Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121719\
Data File : VL034497.D
Acq On : 17 Dec 2019 17:54
Operator : SY/AP
Sample : K6319-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LIHA-IAHDUP

Quant Time: Dec 18 04:22:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	920311	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1793208	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1799331	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1559997	10.31	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	86752	0.521	ppbv	95
4) Chloromethane	3.11	50	29806	0.440	ppbv	97
9) Propene	3.18	41	100027	1.962	ppbv	94
10) Heptane	8.15	43	39215	0.298	ppbv	99
11) Trichlorofluoromethane	3.94	101	41424	0.250	ppbv	84
13) Ethanol	3.61	45	6384665	449.601	ppbv	91
15) Acetone	3.84	43	877847	6.661	ppbv	93
16) 1,3-Butadiene	3.28	39	6728	0.117	ppbv #	9
17) tert-Butyl alcohol	4.30	59	12325	0.111	ppbv #	71
19) Isopropyl Alcohol	3.98	45	72788	0.862	ppbv #	1
20) Methylene Chloride	4.34	84	66610	1.425	ppbv	98
23) Vinyl Acetate	5.07	43	10028	0.058	ppbv #	84
25) Ethyl Acetate	5.69	43	57650	0.245	ppbv #	96
26) Hexane	5.70	57	45627	0.452	ppbv #	60
29) Chloroform	5.76	83	109762	0.671	ppbv	100
34) 2-Butanone	5.25	43	33768	0.229	ppbv #	89
36) Benzene	6.90	78	13755	0.077	ppbv	93
39) 1,2-Dichloropropane	7.20	63	528706	7.656	ppbv #	24
52) Tetrachloroethene	11.27	164	5418	0.070	ppbv #	48
53) Toluene	9.85	91	185326	0.910	ppbv	99
60) o-Xylene	13.74	91	9858	0.041	ppbv	67
69) p-Isopropyltoluene	18.01	119	160907	0.489	ppbv #	1
74) 1,2,4-Trimethylbenzene	16.83	105	10526	0.037	ppbv #	71

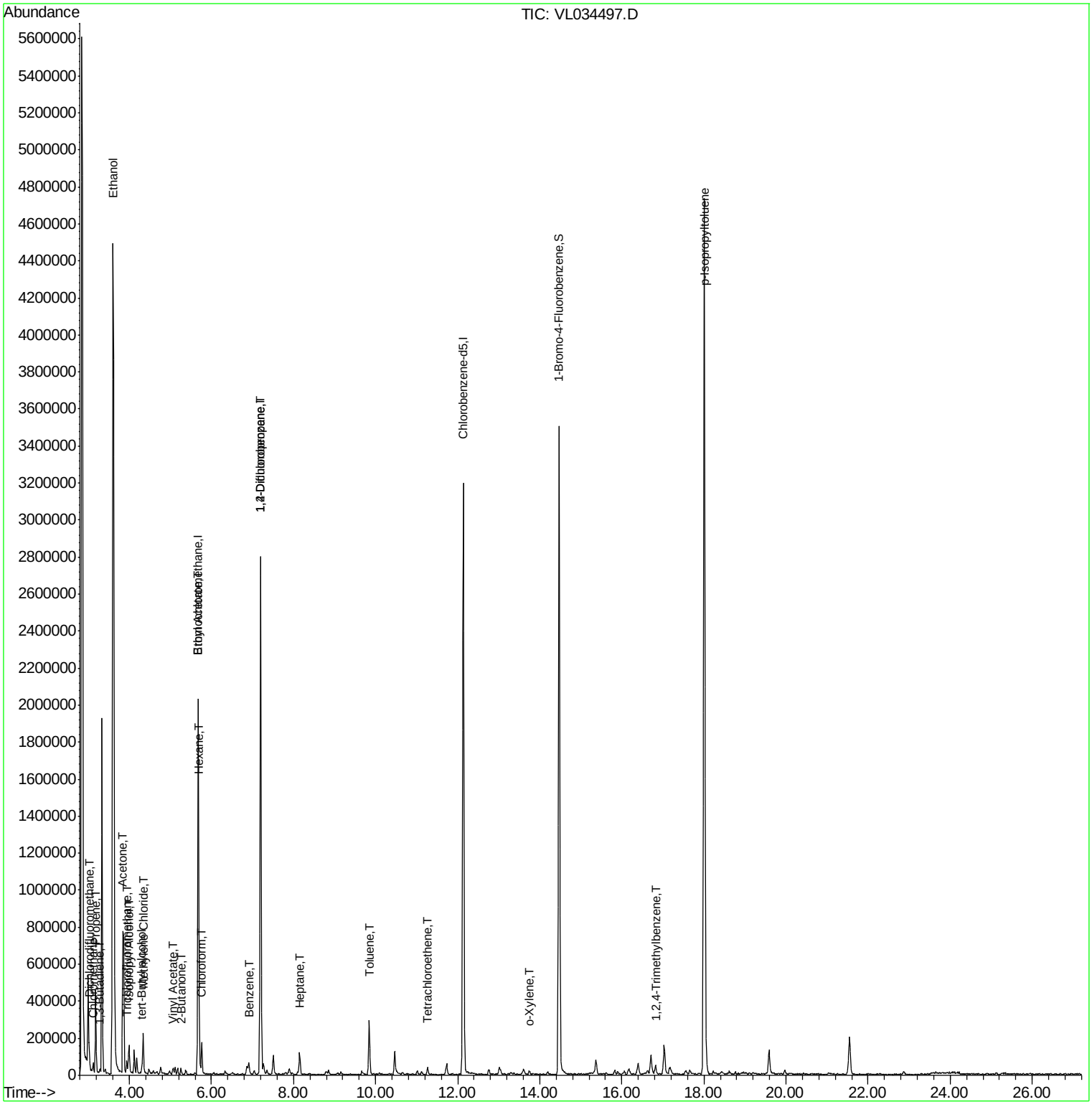
(#) = qualifier out of range (m) = manual integration (+) = signals summed

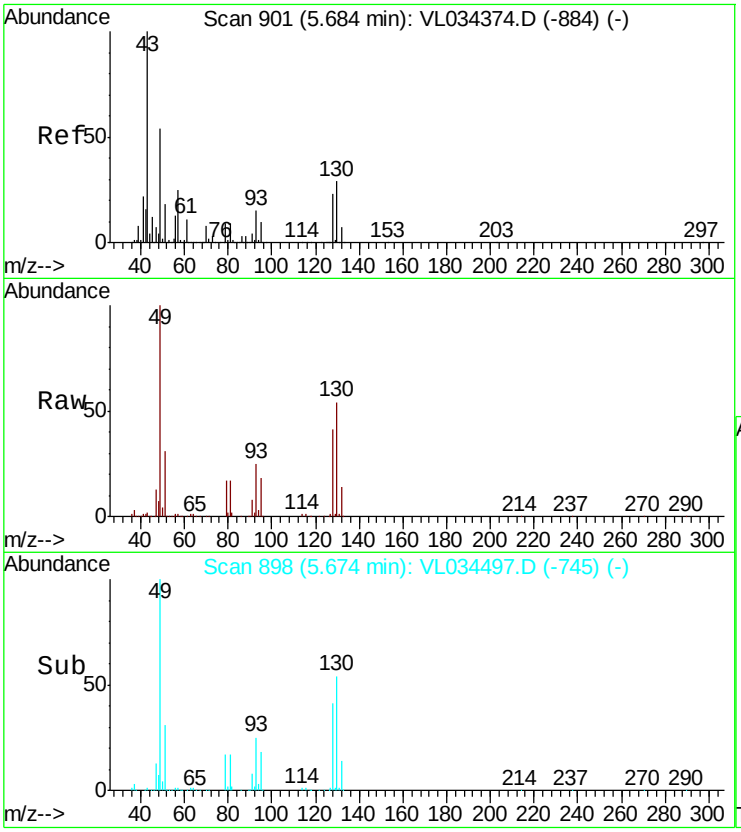
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121719\
Data File : VL034497.D
Acq On : 17 Dec 2019 17:54
Operator : SY/AP
Sample : K6319-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LIHA-IAHDUP

Quant Time: Dec 18 04:22:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



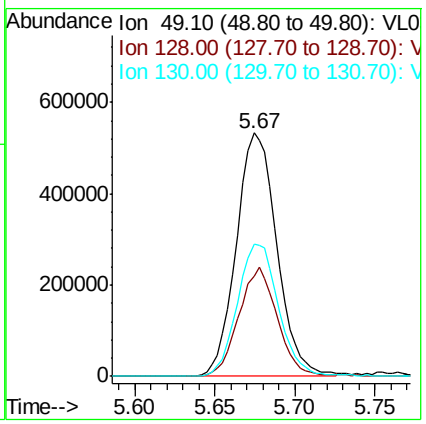


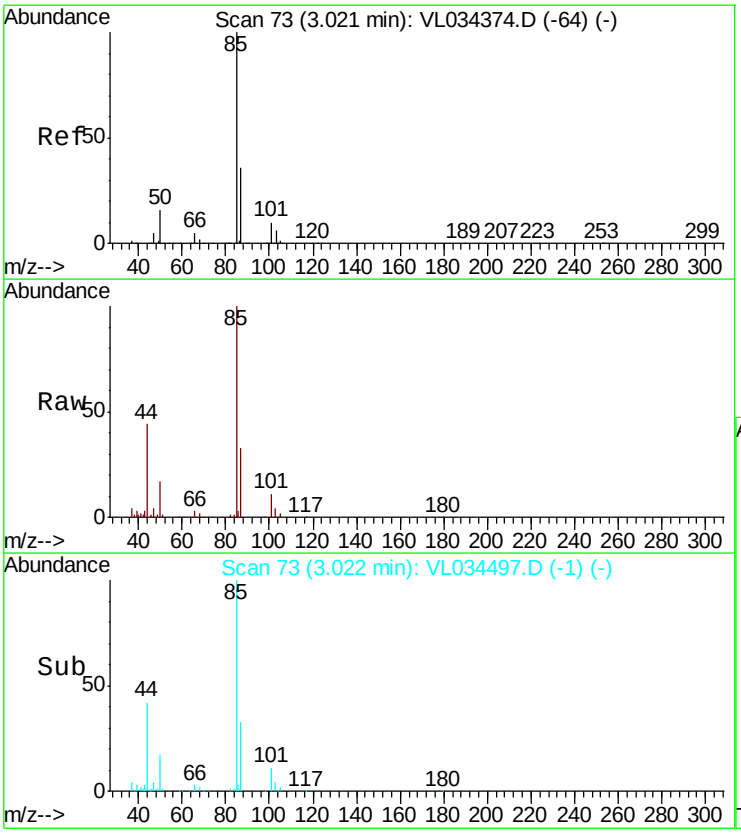
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion: 49 Resp: 920311

