Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035834.D
Acq On : 4 Nov 2020 15:32
Operator : SY/AP
Sample : L4610-02 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 05 02:55:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	1124498	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.14	114	4938105	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.06	117	4524086	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	3245943	10.10	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	47608	0.225	ppbv		90
3) Chlorodifluoromethane	2.96	51	22903	0.170	ppbv		92
9) Propene	2.99	41	274959	5.579	ppbv		96
10) Heptane	8.10	43	13039	0.096	ppbv	#	68
11) Trichlorofluoromethane	3.92	101	27642	0.104	ppbv		94
13) Ethanol	3.59	45	80471	7.526	ppbv		97
15) Acetone	3.83	43	536096	4.459	ppbv		96
16) 1,3-Butadiene	3.29	39	134490	2.598	ppbv	#	22
19) Isopropyl Alcohol	3.96	45	5331	0.072	ppbv	#	90
20) Methylene Chloride	4.32	84	265311	3.135	ppbv		96
25) Ethyl Acetate	5.65	43	118171	0.499	ppbv	#	74
26) Hexane	5.66	57	216676	1.659	ppbv	#	45
27) Carbon Disulfide	4.53	76	24824	0.127	ppbv	#	80
30) Cyclohexane	7.10	84	5913	0.042	ppbv	#	9
34) 2-Butanone	5.23	43	33860	0.211	ppbv	#	80
36) Benzene	6.86	78	38231	0.104	ppbv		98
39) 1,2-Dichloropropane	7.14	63	917576	7.424	ppbv	#	30
53) Toluene	9.77	91	417678	0.943	ppbv		97
58) Ethyl Benzene	12.68	91	62301	0.113	ppbv		95
59) m/p-Xylene	12.94	91	279659	0.600	ppbv		98
60) o-Xylene	13.65	91	171373	0.378	ppbv		75
63) 1,1,2,2-Tetrachloroethane	13.66	83	11822	0.034	ppbv	#	36
64) n-propylbenzene	15.55	120	22463	0.109	ppbv	#	1
66) Benzyl Chloride	16.64	91	91273	0.426	ppbv	#	62
70) n-Butylbenzene	18.54	91	168297	0.242	ppbv		95
71) 2-Chlorotoluene	15.37	91	4976544	9.545	ppbv	#	39
72) 4-Ethyltoluene	15.82	105	47358	0.086	ppbv	#	81
73) 1,3,5-Trimethylbenzene	15.98	105	27695	0.055	ppbv		97
74) 1,2,4-Trimethylbenzene	16.75	105	115012	0.213	ppbv	#	69
80) Naphthalene,2-methyl-	24.96	142	2867	0.047	ppbv	#	90

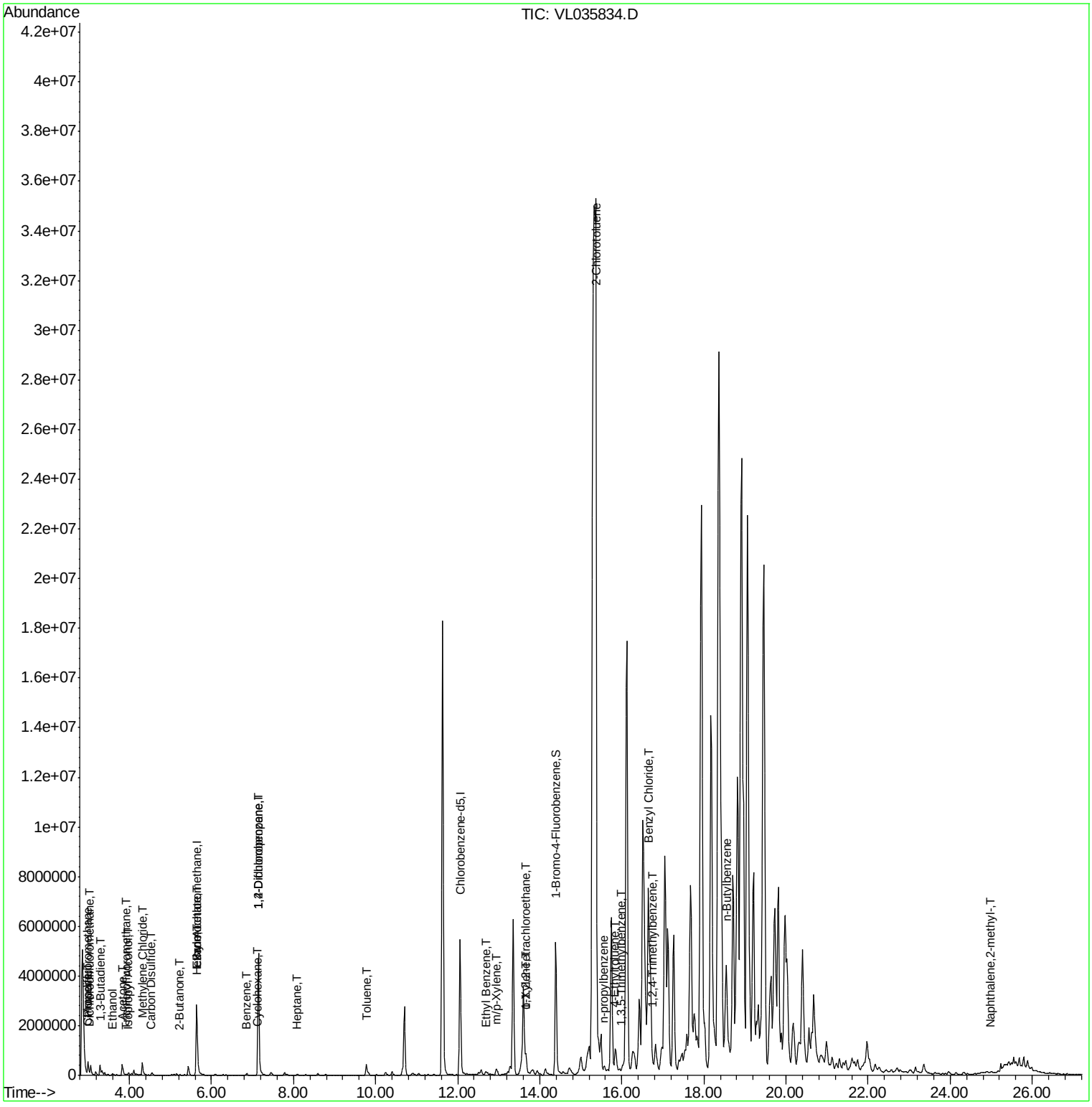
(#) = qualifier out of range (m) = manual integration (+) = signals summed

