Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062619\

Quantitation Report (Not Reviewed)

Data File : VL033972.D
Acq On : 26 Jun 2019 18:02
Operator : SY/AP
Sample : K3538-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OUTDOOR-AIR

Quant Time: Jun 27 01:23:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.74	49	668988	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.26	114	1556691	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.21	117	1526963	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.55	95	1298175	10.35	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	32337	0.298	ppbv		99
3) Chlorodifluoromethane	3.00	51	47979	0.609	ppbv	#	89
4) Chloromethane	3.16	50	24587	0.547	ppbv	#	79
9) Propene	3.03	41	18345	0.623	ppbv		86
11) Trichlorofluoromethane	3.98	101	39335	0.281	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	7144	0.075	ppbv		91
13) Ethanol	3.63	45	112126	11.695	ppbv		98
15) Acetone	3.88	43	681169	6.981	ppbv		97
16) 1,3-Butadiene	3.33	39	6428	0.173	ppbv	#	36
17) tert-Butyl alcohol	4.36	59	9943	0.130	ppbv	#	72
19) Isopropyl Alcohol	4.01	45	36761	0.660	ppbv	#	94
20) Methylene Chloride	4.39	84	44511	1.170	ppbv		91
21) Allyl Chloride	4.41	41	1734	0.031	ppbv	#	1
23) Vinyl Acetate	5.12	43	94877	0.837	ppbv	#	83
25) Ethyl Acetate	5.75	43	63109	0.425	ppbv	#	89
26) Hexane	5.75	57	36345	0.537	ppbv	#	1
34) 2-Butanone	5.31	43	67342	0.767	ppbv		99
35) Carbon Tetrachloride	7.10	117	6776	0.056	ppbv	#	77
36) Benzene	6.98	78	9323	0.078	ppbv		96
39) 1,2-Dichloropropane	7.26	63	414946	9.041	ppbv	#	26
44) 2,2,4-Trimethylpentane	7.97	57	39653	0.188	ppbv	#	60
53) Toluene	9.92	91	323253	2.456	ppbv		99

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

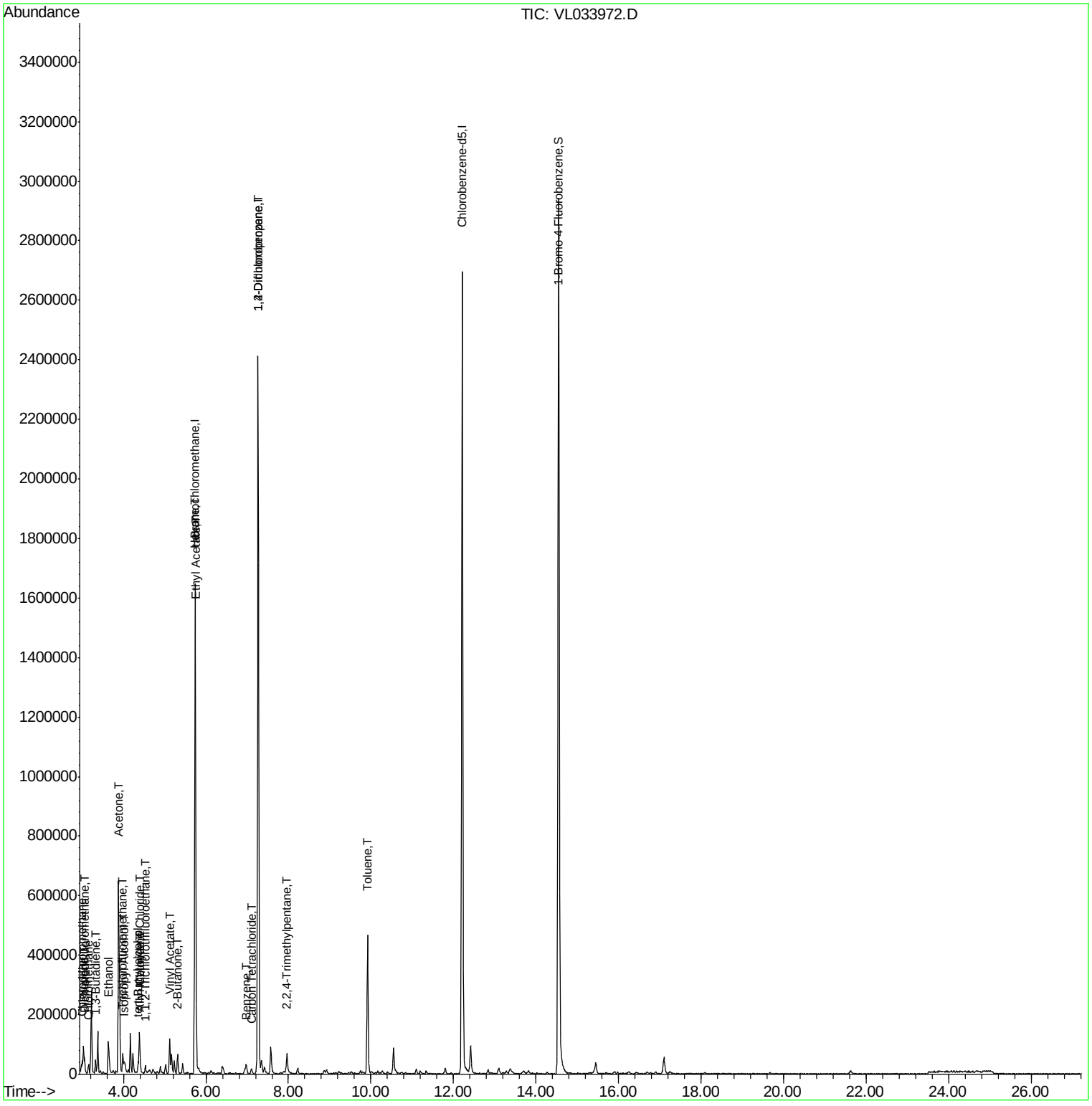
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062619\

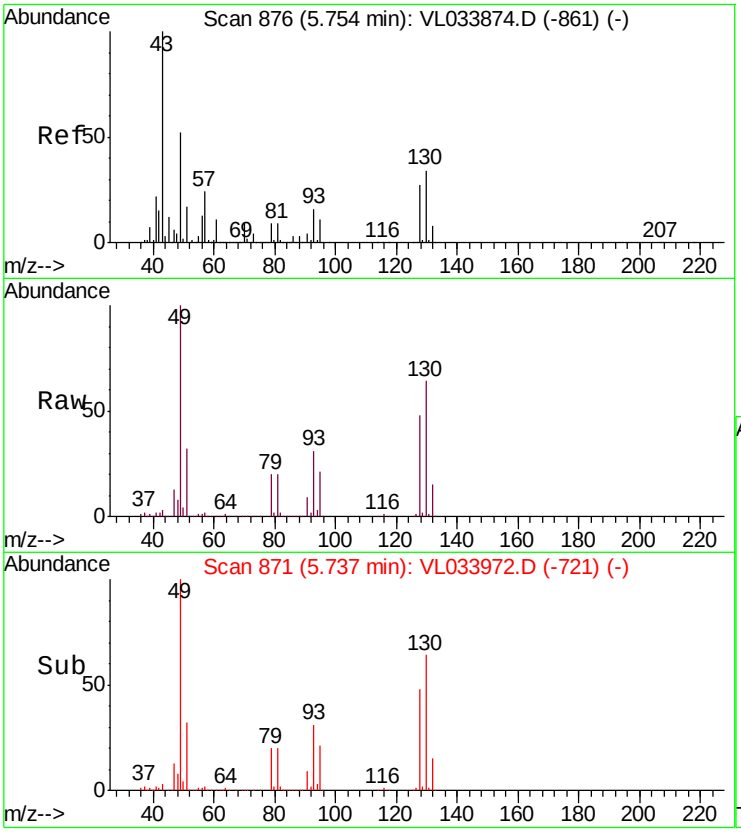
Quantitation Report (Not Reviewed)

Data File : VL033972.D
Acq On : 26 Jun 2019 18:02
Operator : SY/AP
Sample : K3538-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIR

Quant Time: Jun 27 01:23:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration



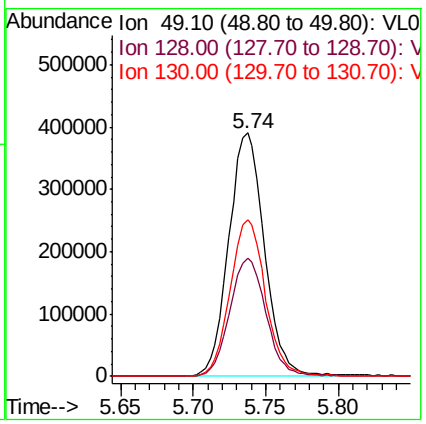


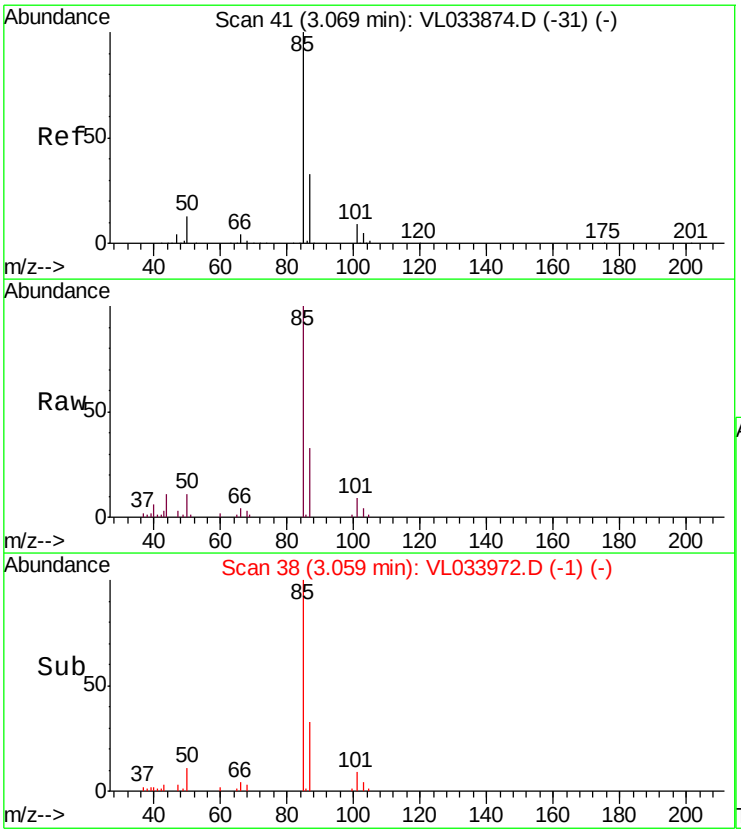
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.74 min Scan# 871
Delta R.T. -0.02 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIR

