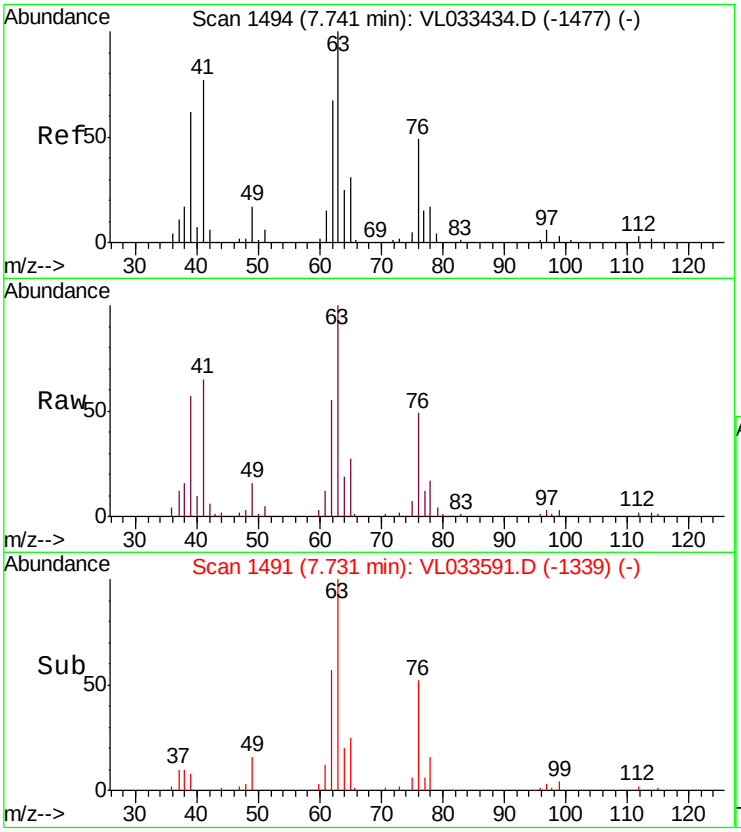


#38
Trichloroethene
Concen: 0.982 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:130 Resp: 63901

Ion	Ratio	Lower	Upper
130	100		
95	108.4	89.8	134.8
132	95.0	76.6	115.0
97	83.1	58.6	88.0



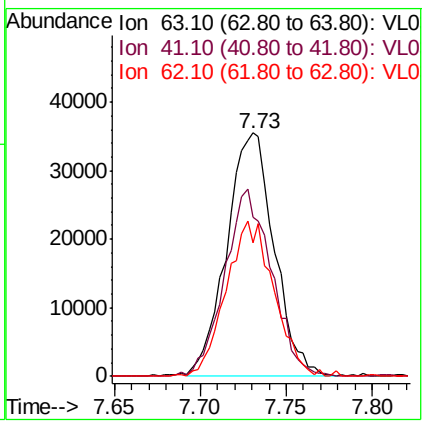


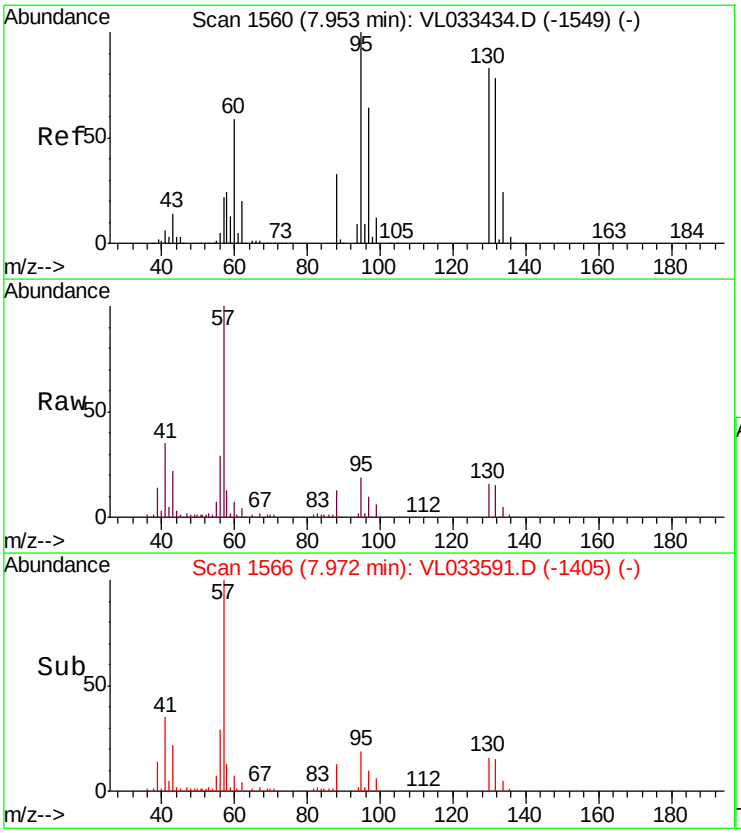
#39
1,2-Dichloropropane
Concen: 1.011 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 63 Resp: 68487

Ion	Ratio	Lower	Upper
63	100		
41	65.4	61.2	91.8
62	55.0	54.0	81.0

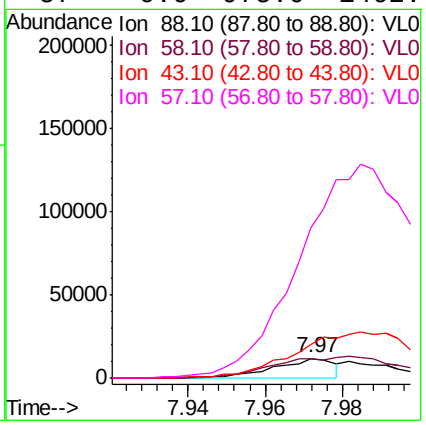


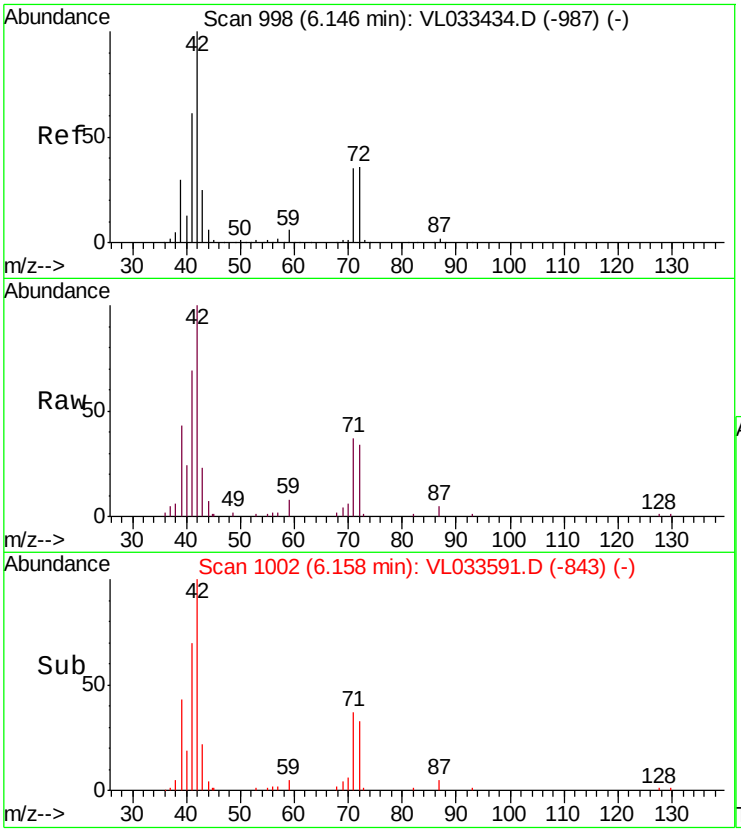


#40
1,4-Dioxane
Concen: 0.517 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. 0.02 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 88 Resp: 12485

Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.6	158.4#
43	0.0	216.7	325.1#
57	0.0	975.0	1462.4#



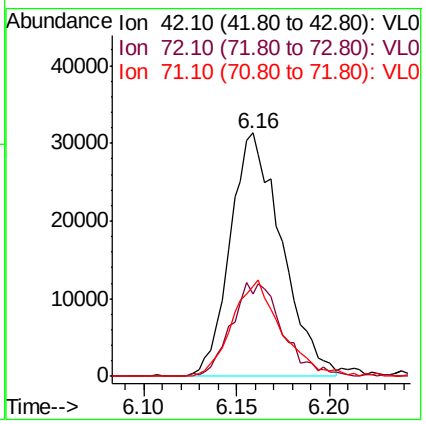


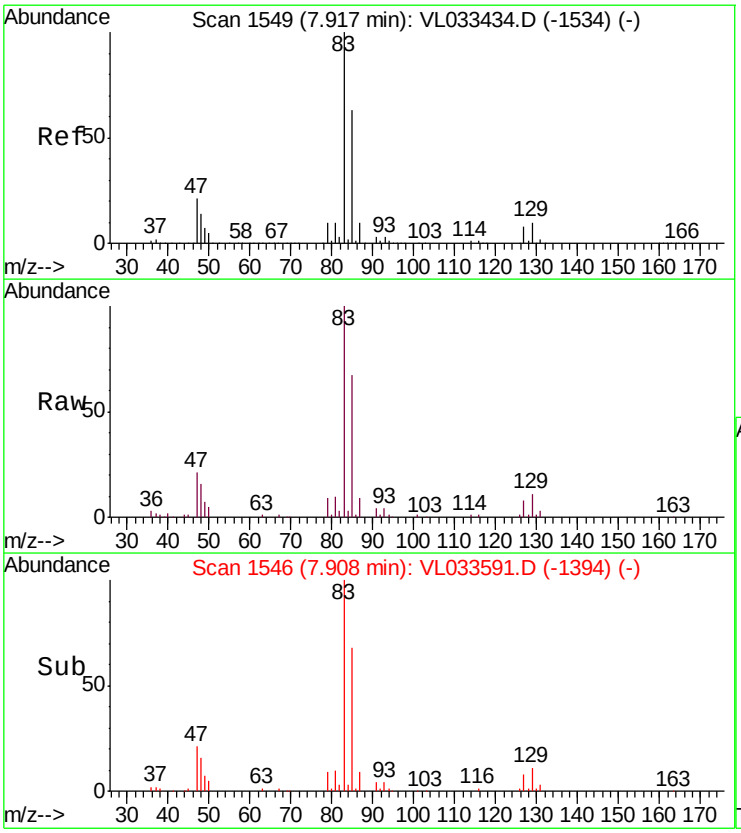
#41
Tetrahydrofuran
Concen: 0.886 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 42 Resp: 60338

Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.2	45.2
71	38.3	29.4	44.2

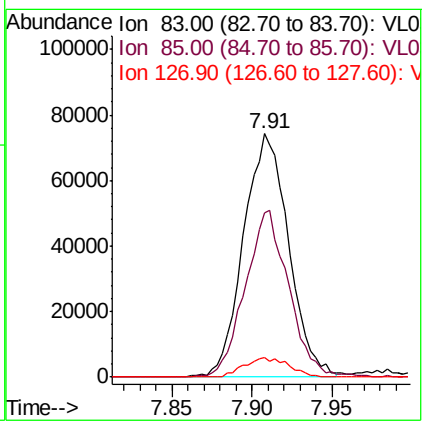


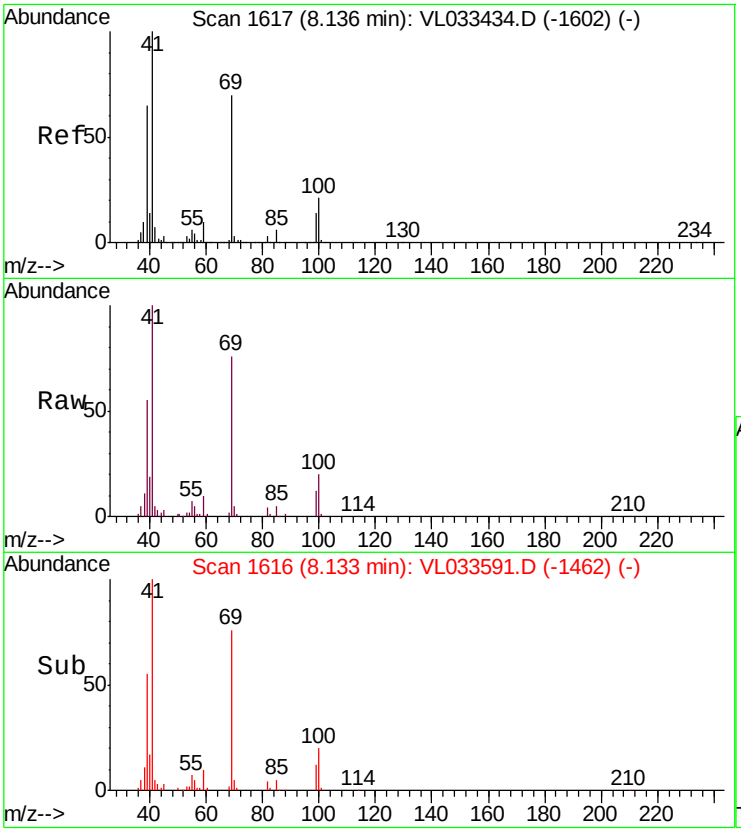


#42
Bromodichloromethane
Concen: 0.907 ppbv
RT: 7.91 min Scan# 1546
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 83 Resp: 143138

Ion	Ratio	Lower	Upper
83	100		
85	67.4	50.7	76.1
127	8.2	6.6	9.8



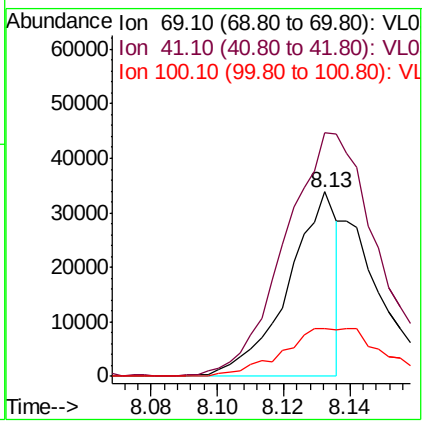


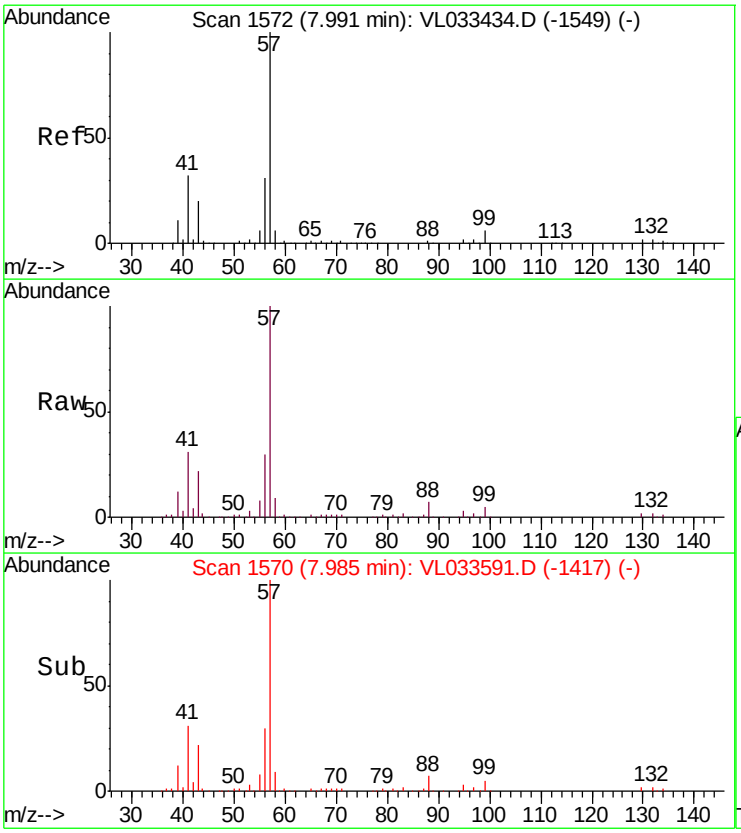
#43
Methyl Methacrylate
Concen: 0.495 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 69 Resp: 34730