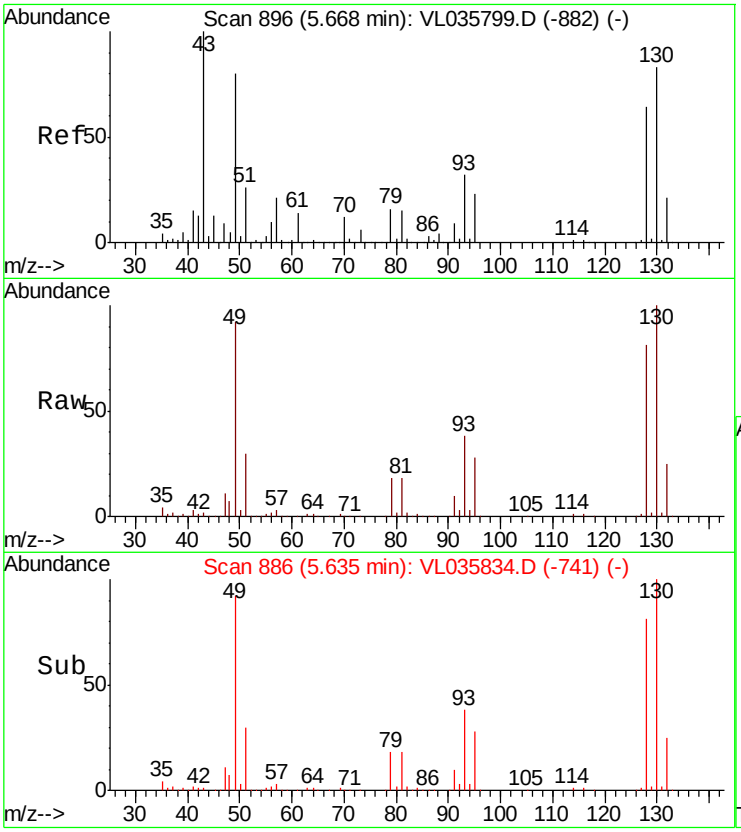
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035834.D
Acq On : 4 Nov 2020 15:32
Operator : SY/AP
Sample : L4610-02 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 05 02:55:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration



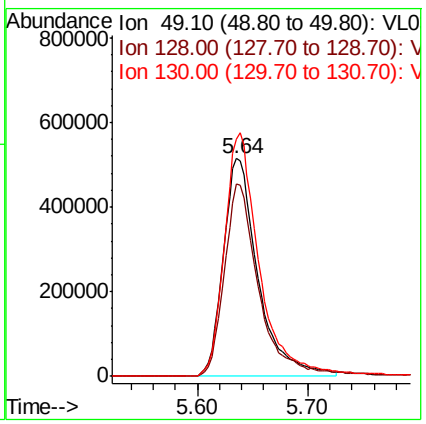


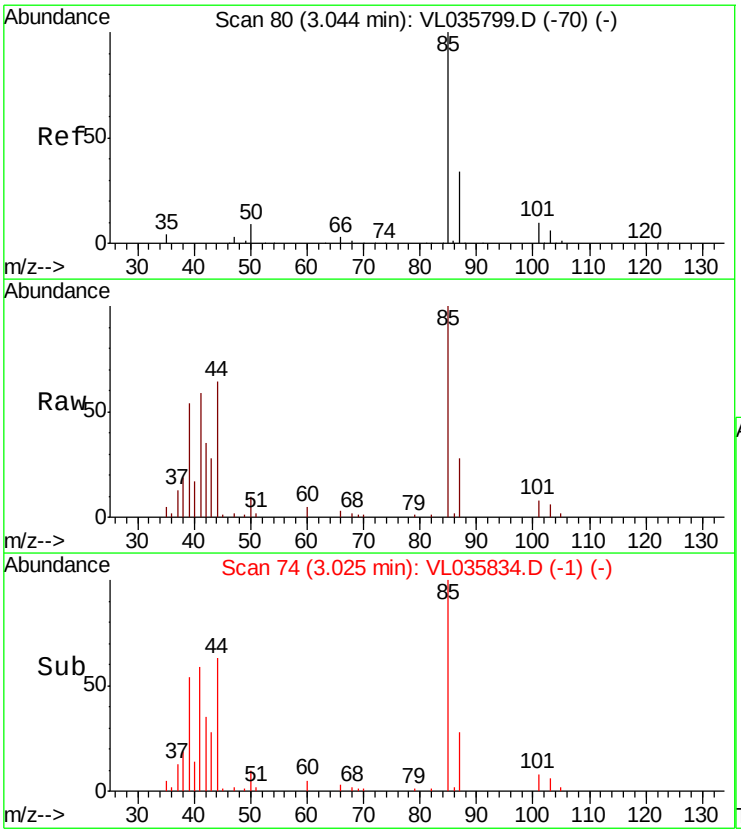
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1124498