Tgt Ion: 49 Resp: 668988

Ion	Ratio	Lower	Upper
49	100		
128	49.5	25.5	76.5
130	64.0	32.5	97.4

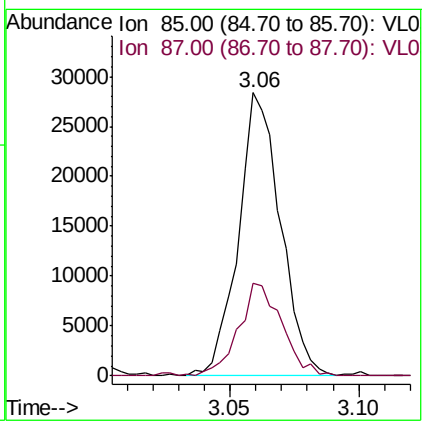


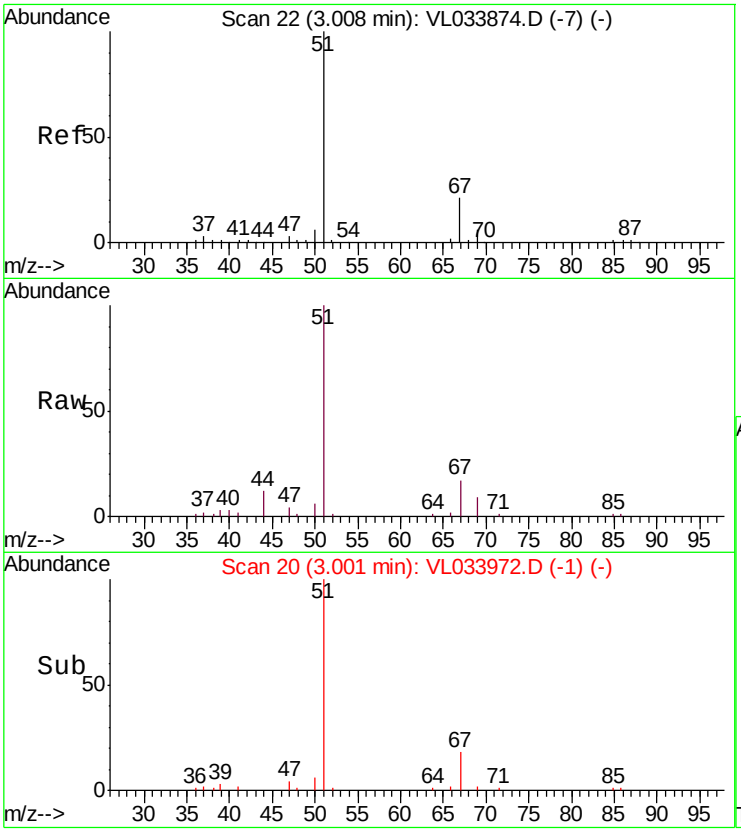


#2
Dichlorodifluoromethane
Concen: 0.298 ppbv
RT: 3.06 min Scan# 38
Delta R.T. -0.01 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion: 85 Resp: 32337

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.6	40.0



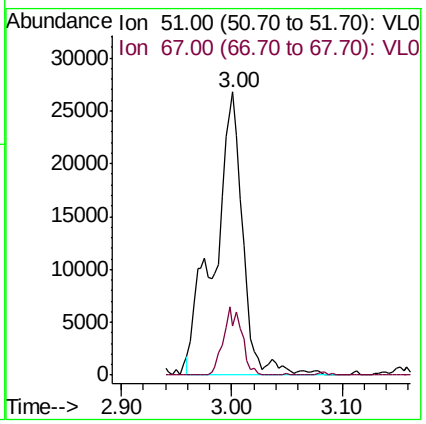


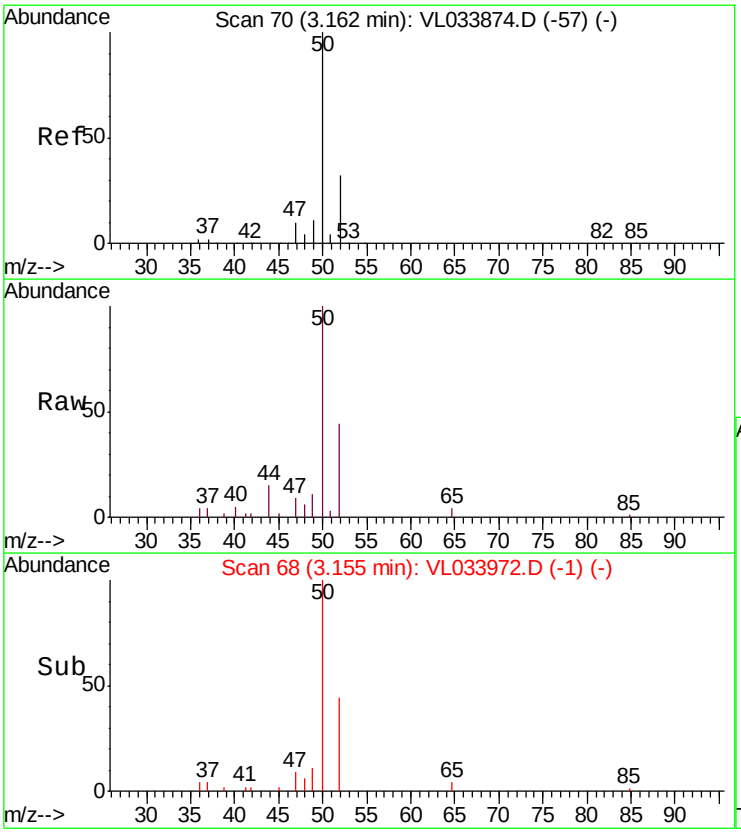
#3
Chlorodifluoromethane
Concen: 0.609 ppbv
RT: 3.00 min Scan# 20
Delta R.T. -0.01 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIR

Tgt Ion: 51 Resp: 47979

Ion	Ratio	Lower	Upper
51	100		
67	15.4	16.4	24.6#

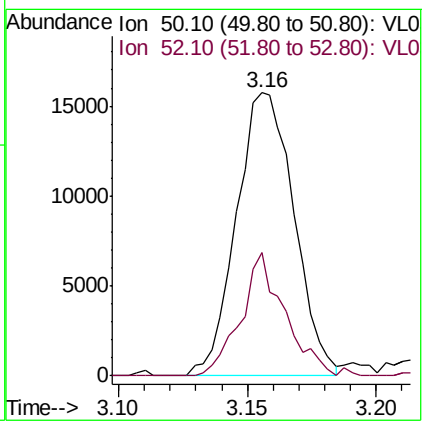


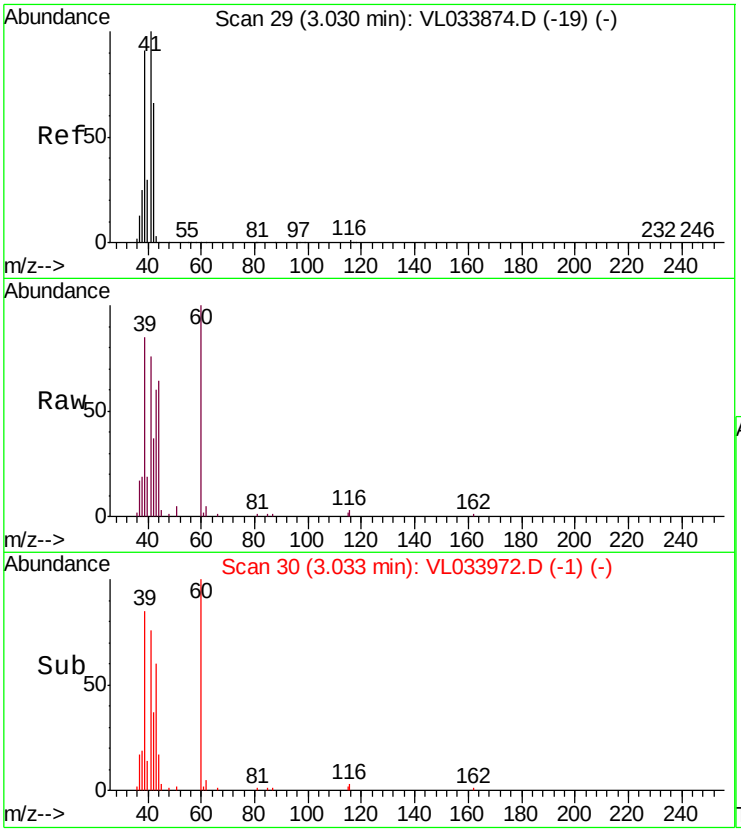


#4
Chloromethane
Concen: 0.547 ppbv
RT: 3.16 min Scan# 68
Delta R.T. -0.01 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion: 50 Resp: 24587

