Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122320\
Data File : VL036202.D
Acq On : 23 Dec 2020 21:32
Operator : SY/AP
Sample : L5196-03DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Quant Time: Dec 24 05:26:53 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	1351204	10.00	ppbv		-0.04
33) 1,4-Difluorobenzene	7.15	114	2622095	10.00	ppbv		-0.05
55) Chlorobenzene-d5	12.06	117	2310945	10.00	ppbv		-0.05
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2075655	11.31	ppbv		-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 113.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	49519	0.314	ppbv		96
3) Chlorodifluoromethane	2.97	51	188923	1.225	ppbv		98
4) Chloromethane	3.12	50	40748	0.538	ppbv		91
9) Propene	3.18	41	126249	1.635	ppbv		97
10) Heptane	8.09	43	10685	0.054	ppbv	#	29
11) Trichlorofluoromethane	3.93	101	65753	0.355	ppbv		95
13) Ethanol	3.58	45	1521803	142.941	ppbv		85
15) Acetone	3.83	43	1060576	6.531	ppbv	#	86
19) Isopropyl Alcohol	3.95	45	923498	9.304	ppbv	#	100
20) Methylene Chloride	4.32	84	143154	2.151	ppbv		93
25) Ethyl Acetate	5.66	43	352326	1.086	ppbv	#	82
26) Hexane	5.66	57	432518	2.962	ppbv	#	41
30) Cyclohexane	7.10	84	3509	0.033	ppbv	#	1
34) 2-Butanone	5.22	43	60195	0.346	ppbv		95
35) Carbon Tetrachloride	7.00	117	6172	0.040	ppbv	#	91
36) Benzene	6.86	78	75488	0.340	ppbv		93
39) 1,2-Dichloropropane	7.15	63	855380	9.747	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.84	57	111593	0.277	ppbv	#	77
53) Toluene	9.78	91	315410	1.264	ppbv		100
58) Ethyl Benzene	12.69	91	28749	0.091	ppbv		97
59) m/p-Xylene	12.97	91	31665	0.119	ppbv	#	34
60) o-Xylene	13.66	91	58614	0.233	ppbv		95
74) 1,2,4-Trimethylbenzene	16.74	105	21593	0.083	ppbv	#	58
79) Naphthalene	22.18	128	9763	0.074	ppbv	#	80

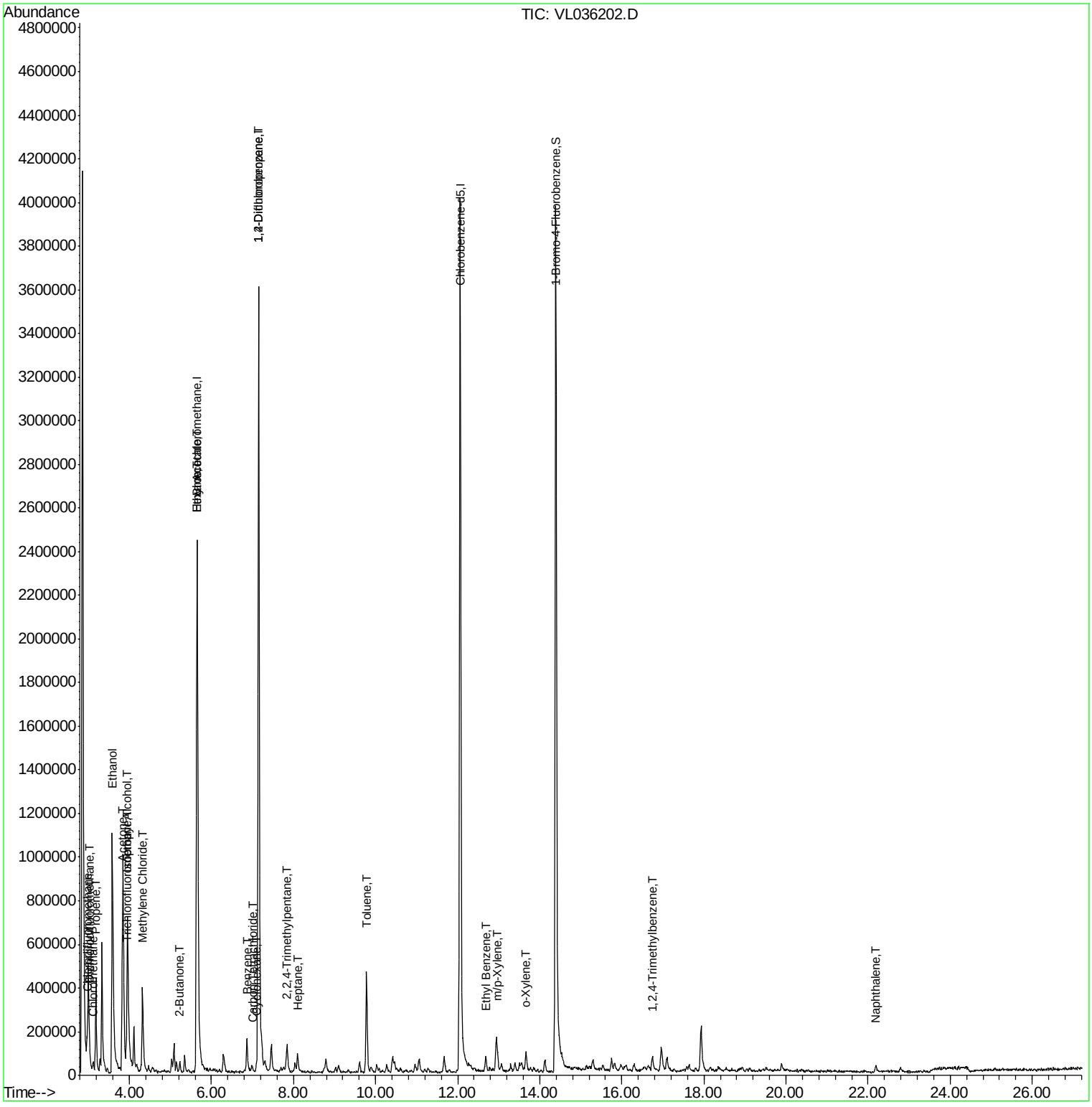
(#) = qualifier out of range (m) = manual integration (+) = signals summed

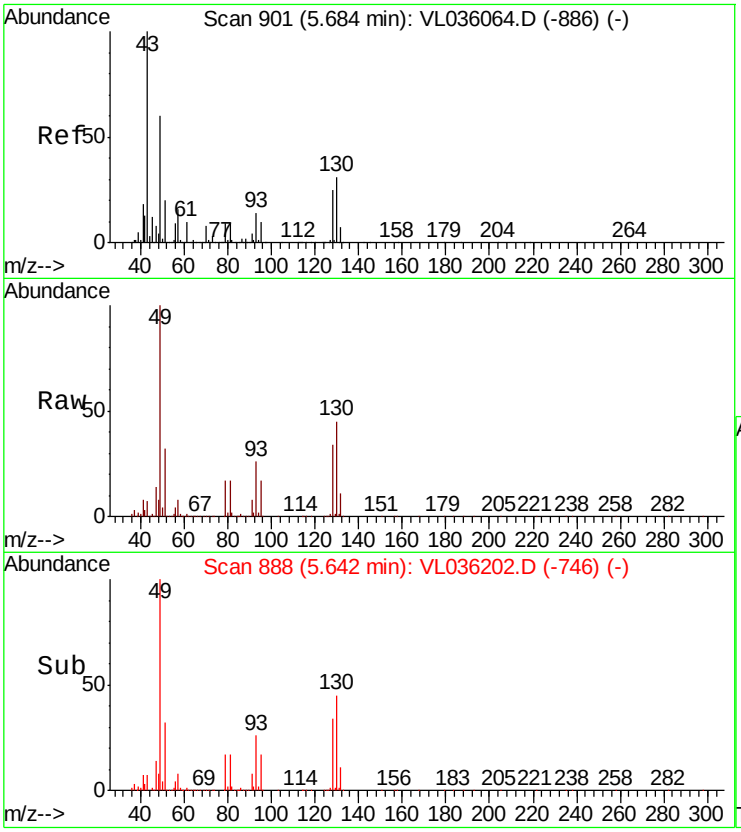
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122320\
Data File : VL036202.D
Acq On : 23 Dec 2020 21:32
Operator : SY/AP
Sample : L5196-03DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Quant Time: Dec 24 05:26:53 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



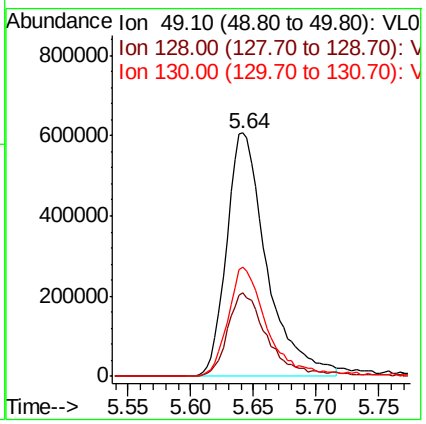


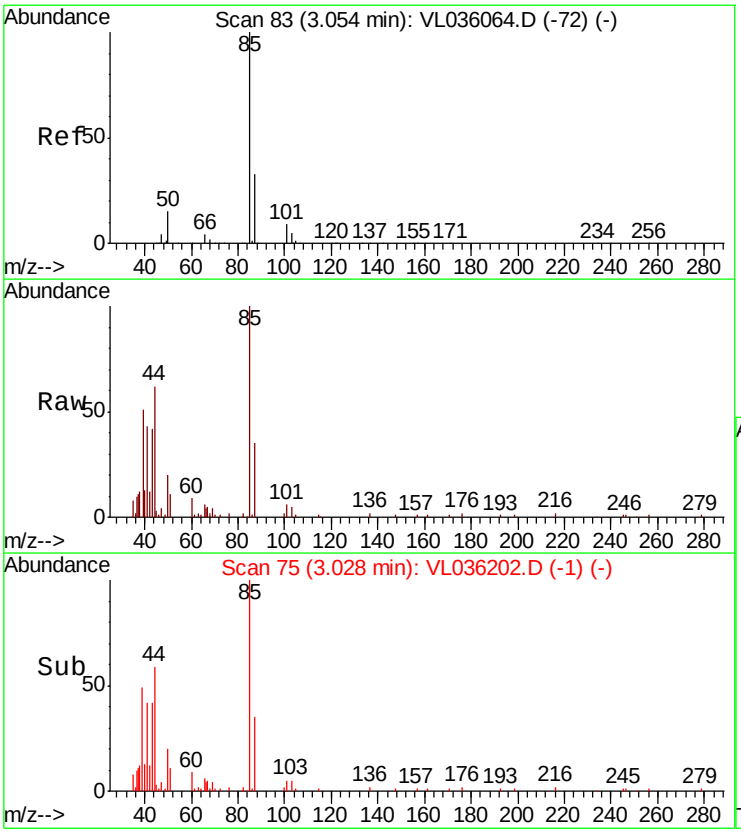
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.04 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument :
MSVOA_L
ClientSampleId :
IIA2DUP