Ion	Ratio	Lower	Upper
49	100		
128	89.9	41.5	124.6
130	114.5	53.7	161.1

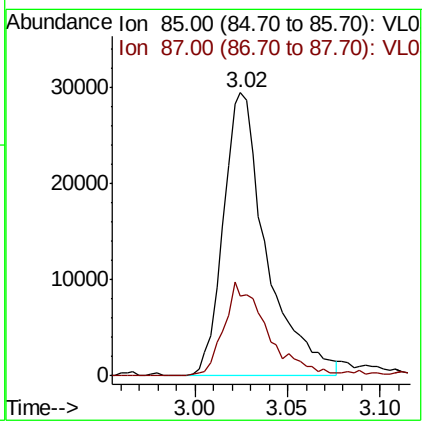


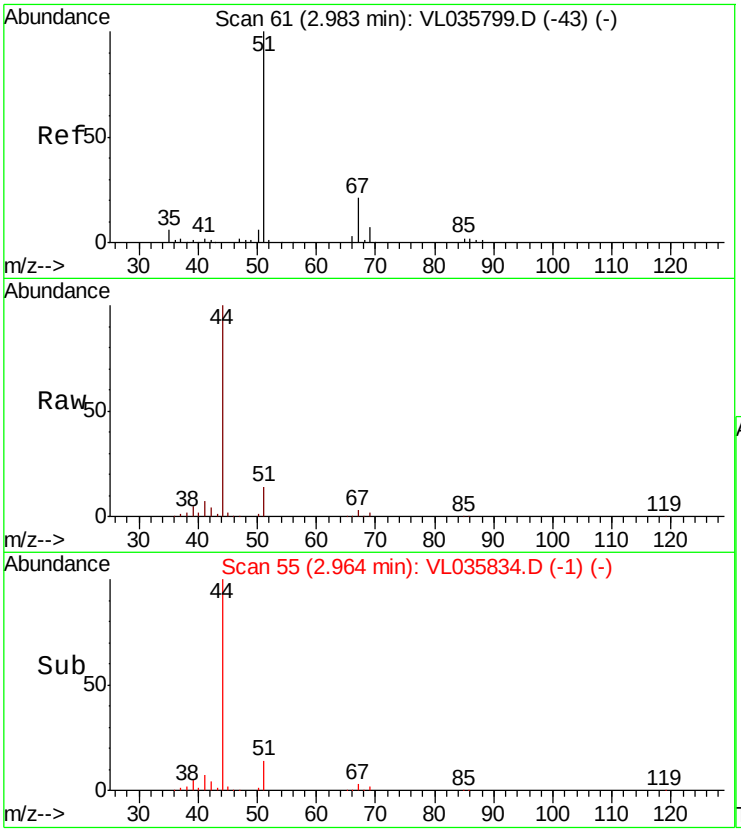


#2
Dichlorodifluoromethane
Concen: 0.225 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.02 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 85 Resp: 47608

Ion	Ratio	Lower	Upper
85	100		
87	28.3	27.1	40.7

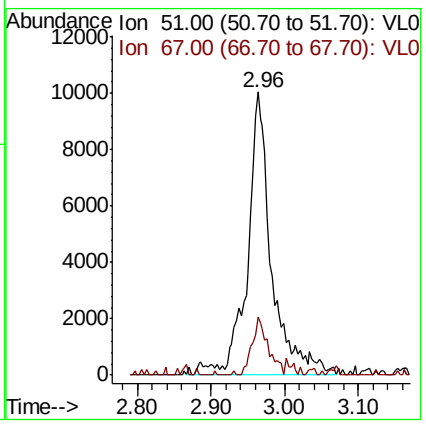




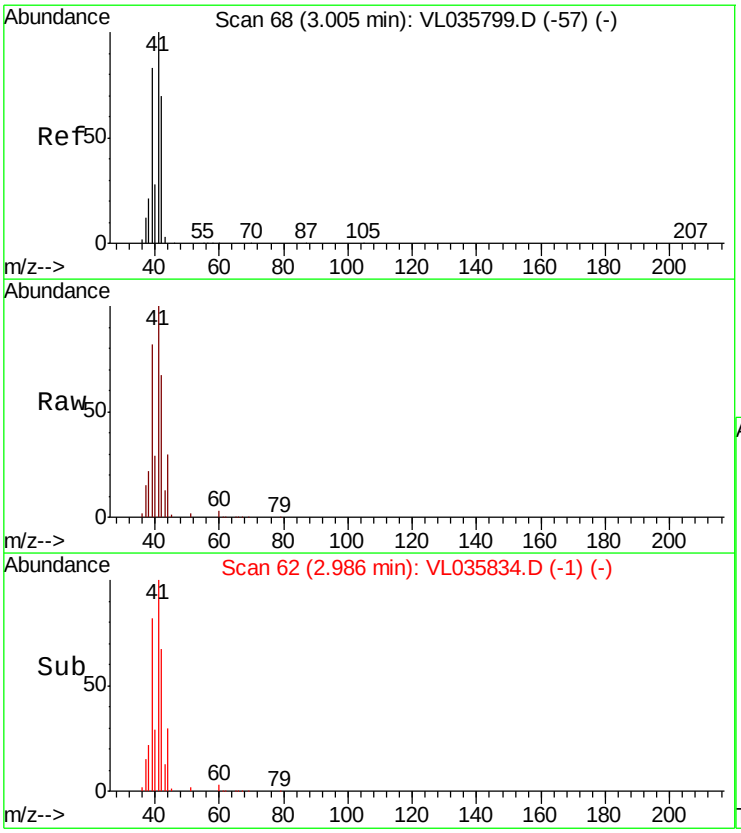
#3
Chlorodifluoromethane
Concen: 0.170 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.02 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 51 Resp: 22903