Ion	Ratio	Lower	Upper
49	100		
128	42.9	21.8	65.3
130	55.7	28.0	84.0

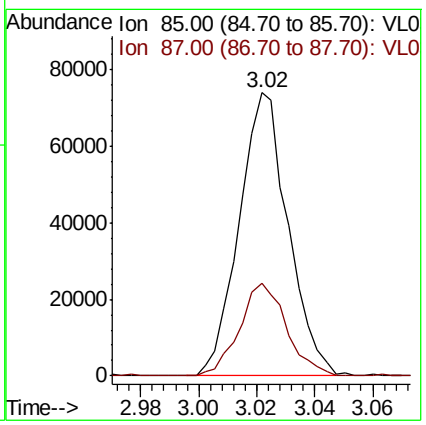


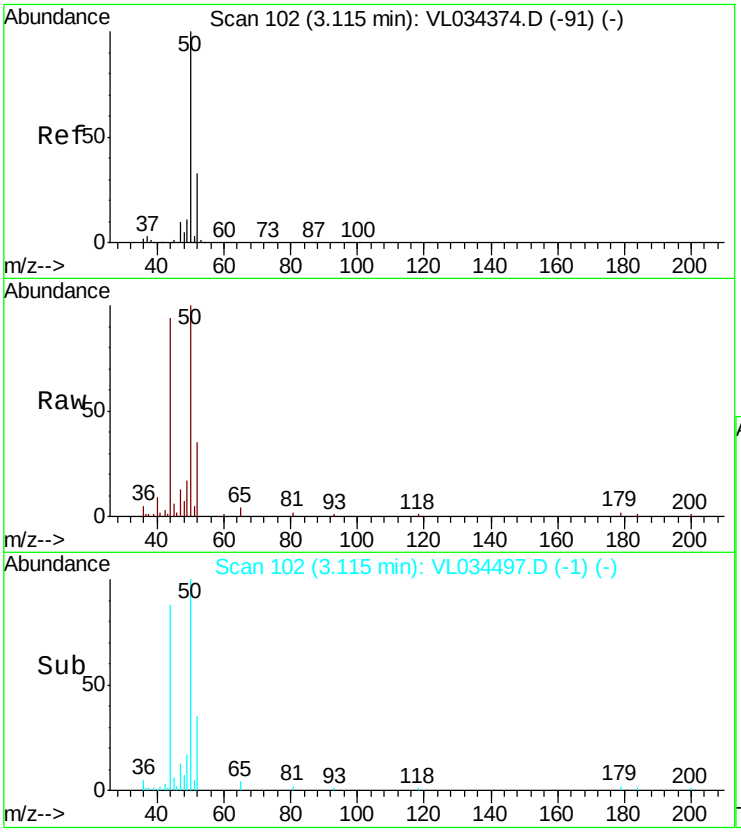


#2
Dichlorodifluoromethane
Concen: 0.521 ppbv
RT: 3.02 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 85 Resp: 86752

Ion	Ratio	Lower	Upper
85	100		
87	32.8	28.5	42.7



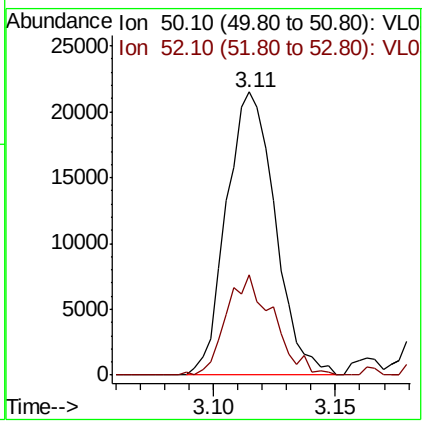


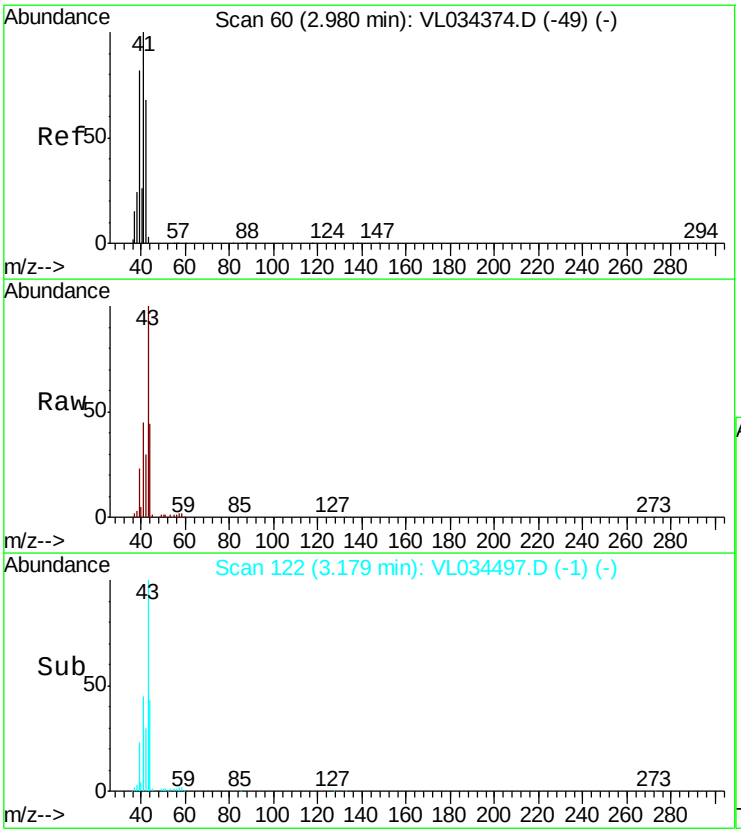
#4
Chloromethane
Concen: 0.440 ppbv
RT: 3.11 min Scan# 102
Delta R.T. 0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion: 50 Resp: 29806

Ion	Ratio	Lower	Upper
50	100		
52	35.4	26.8	40.2

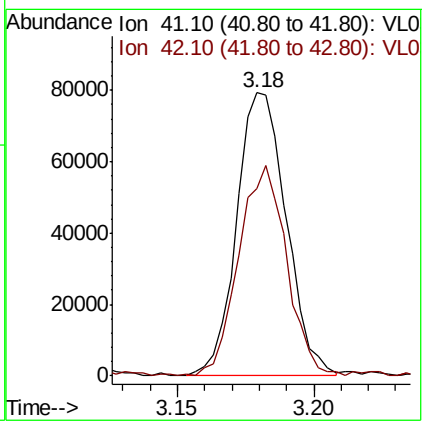


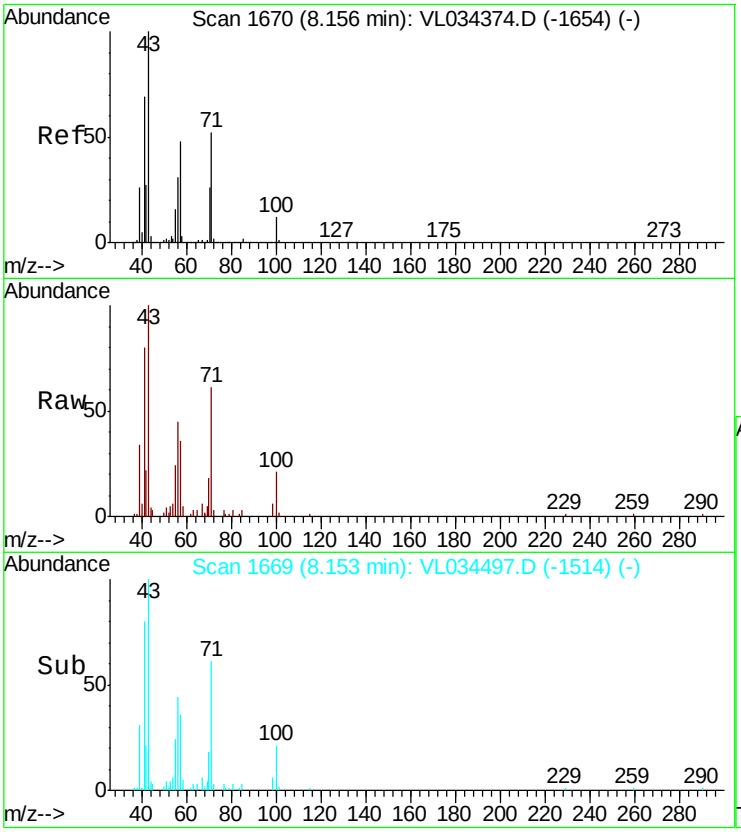


#9
Propene
Concen: 1.962 ppbv
RT: 3.18 min Scan# 122
Delta R.T. 0.20 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 41 Resp: 100027

