Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122320\
Data File : VL036204.D
Acq On : 23 Dec 2020 22:51
Operator : SY/AP
Sample : L5196-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IIA1

Quant Time: Dec 24 05:27:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	1298160	10.00	ppbv		-0.04
33) 1,4-Difluorobenzene	7.15	114	2560199	10.00	ppbv		-0.05
55) Chlorobenzene-d5	12.07	117	2254282	10.00	ppbv		-0.05
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2023886	11.31	ppbv		-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 113.10%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.97	51	152735	1.031	ppbv		92
4) Chloromethane	3.12	50	24866	0.342	ppbv		89
9) Propene	3.18	41	126867	1.710	ppbv		97
11) Trichlorofluoromethane	3.93	101	65842	0.370	ppbv		86
13) Ethanol	3.59	45	379505	37.103	ppbv		91
15) Acetone	3.83	43	976477	6.259	ppbv	#	86
16) 1,3-Butadiene	3.30	39	6701	0.085	ppbv	#	11
19) Isopropyl Alcohol	3.95	45	149879	1.572	ppbv	#	100
20) Methylene Chloride	4.32	84	213195	3.335	ppbv		86
23) Vinyl Acetate	5.04	43	12217	0.059	ppbv	#	9
25) Ethyl Acetate	5.66	43	530300	1.701	ppbv	#	79
26) Hexane	5.66	57	706728	5.038	ppbv	#	39
29) Chloroform	5.73	83	5889	0.032	ppbv	#	7
30) Cyclohexane	7.10	84	3828	0.037	ppbv	#	1
34) 2-Butanone	5.23	43	38234	0.225	ppbv	#	66
36) Benzene	6.86	78	56998	0.263	ppbv		96
39) 1,2-Dichloropropane	7.15	63	849257	9.911	ppbv	#	26
41) Tetrahydrofuran	6.29	42	3391	0.034	ppbv	#	43
44) 2,2,4-Trimethylpentane	7.84	57	70236	0.179	ppbv	#	40
53) Toluene	9.78	91	294243	1.208	ppbv		99
58) Ethyl Benzene	12.69	91	14243	0.046	ppbv		97
59) m/p-Xylene	12.98	91	29463	0.113	ppbv	#	34
60) o-Xylene	13.67	91	16043	0.065	ppbv	#	33
74) 1,2,4-Trimethylbenzene	16.75	105	29524	0.116	ppbv	#	65

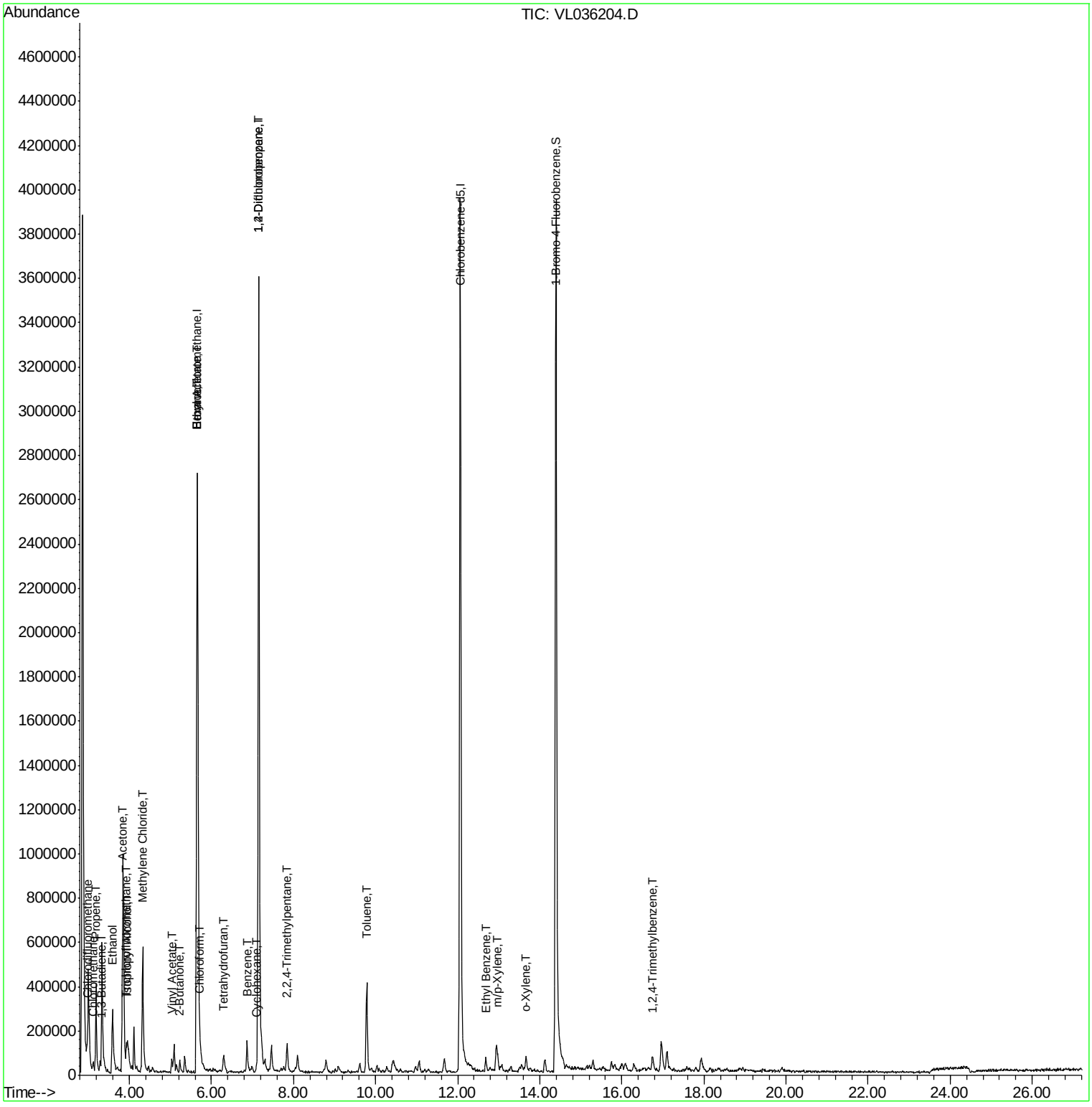
(#) = qualifier out of range (m) = manual integration (+) = signals summed

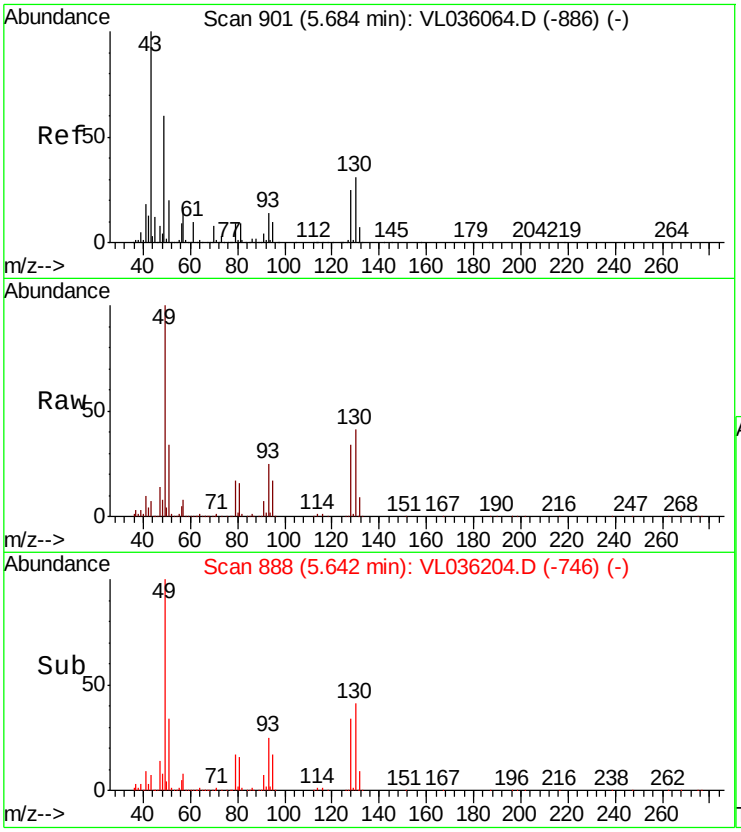
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122320\
Data File : VL036204.D
Acq On : 23 Dec 2020 22:51
Operator : SY/AP
Sample : L5196-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IIA1

Quant Time: Dec 24 05:27:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration



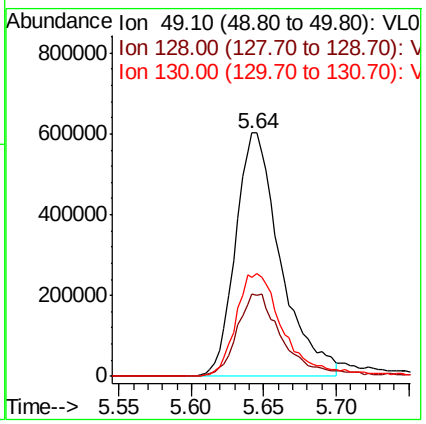


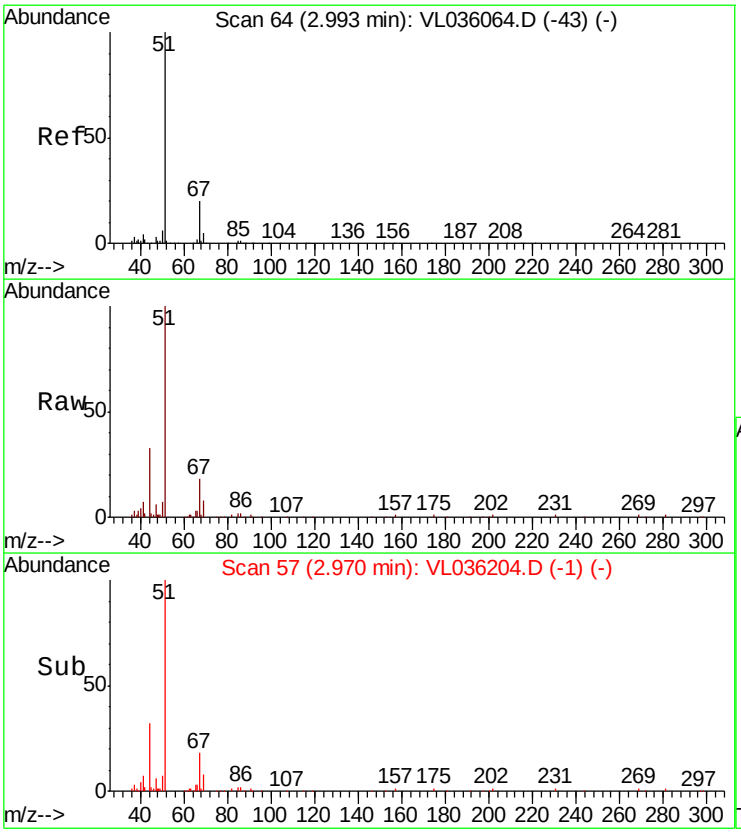
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.04 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument :
MSVOA_L
ClientSampleId :
IIA1