Ion	Ratio	Lower	Upper
51	100		
67	17.2	17.0	25.4



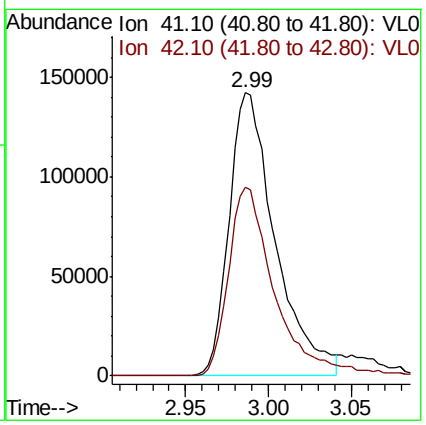
Instrument :
MSVOA_L
ClientSampleId :

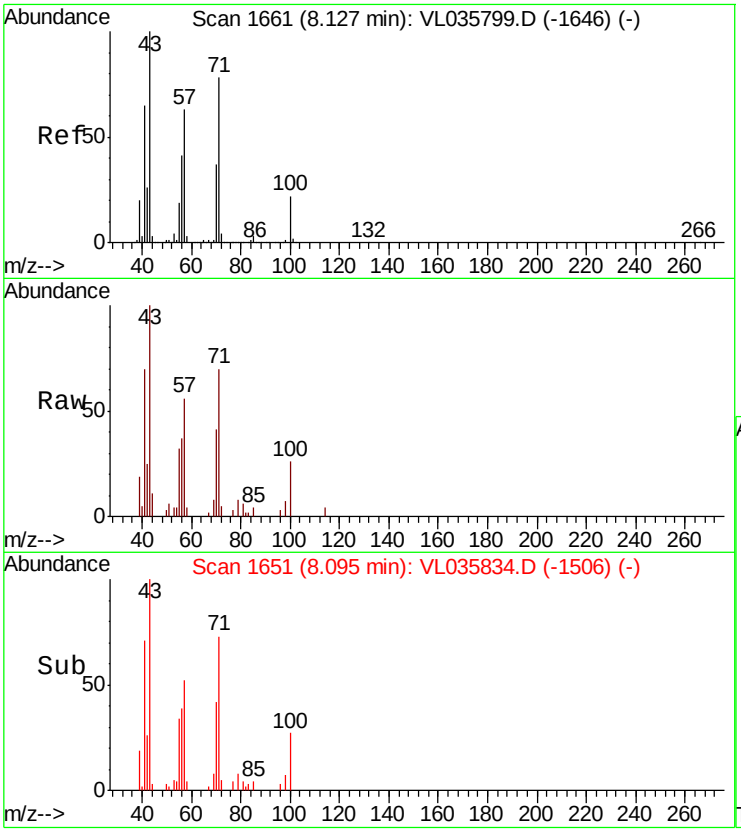


#9
Propene
Concen: 5.579 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.02 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 41 Resp: 274959

