Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080620\
Data File : VL035357.D
Acq On : 6 Aug 2020 19:50
Operator : SY/AP
Sample : L3554-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Aug 07 06:29:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1369148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3443806	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	3213593	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2698700	10.07	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.00	85	52306	0.287	ppbv #	84
3) Chlorodifluoromethane	2.94	51	73003	0.467	ppbv #	85
4) Chloromethane	3.09	50	49239	0.556	ppbv	95
9) Propene	3.16	41	3549034	63.726	ppbv	97
10) Heptane	8.12	43	6083	0.043	ppbv #	1
11) Trichlorofluoromethane	3.91	101	51025	0.216	ppbv	87
13) Ethanol	3.56	45	849895	44.247	ppbv	96
15) Acetone	3.81	43	1734646	8.922	ppbv	97
16) 1,3-Butadiene	3.26	39	45084	0.602	ppbv #	51
19) Isopropyl Alcohol	3.93	45	200604	1.628	ppbv #	87
20) Methylene Chloride	4.31	84	283239	3.572	ppbv	90
21) Allyl Chloride	4.33	41	7310	0.066	ppbv #	20
23) Vinyl Acetate	5.03	43	126205	0.677	ppbv #	33
25) Ethyl Acetate	5.66	43	148834	0.504	ppbv #	85
26) Hexane	5.66	57	176541	1.378	ppbv #	45
30) Cyclohexane	7.12	84	4465	0.046	ppbv #	1
34) 2-Butanone	5.21	43	52395	0.309	ppbv #	52
36) Benzene	6.88	78	127899	0.550	ppbv #	93
39) 1,2-Dichloropropane	7.17	63	903250	9.595	ppbv #	21
44) 2,2,4-Trimethylpentane	7.86	57	97326	0.236	ppbv #	23
53) Toluene	9.81	91	940633	3.718	ppbv	98
58) Ethyl Benzene	12.72	91	18624	0.056	ppbv #	85
59) m/p-Xylene	13.02	91	20054	0.064	ppbv #	29
60) o-Xylene	13.71	91	80810	0.262	ppbv	94
61) Styrene	13.55	104	9109	0.048	ppbv #	53
72) 4-Ethyltoluene	15.85	105	12059	0.034	ppbv #	29
73) 1,3,5-Trimethylbenzene	16.02	105	19220	0.057	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	107343	0.278	ppbv #	71
80) Naphthalene,2-methyl-	25.00	142	3111	0.046	ppbv #	36

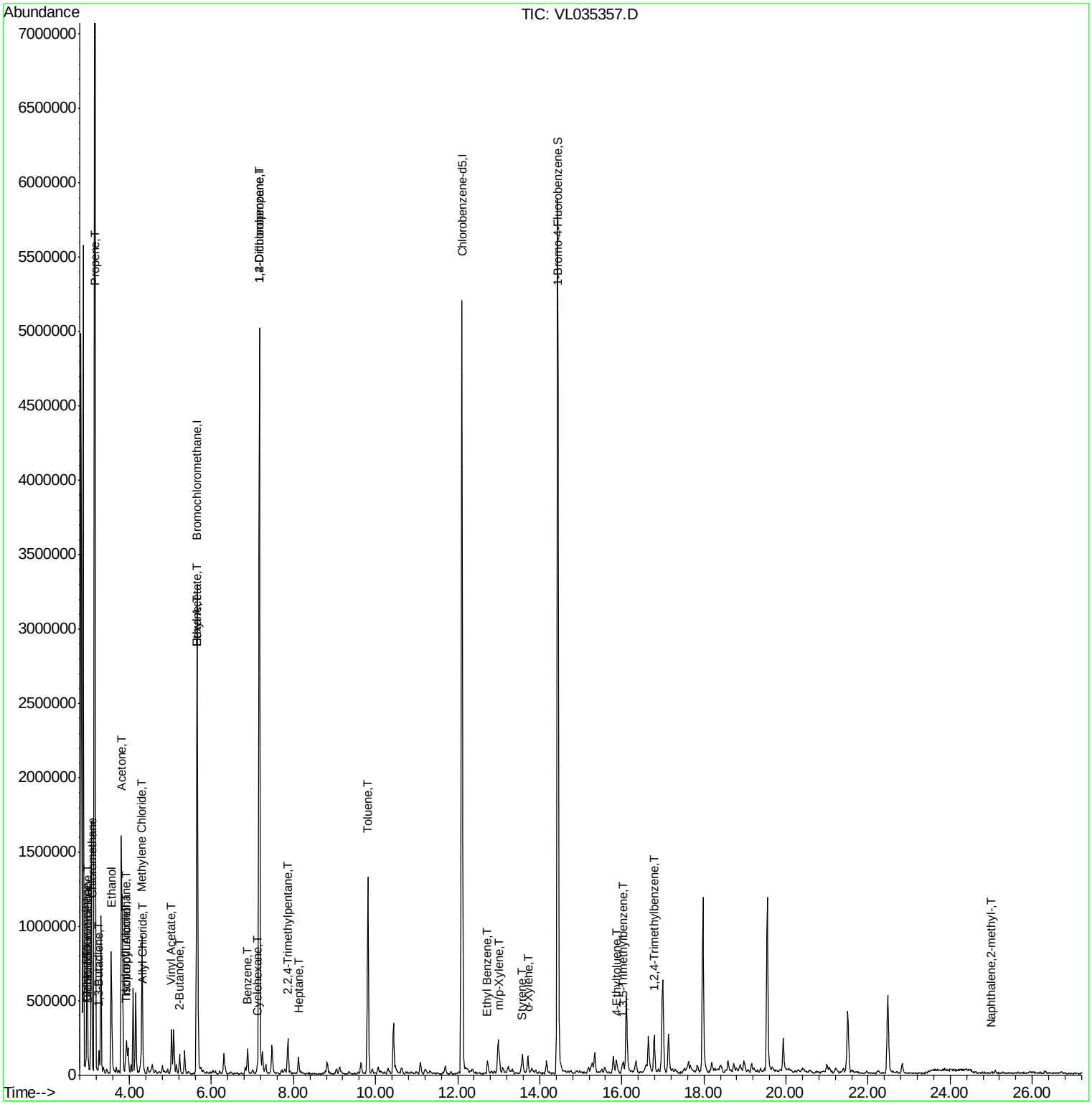
(#) = qualifier out of range (m) = manual integration (+) = signals summed

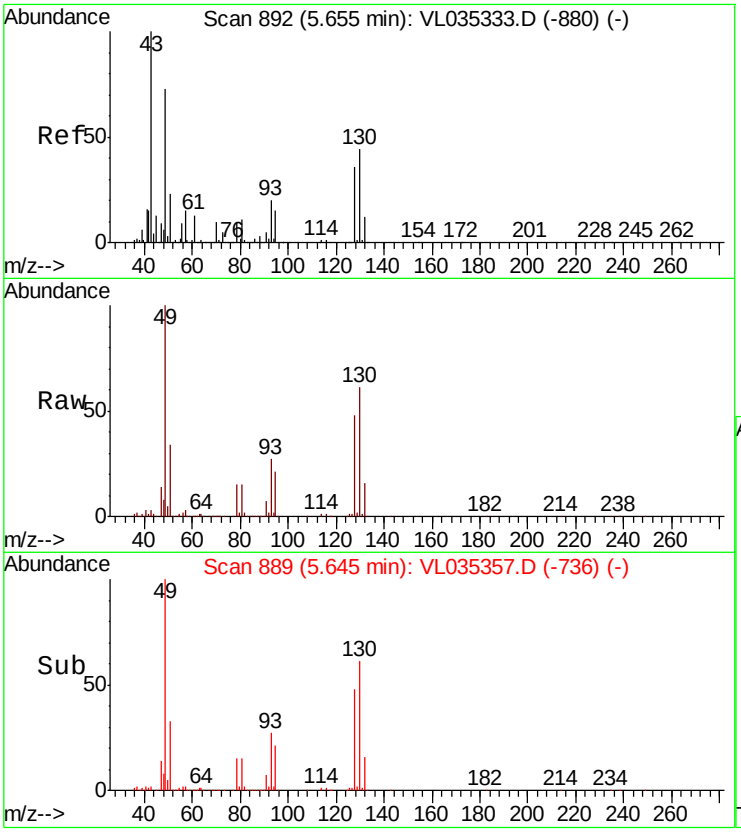
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080620\
Data File : VL035357.D
Acq On : 6 Aug 2020 19:50
Operator : SY/AP
Sample : L3554-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 07 06:29:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration



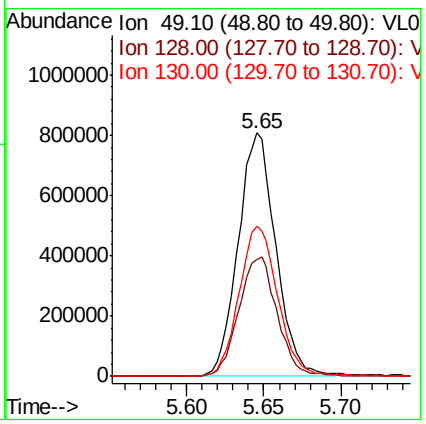


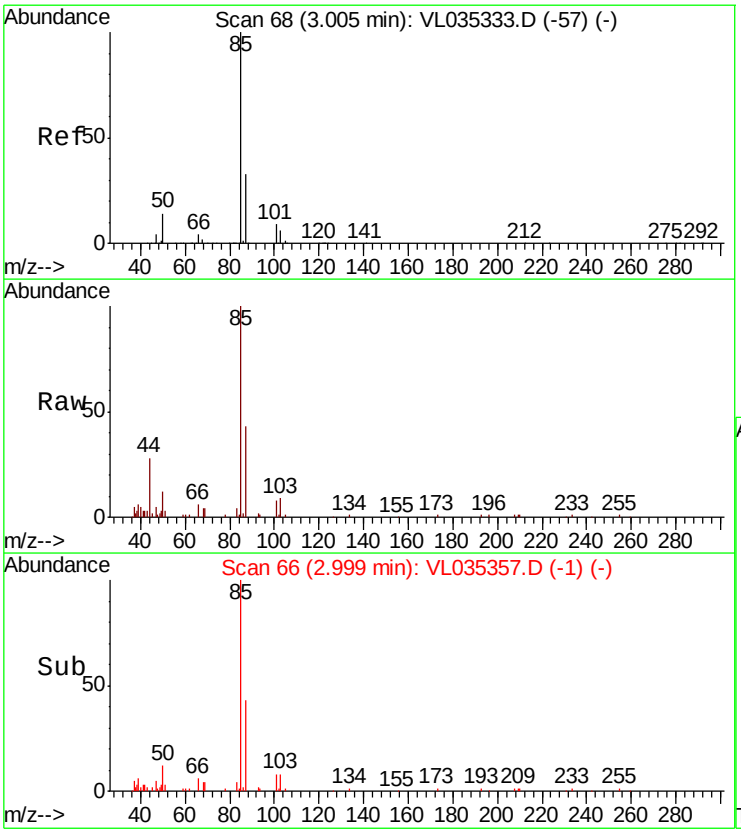
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1369148