Ion	Ratio	Lower	Upper
50	100		
52	43.6	25.4	38.0#



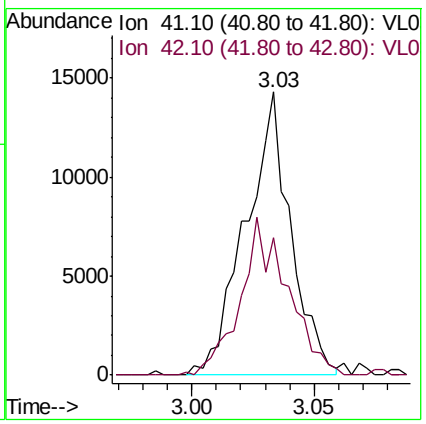


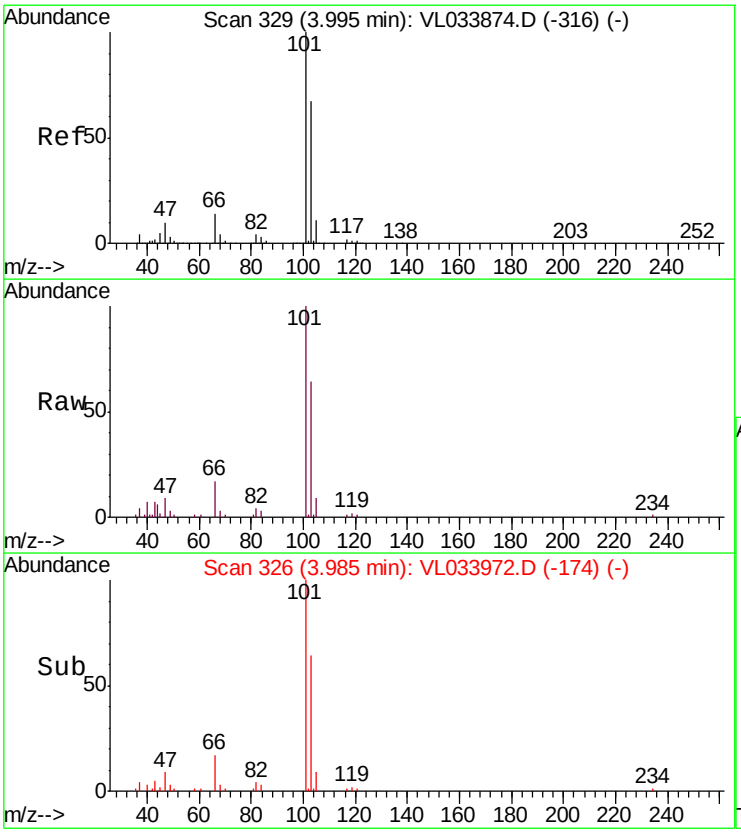
#9
Propene
Concen: 0.623 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument : MSVOA_L
ClientSampleId : OUTDOOR-AIR

Tgt Ion: 41 Resp: 18345

Ion	Ratio	Lower	Upper
41	100		
42	58.7	56.3	84.5

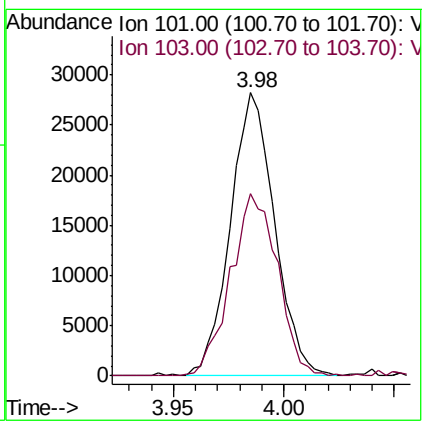


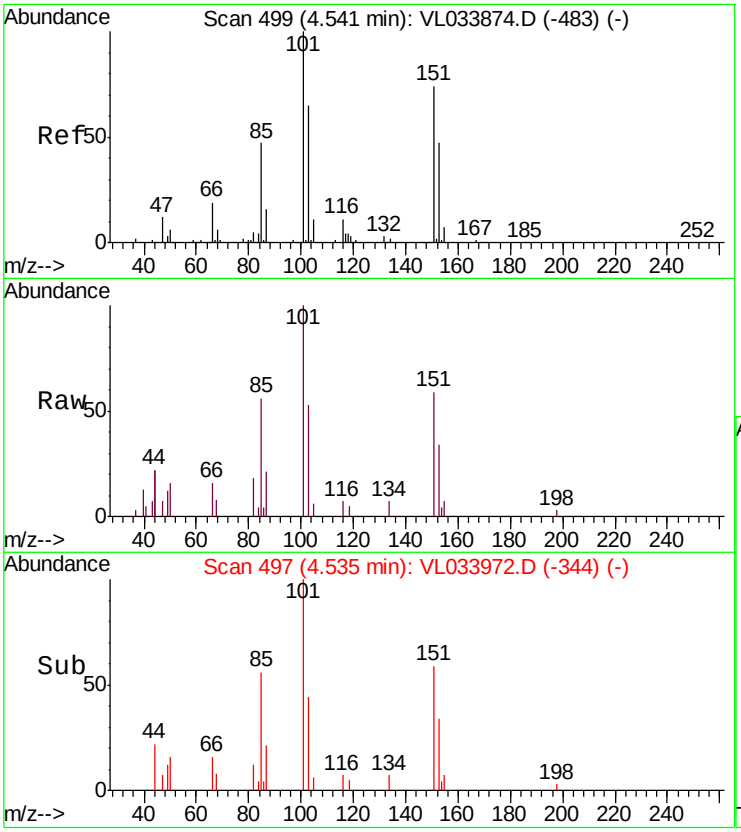


#11
Trichlorofluoromethane
Concen: 0.281 ppbv
RT: 3.98 min Scan# 326
Delta R.T. -0.01 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion:101 Resp: 39335

Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.6	80.4



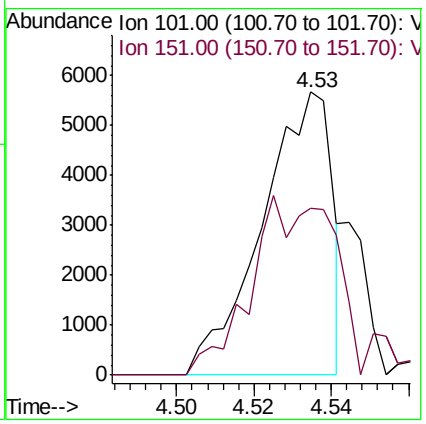


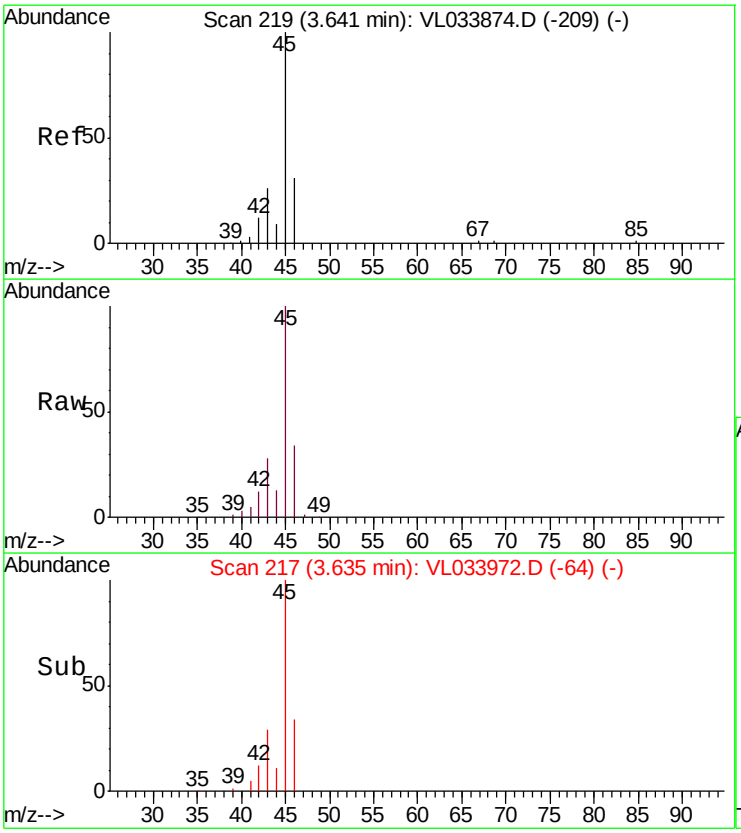
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.075 ppbv
RT: 4.53 min Scan# 497
Delta R.T. -0.01 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIR

Tgt Ion:101 Resp: 7144

Ion	Ratio	Lower	Upper
101	100		
151	80.7	58.6	87.8

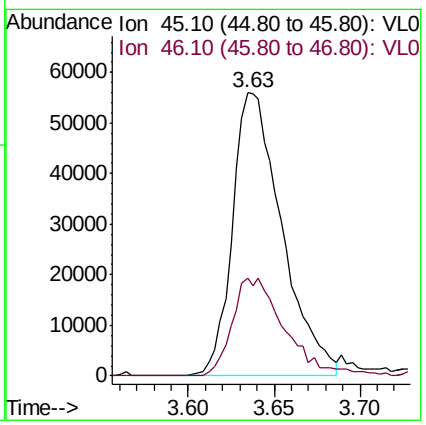


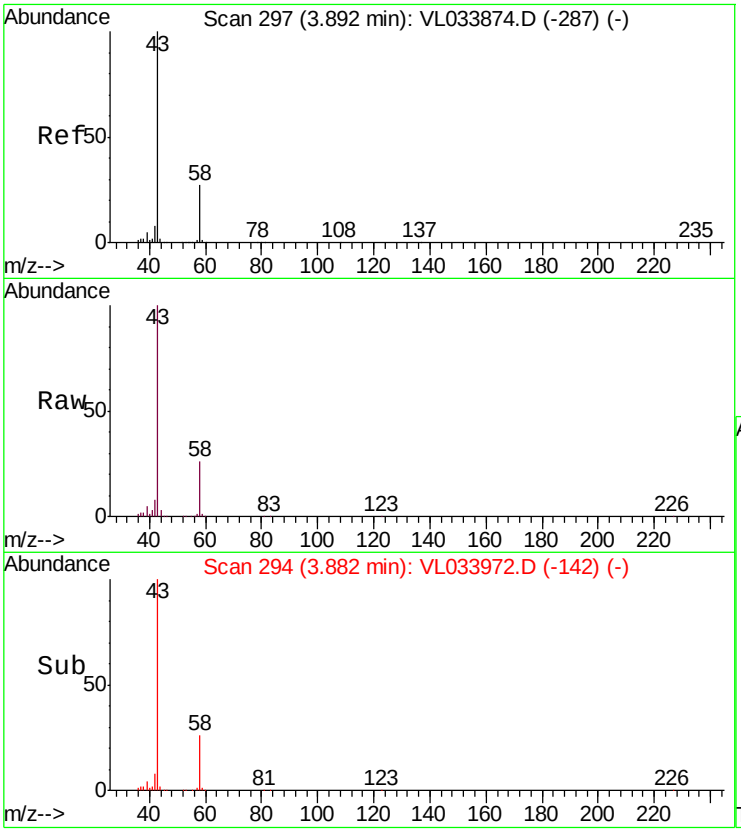


#13
Ethanol
Concen: 11.695 ppbv
RT: 3.63 min Scan# 217
Delta R.T. -0.01 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion: 45 Resp: 112126

