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

Quantitation Report (Not Reviewed)

Data File : VL033593.D
Acq On : 16 Apr 2019 15:36
Operator : SY/AP
Sample : K2241-14 0.4 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2019

Quant Time: Apr 17 05:52:35 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	879686	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2092323	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2086979	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1711760	10.46	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	63697	0.496	ppbv		92
3) Chlorodifluoromethane	3.02	51	41456	0.409	ppbv		99
4) Chloromethane	3.17	50	21518	0.402	ppbv		100
5) Vinyl Chloride	3.29	62	20395	0.387	ppbv		90
6) Bromomethane	3.52	94	13286	0.393	ppbv		90
7) Chloroethane	3.61	64	8393	0.428	ppbv		94
8) Dichlorotetrafluoroethane	3.22	85	56721	0.415	ppbv		98
9) Propene	3.04	41	14527	0.342	ppbv		99
10) Heptane	8.25	43	29728	0.261	ppbv		98
11) Trichlorofluoromethane	4.00	101	65927	0.417	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.55	101	23611	0.222	ppbv	#	14
13) Ethanol	3.66	45	3020	0.274	ppbv	#	18
14) Bromoethene	3.79	108	14631	0.345	ppbv		96
15) Acetone	3.92	43	54547	0.516	ppbv		94
16) 1,3-Butadiene	3.36	39	15339	0.366	ppbv		92
17) tert-Butyl alcohol	4.39	59	8153	0.419	ppbv		99
18) 1,1-Dichloroethene	4.35	96	17326	0.380	ppbv		98
19) Isopropyl Alcohol	4.05	45	29662	0.443	ppbv	#	90
20) Methylene Chloride	4.41	84	22160	0.494	ppbv		97
21) Allyl Chloride	4.48	41	22858	0.342	ppbv		91
22) trans-1,2-Dichloroethene	4.97	96	17690	0.372	ppbv		88
23) Vinyl Acetate	5.16	43	52413	0.348	ppbv	#	95
24) 1,1-Dichloroethane	5.09	63	41799	0.366	ppbv		100
25) Ethyl Acetate	5.78	43	65016	0.331	ppbv		98
26) Hexane	5.78	57	28156	0.323	ppbv	#	89
27) Carbon Disulfide	4.63	76	35766	0.345	ppbv	#	90
28) Methyl tert-Butyl Ether	5.13	73	35361	0.281	ppbv		99
29) Chloroform	5.85	83	53307	0.356	ppbv		100
30) Cyclohexane	7.24	84	9725	0.141	ppbv	#	1
31) cis-1,2-Dichloroethene	5.64	61	24107	0.278	ppbv	#	88
32) 1,1,1-Trichloroethane	6.62	97	48740	0.342	ppbv		94
34) 2-Butanone	5.34	43	35399	0.282	ppbv		99
35) Carbon Tetrachloride	7.13	117	52424	0.354	ppbv	#	84
36) Benzene	7.00	78	49327	0.281	ppbv		92
37) 1,2-Dichloroethane	6.41	62	39716	0.338	ppbv		98
38) Trichloroethene	7.96	130	12573	0.190	ppbv		97
39) 1,2-Dichloropropane	7.73	63	15709	0.228	ppbv	#	87
40) 1,4-Dioxane	8.00	88	5117	0.209	ppbv	#	20
42) Bromodichloromethane	7.91	83	49255	0.307	ppbv		98
43) Methyl Methacrylate	8.14	69	12419	0.174	ppbv	#	46
44) 2,2,4-Trimethylpentane	7.99	57	80364	0.262	ppbv	#	87

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

Quantitation Report (Not Reviewed)

Data File : VL033593.D
Acq On : 16 Apr 2019 15:36
Operator : SY/AP
Sample : K2241-14 0.4 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2019

Quant Time: Apr 17 05:52:35 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)
45) t-1,3-Dichloropropene	9.41	75	19738	0.226	ppbv		98
46) cis-1,3-Dichloropropene	8.84	75	23352	0.228	ppbv		92
47) 1,1,2-Trichloroethane	9.61	97	14821	0.190	ppbv	#	91
48) Dibromochloromethane	10.45	129	37762	0.287	ppbv		99
49) Bromoform	13.20	173	11585	0.092	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.89	43	45159	0.245	ppbv		98
52) Tetrachloroethene	11.37	164	16126	0.243	ppbv		93
53) Toluene	9.94	91	44156	0.216	ppbv		100
54) 1,2-Dibromoethane	10.76	107	15695	0.128	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.28	131	11315	0.118	ppbv	#	10
57) Chlorobenzene	12.31	112	17957	0.111	ppbv		92
58) Ethyl Benzene	12.86	91	34682	0.124	ppbv		91
59) m/p-Xylene	13.15	91	74657	0.300	ppbv	#	100
60) o-Xylene	13.84	91	33225	0.138	ppbv	#	40
61) Styrene	13.68	104	12910	0.078	ppbv	#	1
62) Isopropylbenzene	14.82	105	92544	0.271	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	26629	0.150	ppbv	#	24
64) n-propylbenzene	15.72	120	13325	0.154	ppbv	#	1
65) tert-Butylbenzene	16.91	119	71608	0.238	ppbv		87
66) Benzyl Chloride	17.15	91	17117	0.123	ppbv	#	55
67) sec-Butylbenzene	17.45	105	58454	0.137	ppbv	#	60
69) p-Isopropyltoluene	17.81	119	76798	0.221	ppbv		94
70) n-Butylbenzene	18.71	91	46998	0.128	ppbv	#	46
71) 2-Chlorotoluene	15.61	91	33377	0.129	ppbv	#	46
72) 4-Ethyltoluene	15.99	105	29922	0.111	ppbv	#	56
73) 1,3,5-Trimethylbenzene	16.15	105	58568	0.226	ppbv		93
74) 1,2,4-Trimethylbenzene	16.92	105	68762	0.248	ppbv	#	91
75) 1,3-Dichlorobenzene	17.17	146	51790	0.302	ppbv		82
76) 1,4-Dichlorobenzene	17.30	146	48037	0.287	ppbv		94
77) 1,2-Dichlorobenzene	17.98	146	45827	0.282	ppbv		90
78) Hexachloro-1,3-Butadiene	23.53	225	13547	0.126	ppbv	#	1
80) Naphthalene,2-methyl-	25.12	142	2705	0.034	ppbv	#	45
81) 1,2,4-Trichlorobenzene	22.13	180	8538	0.065	ppbv	#	1

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

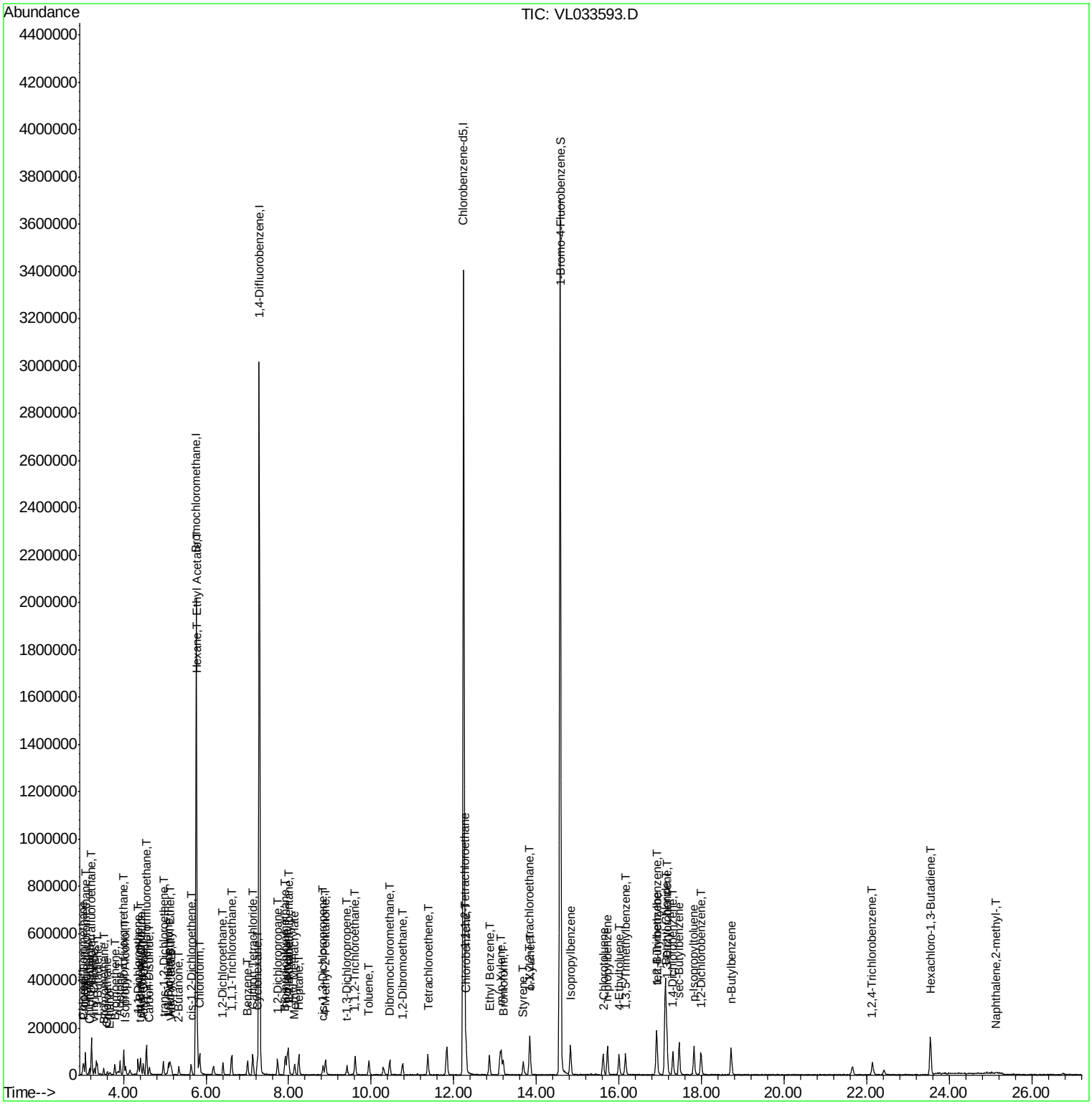
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\

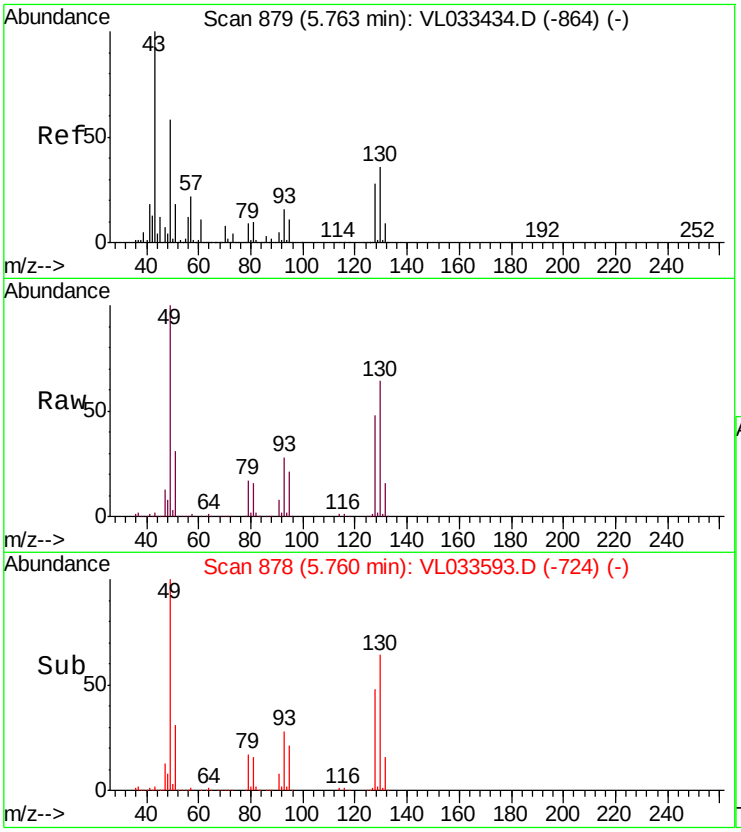
Quantitation Report (Not Reviewed)

Data File : VL033593.D
Acq On : 16 Apr 2019 15:36
Operator : SY/AP
Sample : K2241-14 0.4 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2019

Quant Time: Apr 17 05:52:35 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



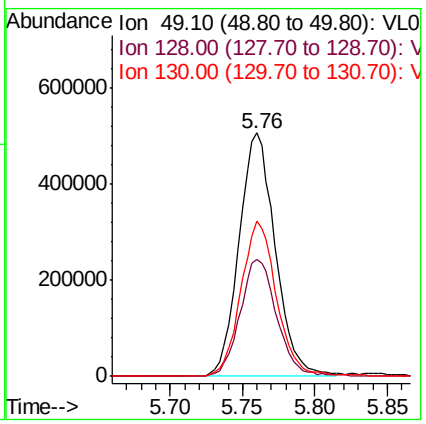


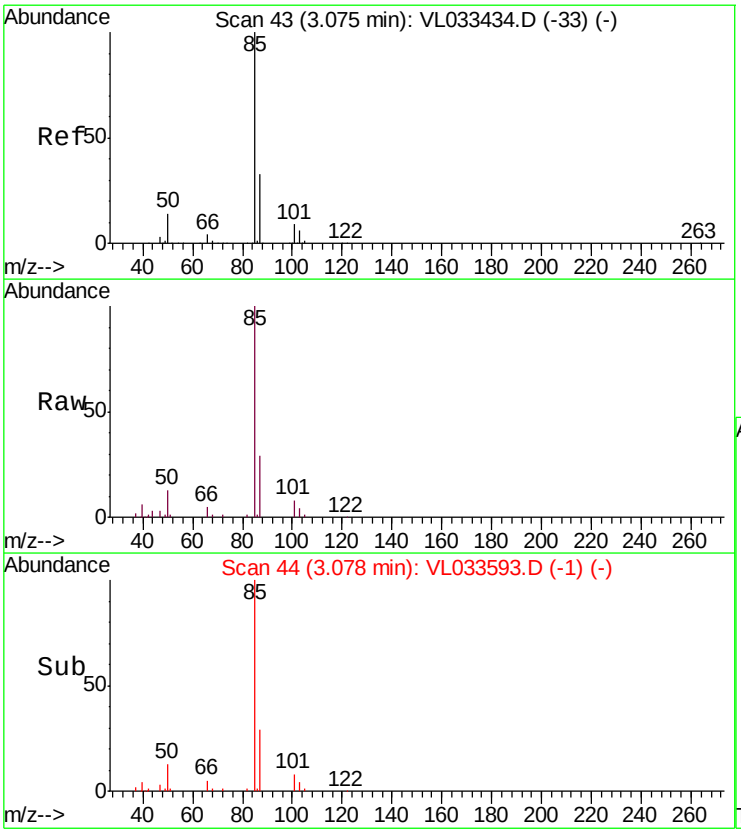
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 49 Resp: 879686

Ion	Ratio	Lower	Upper
49	100		
128	48.8	24.0	72.0
130	63.2	31.2	93.6

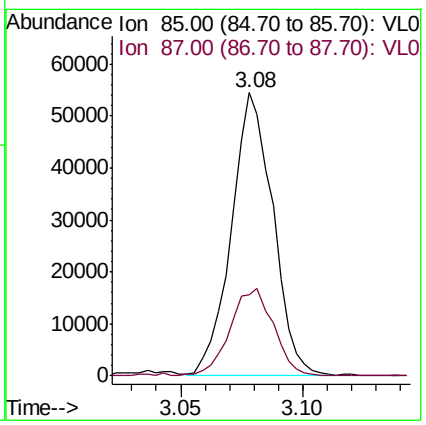


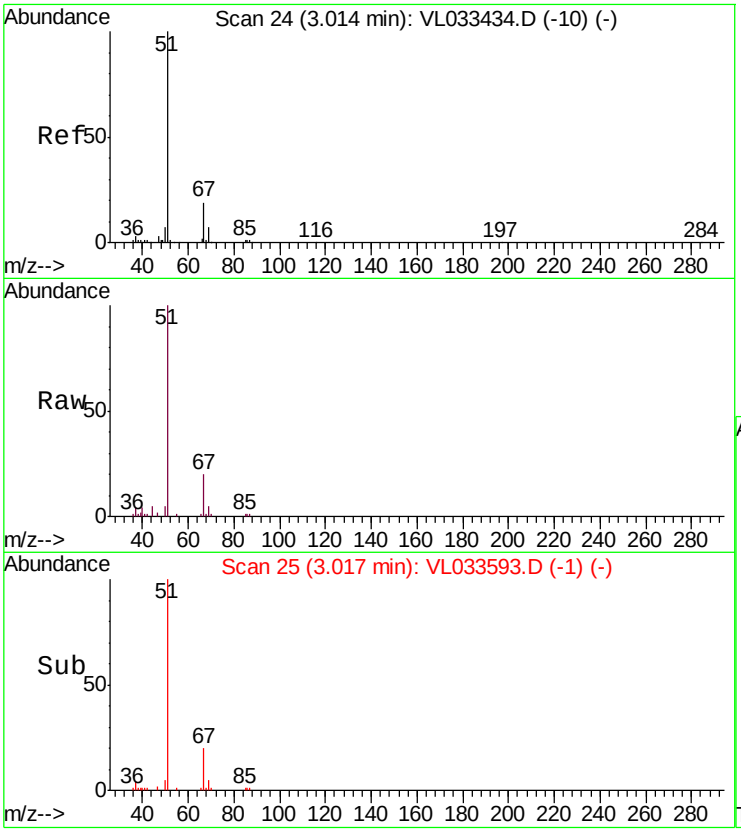


#2
Dichlorodifluoromethane
Concen: 0.496 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 85 Resp: 63697

Ion	Ratio	Lower	Upper
85	100		
87	28.6	26.7	40.1



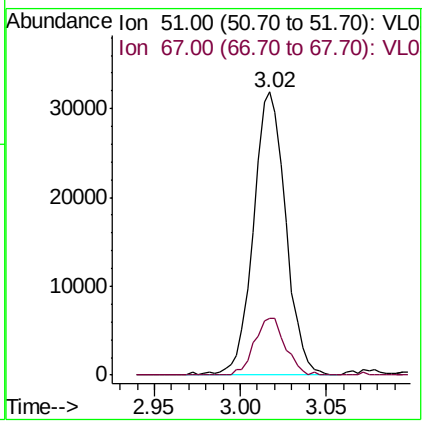


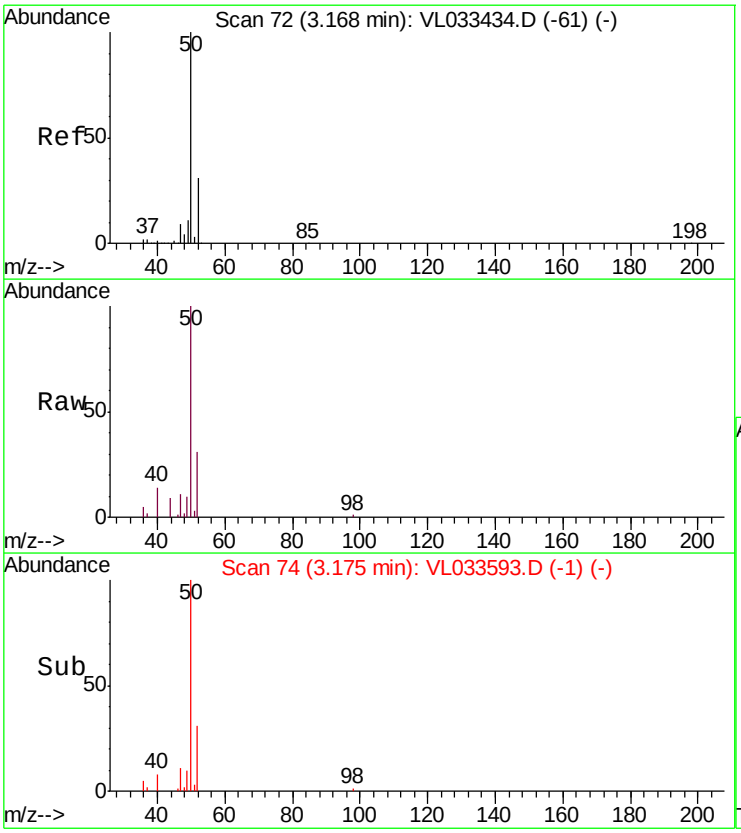
#3
Chlorodifluoromethane
Concen: 0.409 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 51 Resp: 41456

Ion	Ratio	Lower	Upper
51	100		
67	19.2	15.7	23.5

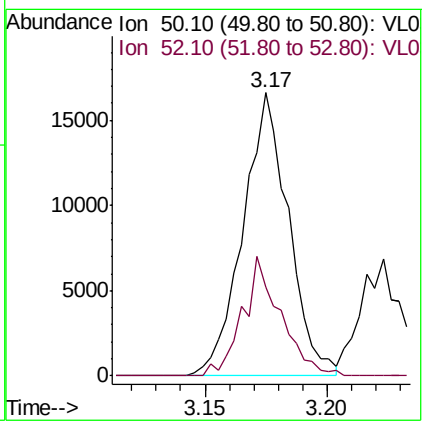


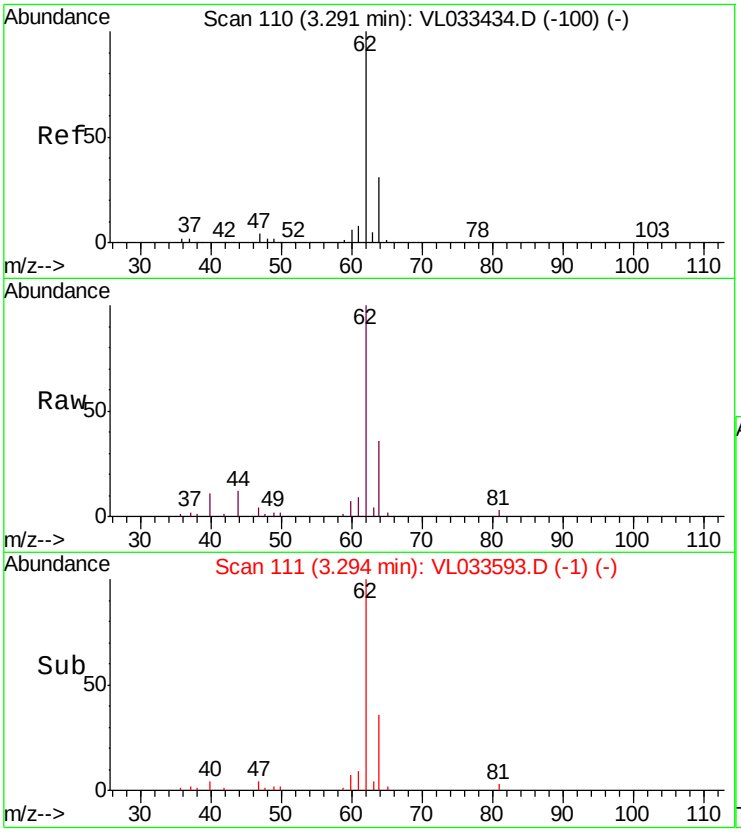


#4
Chloromethane
Concen: 0.402 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 50 Resp: 21518

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.0	37.6



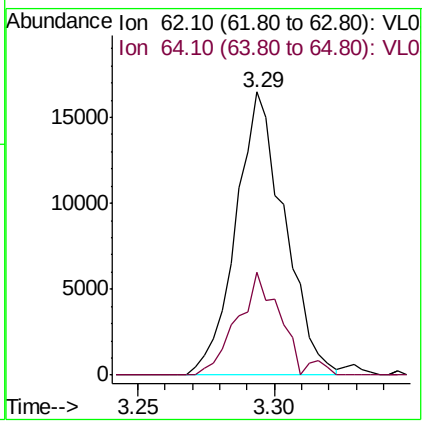


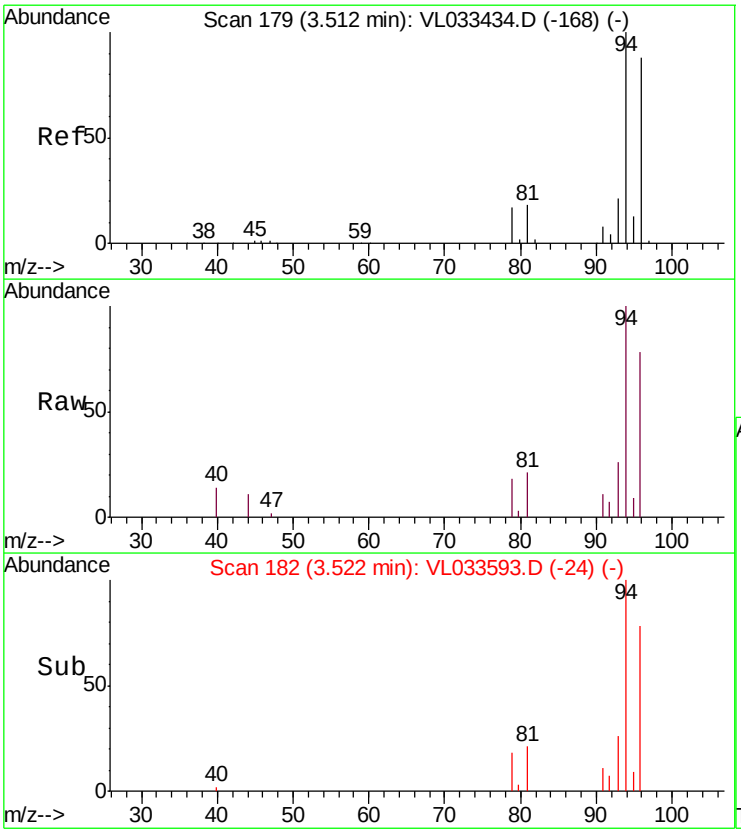
#5
Vinyl Chloride
Concen: 0.387 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 62 Resp: 20395

Ion	Ratio	Lower	Upper
62	100		
64	36.4	24.9	37.3

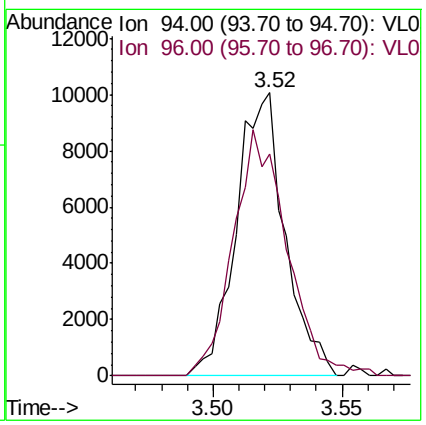


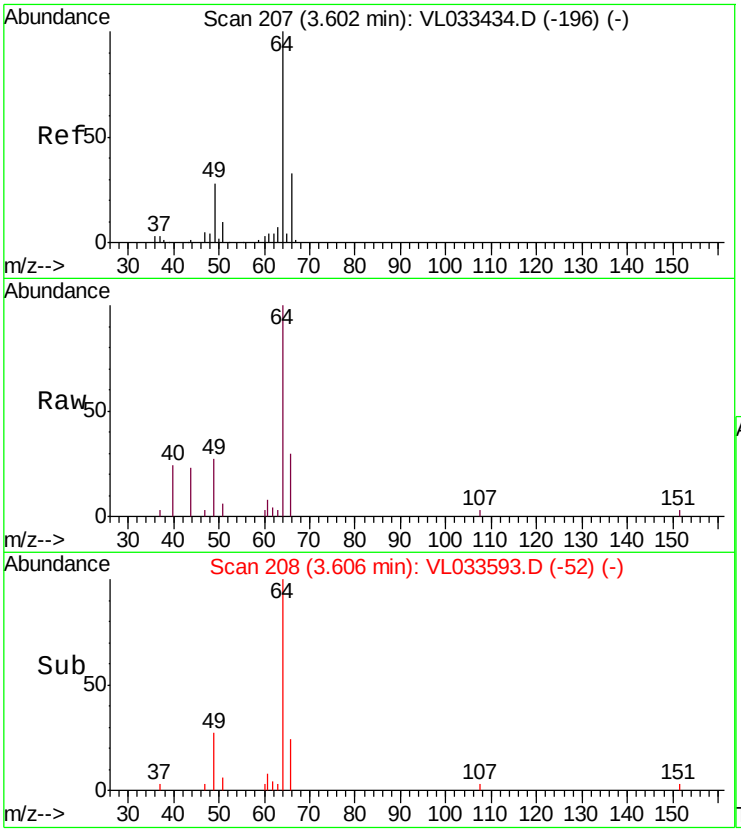


#6
Bromomethane
Concen: 0.393 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 94 Resp: 13286