Ion	Ratio	Lower	Upper
69	100		
41	249.4	116.6	174.8#
100	0.0	24.4	36.6#

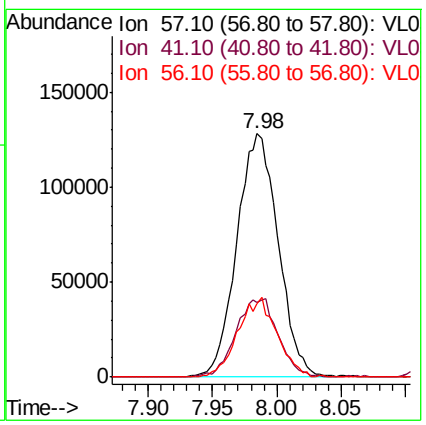


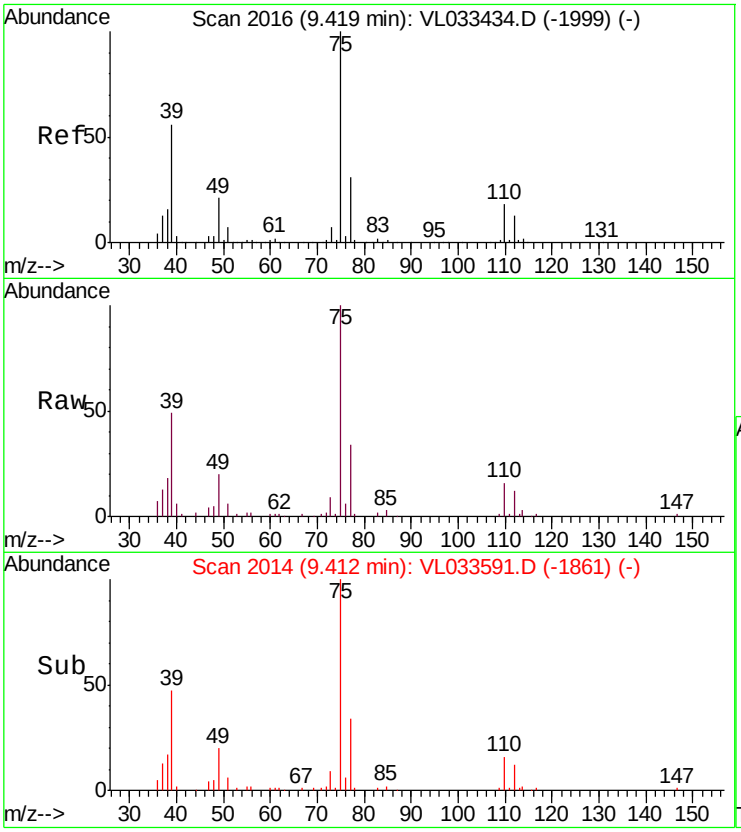


#44
2,2,4-Trimethylpentane
Concen: 0.945 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 57 Resp: 285607

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.0	39.0
56	31.0	24.6	37.0



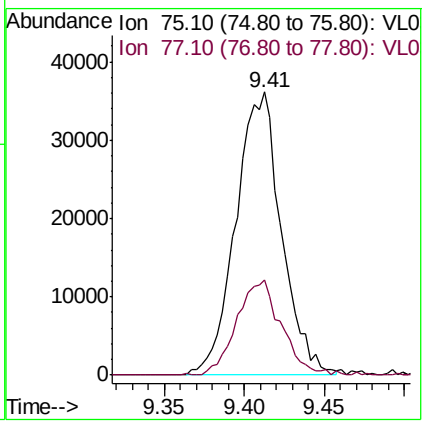


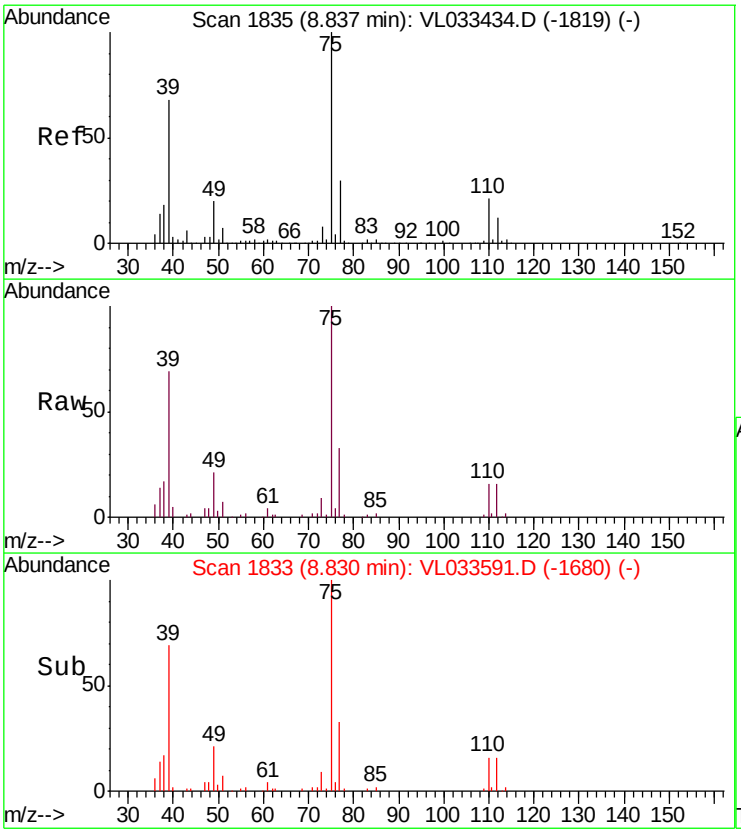
#45
t-1,3-Dichloropropene
Concen: 0.818 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 75 Resp: 70507

Ion	Ratio	Lower	Upper
75	100		
77	33.7	24.5	36.7

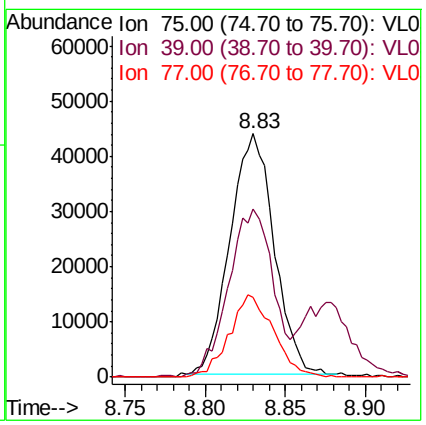


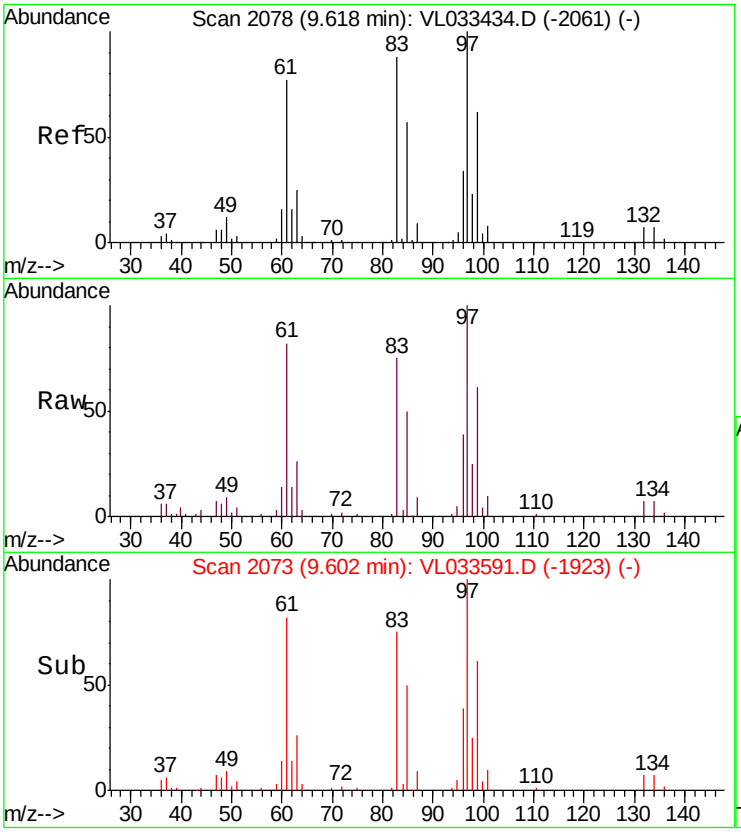


#46
cis-1,3-Dichloropropene
Concen: 0.818 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 75 Resp: 82323

Ion	Ratio	Lower	Upper
75	100		
39	68.4	54.1	81.1
77	33.2	23.9	35.9



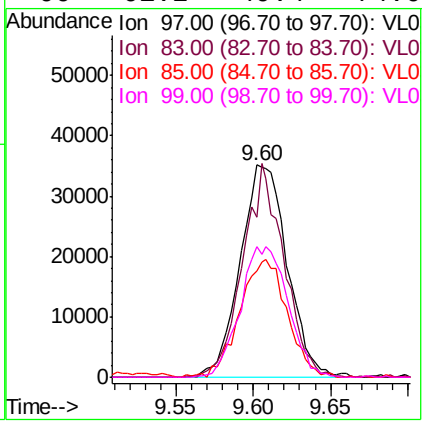


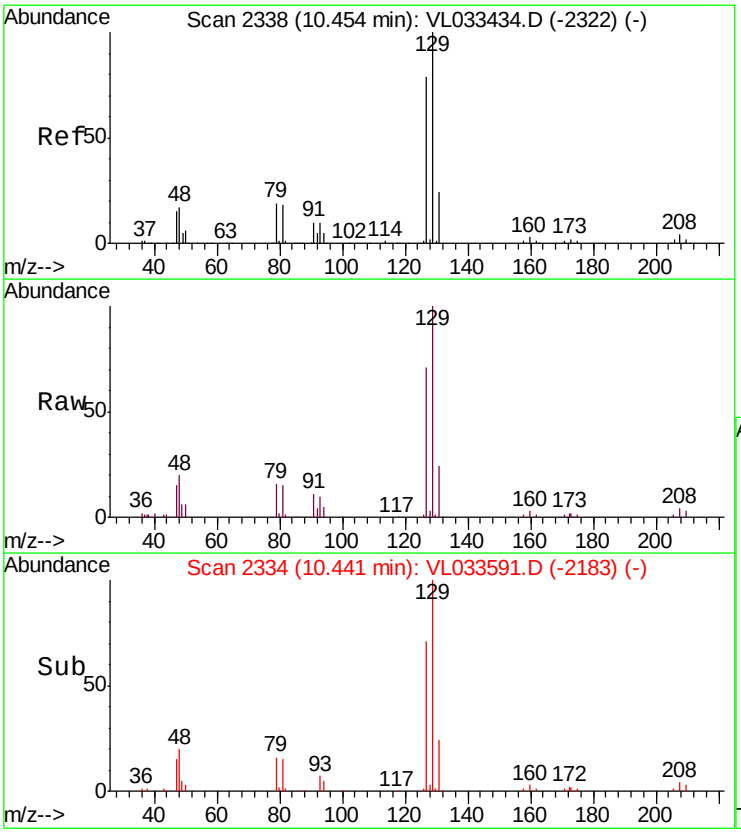
#47
1,1,2-Trichloroethane
Concen: 0.967 ppbv
RT: 9.60 min Scan# 2073
Delta R.T. -0.02 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 97 Resp: 74334

Ion	Ratio	Lower	Upper
97	100		
83	74.8	70.5	105.7
85	50.2	45.6	68.4
99	61.2	49.4	74.0

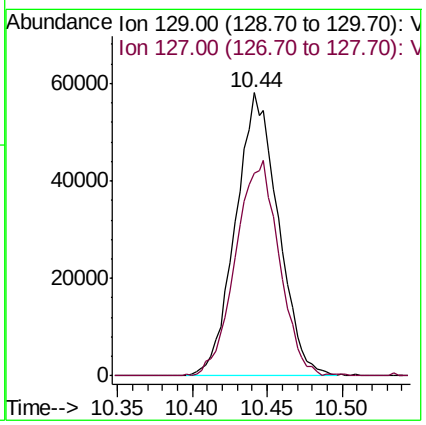


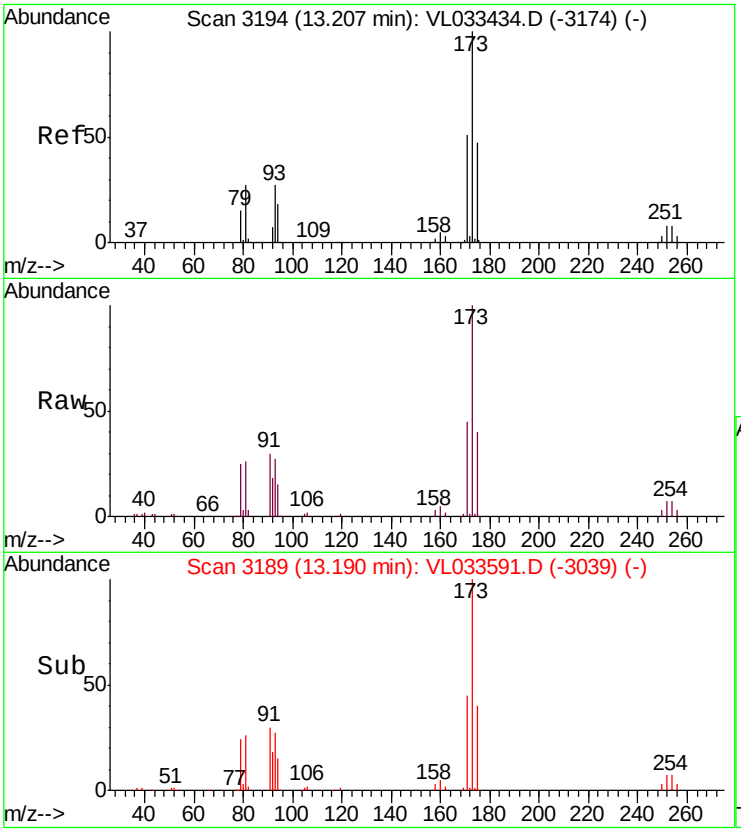


#48
Dibromochloromethane
Concen: 0.889 ppbv
RT: 10.44 min Scan# 2334
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:129 Resp: 115366