Ion	Ratio	Lower	Upper
49	100		
128	50.3	25.4	76.0
130	63.8	32.1	96.3

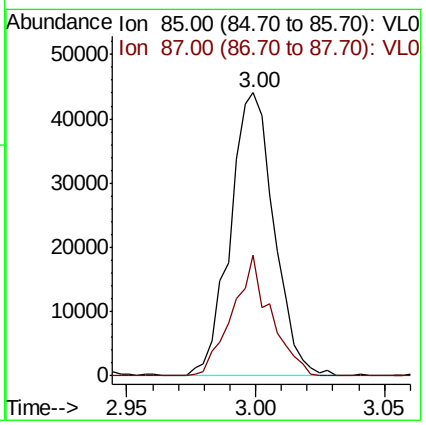


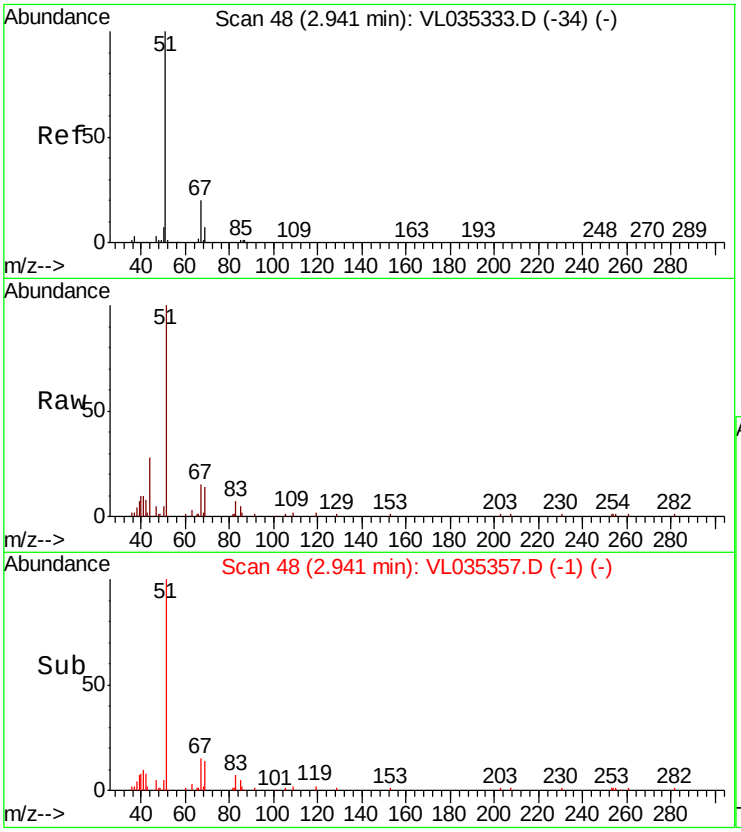


#2
Dichlorodifluoromethane
Concen: 0.287 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 85 Resp: 52306

Ion	Ratio	Lower	Upper
85	100		
87	42.7	26.7	40.1#



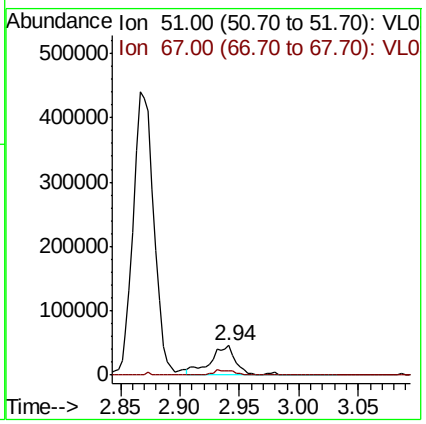


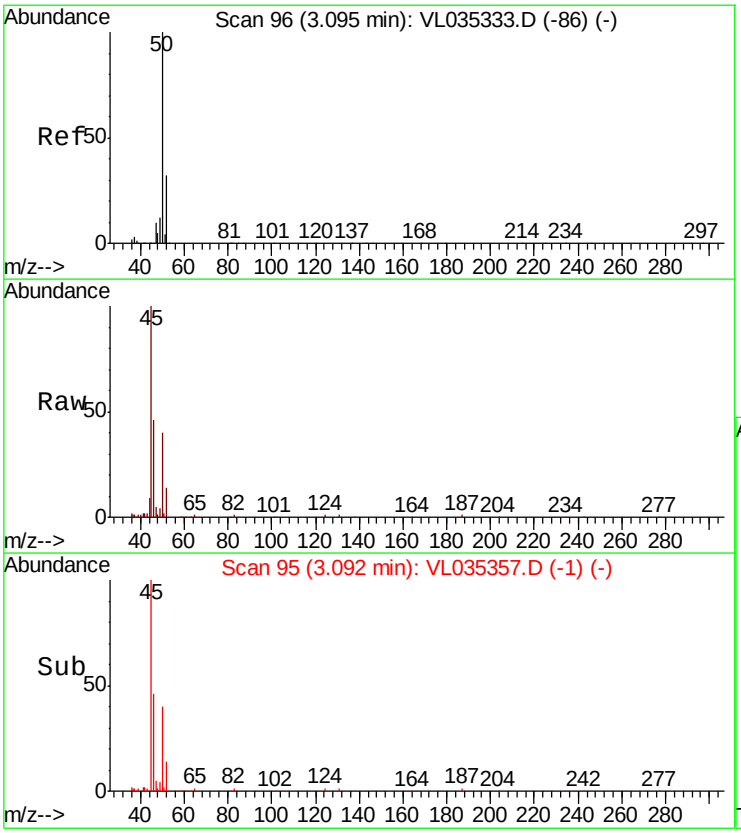
#3
Chlorodifluoromethane
Concen: 0.467 ppbv
RT: 2.94 min Scan# 48
Delta R.T. 0.00 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 73003

Ion	Ratio	Lower	Upper
51	100		
67	13.8	16.6	25.0#

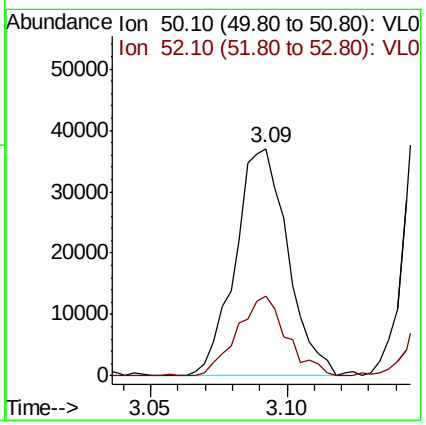


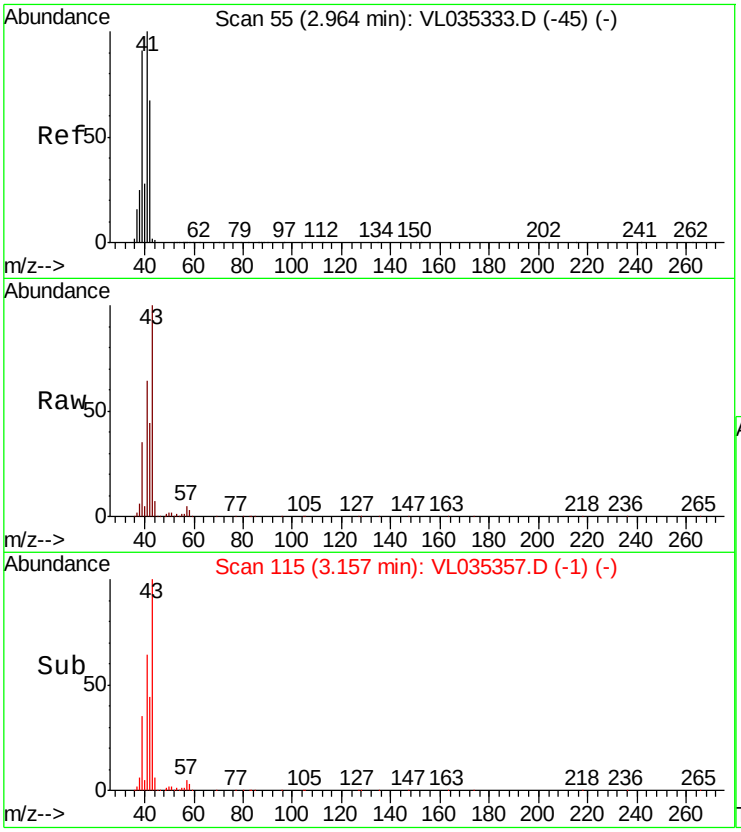


#4
Chloromethane
Concen: 0.556 ppbv
RT: 3.09 min Scan# 95
Delta R.T. -0.00 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 50 Resp: 49239

Ion	Ratio	Lower	Upper
50	100		
52	35.2	26.0	39.0



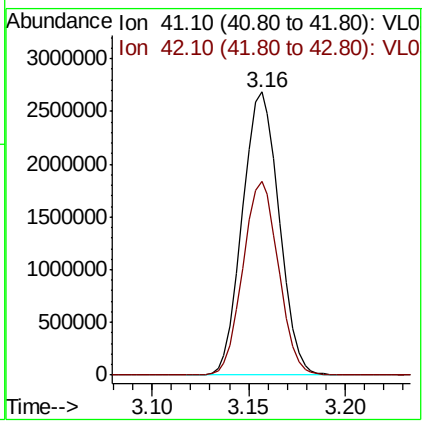


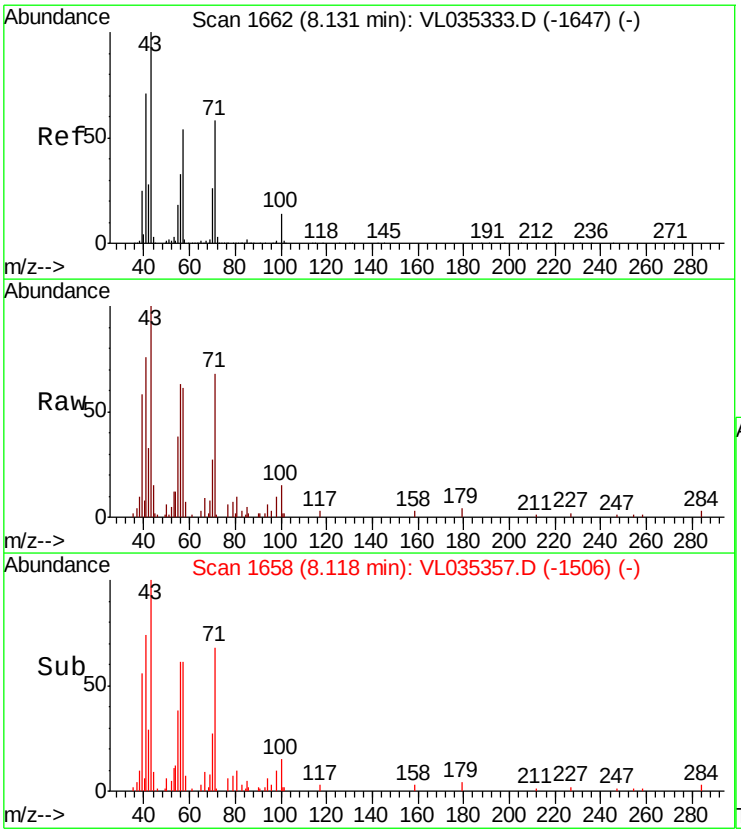
#9
Propene
Concen: 63.726 ppbv
RT: 3.16 min Scan# 115
Delta R.T. 0.19 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 3549034

Ion	Ratio	Lower	Upper
41	100		
42	66.4	55.3	82.9

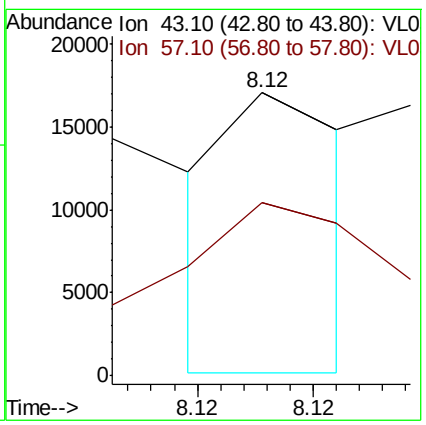


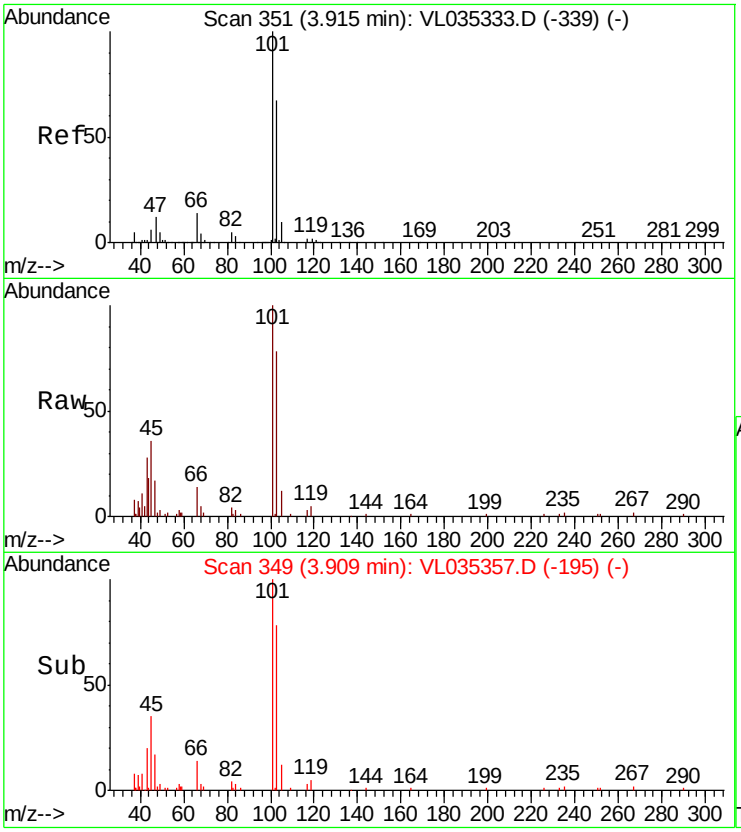


#10
Heptane
Concen: 0.043 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 43 Resp: 6083