Ion	Ratio	Lower	Upper
41	100		
42	67.3	56.2	84.4



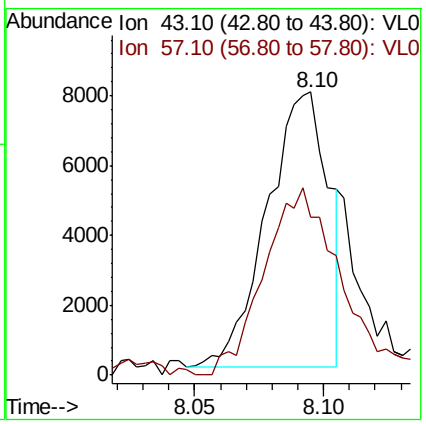


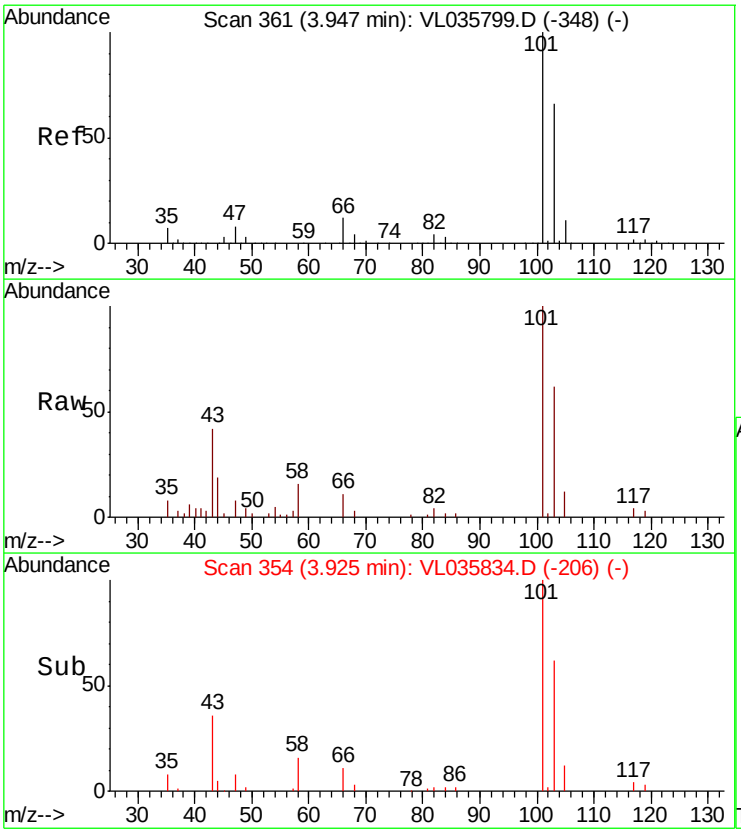
#10
Heptane
Concen: 0.096 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 13039

Ion	Ratio	Lower	Upper
43	100		
57	86.9	50.0	75.0#

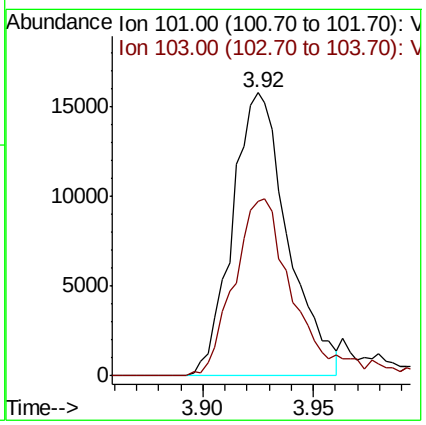


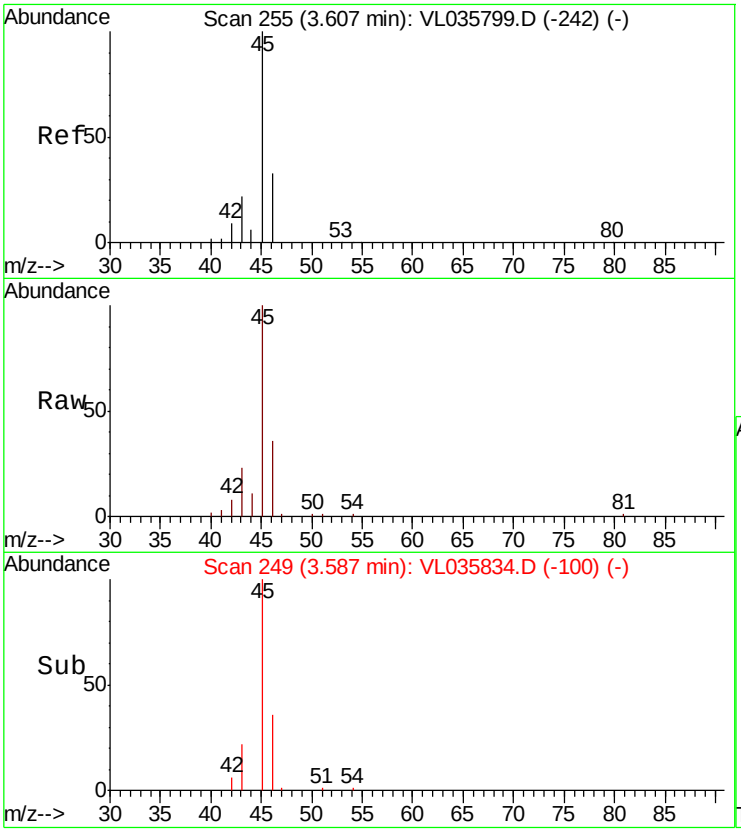


#11
Trichlorofluoromethane
Concen: 0.104 ppbv
RT: 3.92 min Scan# 354
Delta R.T. -0.02 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion:101 Resp: 27642