Ion	Ratio	Lower	Upper
94	100		
96	78.3	70.2	105.2



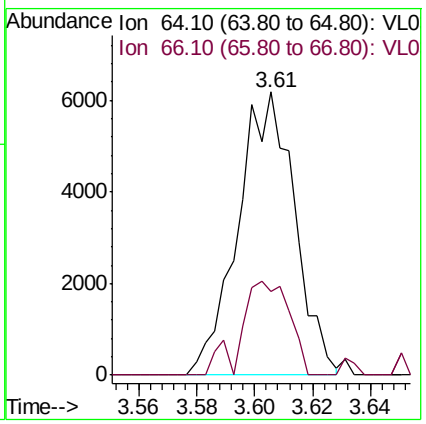


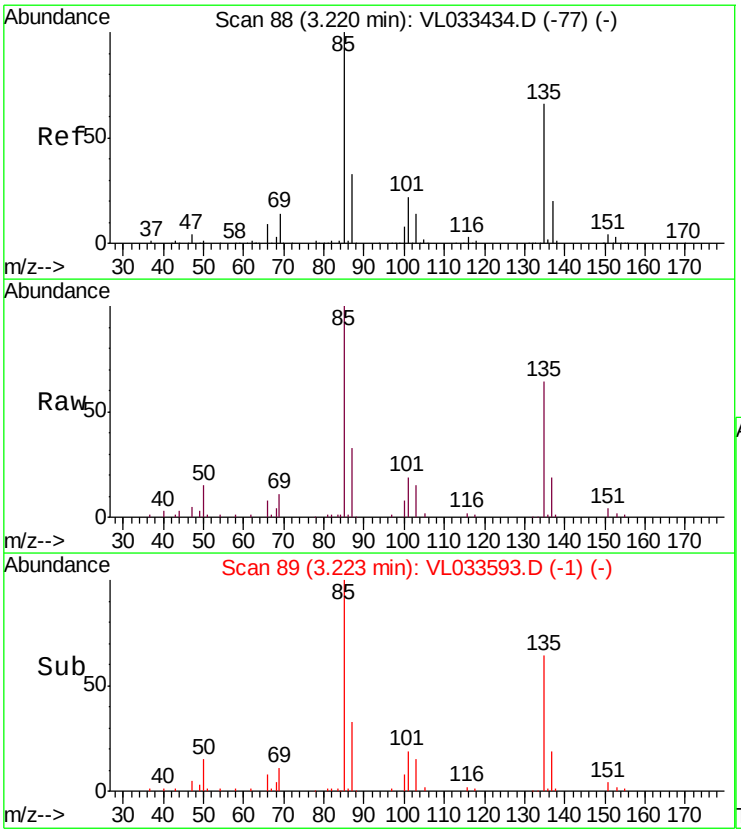
#7
Chloroethane
Concen: 0.428 ppbv
RT: 3.61 min Scan# 208
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 64 Resp: 8393

Ion	Ratio	Lower	Upper
64	100		
66	29.7	26.7	40.1

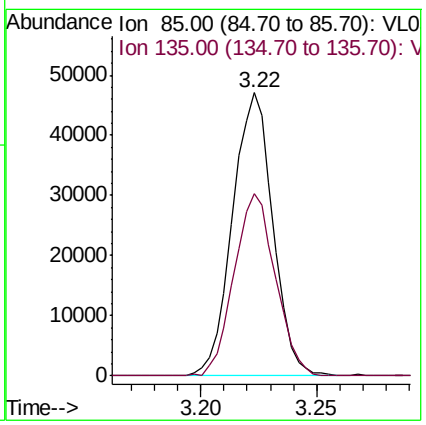


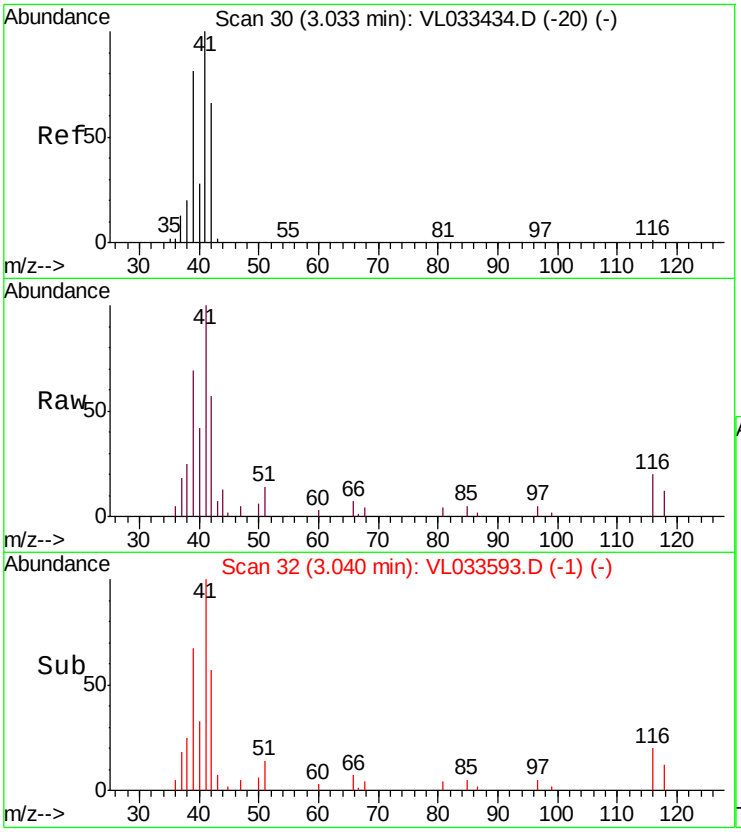


#8
Dichlorotetrafluoroethane
Concen: 0.415 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 85 Resp: 56721

Ion	Ratio	Lower	Upper
85	100		
135	65.9	54.0	81.0



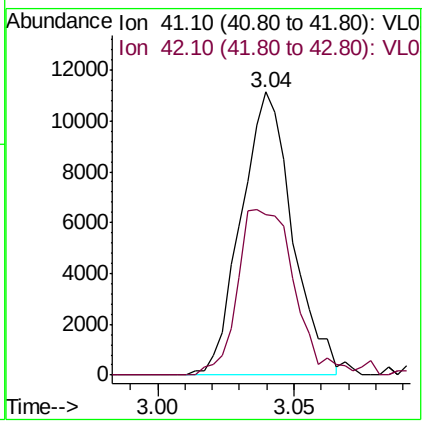


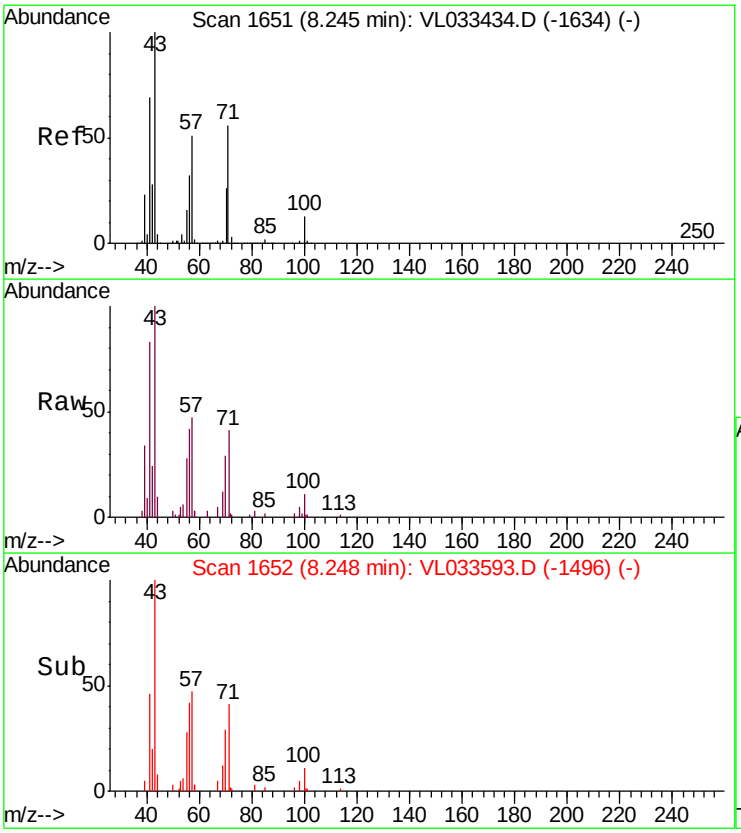
#9
Propene
Concen: 0.342 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 41 Resp: 14527

Ion	Ratio	Lower	Upper
41	100		
42	66.3	53.9	80.9

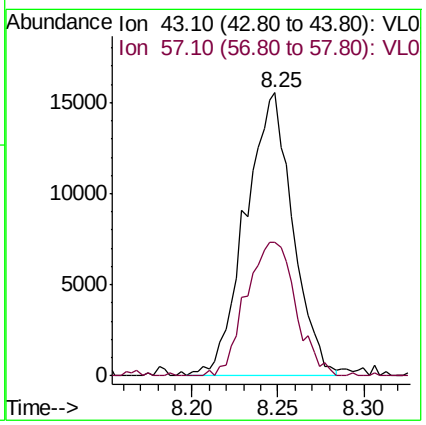


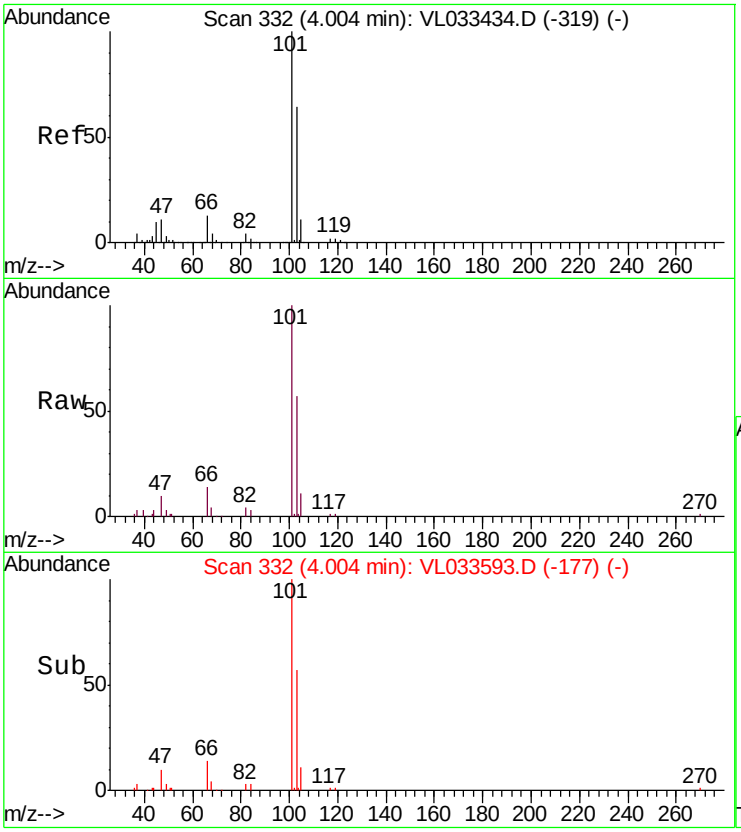


#10
Heptane
Concen: 0.261 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 43 Resp: 29728

Ion	Ratio	Lower	Upper
43	100		
57	49.3	40.6	60.8



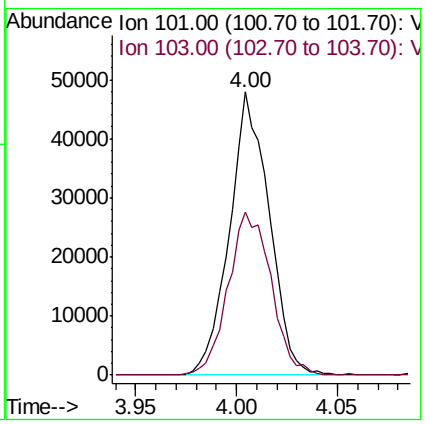


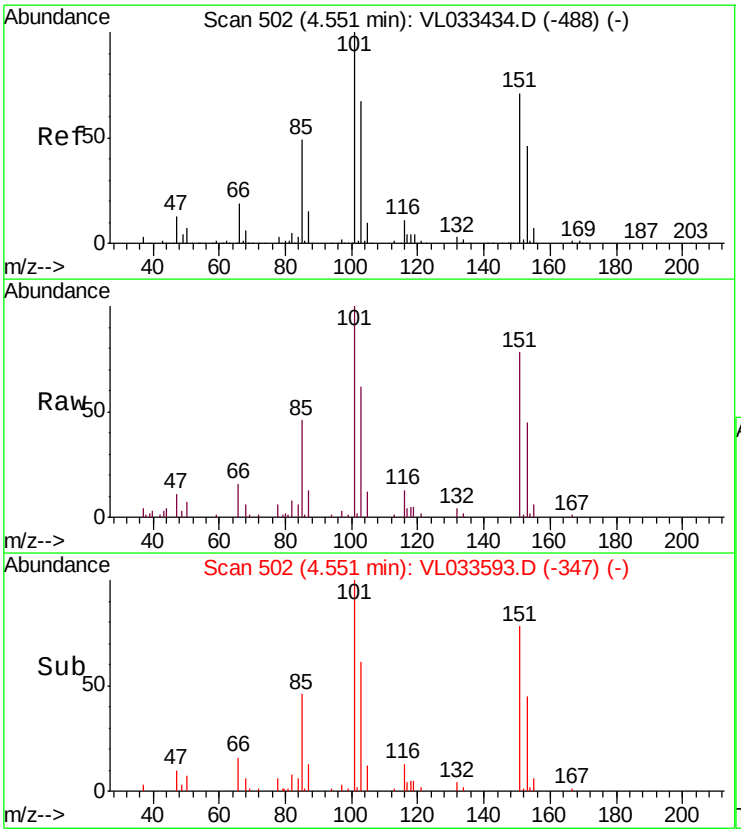
#11
Trichlorofluoromethane
Concen: 0.417 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:101 Resp: 65927

Ion	Ratio	Lower	Upper
101	100		
103	57.4	51.3	76.9

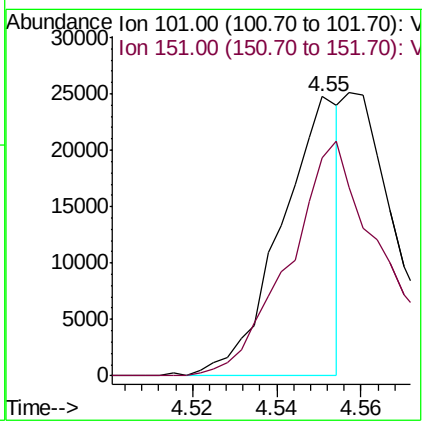


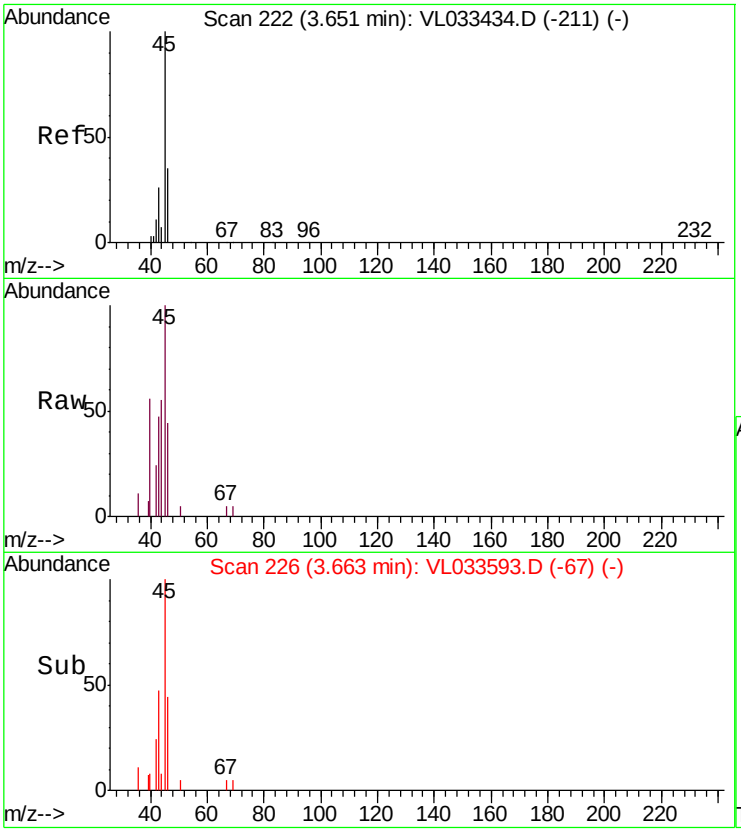


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.222 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:101 Resp: 23611

Ion	Ratio	Lower	Upper
101	100		
151	0.0	57.7	86.5#



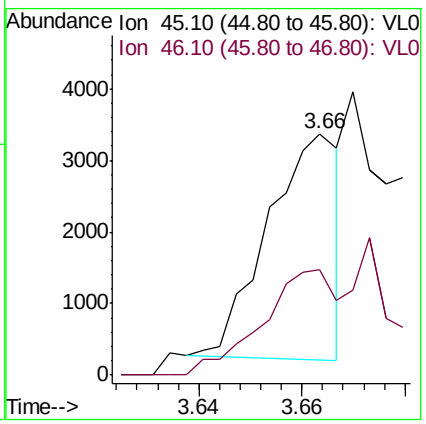


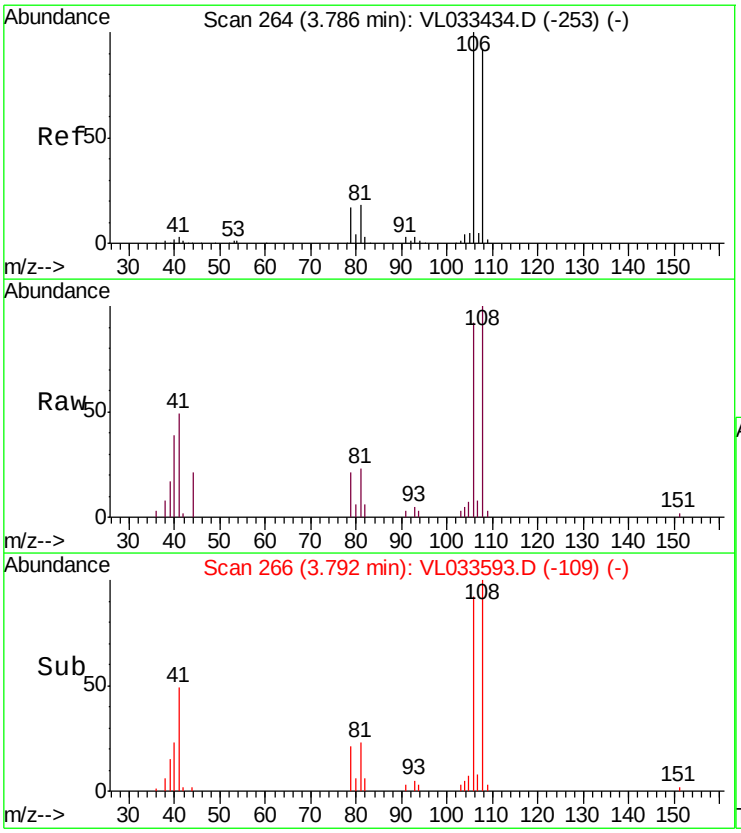
#13
Ethanol
Concen: 0.274 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 45 Resp: 3020

Ion	Ratio	Lower	Upper
45	100		
46	0.0	25.4	101.8#

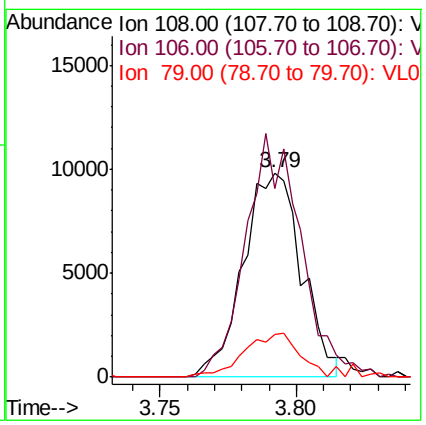


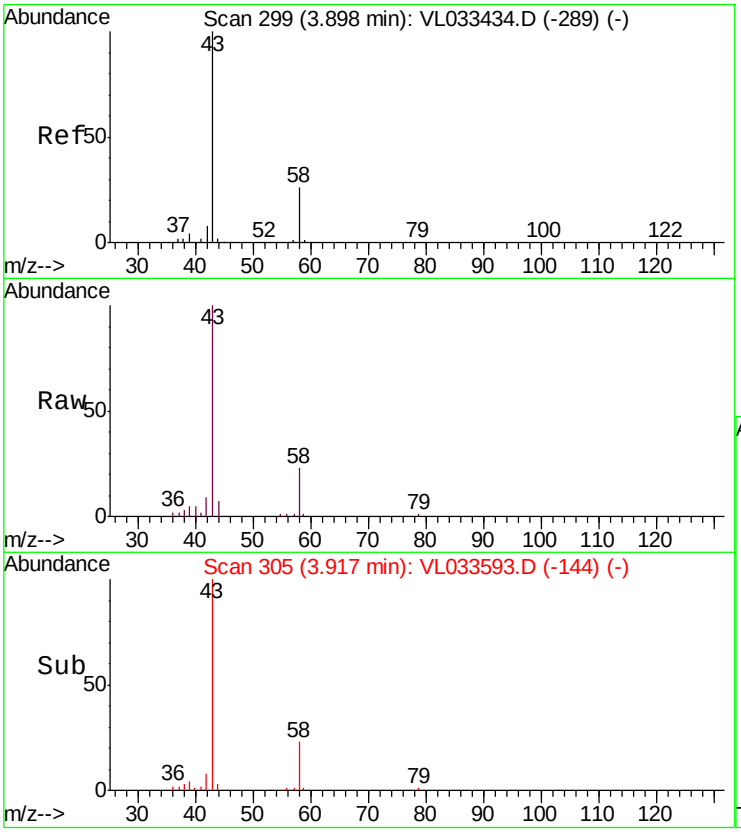


#14
Bromoethene
Concen: 0.345 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:108 Resp: 14631

Ion	Ratio	Lower	Upper
108	100		
106	112.5	86.4	129.6
79	22.0	15.8	23.8



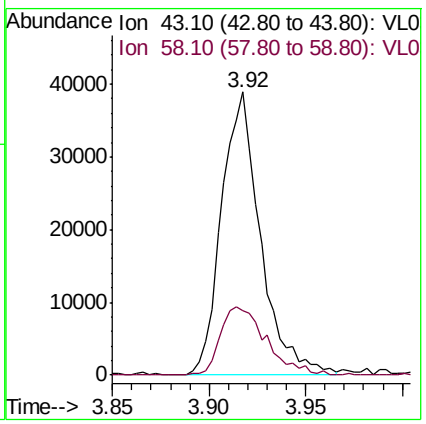


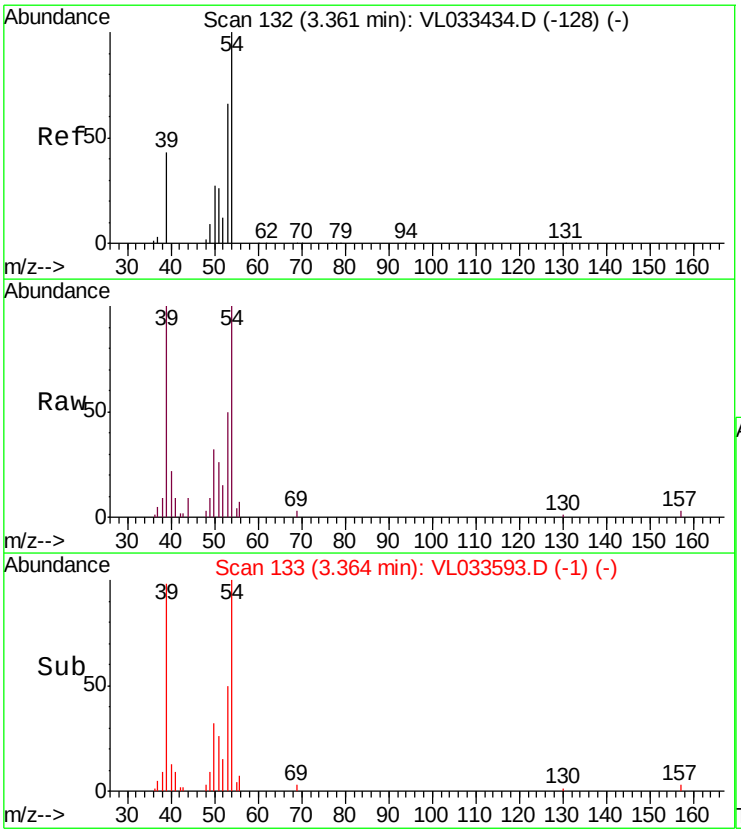
#15
Acetone
Concen: 0.516 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.02 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 43 Resp: 54547

Ion	Ratio	Lower	Upper
43	100		
58	28.6	20.5	30.7

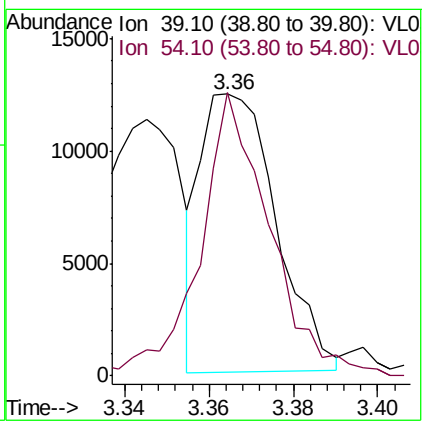


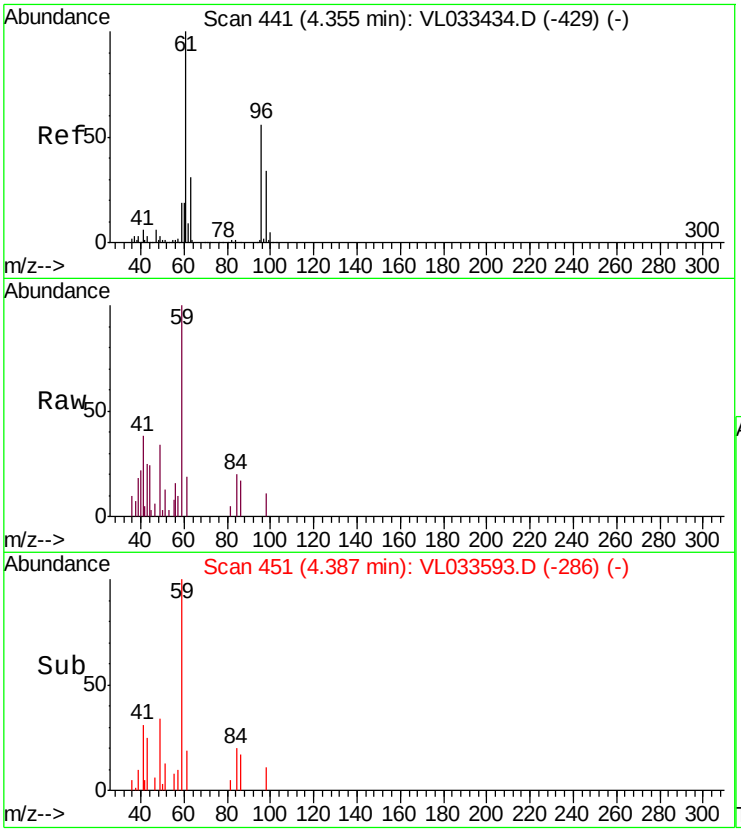


#16
1,3-Butadiene
Concen: 0.366 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 39 Resp: 15339