Ion	Ratio	Lower	Upper
43	100		
57	316.0	43.0	64.6#



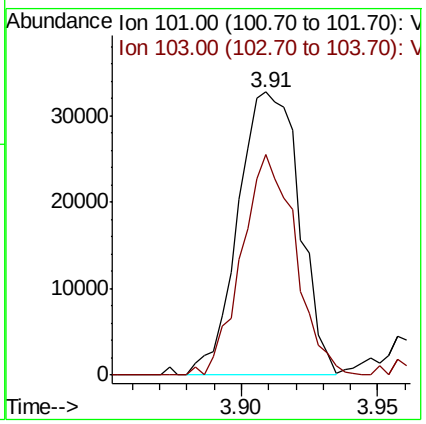


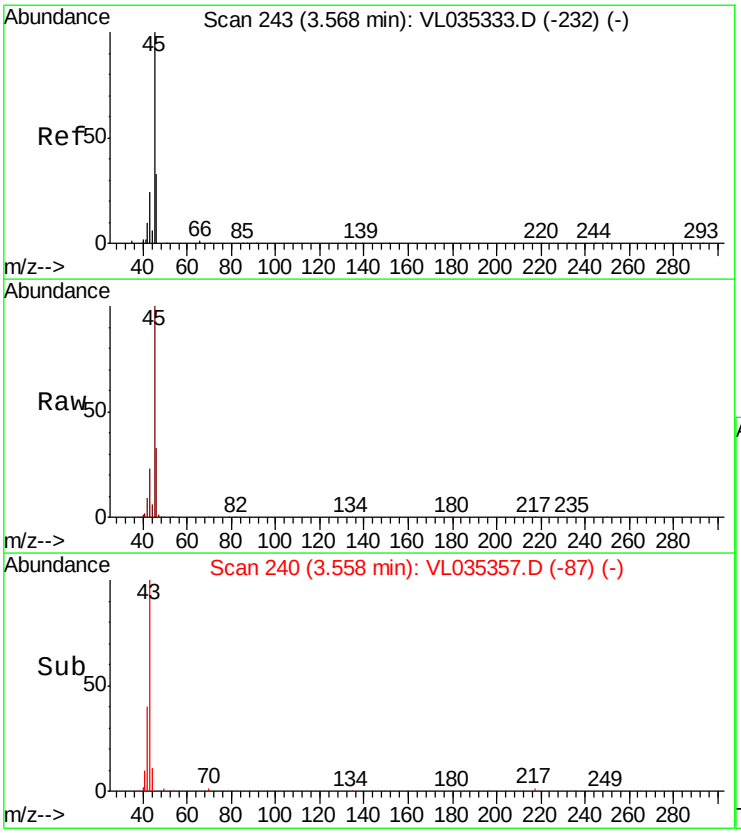
#11
Trichlorofluoromethane
Concen: 0.216 ppbv
RT: 3.91 min Scan# 349
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 51025

Ion	Ratio	Lower	Upper
101	100		
103	77.8	53.8	80.8

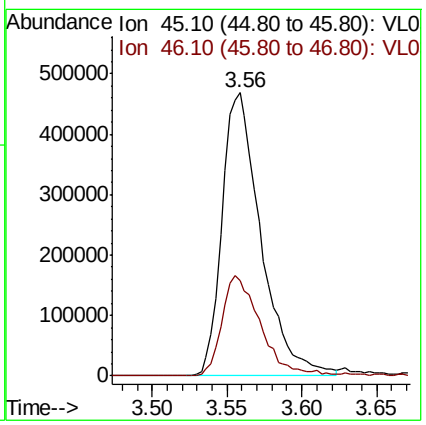


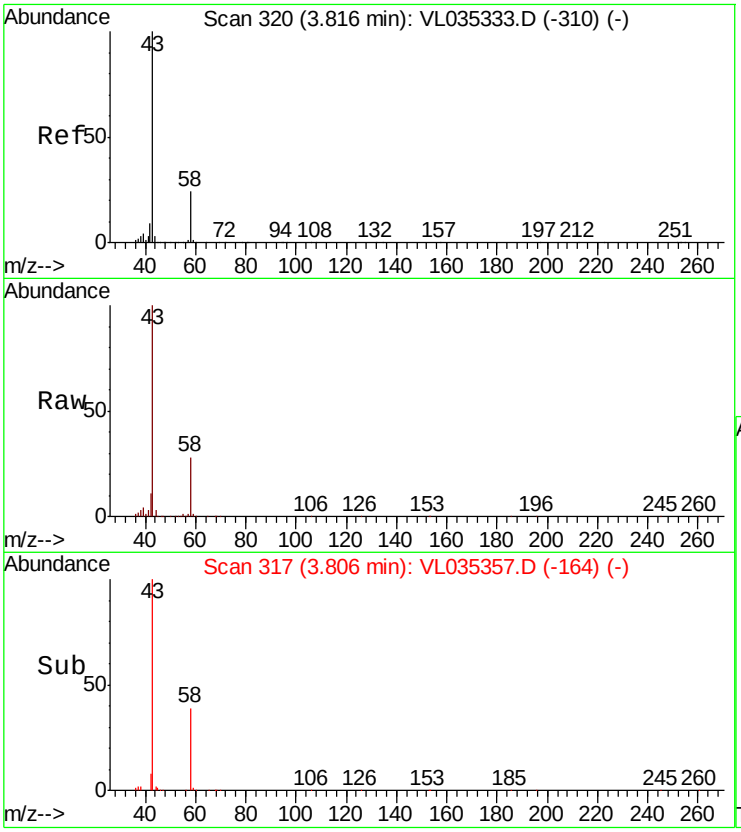


#13
Ethanol
Concen: 44.247 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 45 Resp: 849895

Ion	Ratio	Lower	Upper
45	100		
46	35.9	15.2	61.0



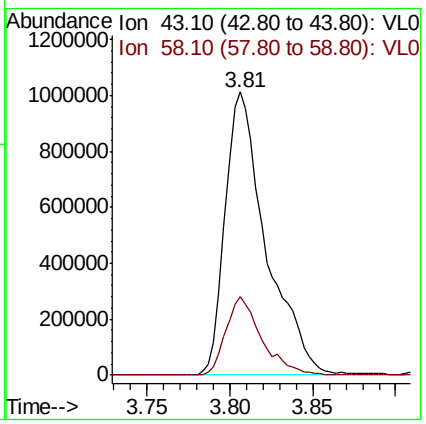


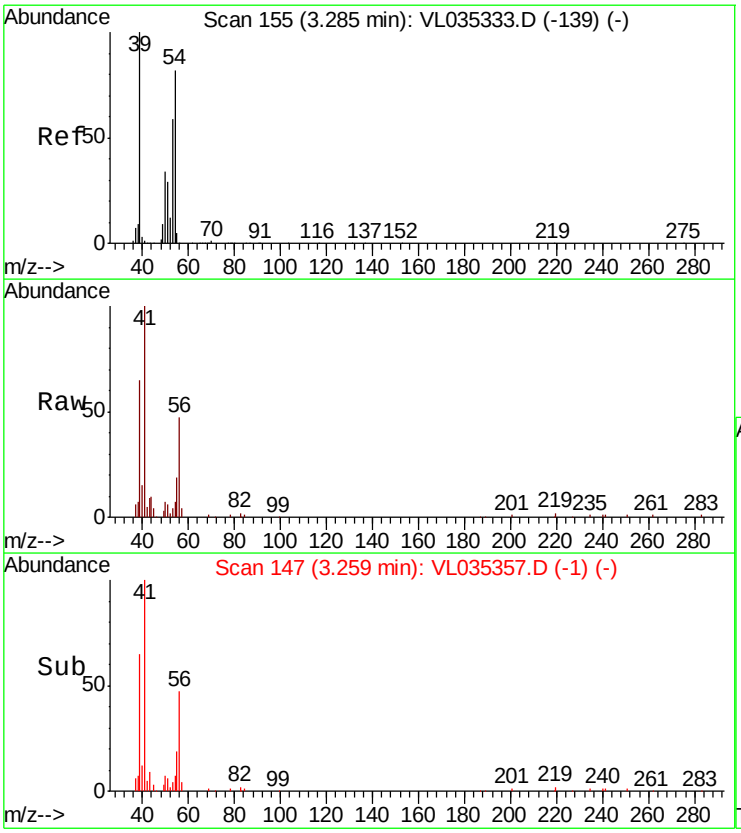
#15
Acetone
Concen: 8.922 ppbv
RT: 3.81 min Scan# 317
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1734646

Ion	Ratio	Lower	Upper
43	100		
58	24.4	21.0	31.4

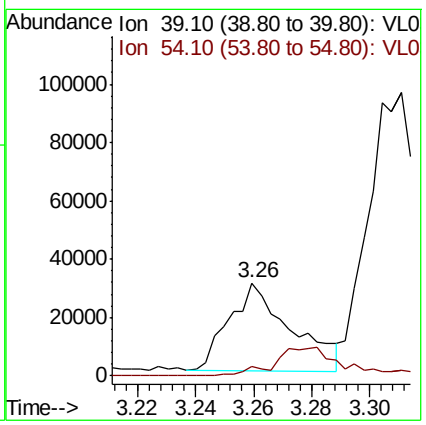


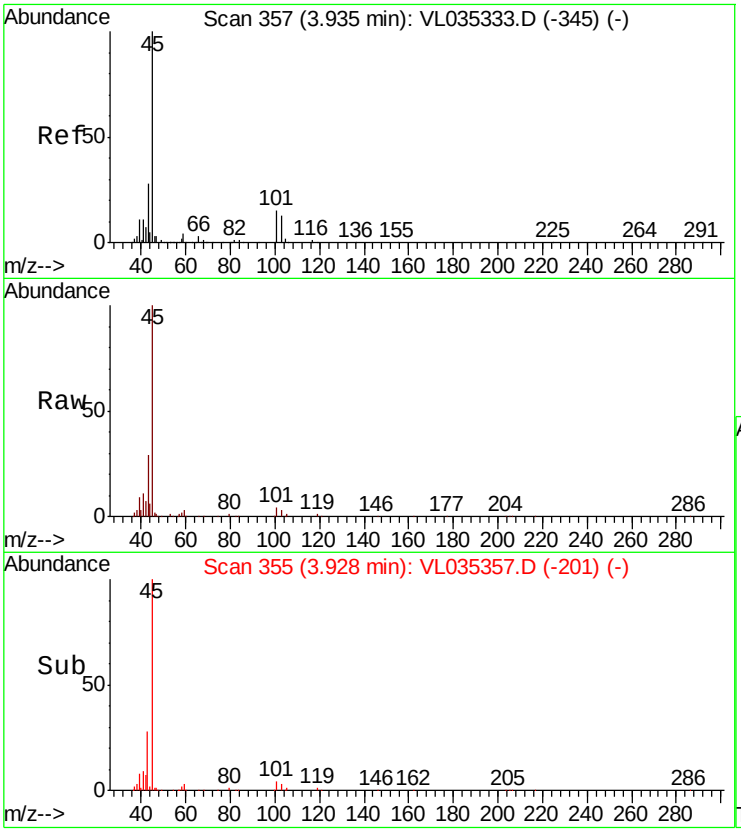


#16
1,3-Butadiene
Concen: 0.602 ppbv
RT: 3.26 min Scan# 147
Delta R.T. -0.03 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 39 Resp: 45084