Ion	Ratio	Lower	Upper
41	100		
42	72.8	54.6	82.0



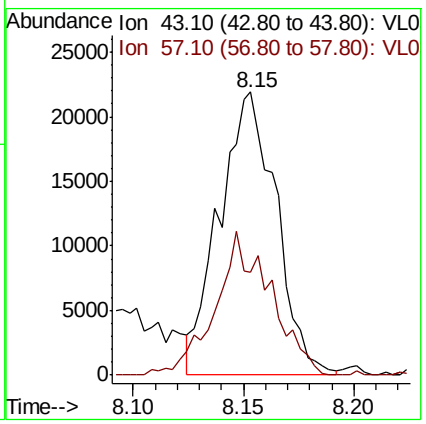


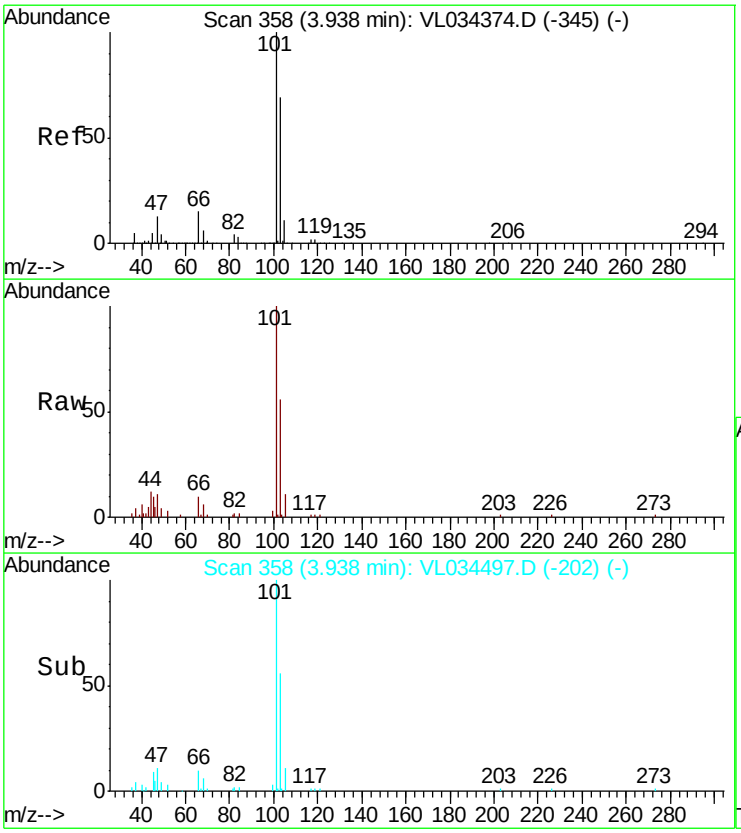
#10
Heptane
Concen: 0.298 ppbv
RT: 8.15 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion: 43 Resp: 39215

Ion	Ratio	Lower	Upper
43	100		
57	49.2	40.2	60.2

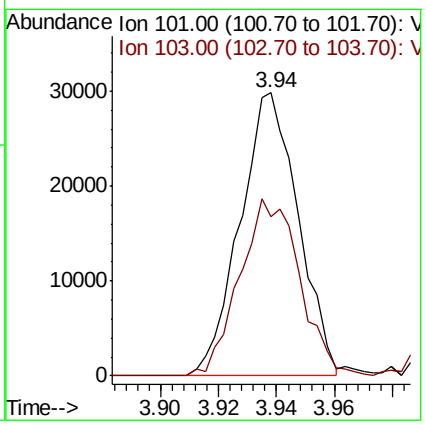


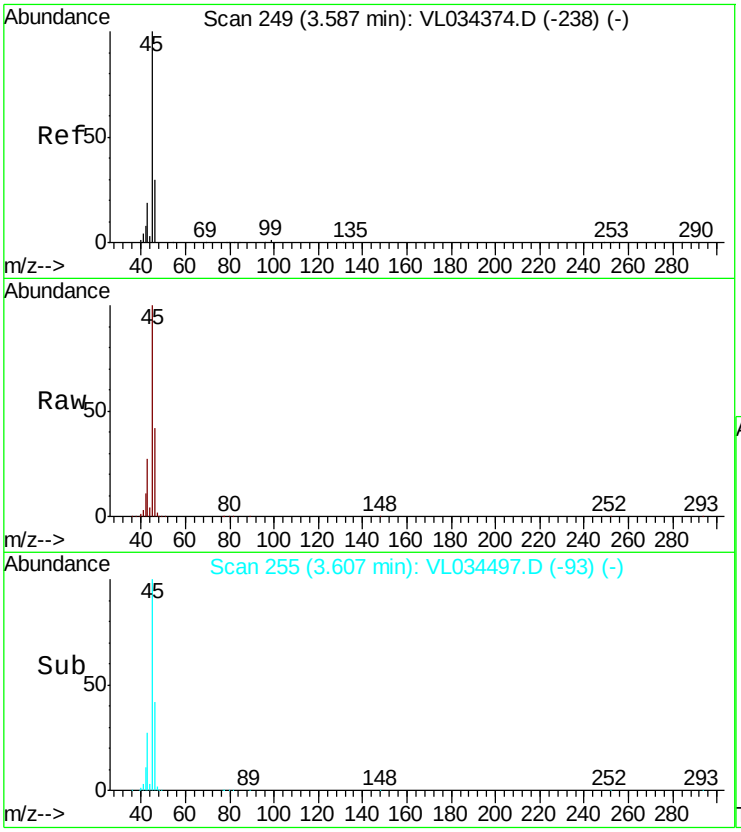


#11
Trichlorofluoromethane
Concen: 0.250 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion:101 Resp: 41424

Ion	Ratio	Lower	Upper
101	100		
103	56.5	55.4	83.0



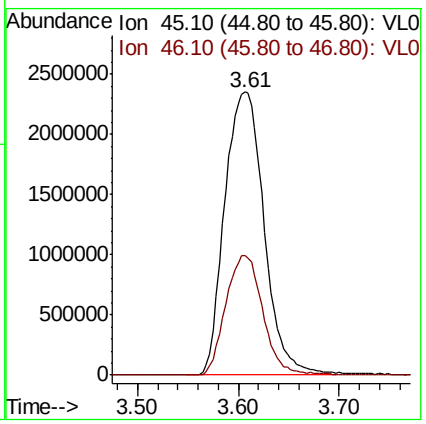


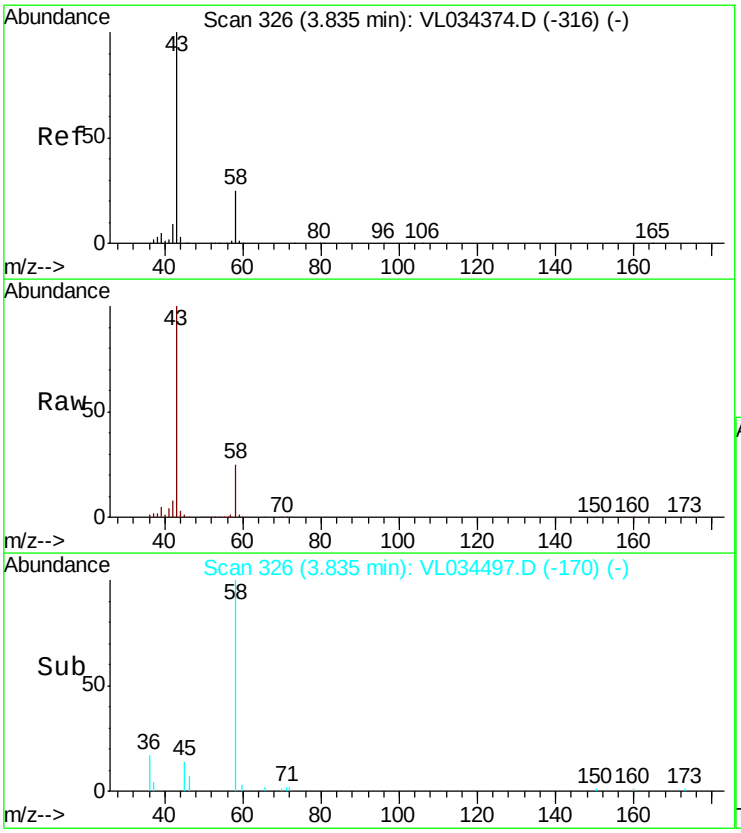
#13
Ethanol
Concen: 449.601 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.02 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion: 45 Resp: 6384665

Ion	Ratio	Lower	Upper
45	100		
46	40.1	13.8	55.4

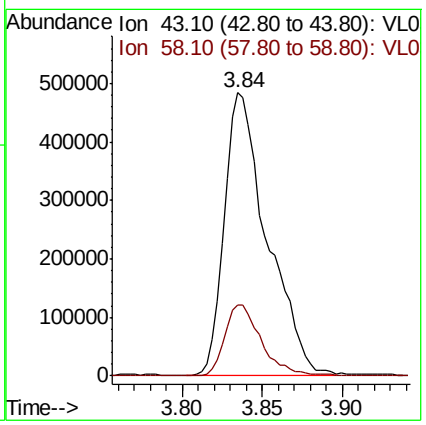


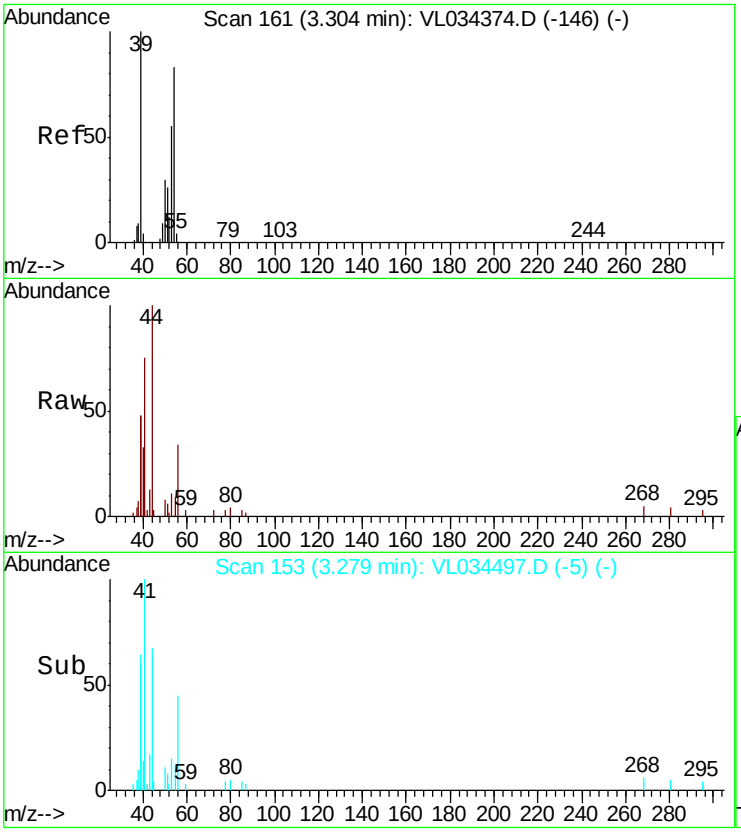


#15
Acetone
Concen: 6.661 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 43 Resp: 877847