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2



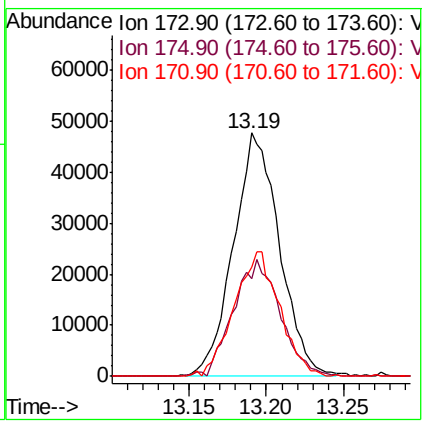


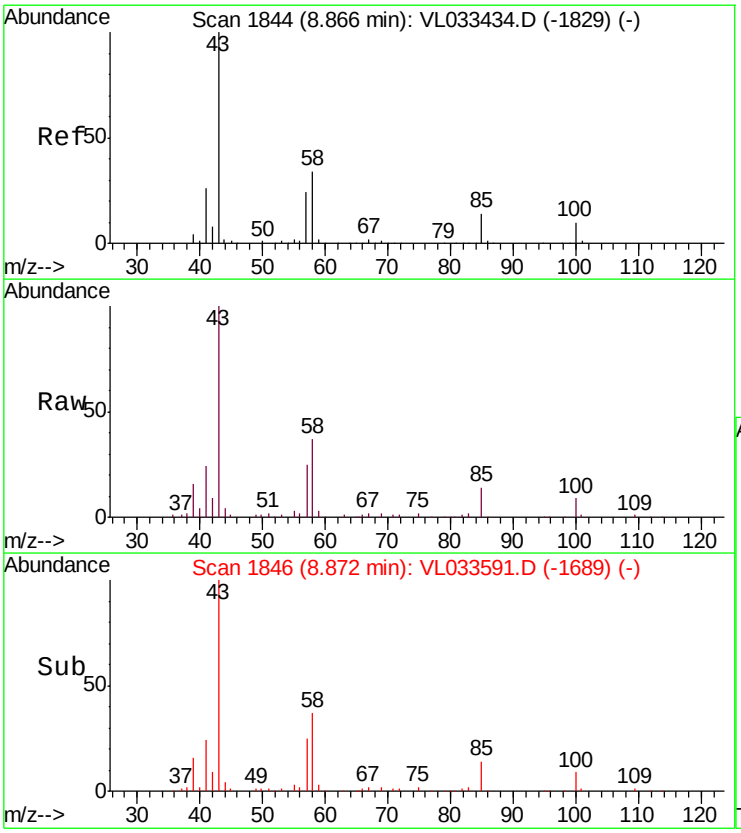
#49
Bromoform
Concen: 0.796 ppbv
RT: 13.19 min Scan# 3189
Delta R.T. -0.02 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:173 Resp: 98676

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.3	58.9
171	50.7	41.2	61.8

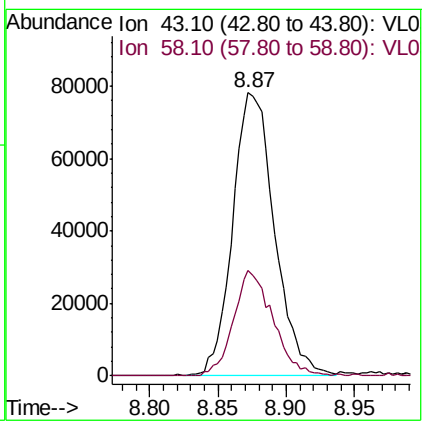


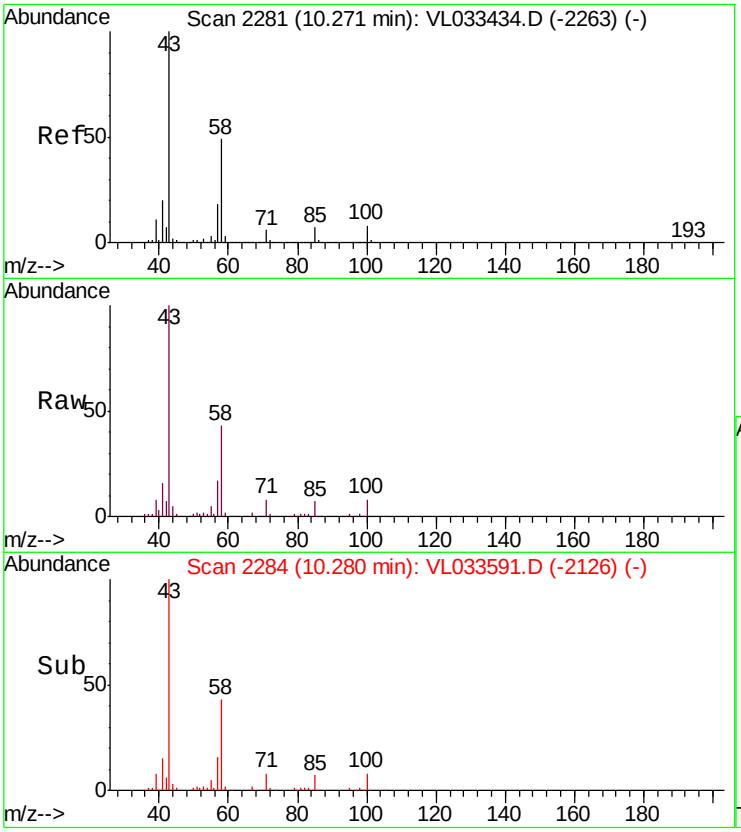


#50
4-Methyl-2-Pentanone
Concen: 0.921 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 43 Resp: 166955

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.0	42.0



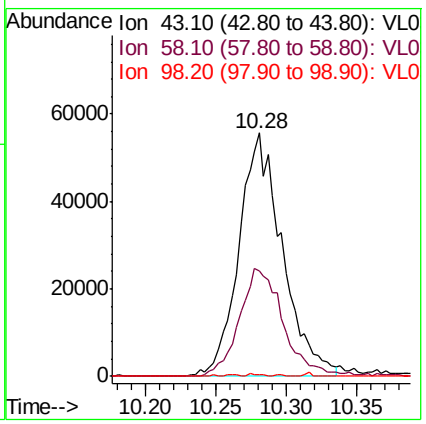


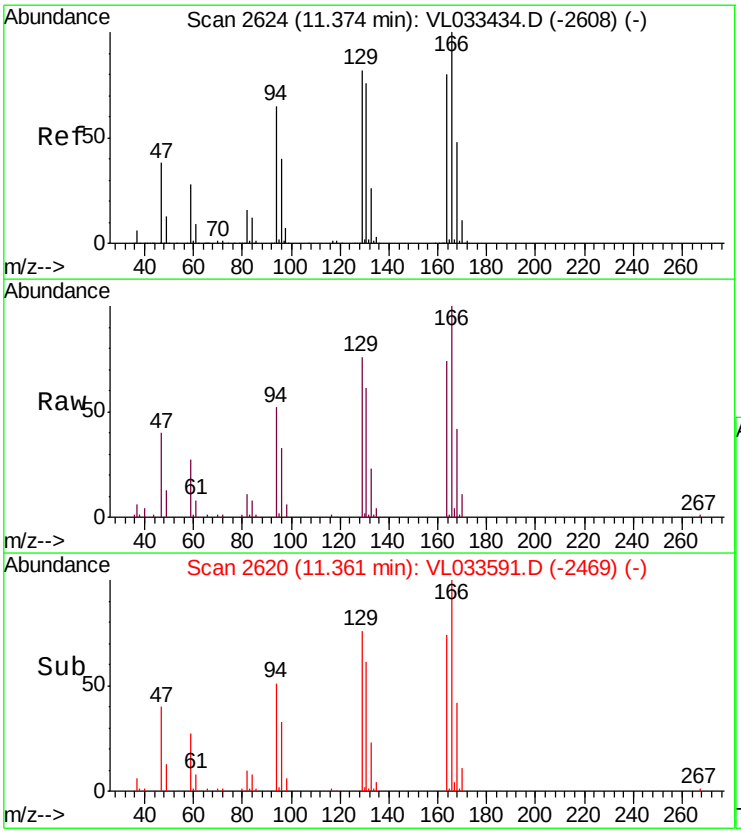
#51
2-Hexanone
Concen: 0.885 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 43 Resp: 119738

Ion	Ratio	Lower	Upper
43	100		
58	45.6	38.2	57.2
98	0.4	0.2	0.2#

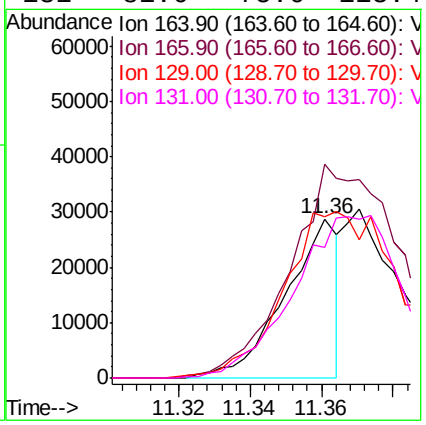


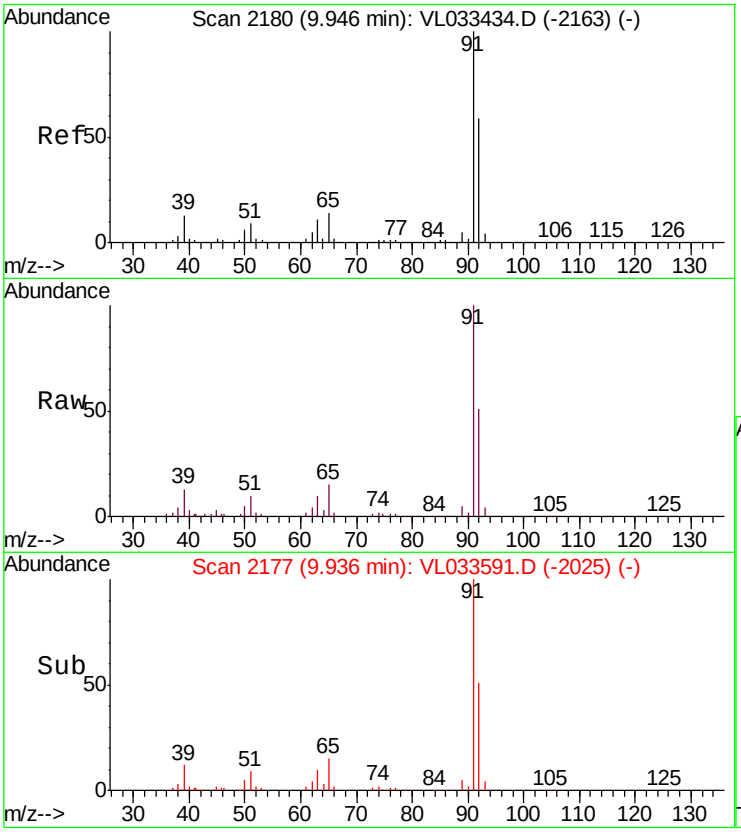


#52
Tetrachloroethene
Concen: 0.453 ppbv
RT: 11.36 min Scan# 2620
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:164 Resp: 29546

Ion	Ratio	Lower	Upper
164	100		
166	132.8	99.5	149.3
129	100.0	81.4	122.2
131	81.6	75.6	113.4



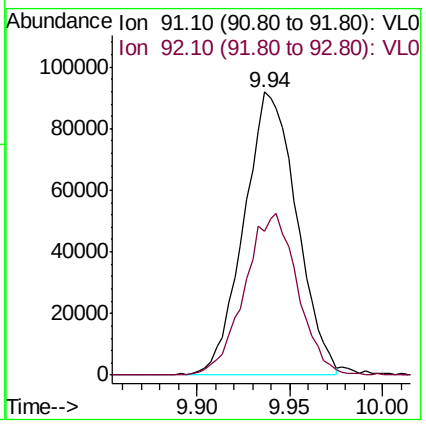


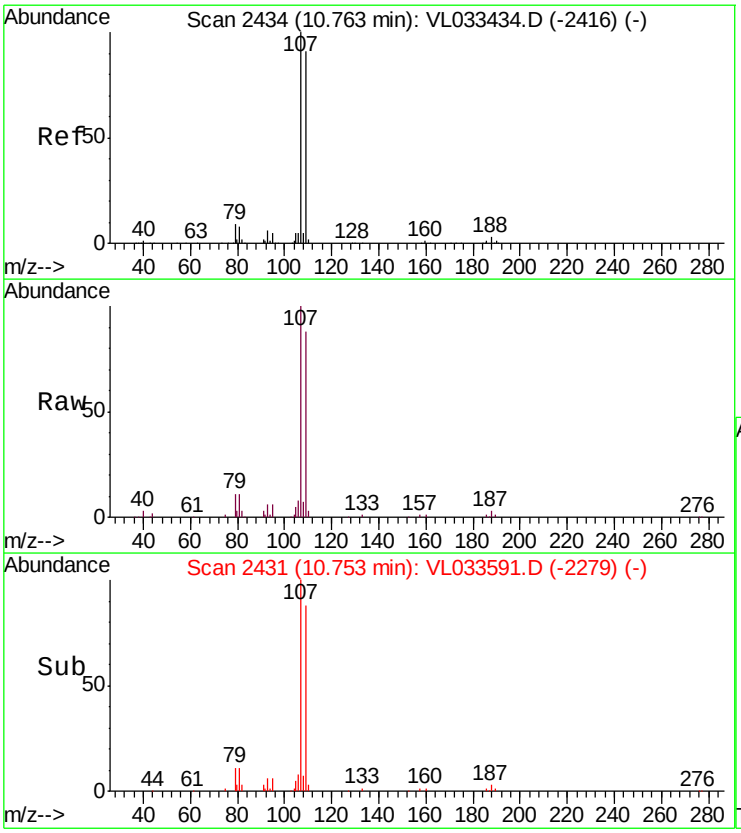
#53
Toluene
Concen: 0.903 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 91 Resp: 181386