Ion	Ratio	Lower	Upper
45	100		
46	36.7	15.3	61.1



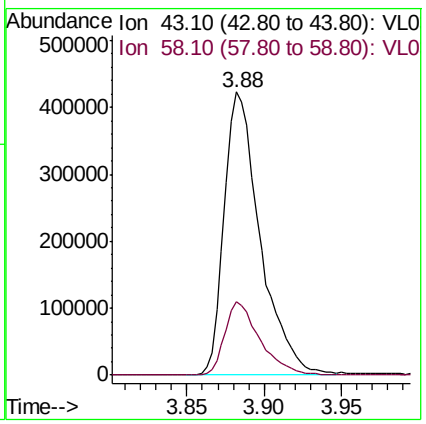


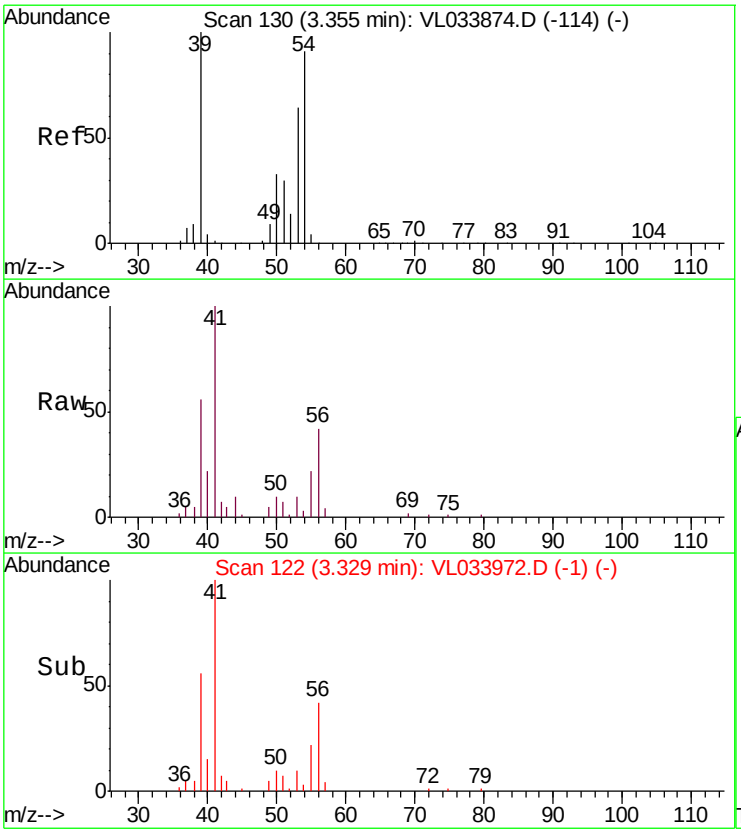
#15
Acetone
Concen: 6.981 ppbv
RT: 3.88 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIR

Tgt Ion: 43 Resp: 681169

Ion	Ratio	Lower	Upper
43	100		
58	25.3	21.3	31.9

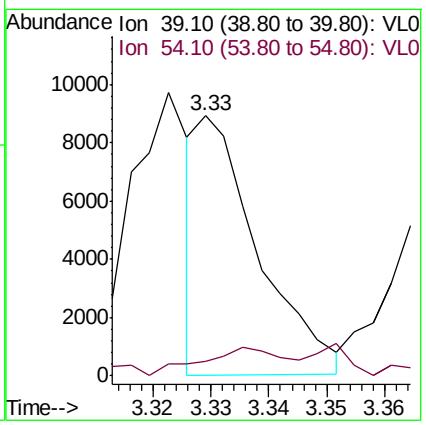


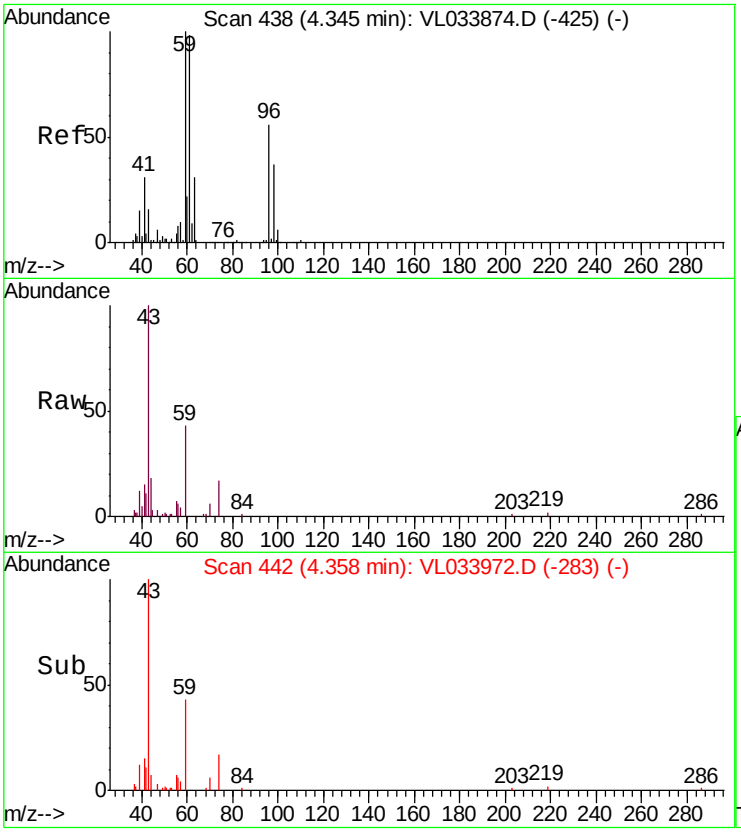


#16
1,3-Butadiene
Concen: 0.173 ppbv
RT: 3.33 min Scan# 122
Delta R.T. -0.03 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion: 39 Resp: 6428

Ion	Ratio	Lower	Upper
39	100		
54	27.2	68.6	103.0#



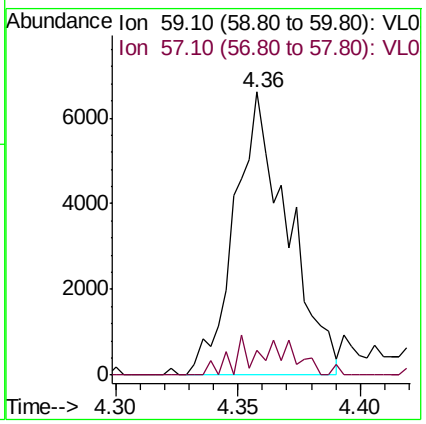


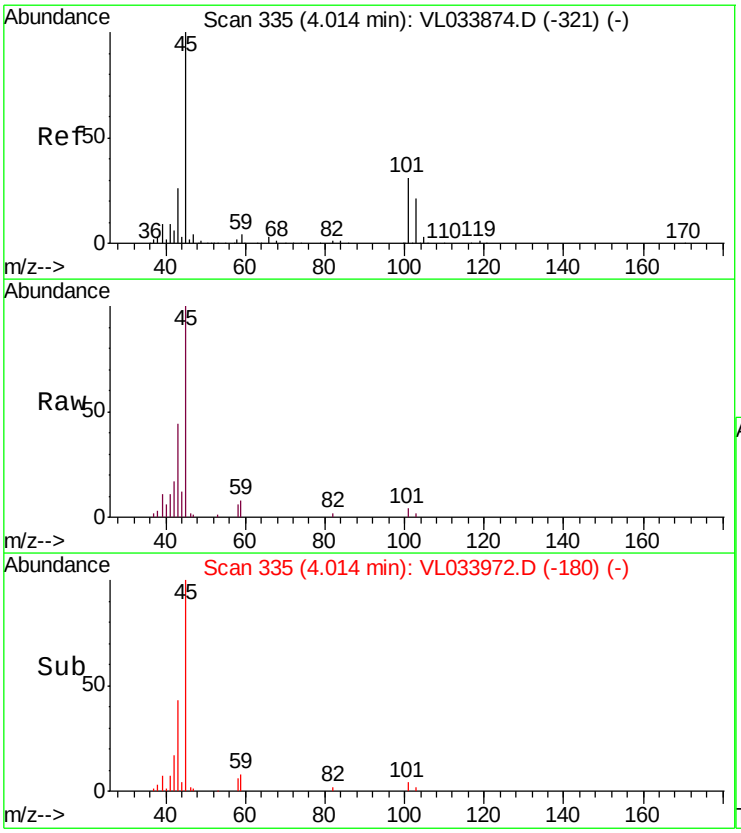
#17
tert-Butyl alcohol
Concen: 0.130 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.01 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIR

Tgt Ion: 59 Resp: 9943

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

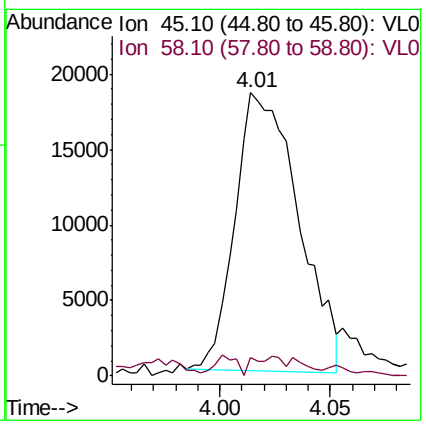


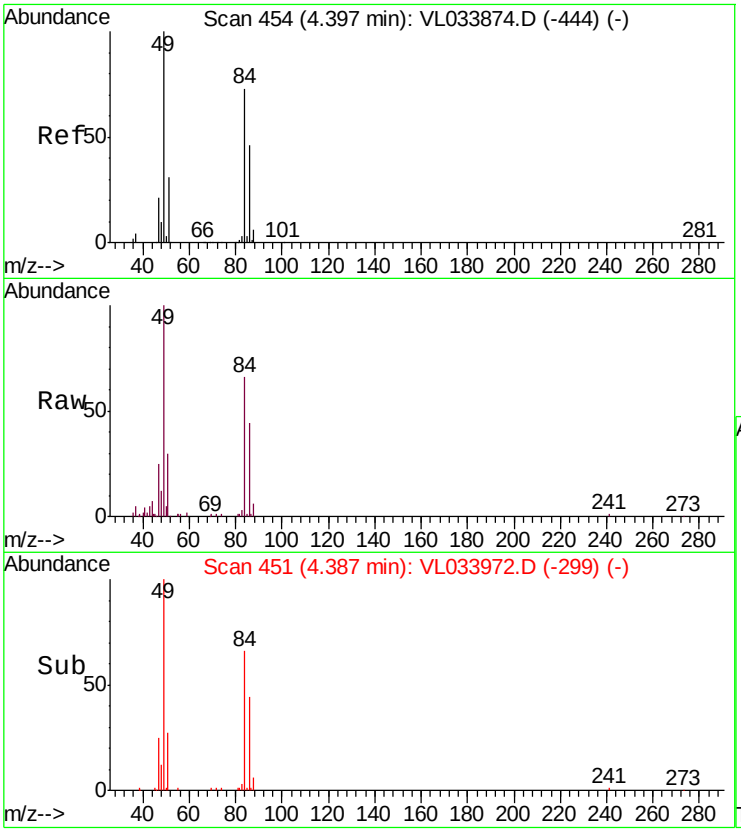


#19
Isopropyl Alcohol
Concen: 0.660 ppbv
RT: 4.01 min Scan# 335
Delta R.T. -0.00 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion: 45 Resp: 36761

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#



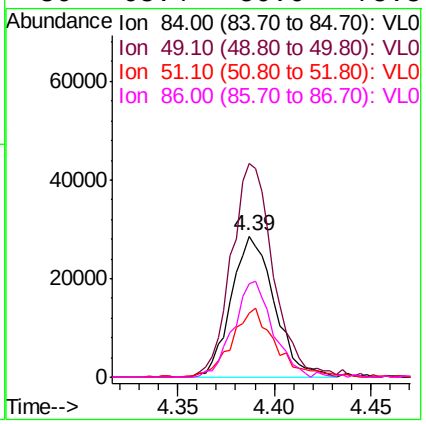


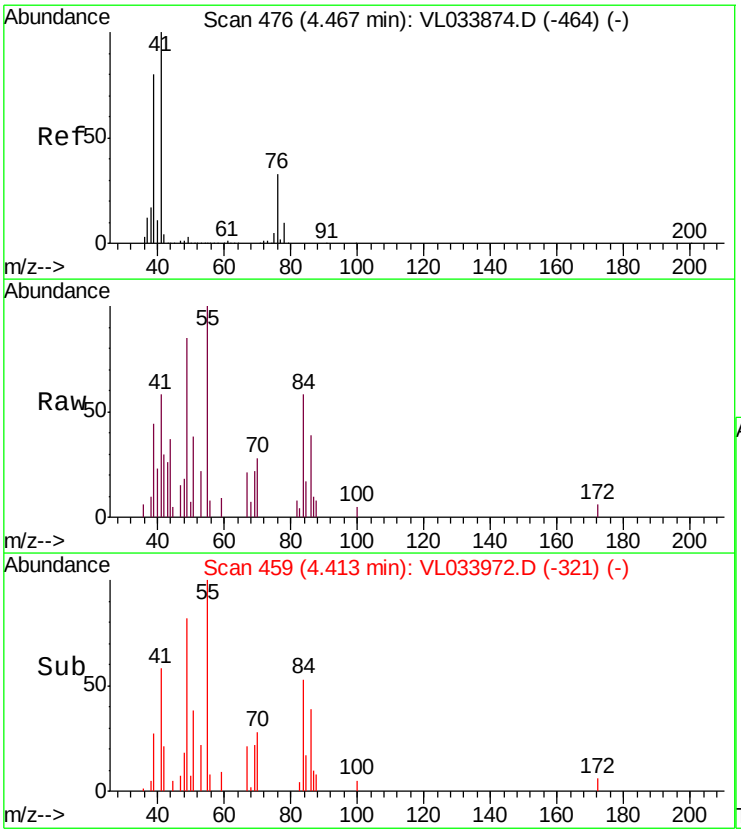
#20
Methylene Chloride
Concen: 1.170 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.01 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIR

Tgt Ion: 84 Resp: 44511

Ion	Ratio	Lower	Upper
84	100		
49	151.6	110.0	165.0
51	44.1	34.6	51.8
86	68.4	50.6	75.8

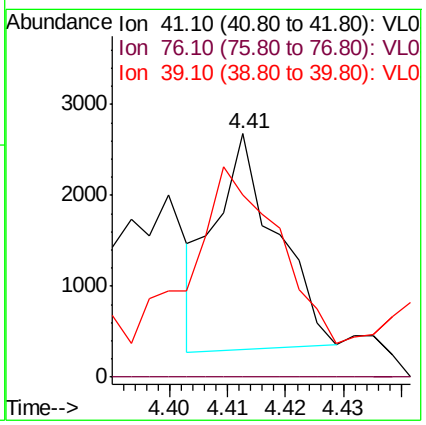


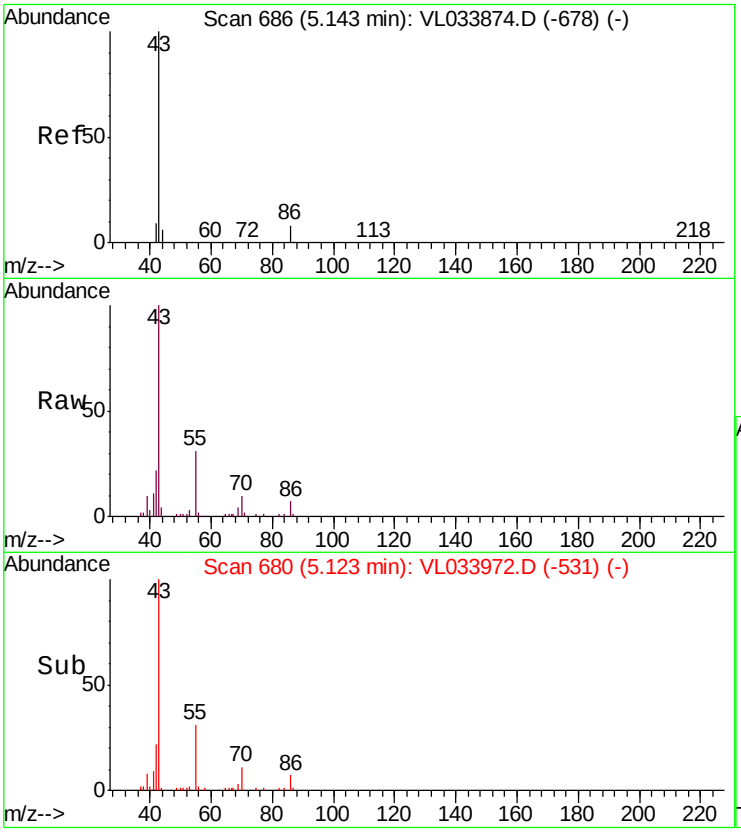


#21
Allyl Chloride
Concen: 0.031 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.05 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion: 41 Resp: 1734

Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.6	39.8#
39	211.1	65.2	97.8#



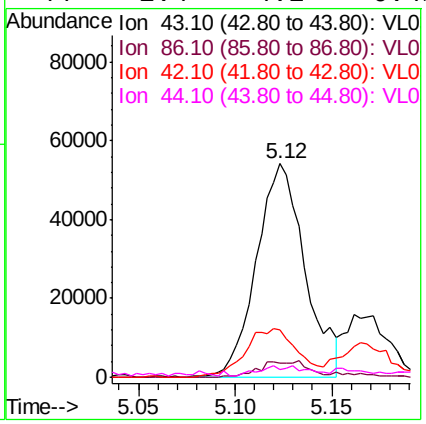


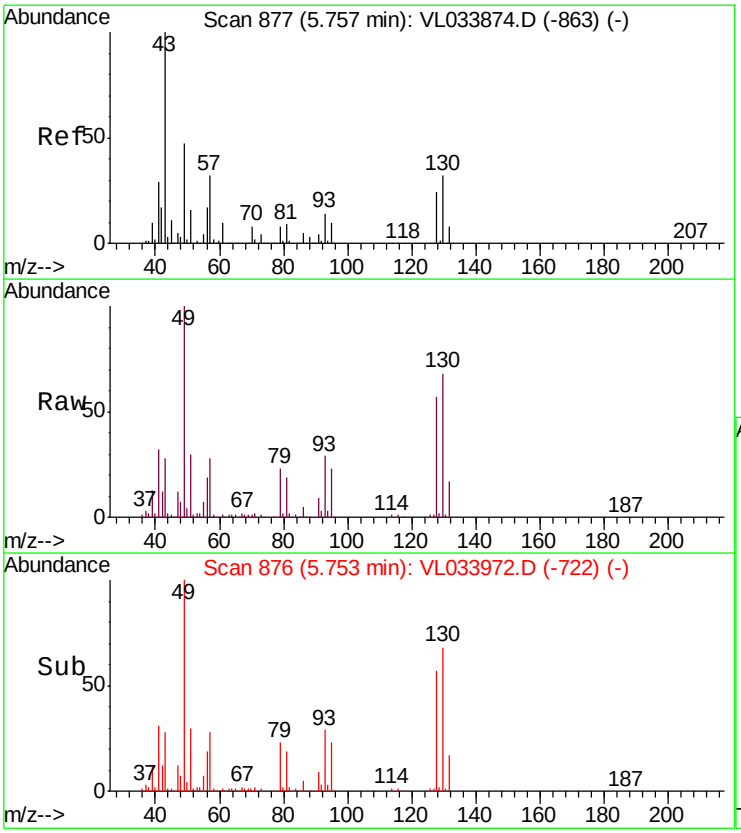
#23
Vinyl Acetate
Concen: 0.837 ppbv
RT: 5.12 min Scan# 680
Delta R.T. -0.02 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument : MSVOA_L
ClientSampleId : OUTDOOR-AIR

