Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035778.D
Acq On : 13 Oct 2020 1:29
Operator : SY/AP
Sample : L4347-01DL 20X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1DL

Quant Time: Oct 13 02:04:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	988525	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	3675191	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3675255	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2800254	10.17	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	6597	0.041	ppbv	99
3) Chlorodifluoromethane	2.96	51	55532	0.522	ppbv #	58
4) Chloromethane	3.14	50	2181	0.038	ppbv #	74
8) Dichlorotetrafluoroethane	3.04	85	6597	0.034	ppbv #	9
9) Propene	3.02	41	37477	0.971	ppbv	90
10) Heptane	8.13	43	13719	0.127	ppbv	99
13) Ethanol	3.62	45	5095464	535.114	ppbv	98
15) Acetone	3.85	43	1000599	9.407	ppbv	94
16) 1,3-Butadiene	3.30	39	45457	1.168	ppbv #	12
17) tert-Butyl alcohol	4.31	59	63012	0.544	ppbv	97
19) Isopropyl Alcohol	3.99	45	79397	1.372	ppbv #	1
20) Methylene Chloride	4.34	84	122906	1.573	ppbv	97
23) Vinyl Acetate	5.06	43	15509	0.119	ppbv #	1
25) Ethyl Acetate	5.68	43	127536	0.666	ppbv	98
26) Hexane	5.69	57	50401	0.481	ppbv #	63
27) Carbon Disulfide	4.56	76	10705	0.068	ppbv #	66
29) Chloroform	5.75	83	13792	0.065	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	5820	0.031	ppbv	96
34) 2-Butanone	5.25	43	72769	0.599	ppbv	98
36) Benzene	6.89	78	28004	0.117	ppbv	97
39) 1,2-Dichloropropane	7.18	63	729268	8.402	ppbv #	30
53) Toluene	9.82	91	973163	3.446	ppbv	97
58) Ethyl Benzene	12.73	91	63693	0.173	ppbv #	86
59) m/p-Xylene	12.99	91	199082	0.618	ppbv	96
60) o-Xylene	13.71	91	96729	0.297	ppbv	98
61) Styrene	13.55	104	6921	0.031	ppbv #	1
74) 1,2,4-Trimethylbenzene	16.78	105	19787	0.048	ppbv #	67

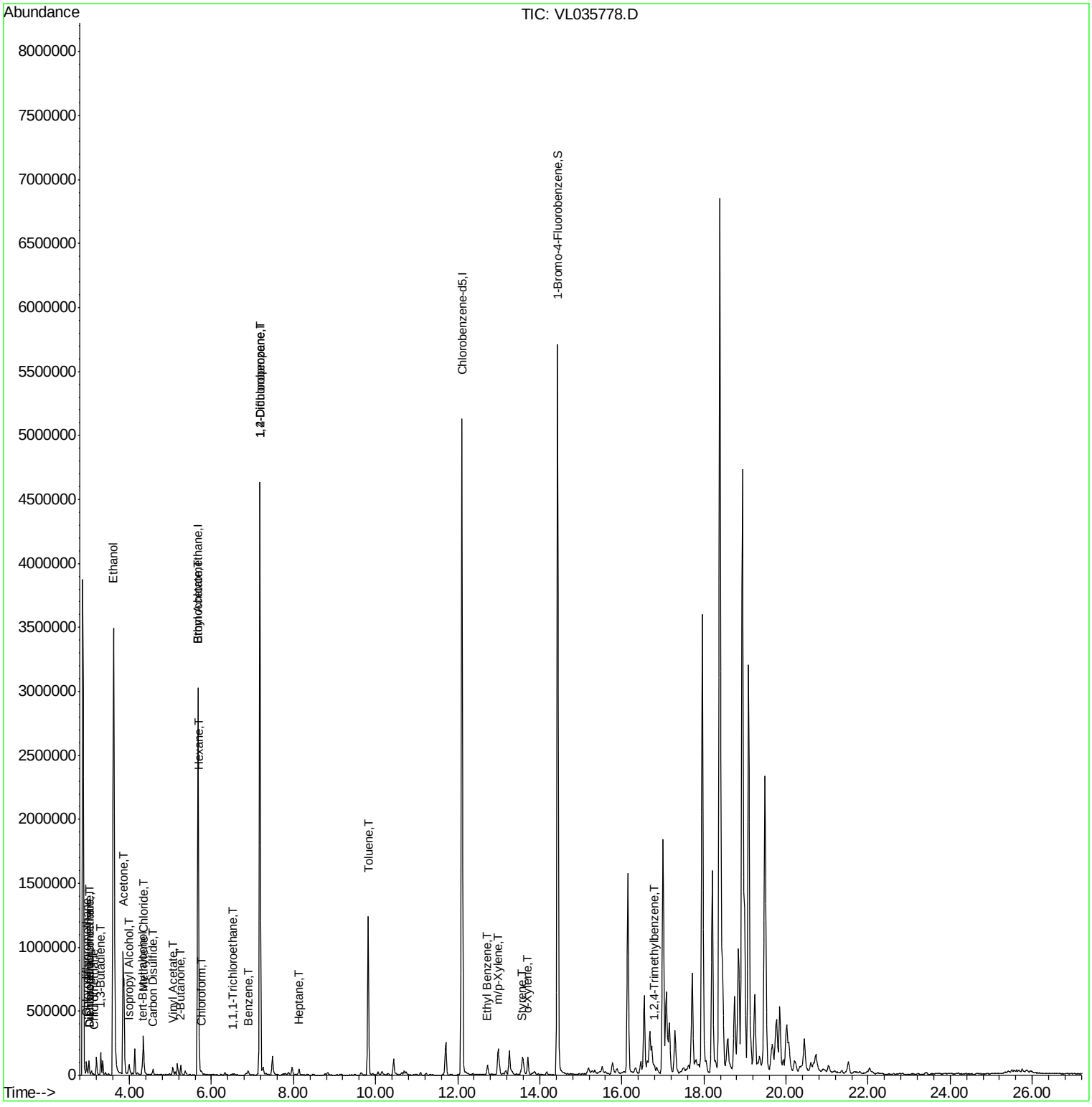
(#) = qualifier out of range (m) = manual integration (+) = signals summed

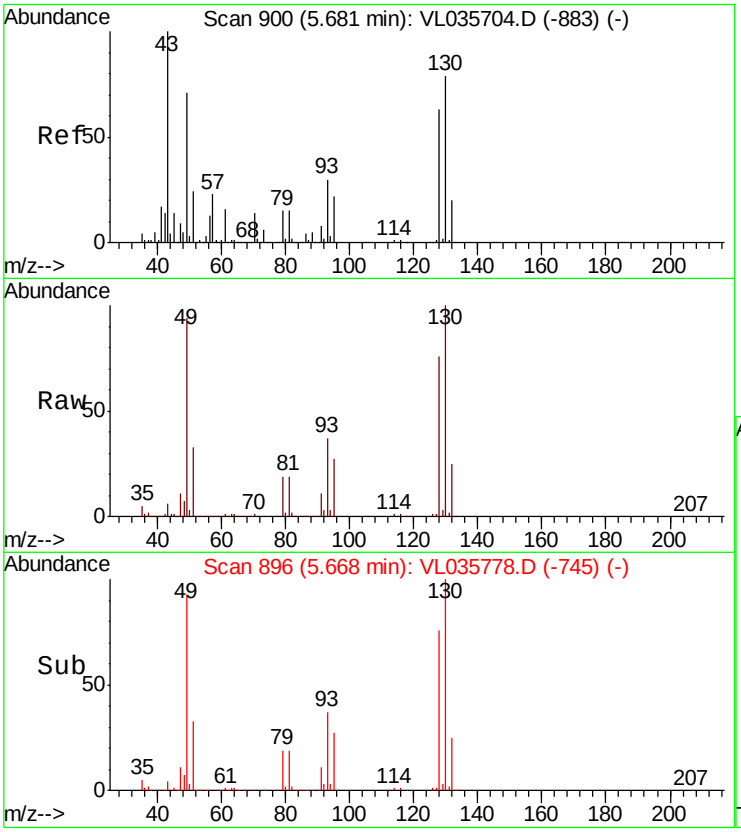
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035778.D
Acq On : 13 Oct 2020 1:29
Operator : SY/AP
Sample : L4347-01DL 20X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1DL

Quant Time: Oct 13 02:04:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration



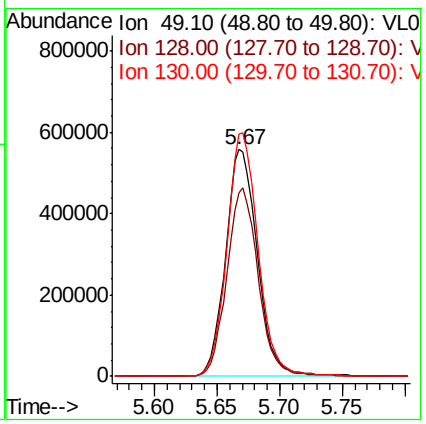


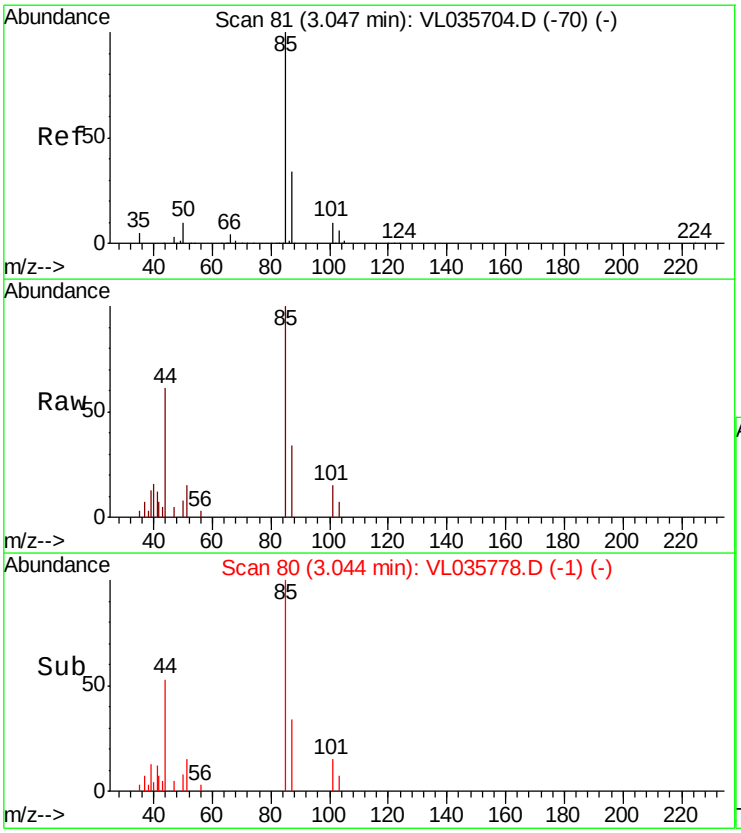
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tgt Ion: 49 Resp: 988525