Ion	Ratio	Lower	Upper
39	100		
54	37.3	64.4	96.6#



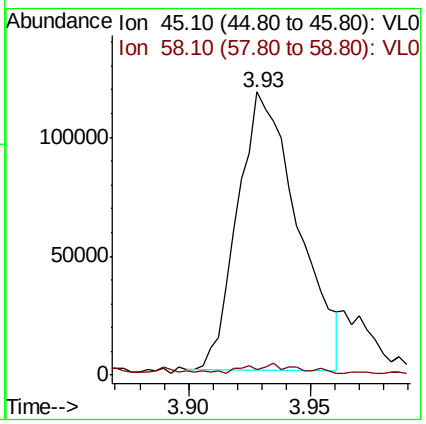


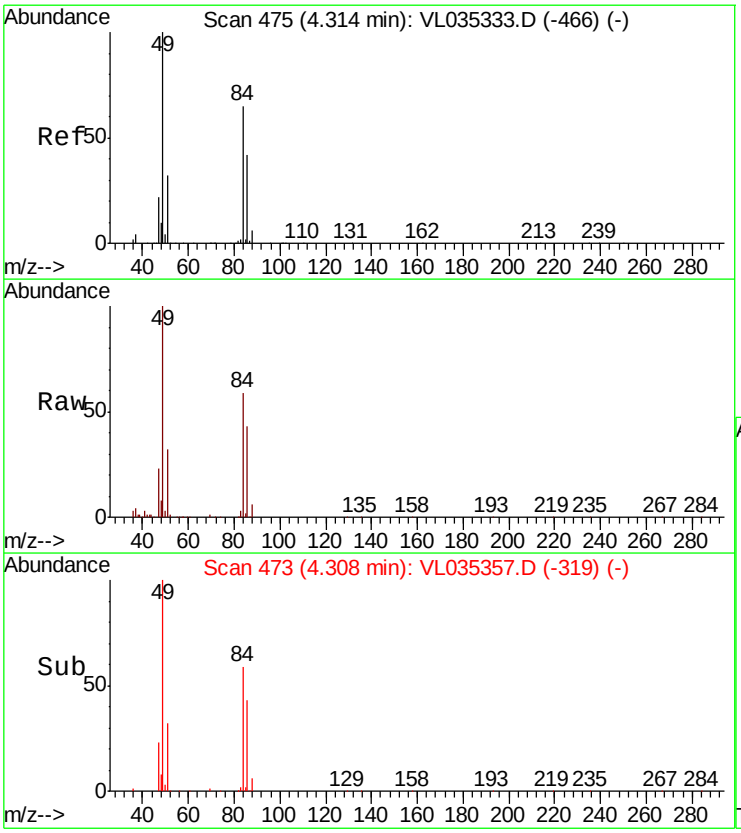
#19
Isopropyl Alcohol
Concen: 1.628 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 200604

Ion	Ratio	Lower	Upper
45	100		
58	6.9	1.9	2.9#

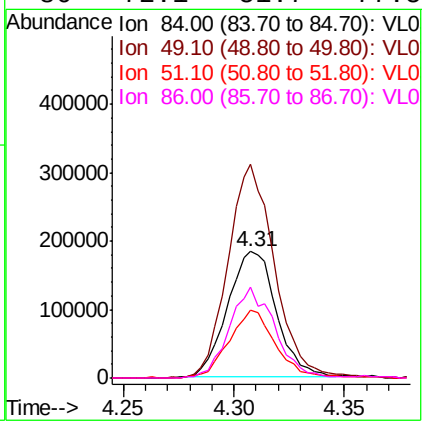


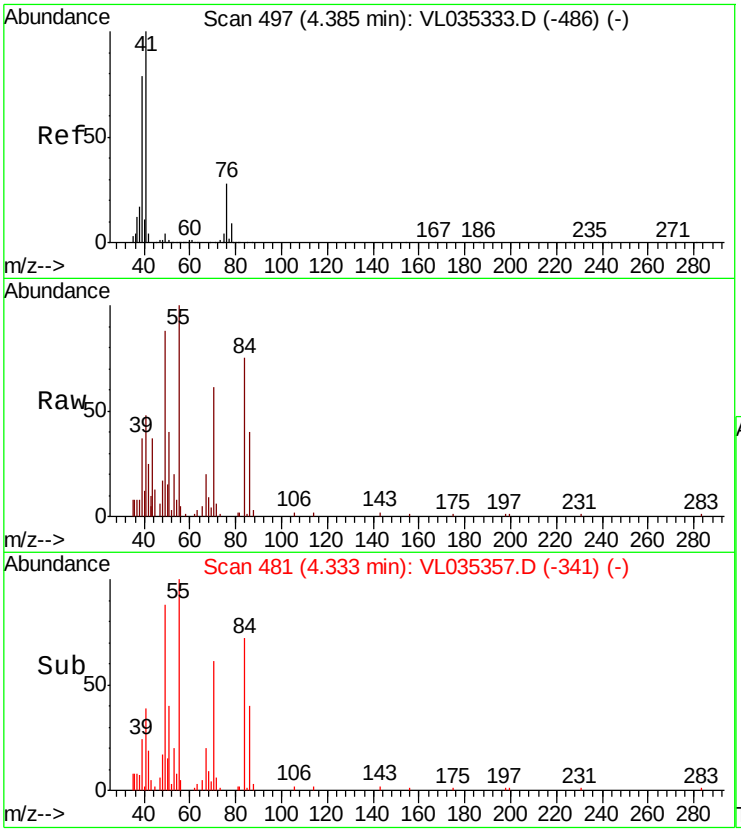


#20
Methylene Chloride
Concen: 3.572 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 84 Resp: 283239

Ion	Ratio	Lower	Upper
84	100		
49	169.2	122.8	184.2
51	53.4	40.1	60.1
86	72.1	51.7	77.5



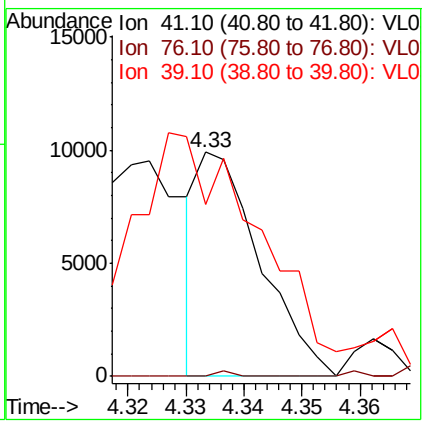


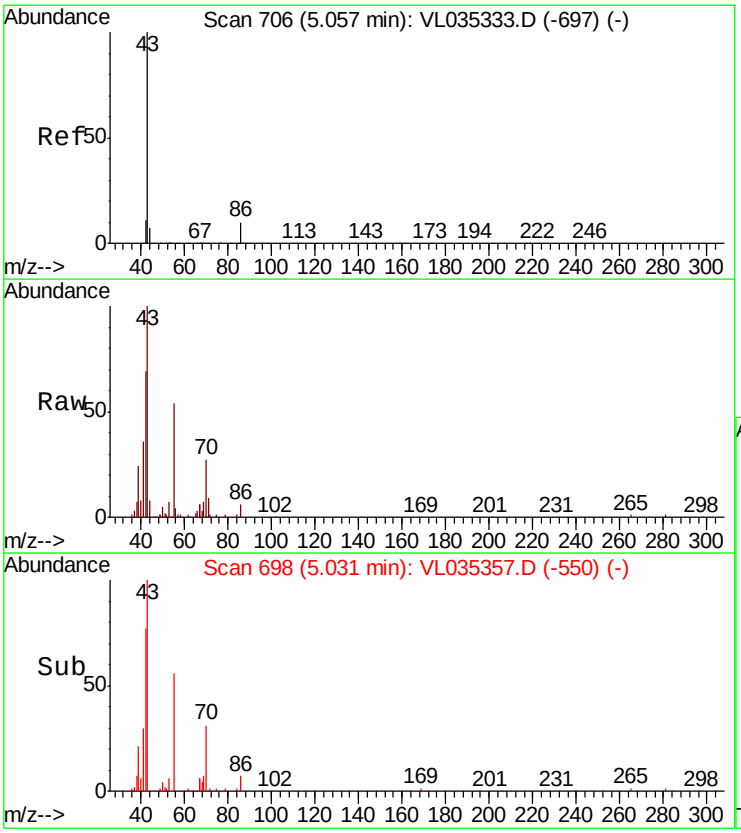
#21
Allyl Chloride
Concen: 0.066 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.05 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 7310

Ion	Ratio	Lower	Upper
41	100		
76	3.2	23.8	35.6#
39	0.0	65.0	97.6#

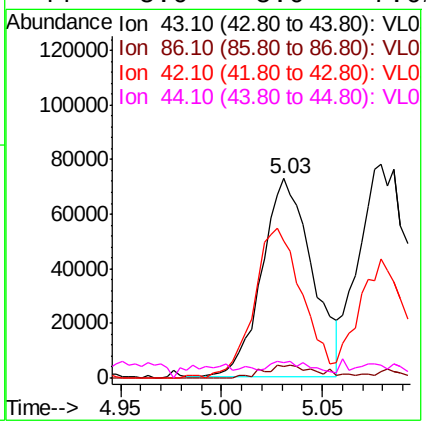


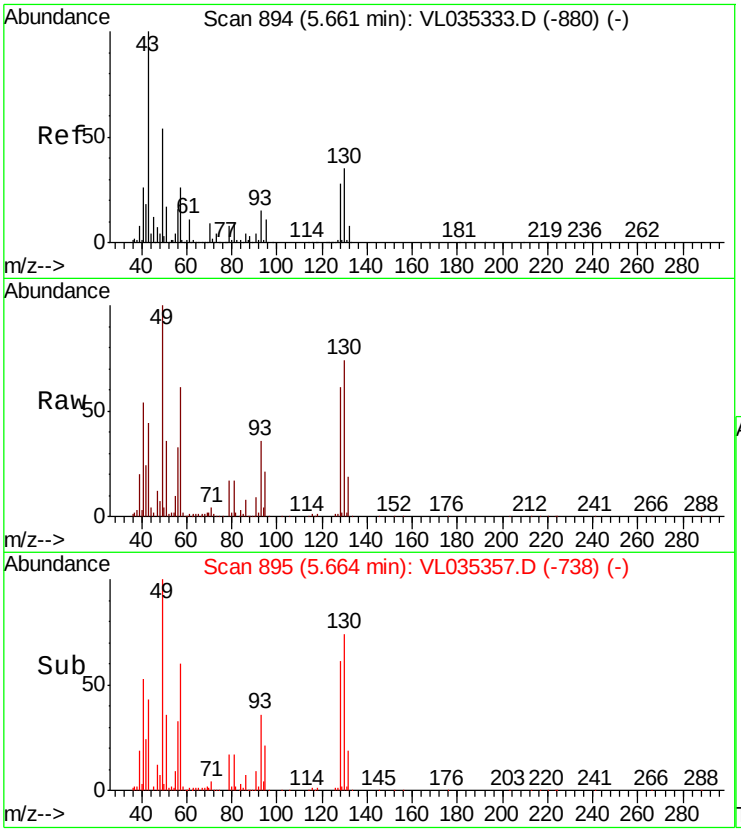


#23
Vinyl Acetate
Concen: 0.677 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.03 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 43 Resp: 126205

Ion	Ratio	Lower	Upper
43	100		
86	5.9	6.9	10.3#
42	68.2	8.8	13.2#
44	5.0	5.0	7.6#



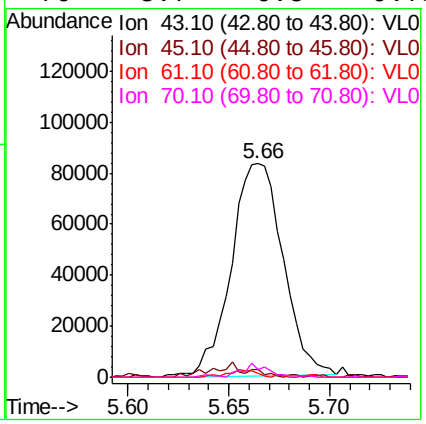


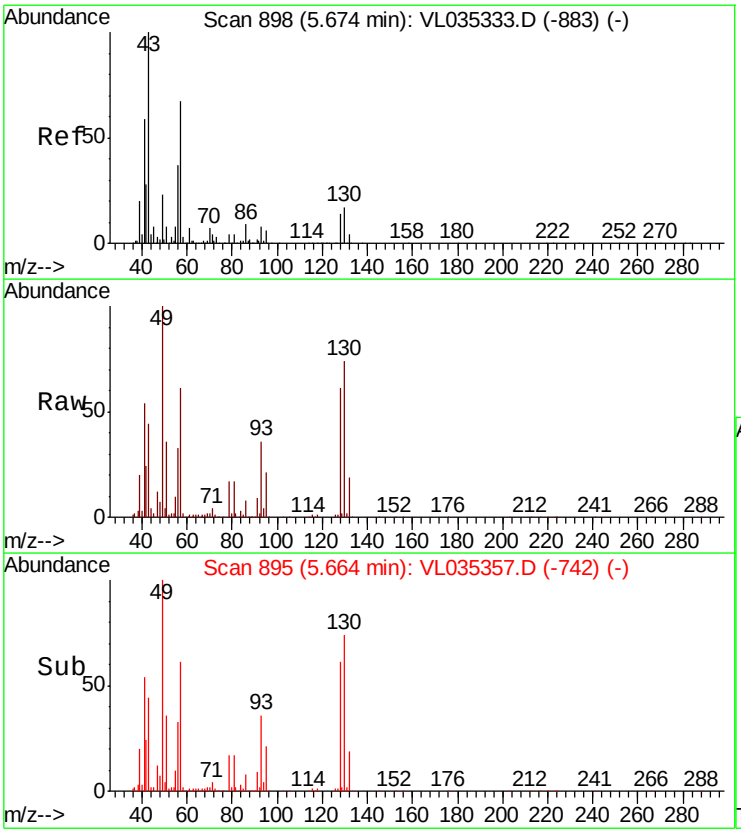
#25
Ethyl Acetate
Concen: 0.504 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 148834