Ion	Ratio	Lower	Upper
43	100		
58	21.8	20.2	30.4



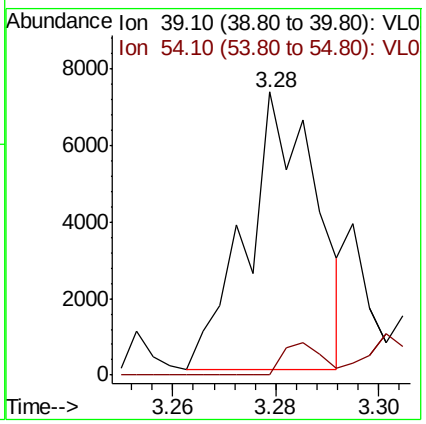


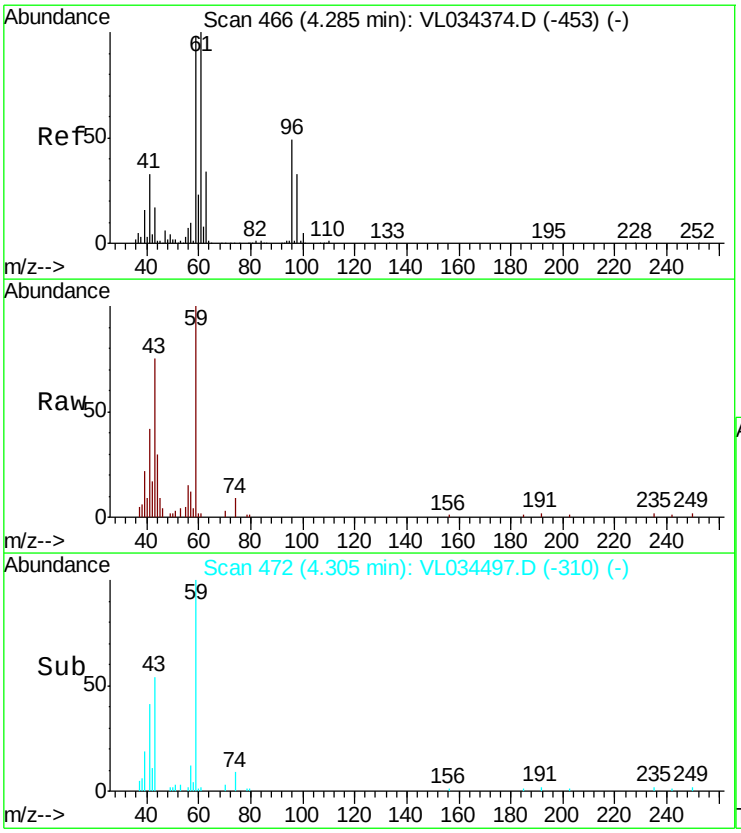
#16
1,3-Butadiene
Concen: 0.117 ppbv
RT: 3.28 min Scan# 153
Delta R.T. -0.03 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion: 39 Resp: 6728

Ion	Ratio	Lower	Upper
39	100		
54	0.0	64.7	97.1#

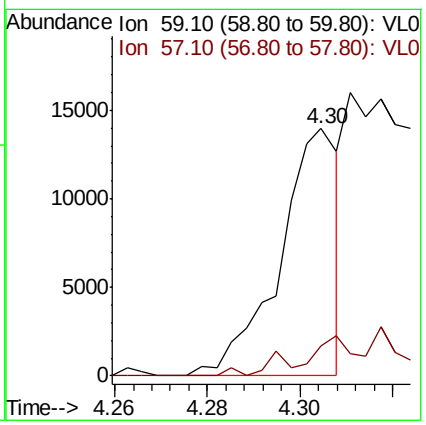


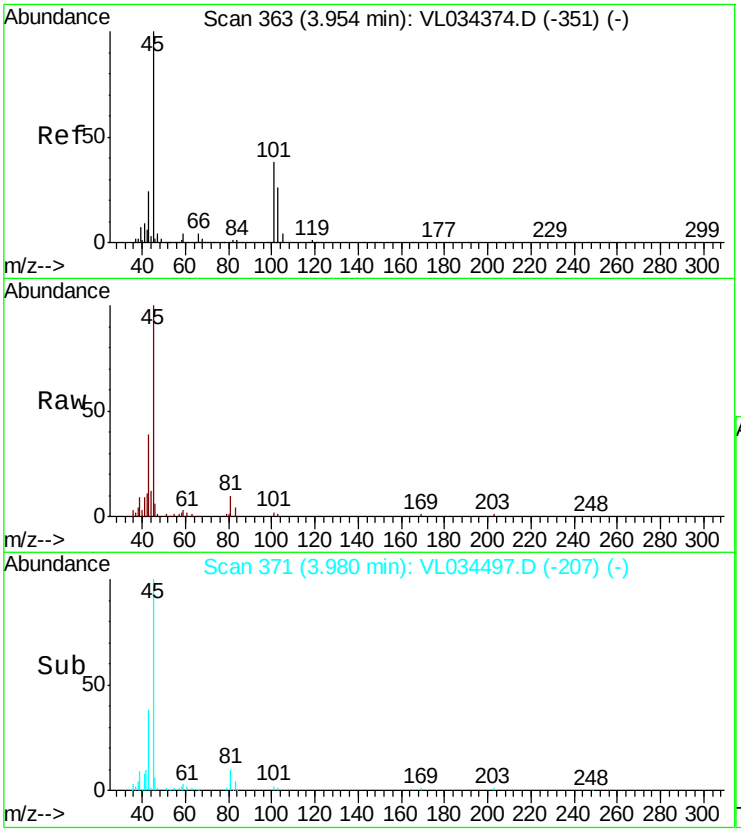


#17
tert-Butyl alcohol
Concen: 0.111 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.02 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 59 Resp: 12325

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#



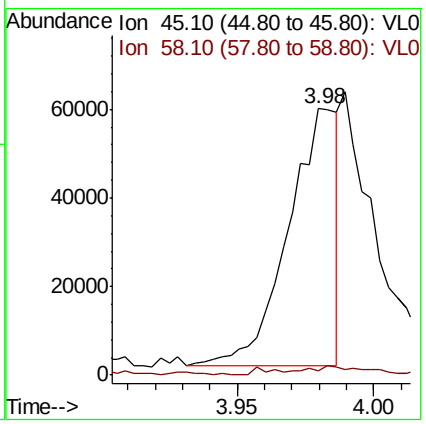


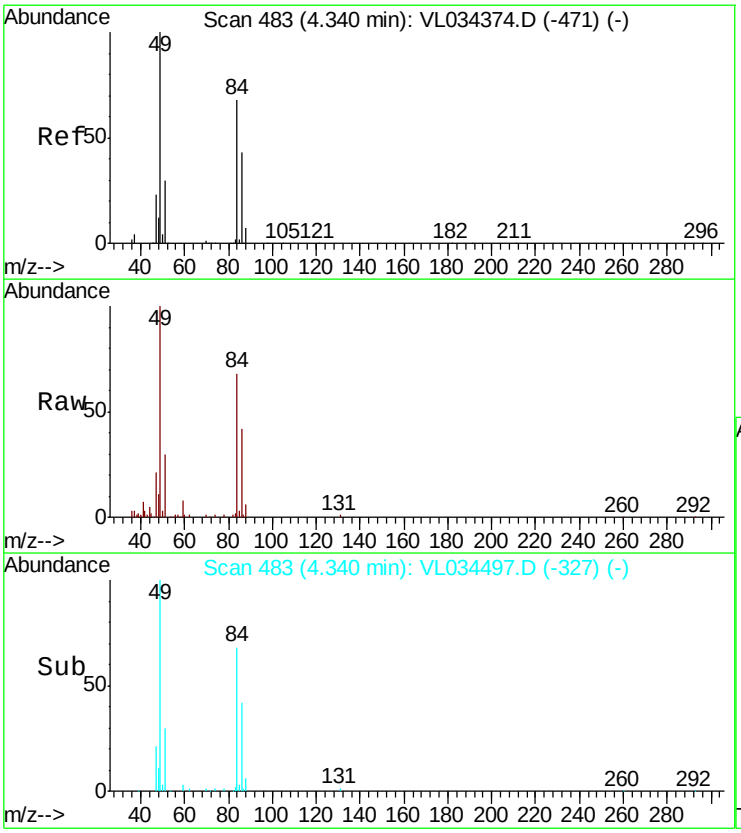
#19
Isopropyl Alcohol
Concen: 0.862 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.03 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion: 45 Resp: 72788

Ion	Ratio	Lower	Upper
45	100		
58	263.5	1.3	1.9#

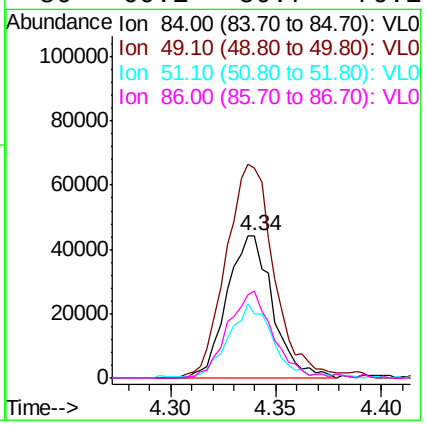


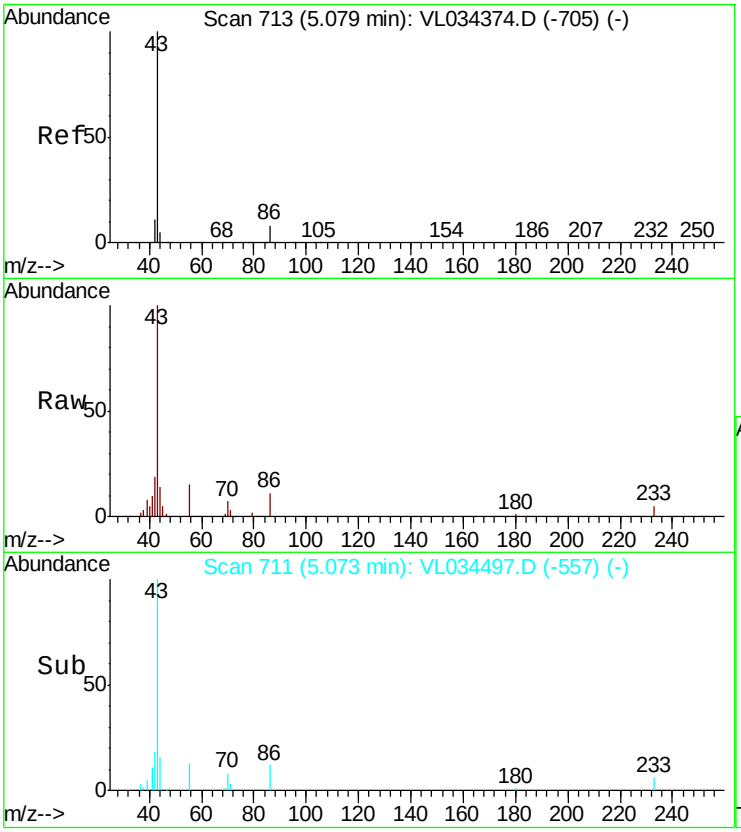


#20
Methylene Chloride
Concen: 1.425 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 84 Resp: 66610