Tgt Ion: 43 Resp: 94877

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	22.4	7.8	11.8#
44	2.4	4.2	6.4#

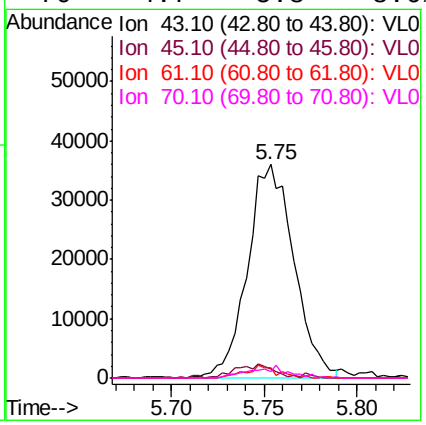


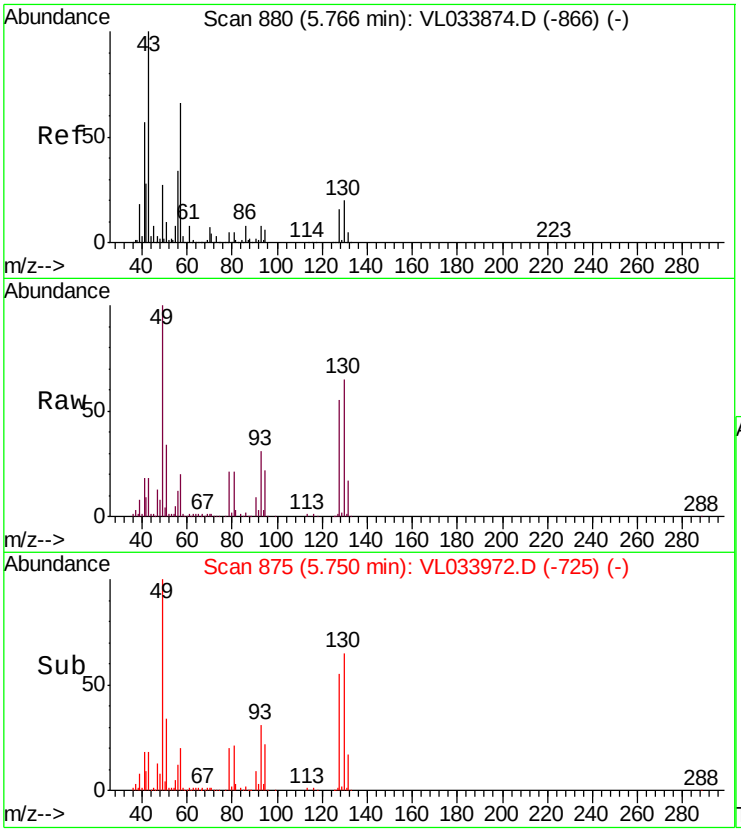


#25
Ethyl Acetate
Concen: 0.425 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.00 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion: 43 Resp: 63109

Ion	Ratio	Lower	Upper
43	100		
45	6.3	7.9	11.9#
61	4.1	7.8	11.6#
70	4.7	5.8	8.6#



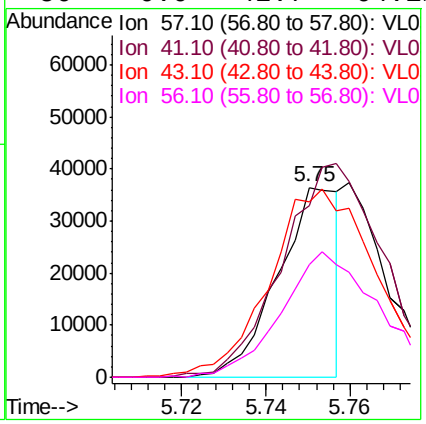


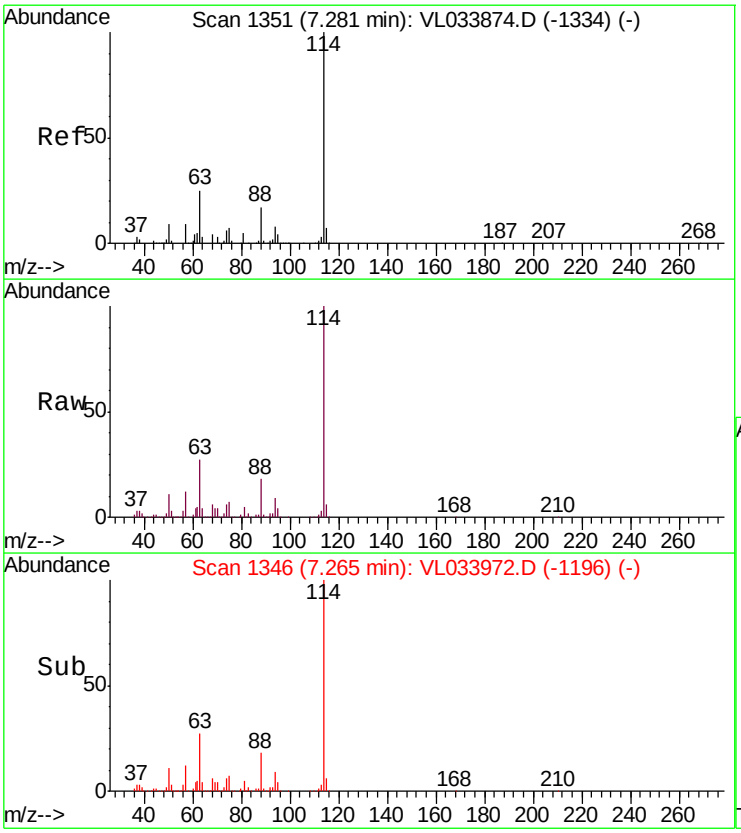
#26
Hexane
Concen: 0.537 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.02 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIR

Tgt Ion: 57 Resp: 36345

Ion	Ratio	Lower	Upper
57	100		
41	0.0	71.4	107.2#
43	0.0	183.7	275.5#
56	0.0	42.7	64.1#