Ion	Ratio	Lower	Upper
91	100		
92	57.5	47.4	71.0

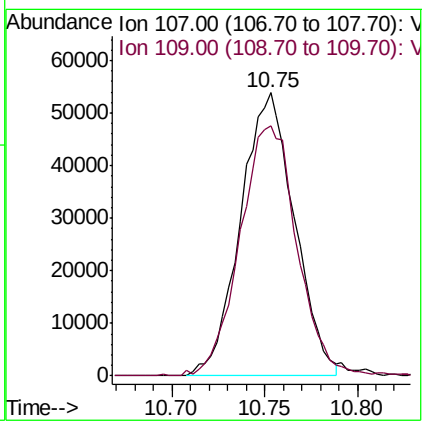


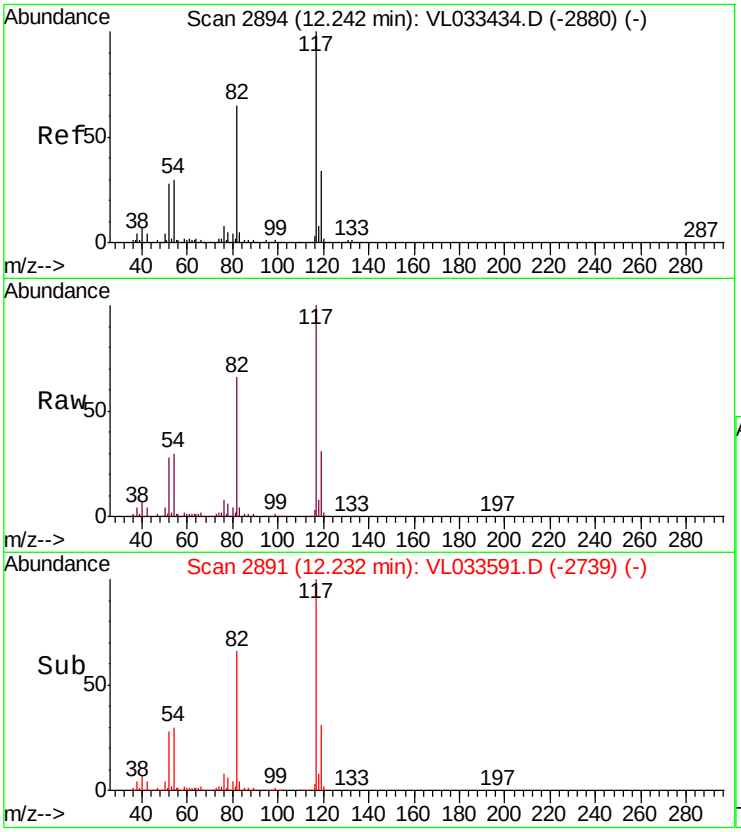


#54
1,2-Dibromoethane
Concen: 0.907 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:107 Resp: 109106

Ion	Ratio	Lower	Upper
107	100		
109	86.0	72.7	109.1



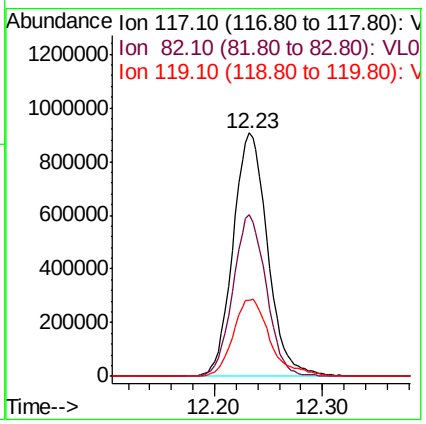


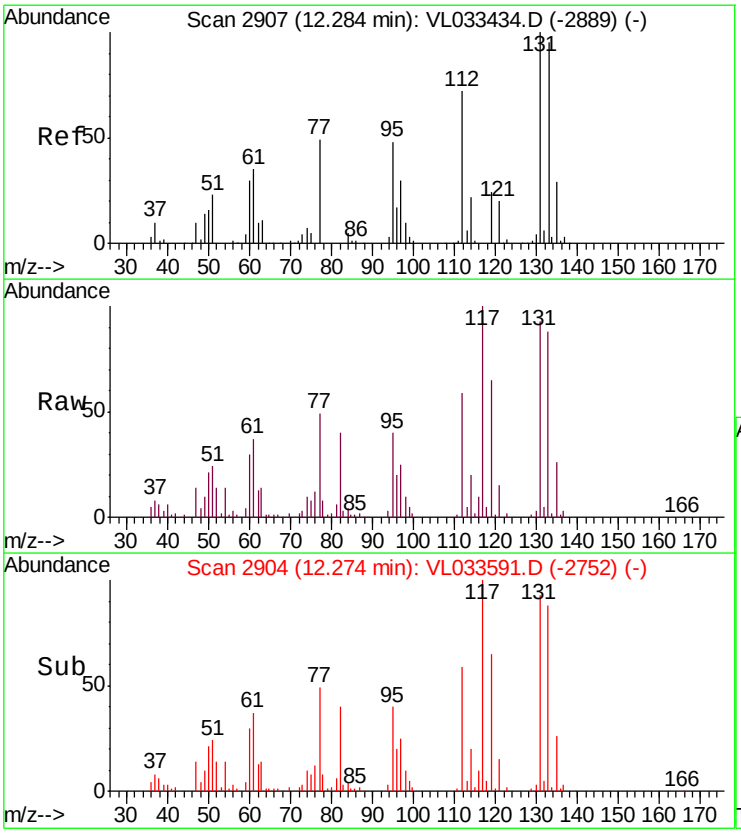
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:117 Resp: 2026096

Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.5	77.3
119	34.0	25.5	38.3

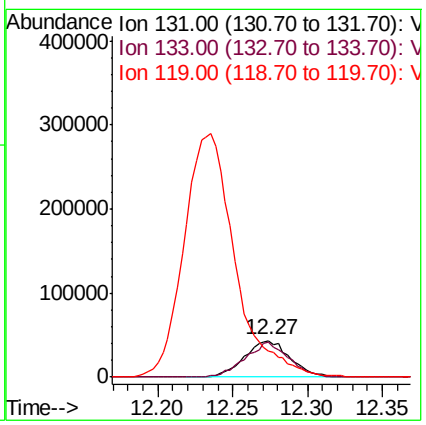


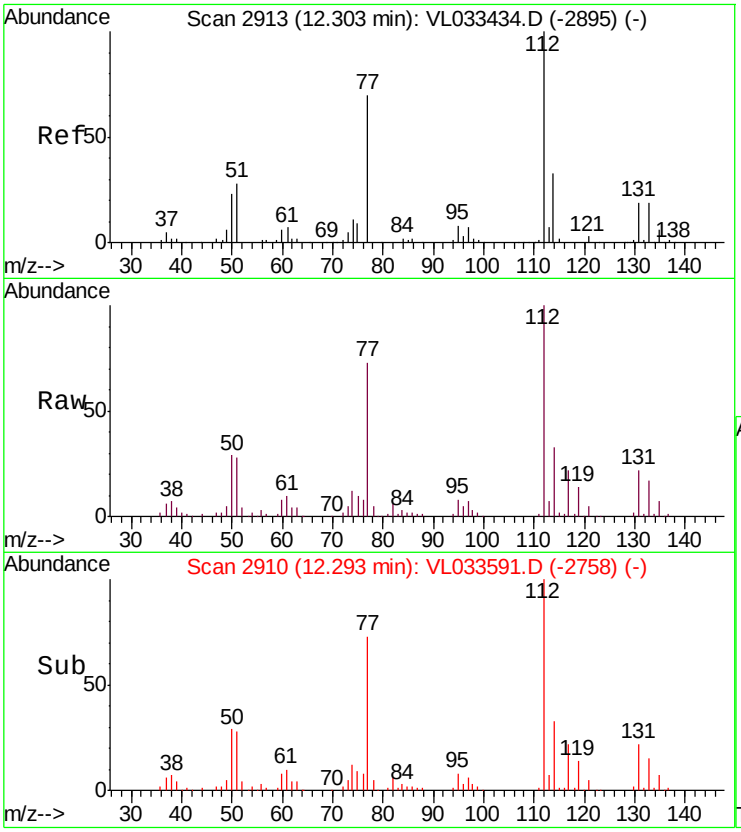


#56
1,1,1,2-Tetrachloroethane
Concen: 0.985 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:131 Resp: 91508

Ion	Ratio	Lower	Upper
131	100		
133	91.6	76.2	114.4
119	752.8	45.0	67.6#



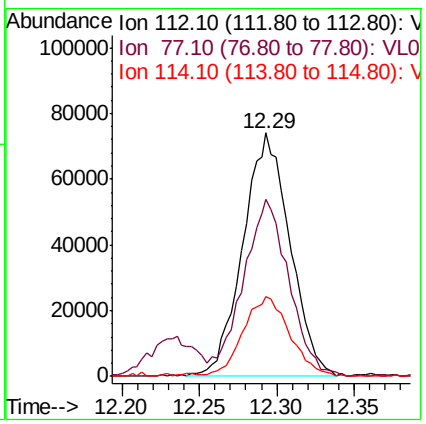


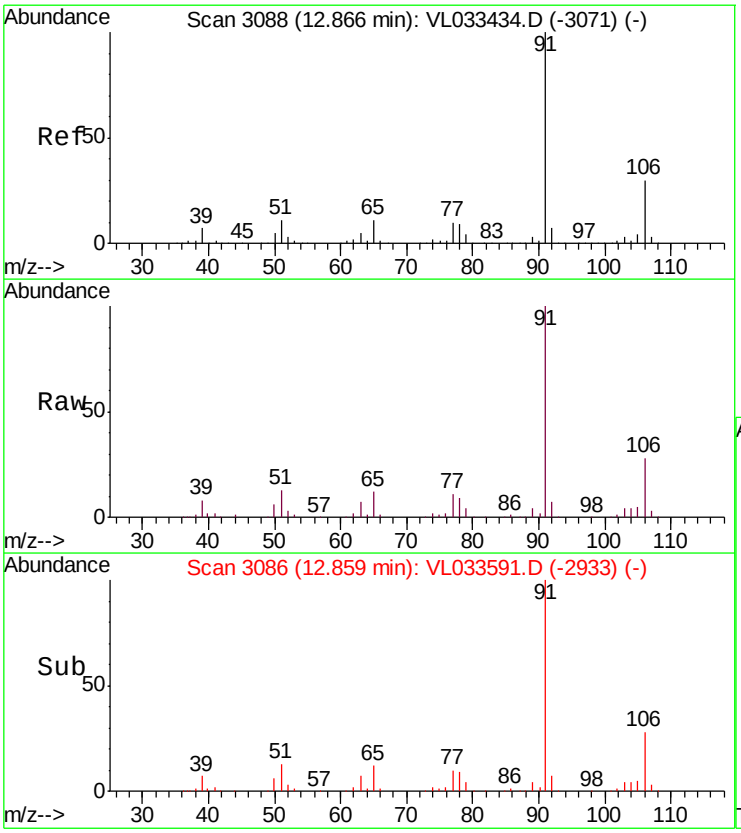
#57
Chlorobenzene
Concen: 0.994 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:112 Resp: 156333

Ion	Ratio	Lower	Upper
112	100		
77	71.4	57.3	85.9
114	32.5	29.8	36.4

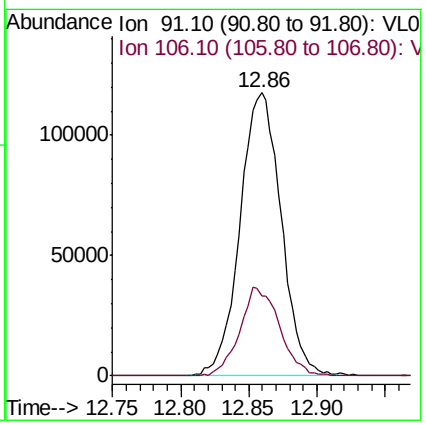


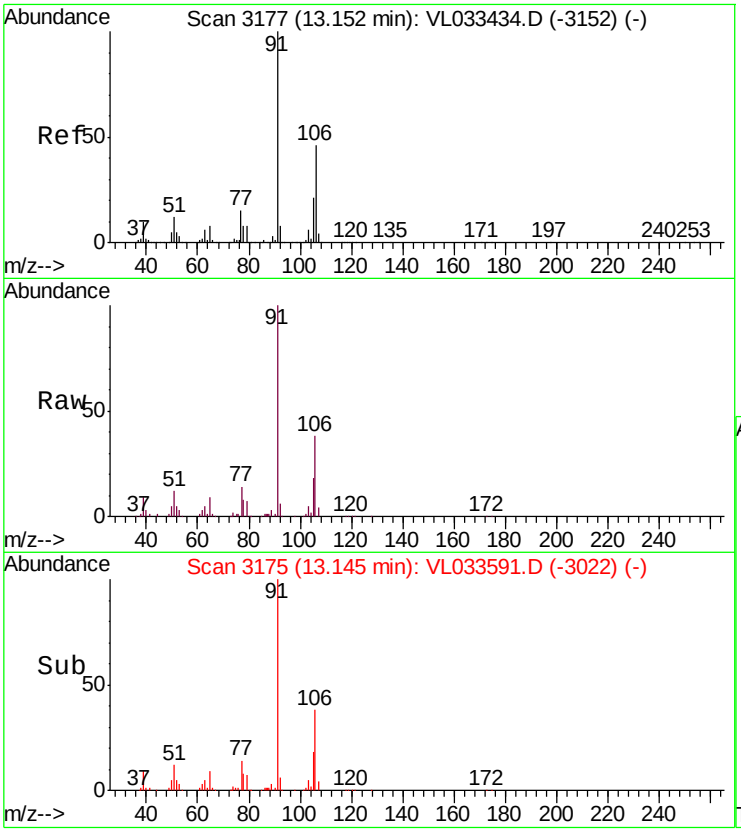


#58
Ethyl Benzene
Concen: 0.908 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 91 Resp: 245685

Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.8	35.6



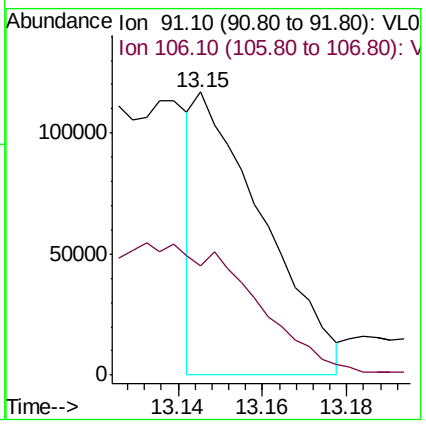


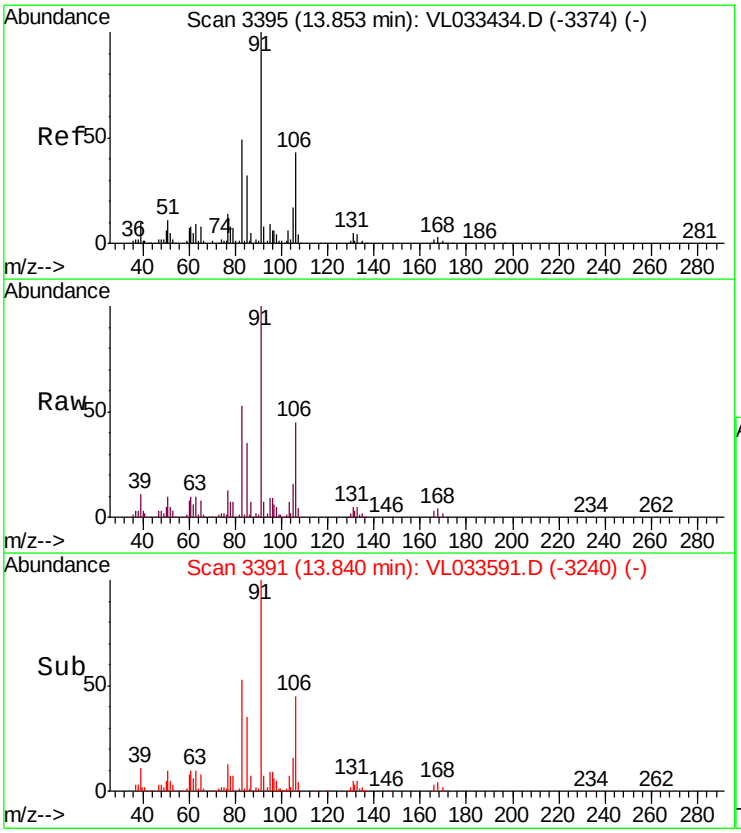
#59
m/p-Xylene
Concen: 0.541 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 91 Resp: 130695