Ion	Ratio	Lower	Upper
43	100		
45	5.7	8.5	12.7#
61	2.6	8.1	12.1#
70	3.7	6.5	9.7#

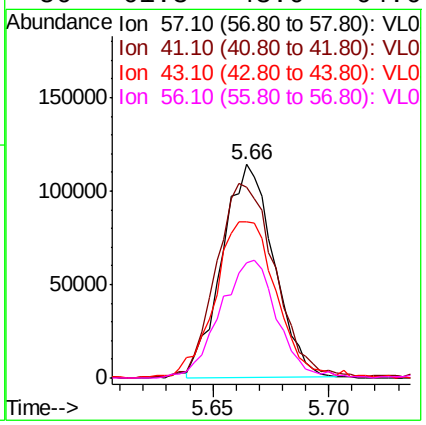


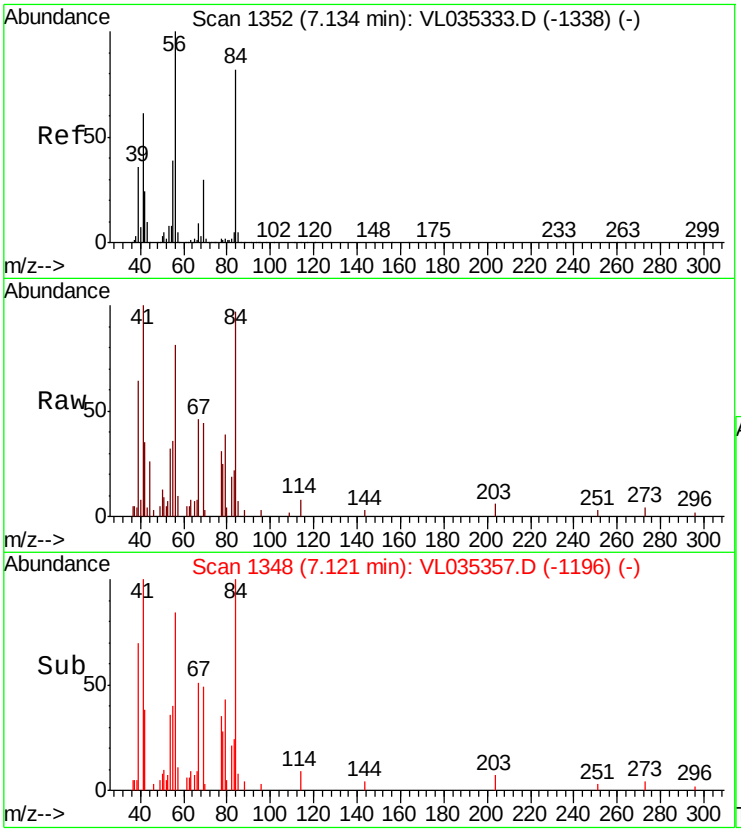


#26
Hexane
Concen: 1.378 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 57 Resp: 176541

Ion	Ratio	Lower	Upper
57	100		
41	104.6	75.2	112.8
43	88.0	180.6	270.8#
56	61.3	43.0	64.6



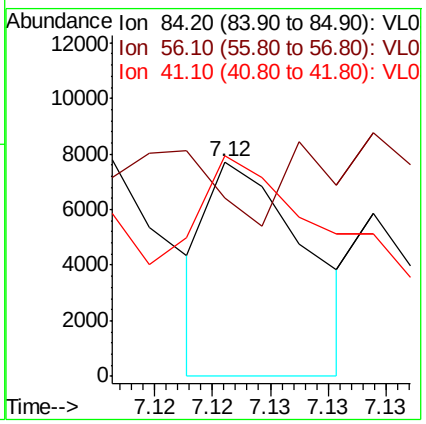


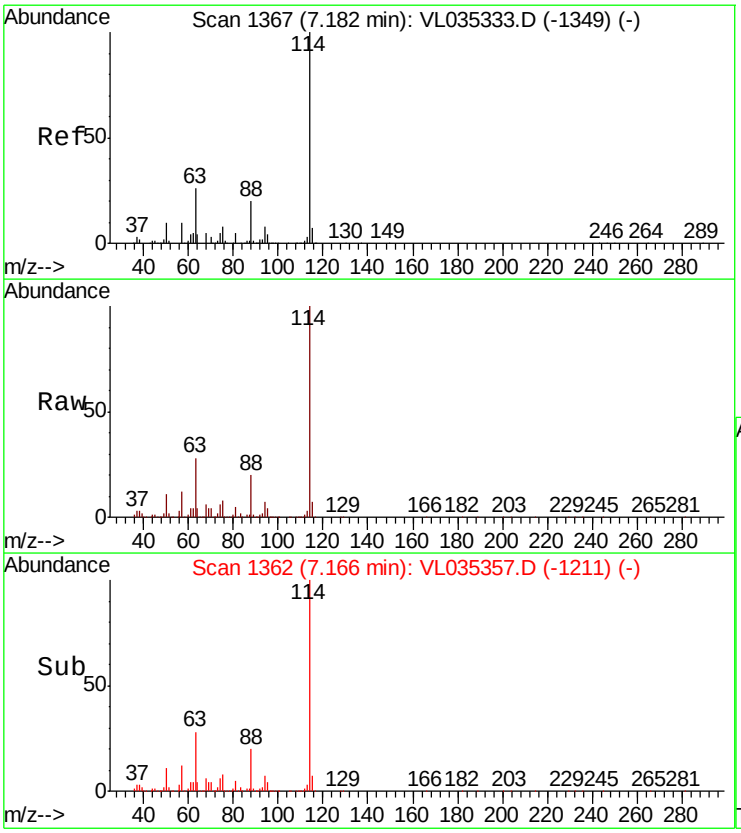
#30
Cyclohexane
Concen: 0.046 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 4465

Ion	Ratio	Lower	Upper
84	100		
56	0.0	104.7	157.1#
41	379.7	64.2	96.2#

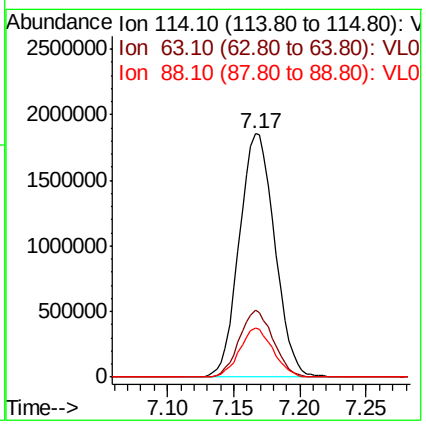


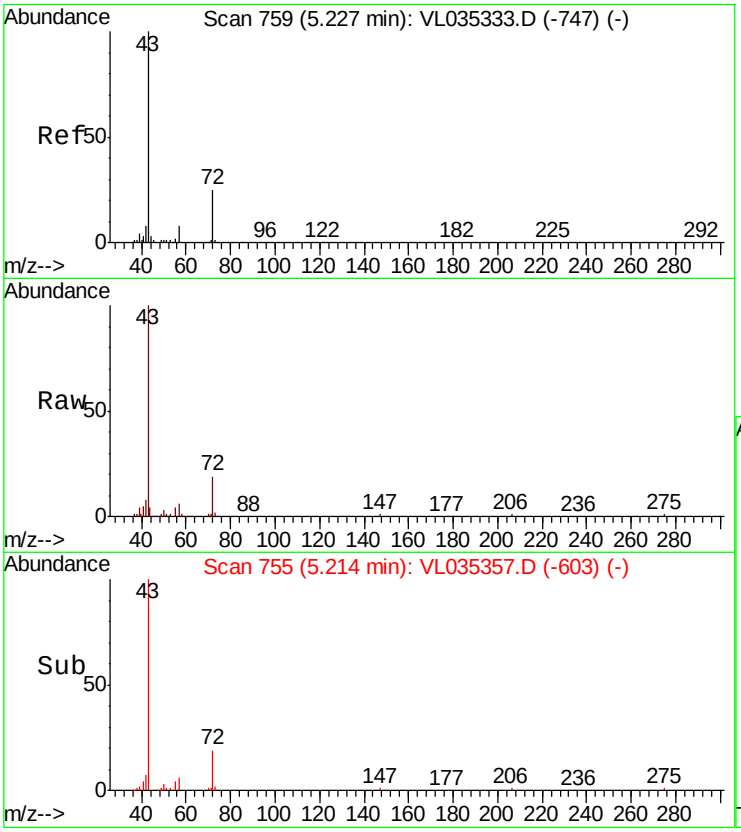


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion:114 Resp: 3443806

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.3	31.9
88	19.1	15.3	22.9



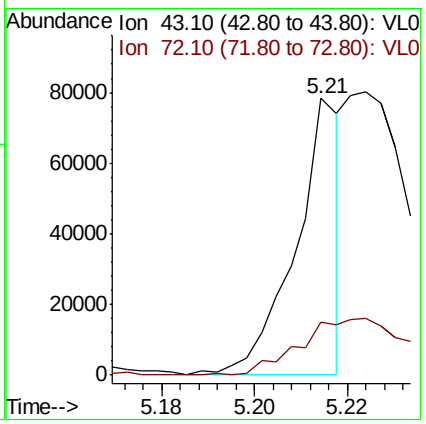


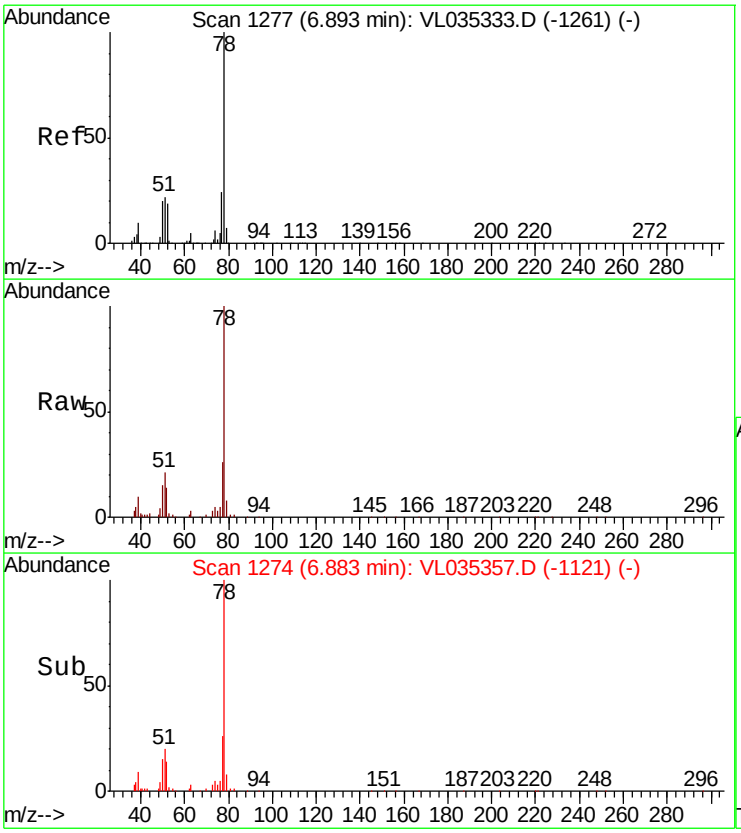
#34
2-Butanone
Concen: 0.309 ppbv
RT: 5.21 min Scan# 755
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 52395