Tgt Ion: 49 Resp: 1351204

Ion	Ratio	Lower	Upper
49	100		
128	35.6	21.1	63.1
130	45.2	27.1	81.3

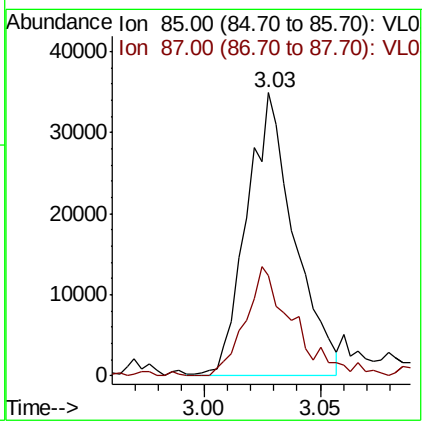


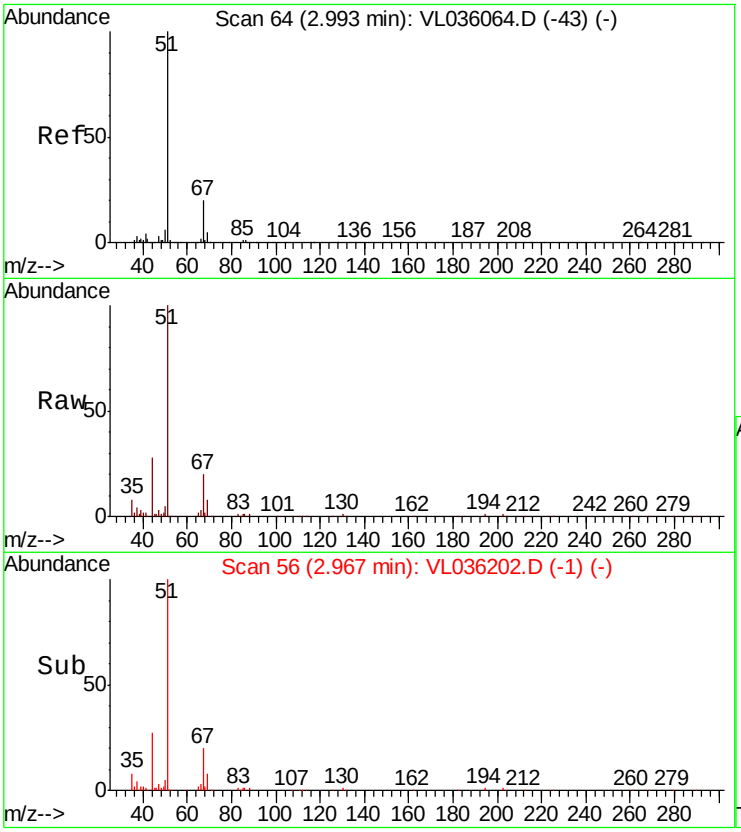


#2
Dichlorodifluoromethane
Concen: 0.314 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.03 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 85 Resp: 49519

Ion	Ratio	Lower	Upper
85	100		
87	35.6	26.5	39.7



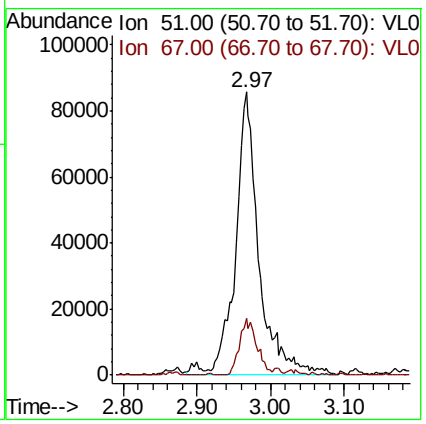


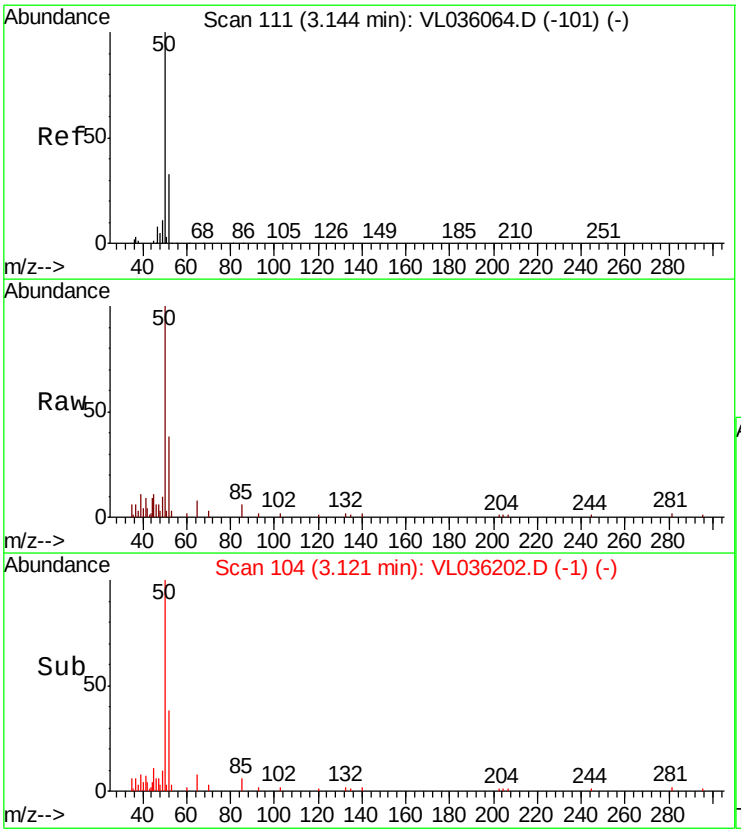
#3
Chlorodifluoromethane
Concen: 1.225 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.03 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion: 51 Resp: 188923

Ion	Ratio	Lower	Upper
51	100		
67	16.8	14.3	21.5

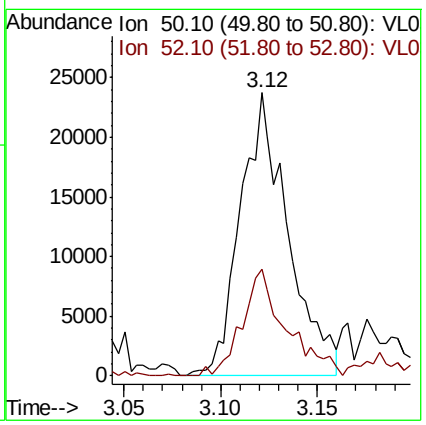


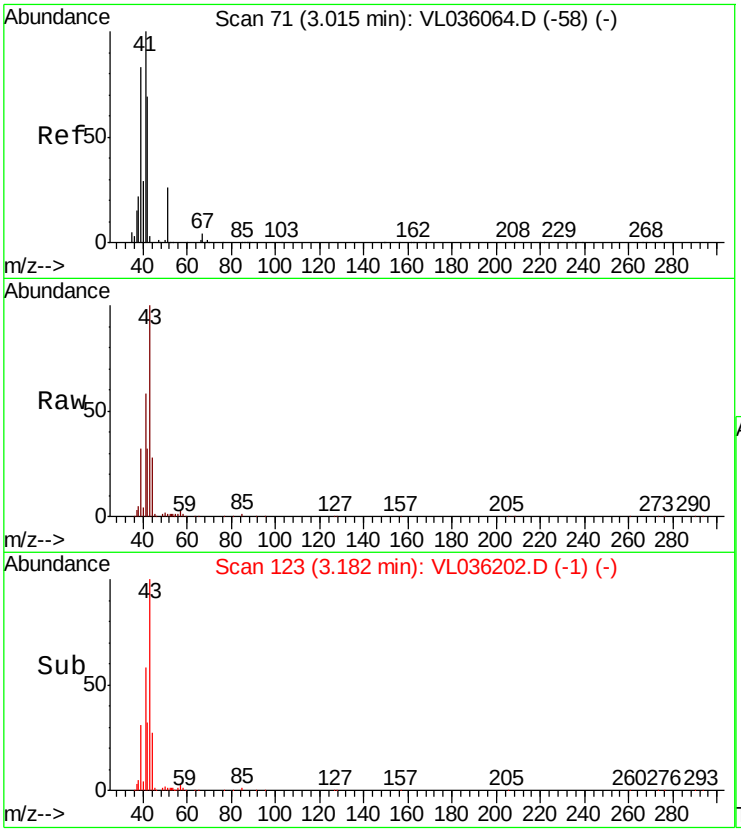


#4
Chloromethane
Concen: 0.538 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 50 Resp: 40748

Ion	Ratio	Lower	Upper
50	100		
52	37.6	26.1	39.1



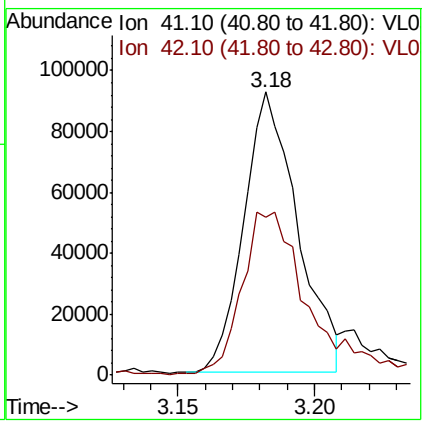


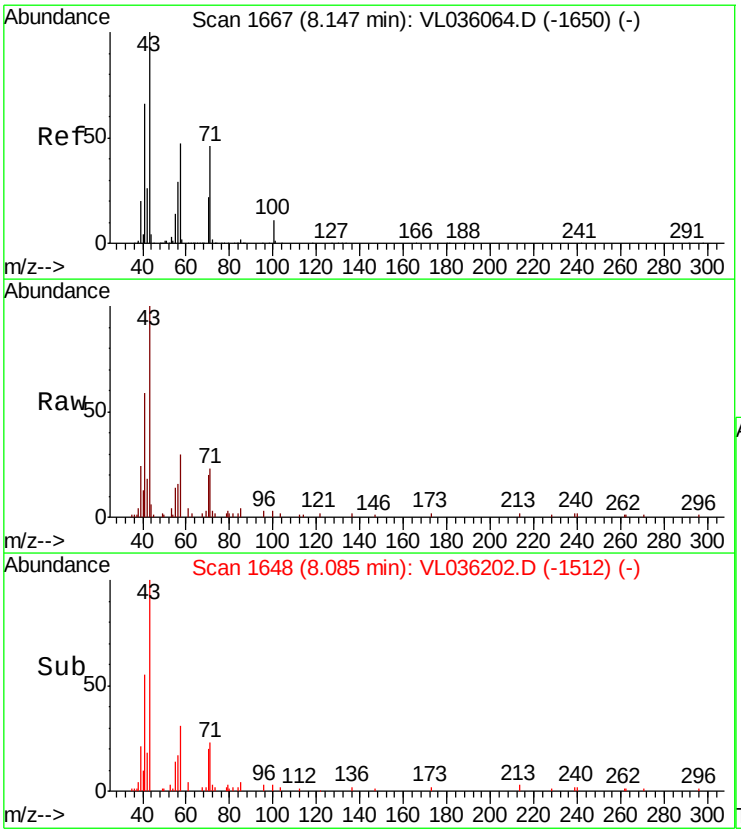
#9
Propene
Concen: 1.635 ppbv
RT: 3.18 min Scan# 123
Delta R.T. 0.17 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion: 41 Resp: 126249