Ion	Ratio	Lower	Upper
39	100		
54	94.6	69.4	104.2



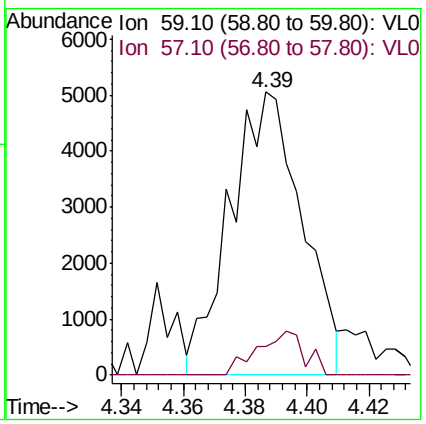


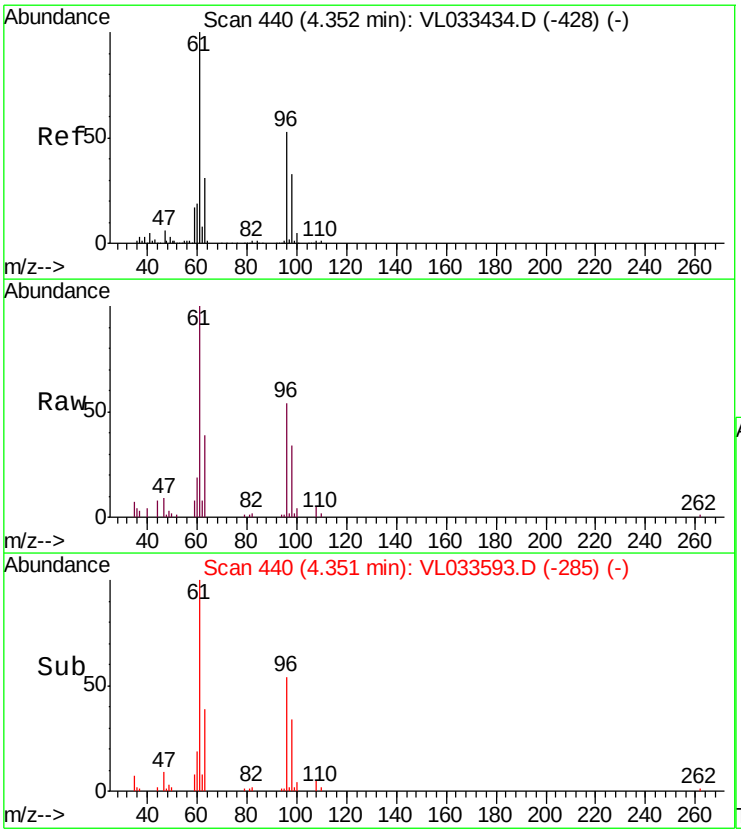
#17
tert-Butyl alcohol
Concen: 0.419 ppbv
RT: 4.39 min Scan# 451
Delta R.T. 0.03 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 59 Resp: 8153

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

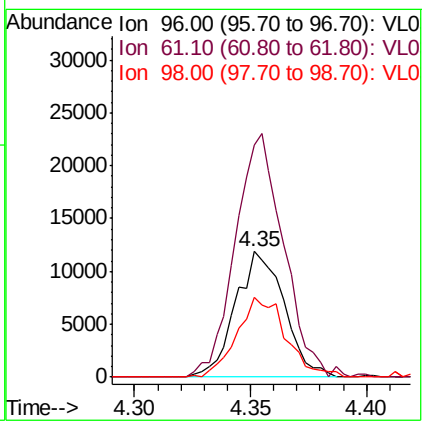


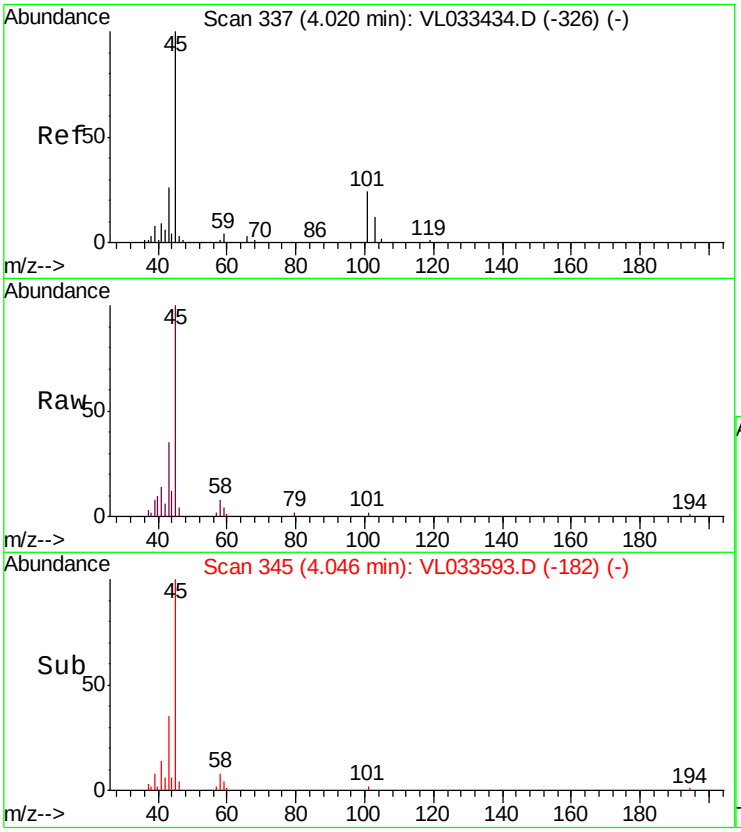


#18
1,1-Dichloroethene
Concen: 0.380 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 96 Resp: 17326

Ion	Ratio	Lower	Upper
96	100		
61	185.1	149.8	224.6
98	63.5	48.7	73.1



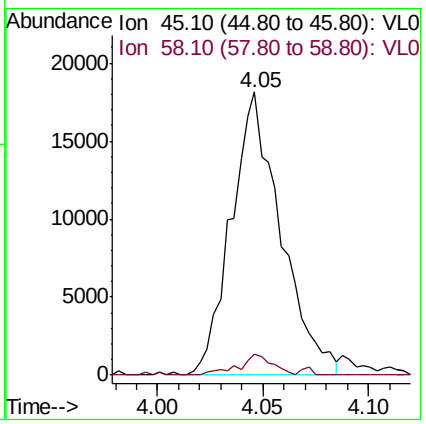


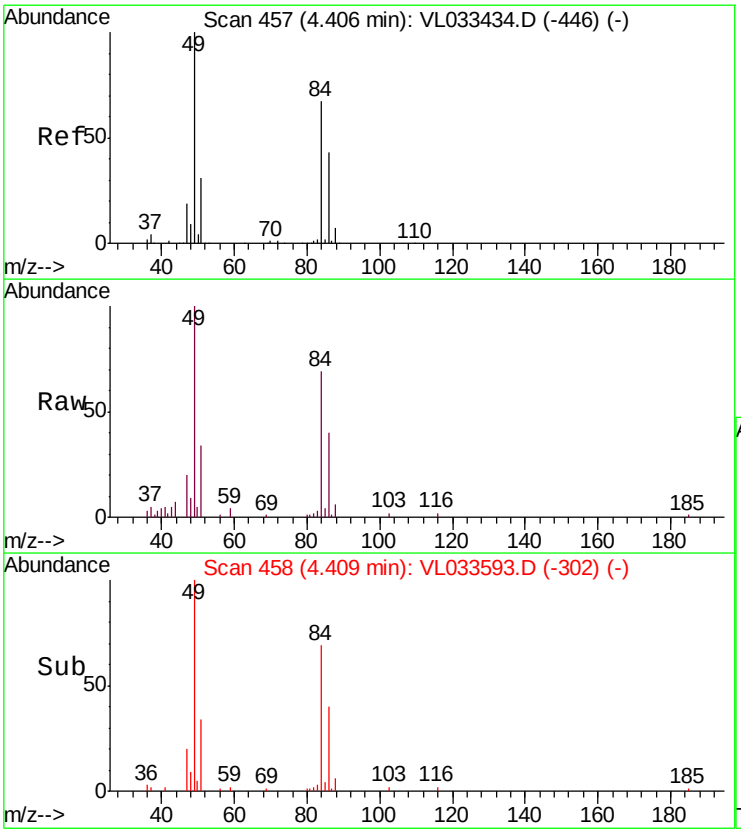
#19
Isopropyl Alcohol
Concen: 0.443 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.03 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 45 Resp: 29662

Ion	Ratio	Lower	Upper
45	100		
58	5.6	1.4	2.2#

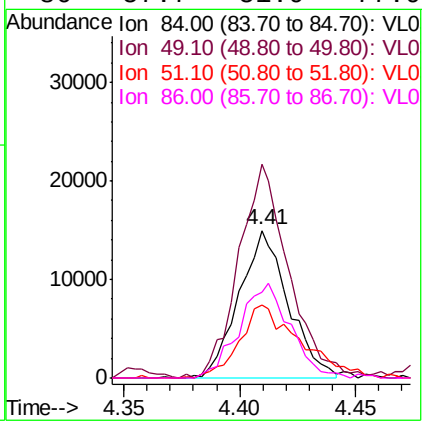


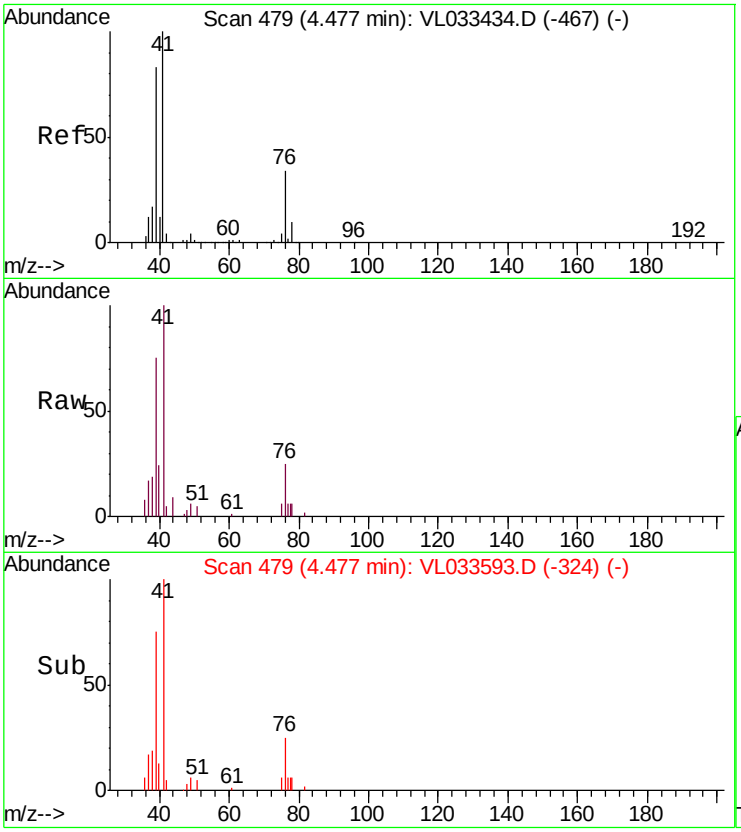


#20
Methylene Chloride
Concen: 0.494 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 84 Resp: 22160

Ion	Ratio	Lower	Upper
84	100		
49	149.6	120.0	180.0
51	48.3	36.7	55.1
86	57.7	51.9	77.9



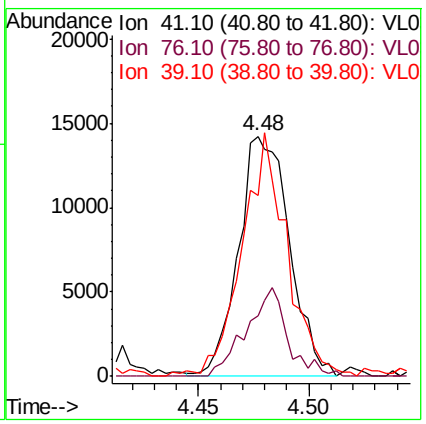


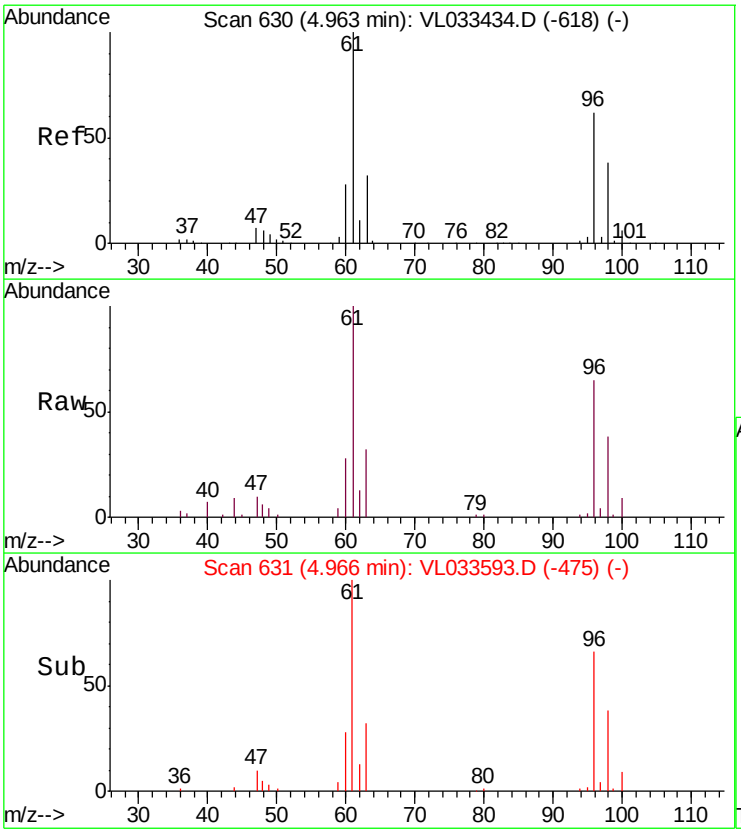
#21
Allyl Chloride
Concen: 0.342 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 41 Resp: 22858

Ion	Ratio	Lower	Upper
41	100		
76	29.8	25.4	38.2
39	91.9	65.3	97.9

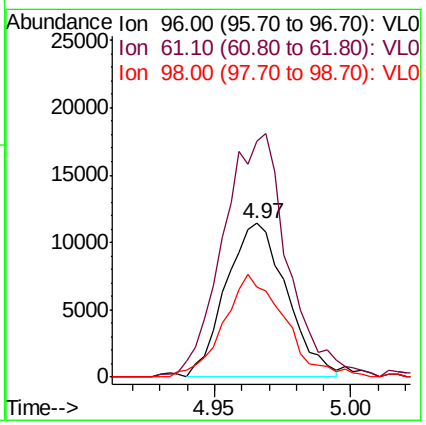


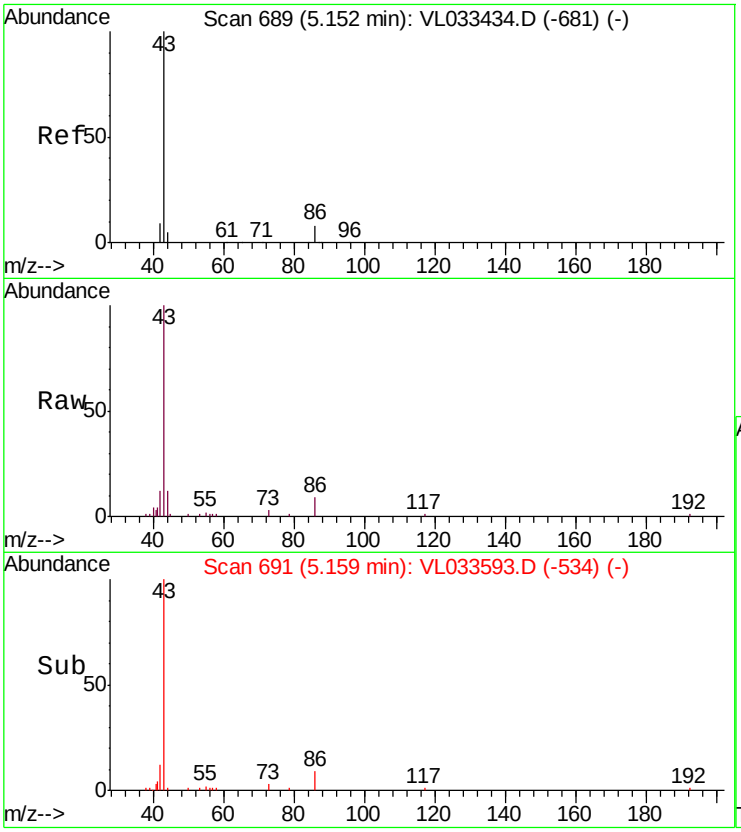


#22
trans-1,2-Dichloroethene
Concen: 0.372 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 96 Resp: 17690

Ion	Ratio	Lower	Upper
96	100		
61	142.5	128.9	193.3
98	56.6	49.5	74.3



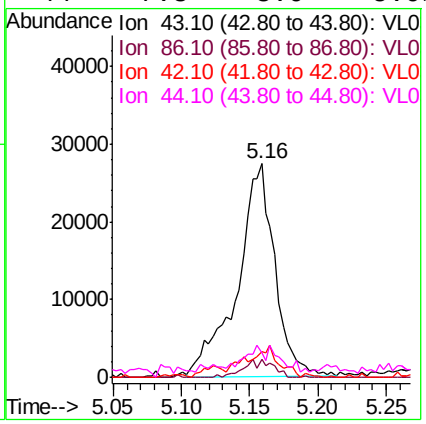


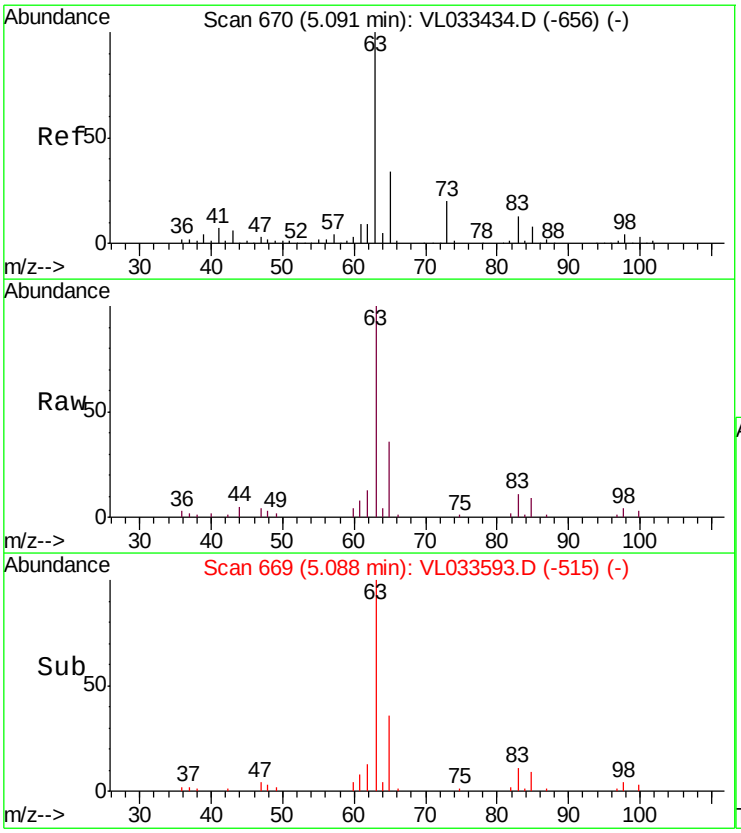
#23
Vinyl Acetate
Concen: 0.348 ppbv
RT: 5.16 min Scan# 691
Delta R.T. 0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 43 Resp: 52413

Ion	Ratio	Lower	Upper
43	100		
86	8.7	5.6	8.4#
42	11.4	8.0	12.0
44	7.8	3.9	5.9#

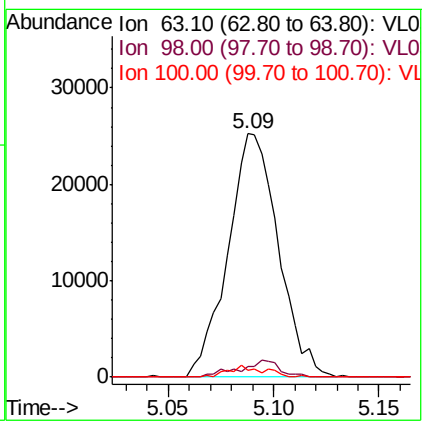


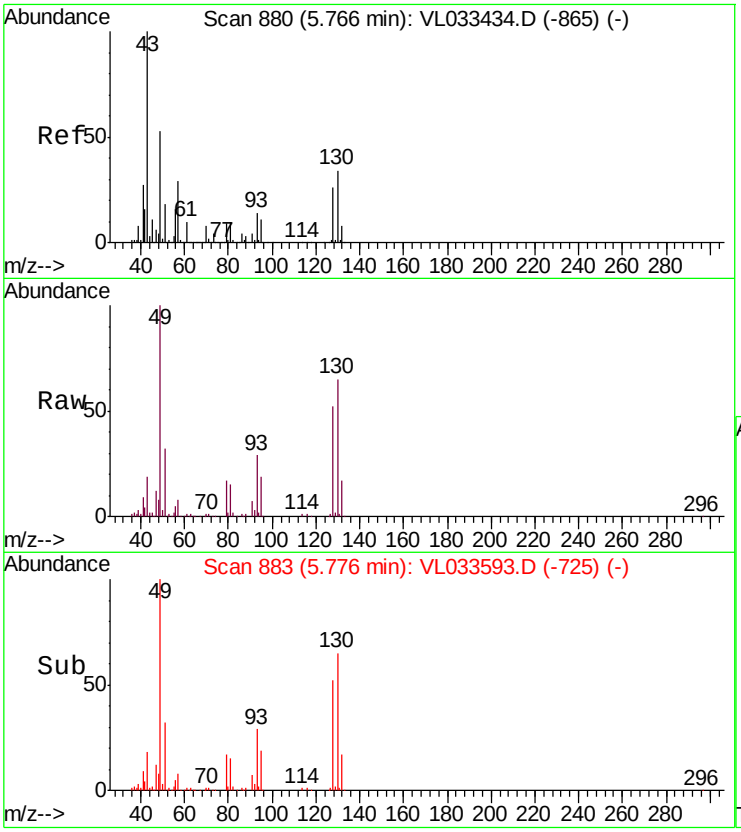


#24
1,1-Dichloroethane
Concen: 0.366 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 63 Resp: 41799

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.2	6.6
100	2.7	1.5	4.4



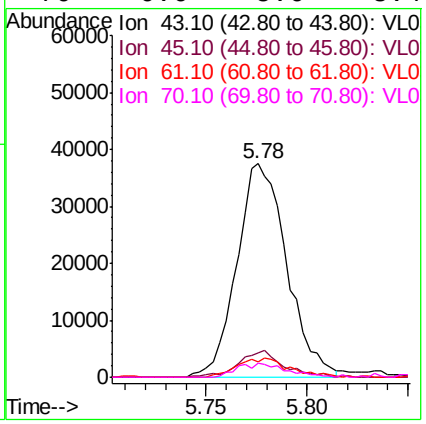


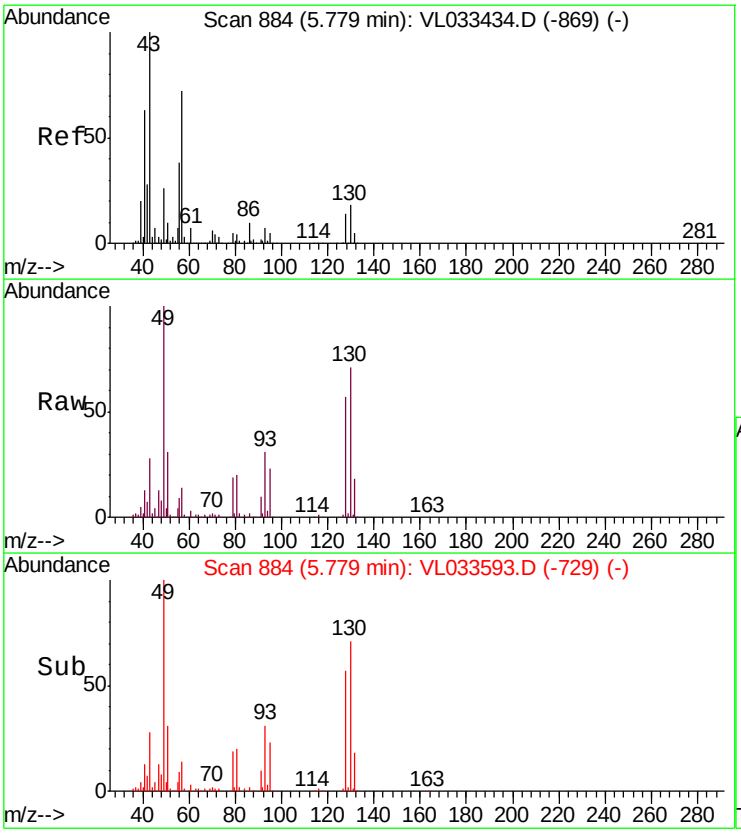
#25
Ethyl Acetate
Concen: 0.331 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 43 Resp: 65016

Ion	Ratio	Lower	Upper
43	100		
45	11.1	7.8	11.6
61	9.6	7.3	10.9
70	6.6	5.6	8.4

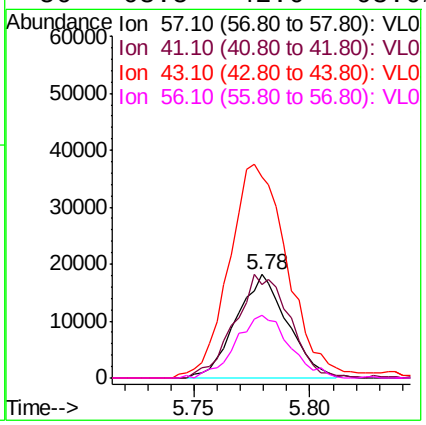


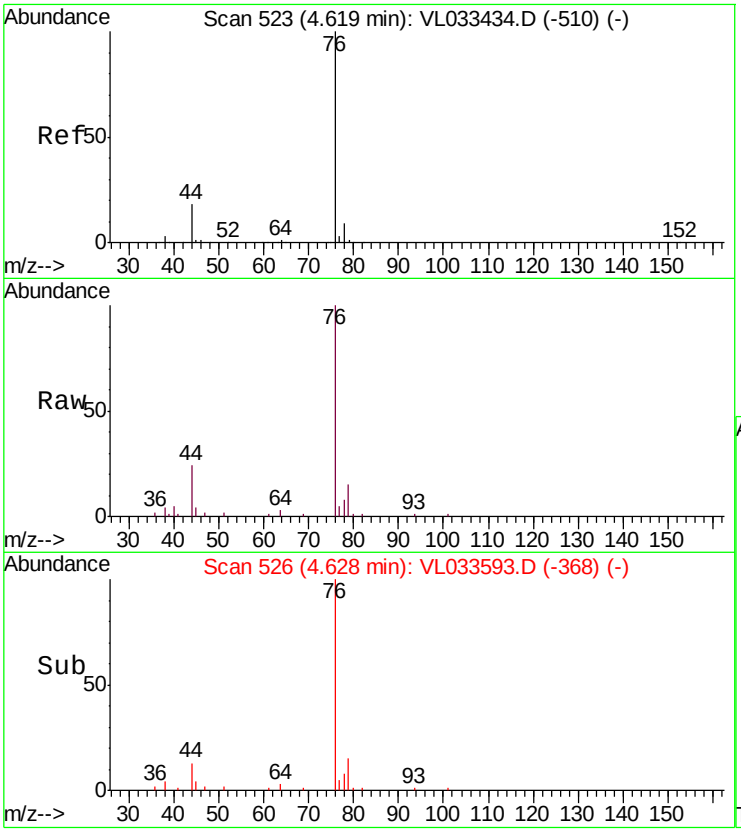


#26
Hexane
Concen: 0.323 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 57 Resp: 28156

Ion	Ratio	Lower	Upper
57	100		
41	107.6	70.7	106.1#
43	237.8	182.6	274.0
56	63.5	42.0	63.0#