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.9	28.3#

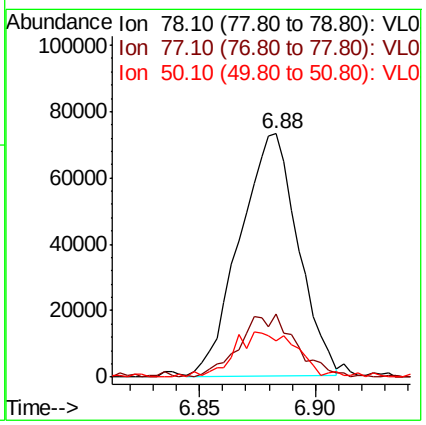


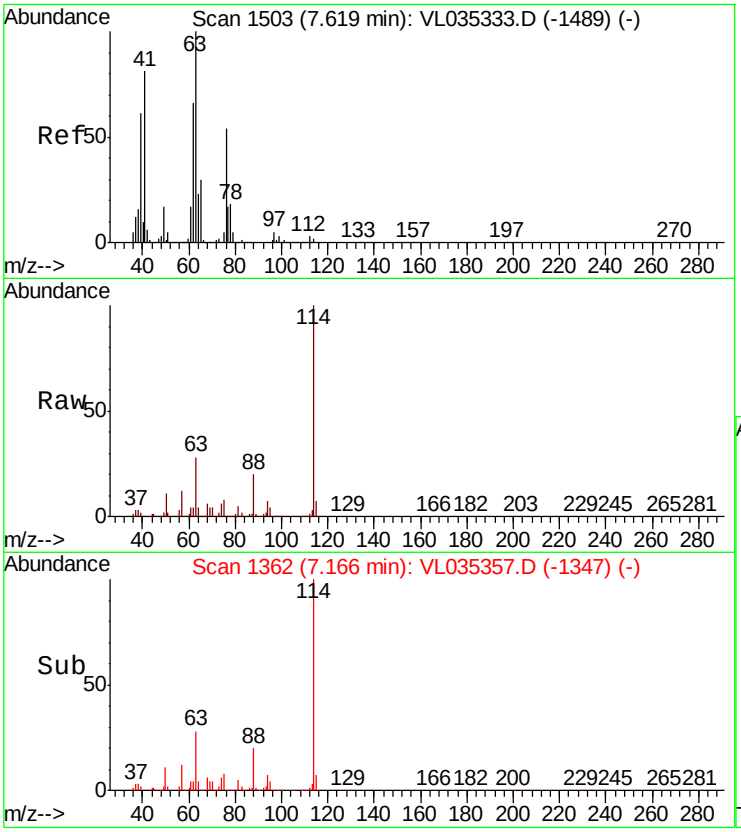


#36
Benzene
Concen: 0.550 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 78 Resp: 127899

Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.3	28.9
50	14.8	16.3	24.5#



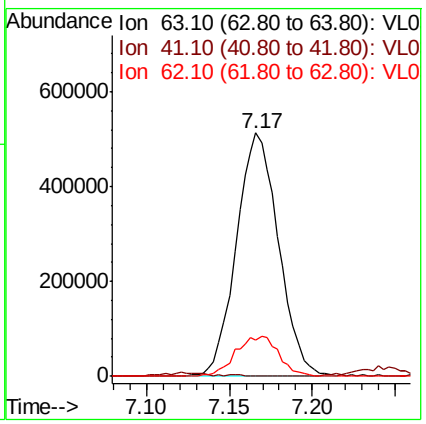


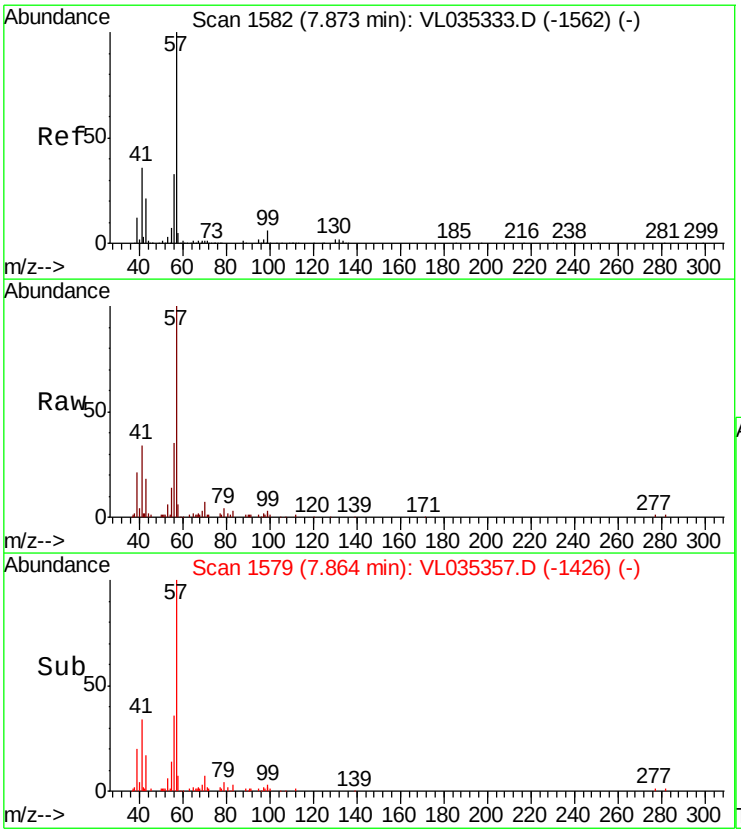
#39
1,2-Dichloropropane
Concen: 9.595 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.45 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 903250

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.4	96.6#
62	15.0	52.6	78.8#

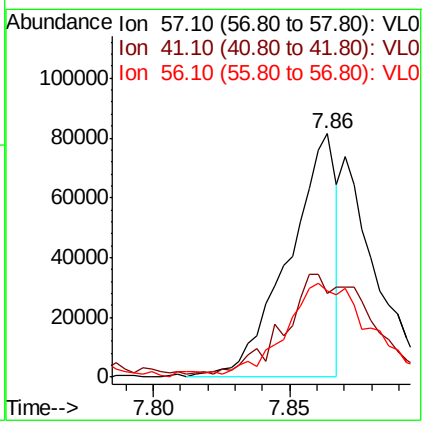


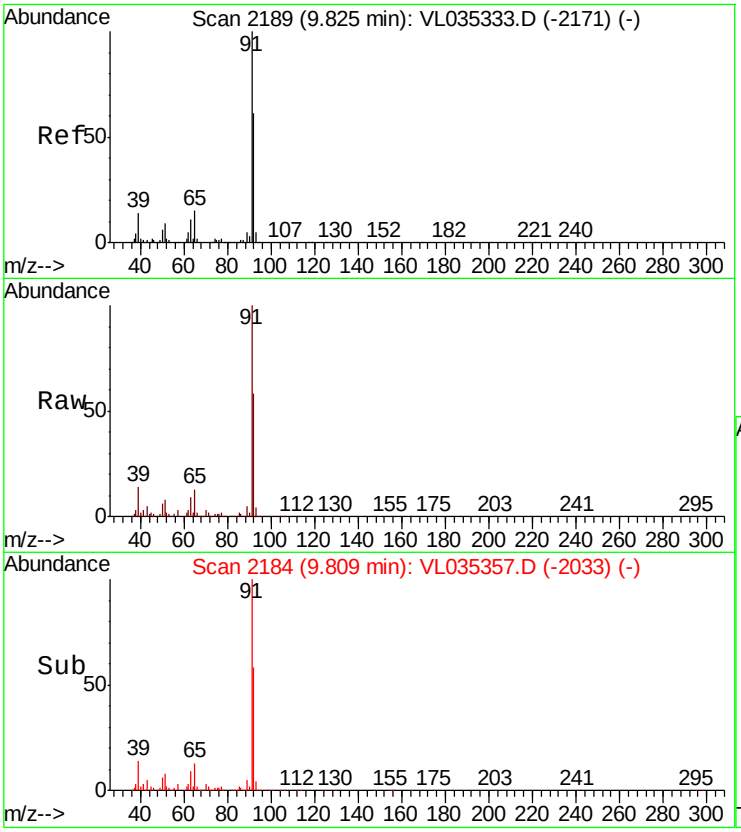


#44
2,2,4-Trimethylpentane
Concen: 0.236 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 57 Resp: 97326

Ion	Ratio	Lower	Upper
57	100		
41	81.8	27.9	41.9#
56	71.9	25.4	38.0#



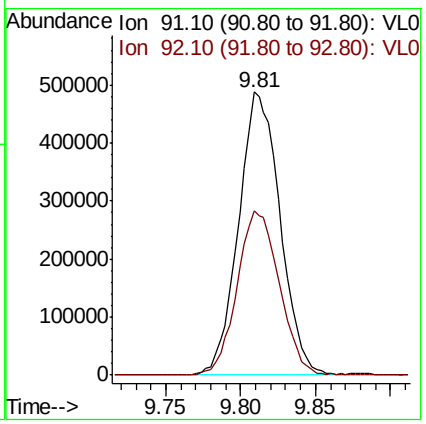


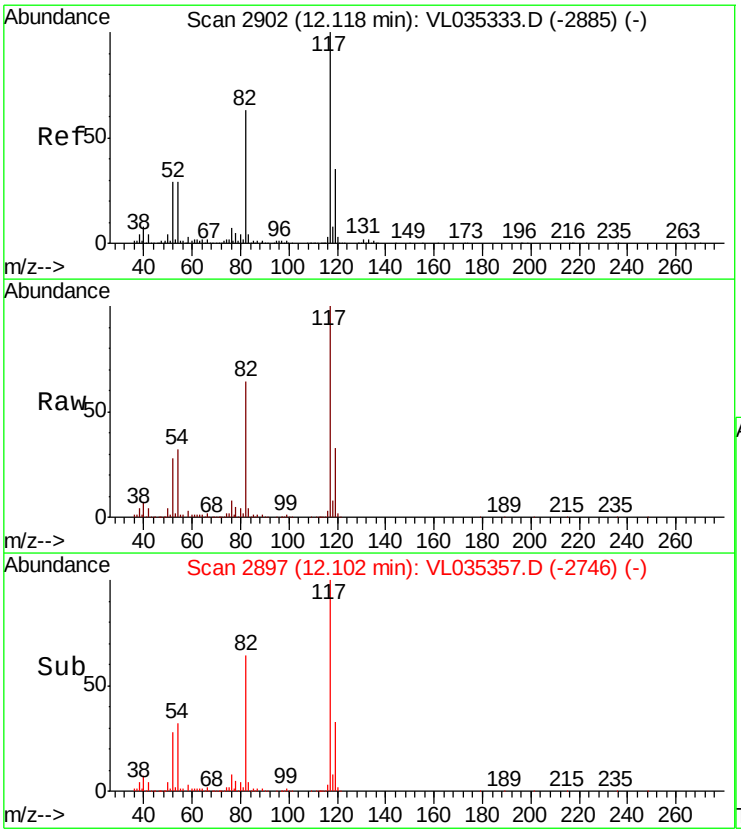
#53
Toluene
Concen: 3.718 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.02 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 940633

Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.5	72.7

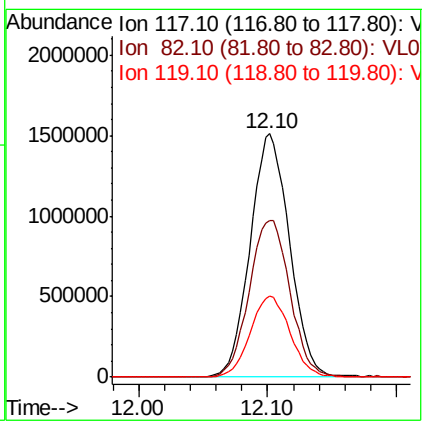


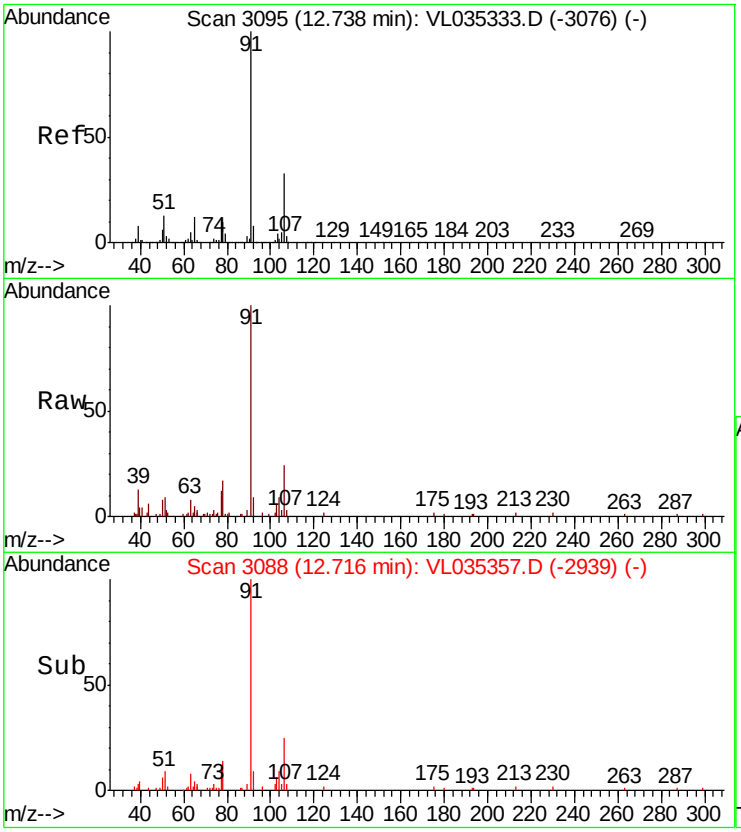


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion:117 Resp: 3213593

Ion	Ratio	Lower	Upper
117	100		
82	66.7	51.0	76.4
119	33.7	24.7	37.1



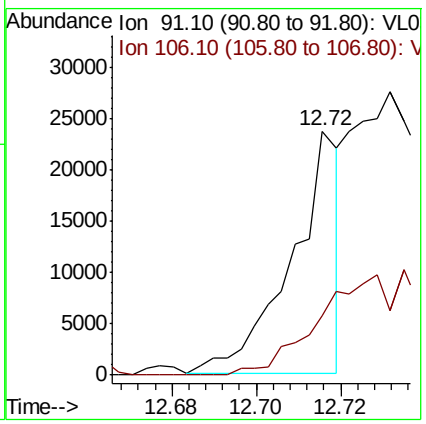


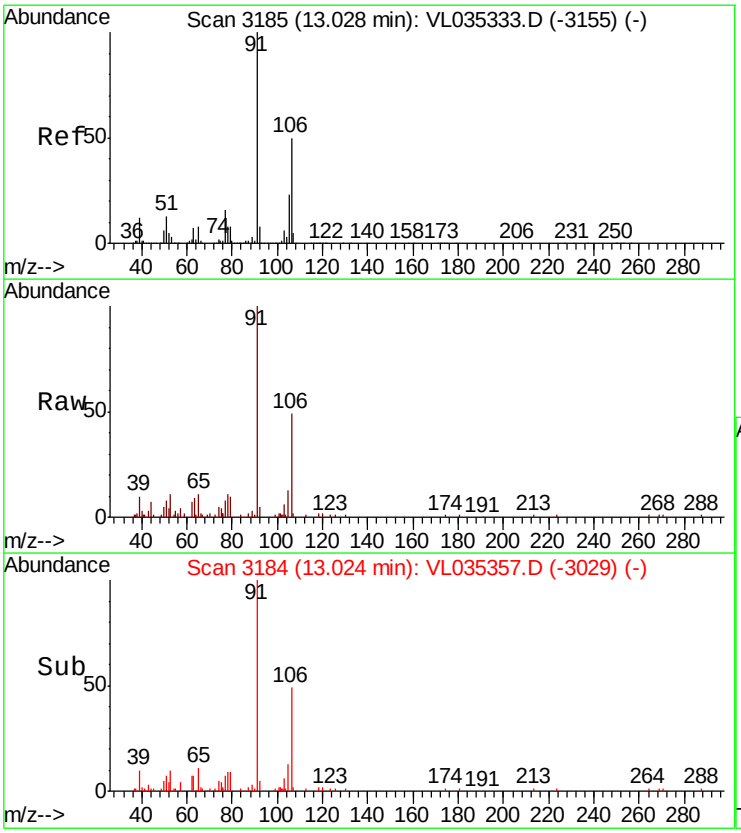
#58
Ethyl Benzene
Concen: 0.056 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.02 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 18624

Ion	Ratio	Lower	Upper
91	100		
106	24.7	26.8	40.2#

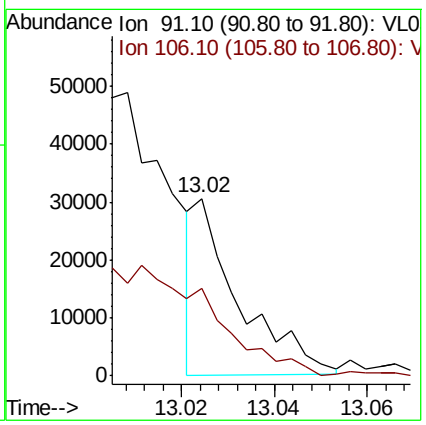


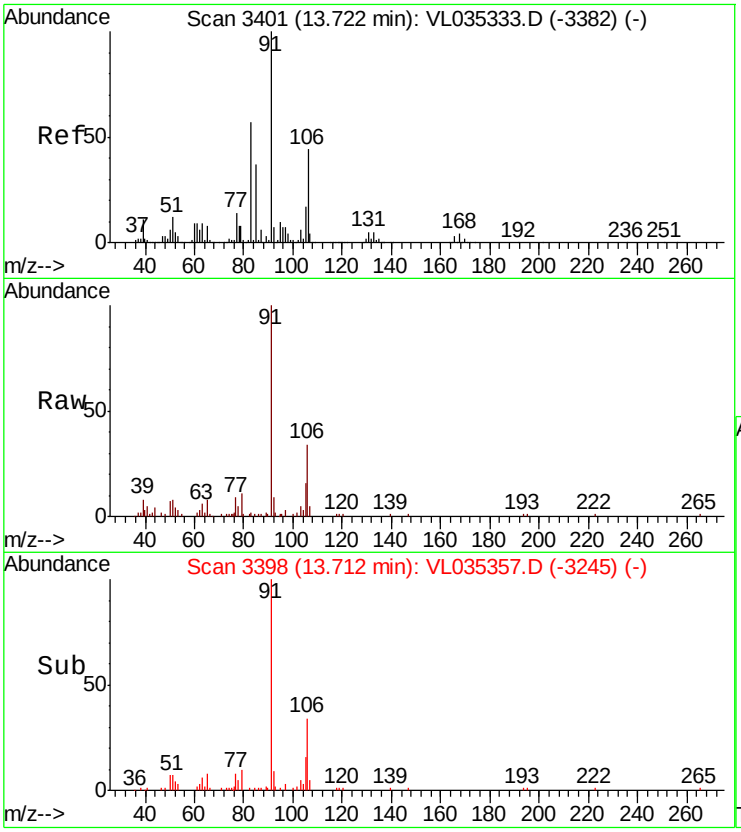


#59
m/p-Xylene
Concen: 0.064 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.00 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion: 91 Resp: 20054

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.8	56.8#



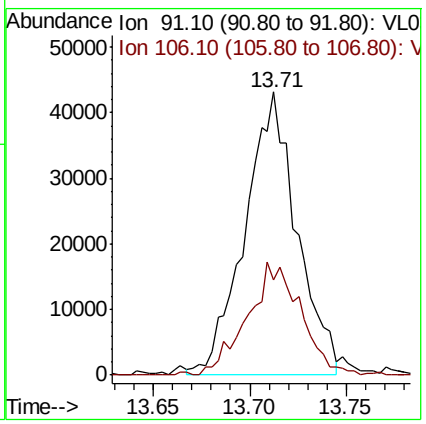


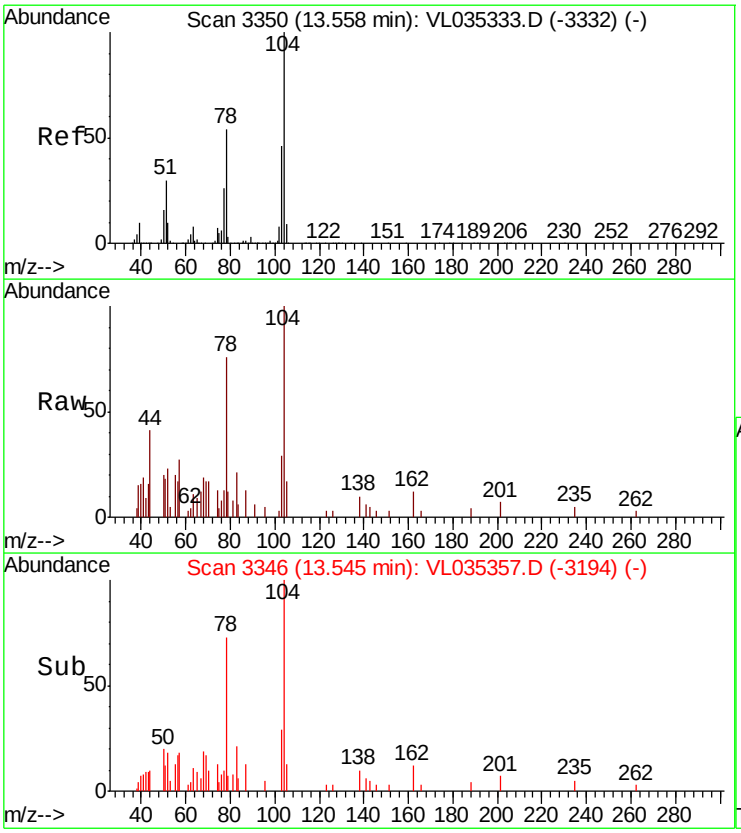
#60
o-Xylene
Concen: 0.262 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 80810

Ion	Ratio	Lower	Upper
91	100		
106	41.1	22.7	68.0

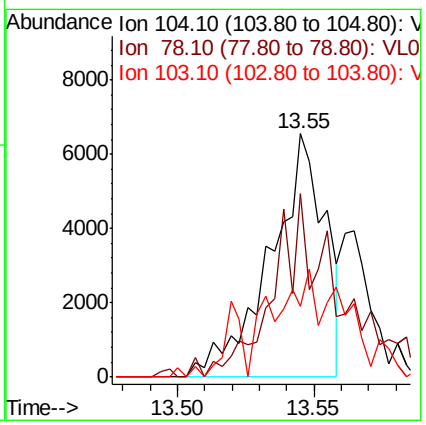


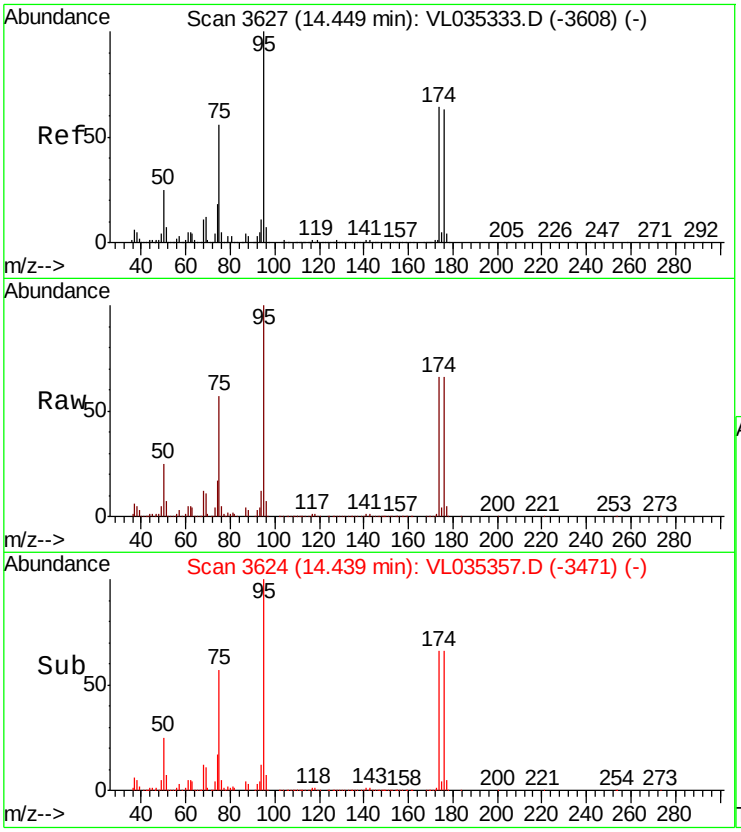


#61
Styrene
Concen: 0.048 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion:104 Resp: 9109