Ion	Ratio	Lower	Upper
41	100		
42	73.6	57.0	85.6

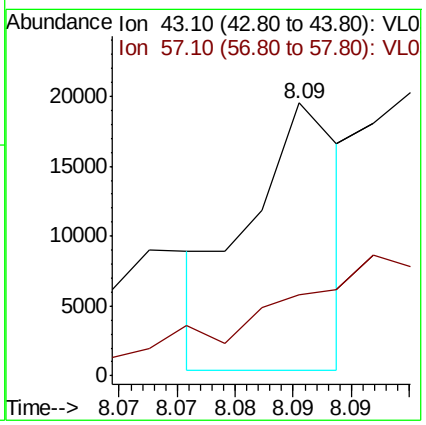


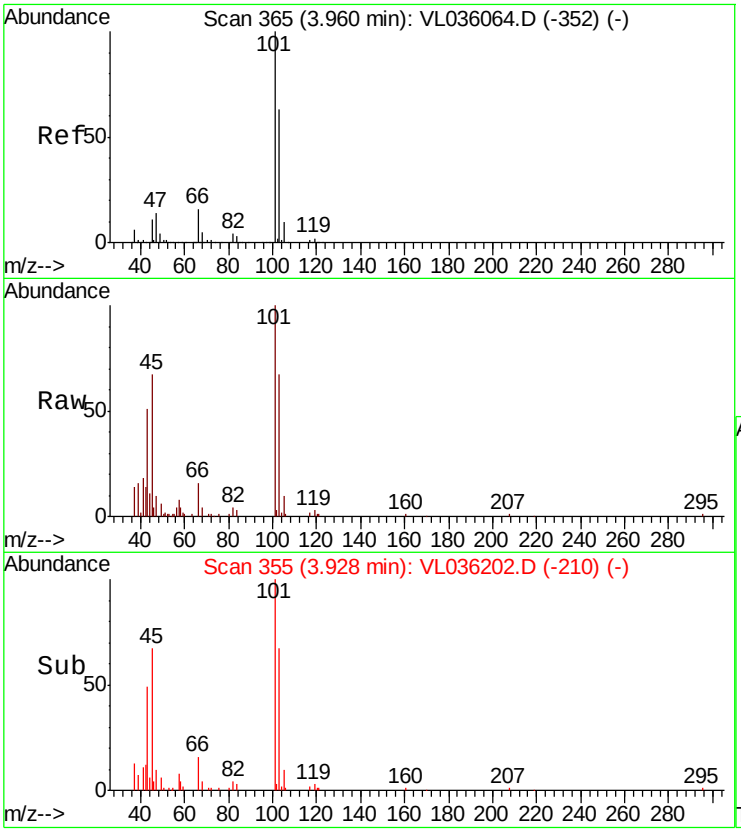


#10
Heptane
Concen: 0.054 ppbv
RT: 8.09 min Scan# 1648
Delta R.T. -0.06 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 43 Resp: 10685

Ion	Ratio	Lower	Upper
43	100		
57	0.0	37.9	56.9#

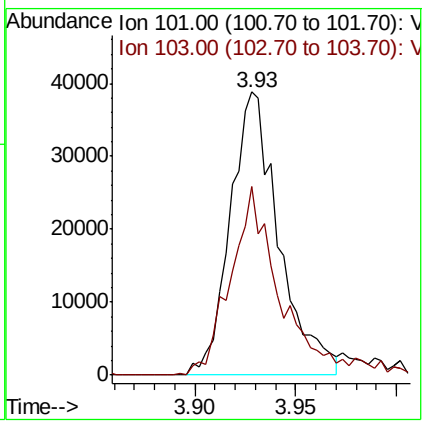




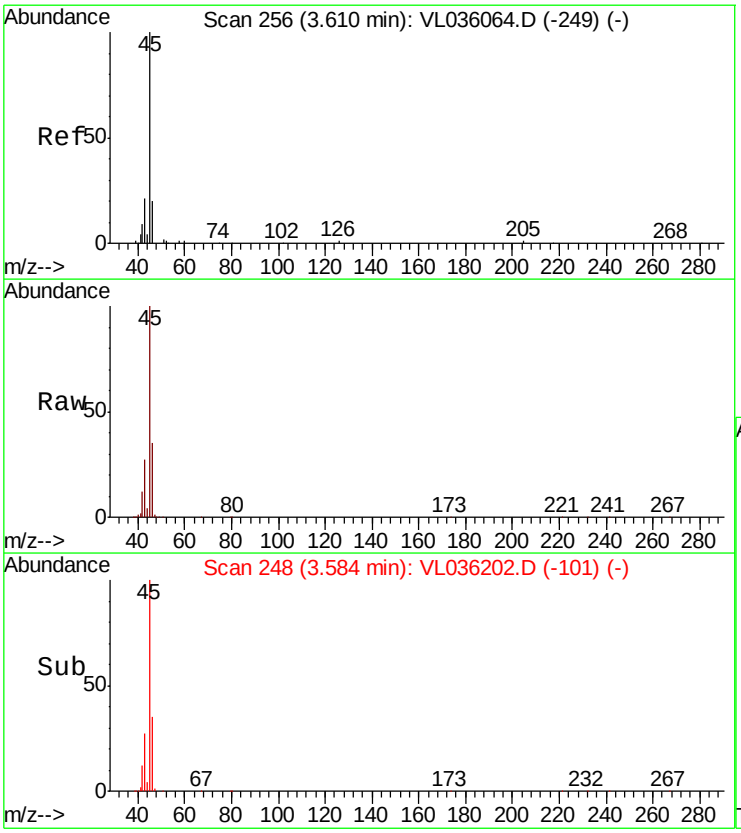
#11
Trichlorofluoromethane
Concen: 0.355 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.03 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion:101 Resp: 65753

Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.3	75.5



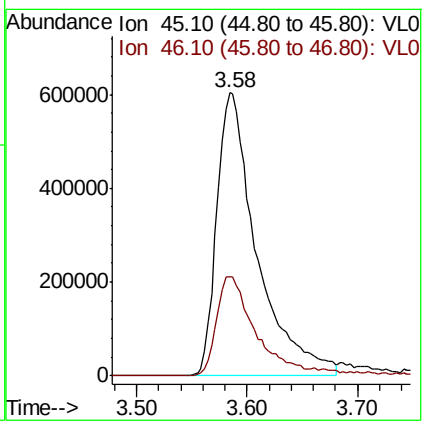
Instrument :
MSVOA_L
ClientSampleId :
IIA2DUP

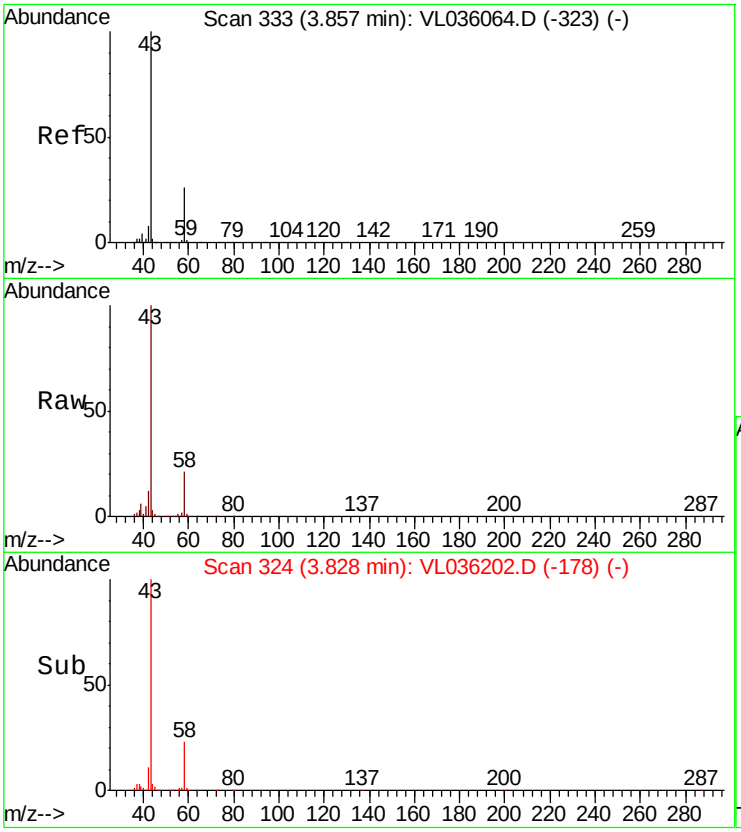


#13
Ethanol
Concen: 142.941 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.03 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 45 Resp: 1521803