Tgt Ion: 49 Resp: 1298160

Ion	Ratio	Lower	Upper
49	100		
128	36.0	21.1	63.1
130	46.5	27.1	81.3

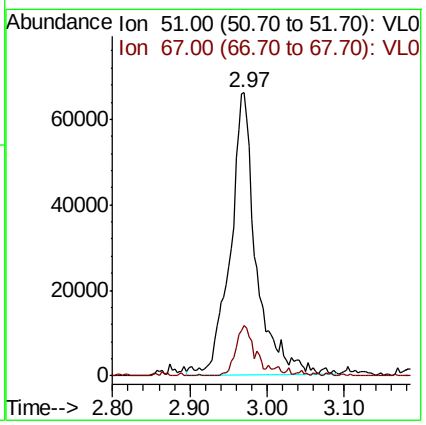


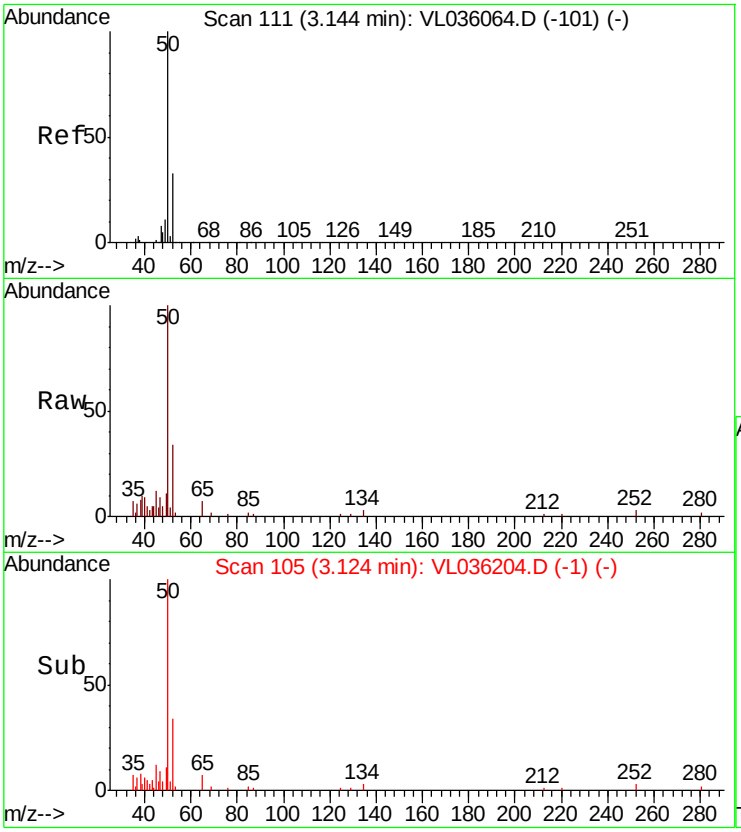


#3
Chlorodifluoromethane
Concen: 1.031 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 51 Resp: 152735

Ion	Ratio	Lower	Upper
51	100		
67	14.4	14.3	21.5

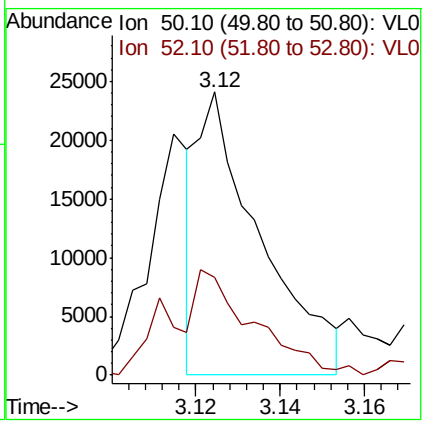




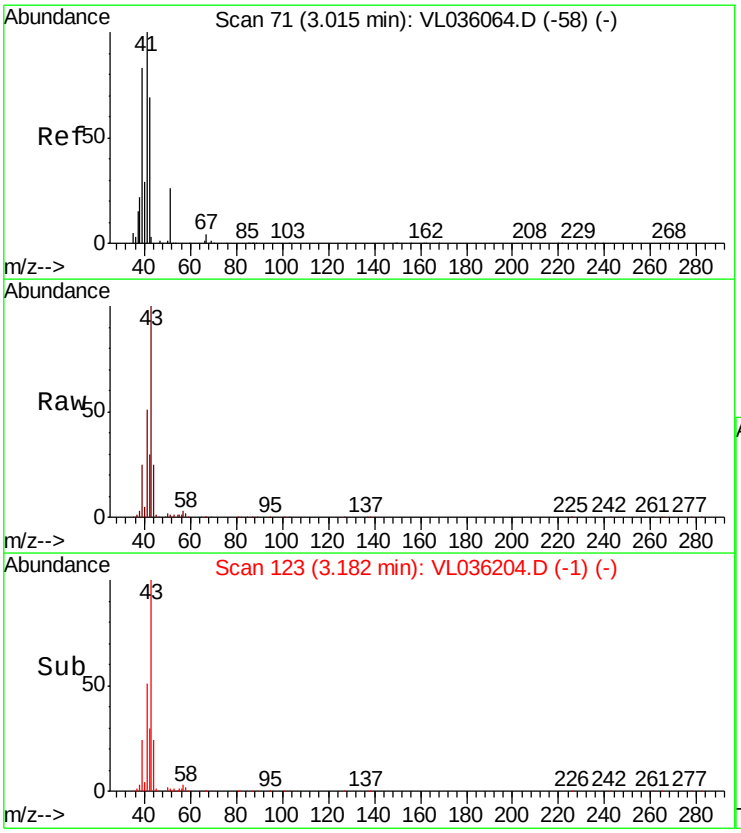
#4
Chloromethane
Concen: 0.342 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.02 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 50 Resp: 24866

Ion	Ratio	Lower	Upper
50	100		
52	38.8	26.1	39.1



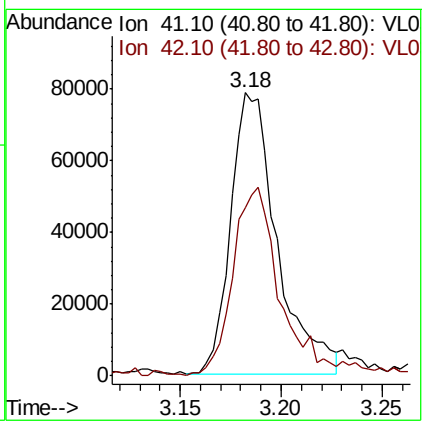
Instrument :
MSVOA_L
ClientSampleId :
IIA1

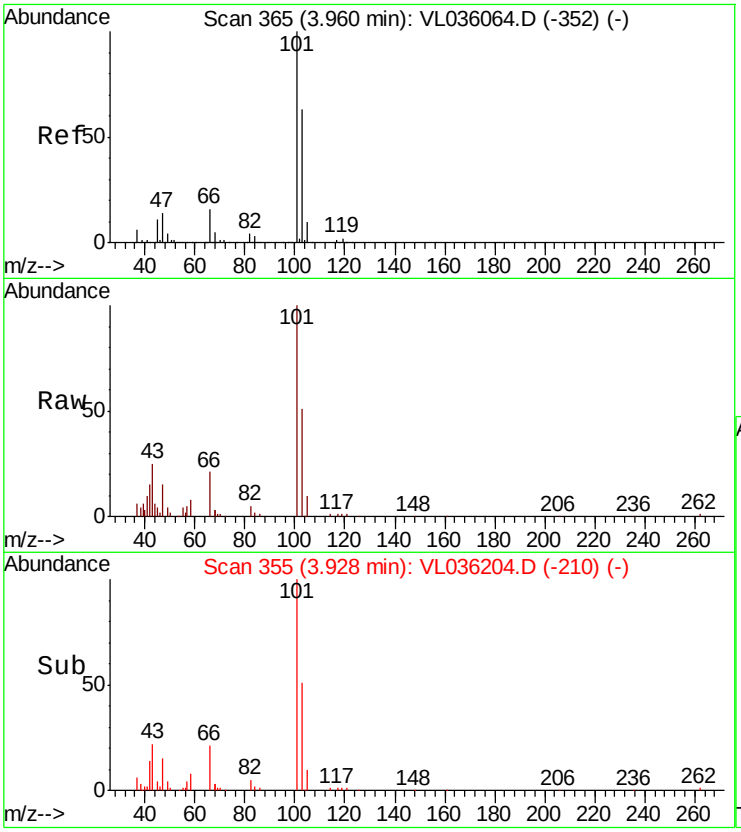


#9
Propene
Concen: 1.710 ppbv
RT: 3.18 min Scan# 123
Delta R.T. 0.17 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 41 Resp: 126867

Ion	Ratio	Lower	Upper
41	100		
42	69.1	57.0	85.6

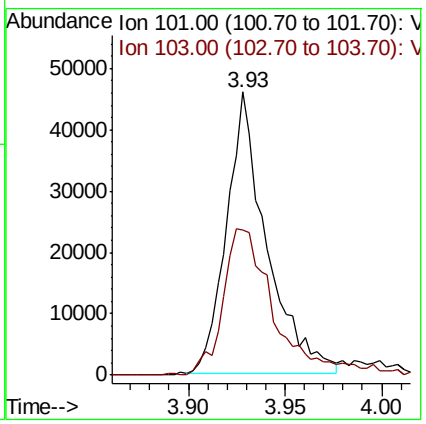




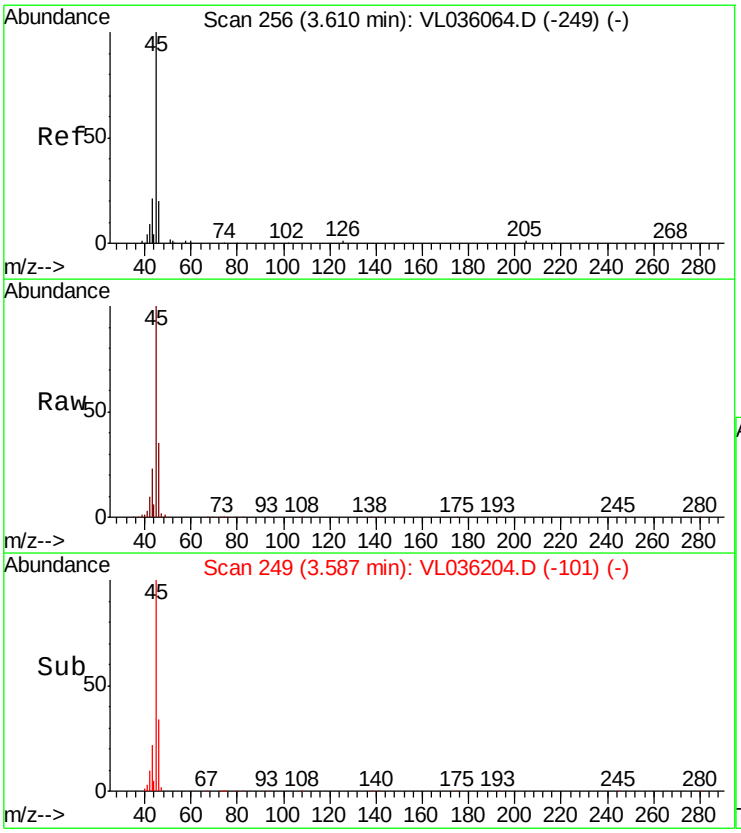
#11
Trichlorofluoromethane
Concen: 0.370 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.03 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion:101 Resp: 65842