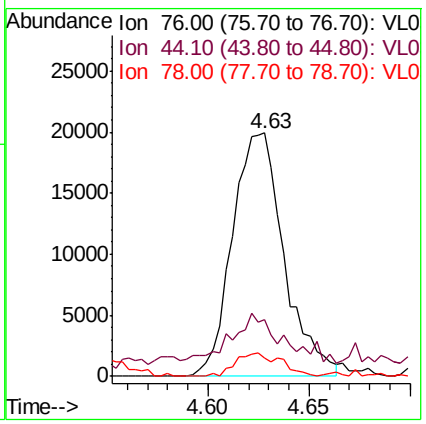


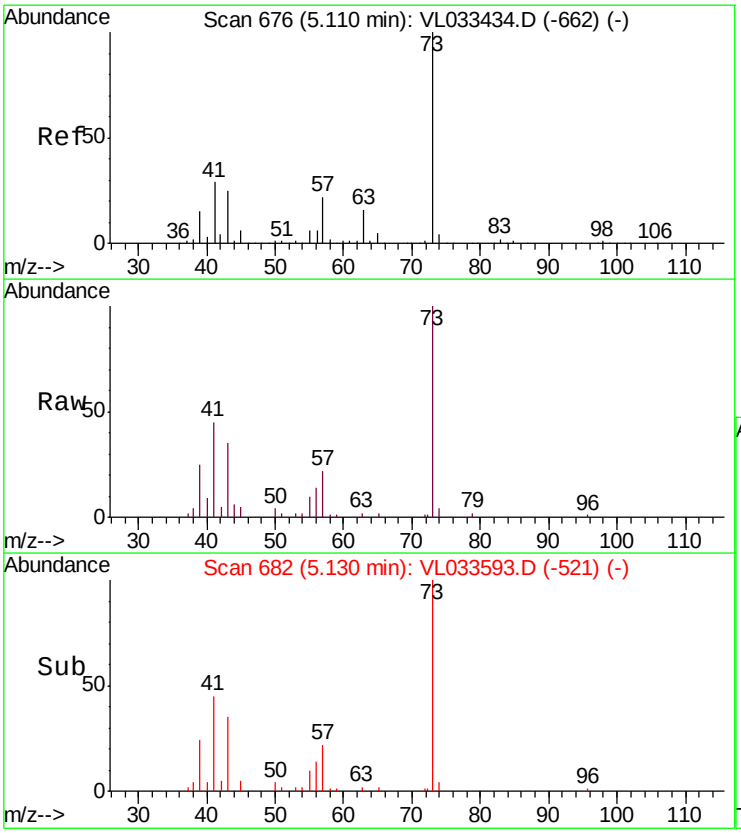
#27
Carbon Disulfide
Concen: 0.345 ppbv
RT: 4.63 min Scan# 526
Delta R.T. 0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 76 Resp: 35766

Ion	Ratio	Lower	Upper
76	100		
44	24.8	14.8	22.2#
78	9.3	7.6	11.4

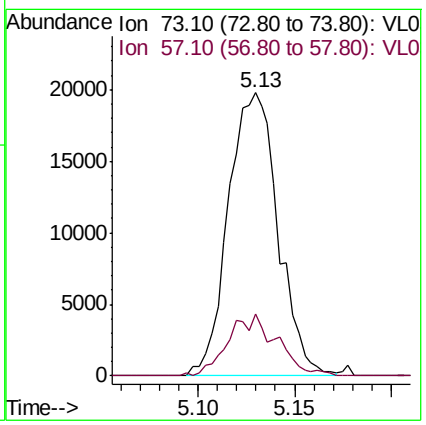


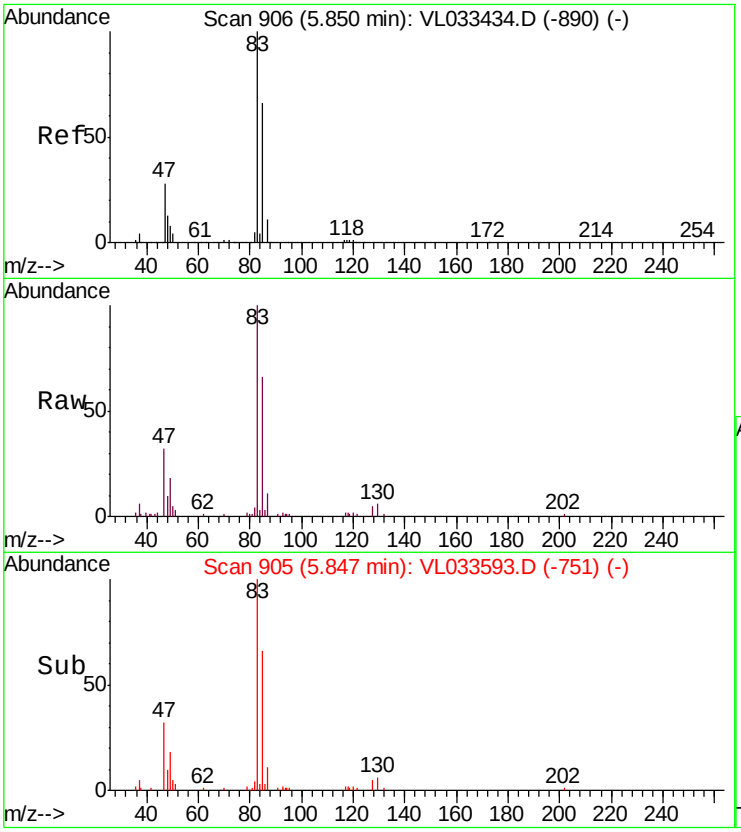


#28
Methyl tert-Butyl Ether
Concen: 0.281 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.02 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 73 Resp: 35361

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.2



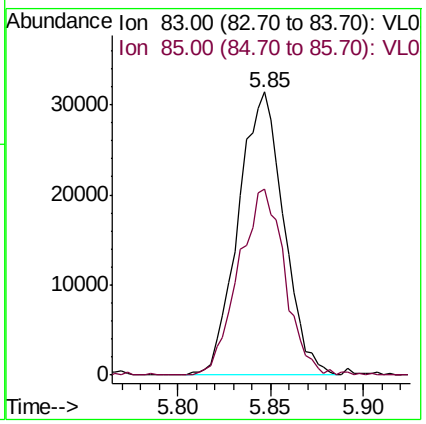


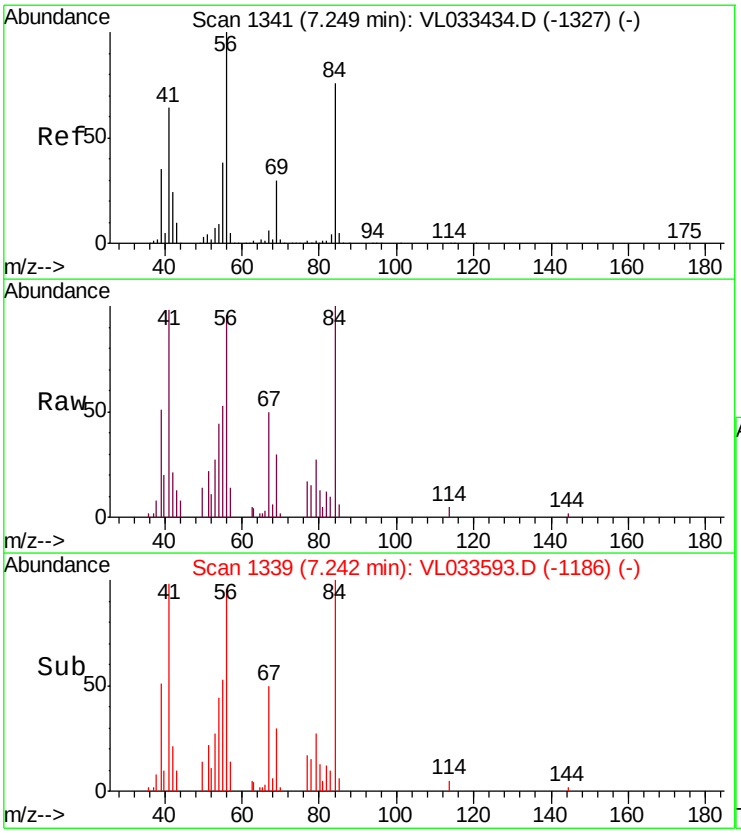
#29
Chloroform
Concen: 0.356 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 83 Resp: 53307

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.6	79.0

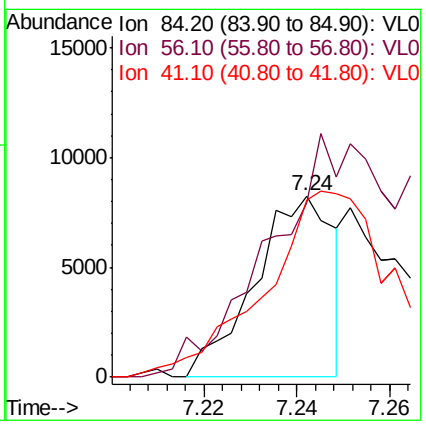


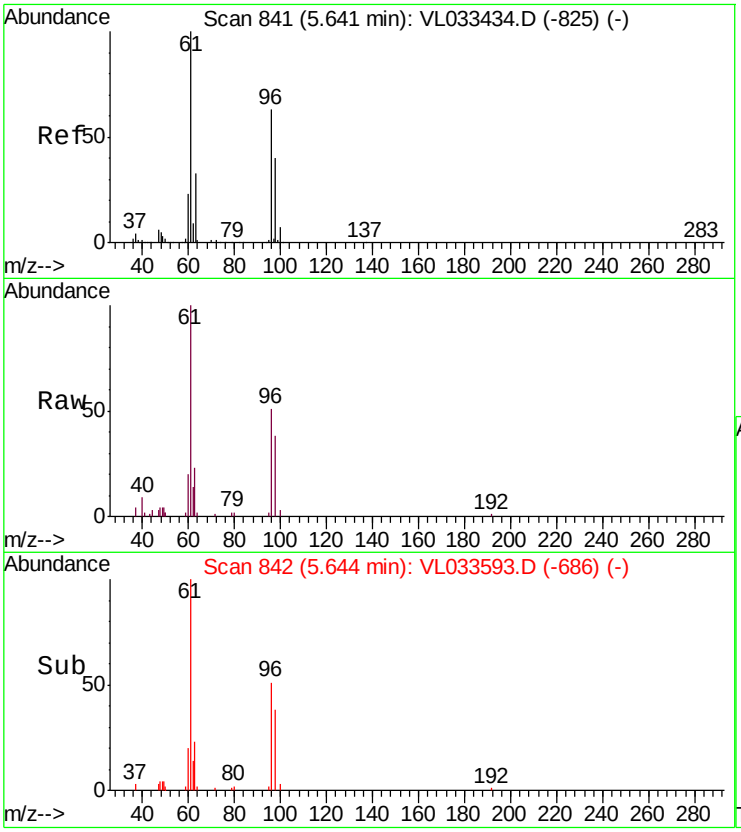


#30
Cyclohexane
Concen: 0.141 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 84 Resp: 9725

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.7	164.5#
41	176.8	68.2	102.2#



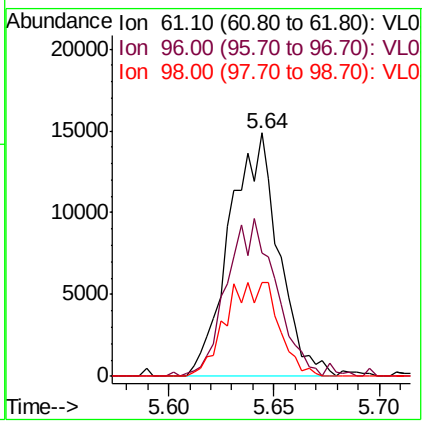


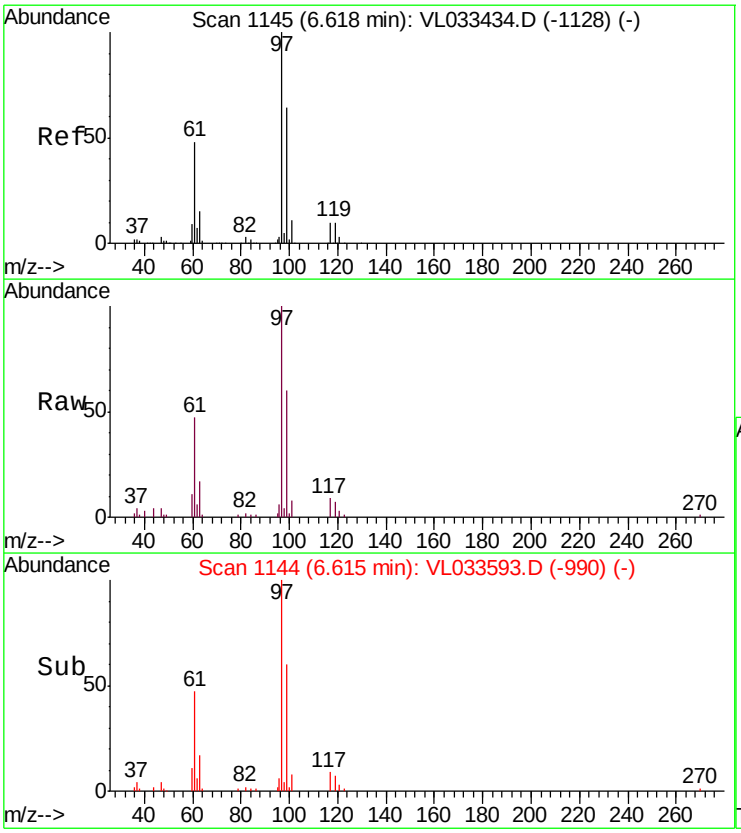
#31
cis-1,2-Dichloroethene
Concen: 0.278 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 61 Resp: 24107

Ion	Ratio	Lower	Upper
61	100		
96	49.4	50.6	76.0#
98	38.4	32.2	48.2

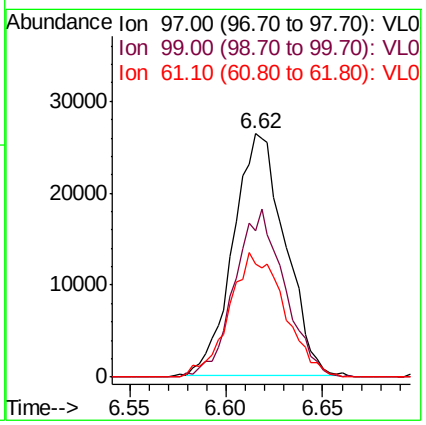


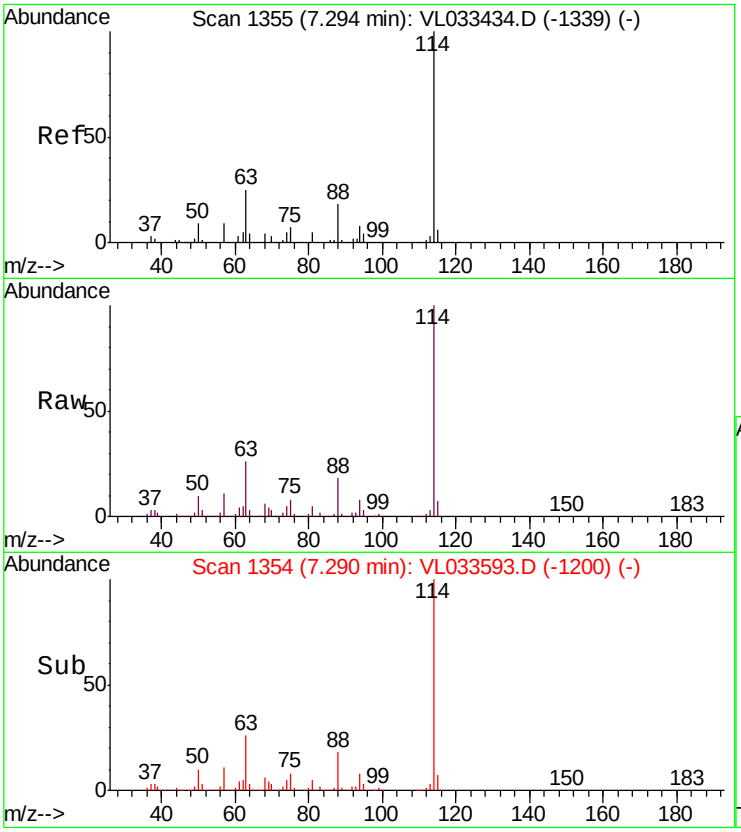


#32
1,1,1-Trichloroethane
Concen: 0.342 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 97 Resp: 48740

Ion	Ratio	Lower	Upper
97	100		
99	67.2	51.5	77.3
61	54.7	38.8	58.2



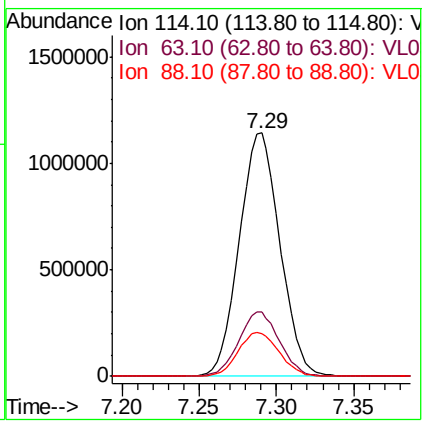


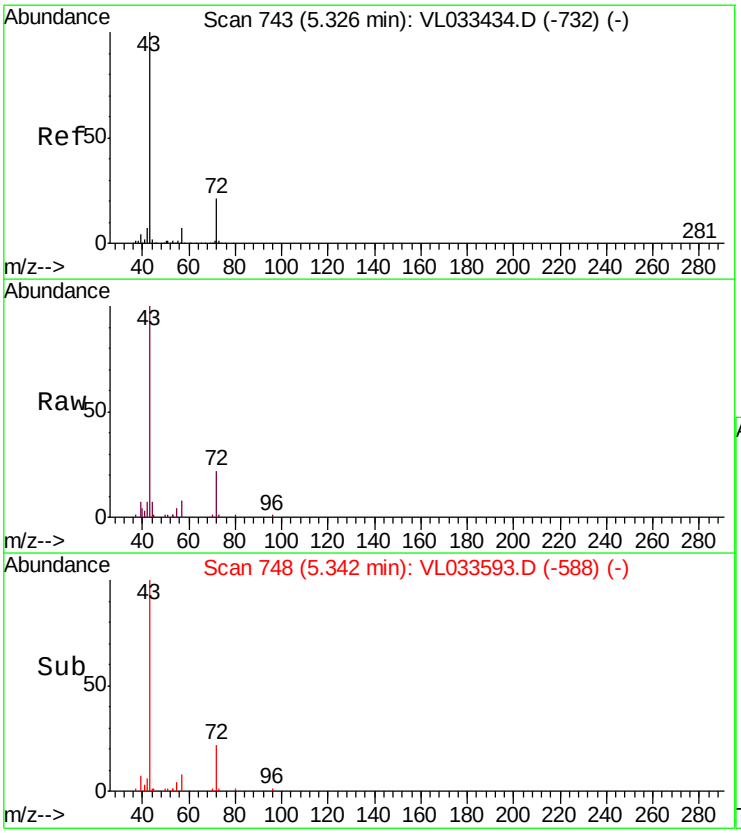
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:114 Resp: 2092323

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.5	32.3
88	18.3	14.5	21.7

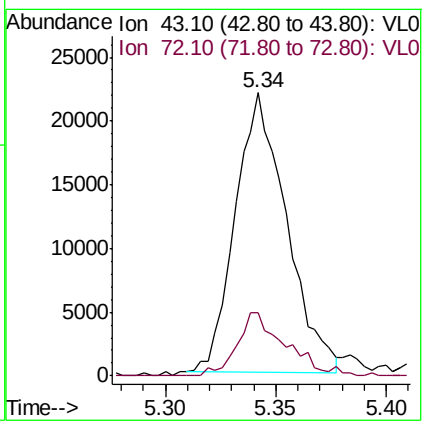


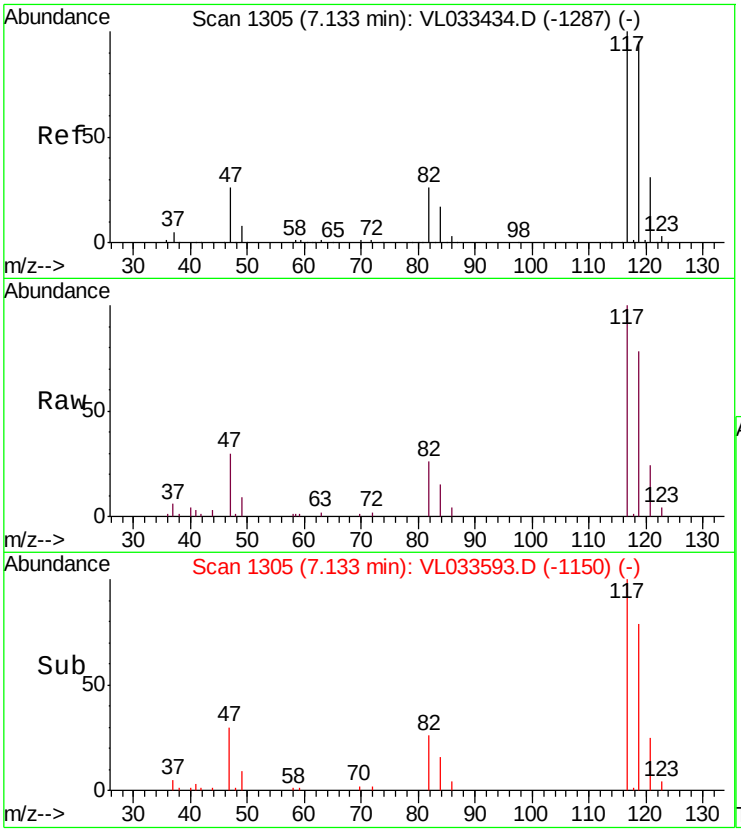


#34
2-Butanone
Concen: 0.282 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.02 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 43 Resp: 35399

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.4	26.2



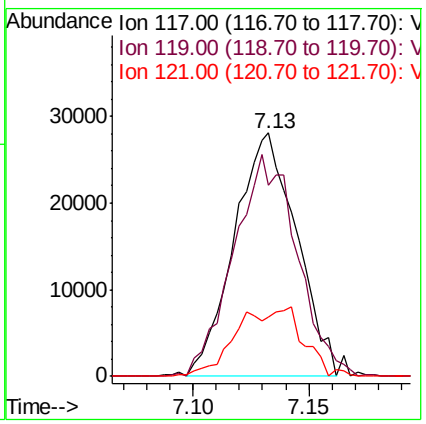


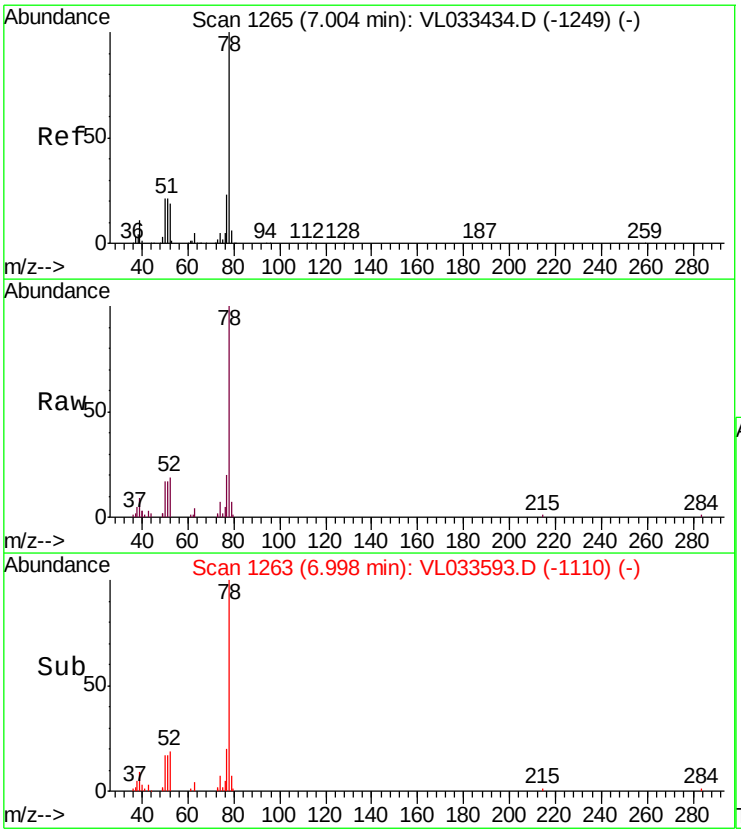
#35
Carbon Tetrachloride
Concen: 0.354 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:117 Resp: 52424

Ion	Ratio	Lower	Upper
117	100		
119	78.4	75.8	113.8
121	23.6	24.7	37.1#

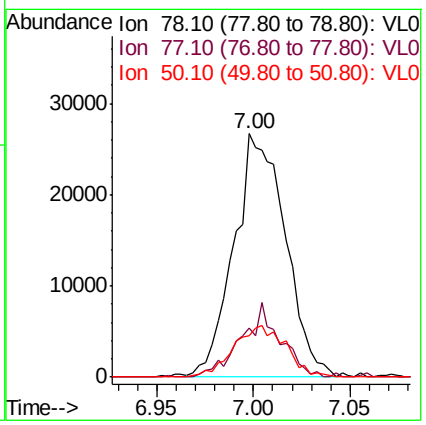


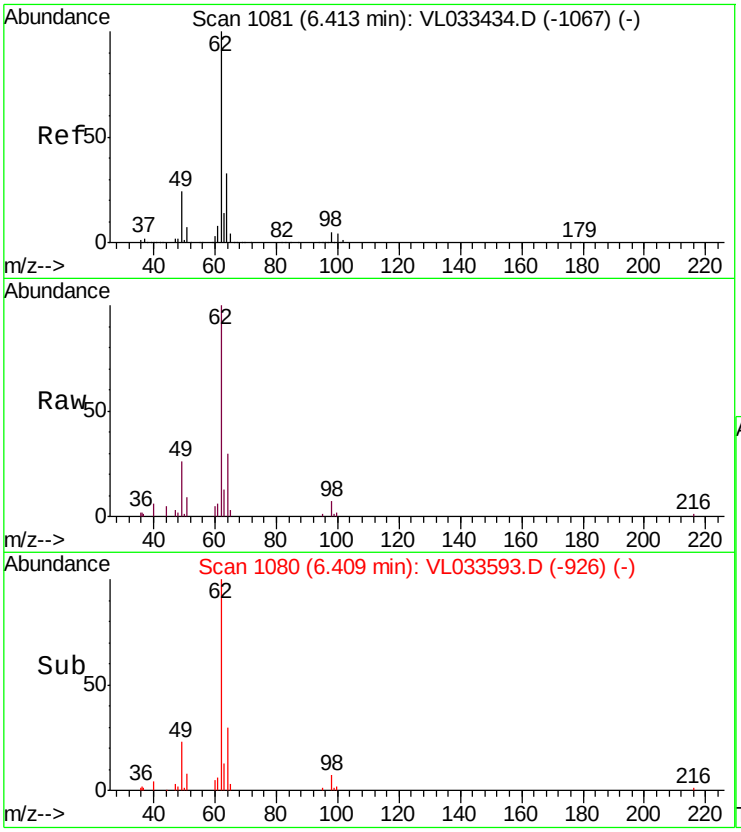


#36
Benzene
Concen: 0.281 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 78 Resp: 49327