Ion	Ratio	Lower	Upper
104	100		
78	96.1	42.6	63.8#
103	68.6	38.1	57.1#



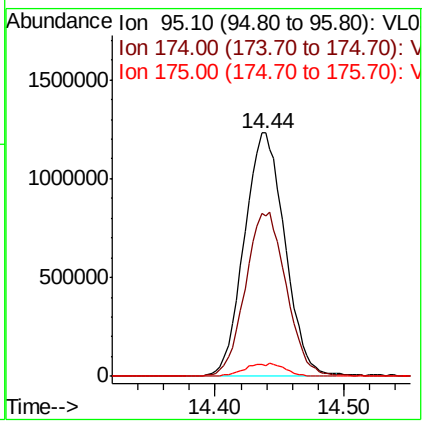


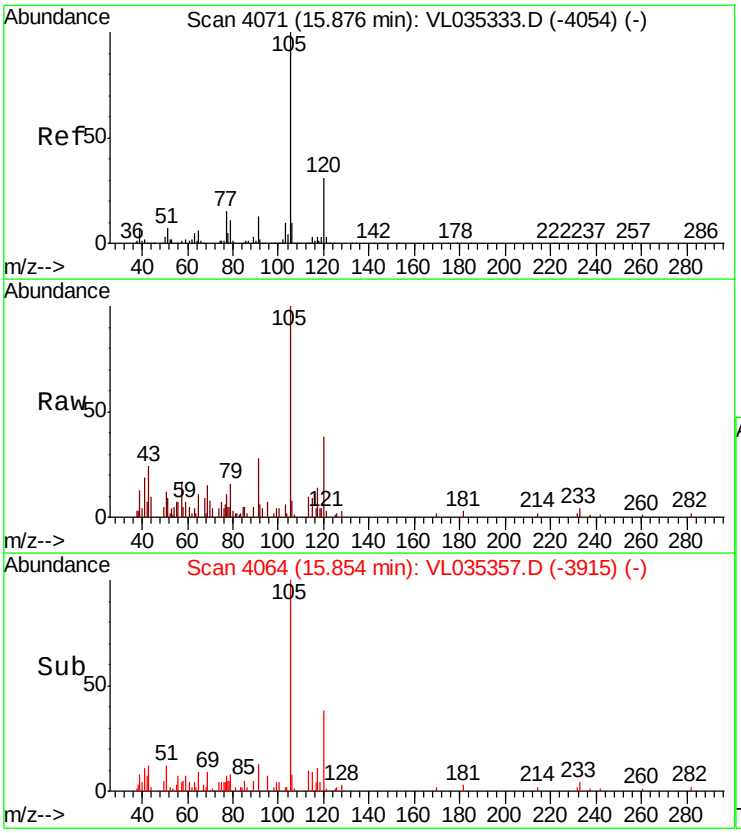
#68
1-Bromo-4-Fluorobenzene
Concen: 10.070 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2698700

Ion	Ratio	Lower	Upper
95	100		
174	68.4	53.5	80.3
175	5.3	4.2	6.2

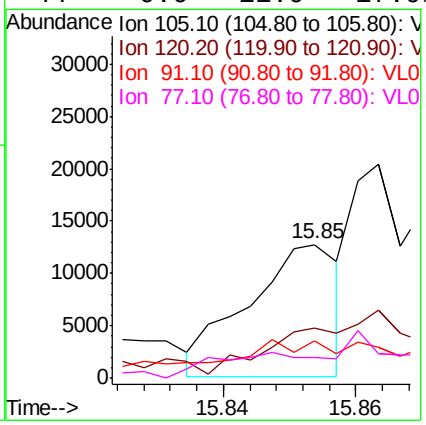


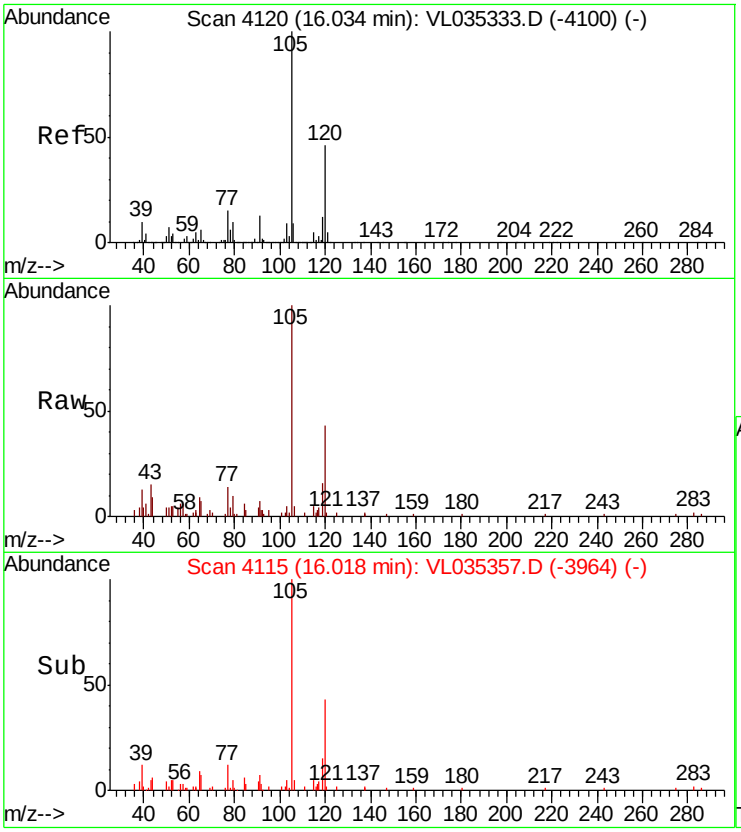


#72
4-Ethyltoluene
Concen: 0.034 ppbv
RT: 15.85 min Scan# 4064
Delta R.T. -0.02 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion:105 Resp: 12059

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.0	36.0#
91	72.0	10.8	16.2#
77	0.0	11.9	17.9#



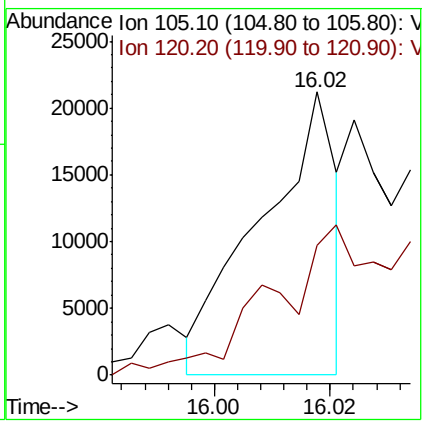


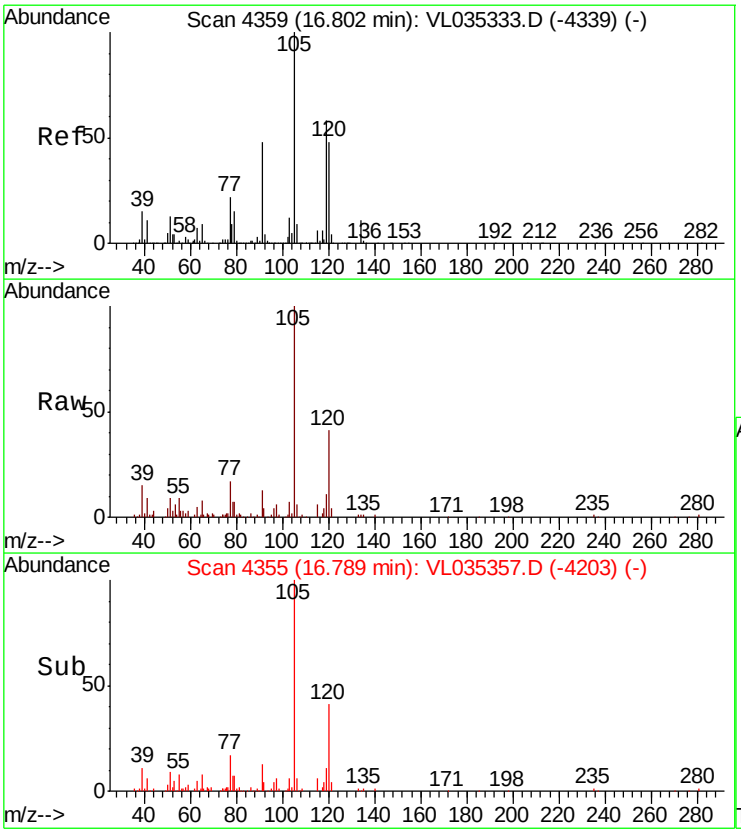
#73
1,3,5-Trimethylbenzene
Concen: 0.057 ppbv
RT: 16.02 min Scan# 4115
Delta R.T. -0.02 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 19220

Ion	Ratio	Lower	Upper
105	100		
120	45.9	36.9	55.3

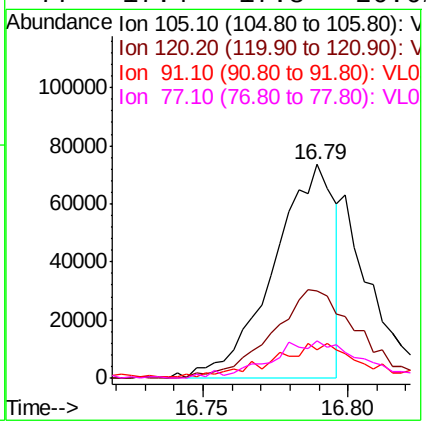


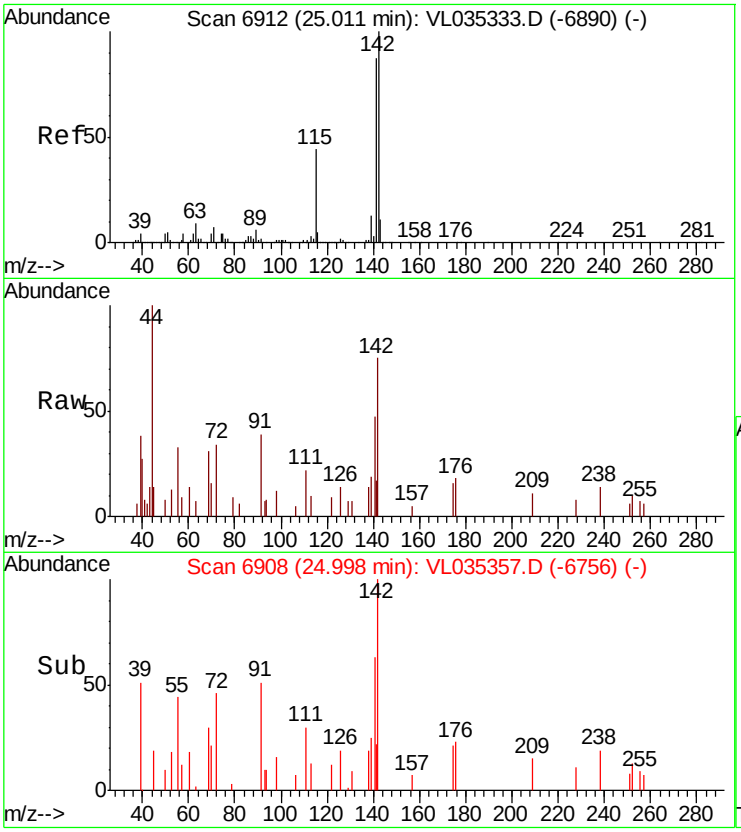


#74
1,2,4-Trimethylbenzene
Concen: 0.278 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Tgt Ion:105 Resp: 107343

Ion	Ratio	Lower	Upper
105	100		
120	39.9	38.5	57.7
91	11.9	39.0	58.6#
77	17.4	17.8	26.6#





#80
Naphthalene,2-methyl-
Concen: 0.046 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. -0.01 min
Lab File: VL035357.D
Acq: 6 Aug 2020 19:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 3111

Ion	Ratio	Lower	Upper
142	100		
141	30.1	69.0	103.6#
115	0.0	35.5	53.3#