Ion	Ratio	Lower	Upper
101	100		
103	51.7	50.3	75.5



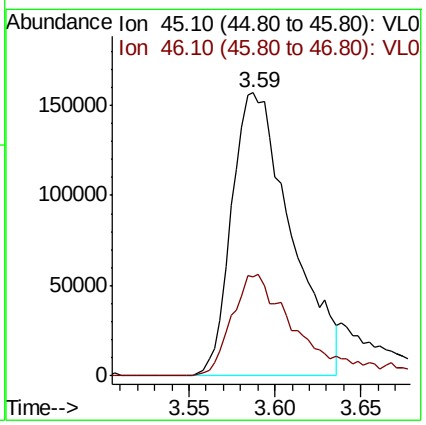
Instrument :
MSVOA_L
ClientSampleId :
IIA1

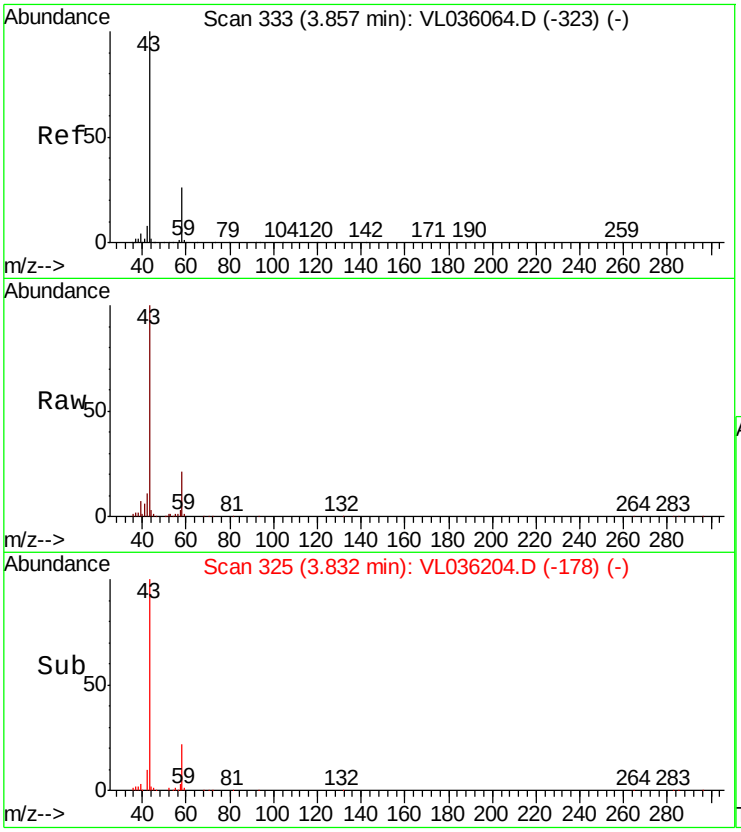


#13
Ethanol
Concen: 37.103 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 45 Resp: 379505

Ion	Ratio	Lower	Upper
45	100		
46	41.4	19.0	75.8



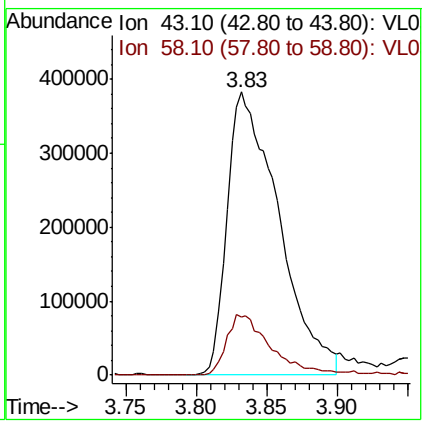


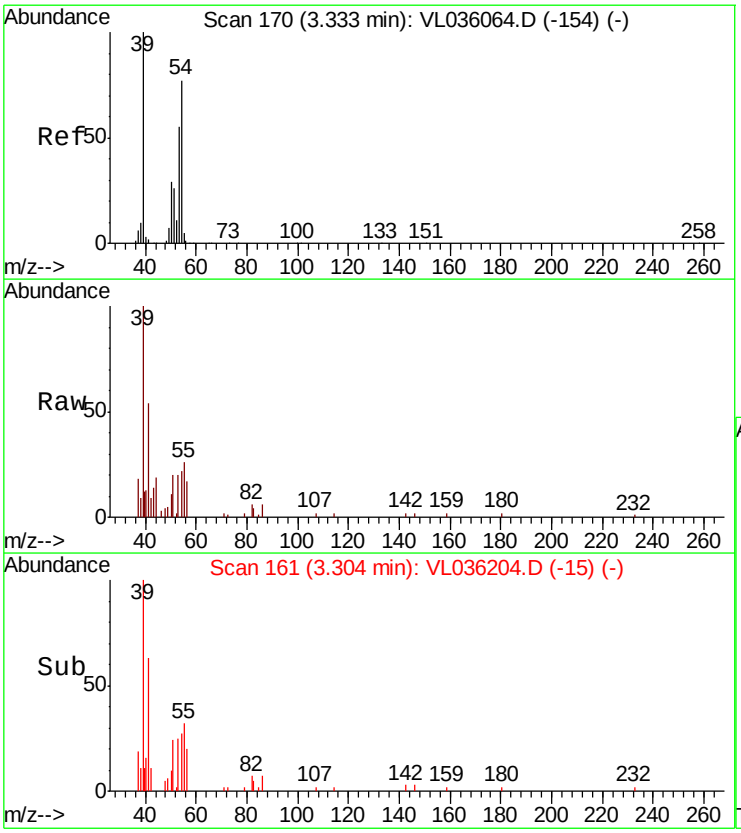
#15
Acetone
Concen: 6.259 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.03 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument : MSVOA_L
ClientSampleId : IIA1

Tgt Ion: 43 Resp: 976477

Ion	Ratio	Lower	Upper
43	100		
58	19.1	20.9	31.3#

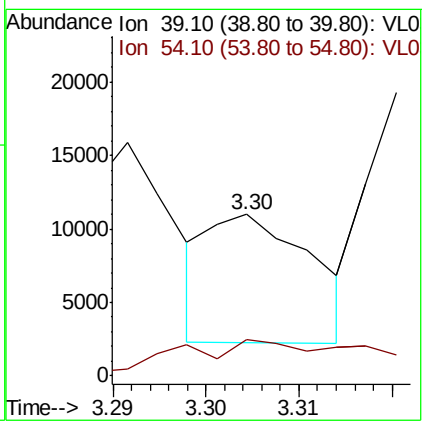


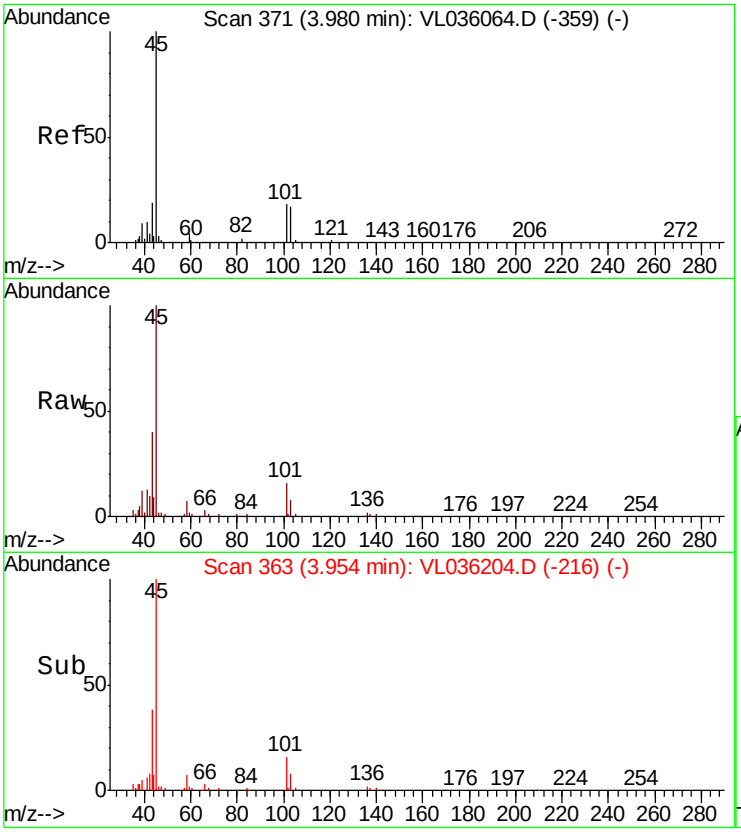


#16
1,3-Butadiene
Concen: 0.085 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.03 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 39 Resp: 6701