Ion	Ratio	Lower	Upper
101	100		
103	61.6	53.0	79.4



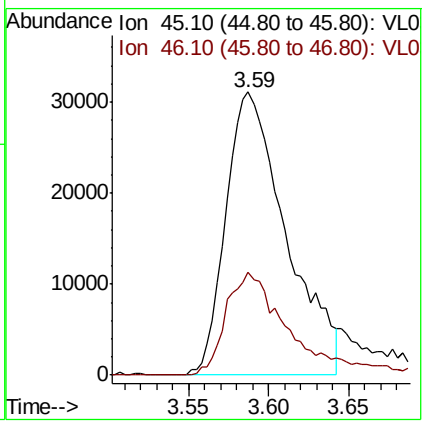


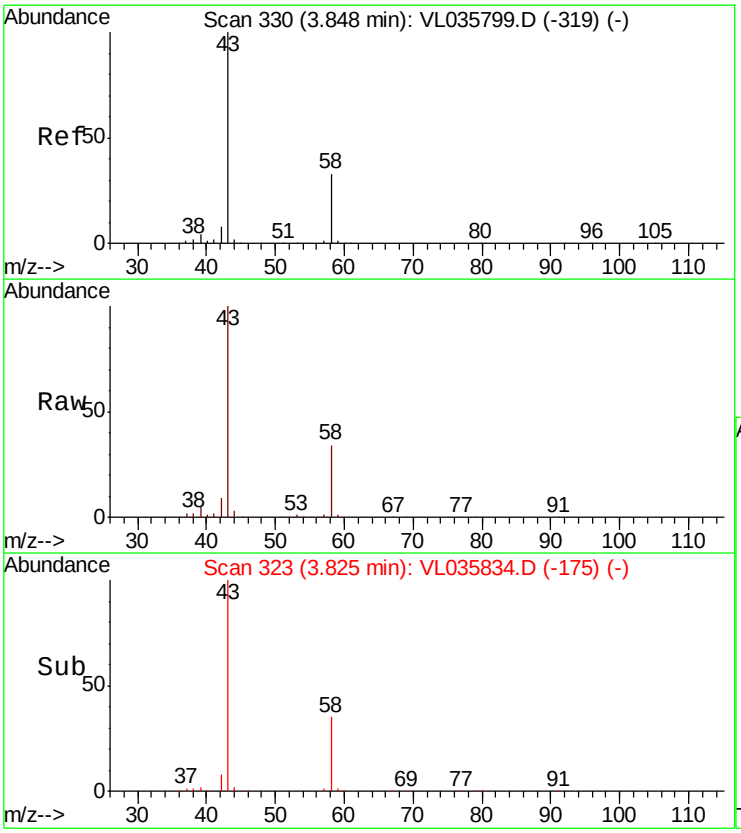
#13
Ethanol
Concen: 7.526 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 80471

Ion	Ratio	Lower	Upper
45	100		
46	38.7	16.1	64.5

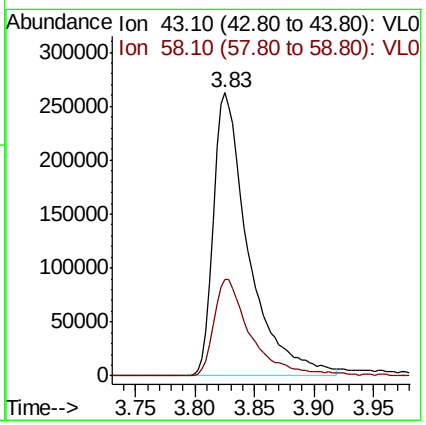


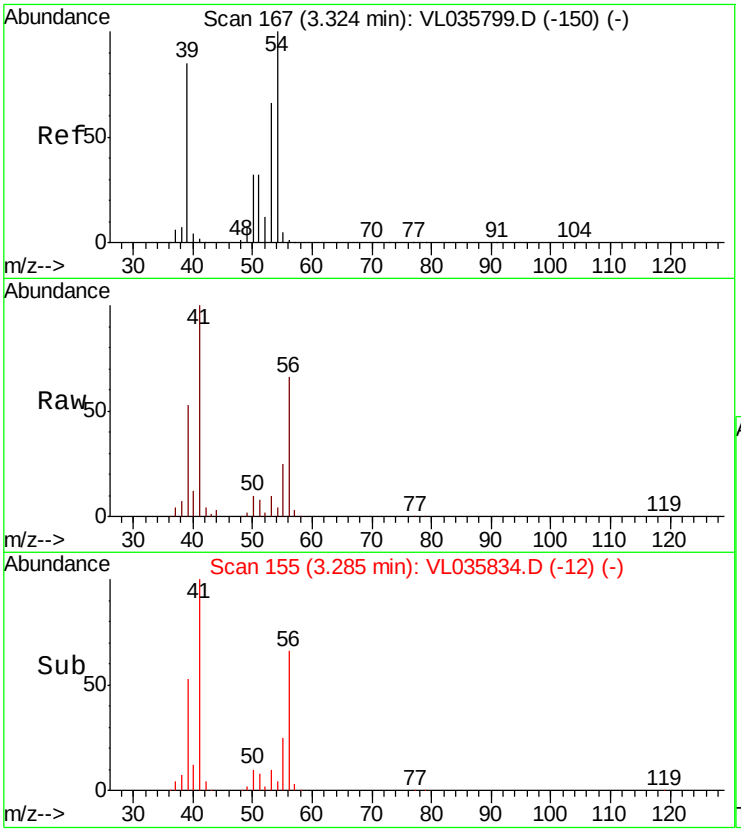


#15
Acetone
Concen: 4.459 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.02 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 43 Resp: 536096