Ion	Ratio	Lower	Upper
78	100		
77	19.5	18.1	27.1
50	16.9	16.7	25.1



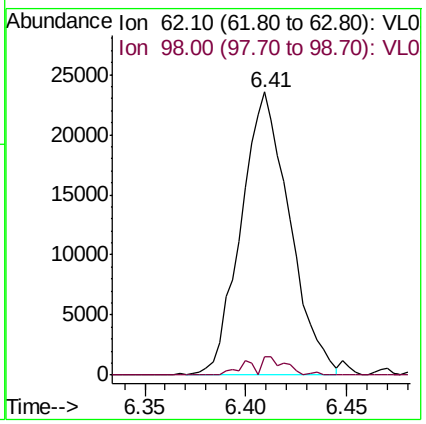


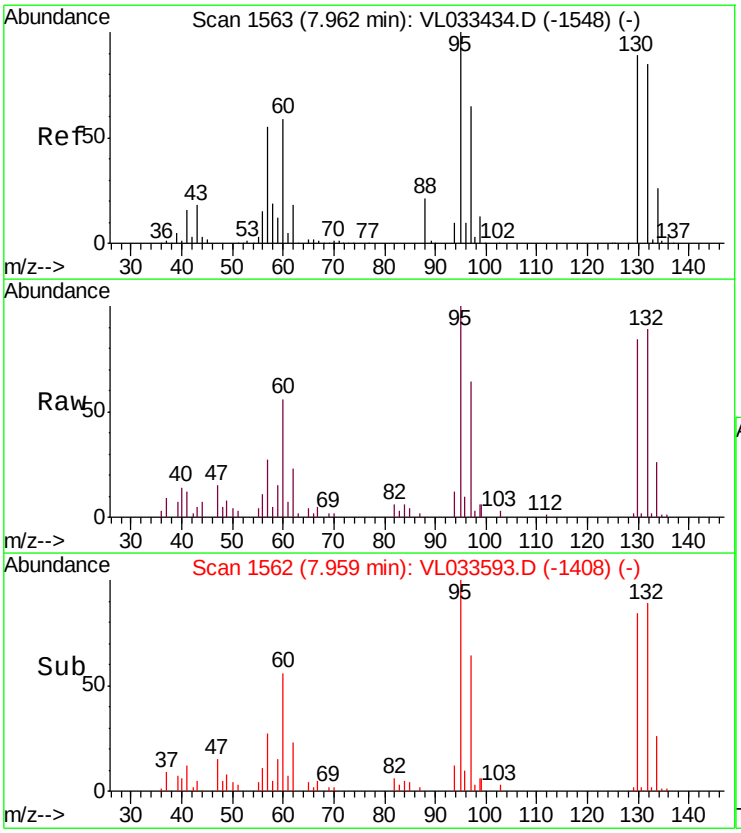
#37
1,2-Dichloroethane
Concen: 0.338 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 62 Resp: 39716

Ion	Ratio	Lower	Upper
62	100		
98	4.8	4.4	6.6

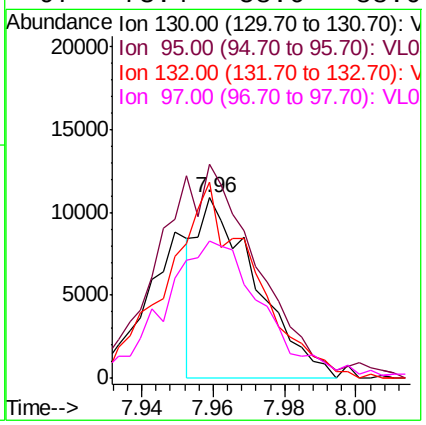


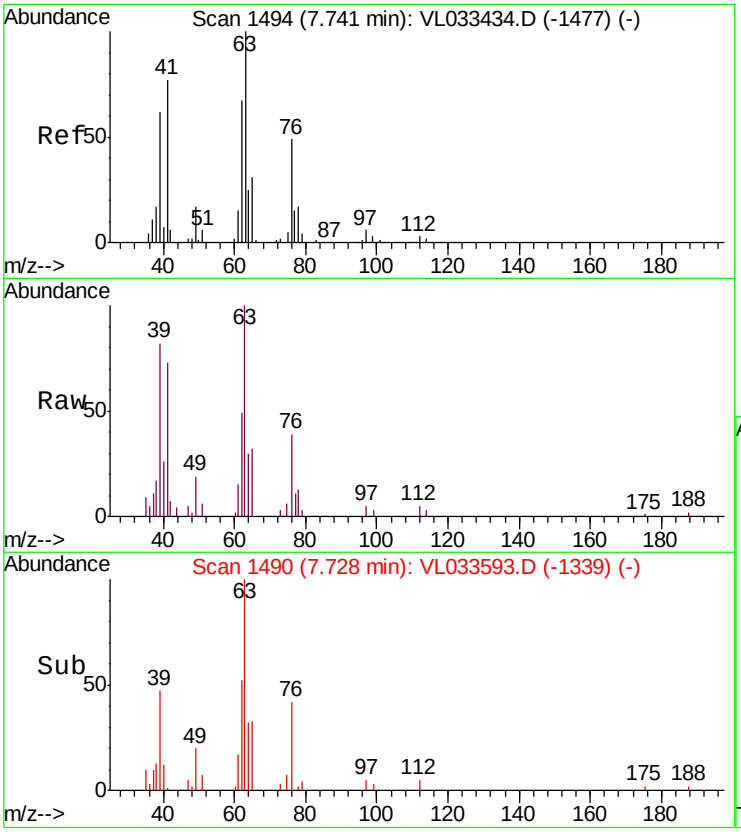


#38
Trichloroethene
Concen: 0.190 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:130 Resp: 12573

Ion	Ratio	Lower	Upper
130	100		
95	111.1	89.8	134.8
132	102.3	76.6	115.0
97	73.4	58.6	88.0



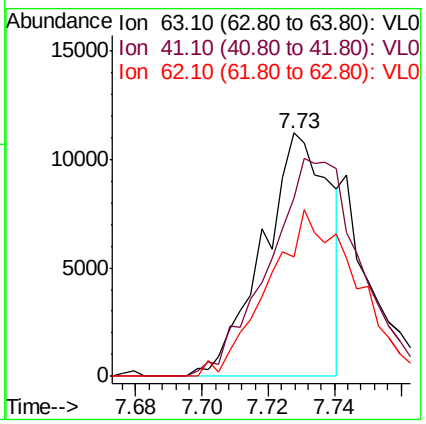


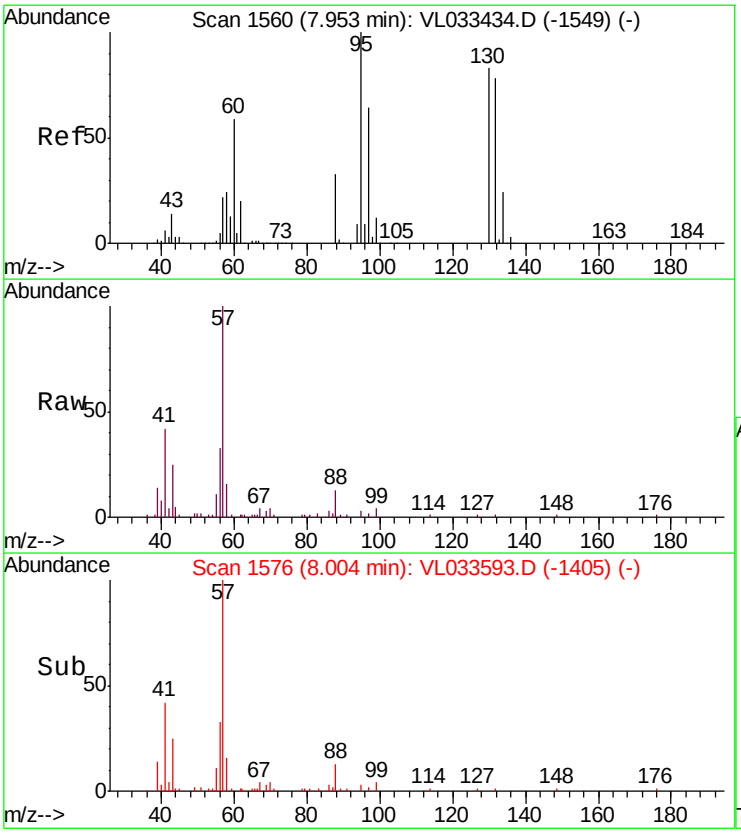
#39
1,2-Dichloropropane
Concen: 0.228 ppbv
RT: 7.73 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 63 Resp: 15709

Ion	Ratio	Lower	Upper
63	100		
41	73.2	61.2	91.8
62	49.1	54.0	81.0#

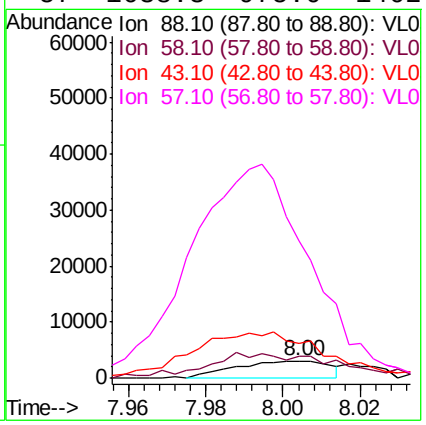


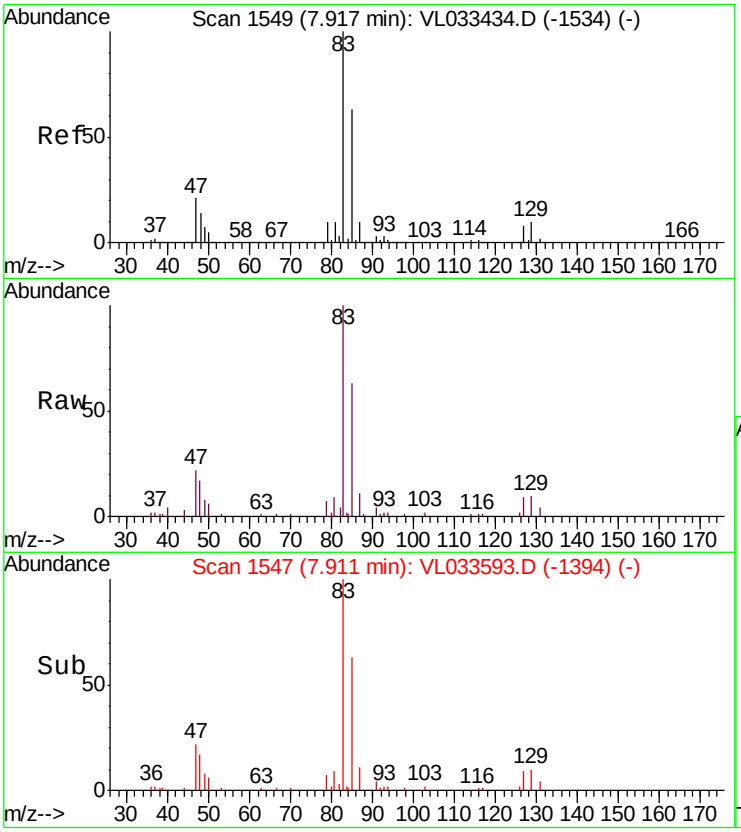


#40
1,4-Dioxane
Concen: 0.209 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. 0.05 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 88 Resp: 5117

Ion	Ratio	Lower	Upper
88	100		
58	219.1	105.6	158.4#
43	411.1	216.7	325.1#
57	1638.3	975.0	1462.4#



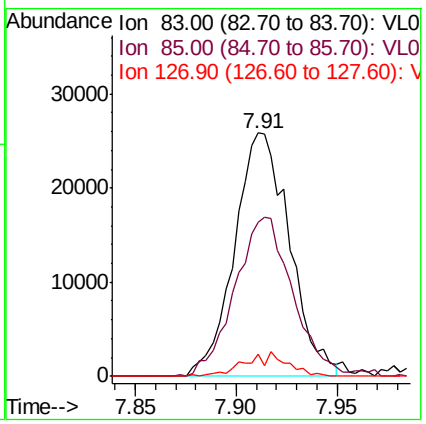


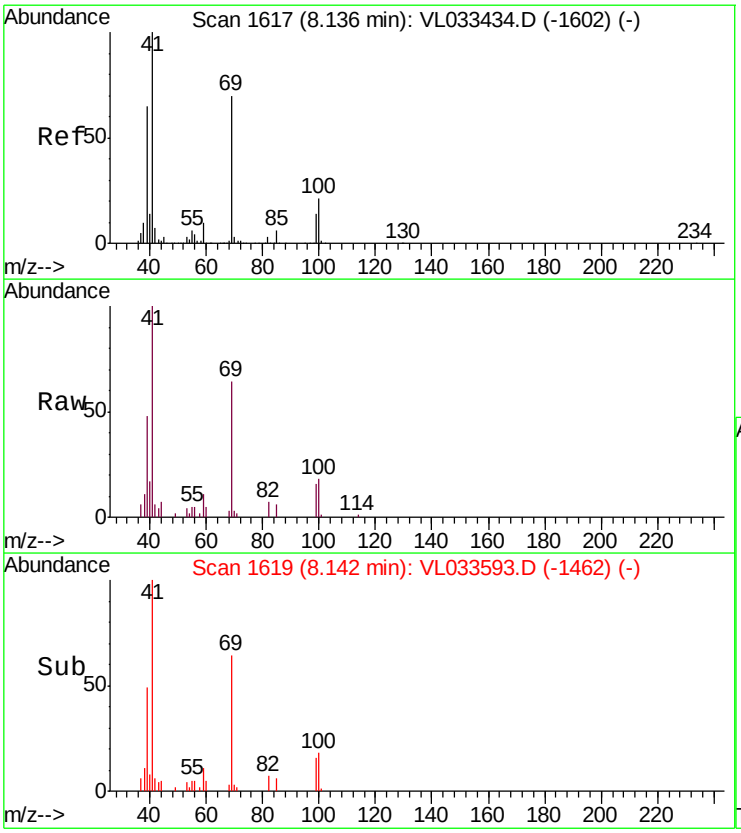
#42
Bromodichloromethane
Concen: 0.307 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 83 Resp: 49255

Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.7	76.1
127	9.2	6.6	9.8

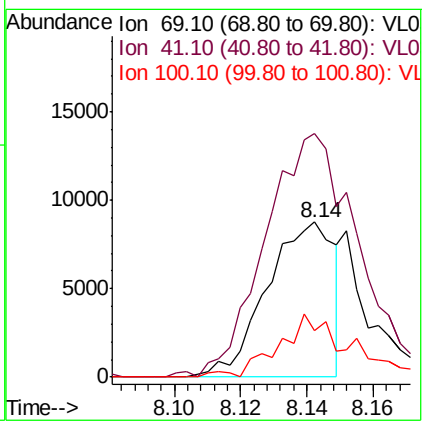


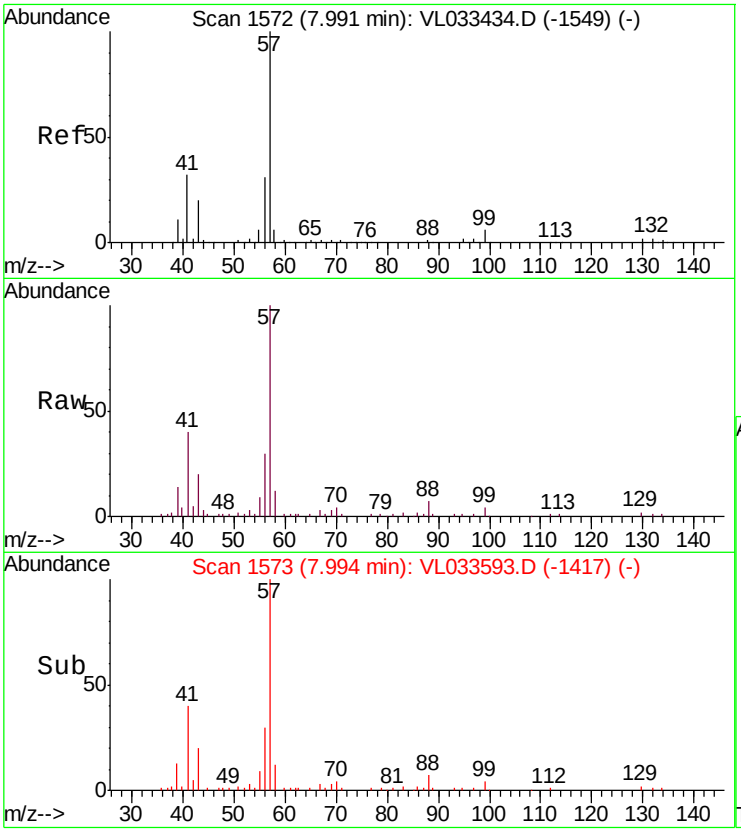


#43
Methyl Methacrylate
Concen: 0.174 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 69 Resp: 12419

Ion	Ratio	Lower	Upper
69	100		
41	221.2	116.6	174.8#
100	43.0	24.4	36.6#



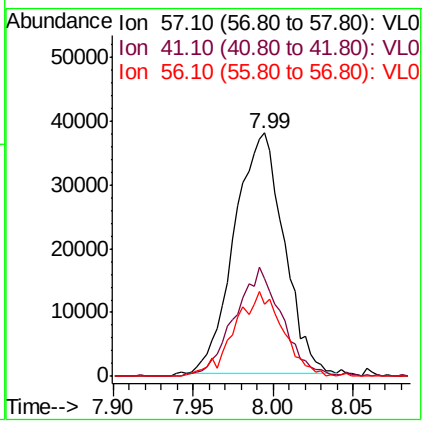


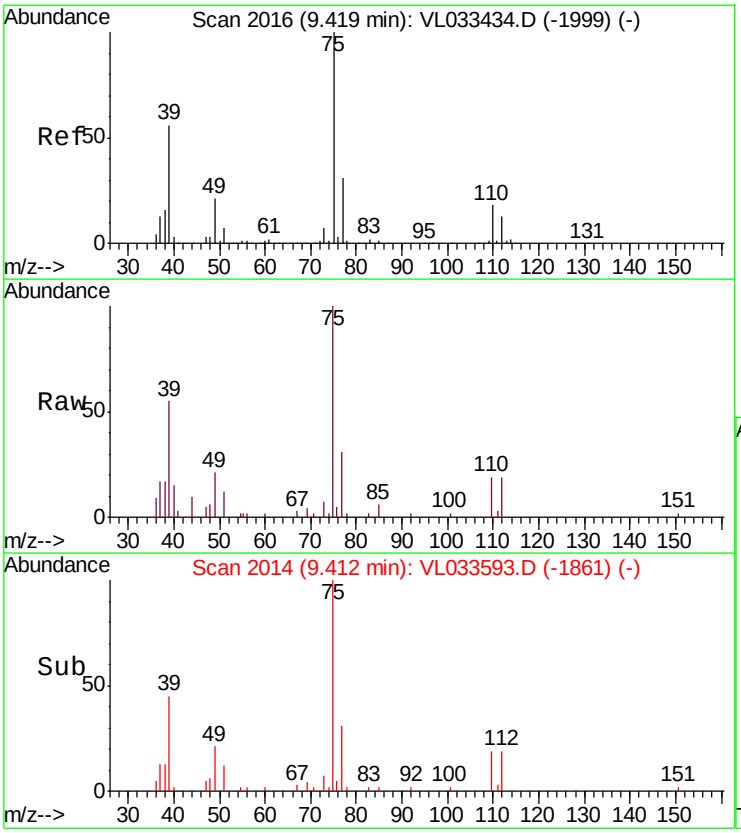
#44
2,2,4-Trimethylpentane
Concen: 0.262 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 57 Resp: 80364

Ion	Ratio	Lower	Upper
57	100		
41	43.6	26.0	39.0#
56	34.5	24.6	37.0

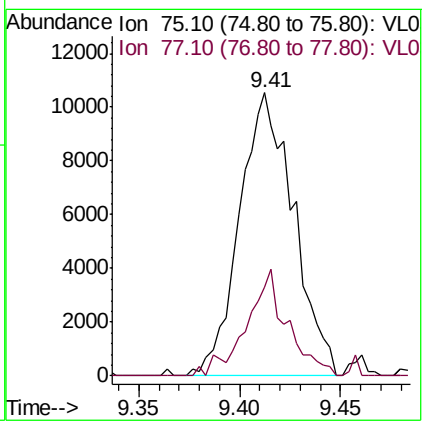


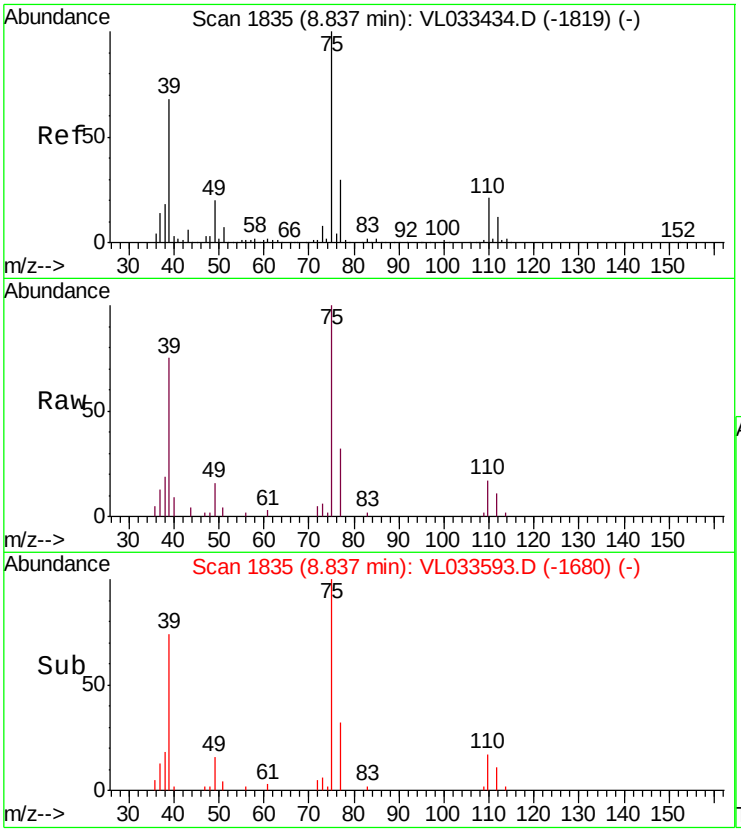


#45
t-1,3-Dichloropropene
Concen: 0.226 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 75 Resp: 19738

Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.5	36.7



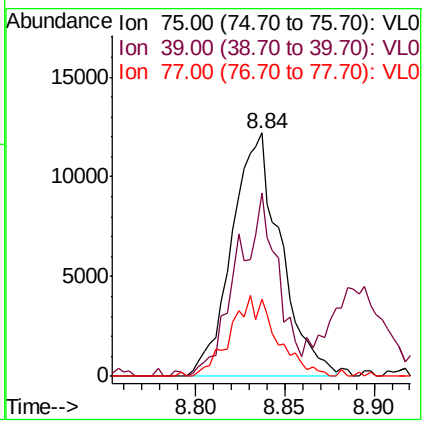


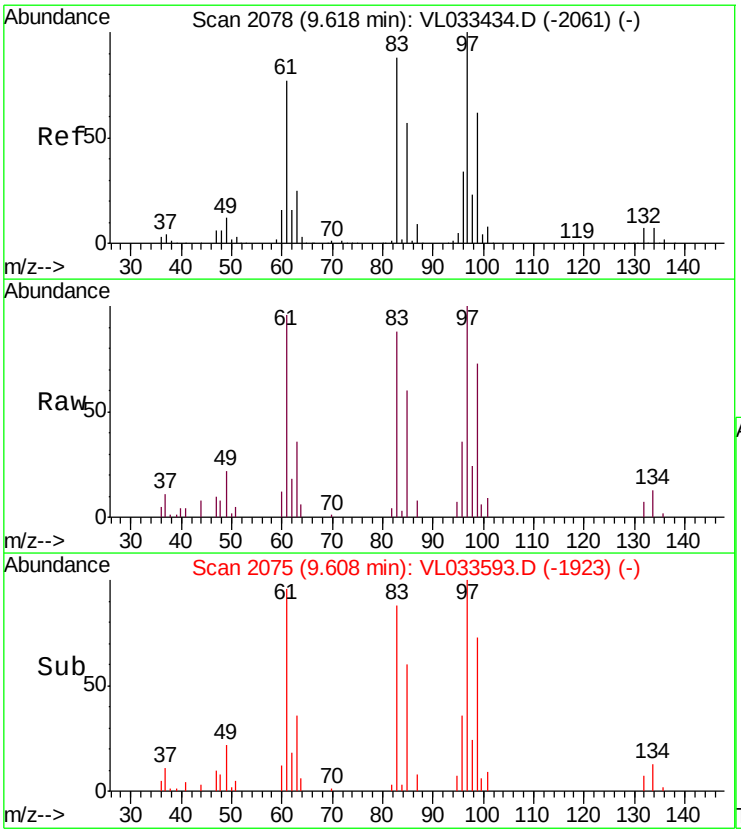
#46
cis-1,3-Dichloropropene
Concen: 0.228 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 75 Resp: 23352

Ion	Ratio	Lower	Upper
75	100		
39	75.1	54.1	81.1
77	31.9	23.9	35.9

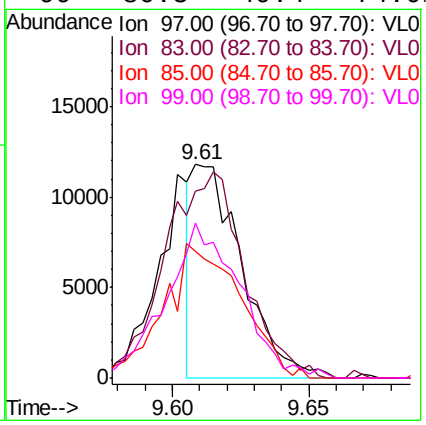


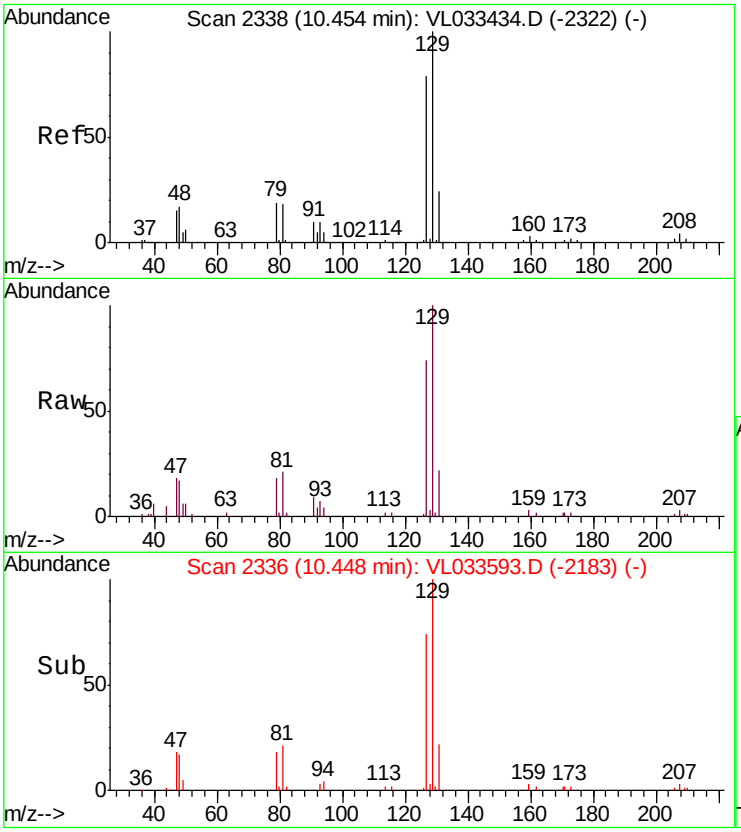


#47
1,1,2-Trichloroethane
Concen: 0.190 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 97 Resp: 14821

Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.5	105.7
85	60.5	45.6	68.4
99	80.3	49.4	74.0#



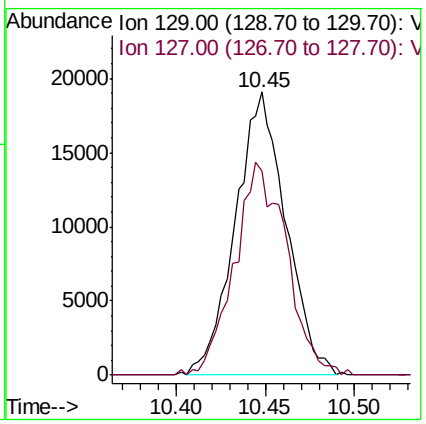


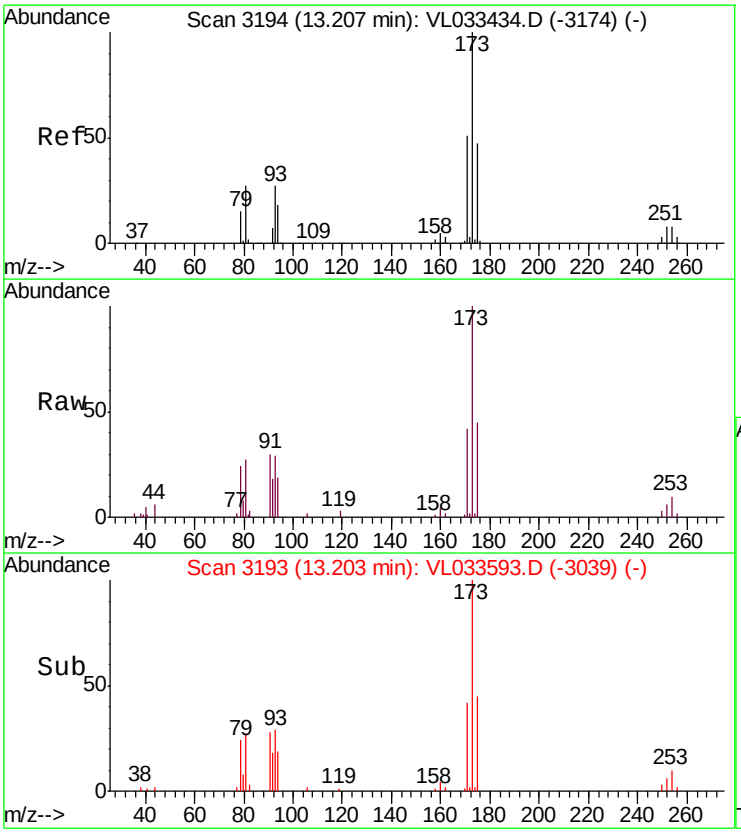
#48
Dibromochloromethane
Concen: 0.287 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:129 Resp: 37762