Ion	Ratio	Lower	Upper
84	100		
49	145.0	116.8	175.2
51	44.0	35.6	53.4
86	60.1	50.7	76.1



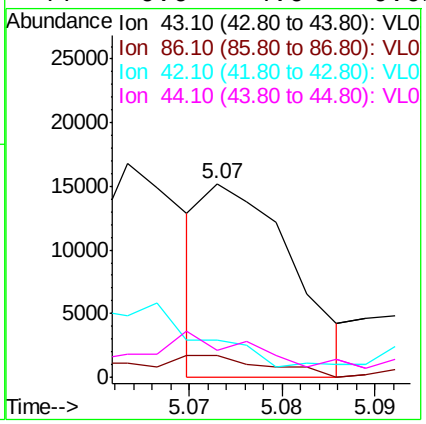


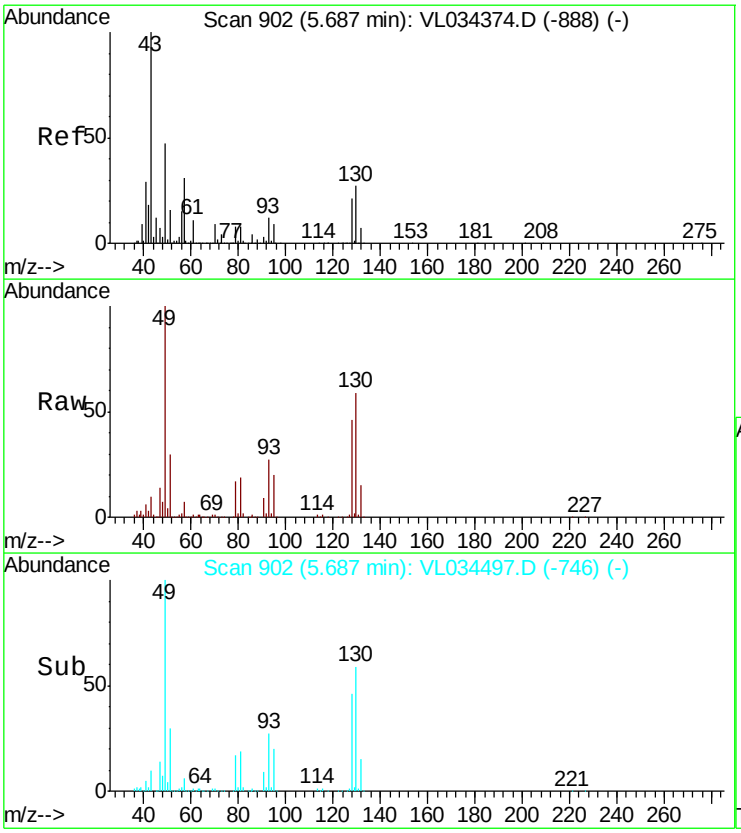
#23
Vinyl Acetate
Concen: 0.058 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.01 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument : MSVOA_L
ClientSampleId : LIHA-IAHDUP

Tgt Ion: 43 Resp: 10028

Ion	Ratio	Lower	Upper
43	100		
86	15.1	5.8	8.6#
42	17.5	8.9	13.3#
44	6.6	4.0	6.0#

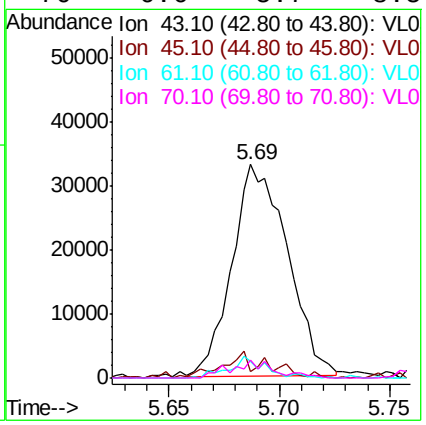


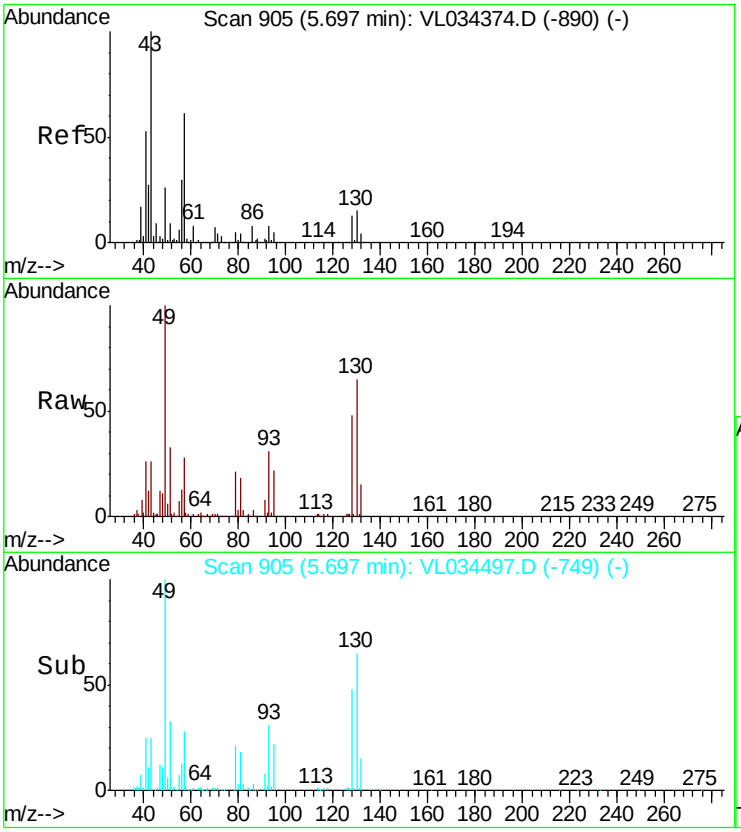


#25
Ethyl Acetate
Concen: 0.245 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 43 Resp: 57650

Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.2	12.4
61	6.7	7.5	11.3#
70	6.6	5.7	8.5



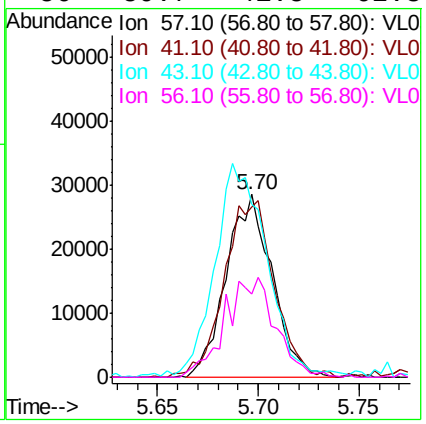


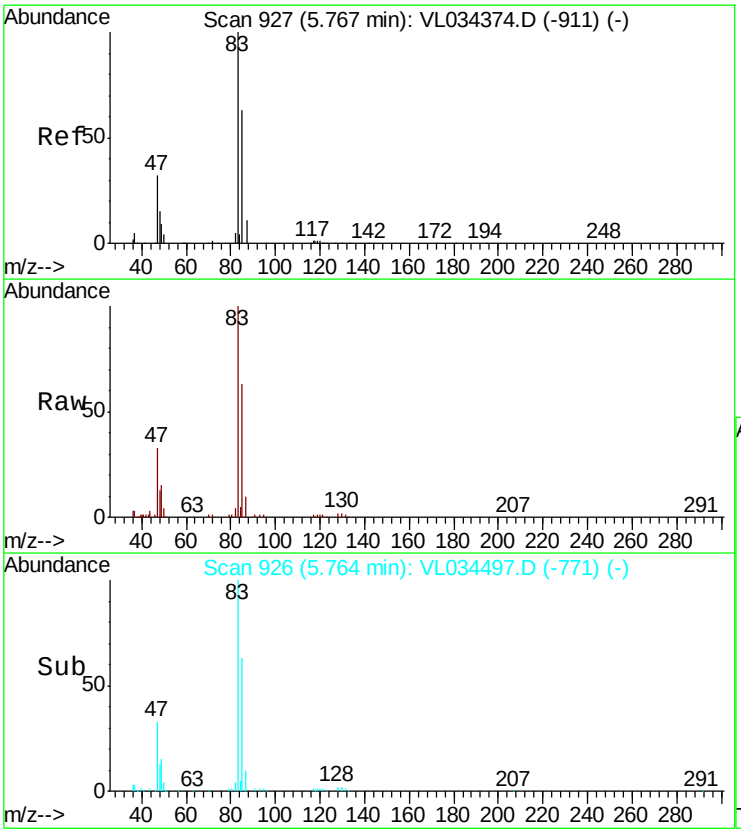
#26
Hexane
Concen: 0.452 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion: 57 Resp: 45627

Ion	Ratio	Lower	Upper
57	100		
41	104.8	75.0	112.4
43	136.1	186.6	279.8#
56	59.7	41.5	62.3