Ion	Ratio	Lower	Upper
49	100		
128	82.1	43.1	129.4
130	105.6	54.9	164.7

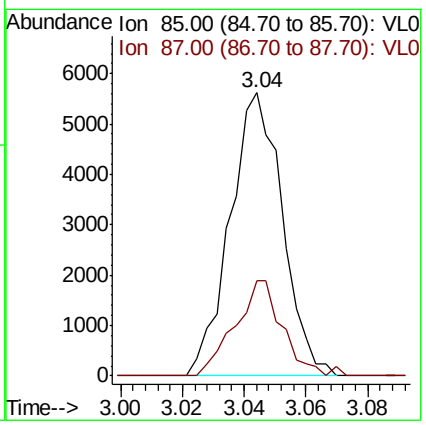


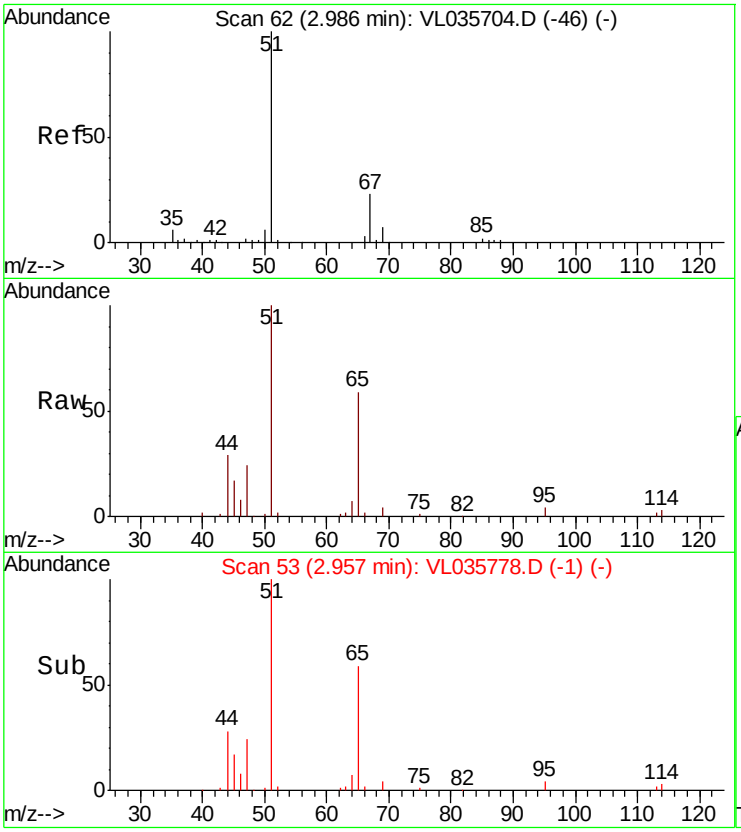


#2
Dichlorodifluoromethane
Concen: 0.041 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 85 Resp: 6597

Ion	Ratio	Lower	Upper
85	100		
87	33.6	27.3	40.9



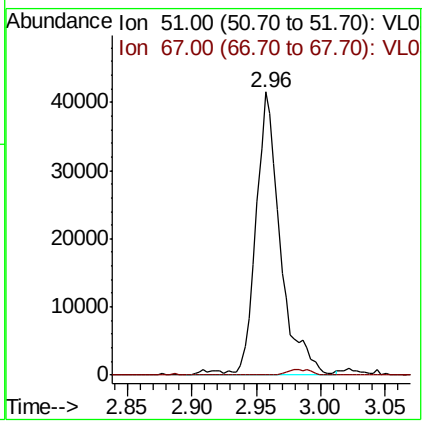


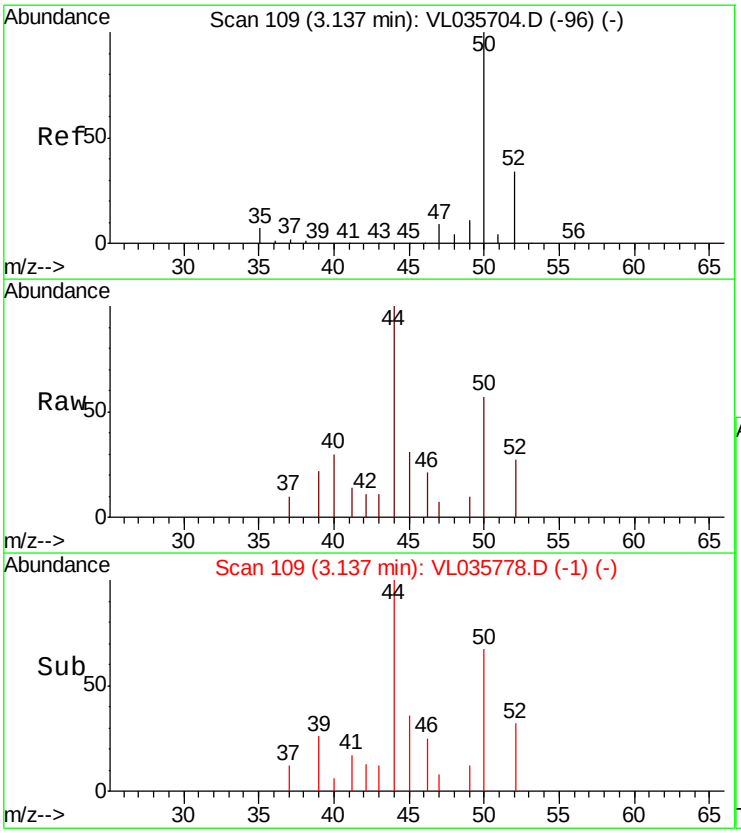
#3
Chlorodifluoromethane
Concen: 0.522 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.03 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tgt Ion: 51 Resp: 55532

Ion	Ratio	Lower	Upper
51	100		
67	1.9	17.8	26.8#

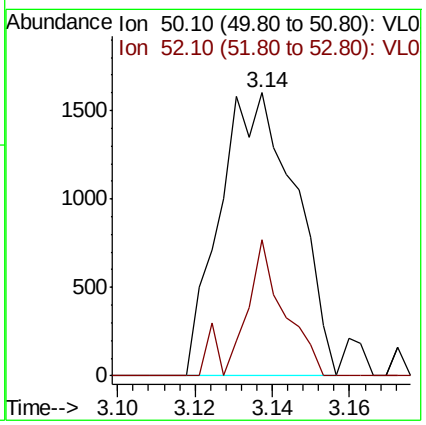


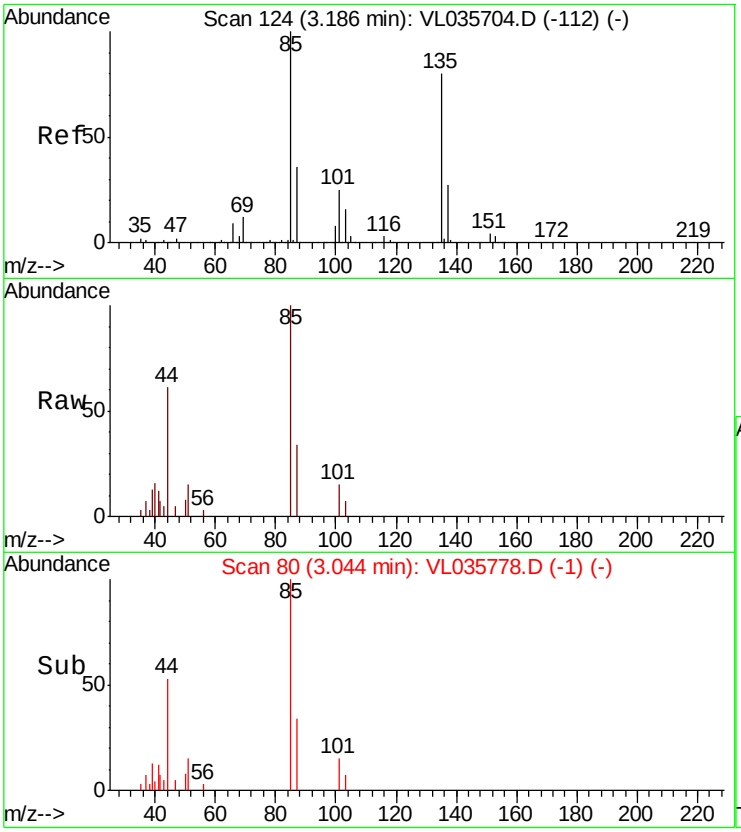


#4
Chloromethane
Concen: 0.038 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 50 Resp: 2181

Ion	Ratio	Lower	Upper
50	100		
52	48.1	26.8	40.2#



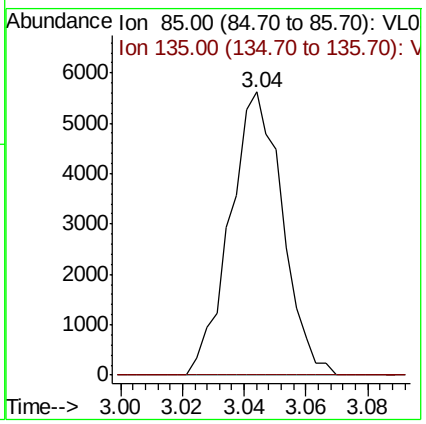


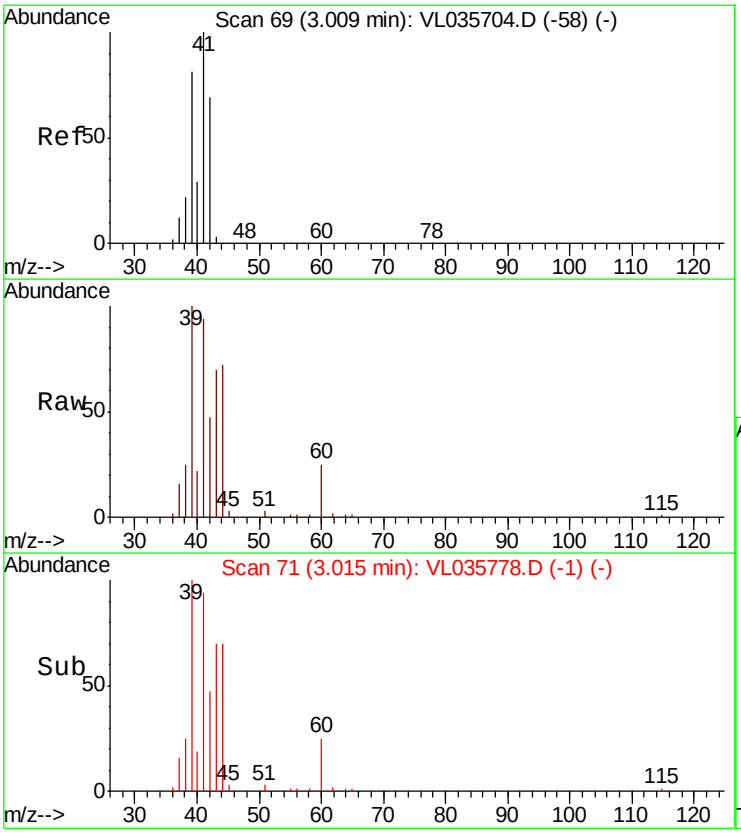
#8
Dichlorotetrafluoroethane
Concen: 0.034 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.14 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tgt Ion: 85 Resp: 6597