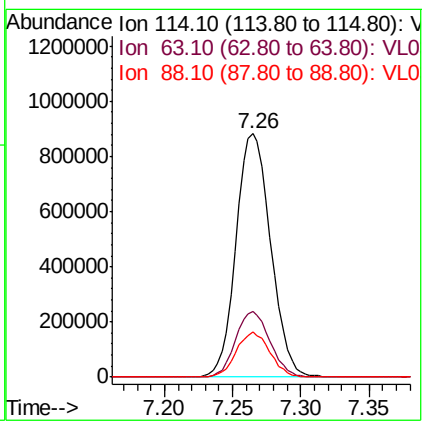


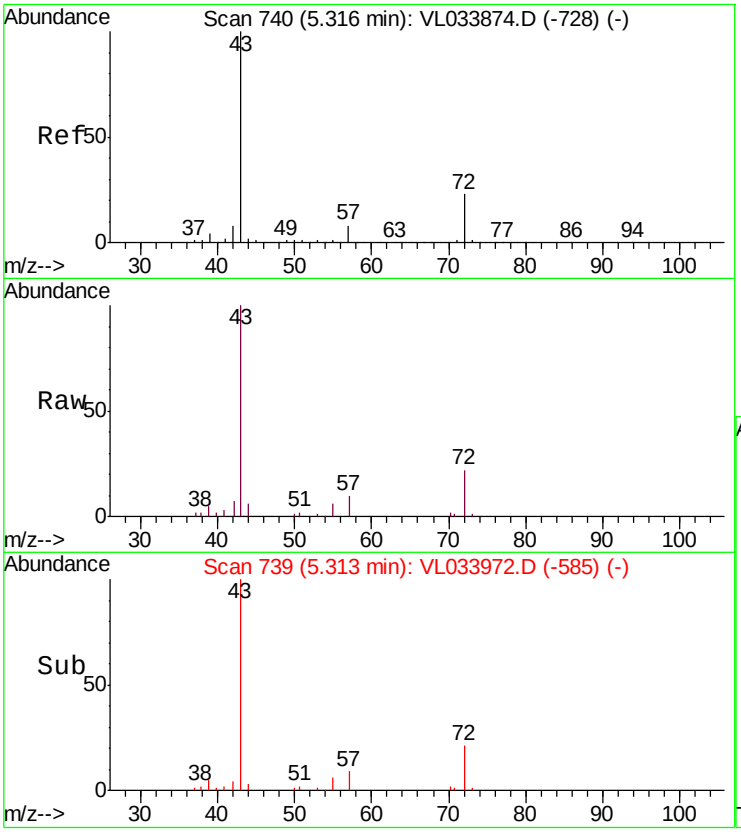


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion:114 Resp: 1556691

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.1	31.7
88	17.8	14.2	21.4



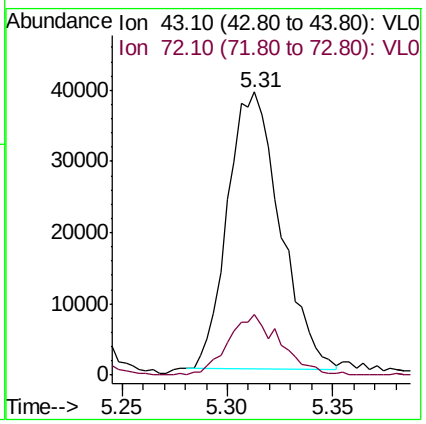


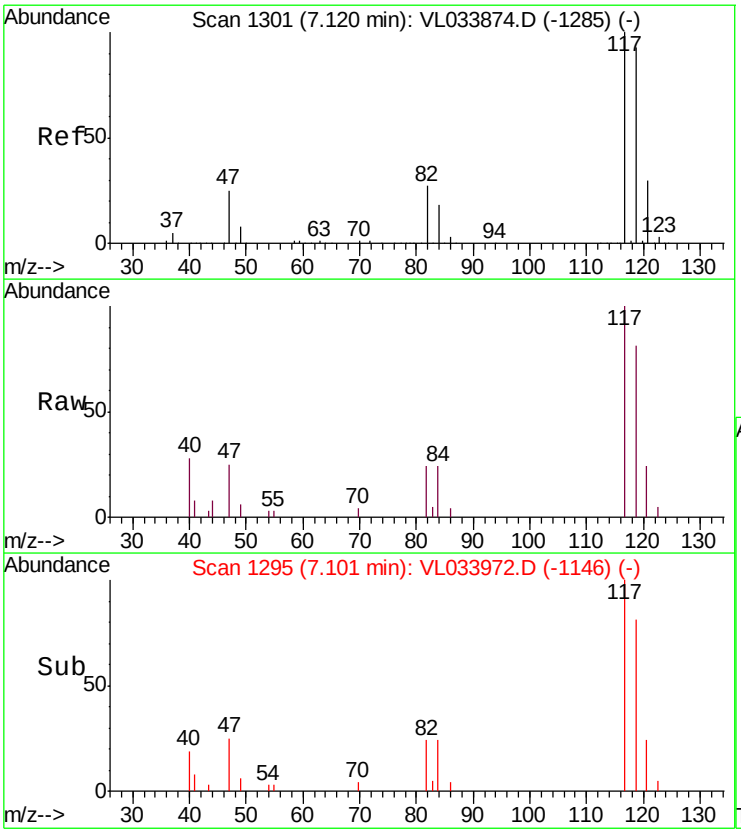
#34
2-Butanone
Concen: 0.767 ppbv
RT: 5.31 min Scan# 739
Delta R.T. -0.00 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument : MSVOA_L
ClientSampleId : OUTDOOR-AIR

Tgt Ion: 43 Resp: 67342

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.9	26.9

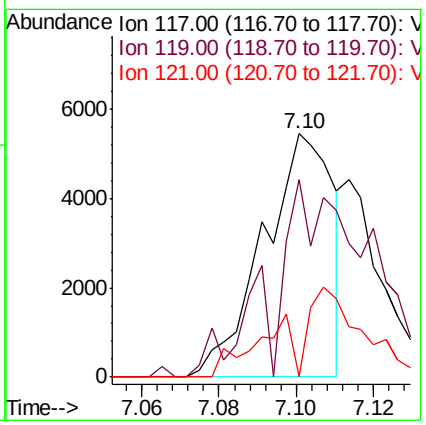


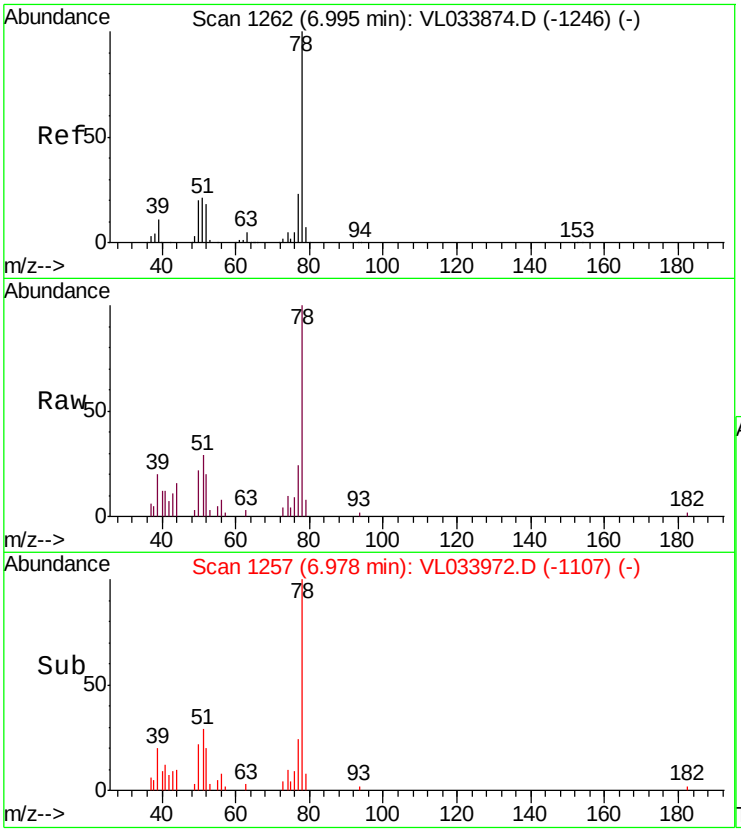


#35
Carbon Tetrachloride
Concen: 0.056 ppbv
RT: 7.10 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion:117 Resp: 6776

Ion	Ratio	Lower	Upper
117	100		
119	80.9	74.6	111.8
121	0.0	24.0	36.0#



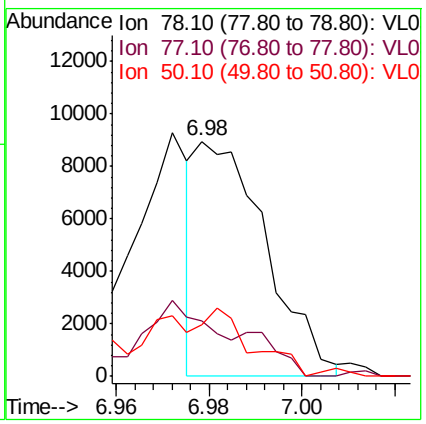


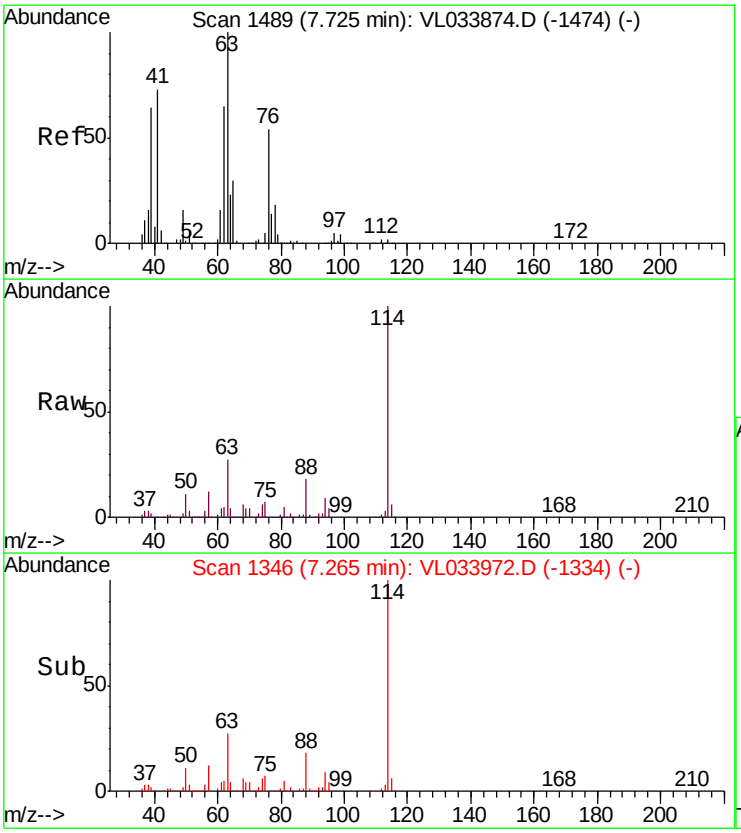
#36
Benzene
Concen: 0.078 ppbv
RT: 6.98 min Scan# 1257
Delta R.T. -0.02 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument : MSVOA_L
ClientSampleId : OUTDOOR-AIR

Tgt Ion: 78 Resp: 9323

Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.2	27.2
50	20.1	15.9	23.9

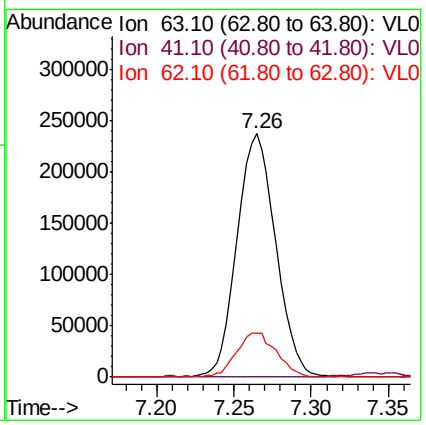


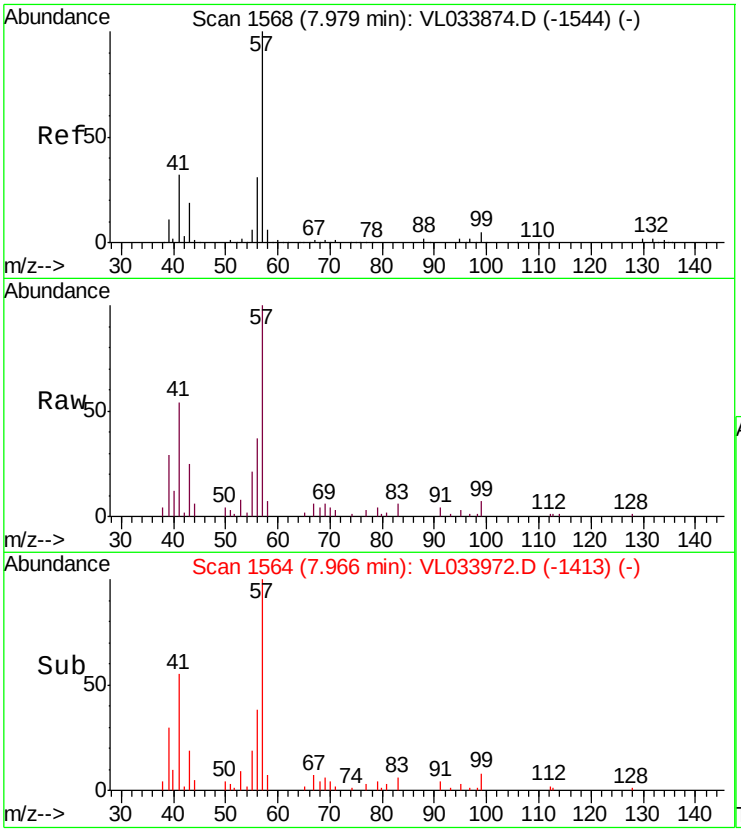


#39
1,2-Dichloropropane
Concen: 9.041 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. -0.46 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion: 63 Resp: 414946