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.2

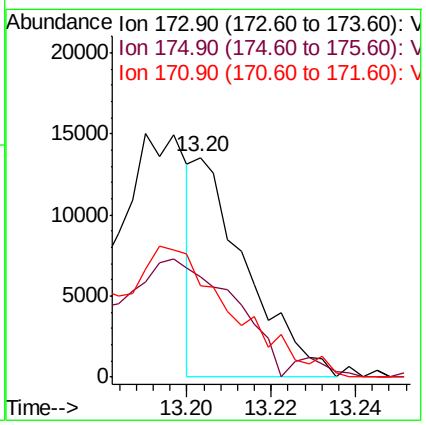


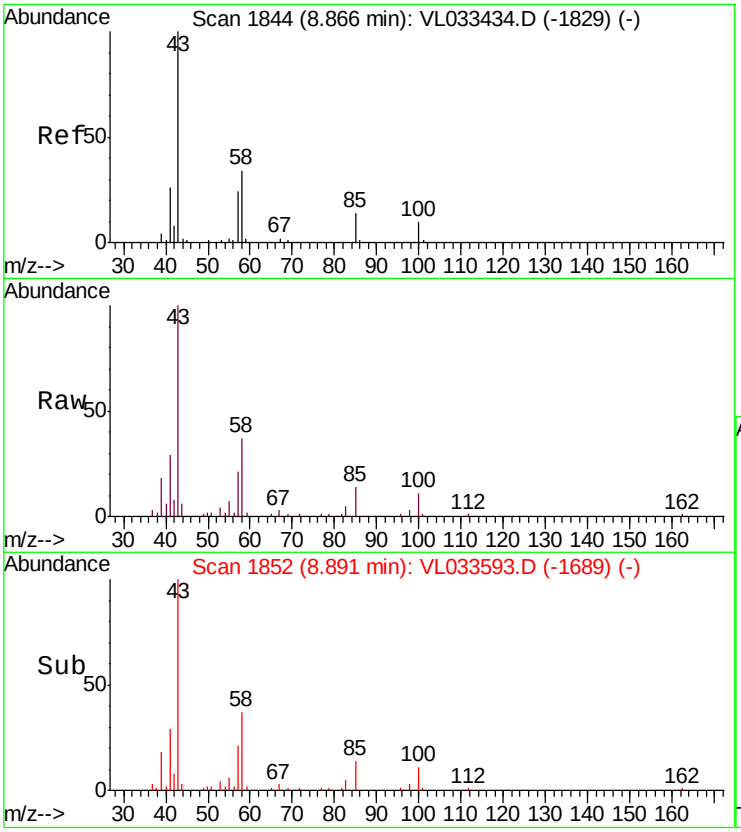


#49
Bromoform
Concen: 0.092 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:173 Resp: 11585

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.3	58.9#
171	0.0	41.2	61.8#



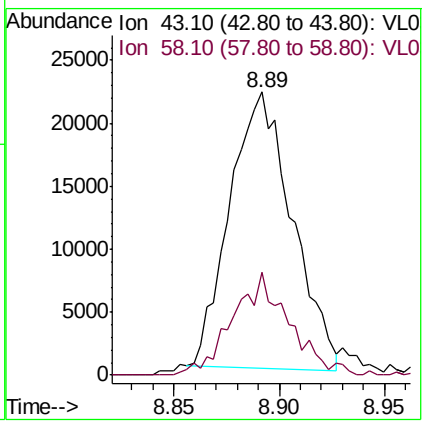


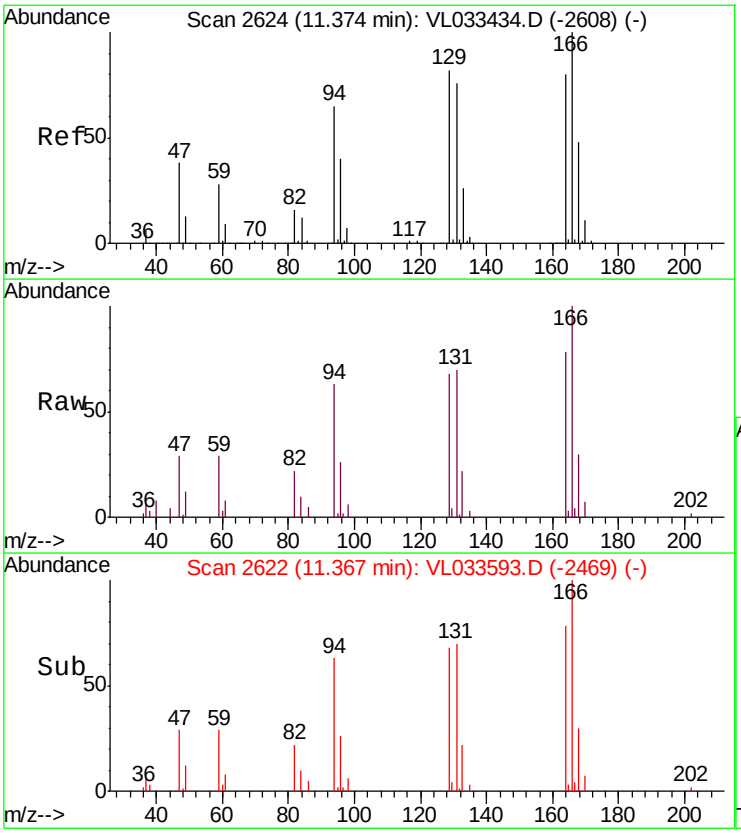
#50
4-Methyl-2-Pentanone
Concen: 0.245 ppbv
RT: 8.89 min Scan# 1852
Delta R.T. 0.03 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 43 Resp: 45159

Ion	Ratio	Lower	Upper
43	100		
58	33.8	28.0	42.0

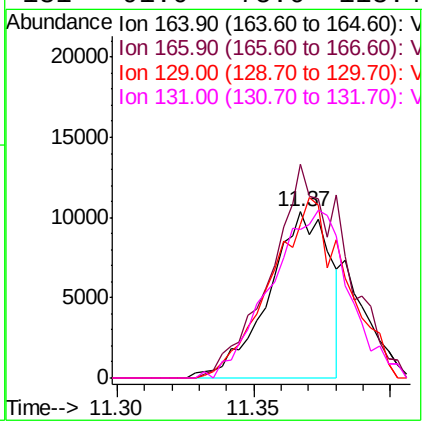


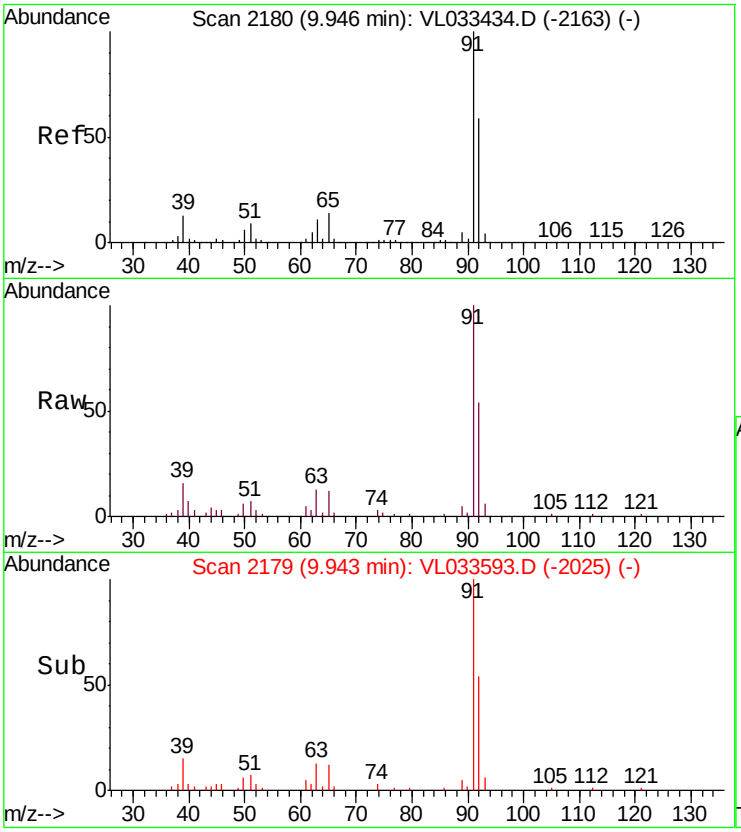


#52
Tetrachloroethene
Concen: 0.243 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:164 Resp: 16126

Ion	Ratio	Lower	Upper
164	100		
166	134.1	99.5	149.3
129	92.9	81.4	122.2
131	91.0	75.6	113.4



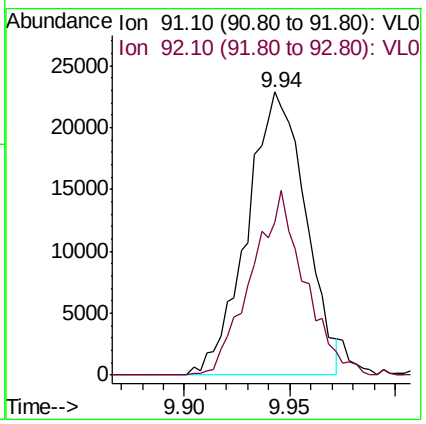


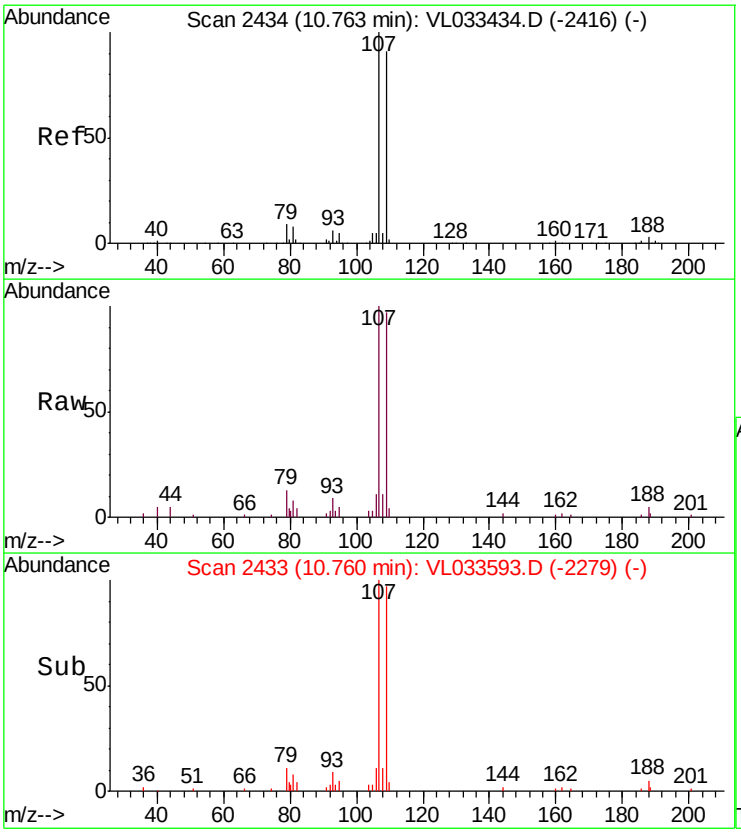
#53
Toluene
Concen: 0.216 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 91 Resp: 44156

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.4	71.0

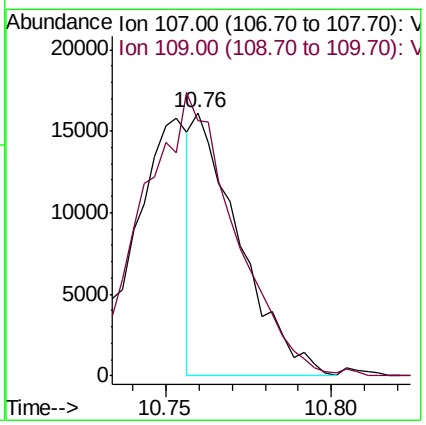


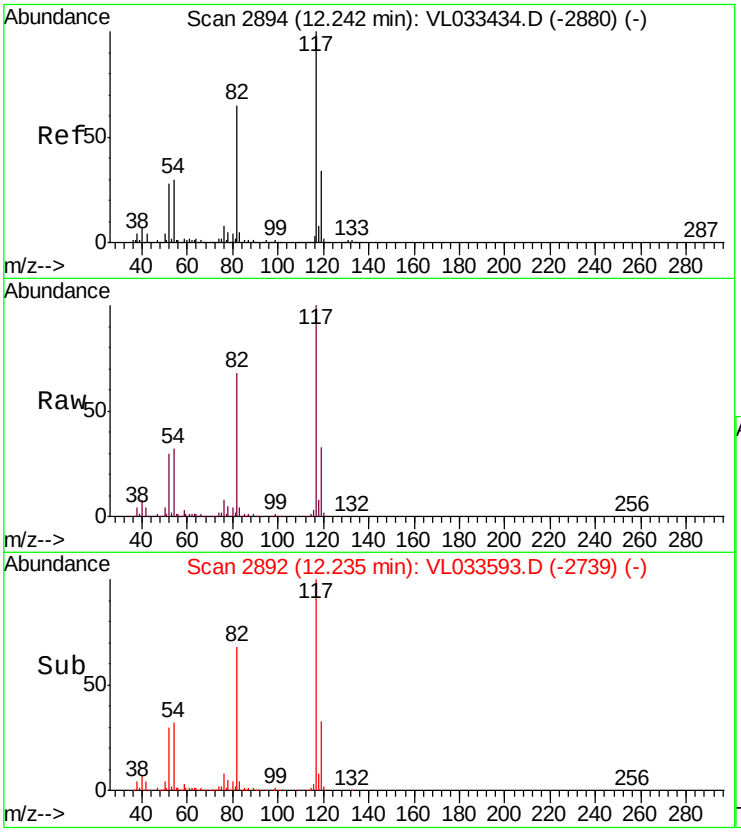


#54
1,2-Dibromoethane
Concen: 0.128 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:107 Resp: 15695

Ion	Ratio	Lower	Upper
107	100		
109	86.5	72.7	109.1



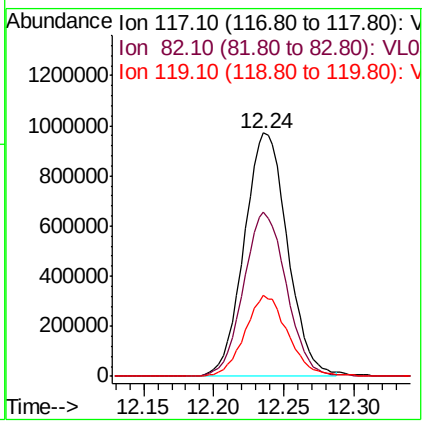


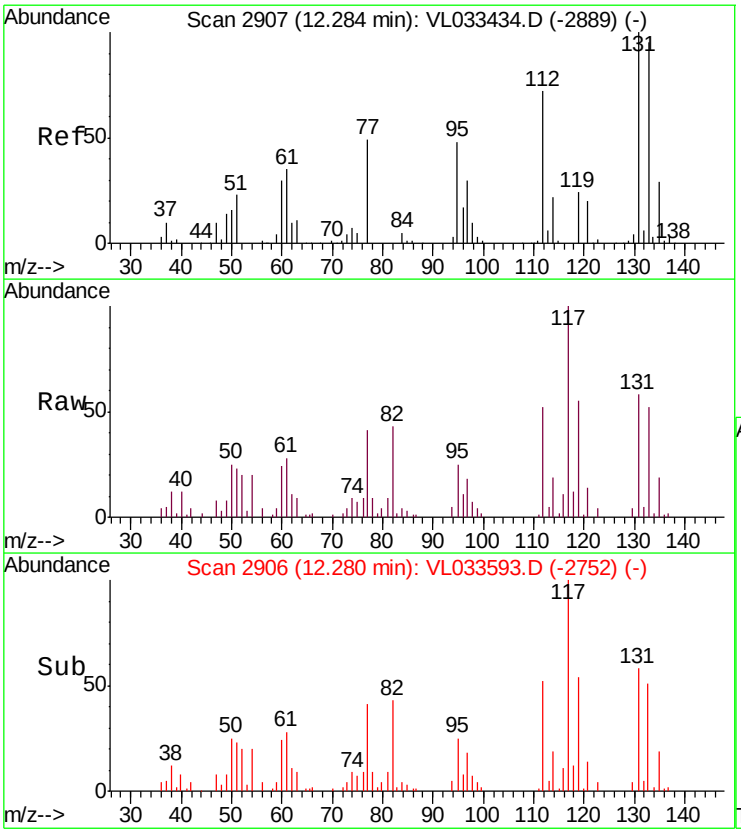
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2019

Tgt Ion:117 Resp: 2086979

Ion	Ratio	Lower	Upper
117	100		
82	66.8	51.5	77.3
119	33.2	25.5	38.3

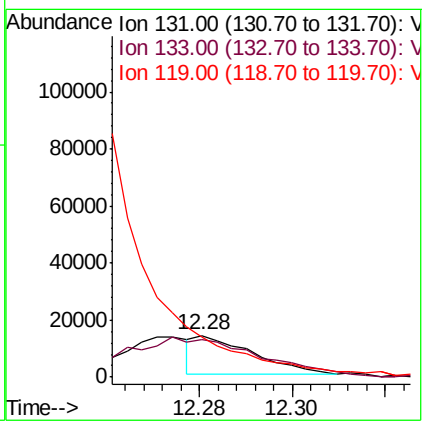


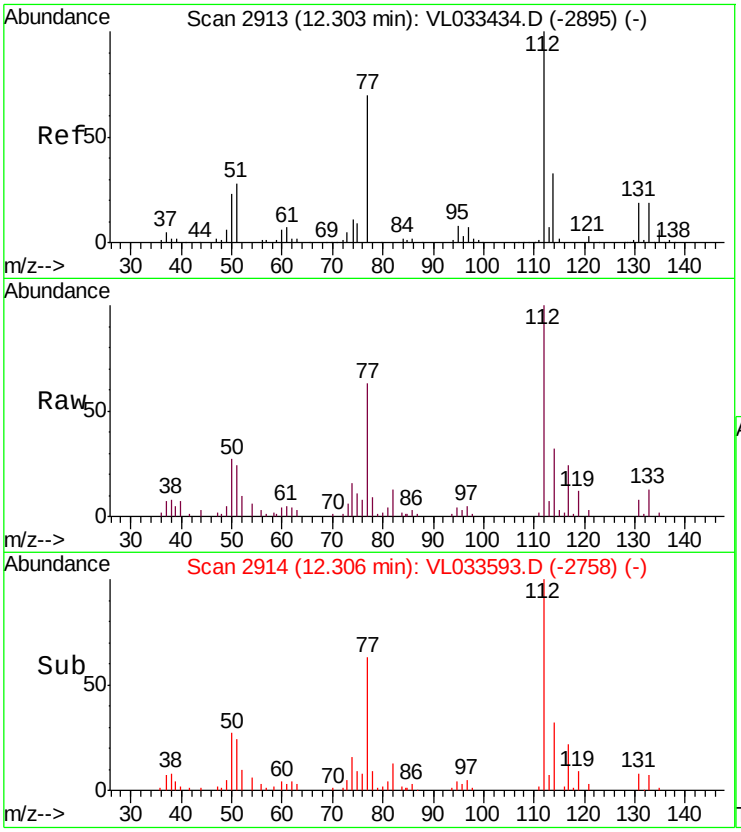


#56
1,1,1,2-Tetrachloroethane
Concen: 0.118 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:131 Resp: 11315

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.2	114.4#
119	0.0	45.0	67.6#



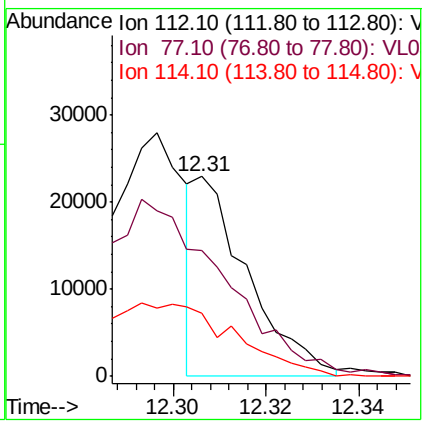


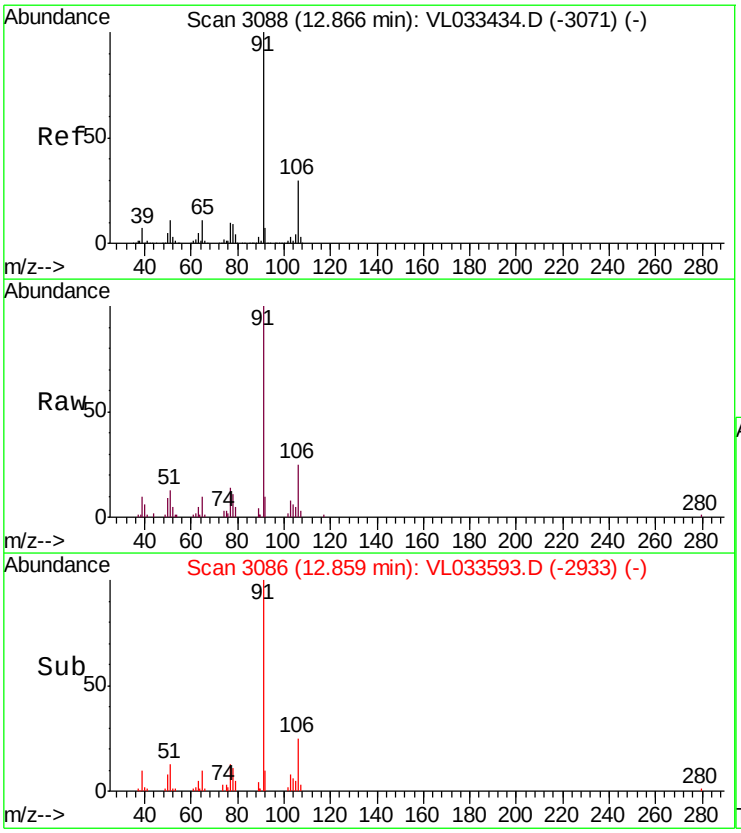
#57
Chlorobenzene
Concen: 0.111 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:112 Resp: 17957

Ion	Ratio	Lower	Upper
112	100		
77	61.9	57.3	85.9
114	32.9	29.8	36.4

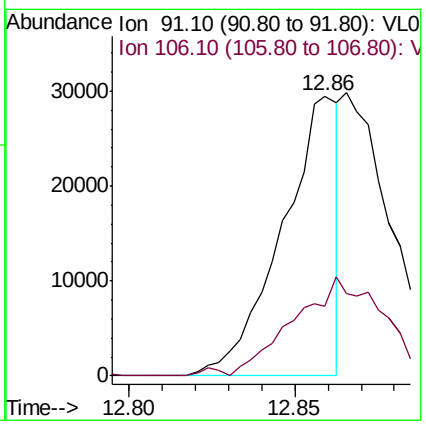


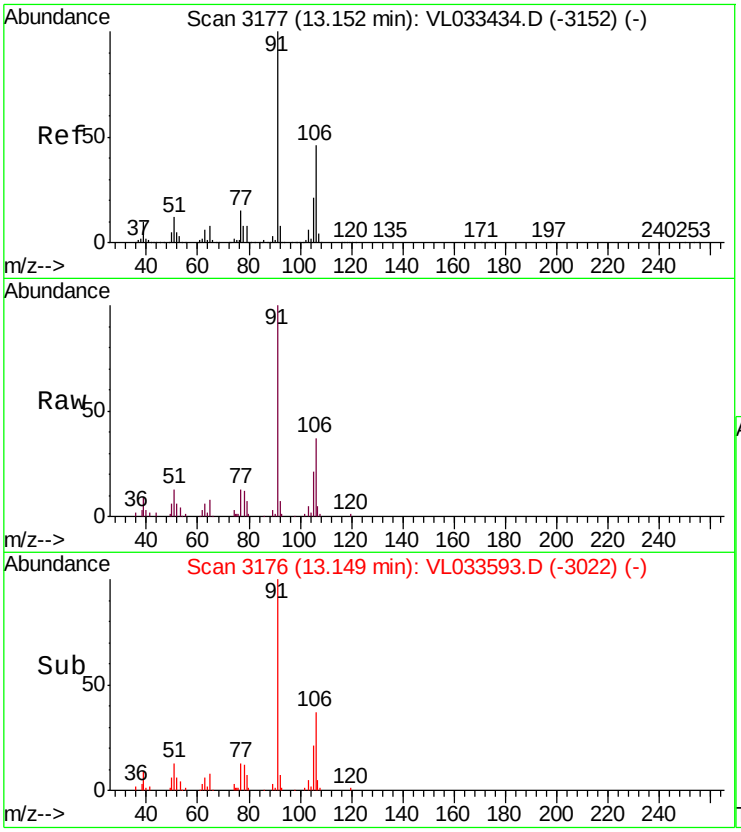


#58
Ethyl Benzene
Concen: 0.124 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 91 Resp: 34682

Ion	Ratio	Lower	Upper
91	100		
106	24.7	23.8	35.6



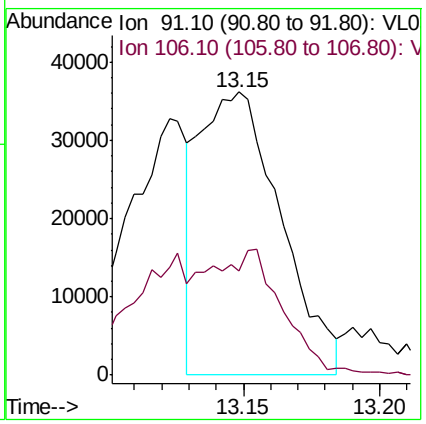


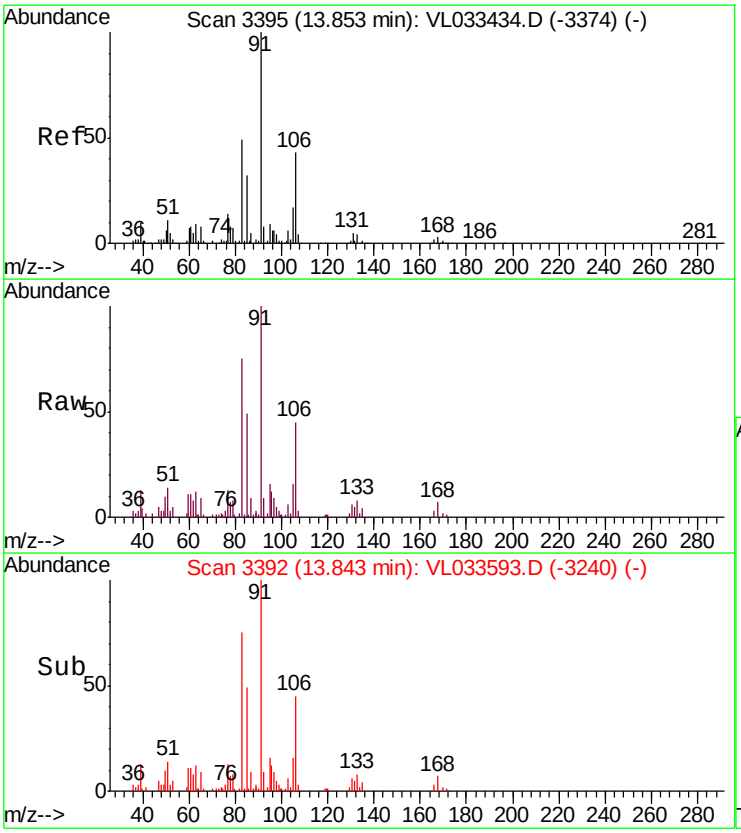
#59
m/p-Xylene
Concen: 0.300 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 91 Resp: 74657