Ion	Ratio	Lower	Upper
43	100		
58	36.7	27.5	41.3



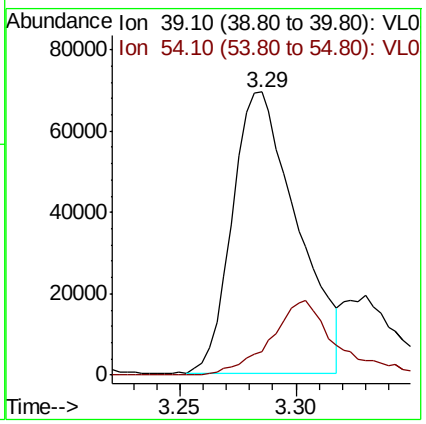


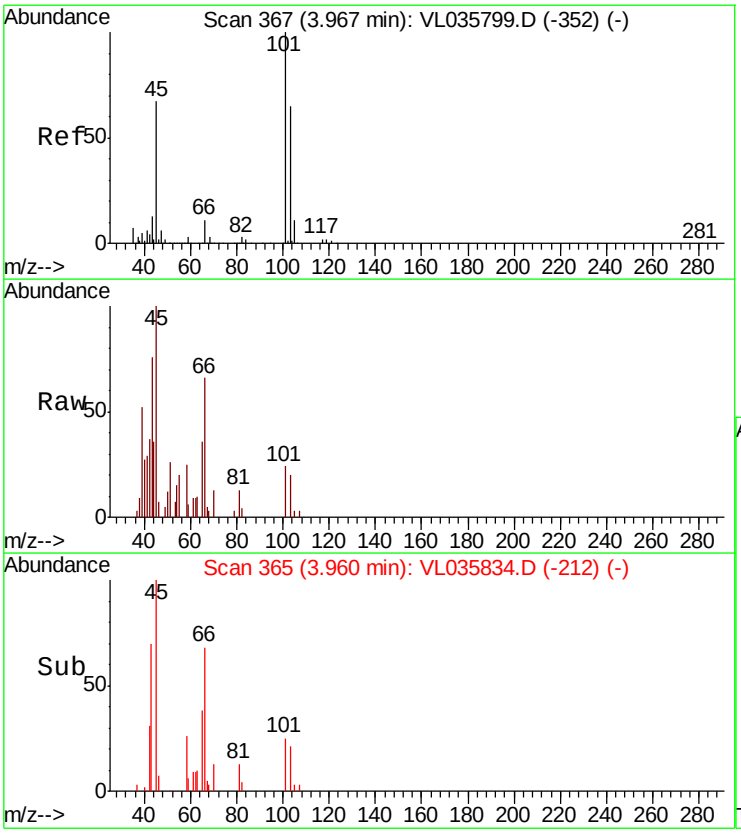
#16
1,3-Butadiene
Concen: 2.598 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.04 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 134490

Ion	Ratio	Lower	Upper
39	100		
54	27.2	87.1	130.7#

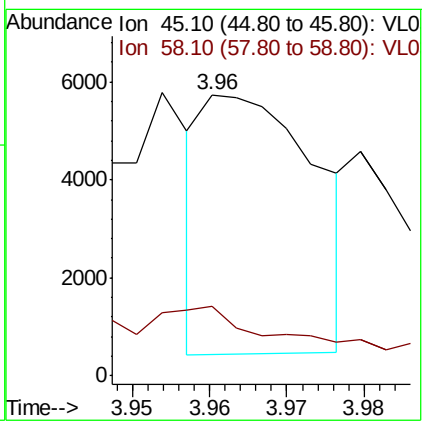


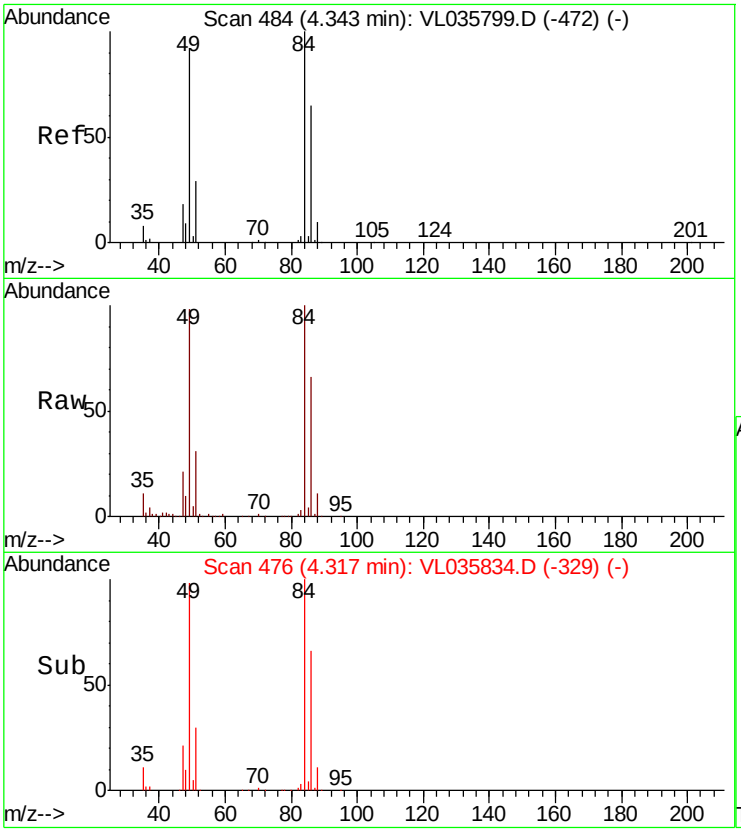


#19
Isopropyl Alcohol
Concen: 0.072 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 45 Resp: 5331