Ion	Ratio	Lower	Upper
85	100		
135	0.0	64.3	96.5#

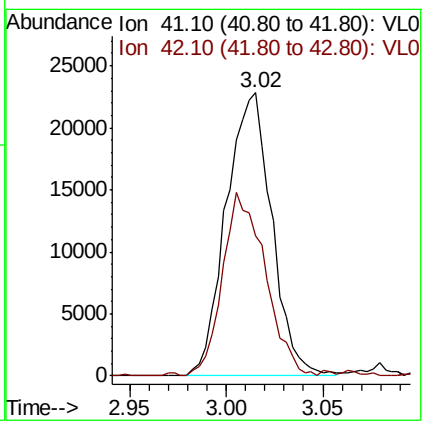


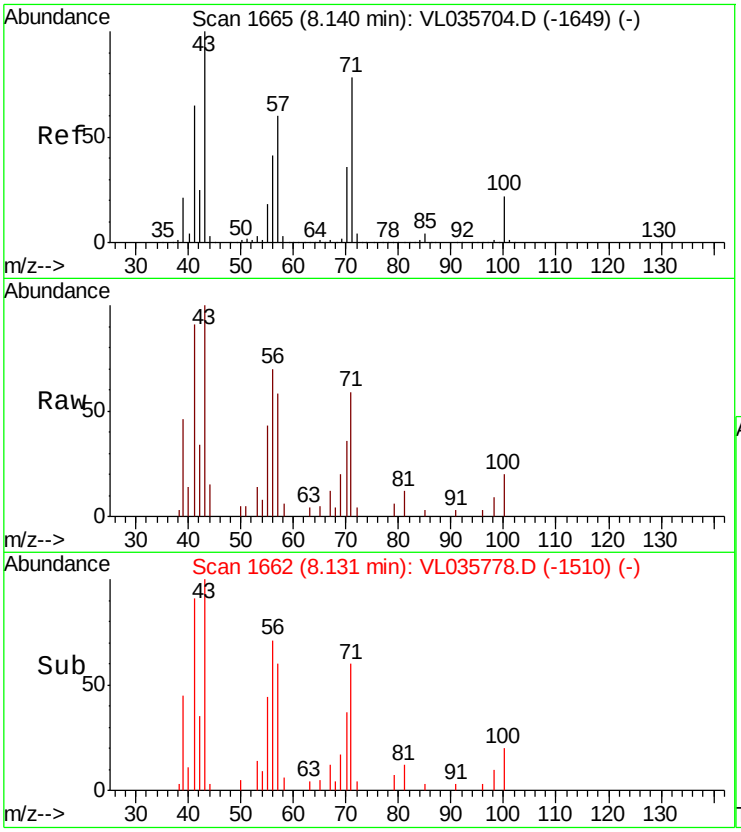


#9
Propene
Concen: 0.971 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 41 Resp: 37477

Ion	Ratio	Lower	Upper
41	100		
42	62.1	56.2	84.4

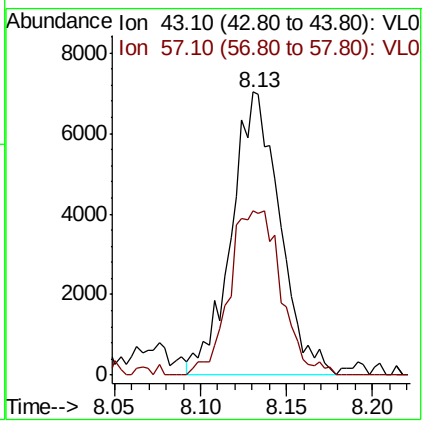




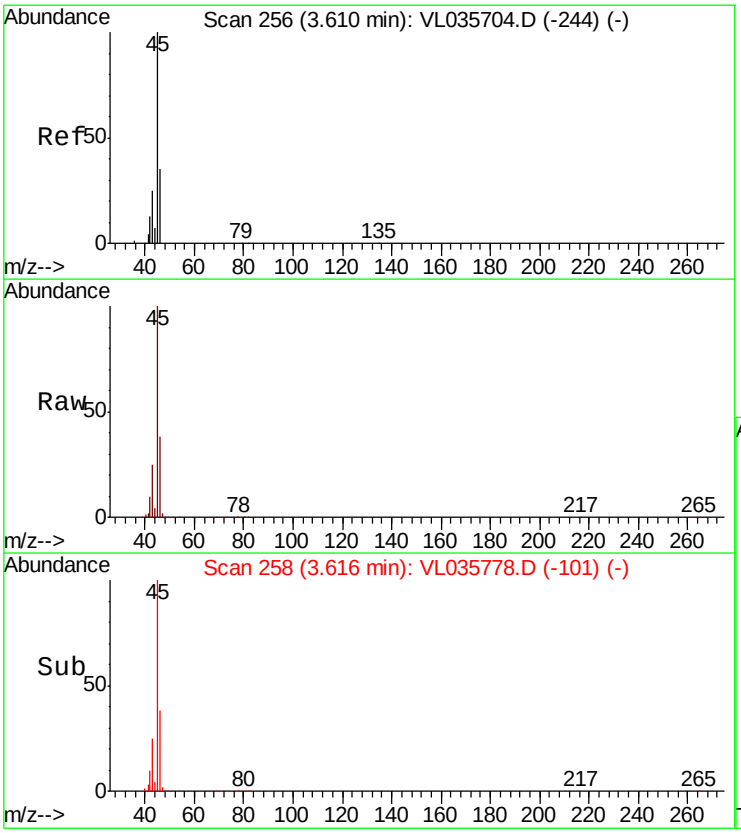
#10
Heptane
Concen: 0.127 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 43 Resp: 13719

Ion	Ratio	Lower	Upper
43	100		
57	62.4	50.4	75.6



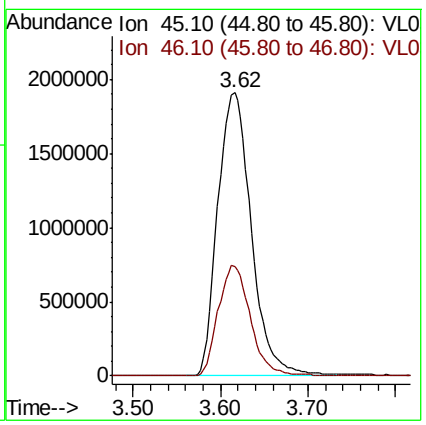
Instrument :
MSVOA_L
ClientSampleId :
1DL

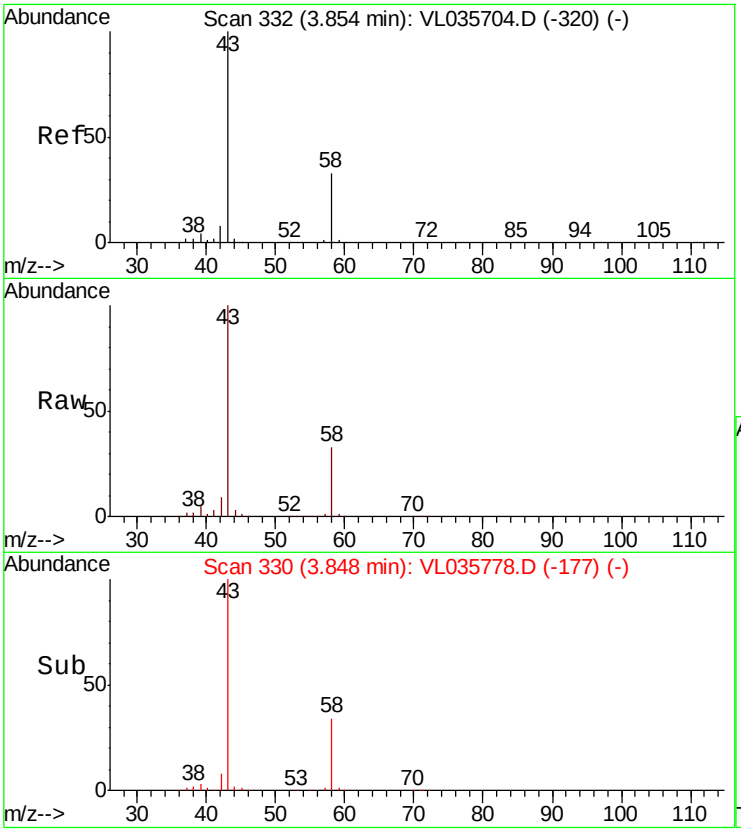


#13
Ethanol
Concen: 535.114 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 45 Resp: 5095464

Ion	Ratio	Lower	Upper
45	100		
46	37.8	14.7	58.7



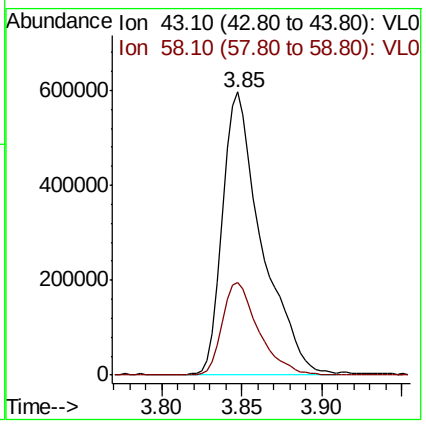


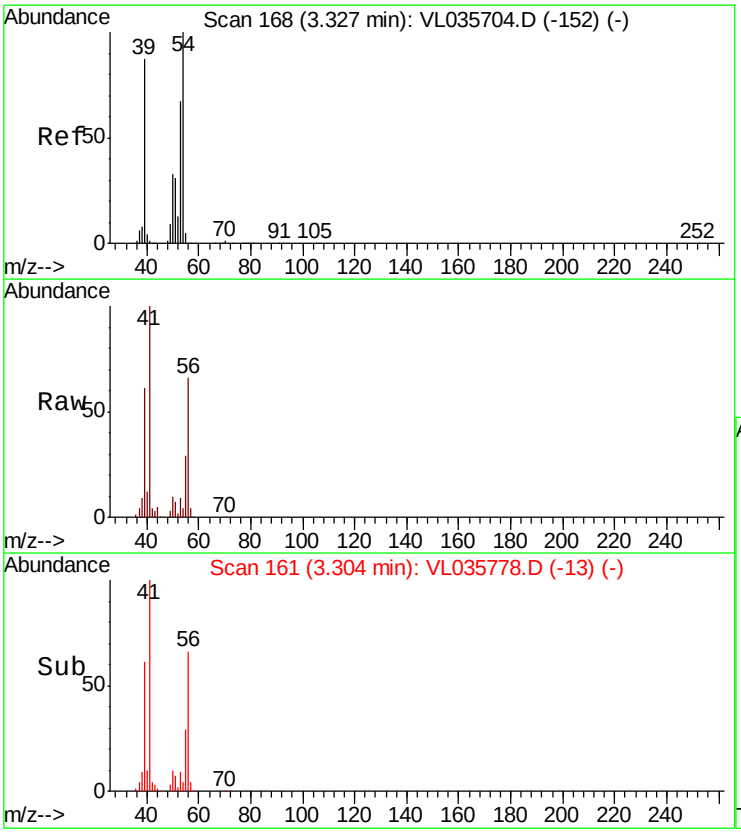
#15
Acetone
Concen: 9.407 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument : MSVOA_L
ClientSampleId : 1DL

Tgt Ion: 43 Resp: 1000599

Ion	Ratio	Lower	Upper
43	100		
58	30.7	27.3	40.9

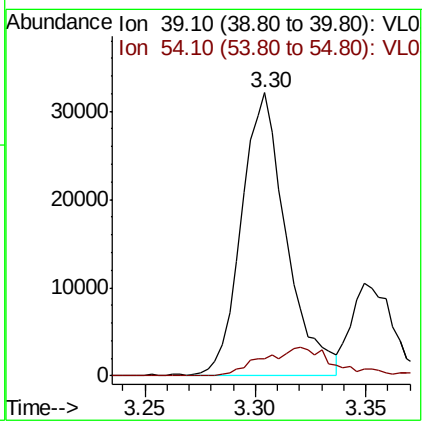


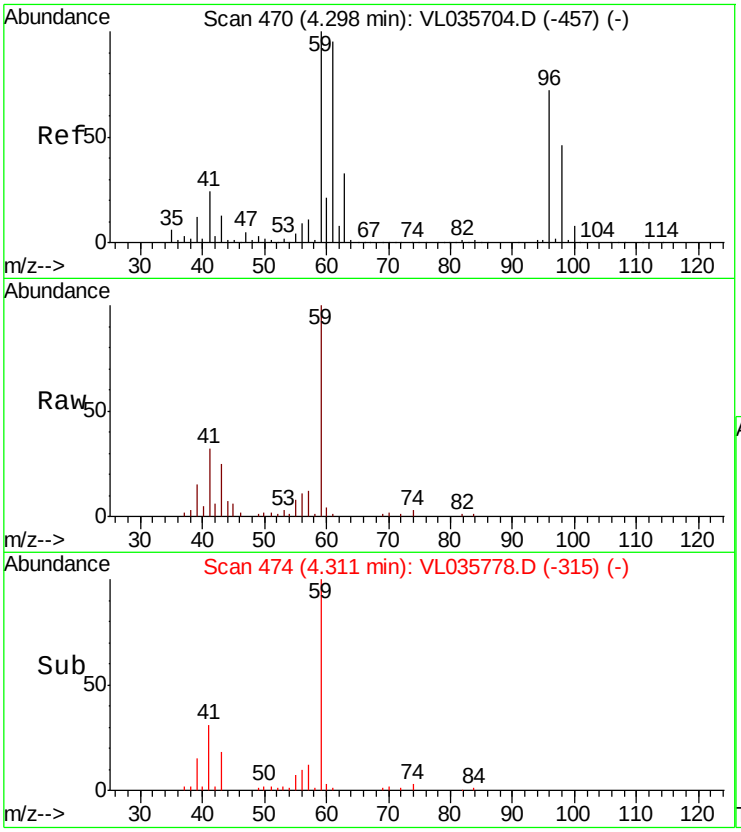


#16
1,3-Butadiene
Concen: 1.168 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 39 Resp: 45457