Ion	Ratio	Lower	Upper
39	100		
54	0.0	62.1	93.1#



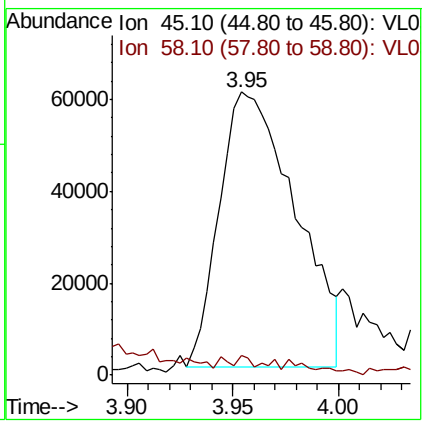


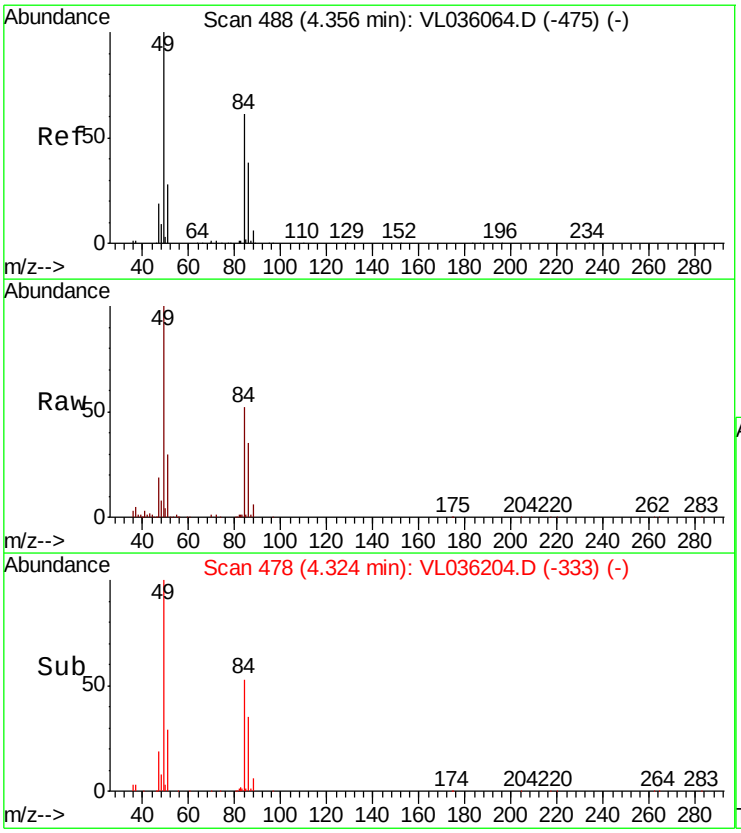
#19
Isopropyl Alcohol
Concen: 1.572 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.03 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument : MSVOA_L
ClientSampleId : IIA1

Tgt Ion: 45 Resp: 149879

Ion	Ratio	Lower	Upper
45	100		
58	4.5	0.0	0.0#

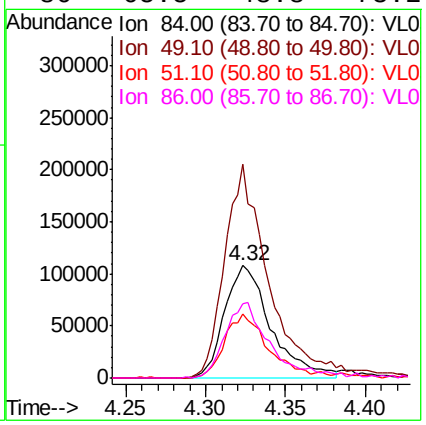


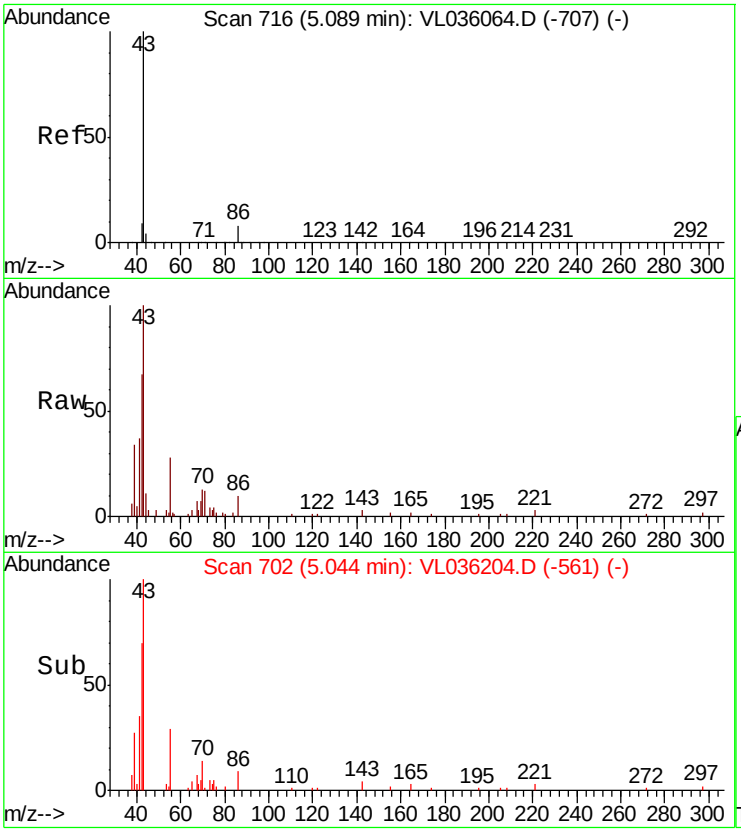


#20
Methylene Chloride
Concen: 3.335 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.03 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 84 Resp: 213195

Ion	Ratio	Lower	Upper
84	100		
49	190.3	133.0	199.4
51	57.0	38.9	58.3
86	65.5	48.8	73.2



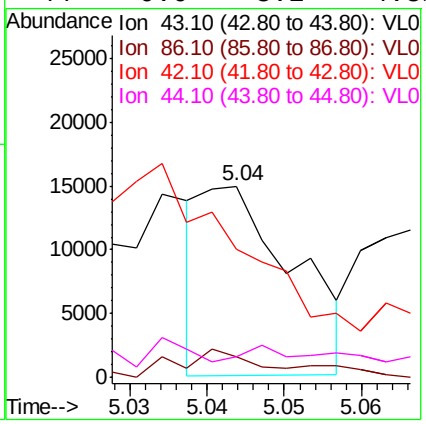


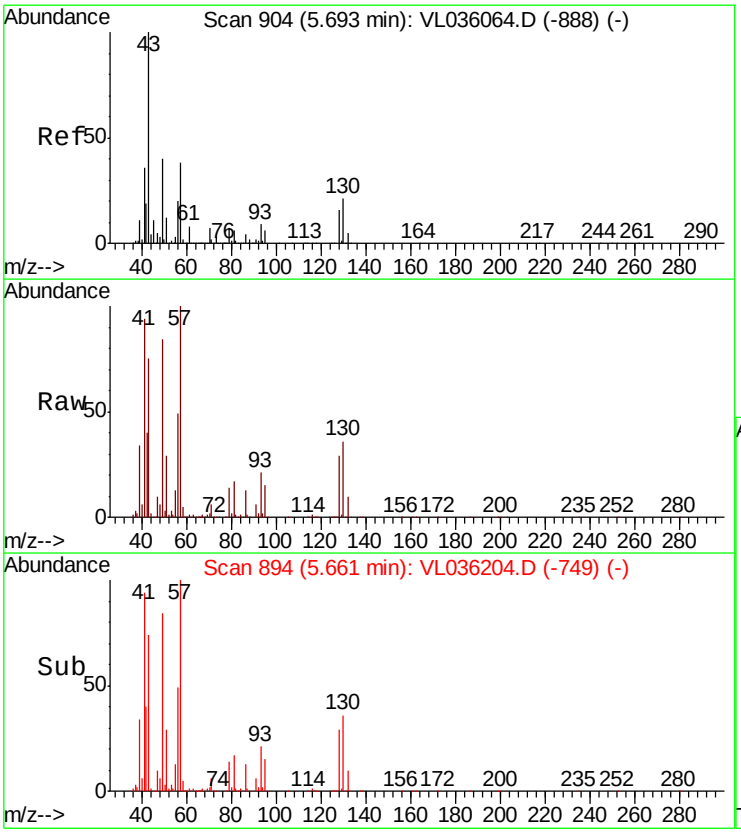
#23
Vinyl Acetate
Concen: 0.059 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument : MSVOA_L
ClientSampleId : IIA1

Tgt Ion: 43 Resp: 12217

Ion	Ratio	Lower	Upper
43	100		
86	12.7	5.0	7.4#
42	72.0	7.8	11.6#
44	0.0	3.2	4.8#

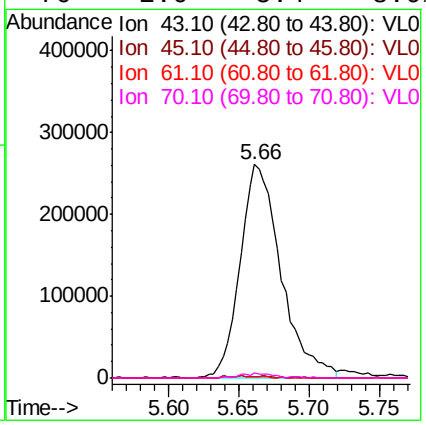


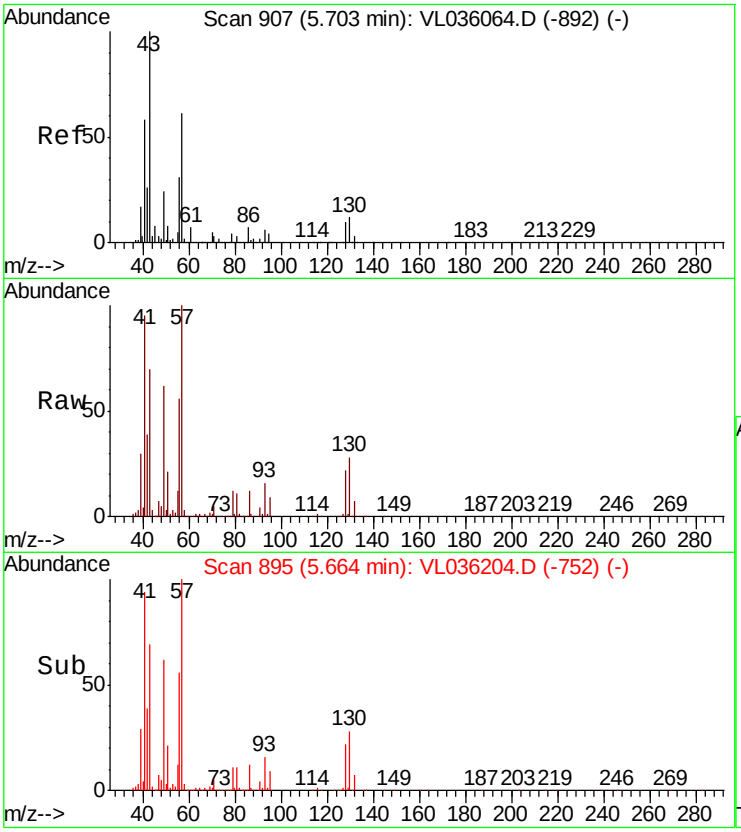


#25
Ethyl Acetate
Concen: 1.701 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 43 Resp: 530300