Ion	Ratio	Lower	Upper
45	100		
46	37.0	19.0	75.8



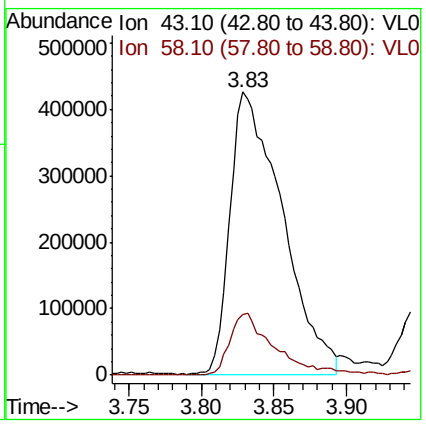


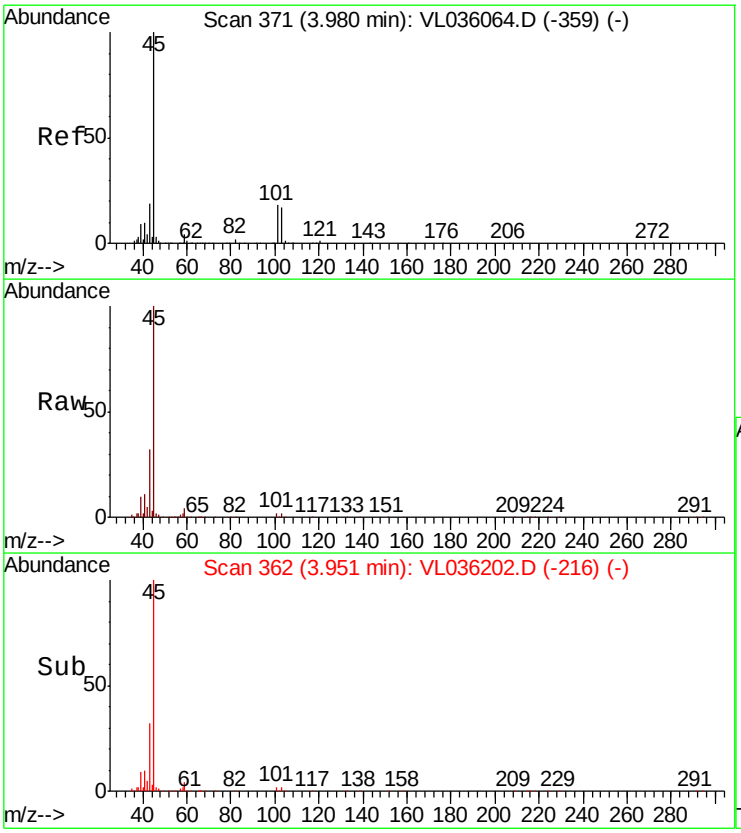
#15
Acetone
Concen: 6.531 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.03 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion: 43 Resp: 1060576

Ion	Ratio	Lower	Upper
43	100		
58	19.0	20.9	31.3#

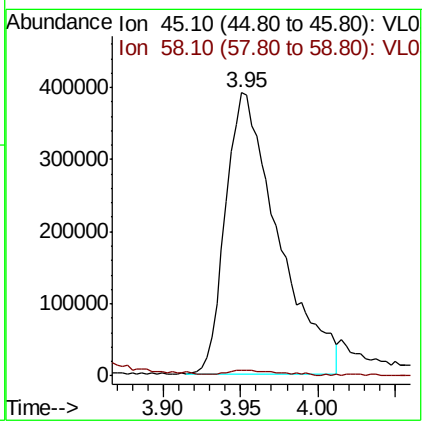


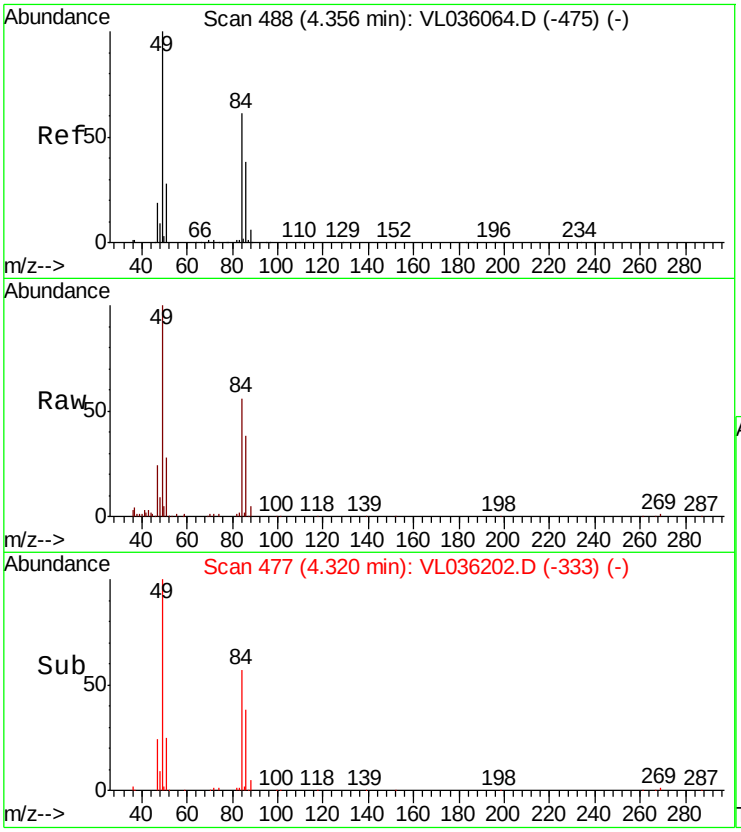


#19
Isopropyl Alcohol
Concen: 9.304 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.03 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 45 Resp: 923498

Ion	Ratio	Lower	Upper
45	100		
58	3.0	0.0	0.0#



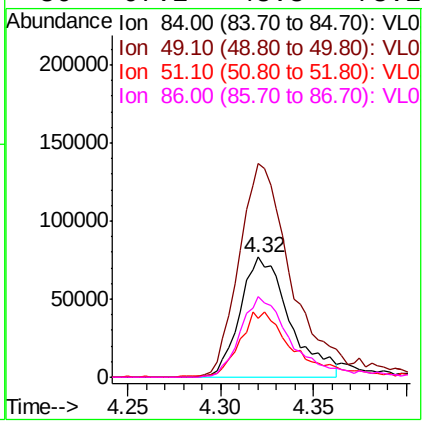


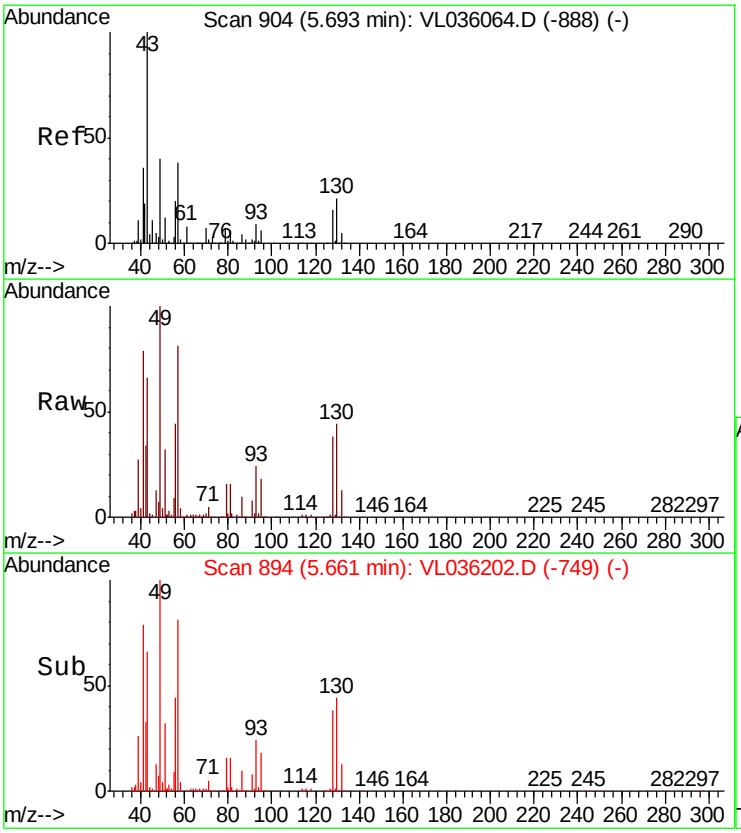
#20
Methylene Chloride
Concen: 2.151 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.04 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion: 84 Resp: 143154

Ion	Ratio	Lower	Upper
84	100		
49	177.6	133.0	199.4
51	46.6	38.9	58.3
86	67.2	48.8	73.2

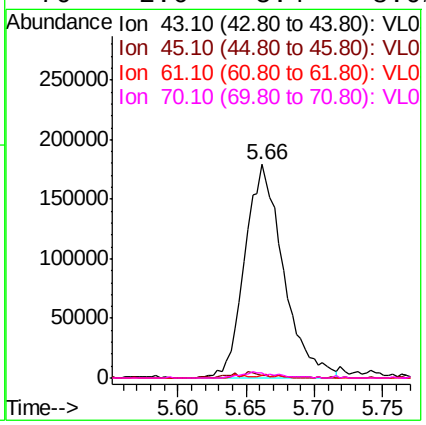


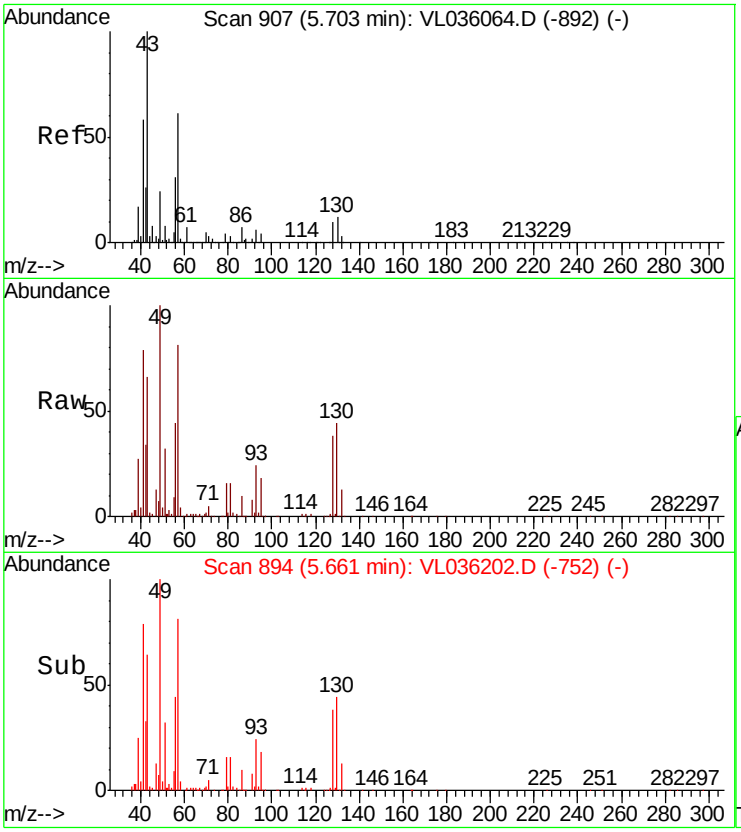


#25
Ethyl Acetate
Concen: 1.086 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 43 Resp: 352326