Ion	Ratio	Lower	Upper
39	100		
54	16.3	87.4	131.0#



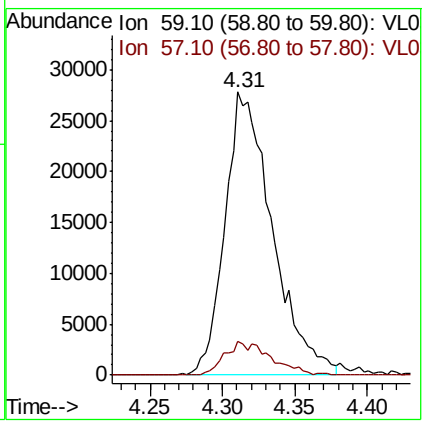


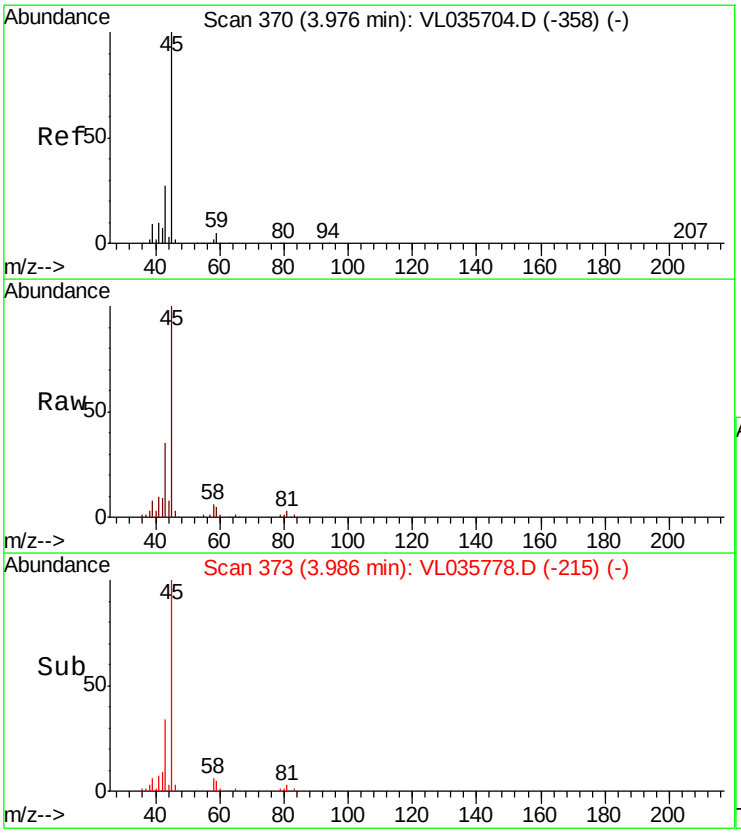
#17
tert-Butyl alcohol
Concen: 0.544 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 59 Resp: 63012

Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.5	12.7

Instrument :
MSVOA_L
ClientSampleId :
1DL

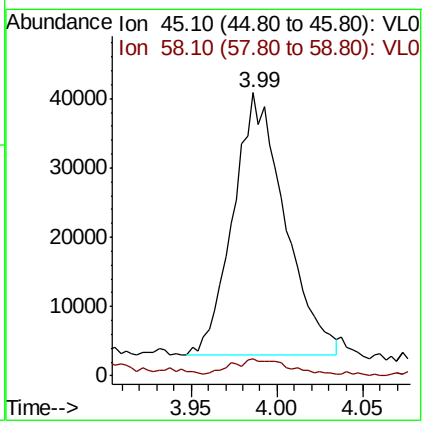


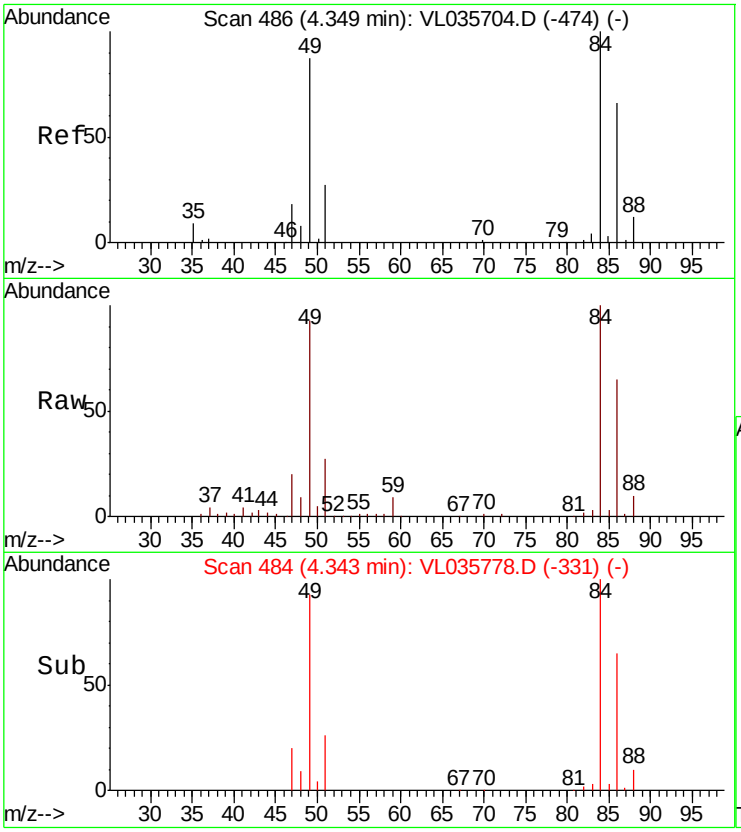


#19
Isopropyl Alcohol
Concen: 1.372 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 45 Resp: 79397

Ion	Ratio	Lower	Upper
45	100		
58	387.4	2.8	4.2#



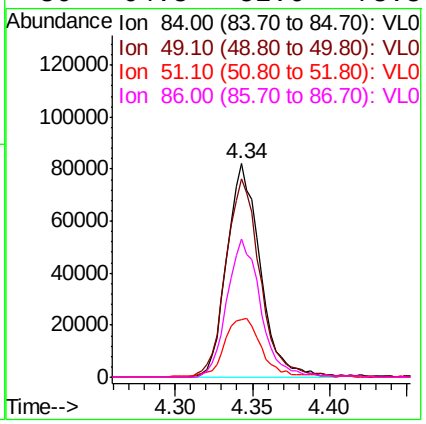


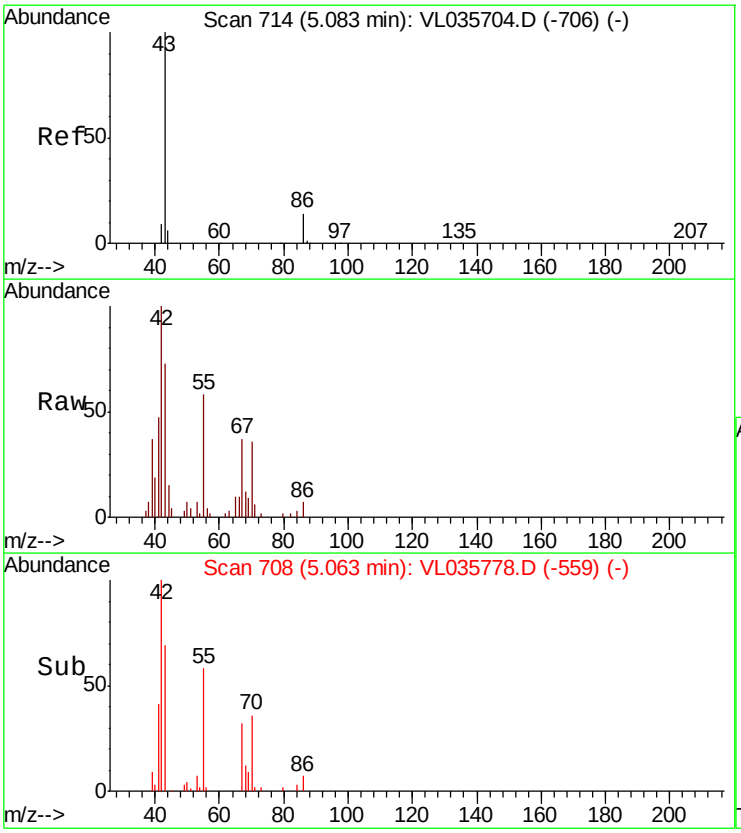
#20
Methylene Chloride
Concen: 1.573 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument : MSVOA_L
ClientSampleId : 1DL

Tgt Ion: 84 Resp: 122906

Ion	Ratio	Lower	Upper
84	100		
49	92.5	69.8	104.6
51	26.8	21.8	32.8
86	64.8	52.6	78.8

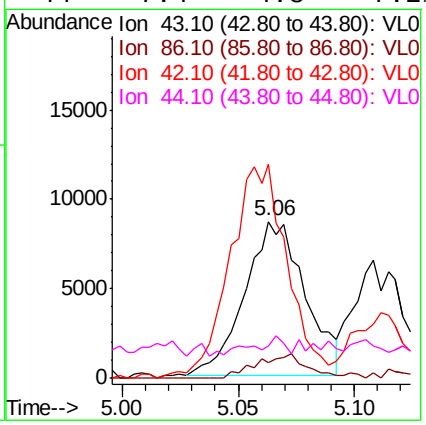


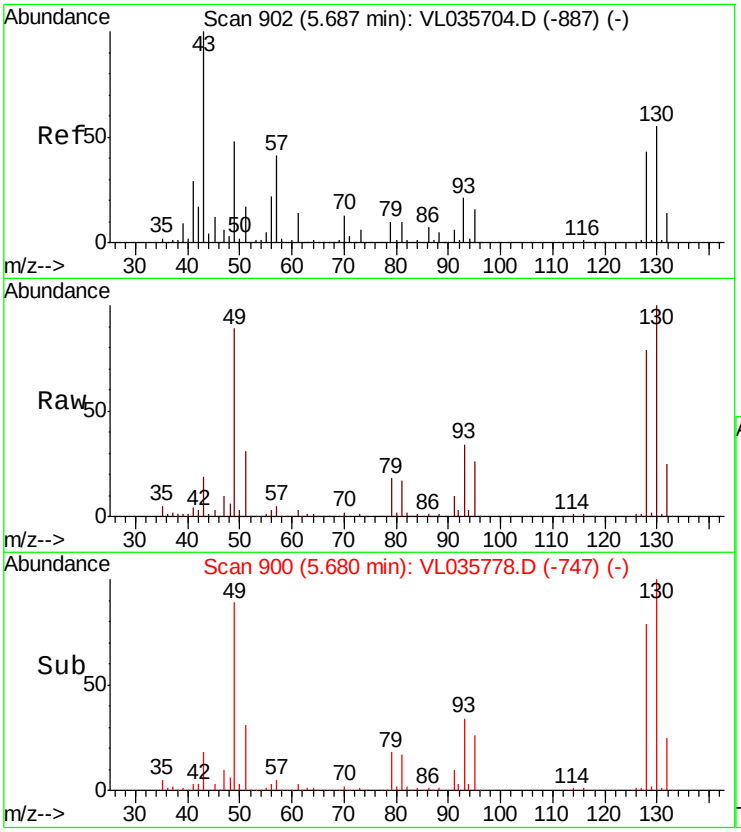


#23
Vinyl Acetate
Concen: 0.119 ppbv
RT: 5.06 min Scan# 708
Delta R.T. -0.02 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 43 Resp: 15509