Ion	Ratio	Lower	Upper
43	100		
45	1.0	8.2	12.4#
61	0.8	7.4	11.2#
70	2.0	5.4	8.0#



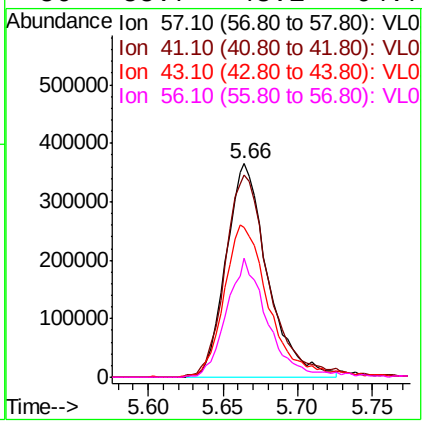


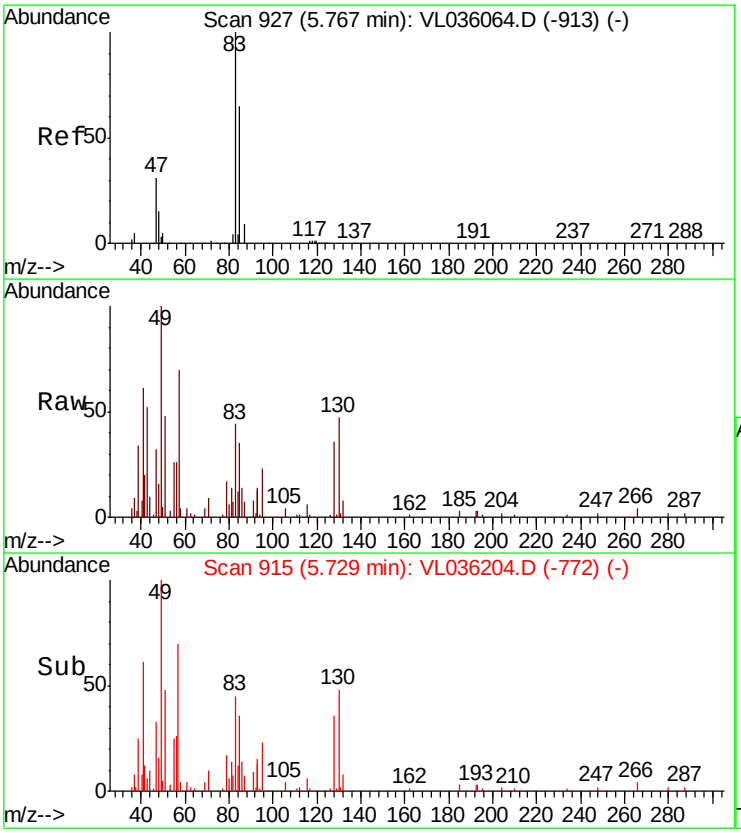
#26
Hexane
Concen: 5.038 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.04 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument : MSVOA_L
ClientSampleId : IIA1

Tgt Ion: 57 Resp: 706728

Ion	Ratio	Lower	Upper
57	100		
41	102.8	82.9	124.3
43	78.4	199.9	299.9#
56	55.7	43.1	64.7

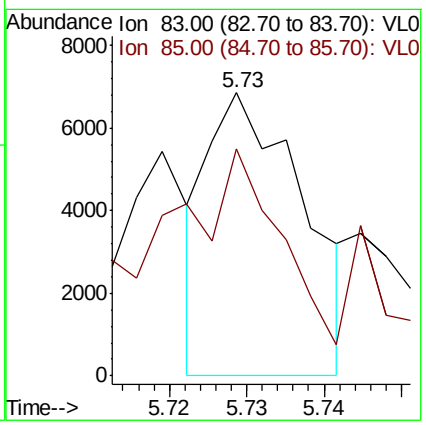


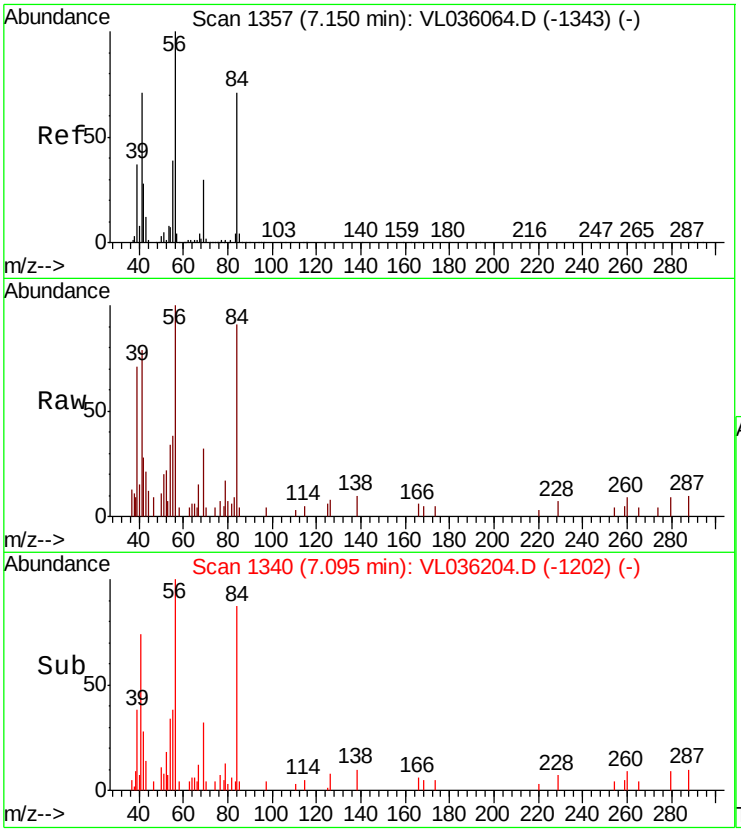


#29
Chloroform
Concen: 0.032 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.04 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 83 Resp: 5889

Ion	Ratio	Lower	Upper
83	100		
85	137.6	51.8	77.6#



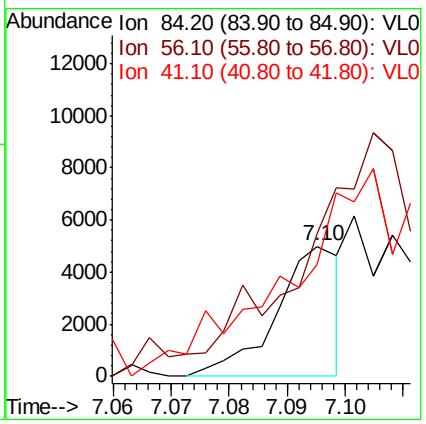


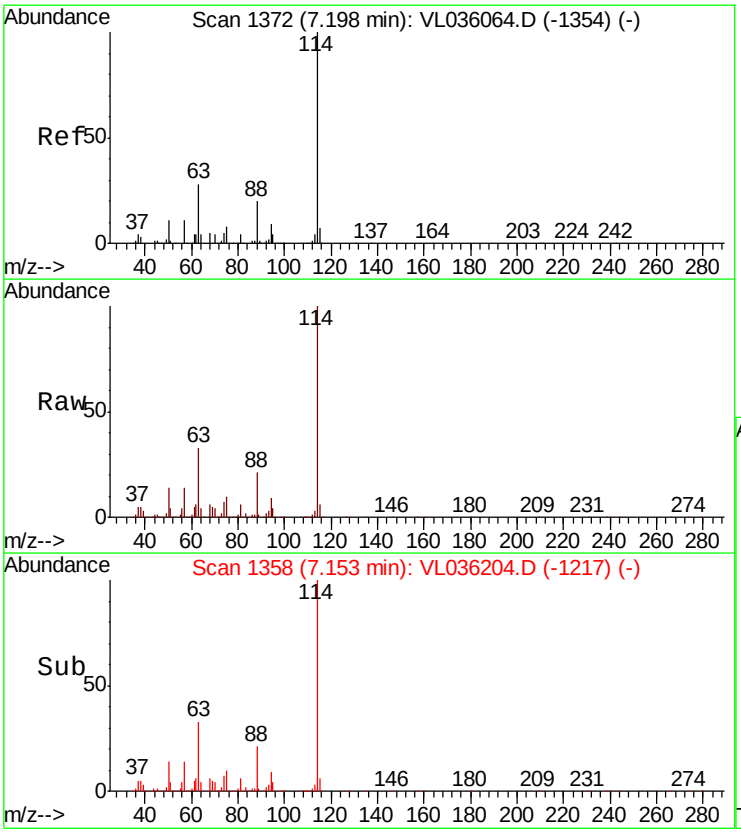
#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument : MSVOA_L
ClientSampleId : IIA1