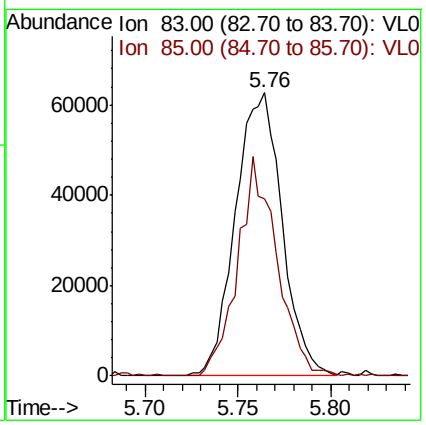


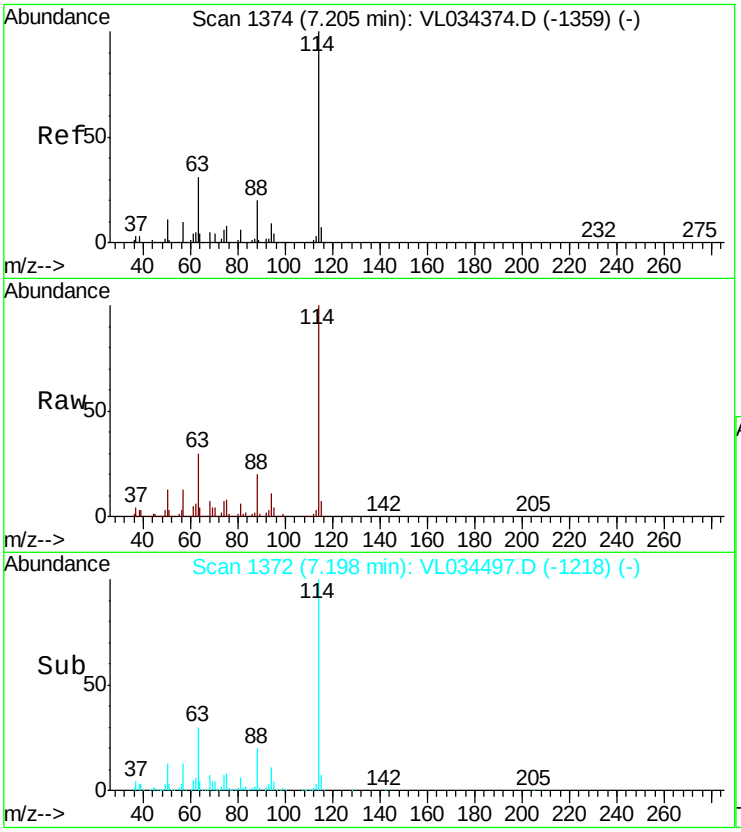


#29
Chloroform
Concen: 0.671 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 83 Resp: 109762

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.4	75.6



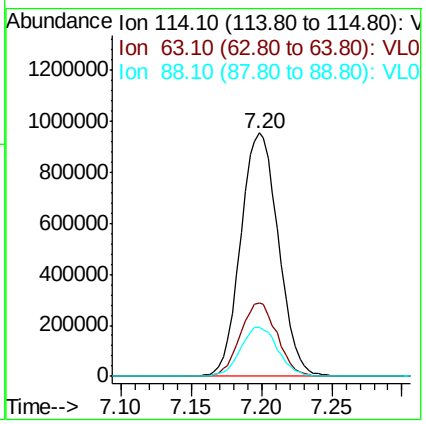


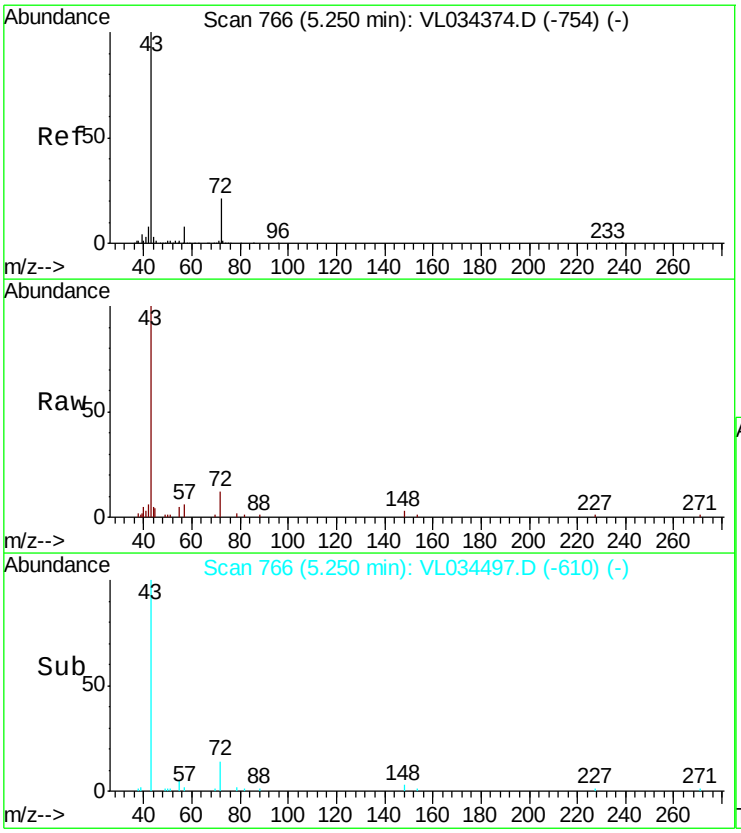
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion:114 Resp: 1793208

Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.2	36.4
88	20.0	15.9	23.9

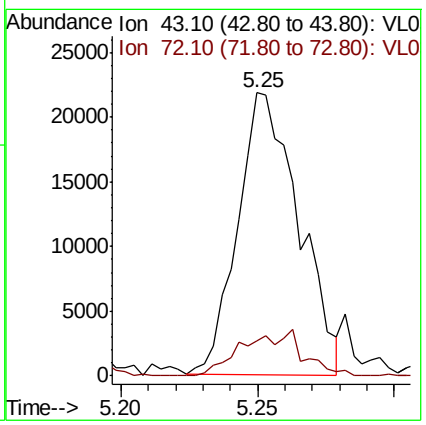


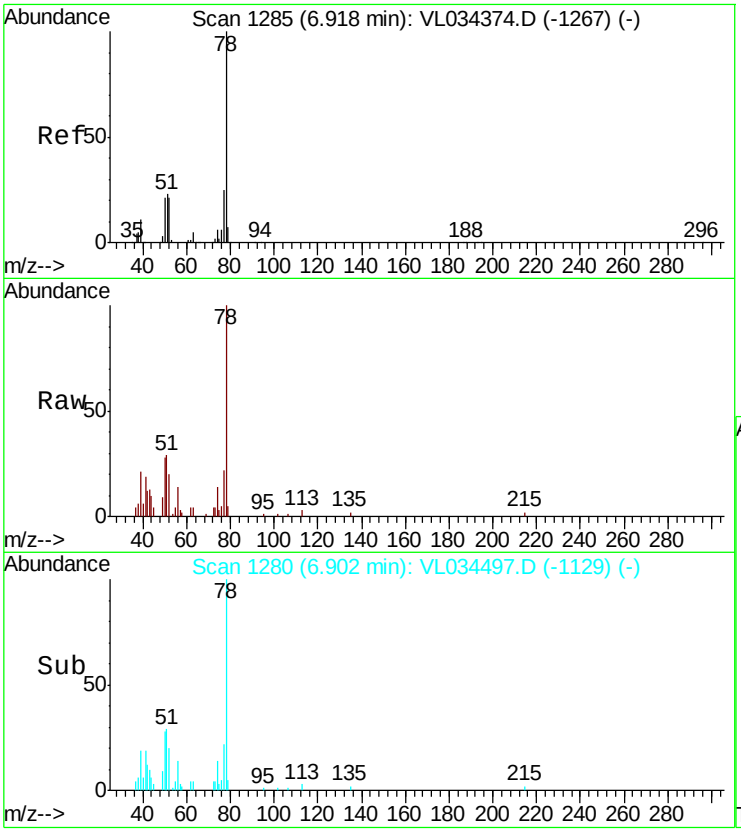


#34
2-Butanone
Concen: 0.229 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 43 Resp: 33768

Ion	Ratio	Lower	Upper
43	100		
72	16.1	17.0	25.6#



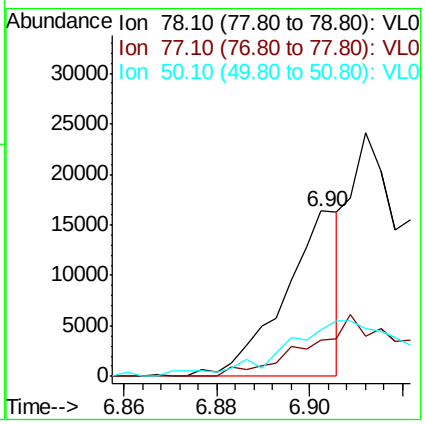


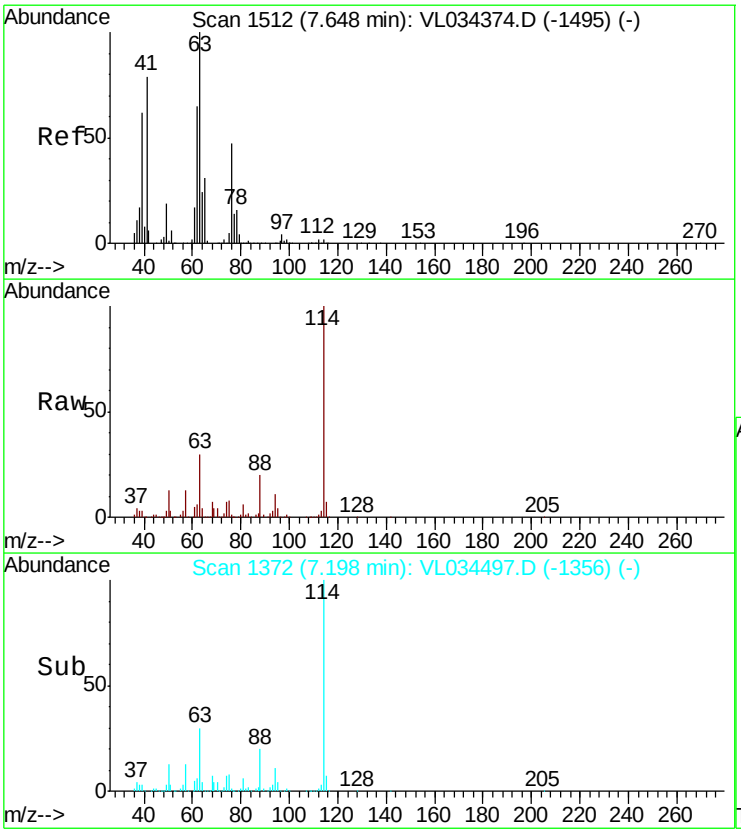
#36
Benzene
Concen: 0.077 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.02 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion: 78 Resp: 13755