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

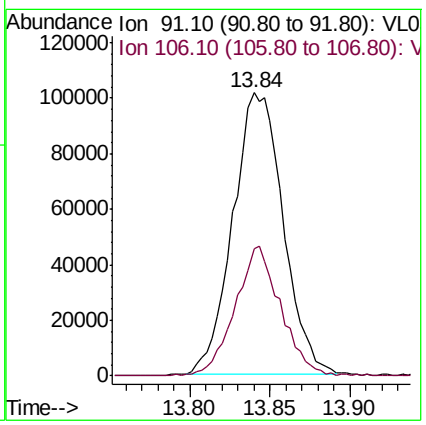


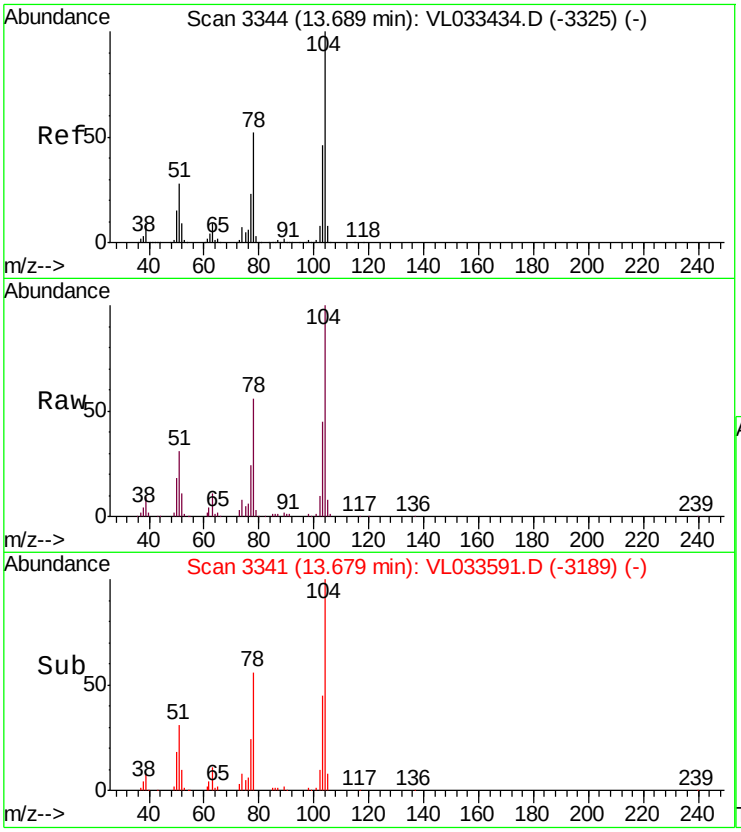


#60
o-Xylene
Concen: 0.926 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 91 Resp: 216501

Ion	Ratio	Lower	Upper
91	100		
106	42.0	21.4	64.3



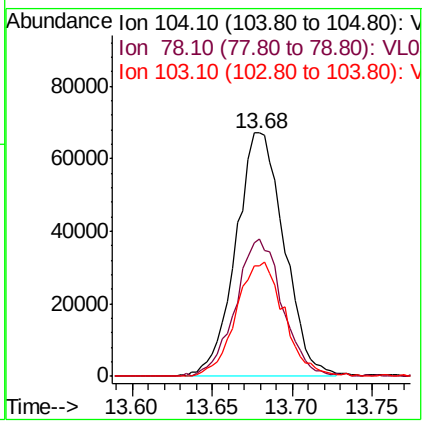


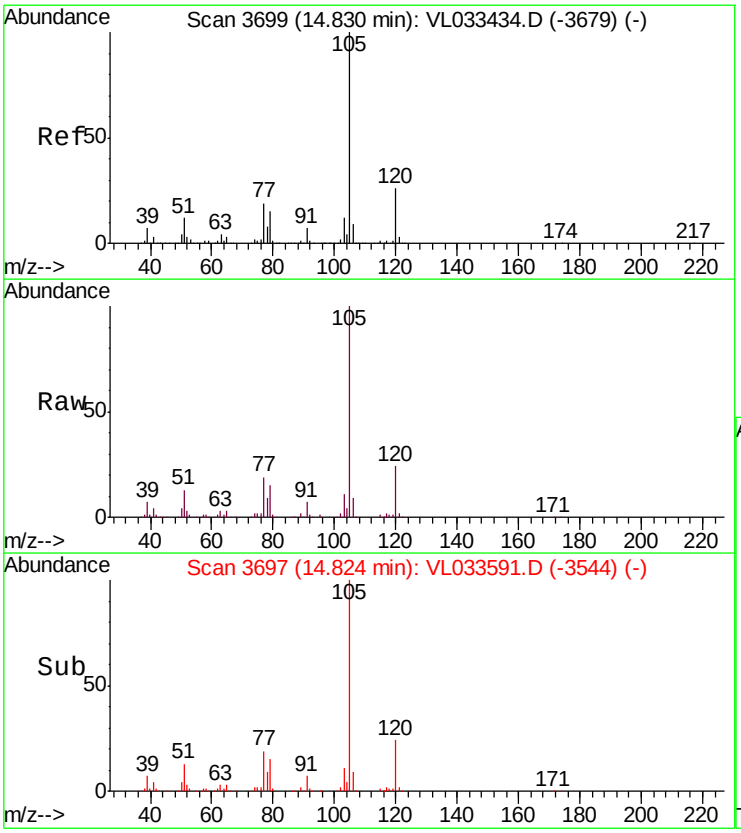
#61
Styrene
Concen: 0.865 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:104 Resp: 138749

Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.2	64.8
103	46.9	37.8	56.8

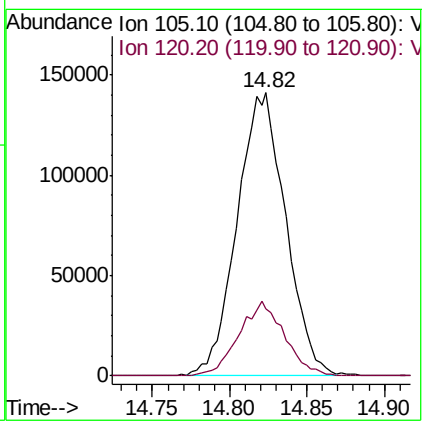


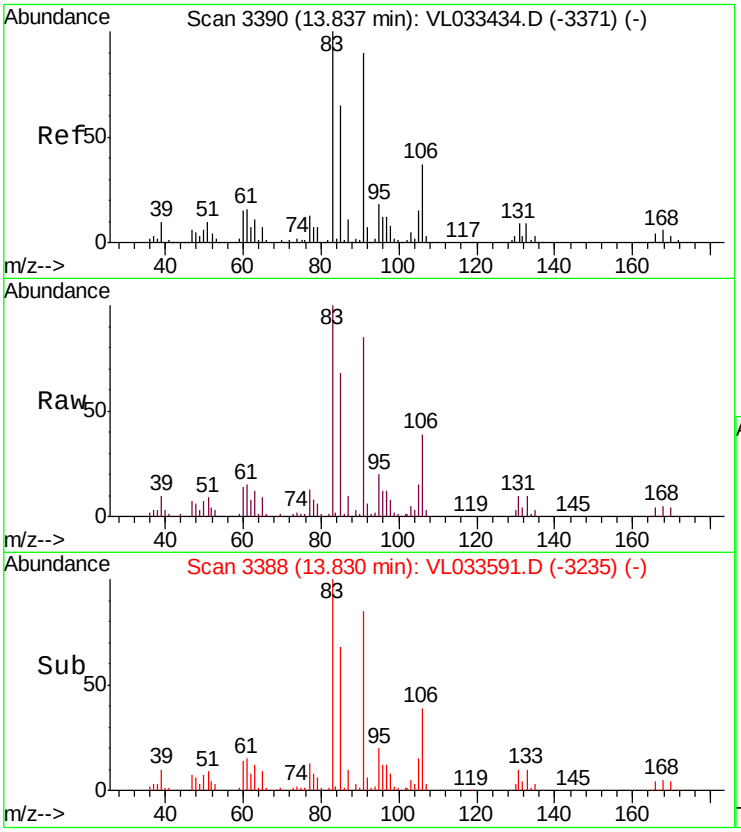


#62
Isopropylbenzene
Concen: 0.925 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:105 Resp: 306108

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.2	30.2



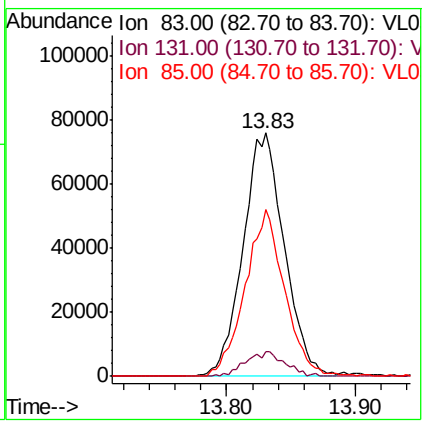


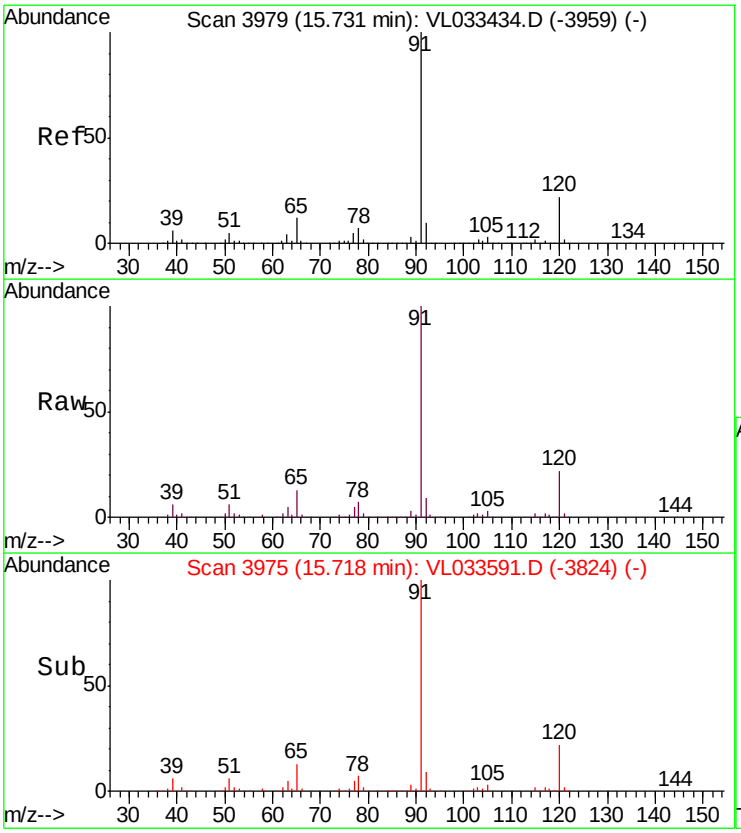
#63
1,1,2,2-Tetrachloroethane
Concen: 0.983 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 83 Resp: 169102

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.0
85	65.5	32.7	98.1

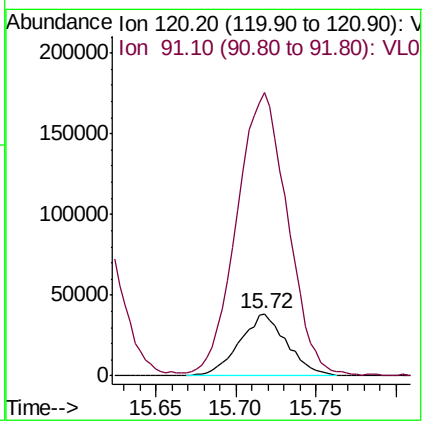


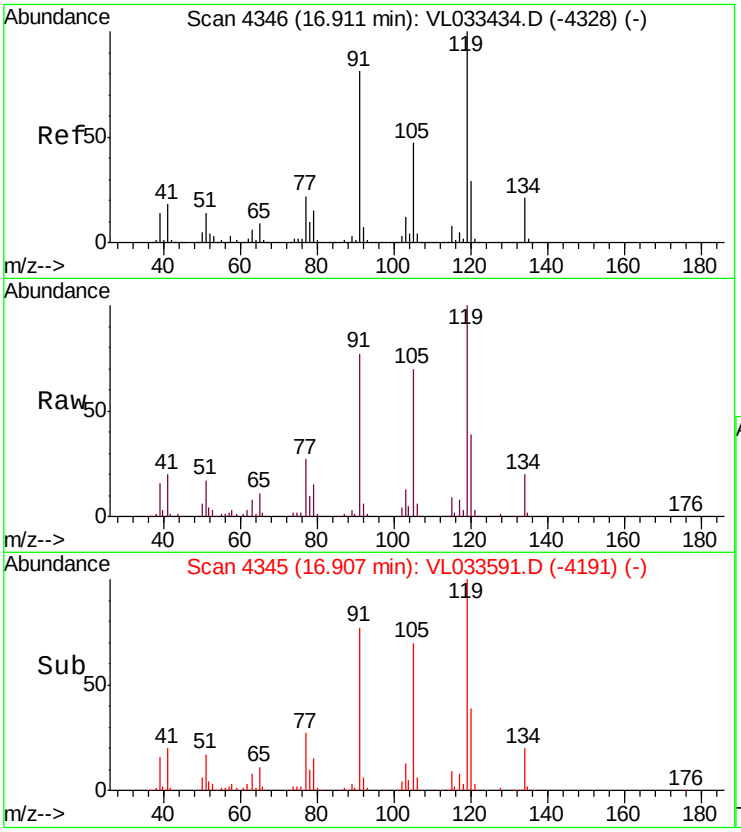


#64
n-propylbenzene
Concen: 0.925 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:120 Resp: 77637