Ion	Ratio	Lower	Upper
43	100		
86	9.7	9.7	14.5
42	135.7	7.9	11.9#
44	7.4	4.8	7.2#



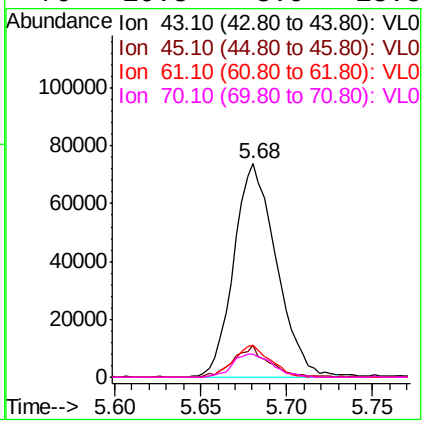


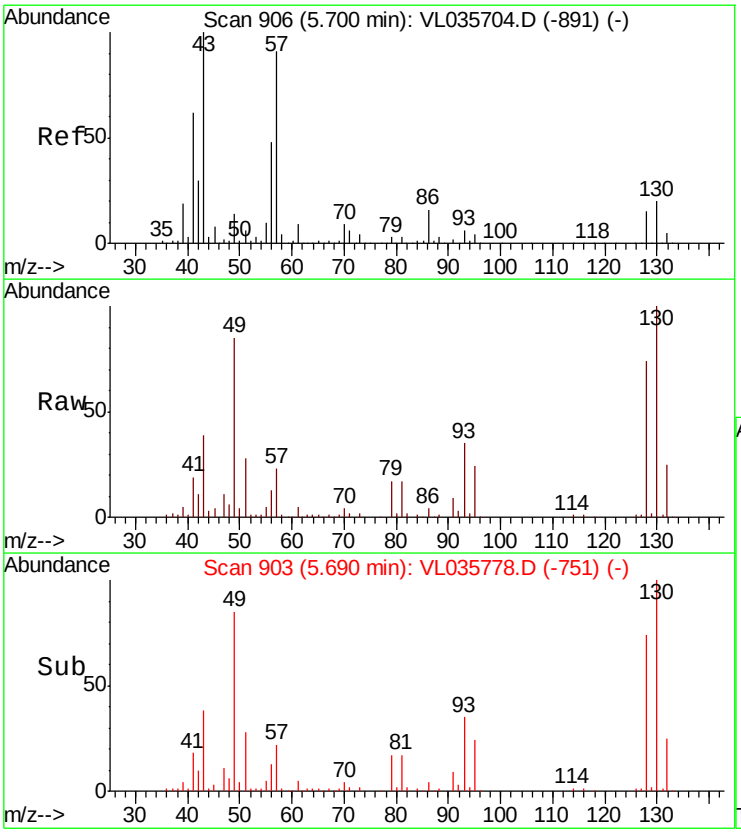
#25
Ethyl Acetate
Concen: 0.666 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument : MSVOA_L
ClientSampleId : 1DL

Tgt Ion: 43 Resp: 127536

Ion	Ratio	Lower	Upper
43	100		
45	12.4	8.6	12.8
61	12.9	10.4	15.6
70	10.3	8.9	13.3

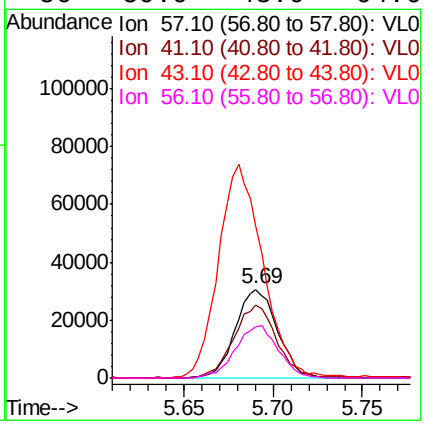


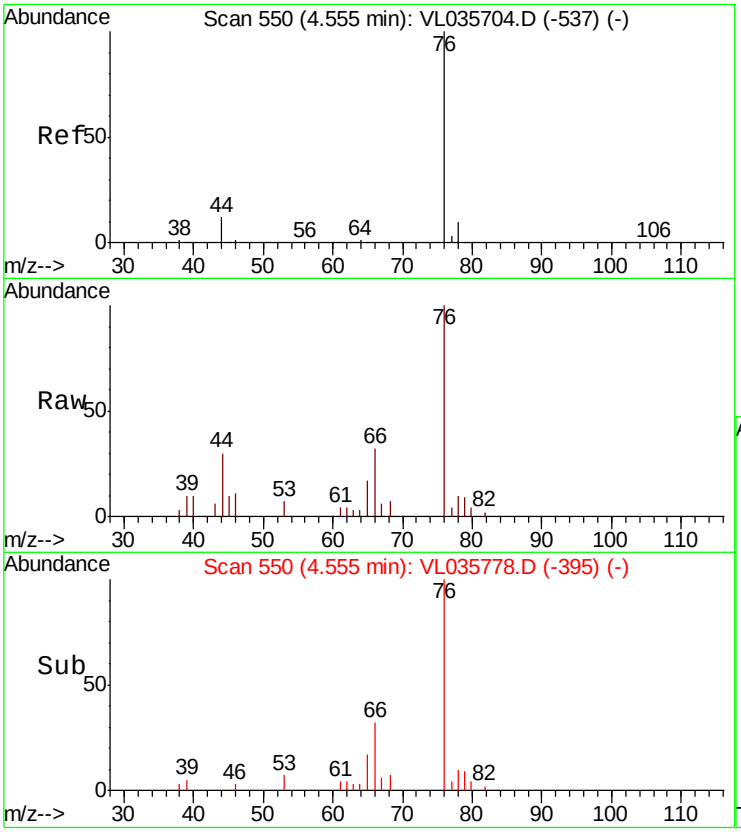


#26
Hexane
Concen: 0.481 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 57 Resp: 50401

Ion	Ratio	Lower	Upper
57	100		
41	84.6	57.9	86.9
43	256.7	143.8	215.6#
56	59.9	43.0	64.6



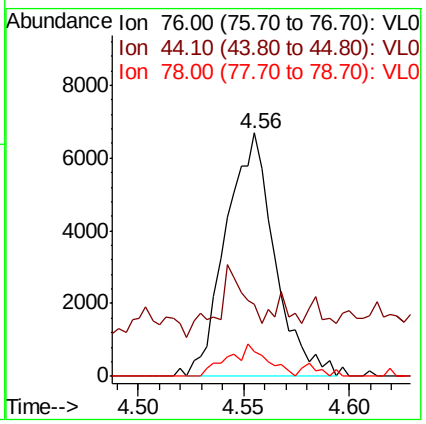


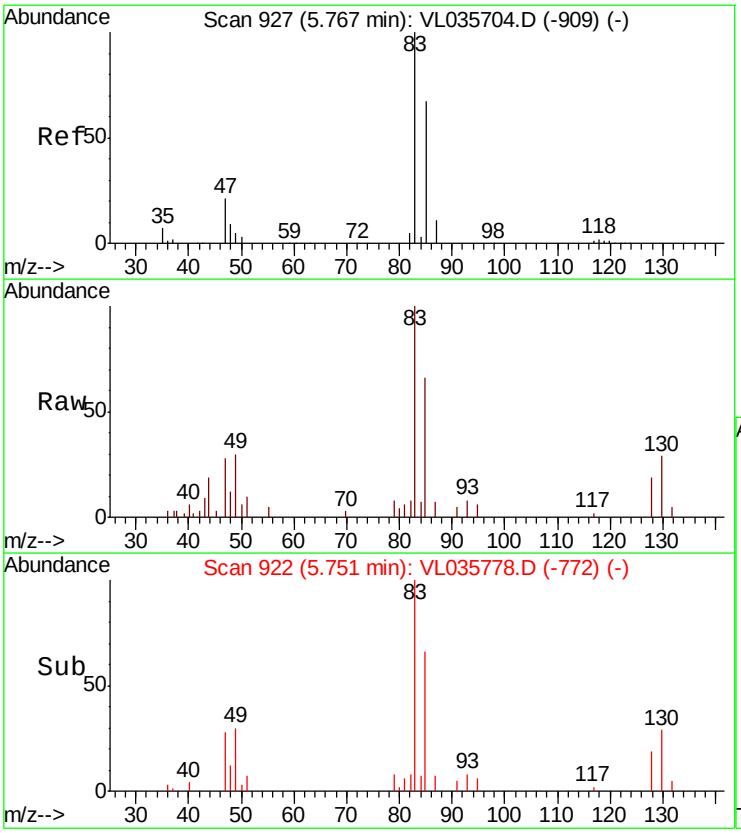
#27
Carbon Disulfide
Concen: 0.068 ppbv
RT: 4.56 min Scan# 550
Delta R.T. -0.00 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tgt Ion: 76 Resp: 10705

Ion	Ratio	Lower	Upper
76	100		
44	33.6	9.7	14.5#
78	12.5	7.8	11.8#

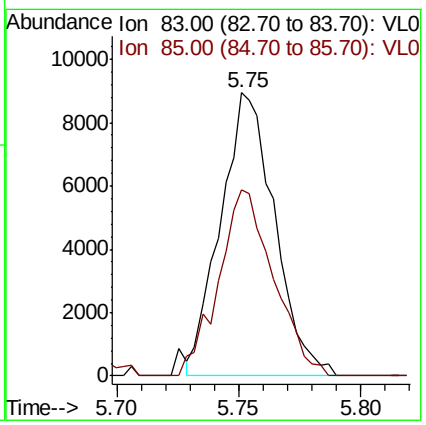


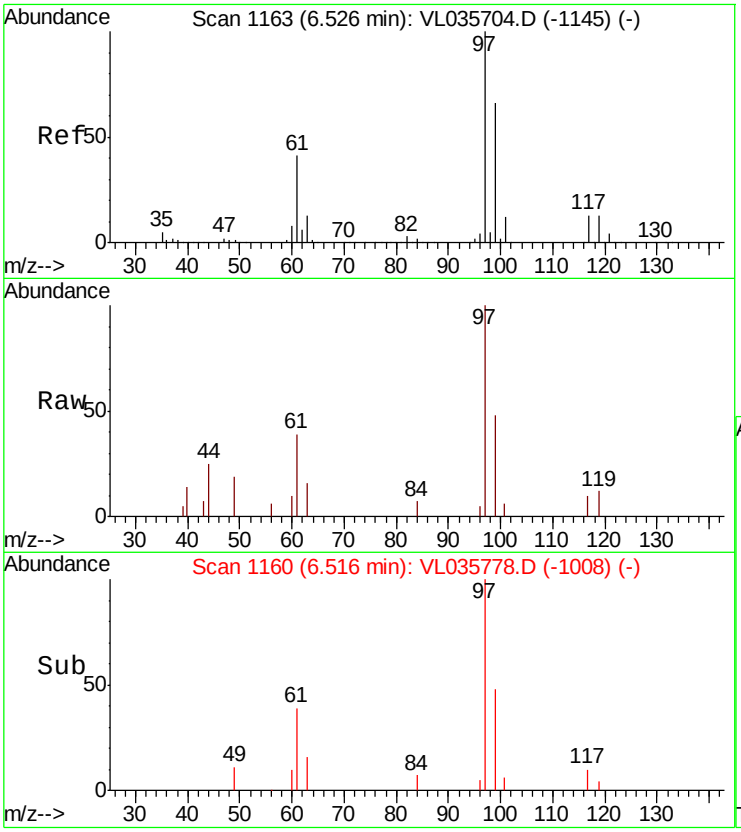


#29
Chloroform
Concen: 0.065 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.02 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 83 Resp: 13792