Tgt Ion: 84 Resp: 3828

Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	0.0	81.3	121.9#

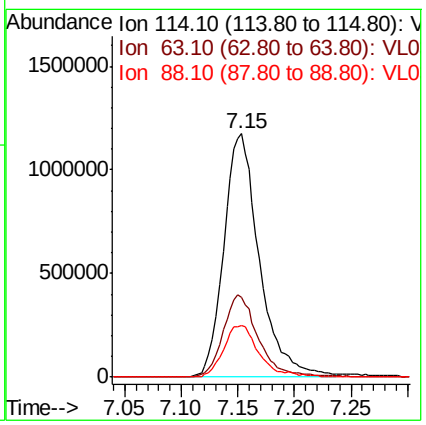


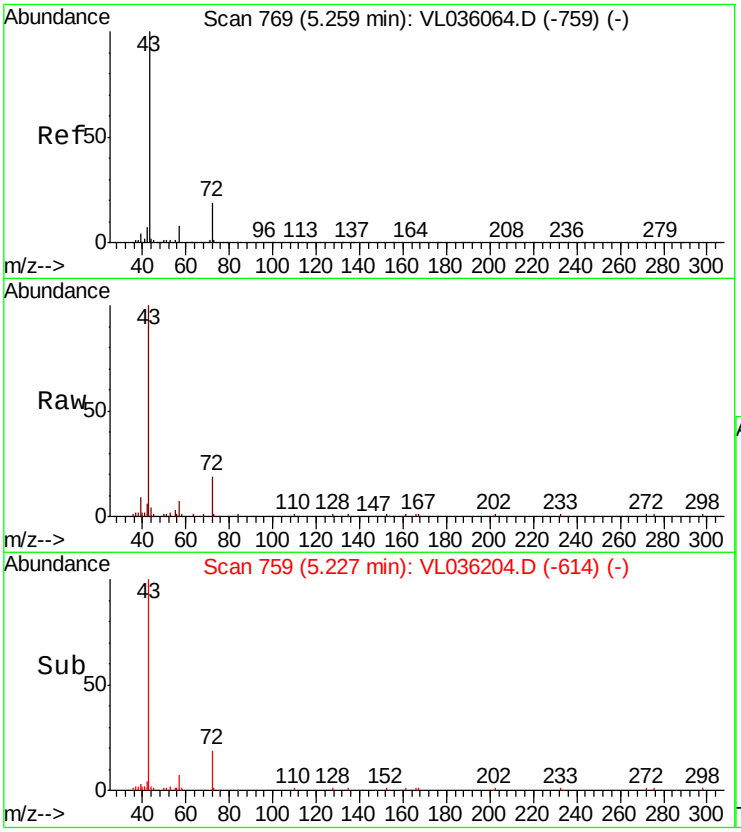


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion:114 Resp: 2560199

Ion	Ratio	Lower	Upper
114	100		
63	33.8	23.6	35.4
88	21.7	15.8	23.6



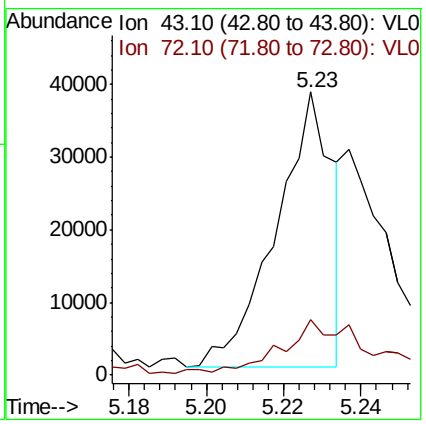


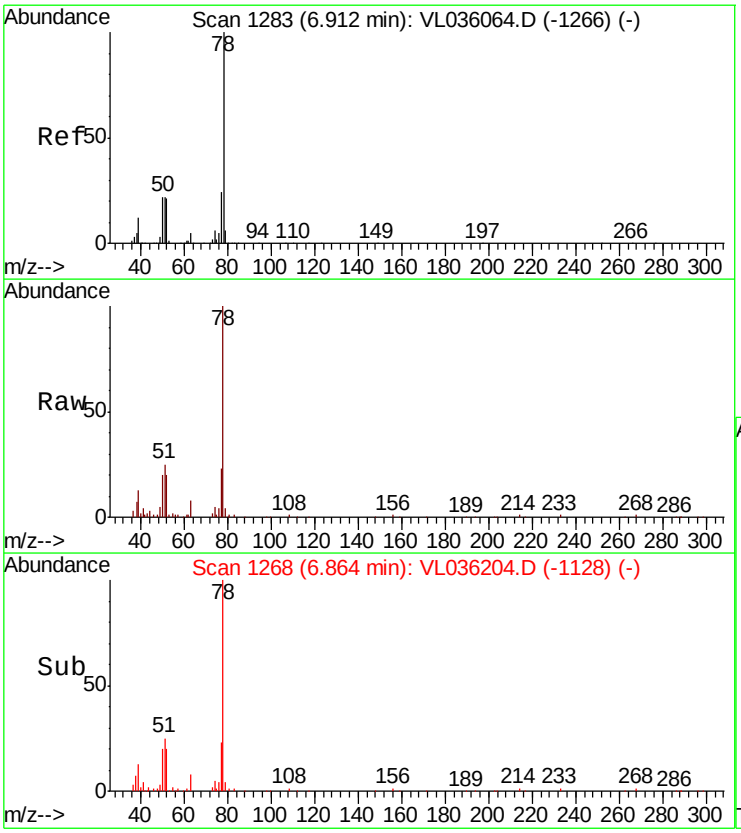
#34
2-Butanone
Concen: 0.225 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.03 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument :
MSVOA_L
ClientSampleId :
IIA1

Tgt Ion: 43 Resp: 38234

Ion	Ratio	Lower	Upper
43	100		
72	36.3	16.5	24.7#

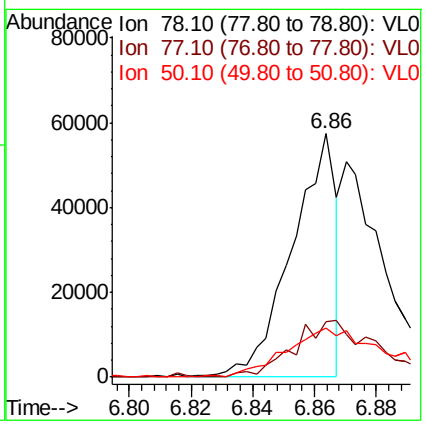


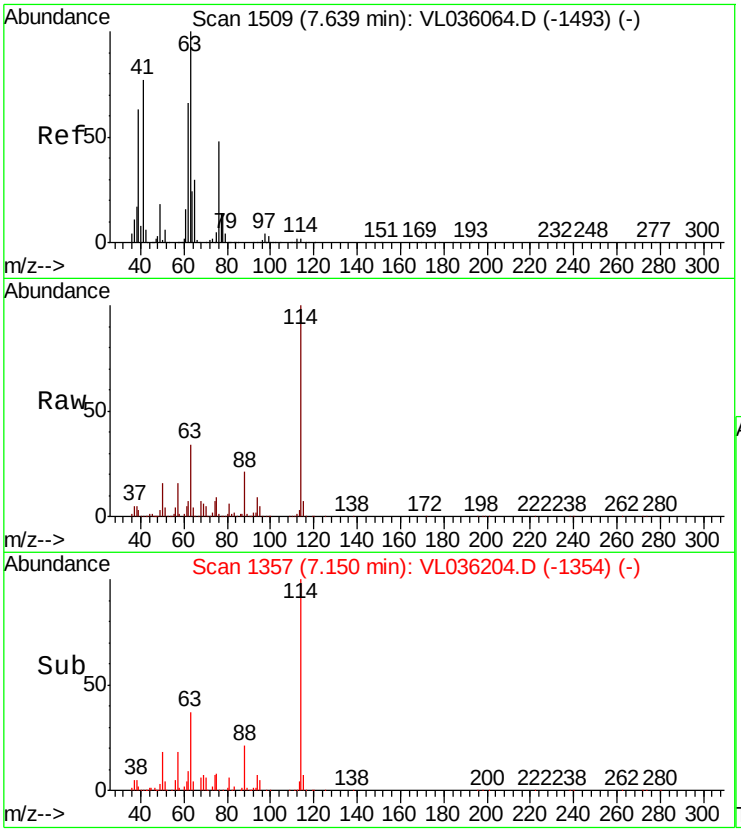


#36
Benzene
Concen: 0.263 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 78 Resp: 56998

Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.4	29.2
50	20.3	17.8	26.8



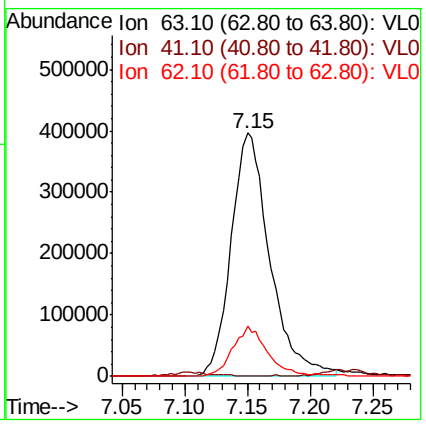


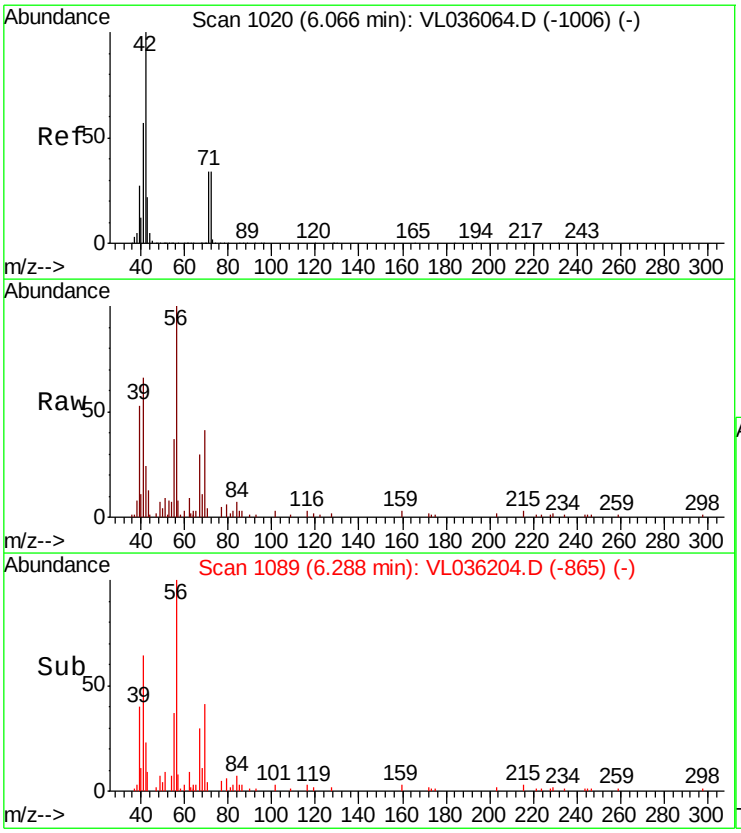
#39
1,2-Dichloropropane
Concen: 9.911 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.49 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument : MSVOA_L
ClientSampleId : IIA1

Tgt Ion: 63 Resp: 849257

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.9	92.9#
62	20.5	52.5	78.7#

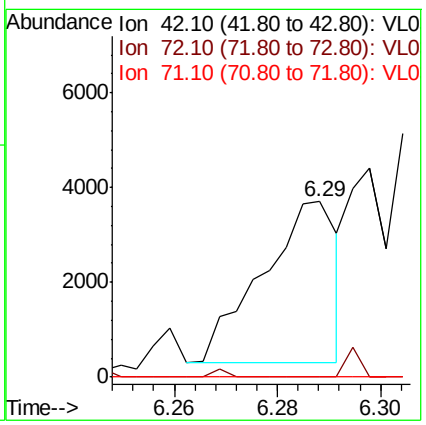


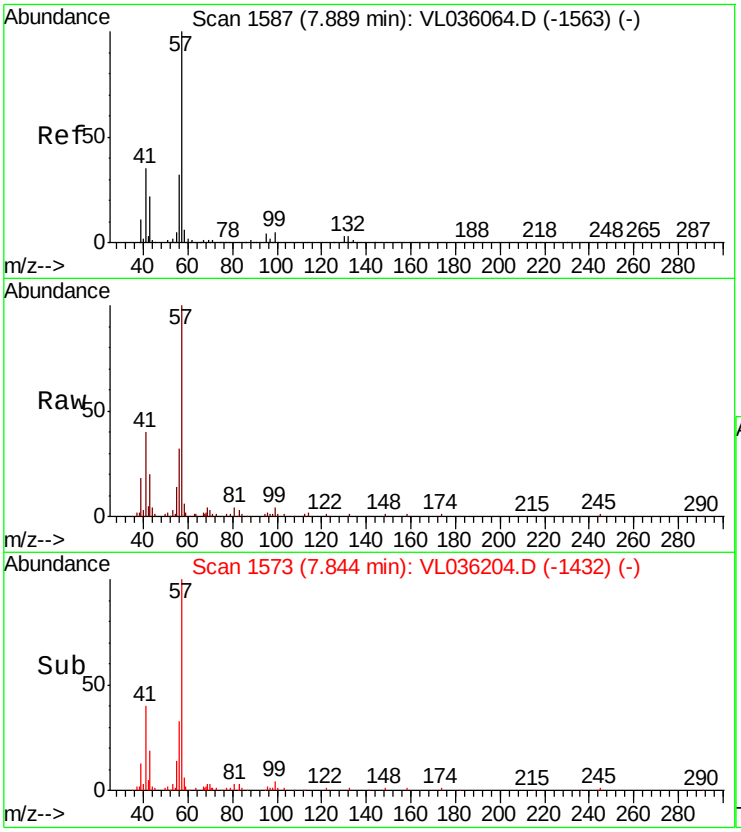


#41
Tetrahydrofuran
Concen: 0.034 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. 0.22 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 42 Resp: 3391