Ion	Ratio	Lower	Upper
43	100		
45	2.7	8.2	12.4#
61	1.6	7.4	11.2#
70	2.6	5.4	8.0#



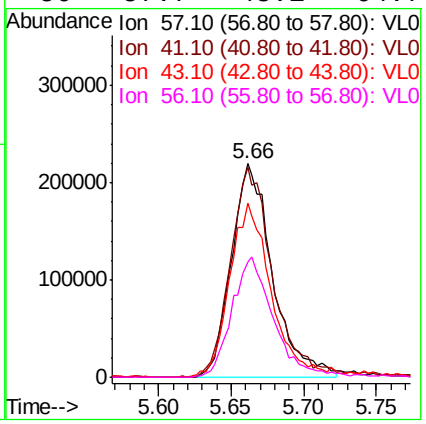


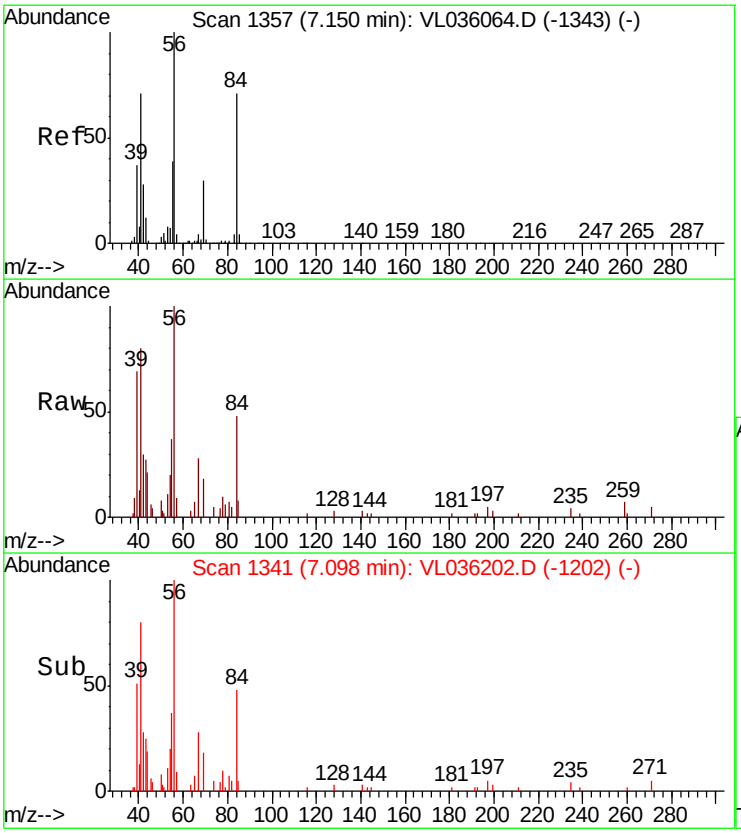
#26
Hexane
Concen: 2.962 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.04 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion: 57 Resp: 432518

Ion	Ratio	Lower	Upper
57	100		
41	103.7	82.9	124.3
43	84.6	199.9	299.9#
56	57.7	43.1	64.7

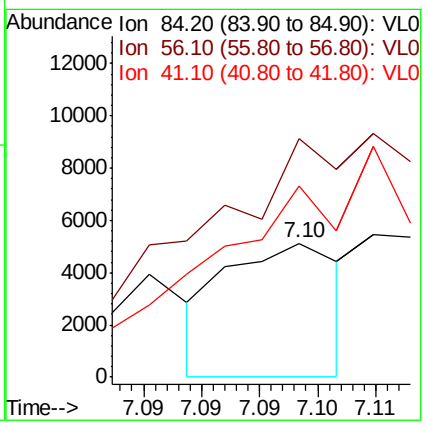


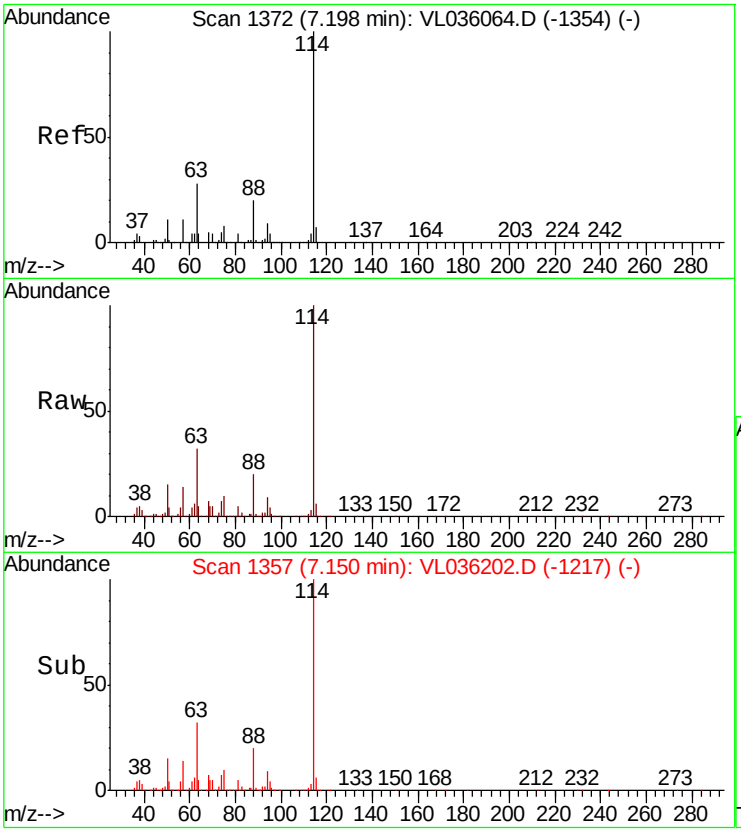


#30
Cyclohexane
Concen: 0.033 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 84 Resp: 3509

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



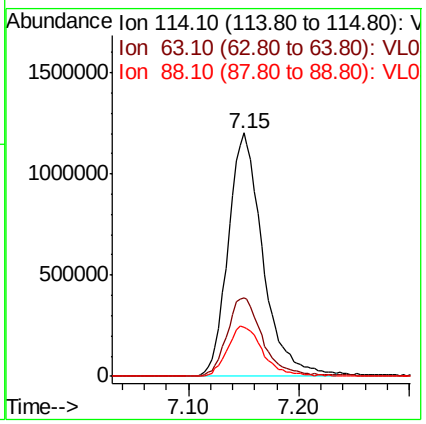


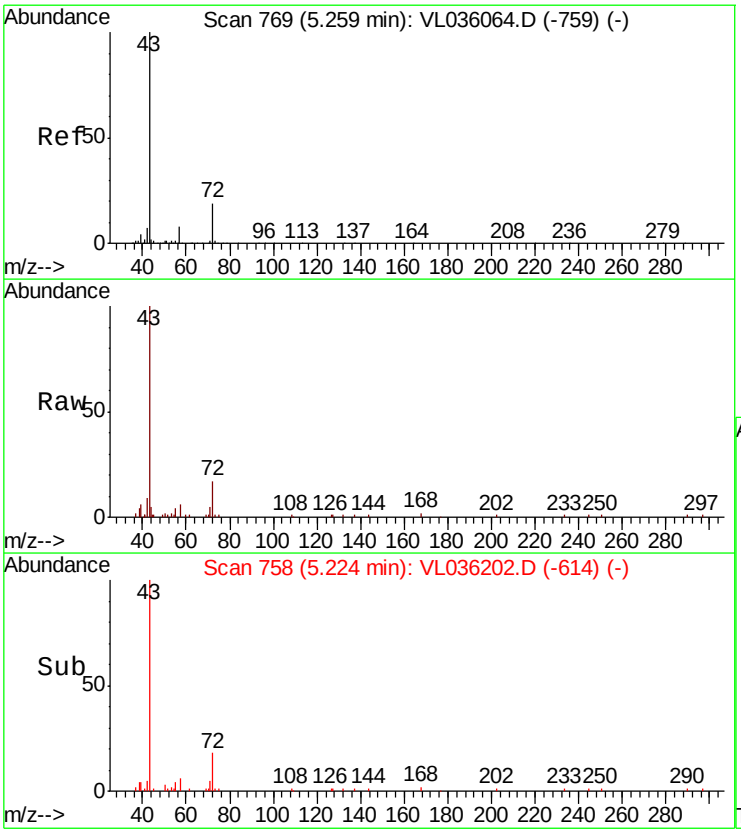
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument :
MSVOA_L
ClientSampleId :
IIA2DUP

Tgt Ion:114 Resp: 2622095

Ion	Ratio	Lower	Upper
114	100		
63	33.7	23.6	35.4
88	21.2	15.8	23.6

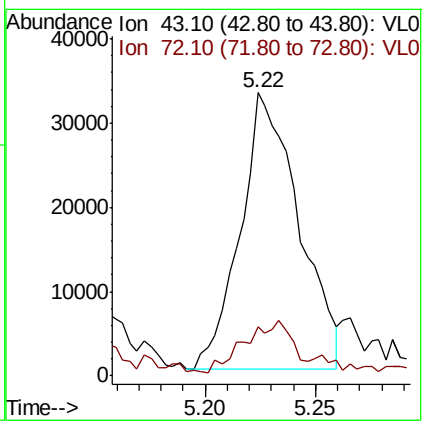


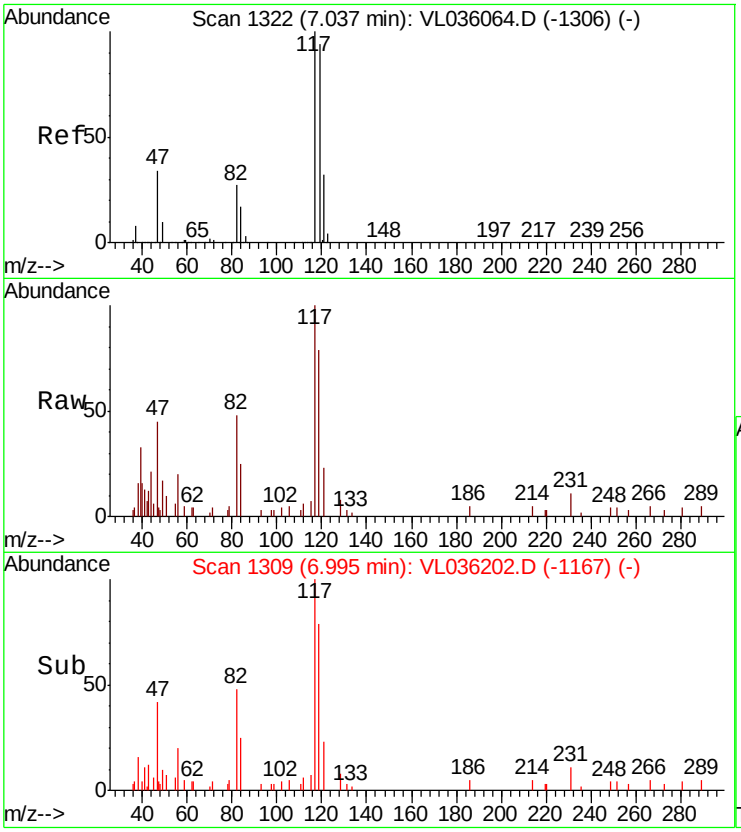


#34
2-Butanone
Concen: 0.346 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.04 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 43 Resp: 60195