Ion	Ratio	Lower	Upper
91	100		
106	73.9	0.0	0.0#

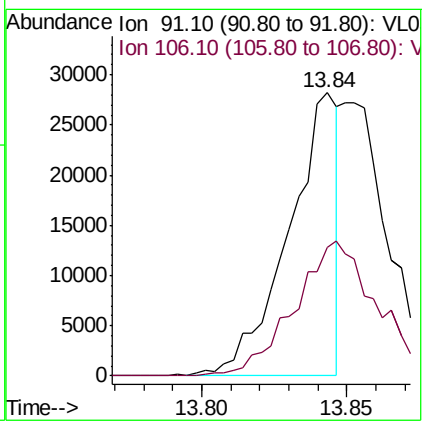


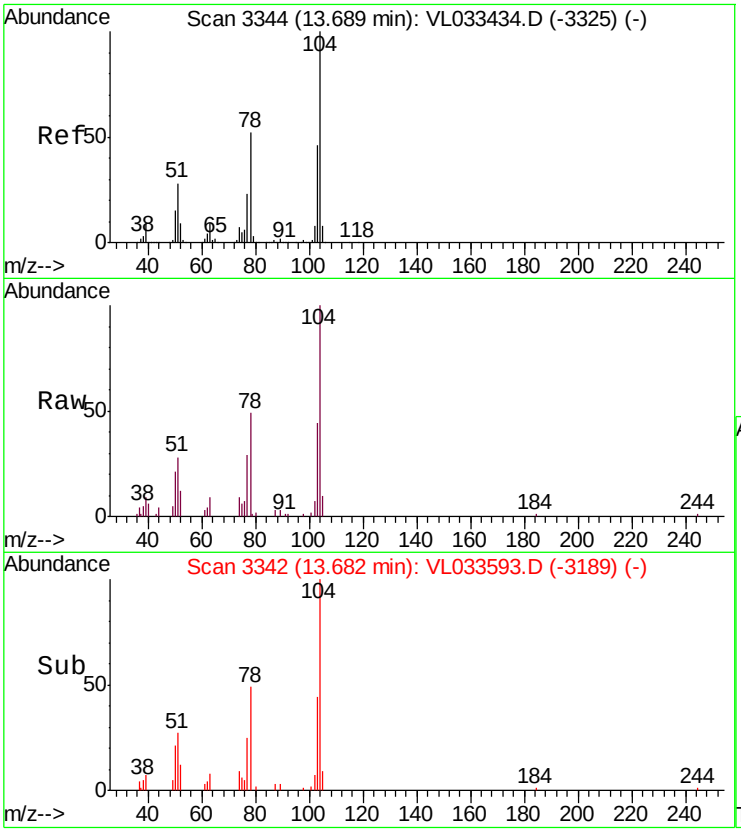


#60
o-Xylene
Concen: 0.138 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 91 Resp: 33225

Ion	Ratio	Lower	Upper
91	100		
106	81.2	21.4	64.3#



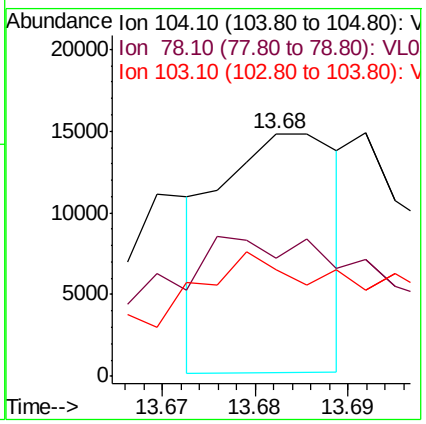


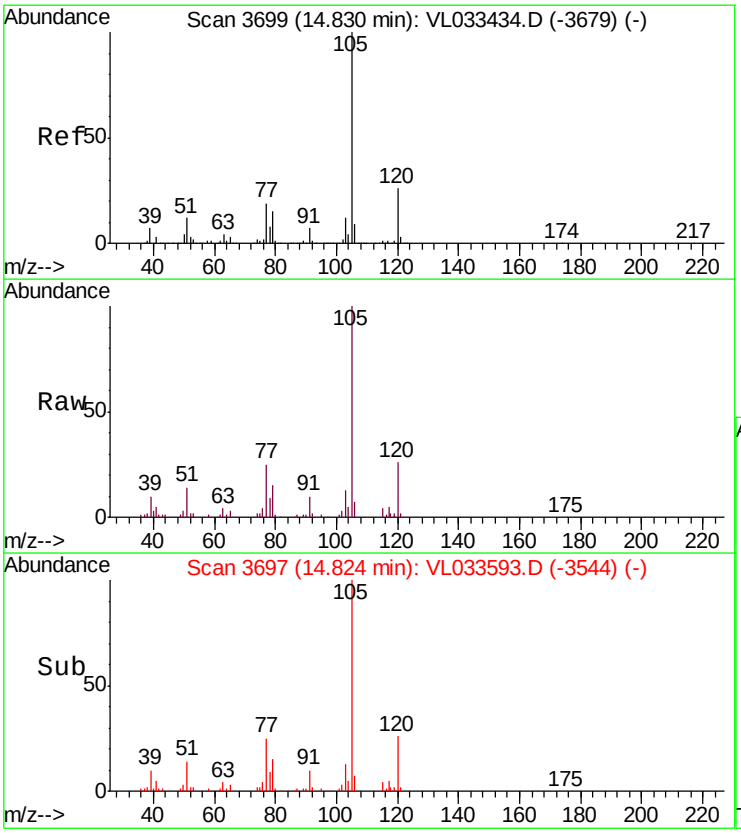
#61
Styrene
Concen: 0.078 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:104 Resp: 12910

Ion	Ratio	Lower	Upper
104	100		
78	144.1	43.2	64.8#
103	119.0	37.8	56.8#

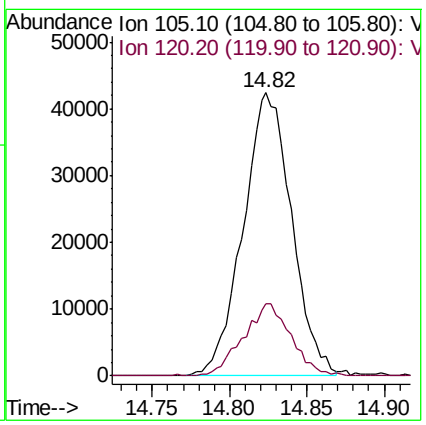


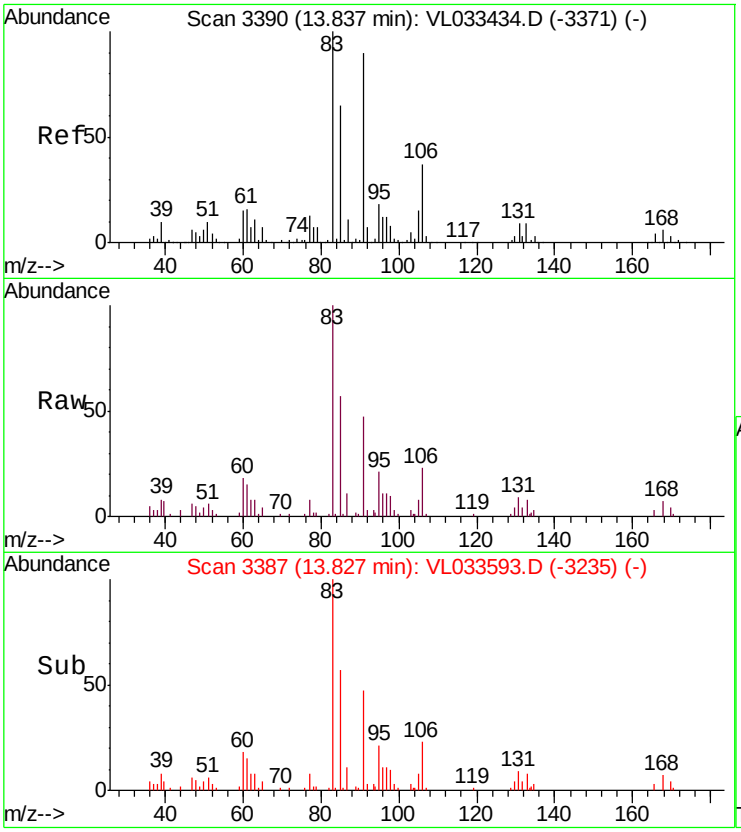


#62
Isopropylbenzene
Concen: 0.271 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:105 Resp: 92544

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.2	30.2



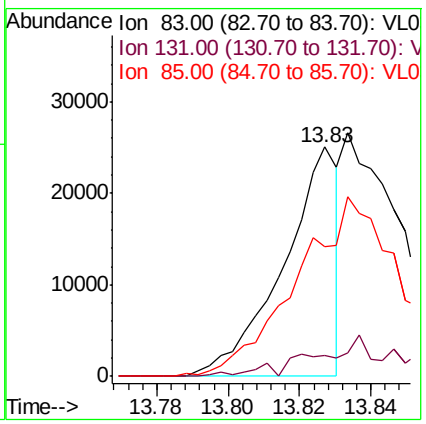


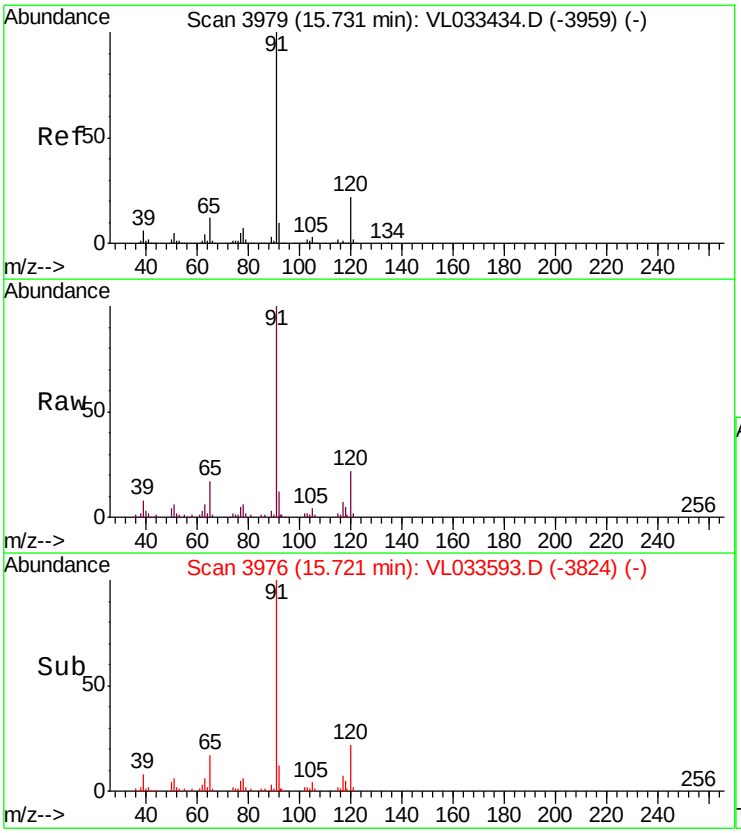
#63
1,1,2,2-Tetrachloroethane
Concen: 0.150 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 83 Resp: 26629

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	0.0	32.7	98.1#

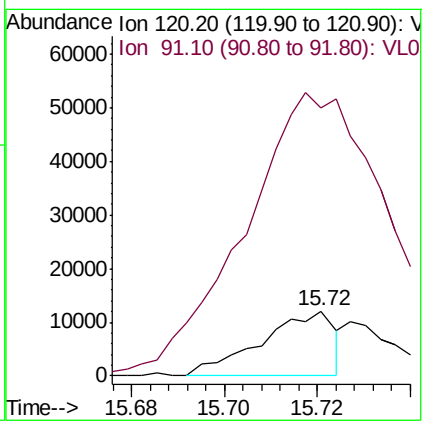


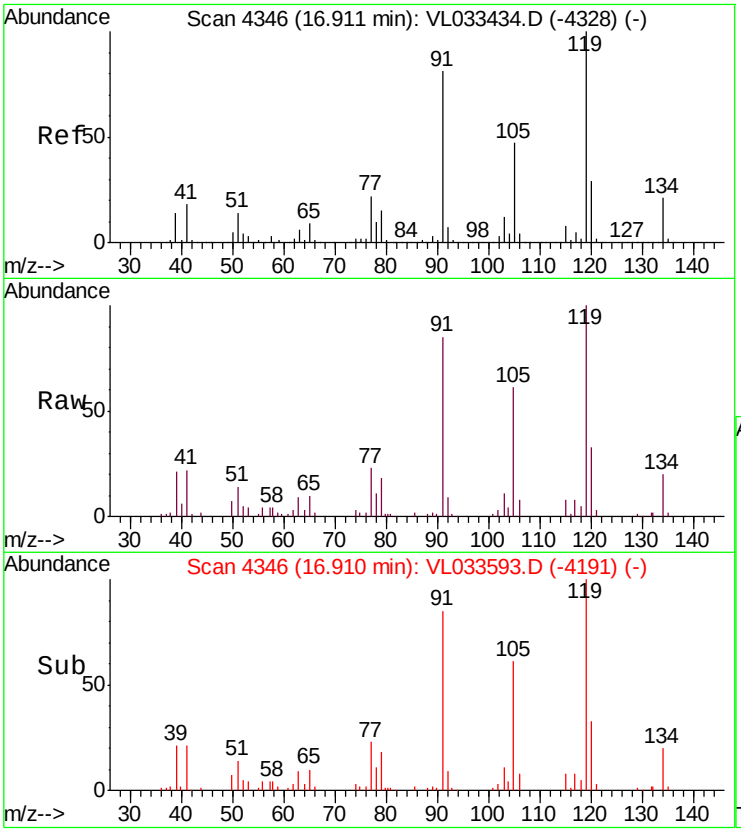


#64
n-propylbenzene
Concen: 0.154 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:120 Resp: 13325

Ion	Ratio	Lower	Upper
120	100		
91	881.4	387.4	581.2#



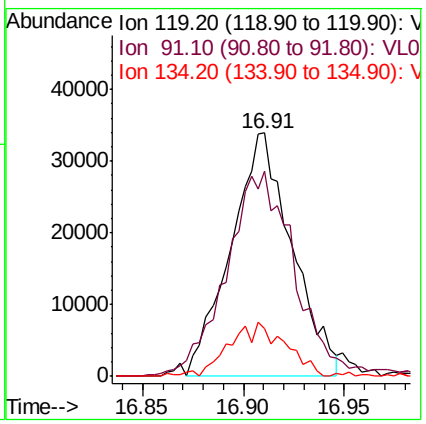


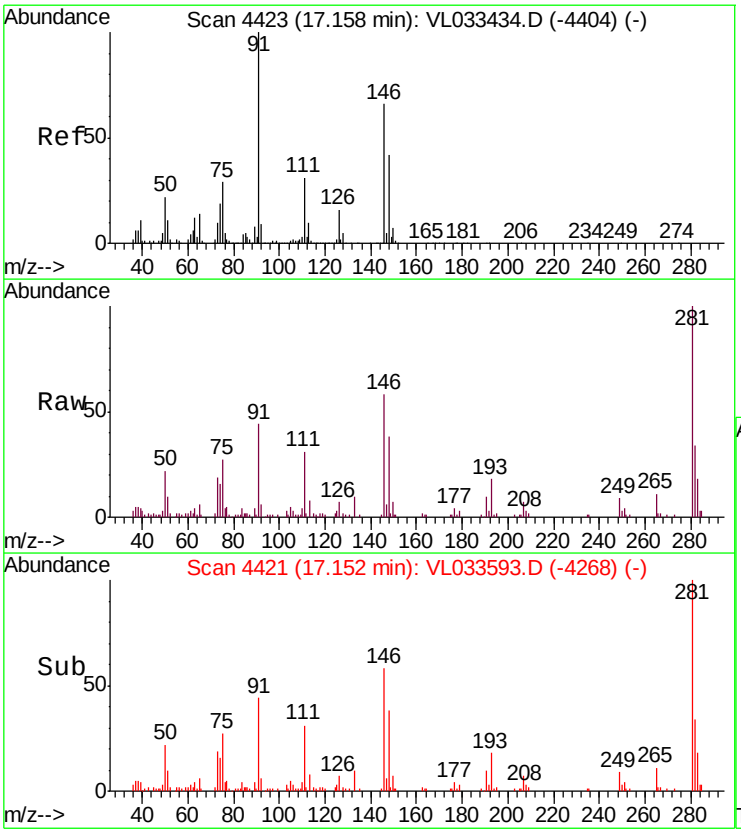
#65
tert-Butylbenzene
Concen: 0.238 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:119 Resp: 71608

Ion	Ratio	Lower	Upper
119	100		
91	96.1	66.4	99.6
134	21.2	15.5	23.3

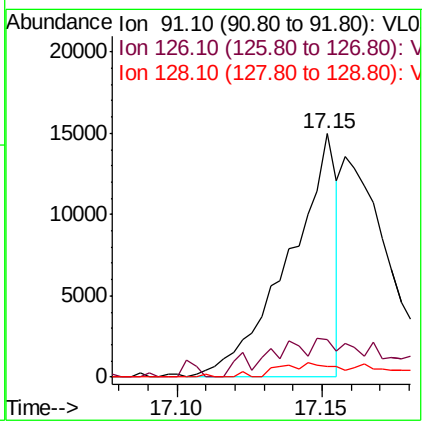


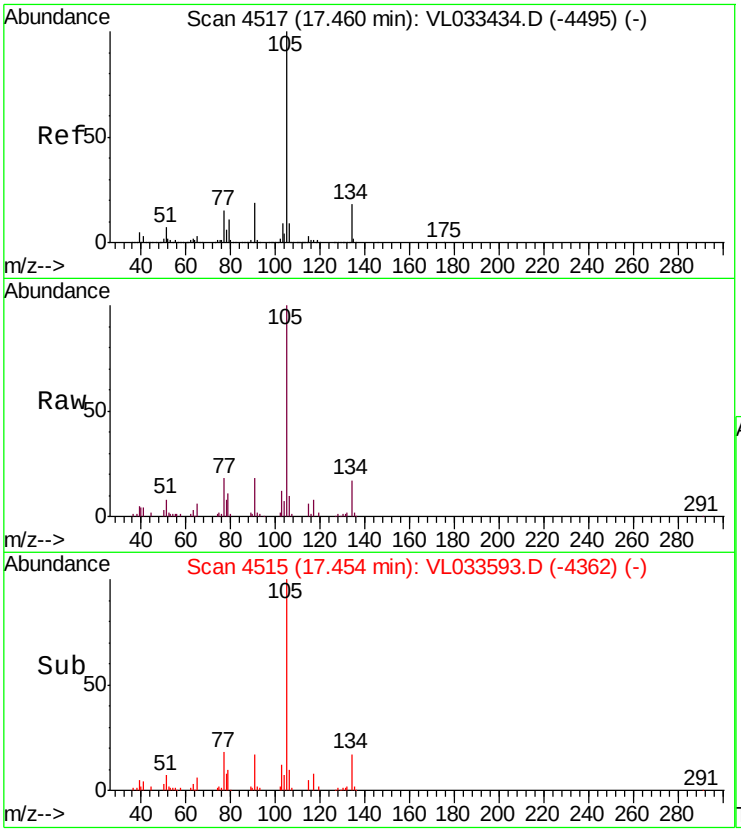


#66
Benzyl Chloride
Concen: 0.123 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 91 Resp: 17117

Ion	Ratio	Lower	Upper
91	100		
126	39.0	13.0	19.6#
128	11.2	4.2	6.2#



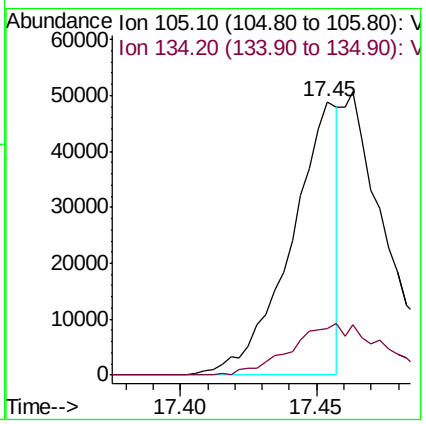


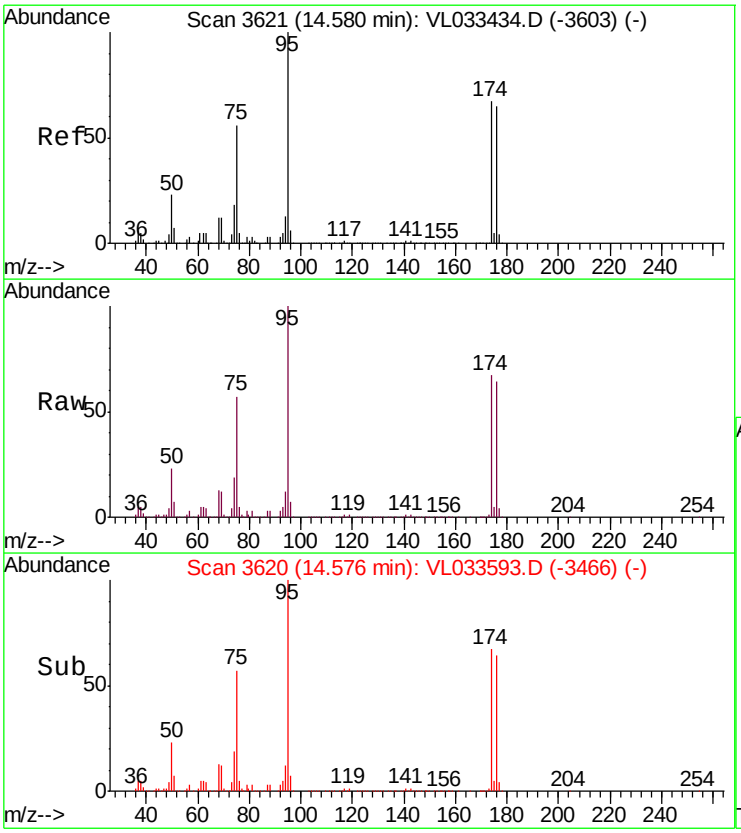
#67
sec-Butylbenzene
Concen: 0.137 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:105 Resp: 58454

Ion	Ratio	Lower	Upper
105	100		
134	36.0	14.6	21.8#

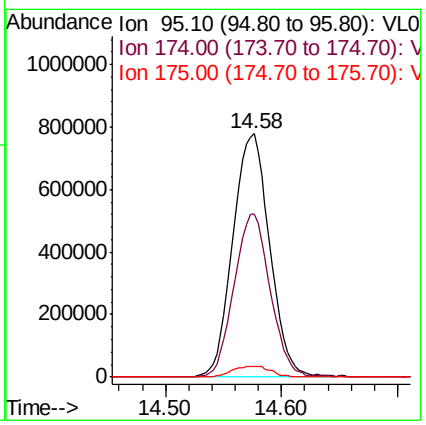


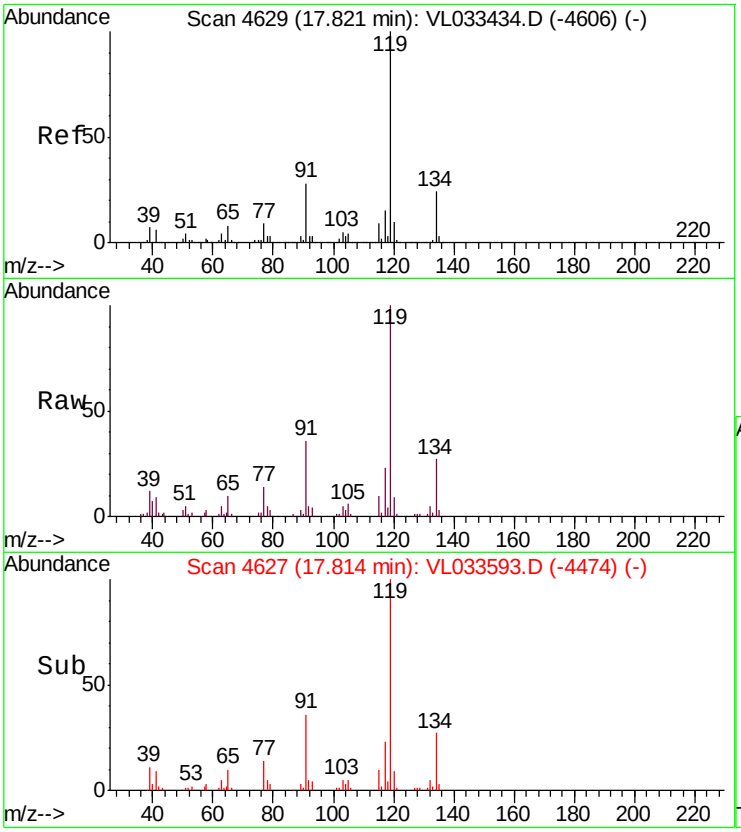


#68
1-Bromo-4-Fluorobenzene
Concen: 10.462 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 95 Resp: 1711760

Ion	Ratio	Lower	Upper
95	100		
174	66.5	52.9	79.3
175	4.7	3.8	5.6



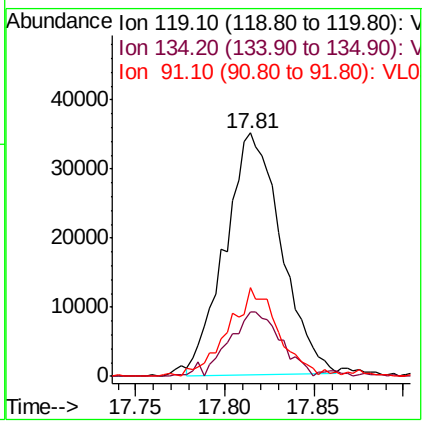


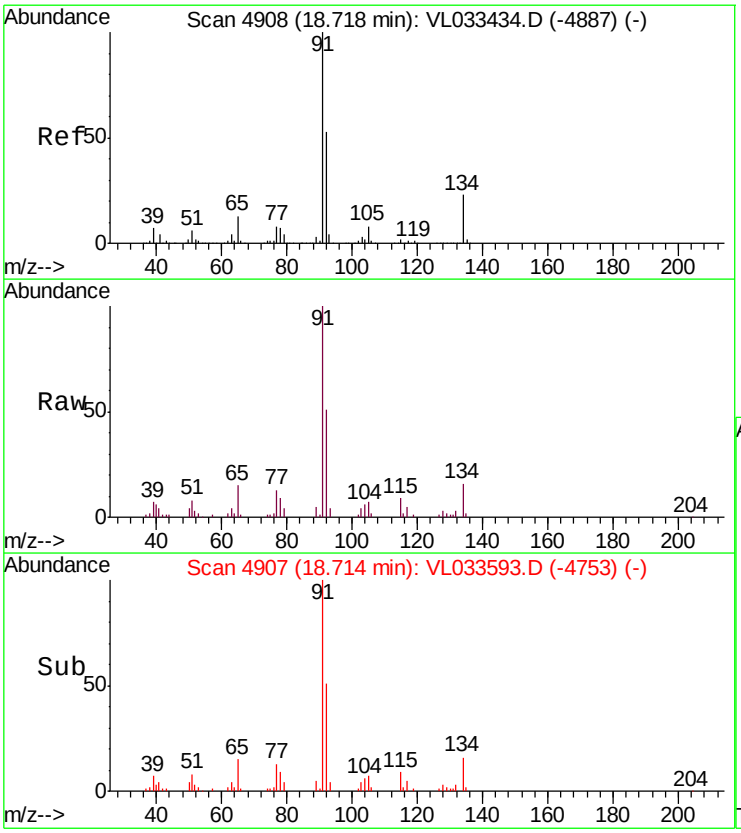
#69
p-Isopropyltoluene
Concen: 0.221 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:119 Resp: 76798