Ion	Ratio	Lower	Upper
42	100		
72	3.5	28.3	42.5#
71	0.0	27.3	40.9#



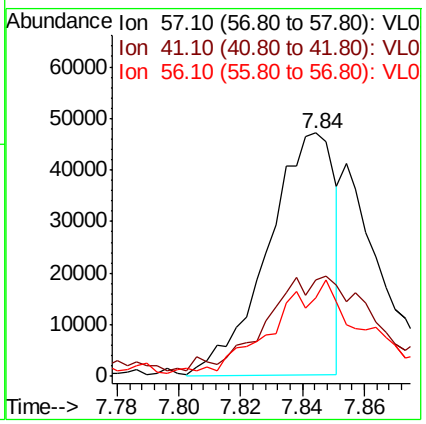


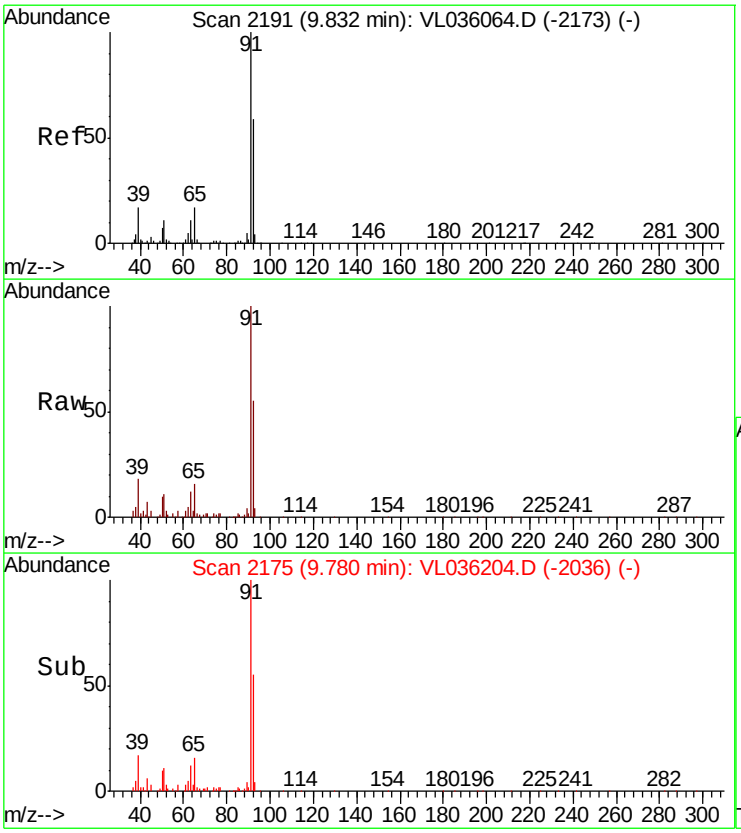
#44
2,2,4-Trimethylpentane
Concen: 0.179 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument : MSVOA_L
ClientSampleId : IIA1

Tgt Ion: 57 Resp: 70236

Ion	Ratio	Lower	Upper
57	100		
41	76.9	28.9	43.3#
56	59.5	25.3	37.9#

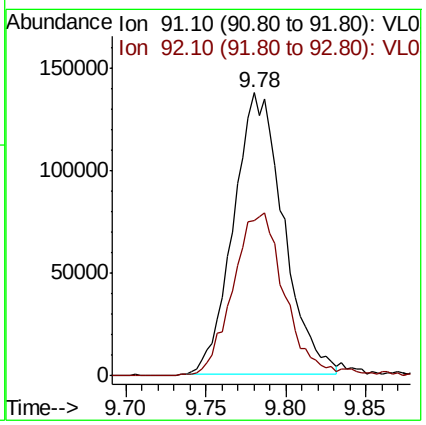


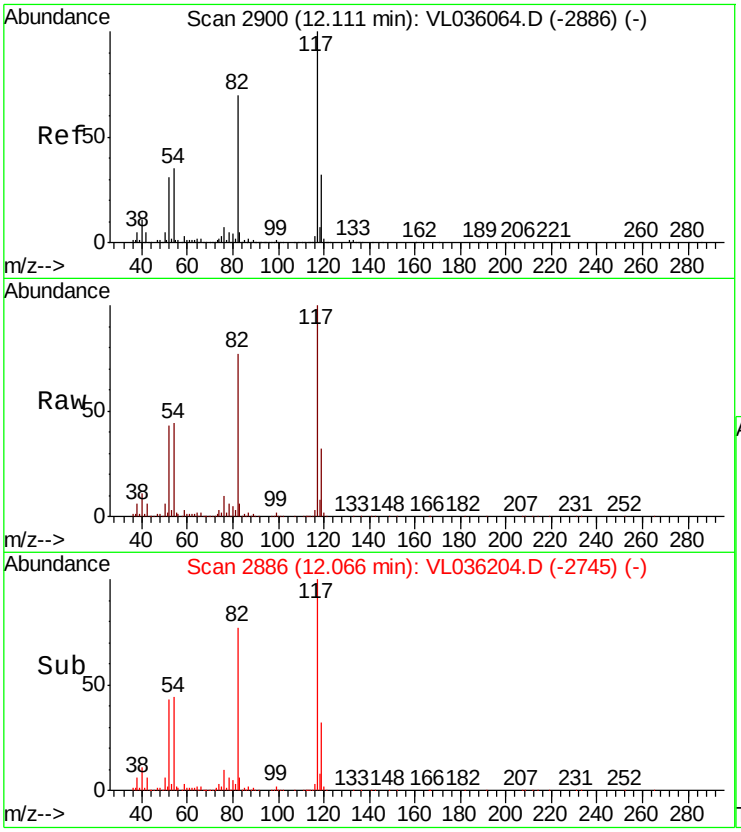


#53
Toluene
Concen: 1.208 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 91 Resp: 294243

Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.2	72.2



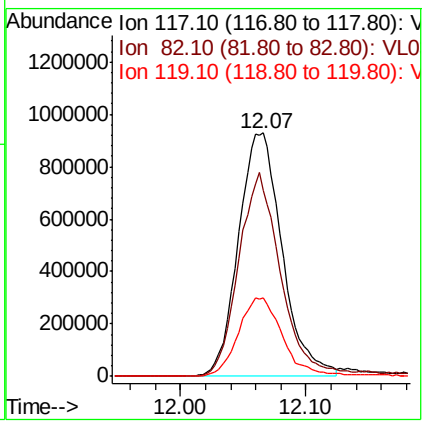


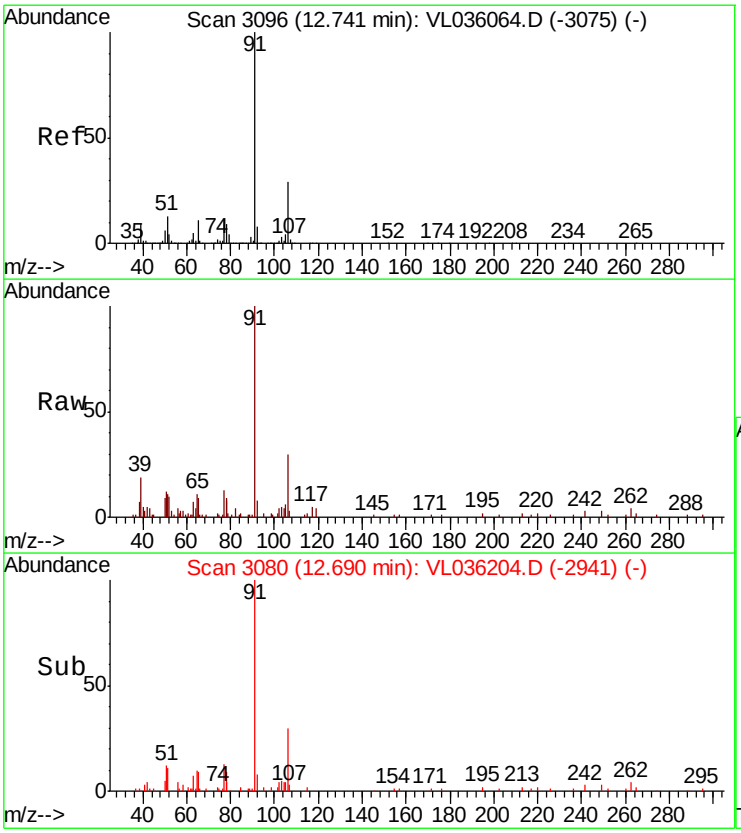
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument : MSVOA_L
ClientSampleId : IIA1