Ion	Ratio	Lower	Upper
78	100		
77	22.3	20.2	30.4
50	25.1	17.1	25.7

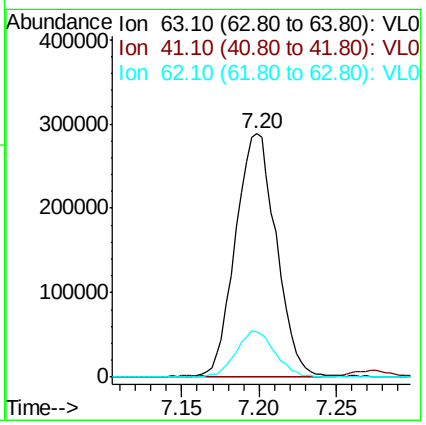


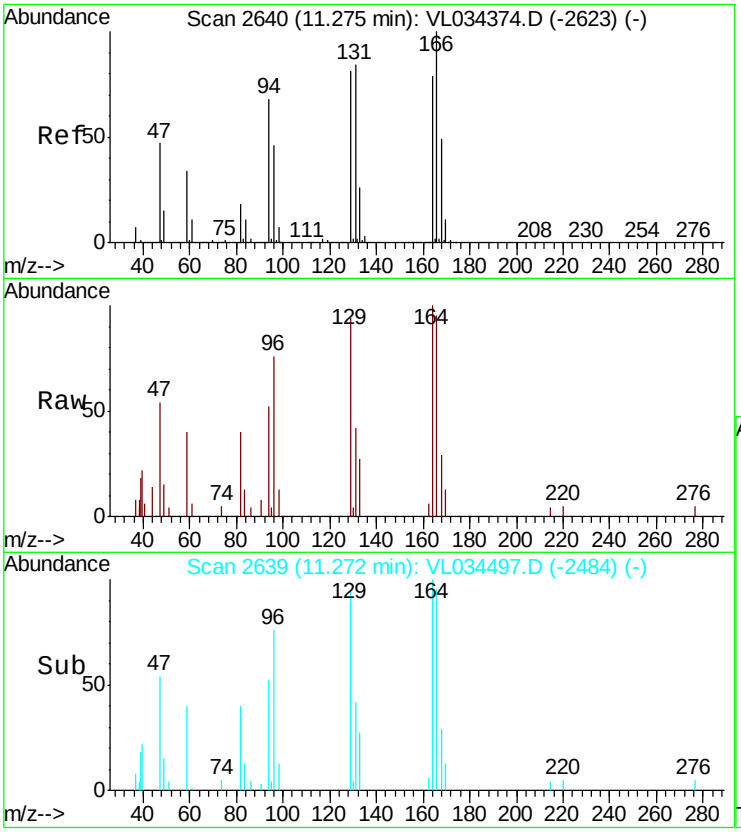


#39
1,2-Dichloropropane
Concen: 7.656 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.45 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 63 Resp: 528706

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.1	94.7#
62	18.8	52.3	78.5#



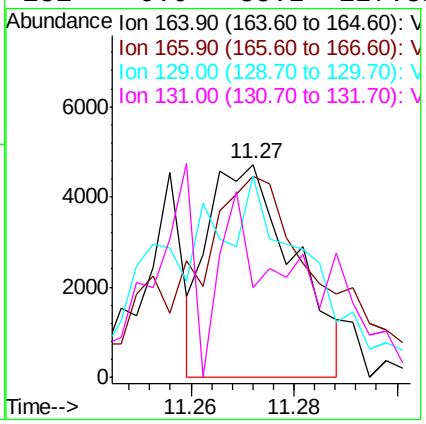


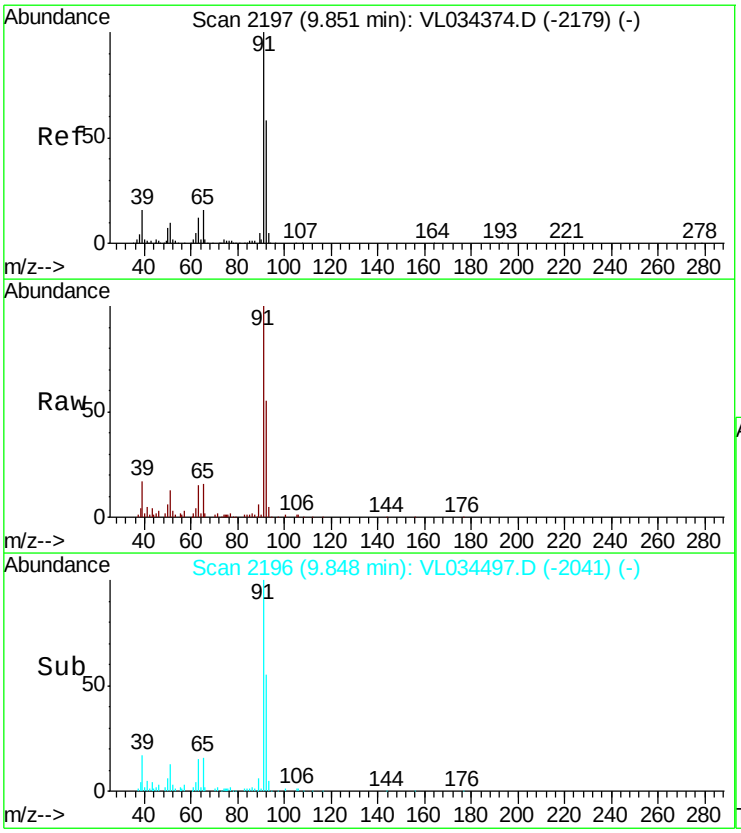
#52
Tetrachloroethene
Concen: 0.070 ppbv
RT: 11.27 min Scan# 2639
Delta R.T. -0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion:164 Resp: 5418

Ion	Ratio	Lower	Upper
164	100		
166	76.5	101.7	152.5#
129	94.0	82.6	123.8
131	0.0	85.2	127.8#

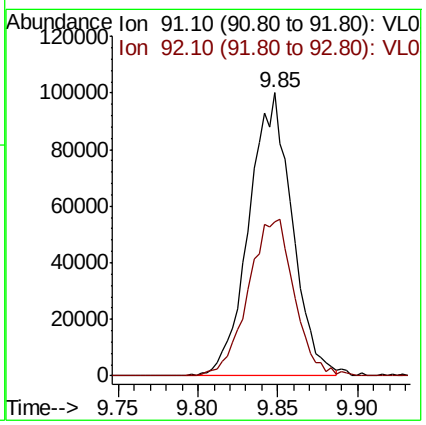


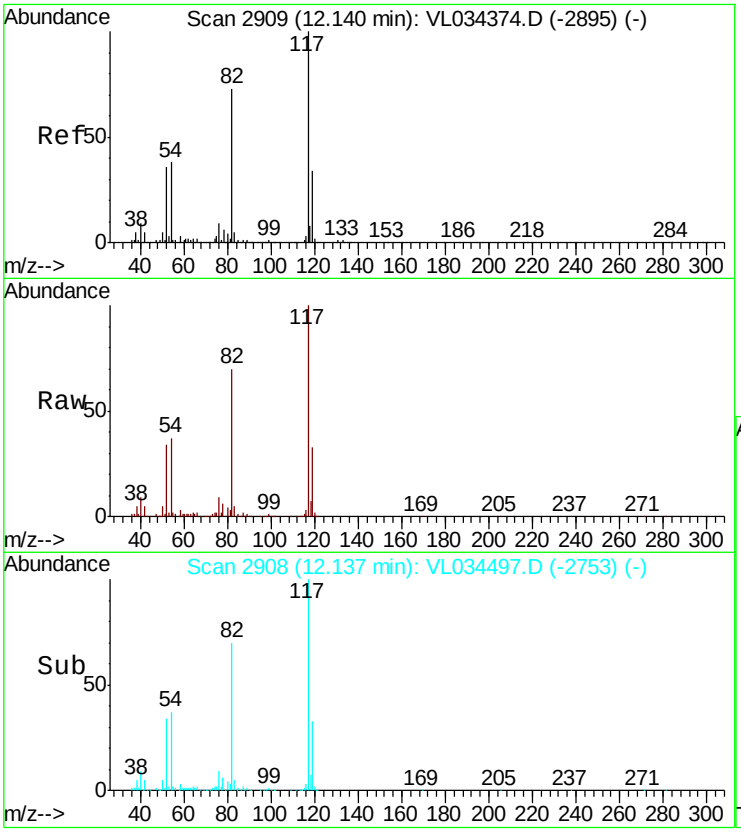


#53
Toluene
Concen: 0.910 ppbv
RT: 9.85 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 91 Resp: 185326

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.9	71.9



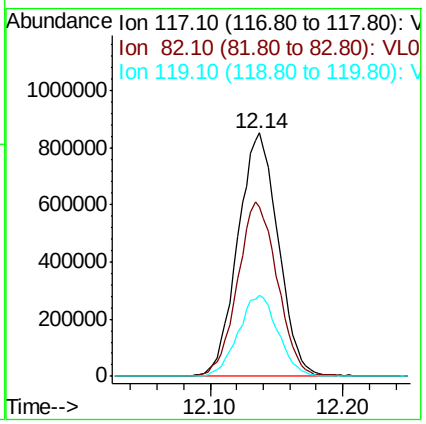


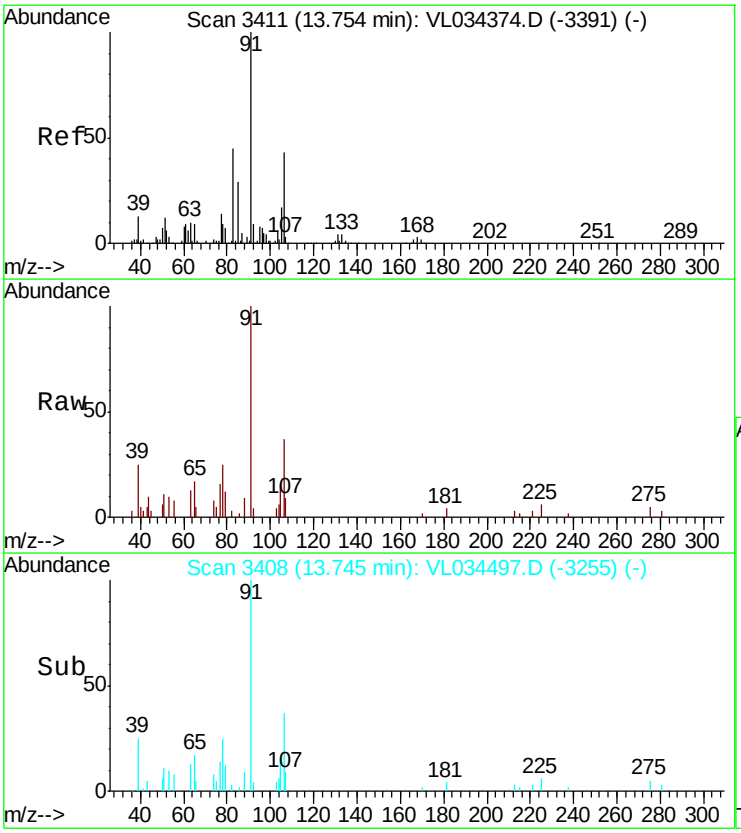
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument : MSVOA_L
ClientSampleId : LIHA-IAHDUP