Ion	Ratio	Lower	Upper
119	100		
134	26.1	19.9	29.9
91	34.2	23.4	35.0

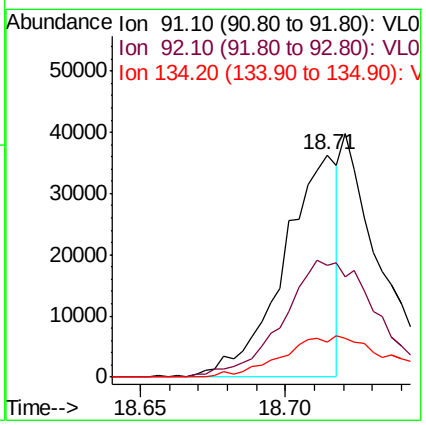


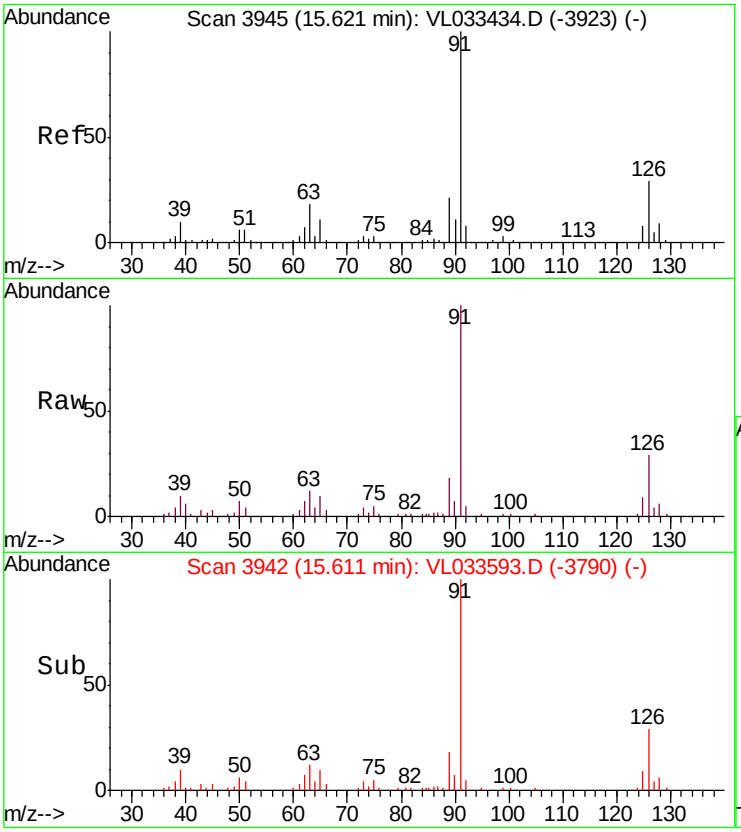


#70
n-Butylbenzene
Concen: 0.128 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion: 91 Resp: 46998

Ion	Ratio	Lower	Upper
91	100		
92	93.7	42.6	64.0#
134	0.0	17.5	26.3#



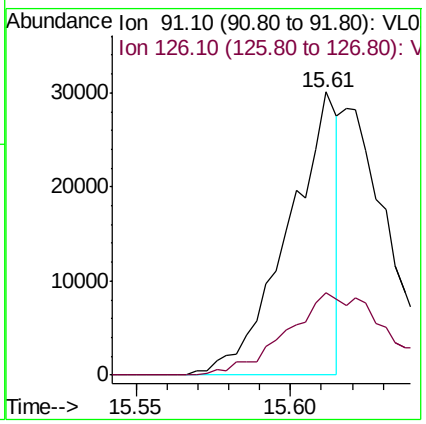


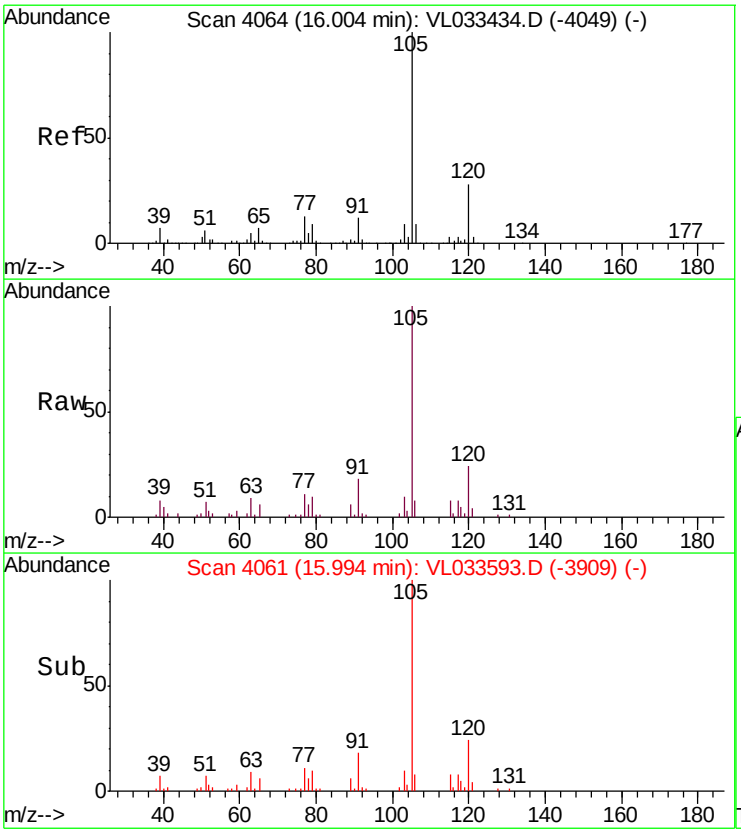
#71
2-Chlorotoluene
Concen: 0.129 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 91 Resp: 33377

Ion	Ratio	Lower	Upper
91	100		
126	58.1	11.7	46.9#

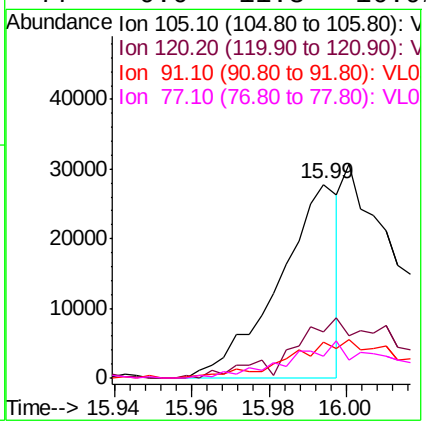


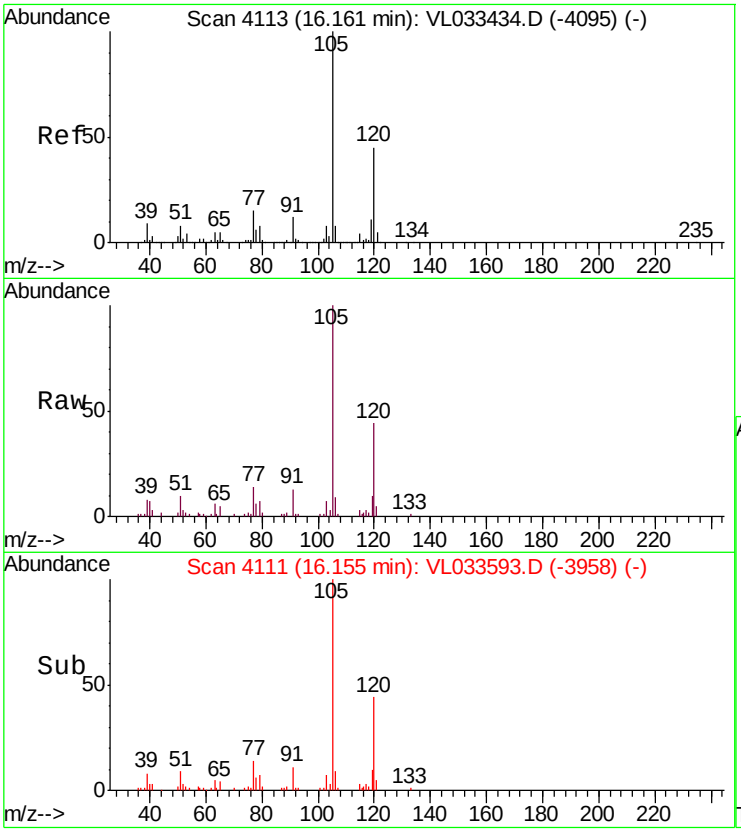


#72
4-Ethyltoluene
Concen: 0.111 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:105 Resp: 29922

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	34.8#
91	0.0	10.4	15.6#
77	0.0	11.3	16.9#



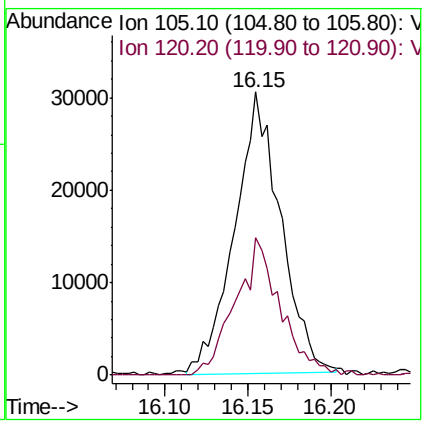


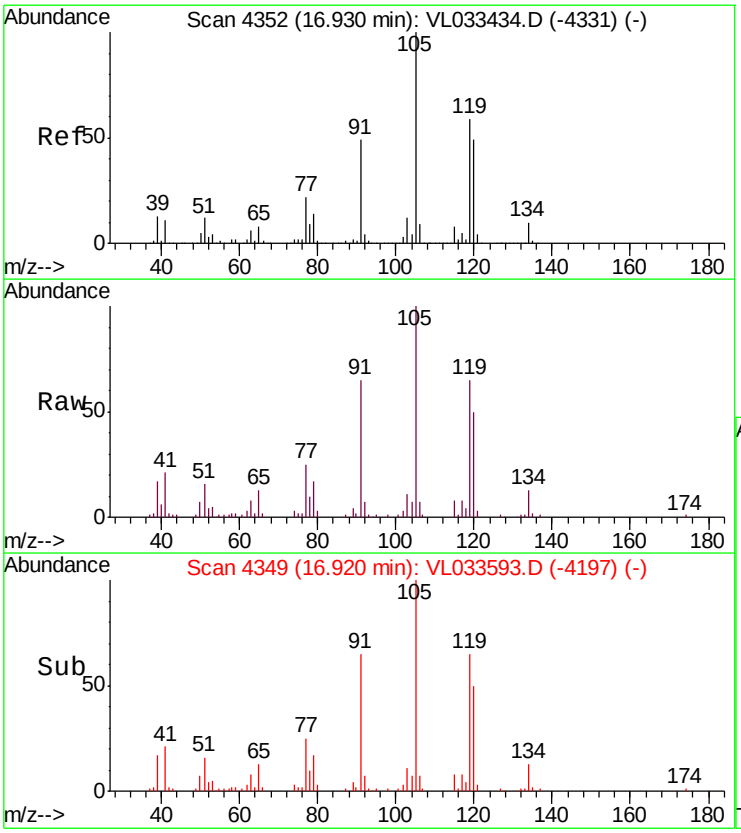
#73
1,3,5-Trimethylbenzene
Concen: 0.226 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:105 Resp: 58568

Ion	Ratio	Lower	Upper
105	100		
120	49.1	35.7	53.5

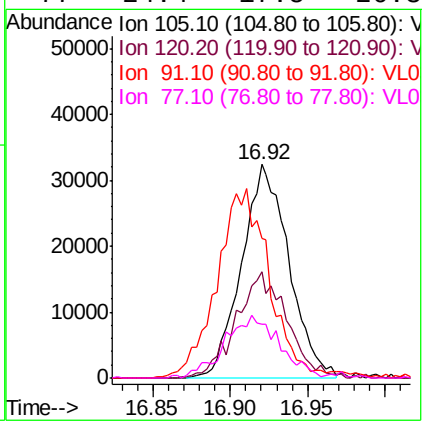


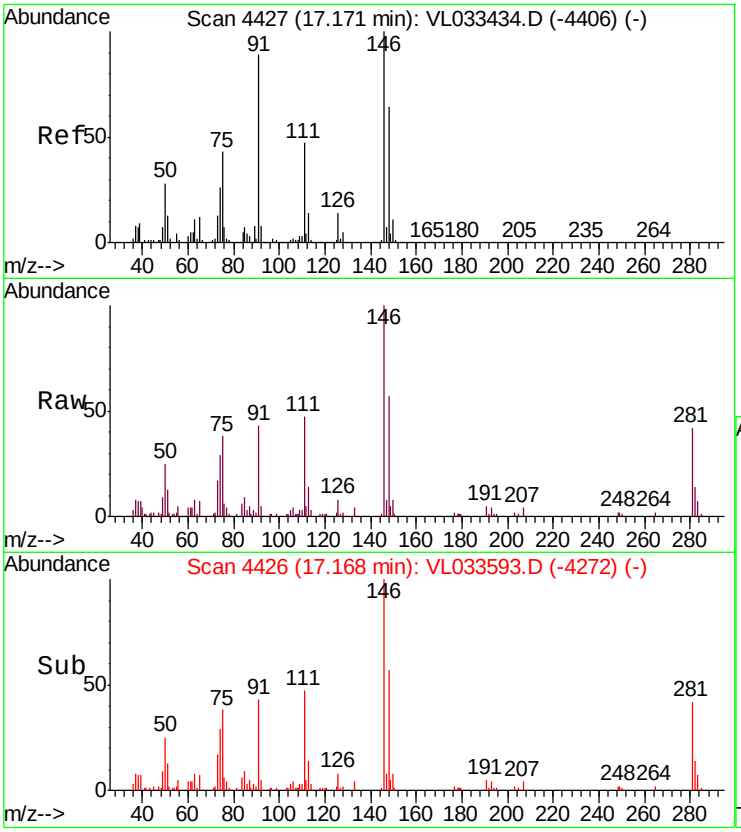


#74
1,2,4-Trimethylbenzene
Concen: 0.248 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:105 Resp: 68762

Ion	Ratio	Lower	Upper
105	100		
120	48.9	39.0	58.6
91	62.5	40.0	60.0#
77	24.4	17.5	26.3



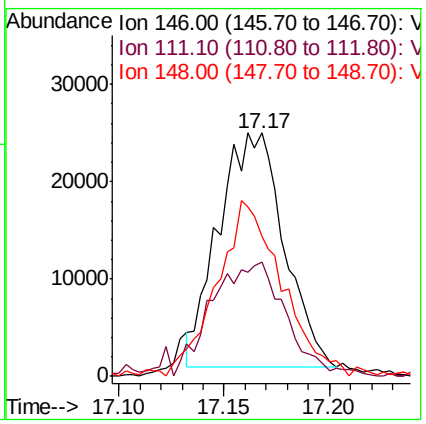


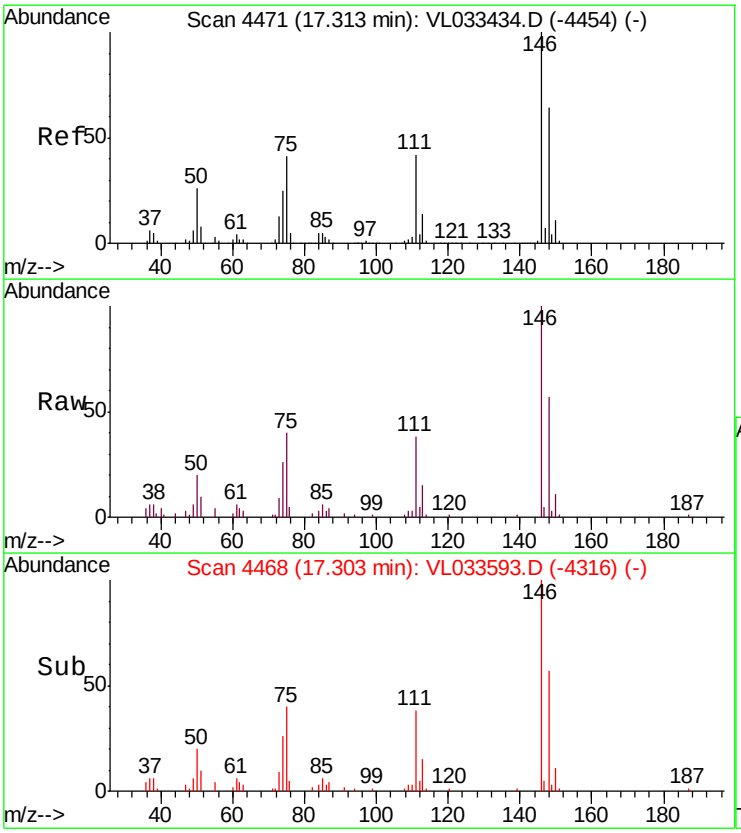
#75
1,3-Dichlorobenzene
Concen: 0.302 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:146 Resp: 51790

Ion	Ratio	Lower	Upper
146	100		
111	59.0	22.9	68.8
148	77.0	32.0	96.2

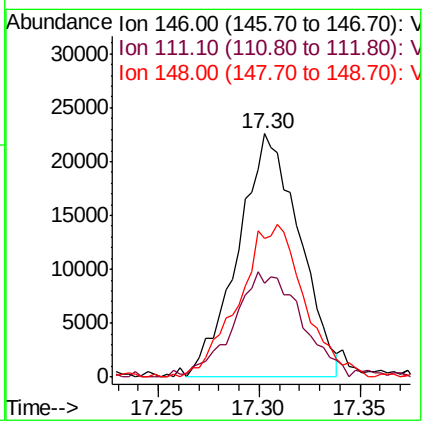


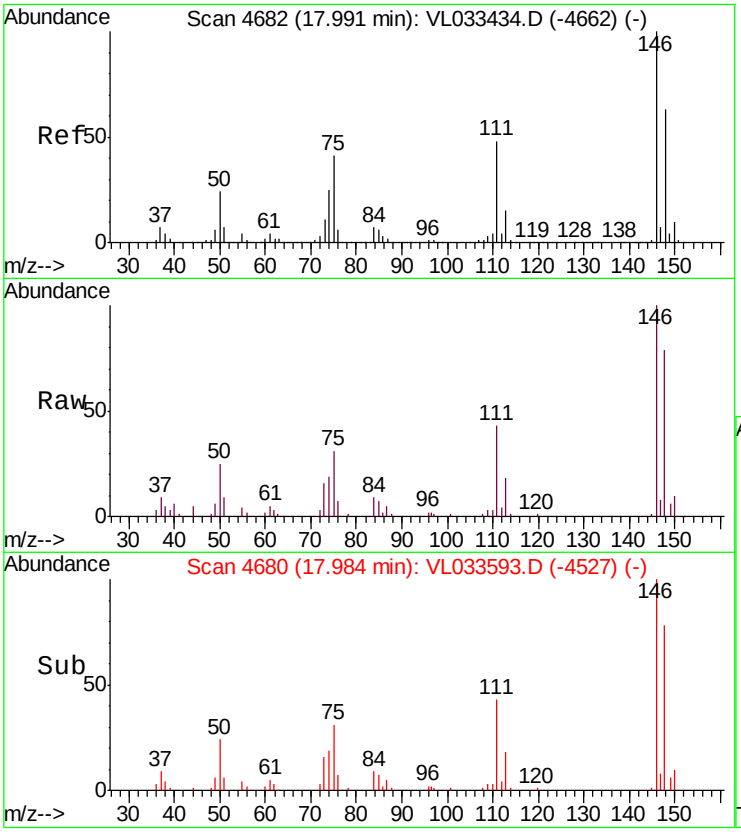


#76
1,4-Dichlorobenzene
Concen: 0.287 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:146 Resp: 48037

Ion	Ratio	Lower	Upper
146	100		
111	49.3	21.7	65.1
148	67.2	32.0	96.2



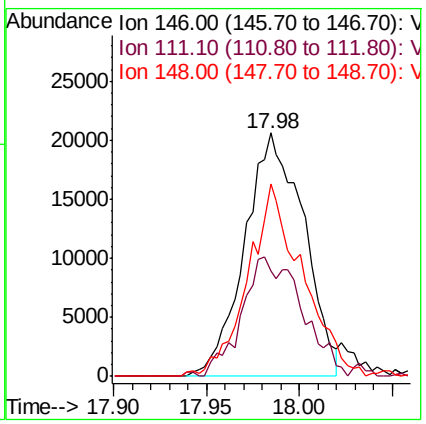


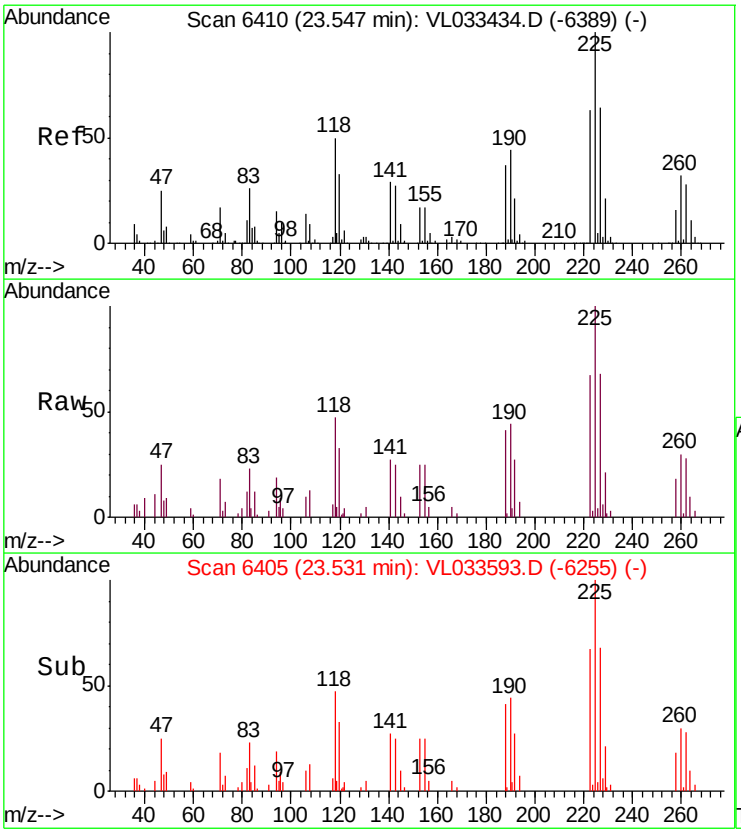
#77
1,2-Dichlorobenzene
Concen: 0.282 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.01 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:146 Resp: 45827

Ion	Ratio	Lower	Upper
146	100		
111	51.5	23.5	70.5
148	73.4	32.0	96.0

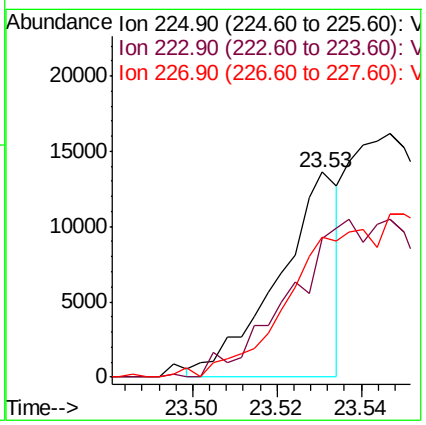


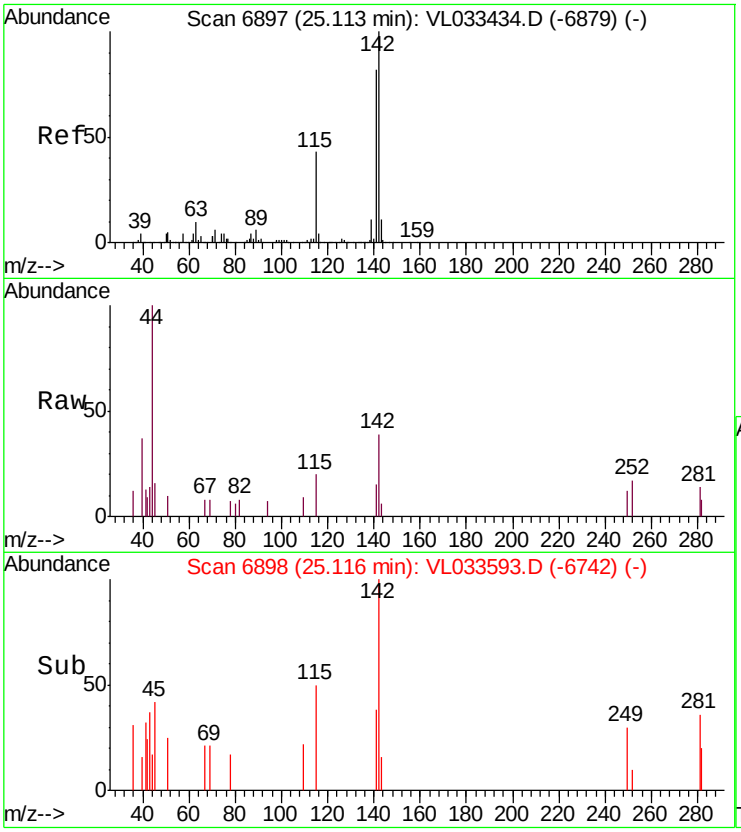


#78
Hexachloro-1,3-Butadiene
Concen: 0.126 ppbv
RT: 23.53 min Scan# 6405
Delta R.T. -0.02 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:225 Resp: 13547

Ion	Ratio	Lower	Upper
225	100		
223	194.6	50.0	75.0#
227	0.0	51.1	76.7#



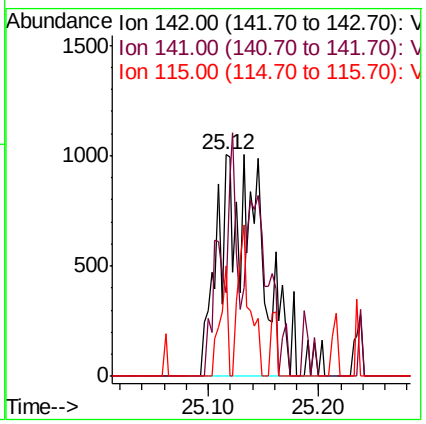


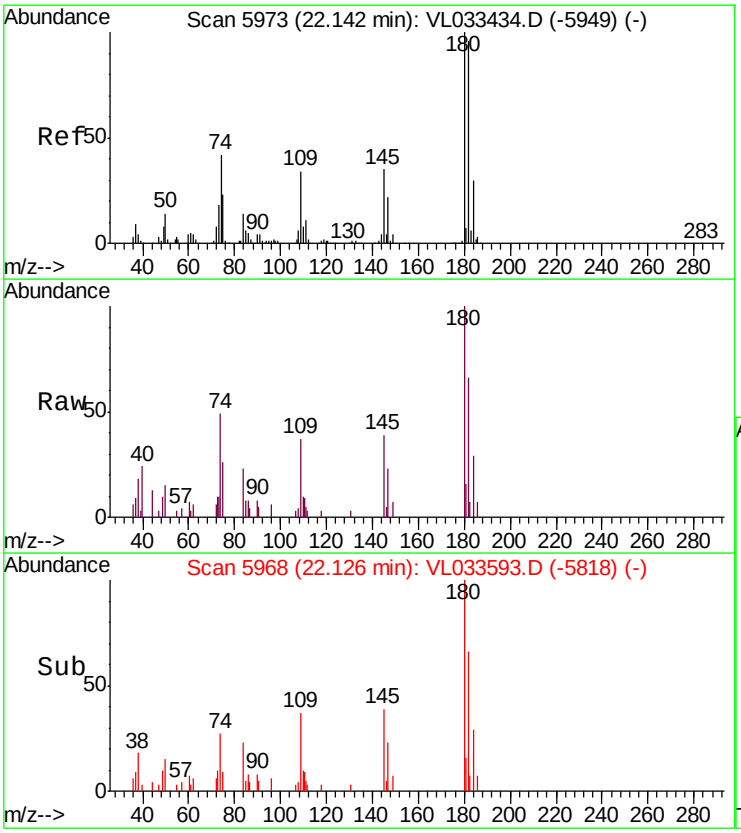
#80
Naphthalene,2-methyl-
Concen: 0.034 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:142 Resp: 2705

Ion	Ratio	Lower	Upper
142	100		
141	38.5	66.6	99.8#
115	1.4	34.4	51.6#





#81
1,2,4-Trichlorobenzene
Concen: 0.065 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. -0.02 min
Lab File: VL033593.D
Acq: 16 Apr 2019 15:36

Tgt Ion:180 Resp: 8538

Ion	Ratio	Lower	Upper
180	100		
182	259.5	77.0	115.4#
184	82.8	24.6	36.8#