Ion	Ratio	Lower	Upper
83	100		
85	65.6	54.0	81.0



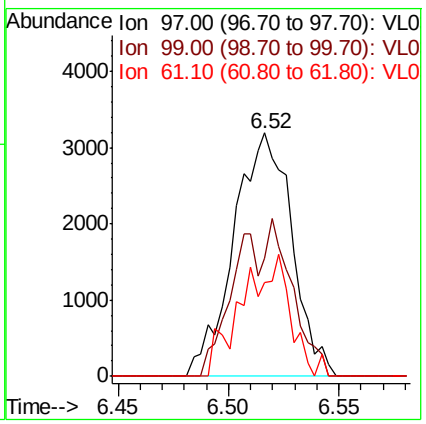


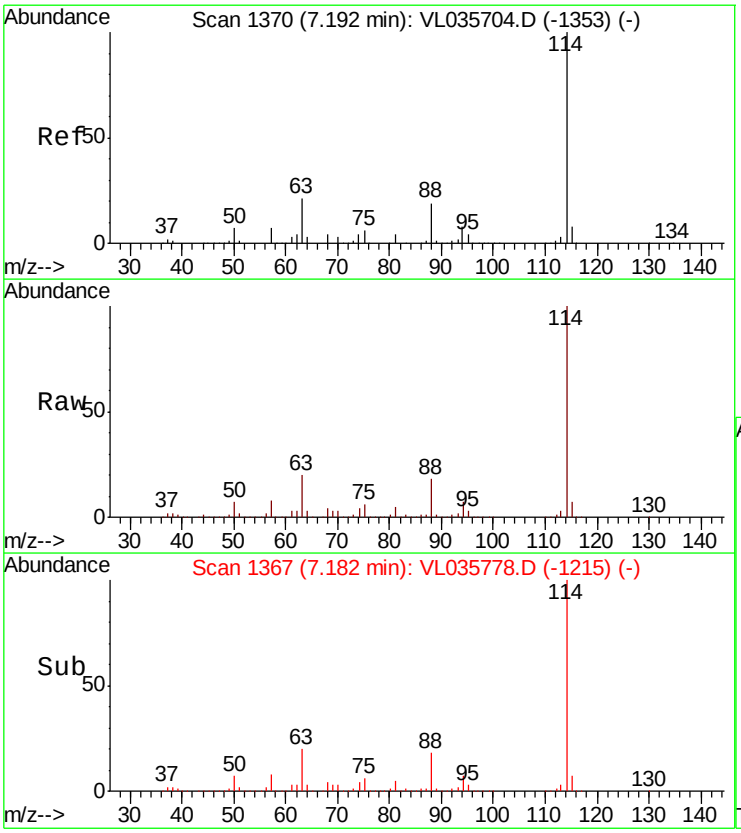
#32
1,1,1-Trichloroethane
Concen: 0.031 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tgt Ion: 97 Resp: 5820

Ion	Ratio	Lower	Upper
97	100		
99	61.8	52.7	79.1
61	41.8	32.7	49.1

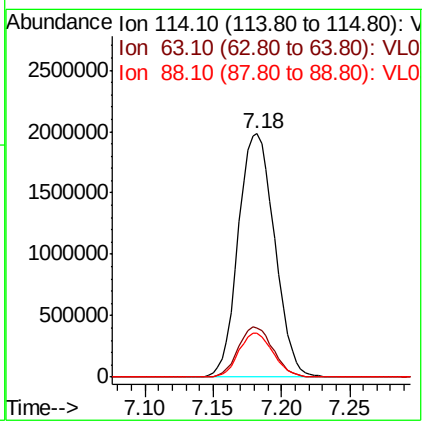


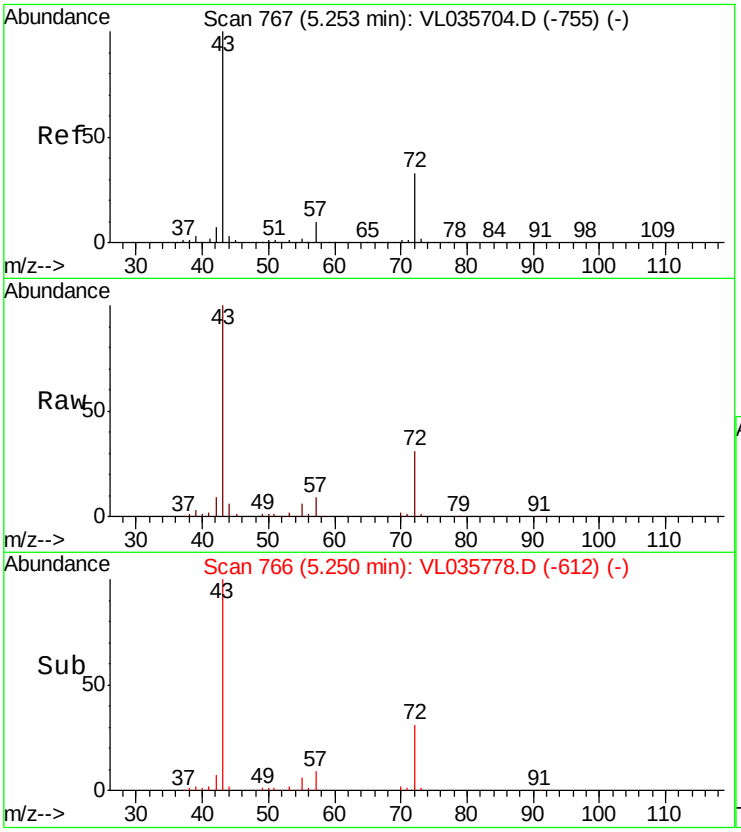


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion:114 Resp: 3675191

Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	17.2	14.1	21.1



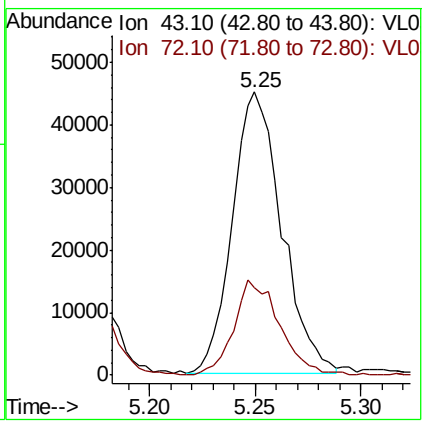


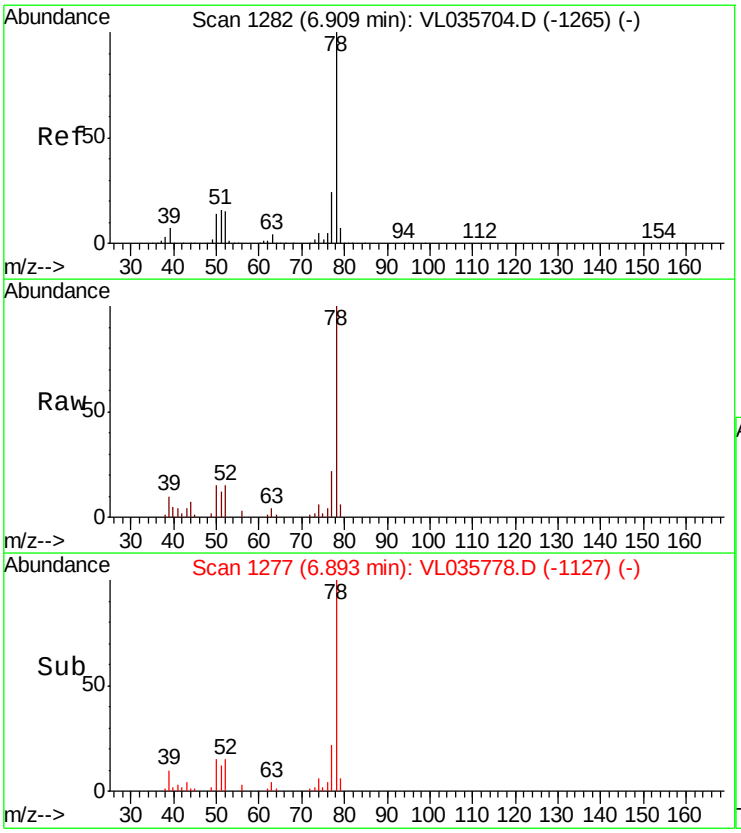
#34
2-Butanone
Concen: 0.599 ppbv
RT: 5.25 min Scan# 766
Delta R.T. -0.00 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tgt Ion: 43 Resp: 72769

Ion	Ratio	Lower	Upper
43	100		
72	31.5	26.1	39.1

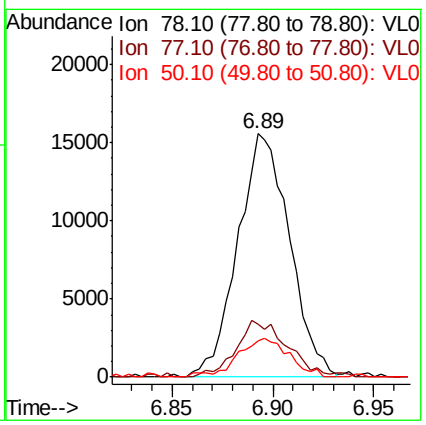


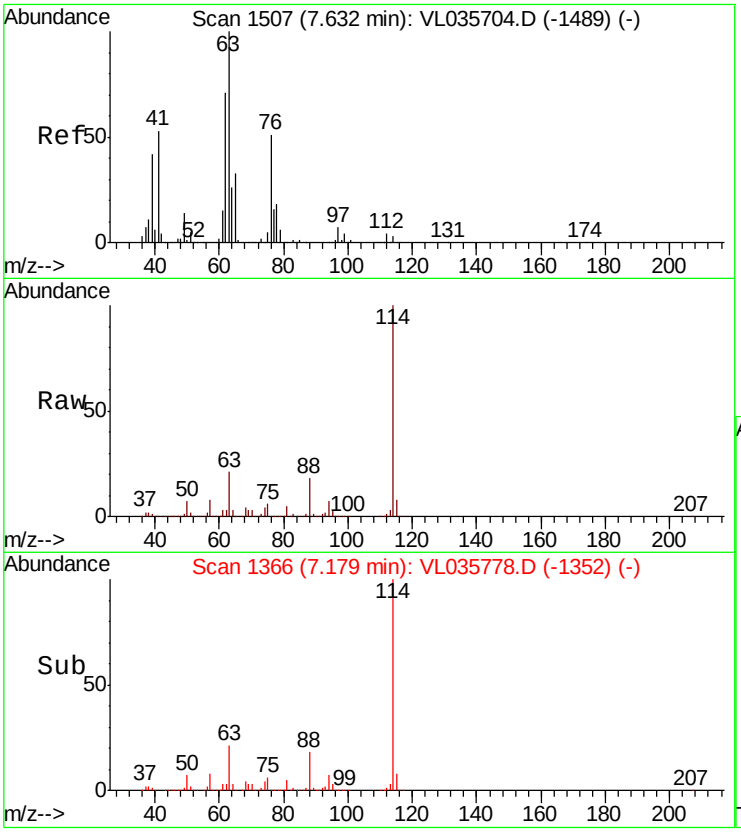


#36
Benzene
Concen: 0.117 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 78 Resp: 28004

Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.3	28.9
50	14.9	11.6	17.4



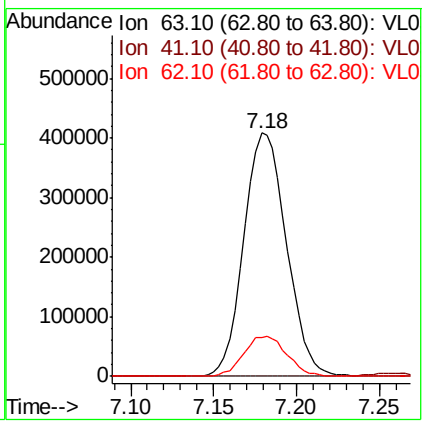


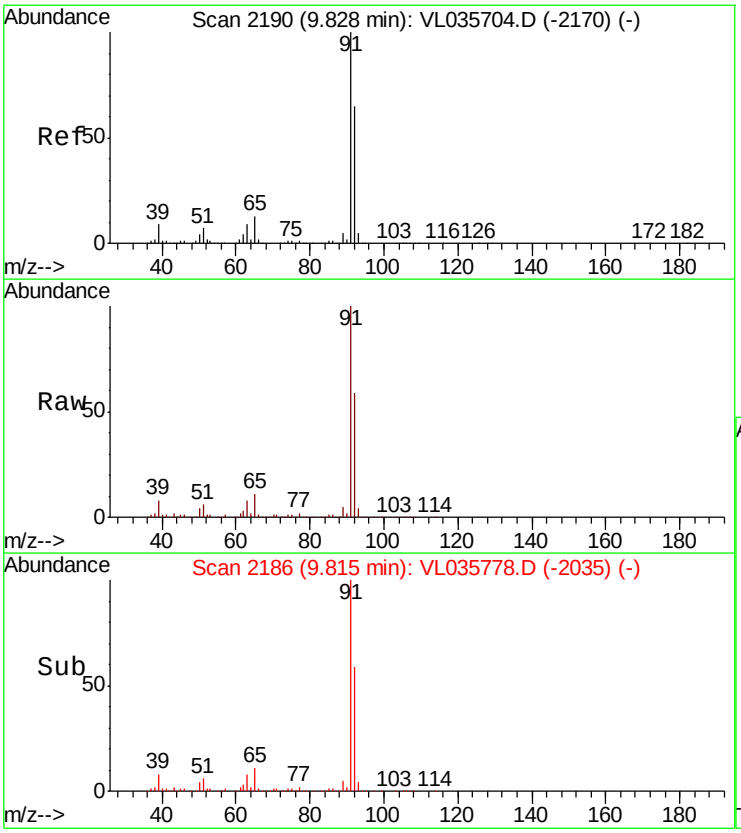
#39
1,2-Dichloropropane
Concen: 8.402 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.45 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tgt Ion: 63 Resp: 729268

Ion	Ratio	Lower	Upper
63	100		
41	0.0	42.6	63.8#
62	16.2	56.5	84.7#

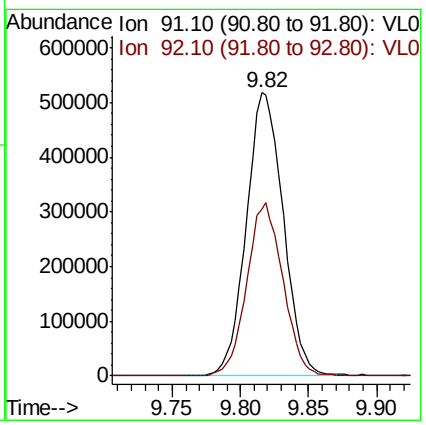


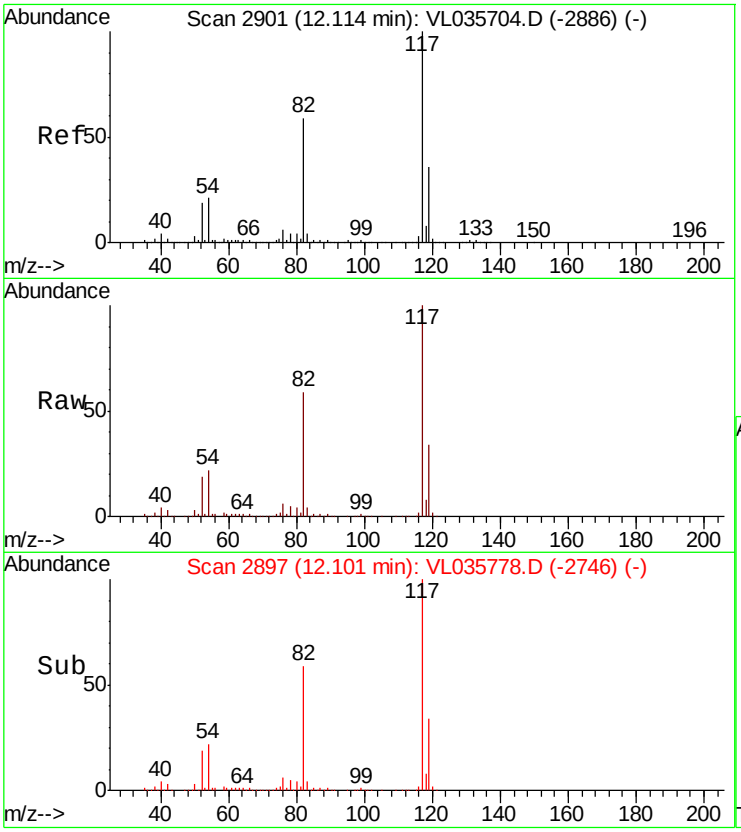


#53
Toluene
Concen: 3.446 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 91 Resp: 973163

Ion	Ratio	Lower	Upper
91	100		
92	60.2	50.0	75.0



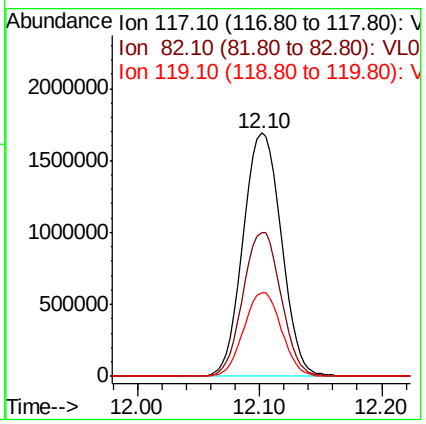


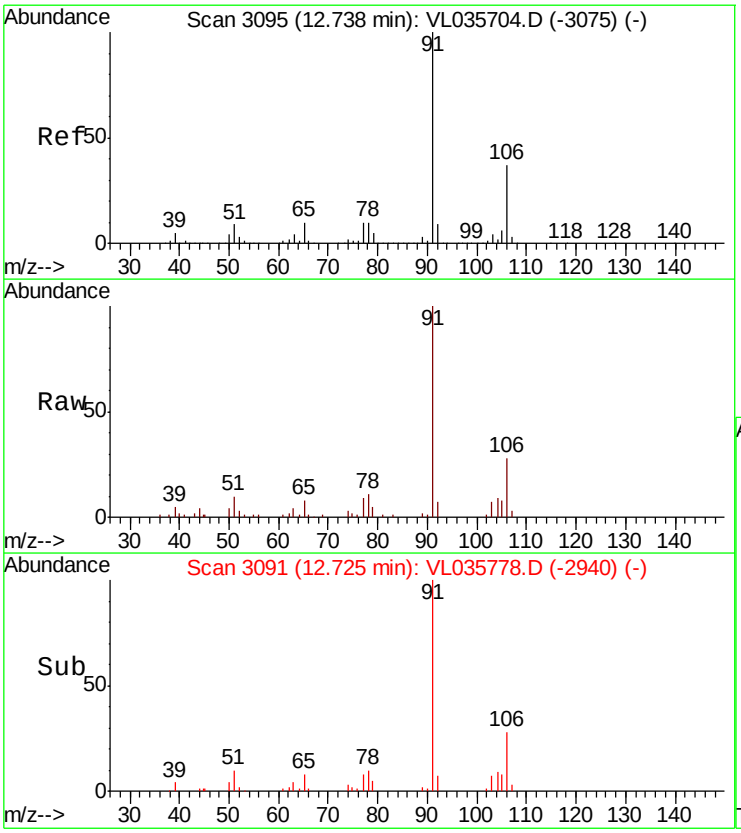
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument : MSVOA_L
ClientSampleId : 1DL

Tgt Ion:117 Resp: 3675255

Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.1	69.1
119	34.0	28.0	42.0

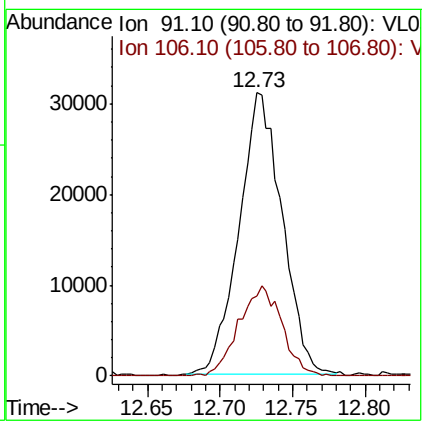


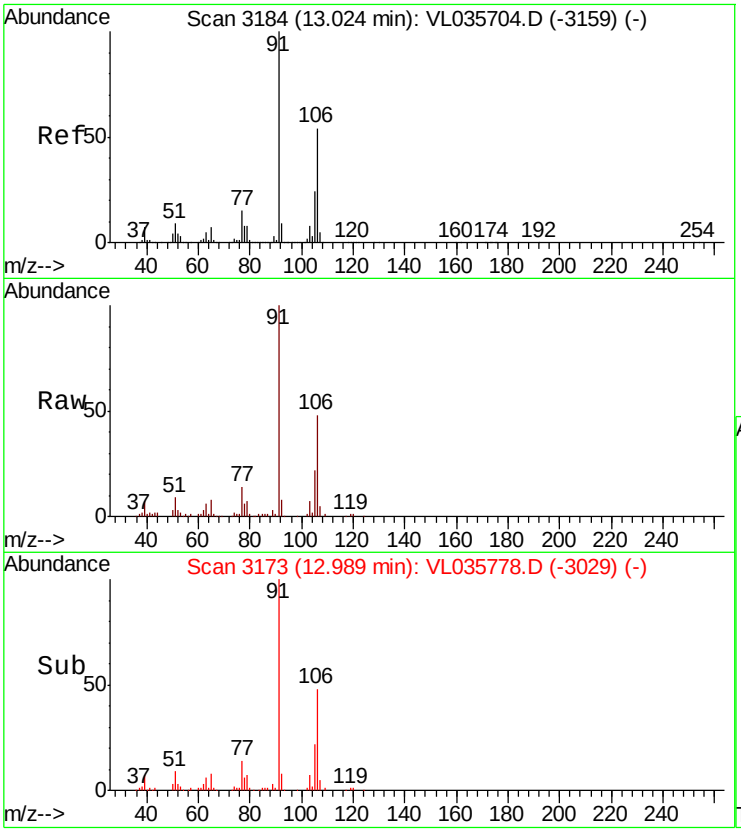


#58
Ethyl Benzene
Concen: 0.173 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 91 Resp: 63693