Tgt Ion:117 Resp: 2254282

Ion	Ratio	Lower	Upper
117	100		
82	83.3	0.0	0.0#
119	33.0	0.0	0.0#

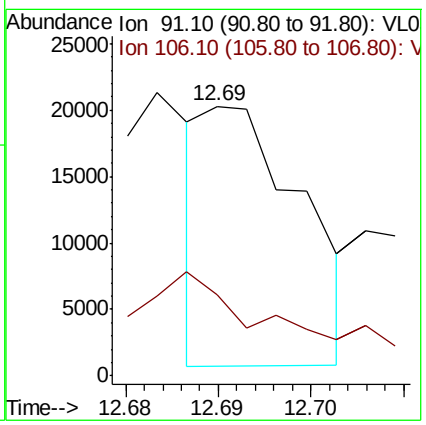


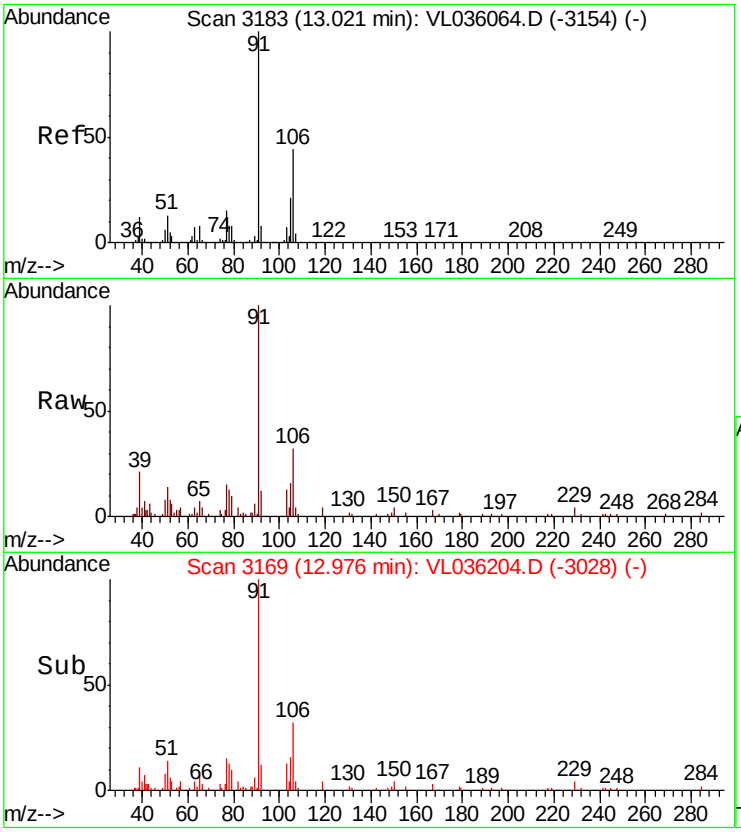


#58
Ethyl Benzene
Concen: 0.046 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 91 Resp: 14243

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.0	34.4



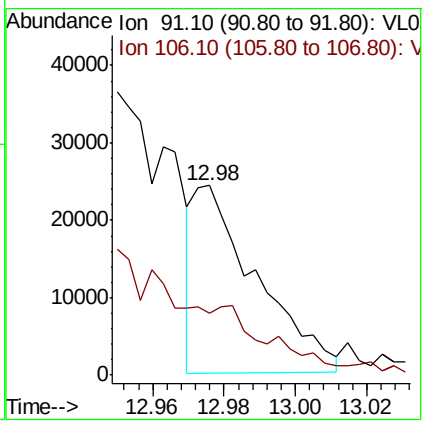


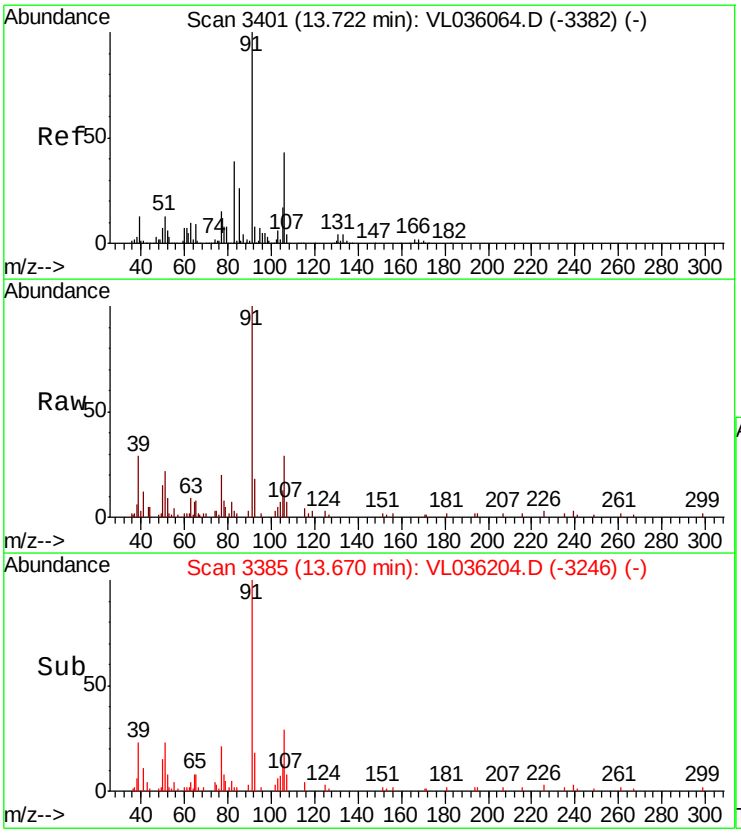
#59
m/p-Xylene
Concen: 0.113 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument : MSVOA_L
ClientSampleId : IIA1

Tgt Ion: 91 Resp: 29463

Ion	Ratio	Lower	Upper
91	100		
106	0.0	33.6	50.4#

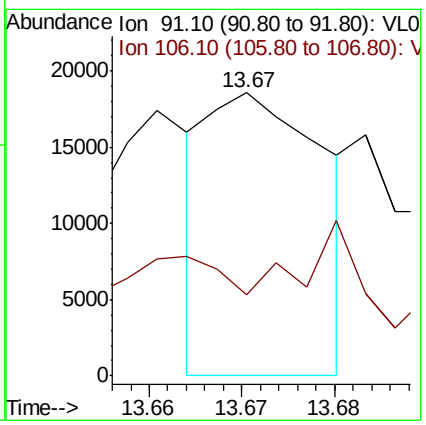


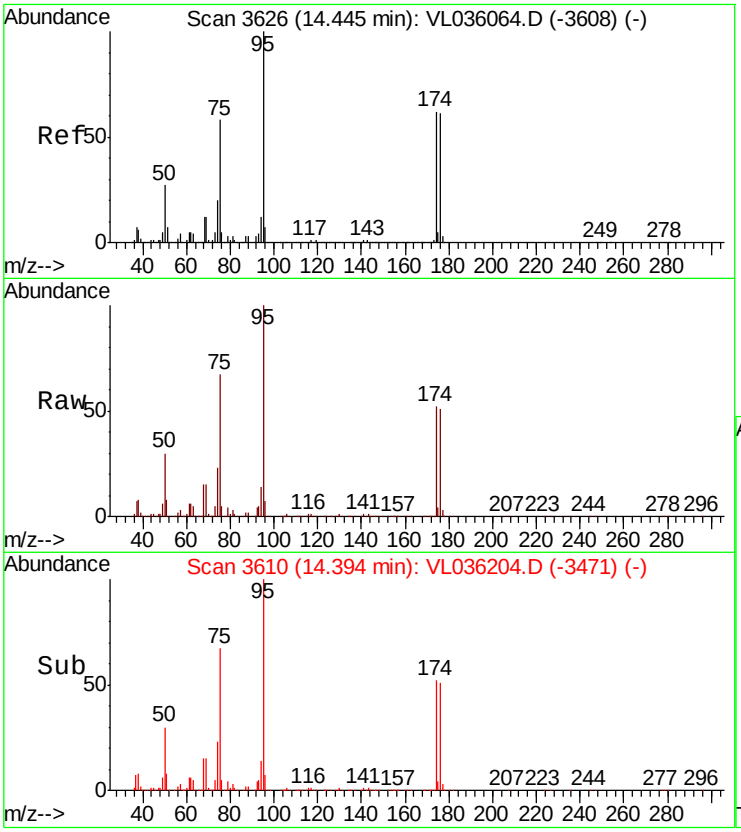


#60
o-Xylene
Concen: 0.065 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 91 Resp: 16043

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.6	64.6#



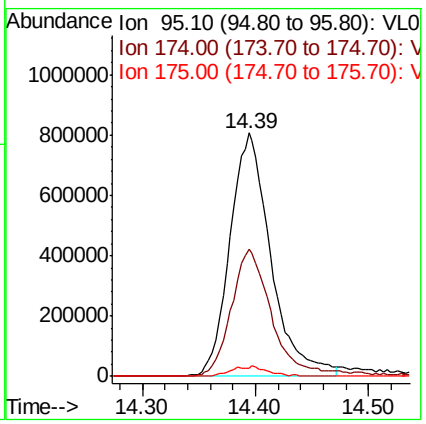


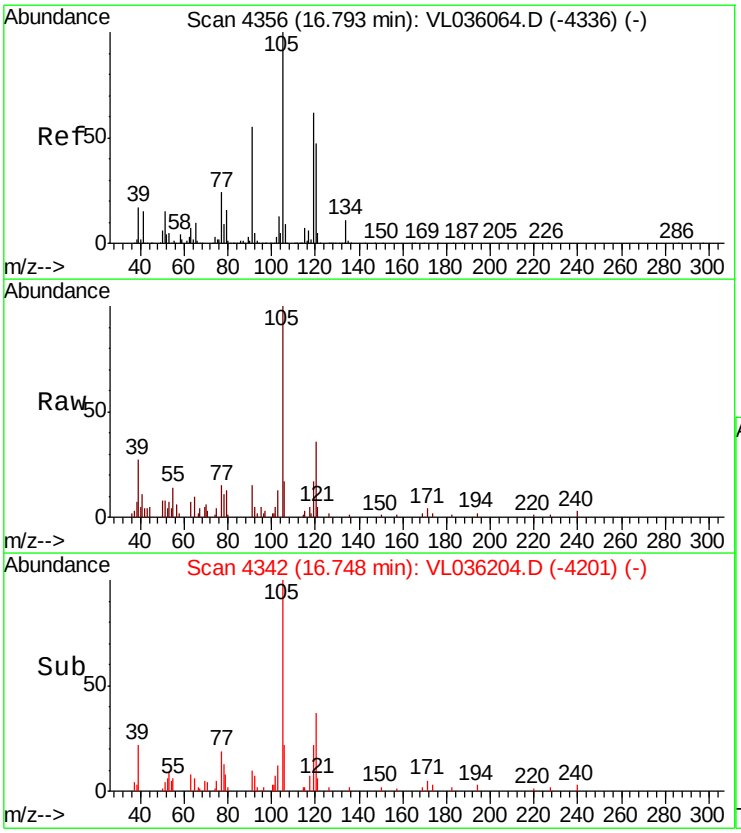
#68
1-Bromo-4-Fluorobenzene
Concen: 11.307 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument :
MSVOA_L
ClientSampleId :
IIA1

Tgt Ion: 95 Resp: 2023886

Ion	Ratio	Lower	Upper
95	100		
174	52.7	50.7	76.1
175	3.9	4.0	6.0#





#74
1,2,4-Trimethylbenzene
Concen: 0.116 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion:105 Resp: 29524

Ion	Ratio	Lower	Upper
105	100		
120	36.7	37.4	56.0#
91	14.7	45.6	68.4#
77	13.0	19.4	29.2#