Ion	Ratio	Lower	Upper
43	100		
72	23.0	16.5	24.7



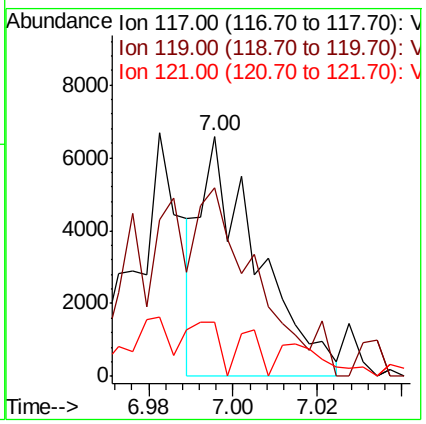


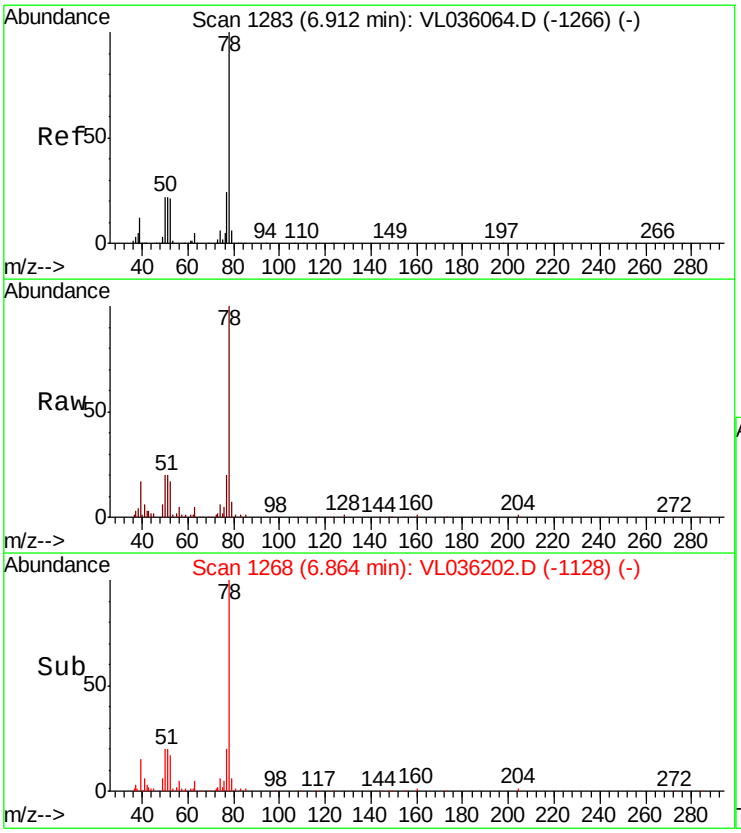
#35
Carbon Tetrachloride
Concen: 0.040 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.04 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion:117 Resp: 6172

Ion	Ratio	Lower	Upper
117	100		
119	88.3	75.1	112.7
121	21.2	25.6	38.4#

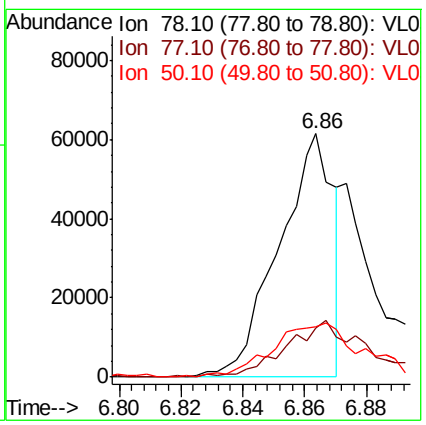


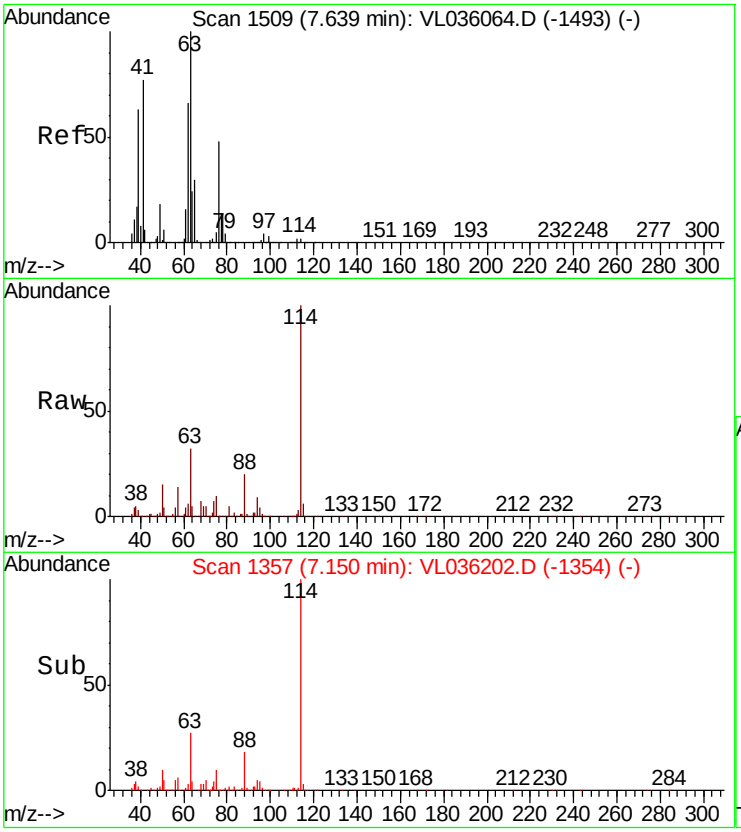


#36
Benzene
Concen: 0.340 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 78 Resp: 75488

Ion	Ratio	Lower	Upper
78	100		
77	20.0	19.4	29.2
50	19.7	17.8	26.8



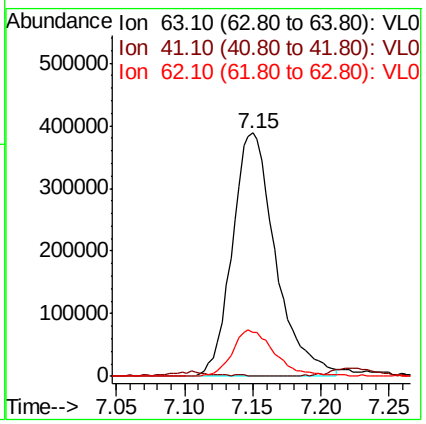


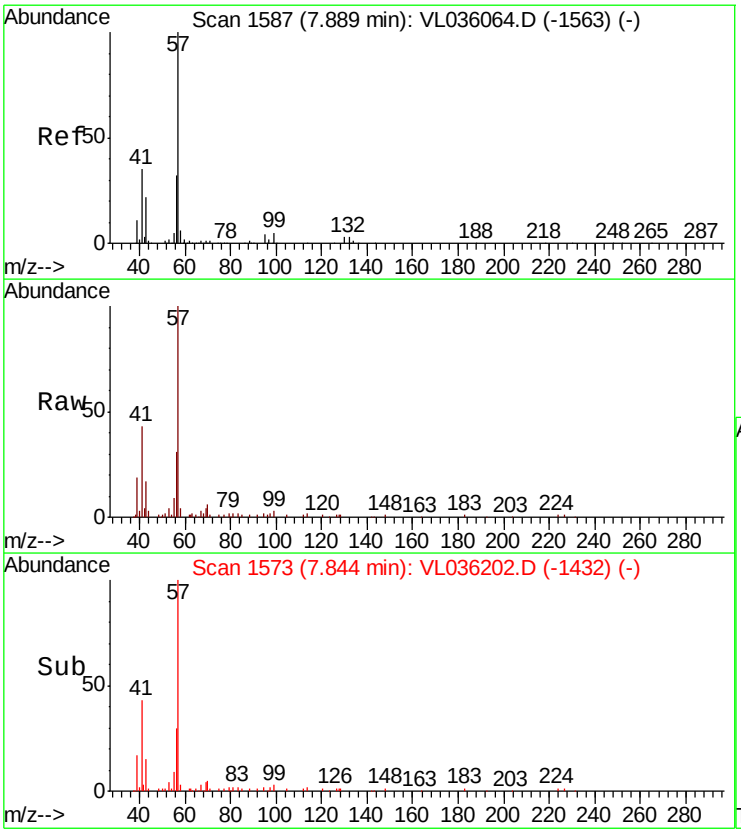
#39
1,2-Dichloropropane
Concen: 9.747 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.49 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion: 63 Resp: 855380

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.9	92.9#
62	18.0	52.5	78.7#

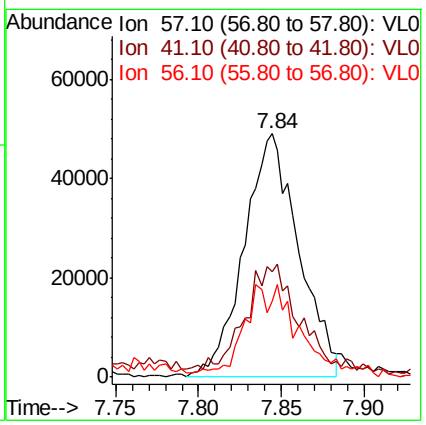


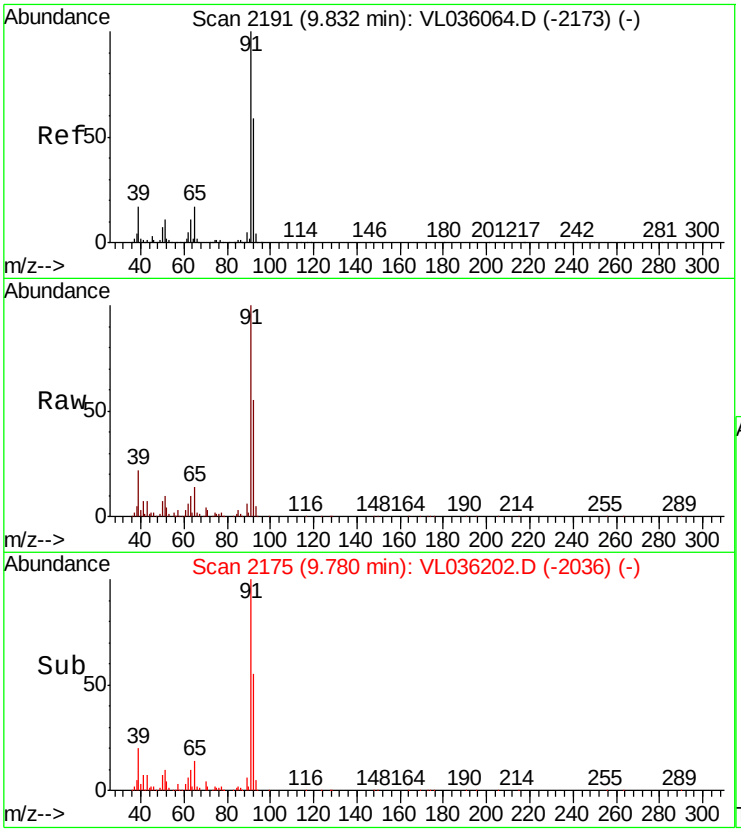


#44
2,2,4-Trimethylpentane
Concen: 0.277 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 57 Resp: 111593