Ion	Ratio	Lower	Upper
120	100		
91	498.2	387.4	581.2



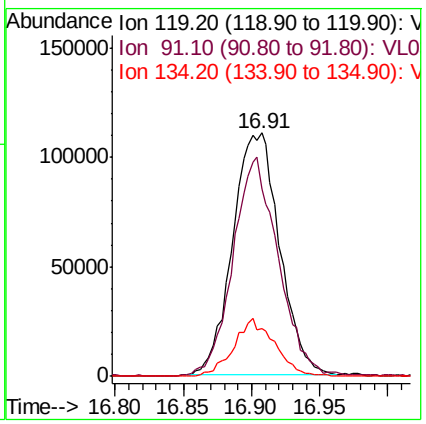


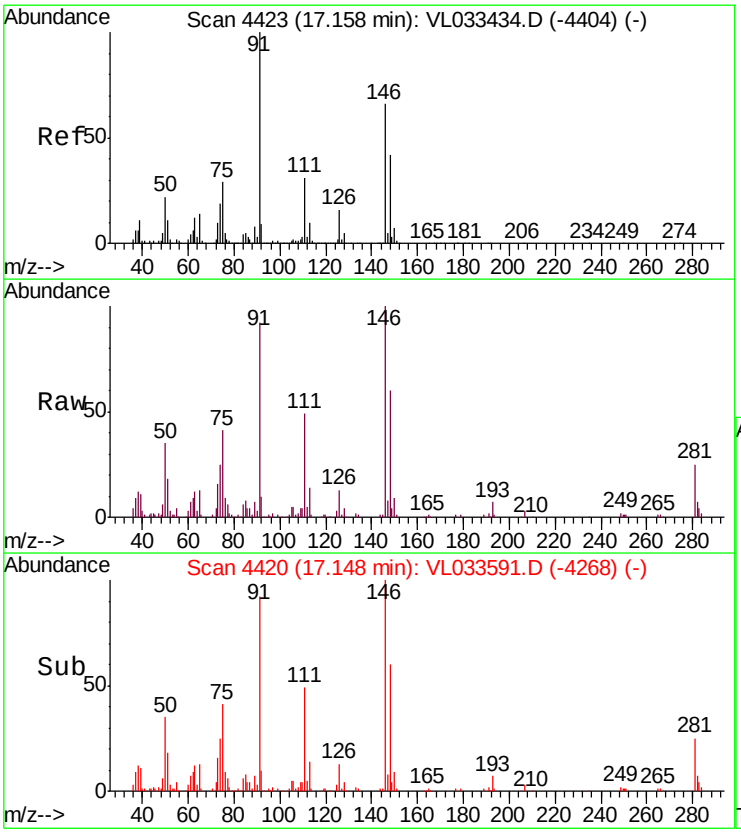
#65
tert-Butylbenzene
Concen: 0.904 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:119 Resp: 263585

Ion	Ratio	Lower	Upper
119	100		
91	88.0	66.4	99.6
134	20.9	15.5	23.3

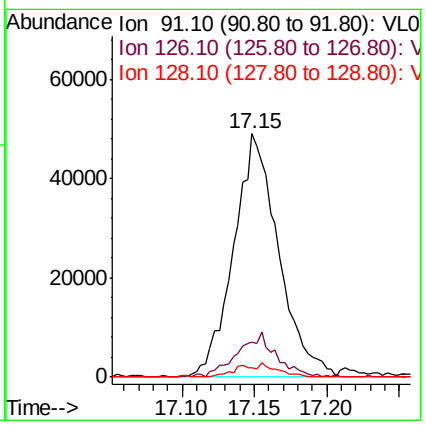


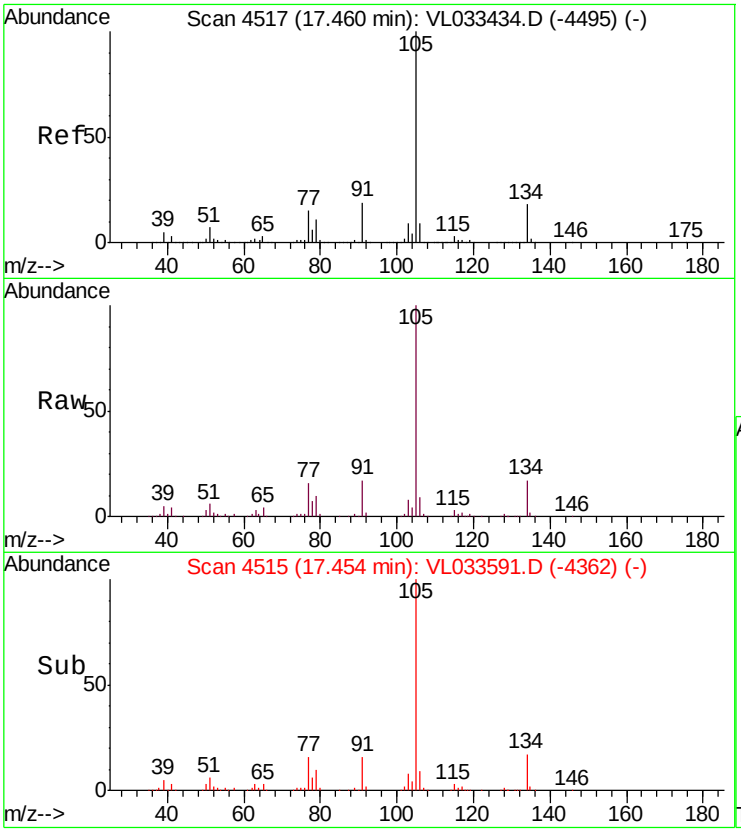


#66
Benzyl Chloride
Concen: 0.777 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 91 Resp: 105400

Ion	Ratio	Lower	Upper
91	100		
126	16.0	13.0	19.6
128	4.8	4.2	6.2



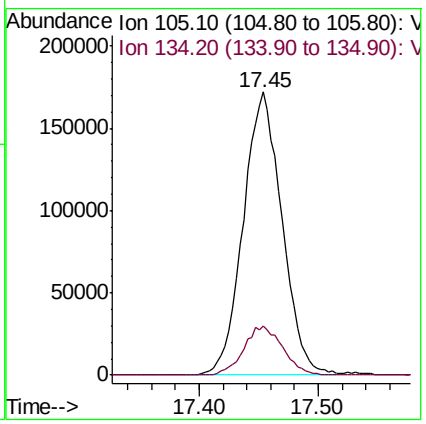


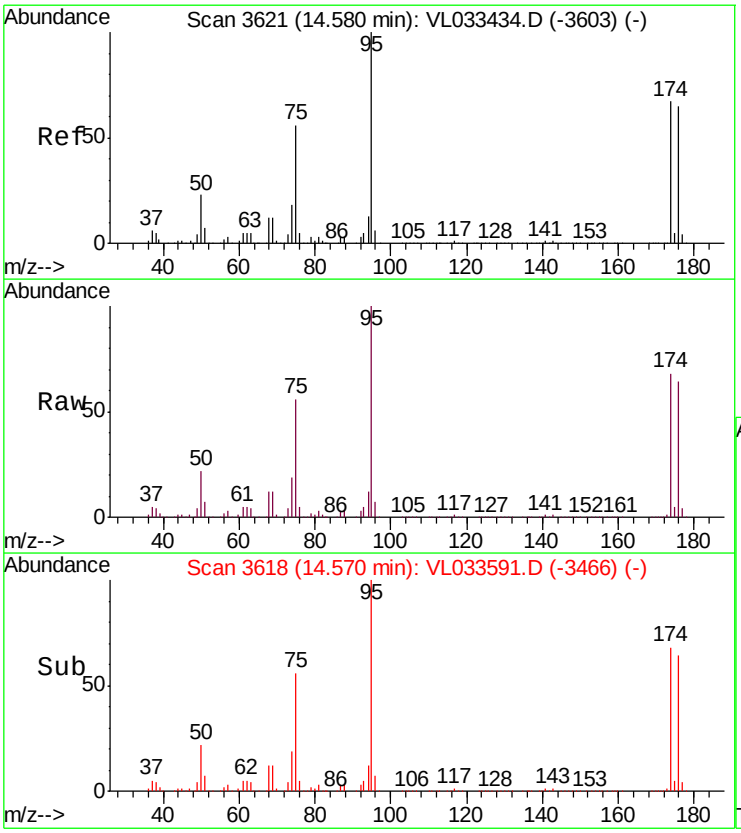
#67
sec-Butylbenzene
Concen: 0.934 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:105 Resp: 387520

Ion	Ratio	Lower	Upper
105	100		
134	17.5	14.6	21.8

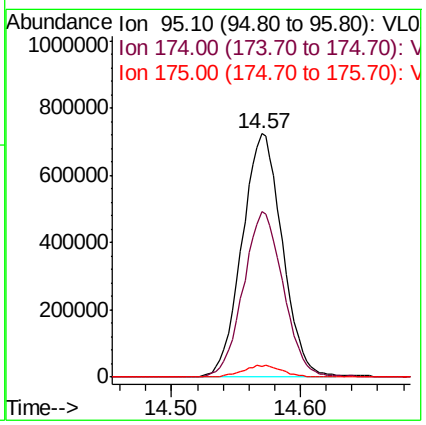


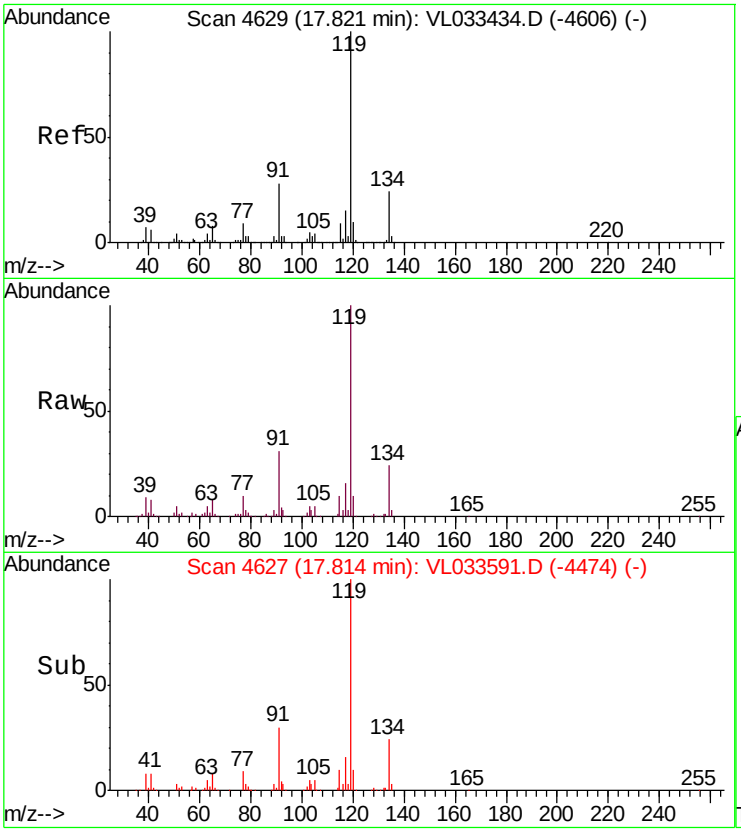


#68
1-Bromo-4-Fluorobenzene
Concen: 9.907 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 95 Resp: 1573671

Ion	Ratio	Lower	Upper
95	100		
174	67.8	52.9	79.3
175	4.8	3.8	5.6



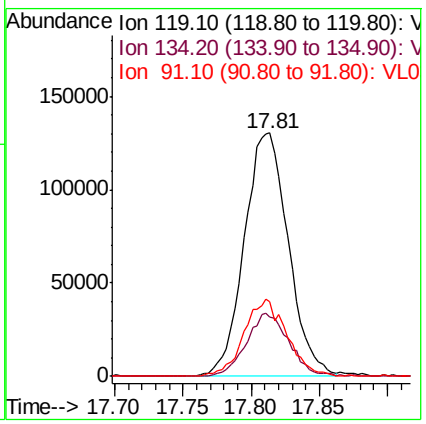


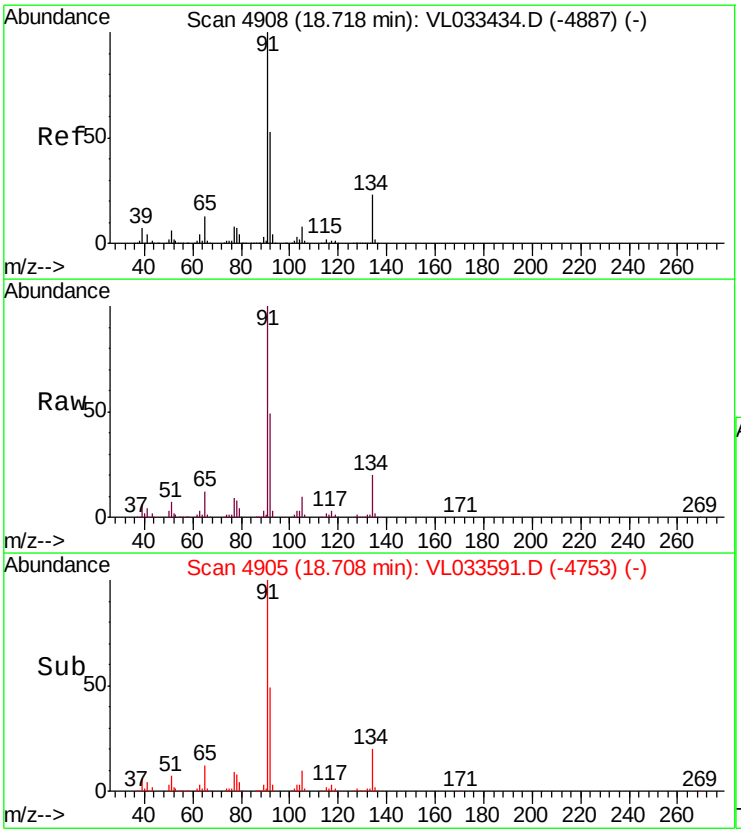
#69
p-Isopropyltoluene
Concen: 0.866 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:119 Resp: 292282

Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.9	29.9
91	31.1	23.4	35.0

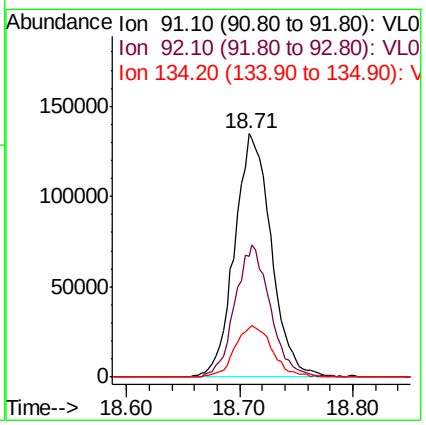


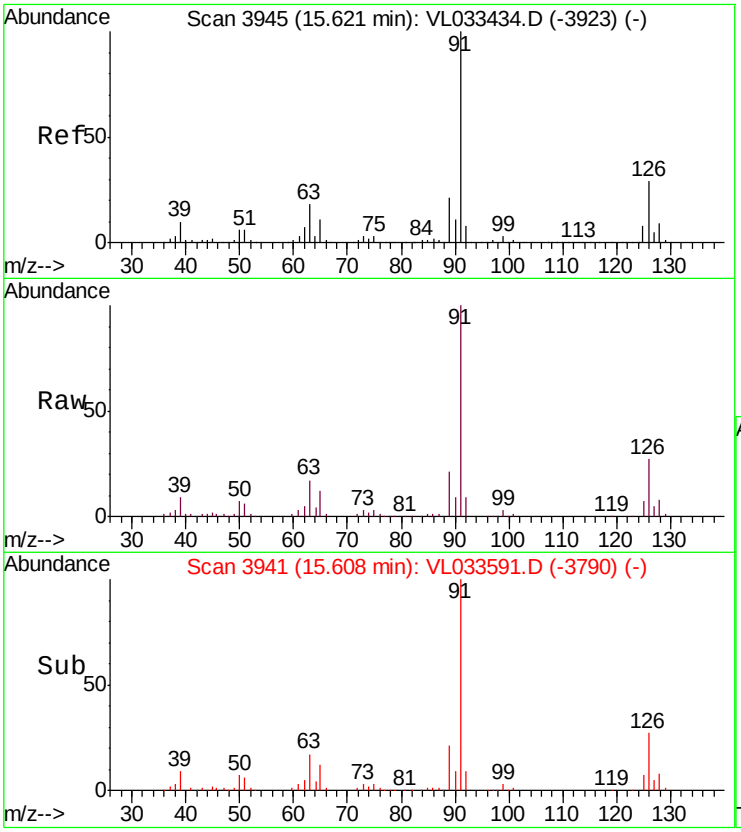


#70
n-Butylbenzene
Concen: 0.850 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion: 91 Resp: 304023

Ion	Ratio	Lower	Upper
91	100		
92	52.3	42.6	64.0
134	21.4	17.5	26.3



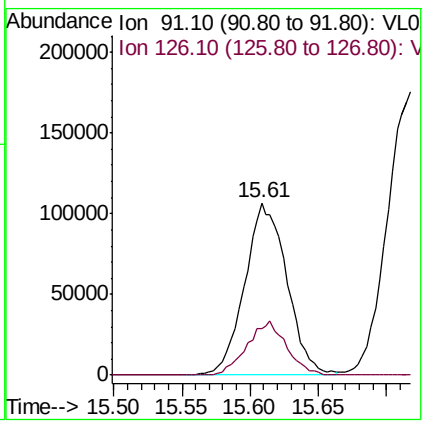


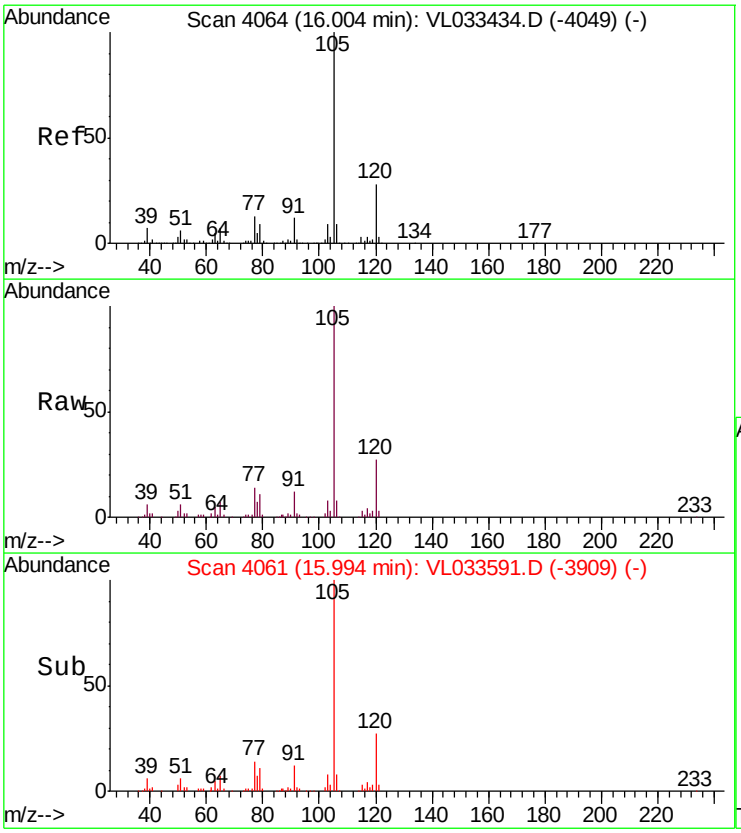
#71
2-Chlorotoluene
Concen: 0.907 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 91 Resp: 228296

Ion	Ratio	Lower	Upper
91	100		
126	29.1	11.7	46.9

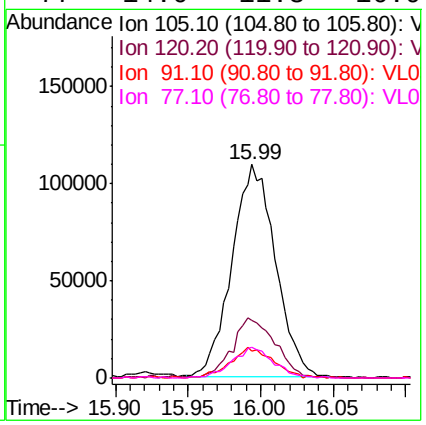


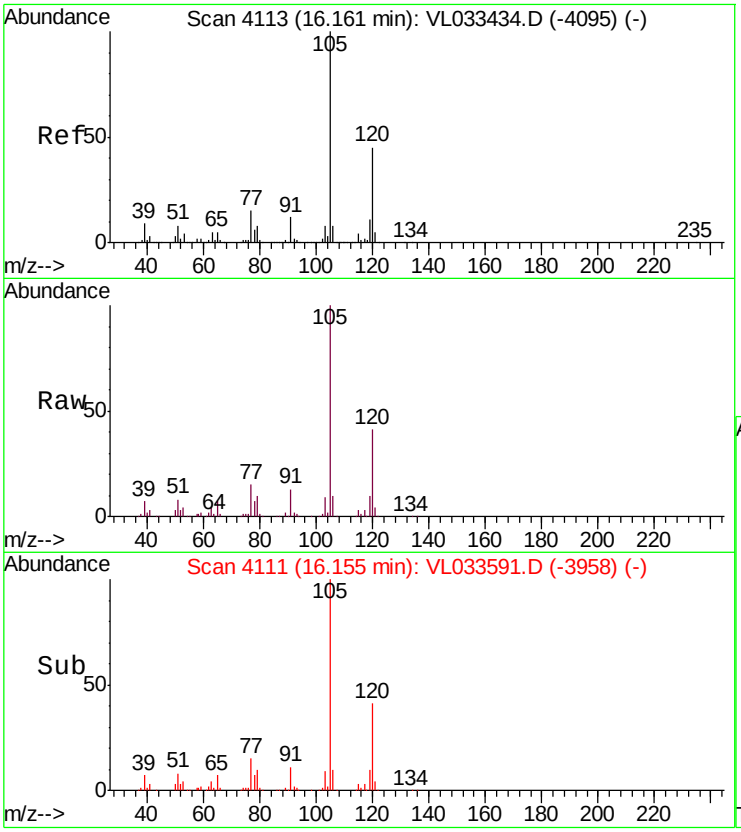


#72
4-Ethyltoluene
Concen: 0.867 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:105 Resp: 227876

Ion	Ratio	Lower	Upper
105	100		
120	28.1	23.2	34.8
91	14.5	10.4	15.6
77	14.0	11.3	16.9



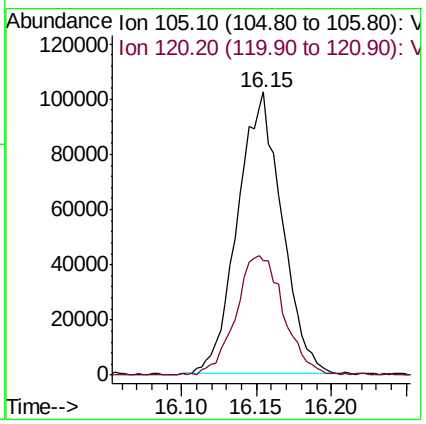


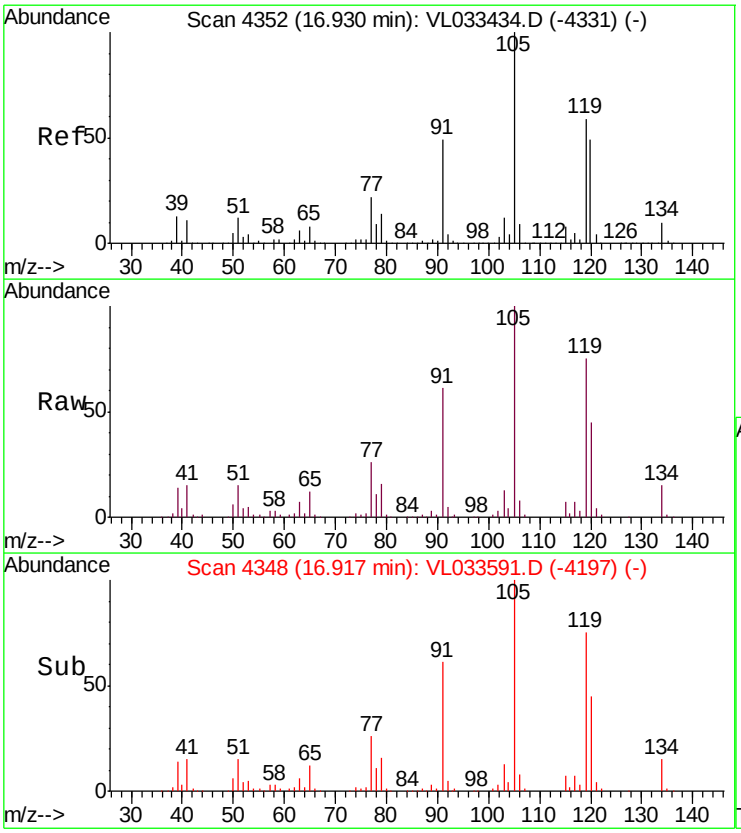
#73
1,3,5-Trimethylbenzene
Concen: 0.839 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:105 Resp: 210810

Ion	Ratio	Lower	Upper
105	100		
120	40.6	35.7	53.5

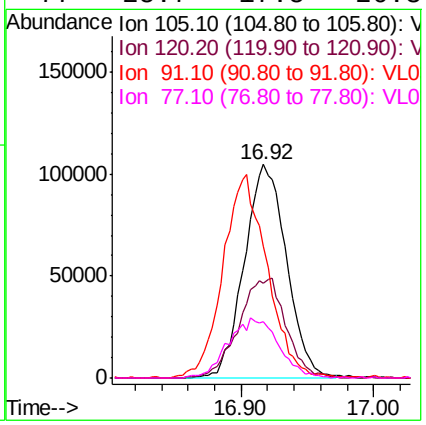


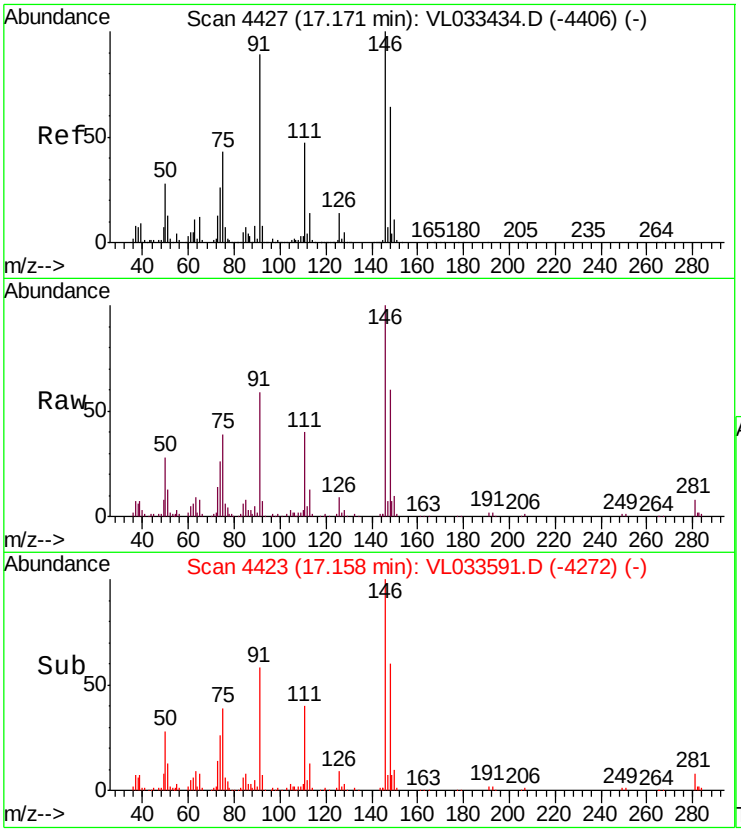


#74
1,2,4-Trimethylbenzene
Concen: 0.860 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:105 Resp: 231680

Ion	Ratio	Lower	Upper
105	100		
120	44.1	39.0	58.6
91	60.8	40.0	60.0#
77	25.7	17.5	26.3



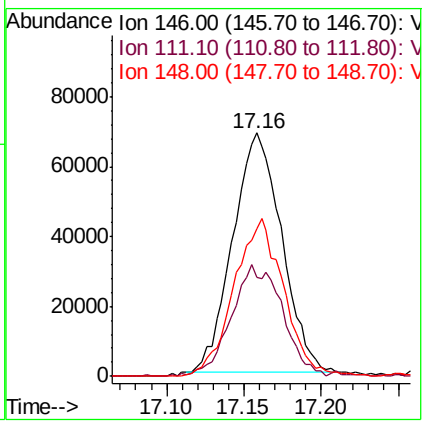


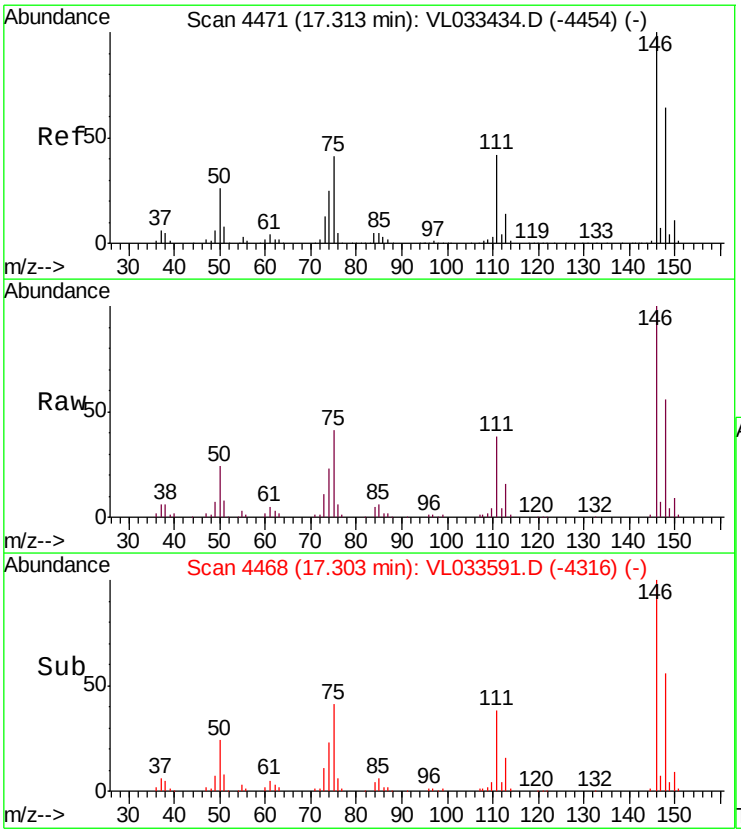
#75
1,3-Dichlorobenzene
Concen: 0.904 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:146 Resp: 150531