Ion	Ratio	Lower	Upper
91	100		
106	28.5	29.7	44.5#



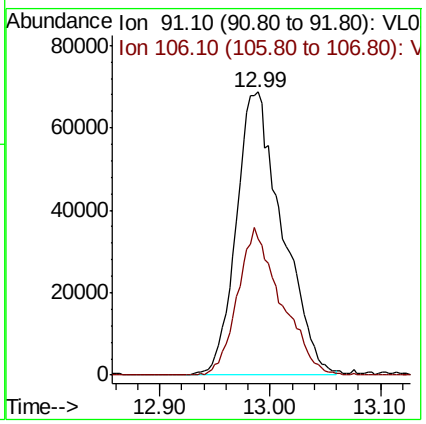


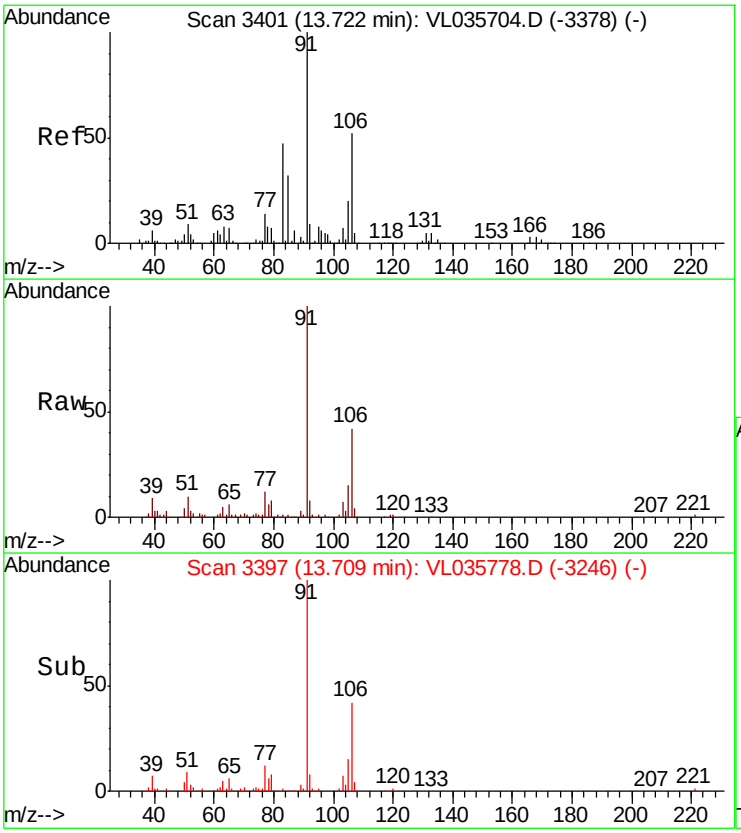
#59
m/p-Xylene
Concen: 0.618 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.04 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument : MSVOA_L
ClientSampleId : 1DL

Tgt Ion: 91 Resp: 199082

Ion	Ratio	Lower	Upper
91	100		
106	49.1	41.4	62.0

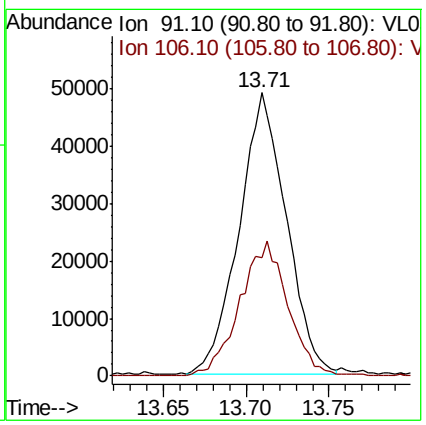


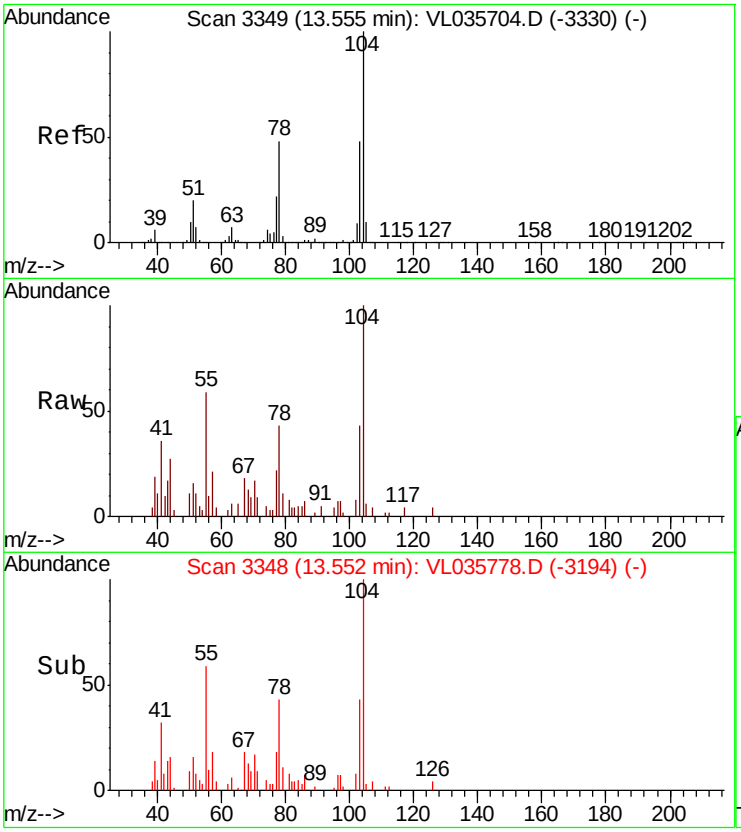


#60
o-Xylene
Concen: 0.297 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 91 Resp: 96729

Ion	Ratio	Lower	Upper
91	100		
106	48.8	25.0	75.0



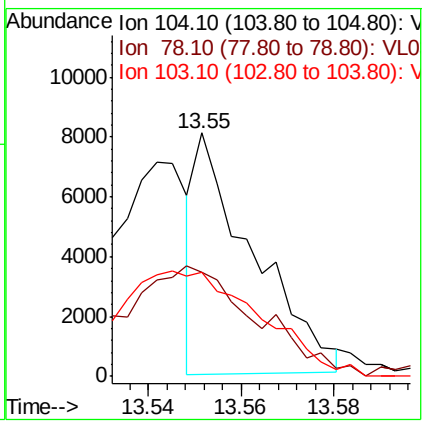


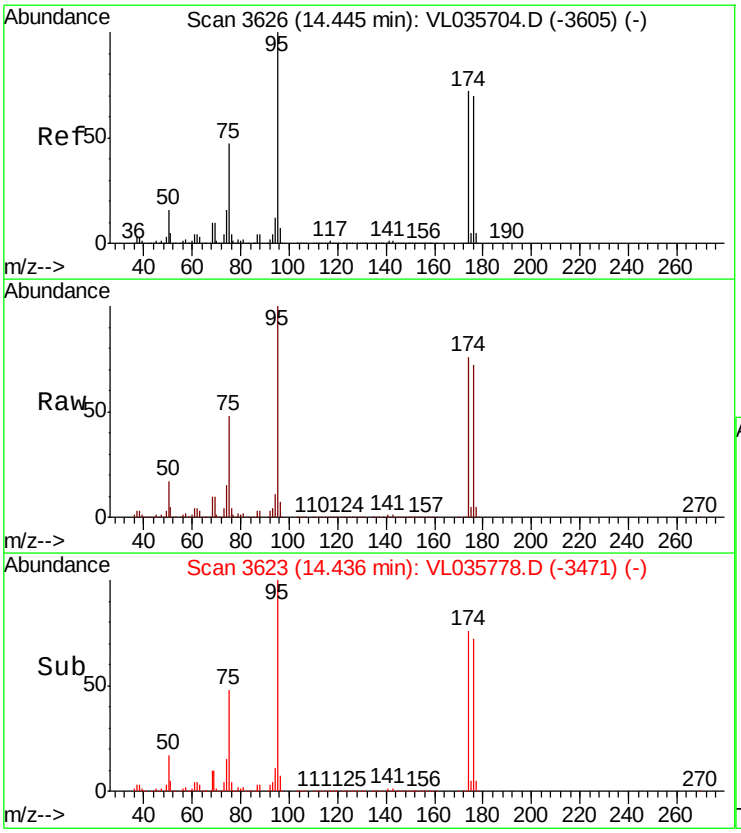
#61
Stvrene
Concen: 0.031 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tgt Ion:104 Resp: 6921

Ion	Ratio	Lower	Upper
104	100		
78	128.9	37.2	55.8#
103	116.4	38.2	57.2#

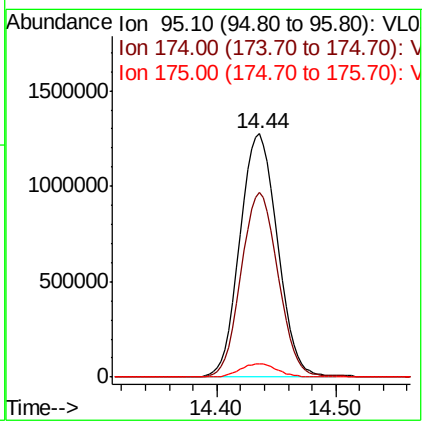


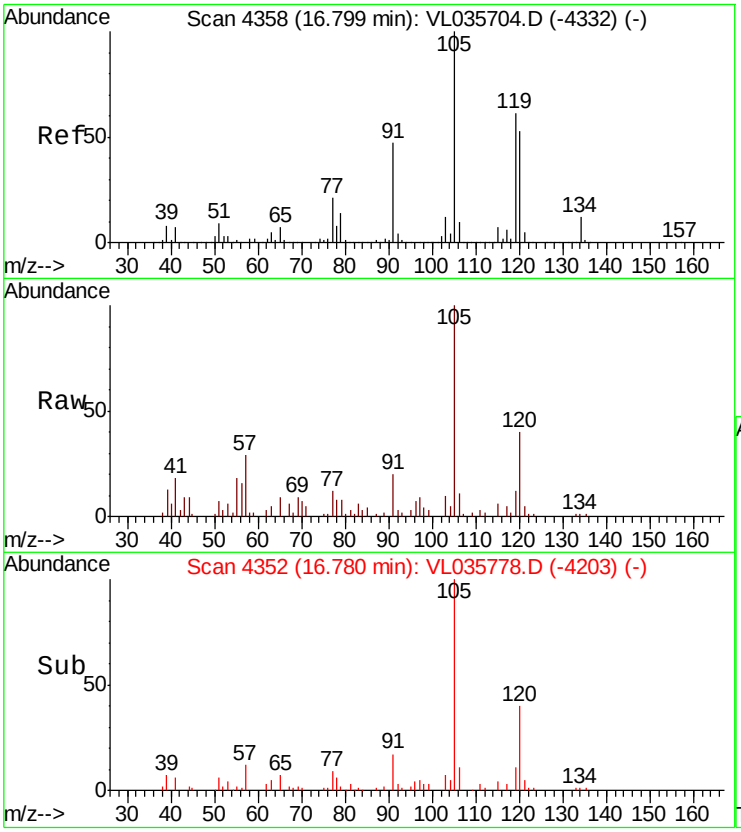


#68
1-Bromo-4-Fluorobenzene
Concen: 10.168 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 95 Resp: 2800254

Ion	Ratio	Lower	Upper
95	100		
174	75.2	59.6	89.4
175	5.4	4.2	6.4





#74
1,2,4-Trimethylbenzene
Concen: 0.048 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. -0.02 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tgt Ion:105 Resp: 19787

Ion	Ratio	Lower	Upper
105	100		
120	39.2	42.5	63.7#
91	14.9	37.7	56.5#
77	5.6	16.7	25.1#