Ion	Ratio	Lower	Upper
57	100		
41	53.9	28.9	43.3#
56	39.9	25.3	37.9#



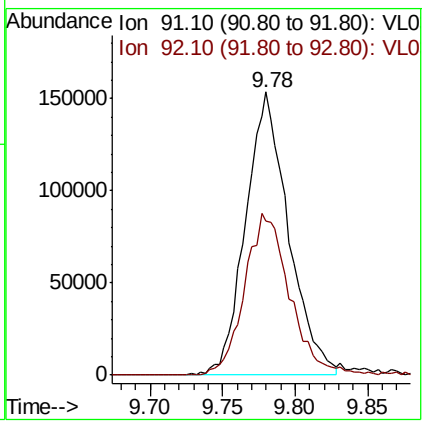


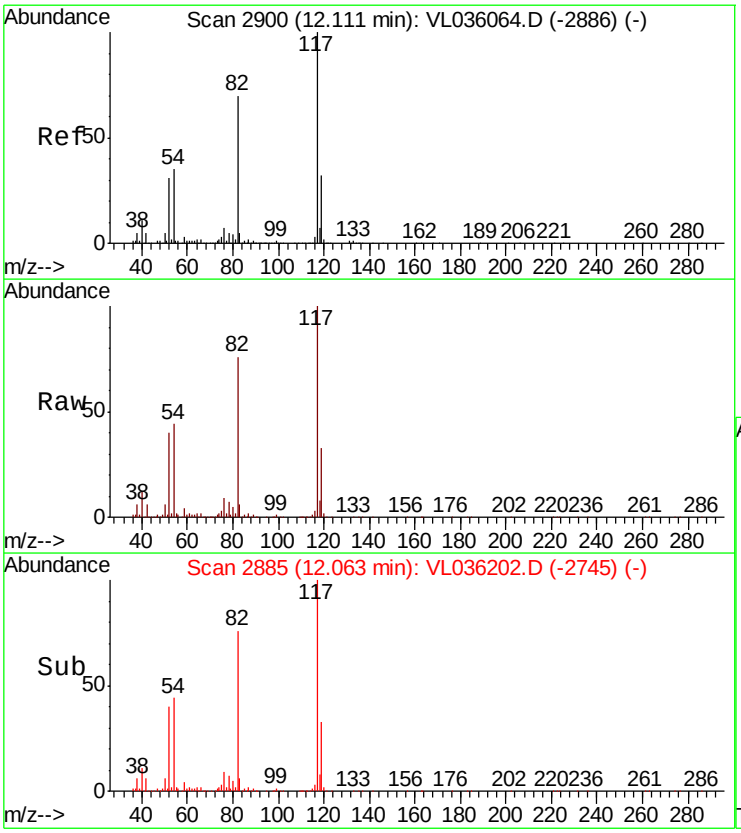
#53
Toluene
Concen: 1.264 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion: 91 Resp: 315410

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.2	72.2

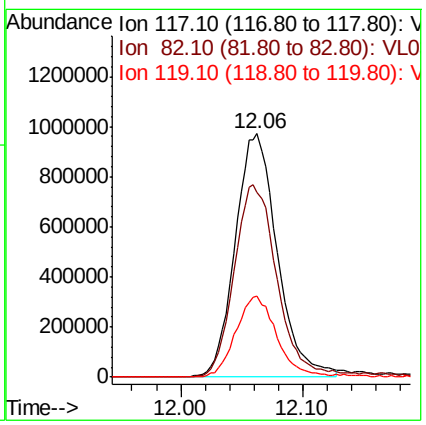


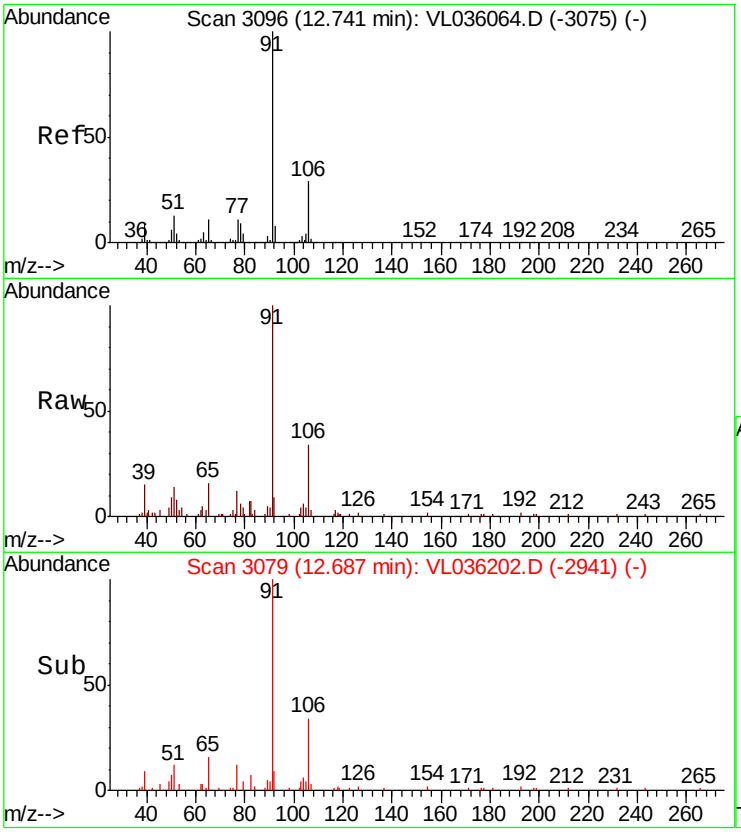


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion:117 Resp: 2310945

Ion	Ratio	Lower	Upper
117	100		
82	82.3	0.0	0.0#
119	33.0	0.0	0.0#



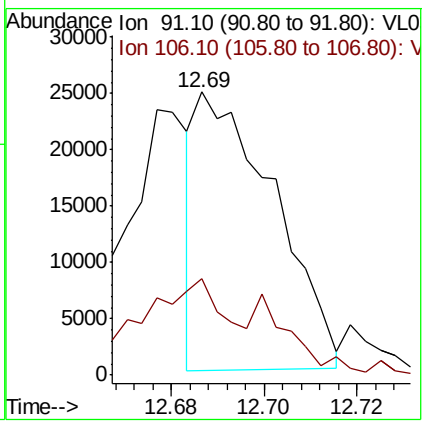


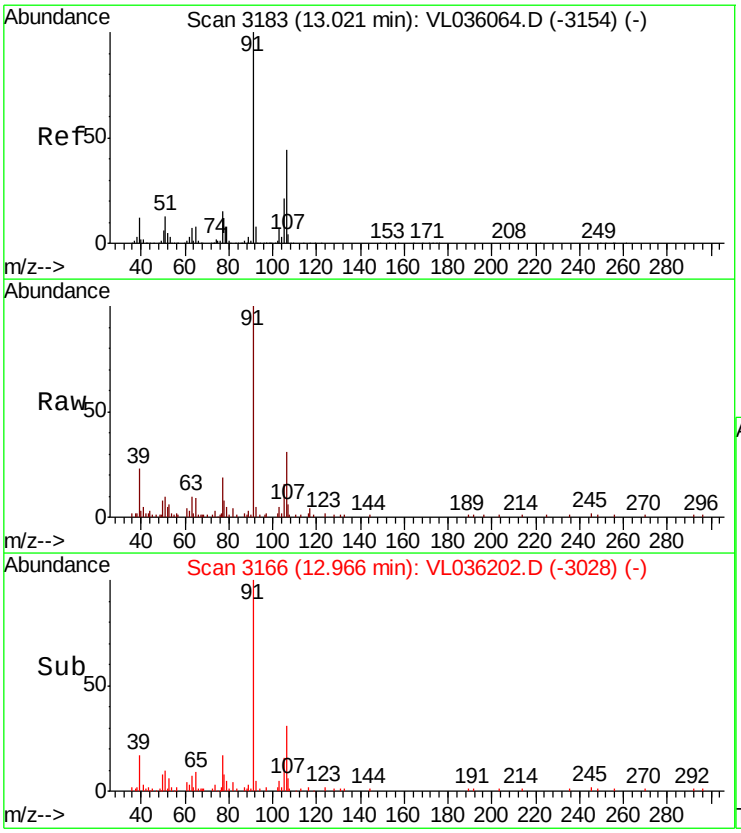
#58
Ethyl Benzene
Concen: 0.091 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion: 91 Resp: 28749