Ion	Ratio	Lower	Upper
146	100		
111	49.0	22.9	68.8
148	67.2	32.0	96.2

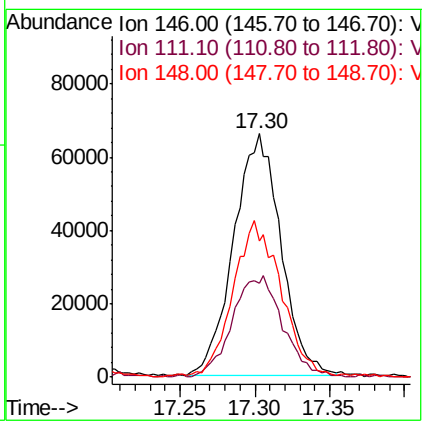


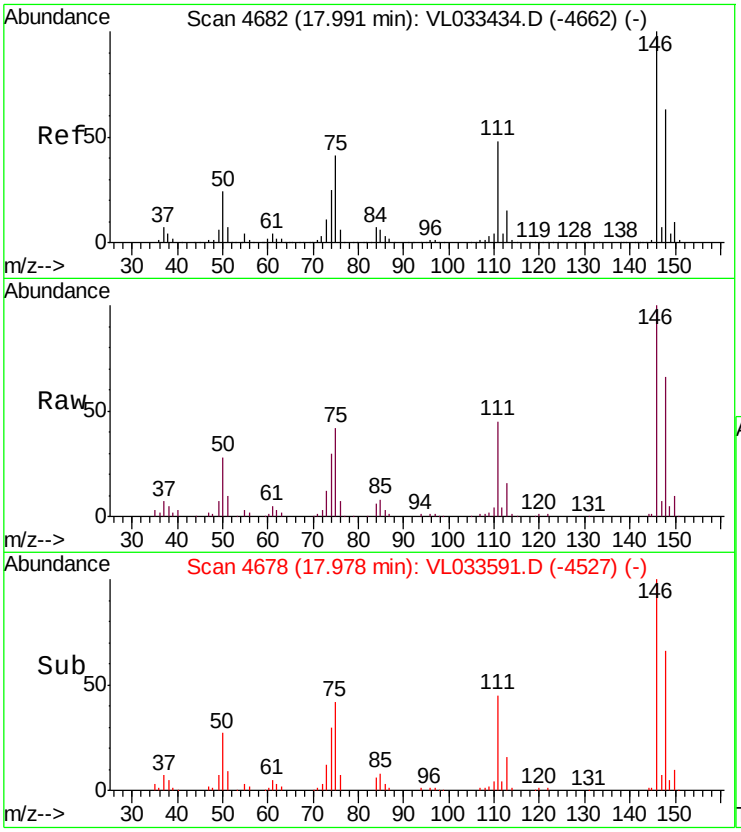


#76
1,4-Dichlorobenzene
Concen: 0.886 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:146 Resp: 143703

Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.7	65.1
148	67.6	32.0	96.2



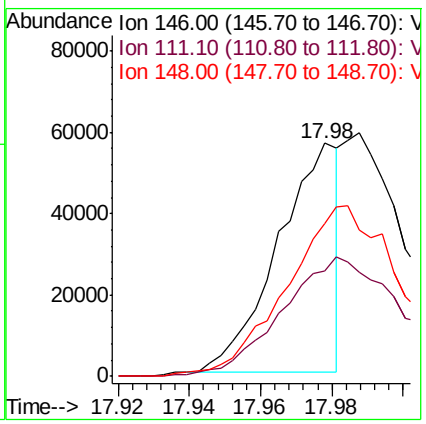


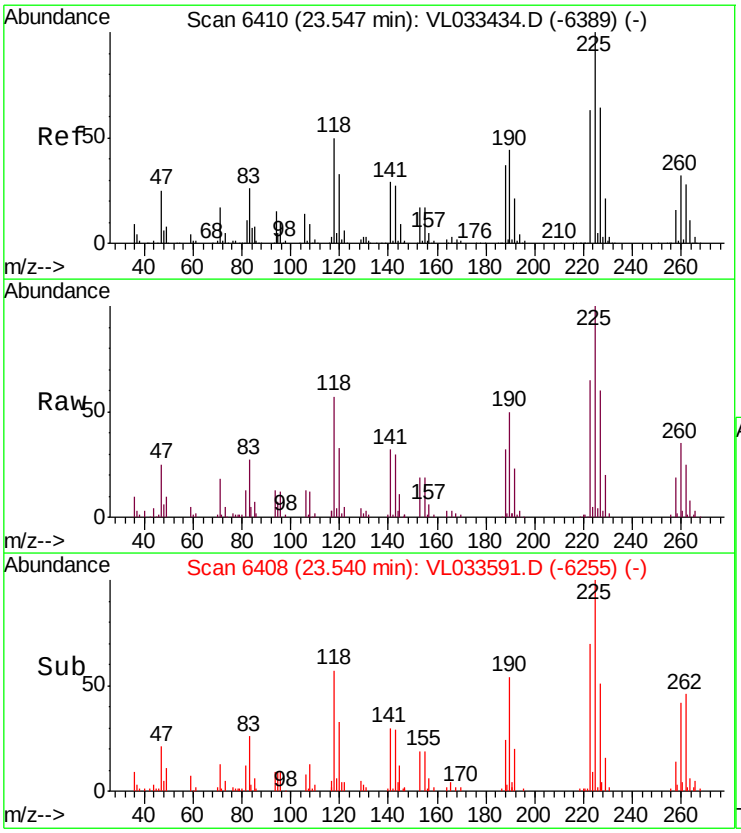
#77
1,2-Dichlorobenzene
Concen: 0.421 ppbv
RT: 17.98 min Scan# 4678
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:146 Resp: 66519

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.5	70.5#
148	0.0	32.0	96.0#

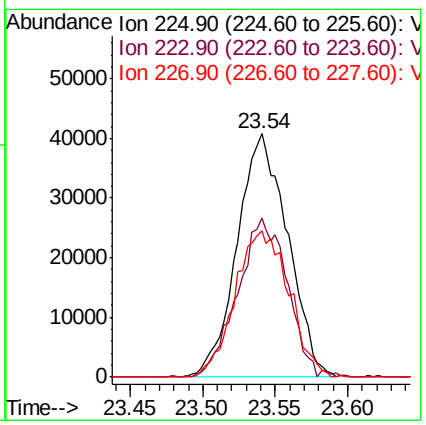


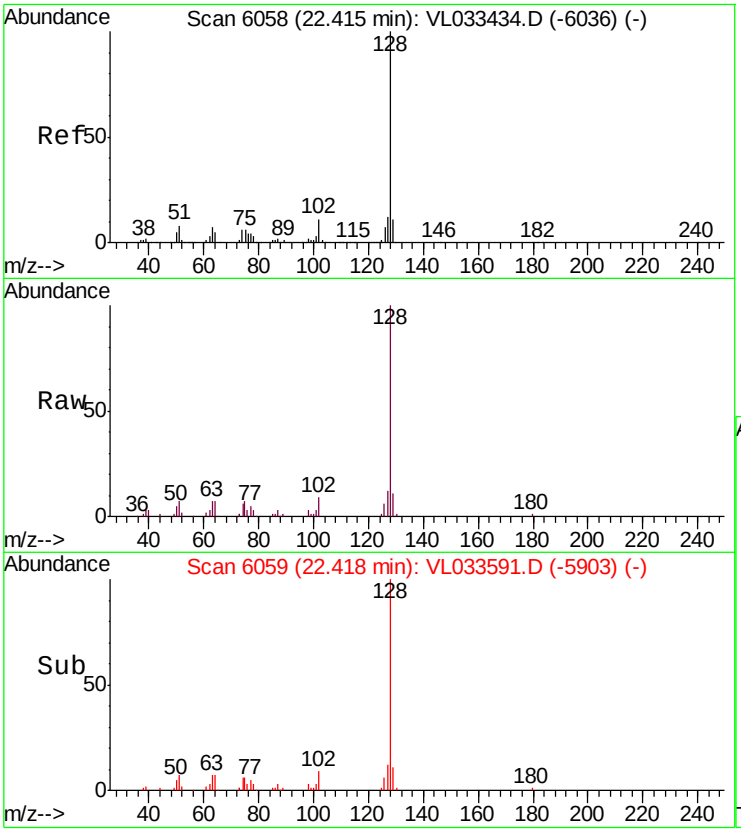


#78
Hexachloro-1,3-Butadiene
Concen: 0.943 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:225 Resp: 98629

Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.0	75.0
227	63.9	51.1	76.7



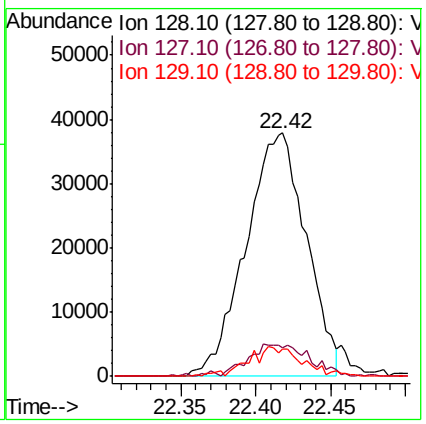


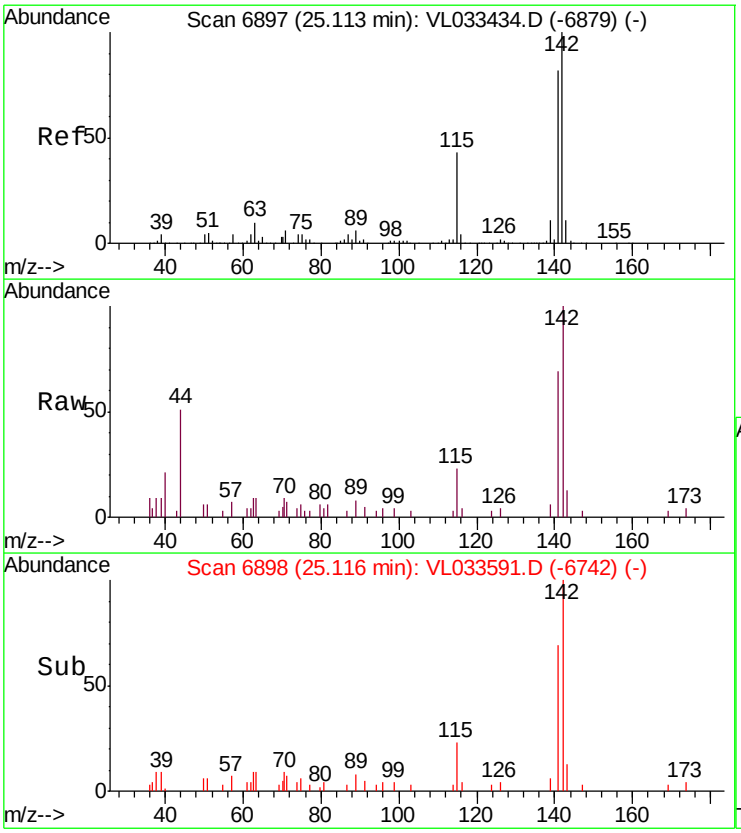
#79
Naphthalene
Concen: 0.460 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. 0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:128 Resp: 105997

Ion	Ratio	Lower	Upper
128	100		
127	10.6	9.8	14.8
129	11.0	8.6	12.8

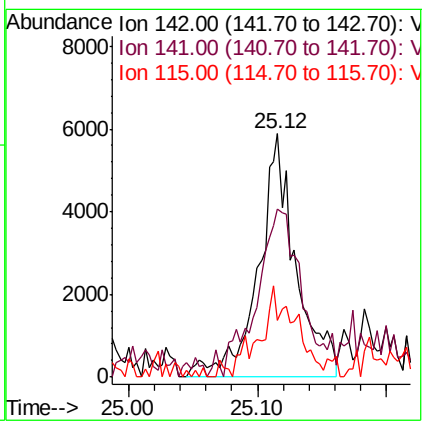


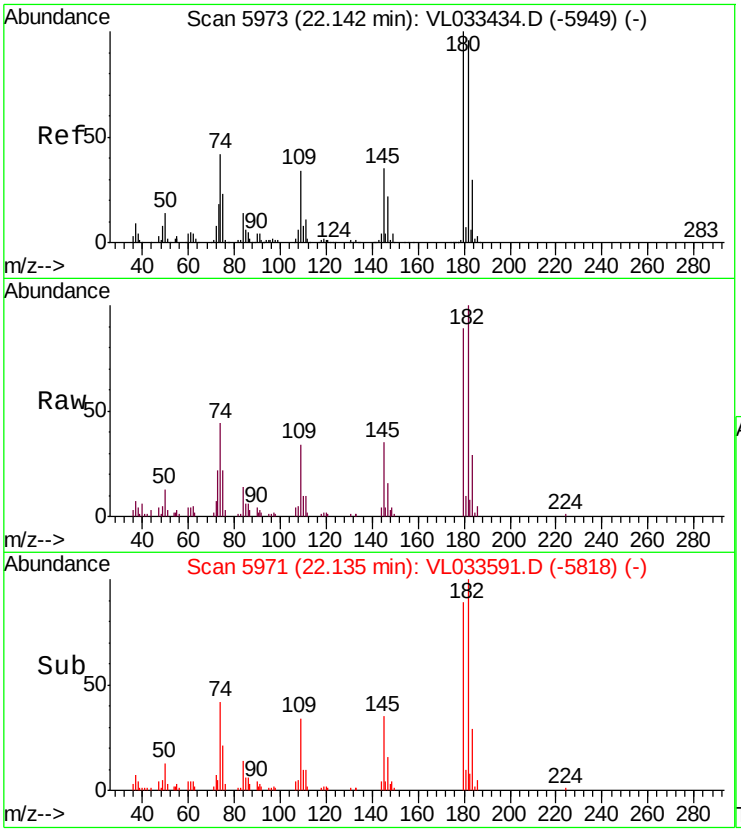


#80
Naphthalene,2-methyl-
Concen: 0.153 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Tgt Ion:142 Resp: 11845

Ion	Ratio	Lower	Upper
142	100		
141	76.3	66.6	99.8
115	40.6	34.4	51.6





#81
1,2,4-Trichlorobenzene
Concen: 0.588 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.01 min
Lab File: VL033591.D
Acq: 16 Apr 2019 14:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:180 Resp: 75190

Ion	Ratio	Lower	Upper
180	100		
182	102.1	77.0	115.4
184	31.6	24.6	36.8