Tgt Ion:117 Resp: 1799331

Ion	Ratio	Lower	Upper
117	100		
82	71.0	57.5	86.3
119	32.9	25.4	38.2

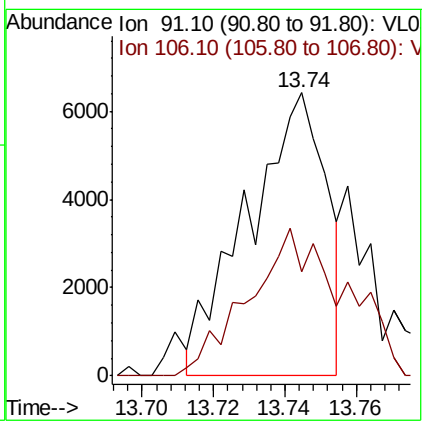


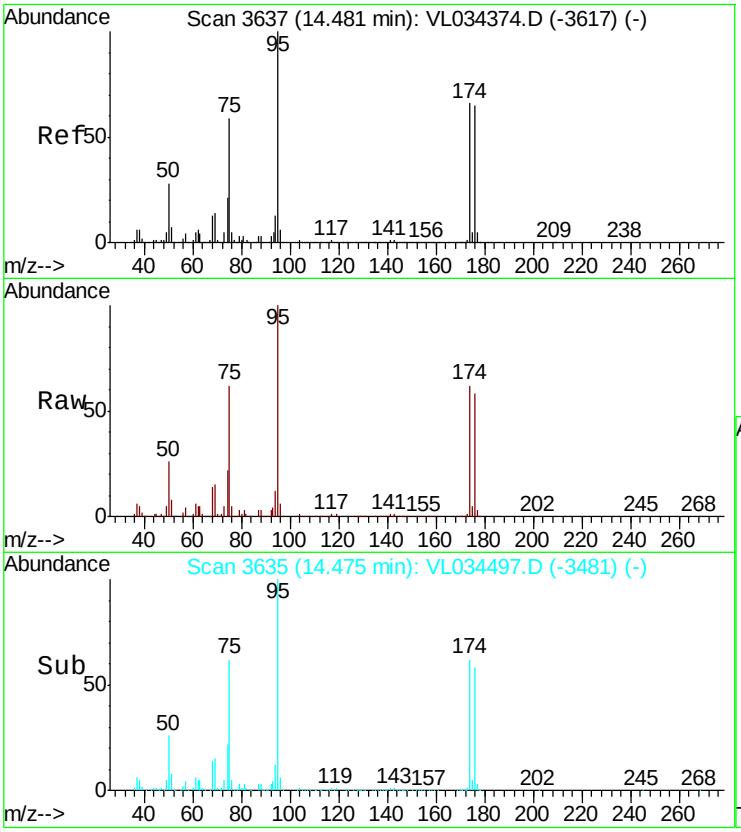


#60
o-Xylene
Concen: 0.041 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. -0.01 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion: 91 Resp: 9858

Ion	Ratio	Lower	Upper
91	100		
106	63.4	21.3	64.0



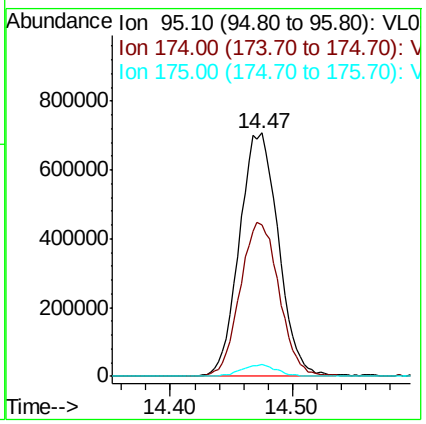


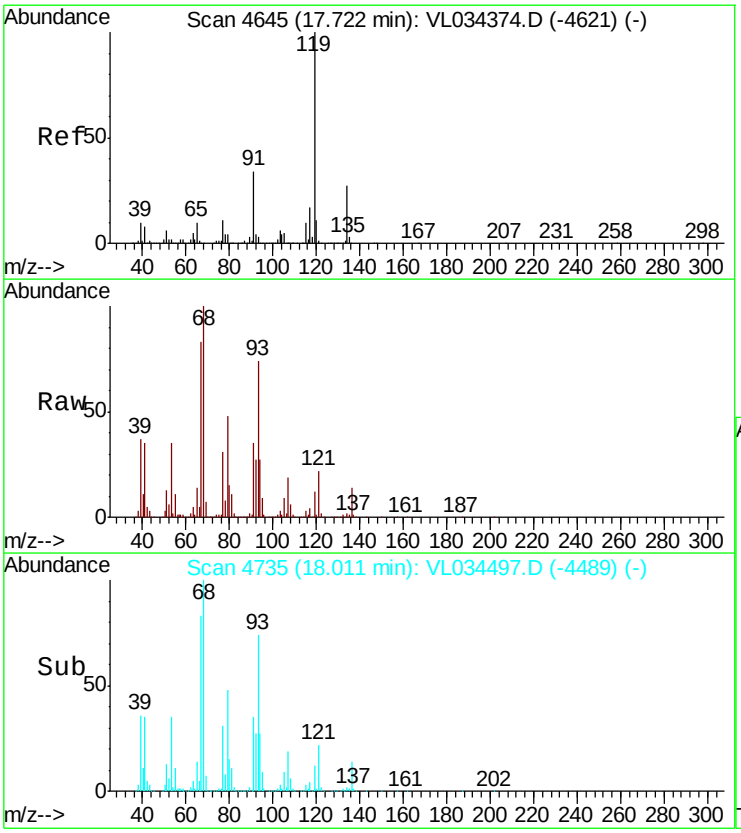
#68
1-Bromo-4-Fluorobenzene
Concen: 10.306 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion: 95 Resp: 1559997

Ion	Ratio	Lower	Upper
95	100		
174	63.4	52.2	78.2
175	4.5	3.8	5.8

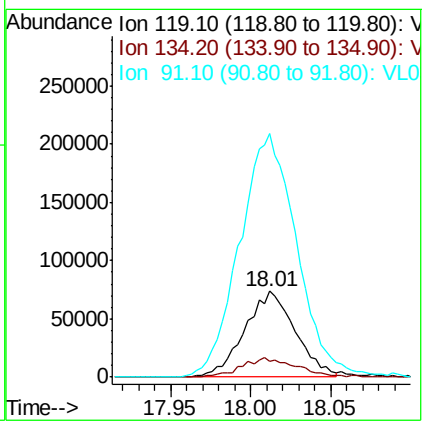


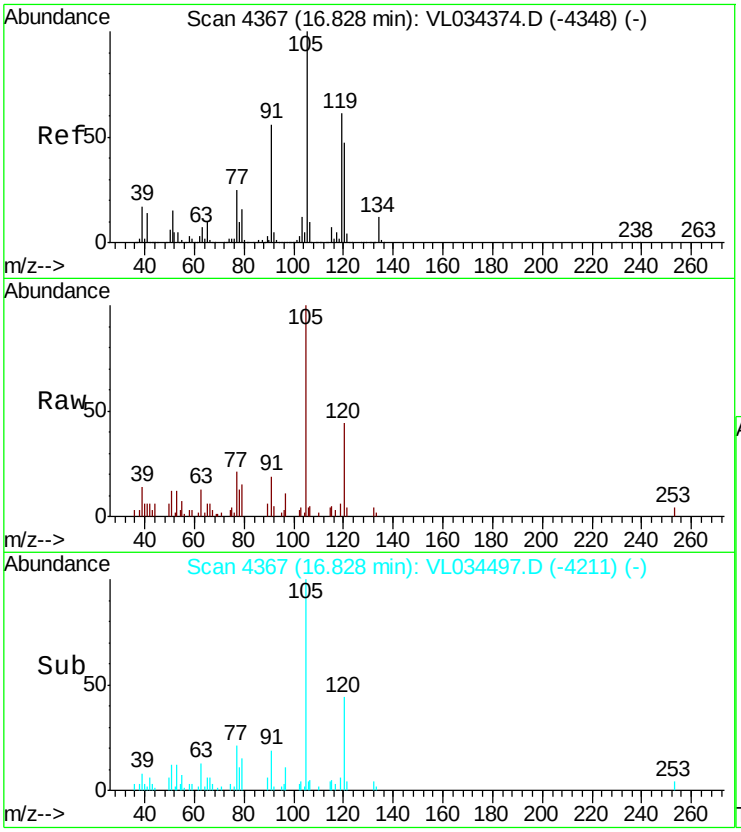


#69
p-Isopropyltoluene
Concen: 0.489 ppbv
RT: 18.01 min Scan# 4735
Delta R.T. 0.29 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Tgt Ion:119 Resp: 160907

Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.6	31.0
91	321.4	26.3	39.5#





#74
1,2,4-Trimethylbenzene
Concen: 0.037 ppbv
RT: 16.83 min Scan# 4367
Delta R.T. 0.00 min
Lab File: VL034497.D
Acq: 17 Dec 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDUP

Tgt Ion:105 Resp: 10526

Ion	Ratio	Lower	Upper
105	100		
120	43.5	37.4	56.0
91	19.9	46.3	69.5#
77	13.1	20.6	30.8#