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.7	88.1#
62	17.7	51.9	77.9#



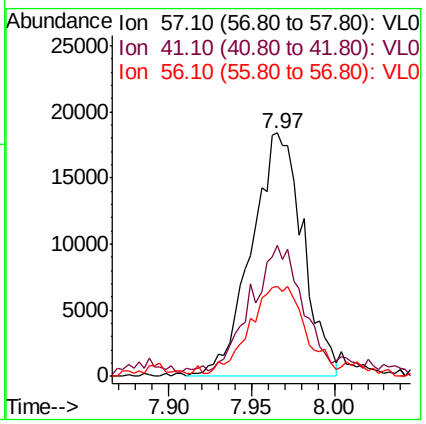


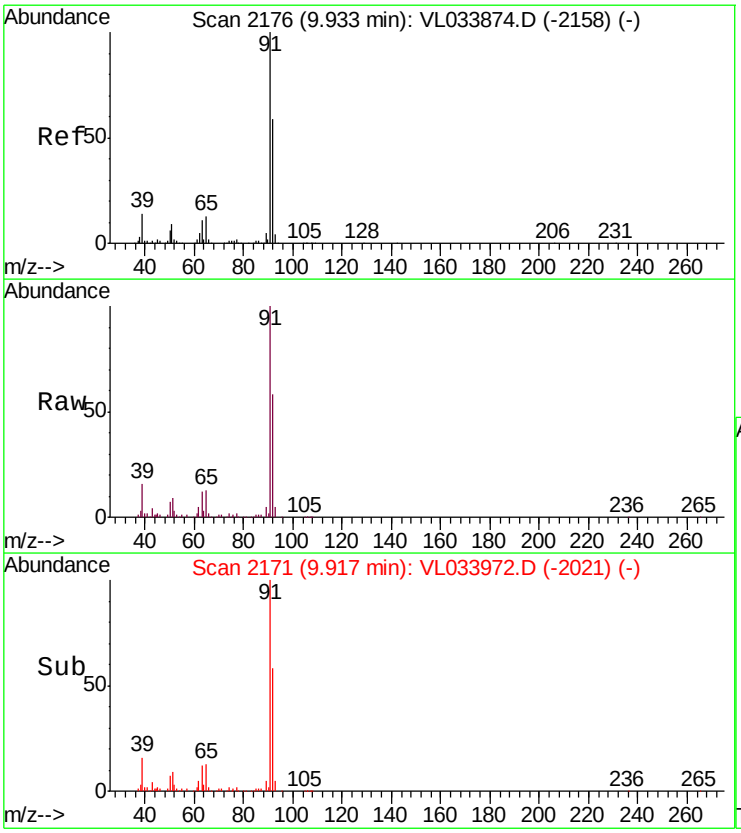
#44
2,2,4-Trimethylpentane
Concen: 0.188 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument : MSVOA_L
ClientSampleId : OUTDOOR-AIR

Tgt Ion: 57 Resp: 39653

Ion	Ratio	Lower	Upper
57	100		
41	62.9	26.1	39.1#
56	44.3	24.6	36.8#

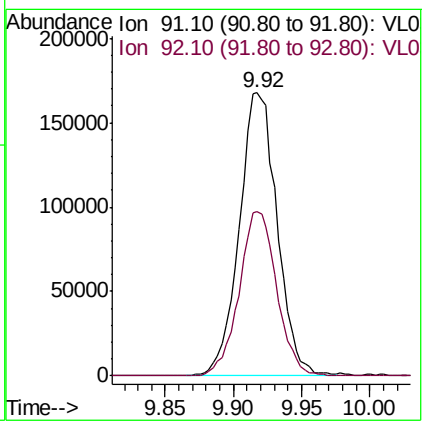


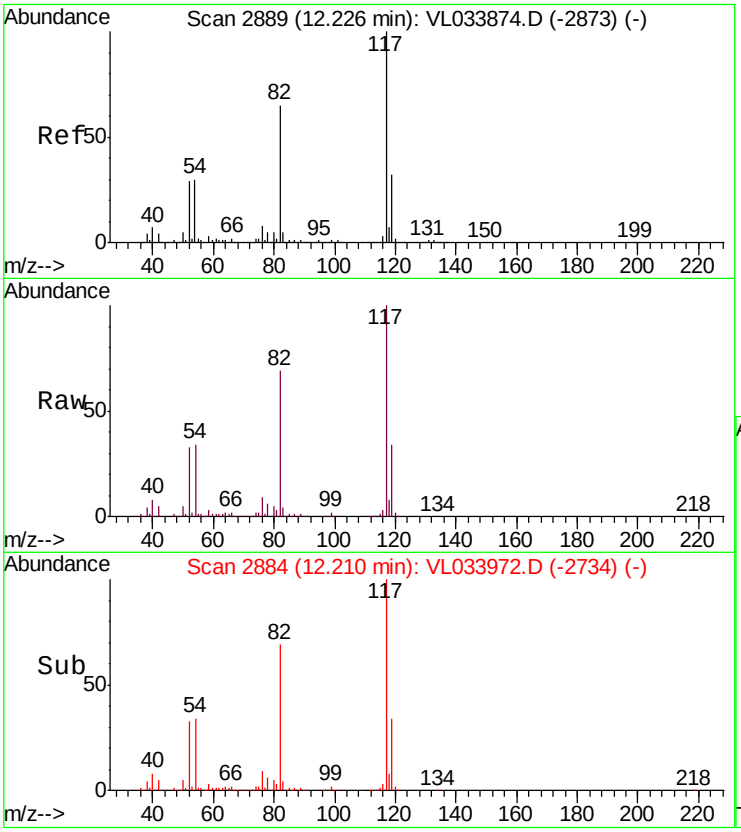


#53
Toluene
Concen: 2.456 ppbv
RT: 9.92 min Scan# 2171
Delta R.T. -0.02 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion: 91 Resp: 323253

Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.0	70.6



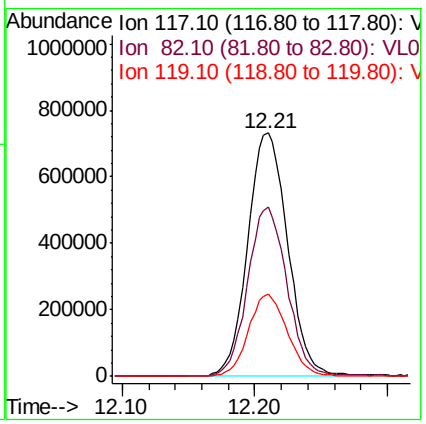


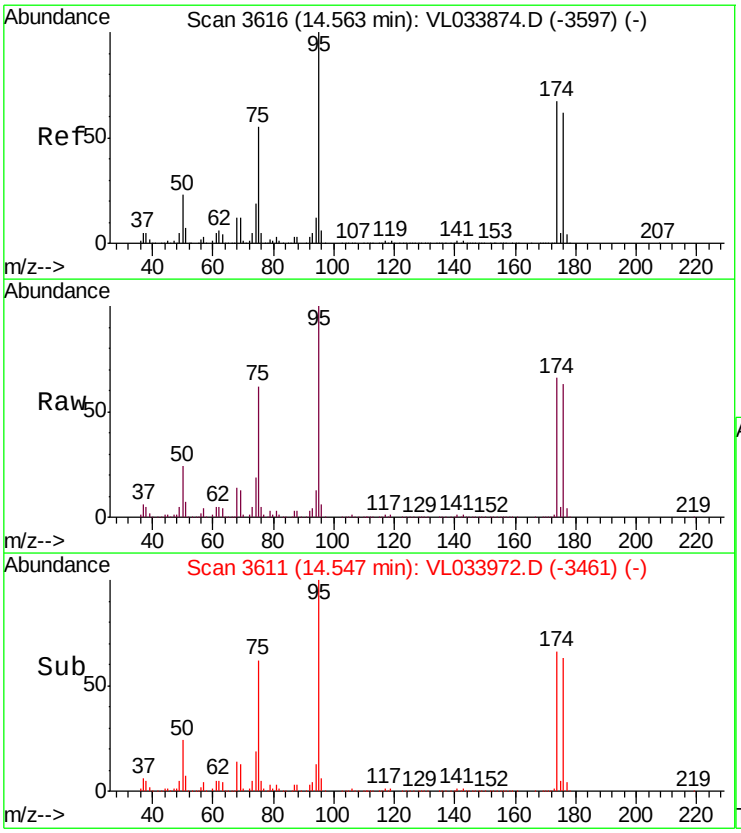
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2884
Delta R.T. -0.02 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Instrument : MSVOA_L
ClientSampleId : OUTDOOR-AIR

Tgt Ion:117 Resp: 1526963

Ion	Ratio	Lower	Upper
117	100		
82	69.6	50.2	75.2
119	33.3	24.8	37.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.350 ppbv
RT: 14.55 min Scan# 3611
Delta R.T. -0.02 min
Lab File: VL033972.D
Acq: 26 Jun 2019 18:02

Tgt Ion: 95 Resp: 1298175

Ion	Ratio	Lower	Upper
95	100		
174	67.0	54.0	81.0
175	4.6	3.8	5.8