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.0	34.4

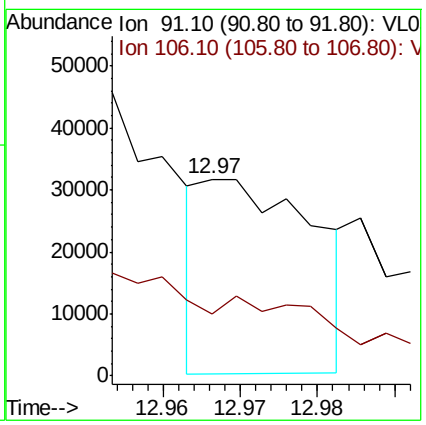


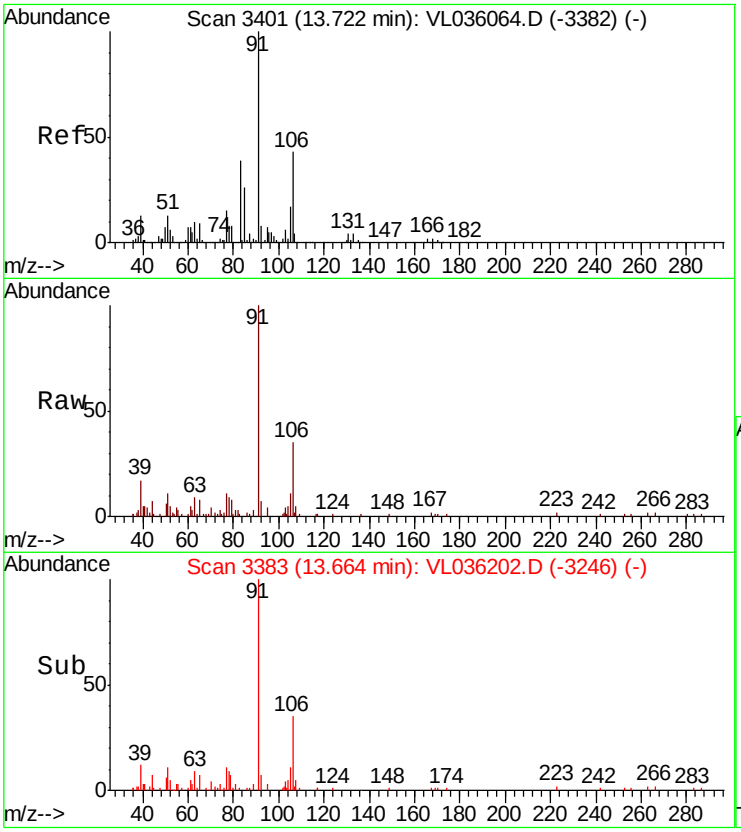


#59
m/p-Xylene
Concen: 0.119 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 91 Resp: 31665

Ion	Ratio	Lower	Upper
91	100		
106	0.0	33.6	50.4#



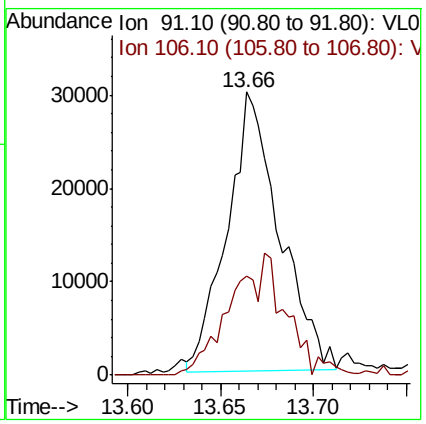


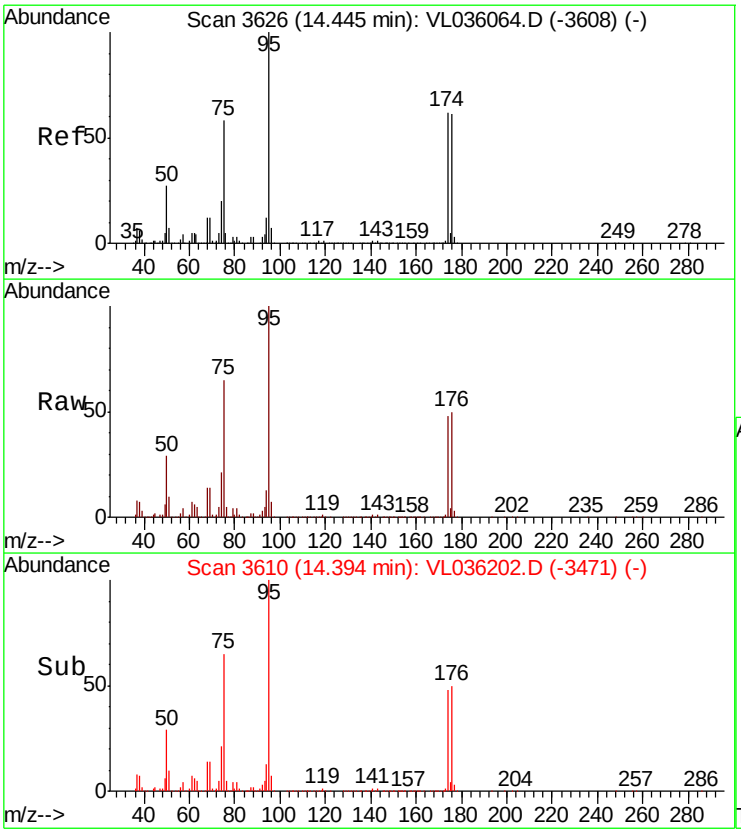
#60
o-Xylene
Concen: 0.233 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.06 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion: 91 Resp: 58614

Ion	Ratio	Lower	Upper
91	100		
106	46.5	21.6	64.6

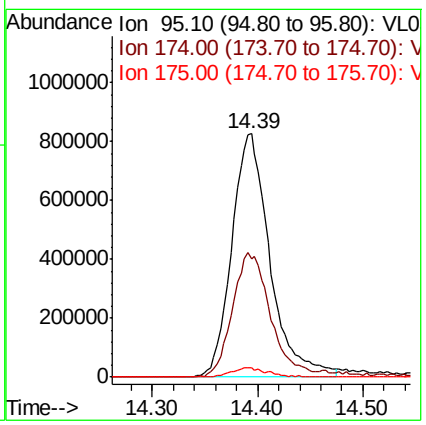


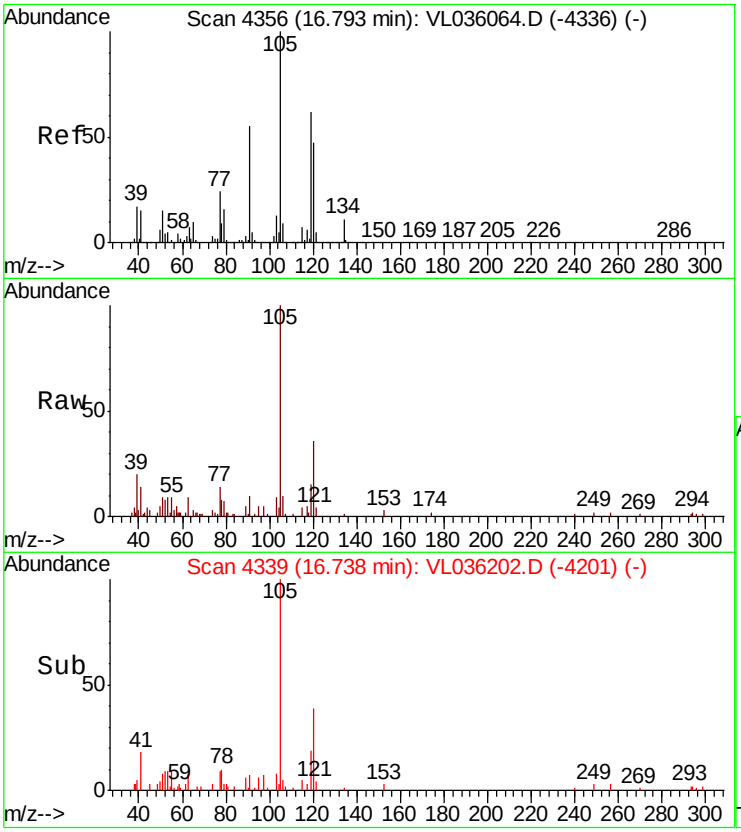


#68
1-Bromo-4-Fluorobenzene
Concen: 11.312 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion: 95 Resp: 2075655

Ion	Ratio	Lower	Upper
95	100		
174	53.0	50.7	76.1
175	3.7	4.0	6.0#



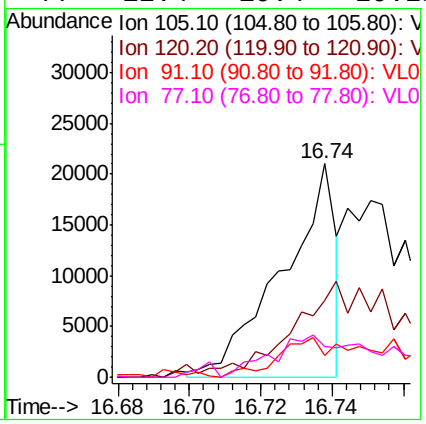


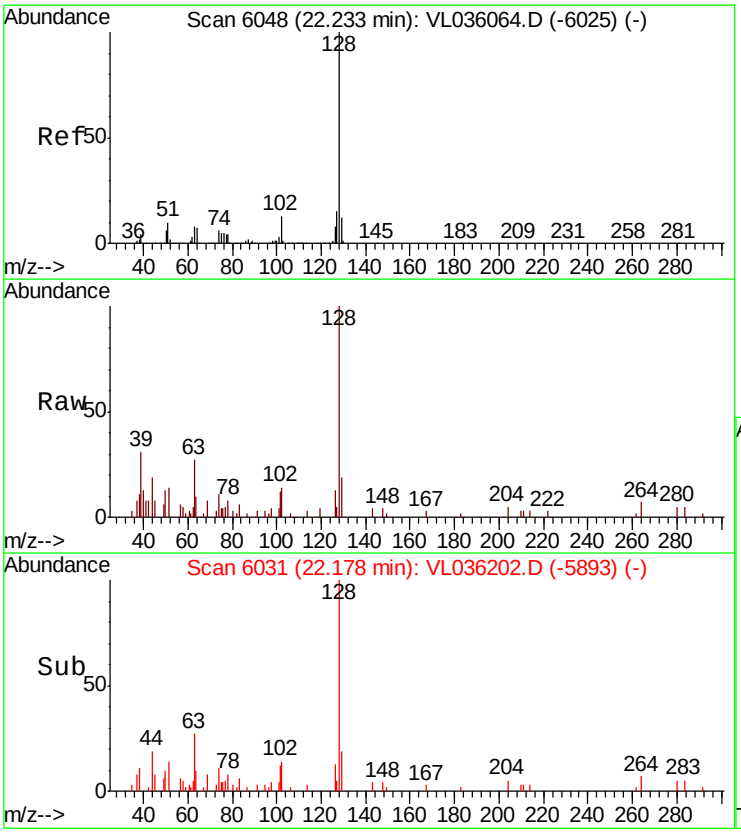
#74
1,2,4-Trimethylbenzene
Concen: 0.083 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Instrument : MSVOA_L
ClientSampleId : IIA2DUP

Tgt Ion:105 Resp: 21593

Ion	Ratio	Lower	Upper
105	100		
120	30.4	37.4	56.0#
91	9.2	45.6	68.4#
77	12.4	19.4	29.2#





#79
Naphthalene
Concen: 0.074 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. -0.05 min
Lab File: VL036202.D
Acq: 23 Dec 2020 21:32

Tgt Ion:128 Resp: 9763

Ion	Ratio	Lower	Upper
128	100		
127	5.4	11.7	17.5#
129	18.5	9.3	13.9#