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.6	3.8#



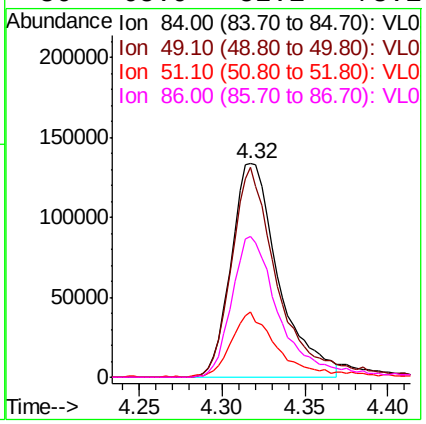


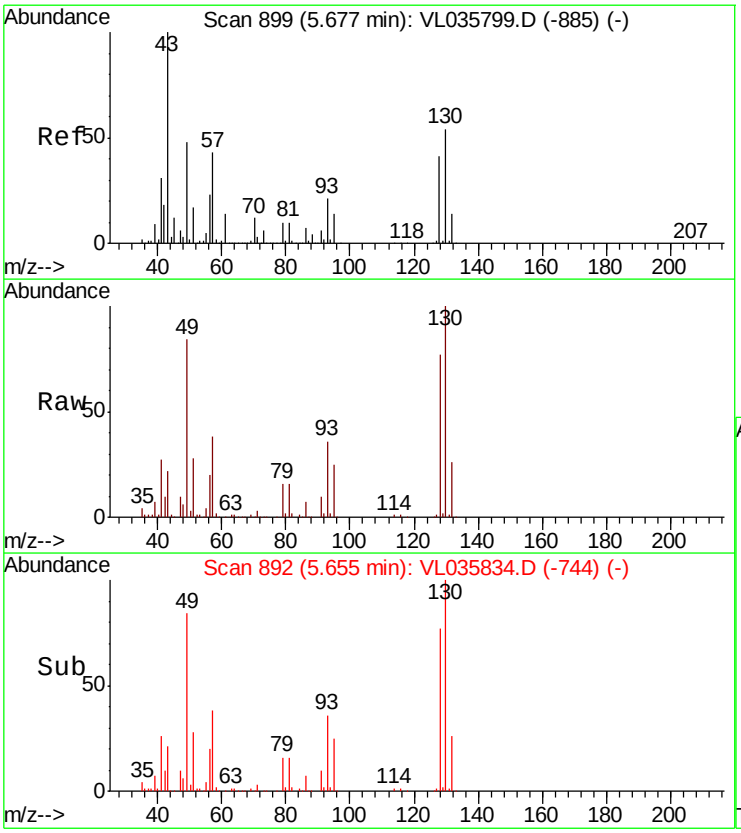
#20
Methylene Chloride
Concen: 3.135 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 265311

Ion	Ratio	Lower	Upper
84	100		
49	98.3	73.8	110.8
51	30.3	23.0	34.4
86	65.9	52.1	78.1

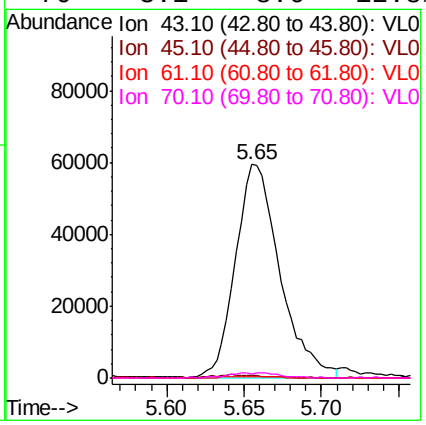


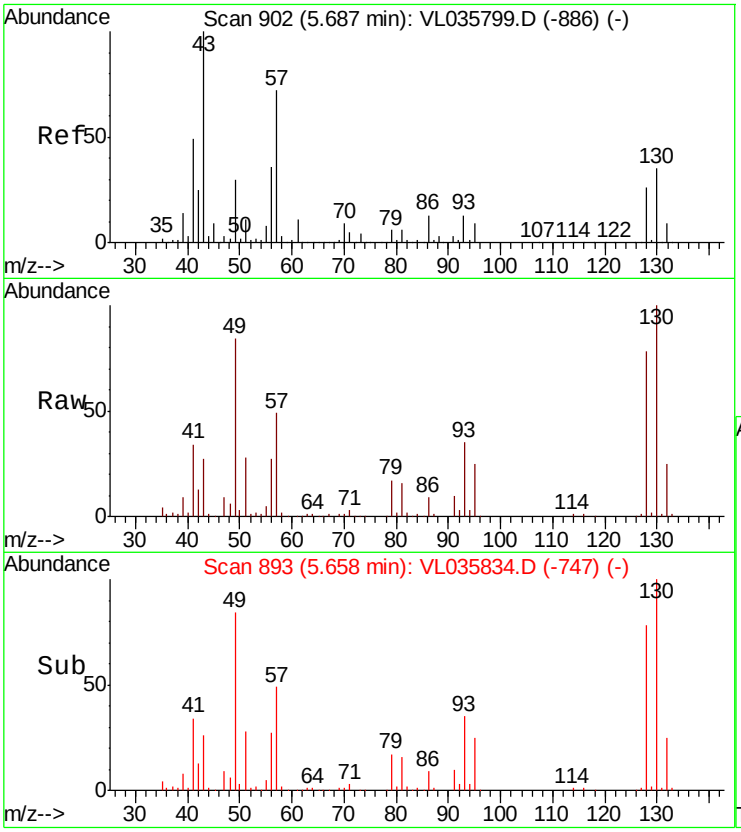


#25
Ethyl Acetate
Concen: 0.499 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 43 Resp: 118171

Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.5	12.7#
61	0.8	10.7	16.1#
70	3.1	8.6	12.8#



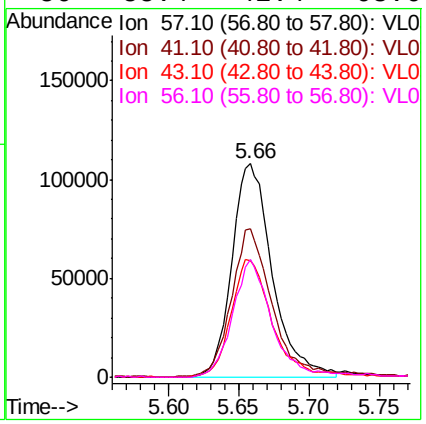


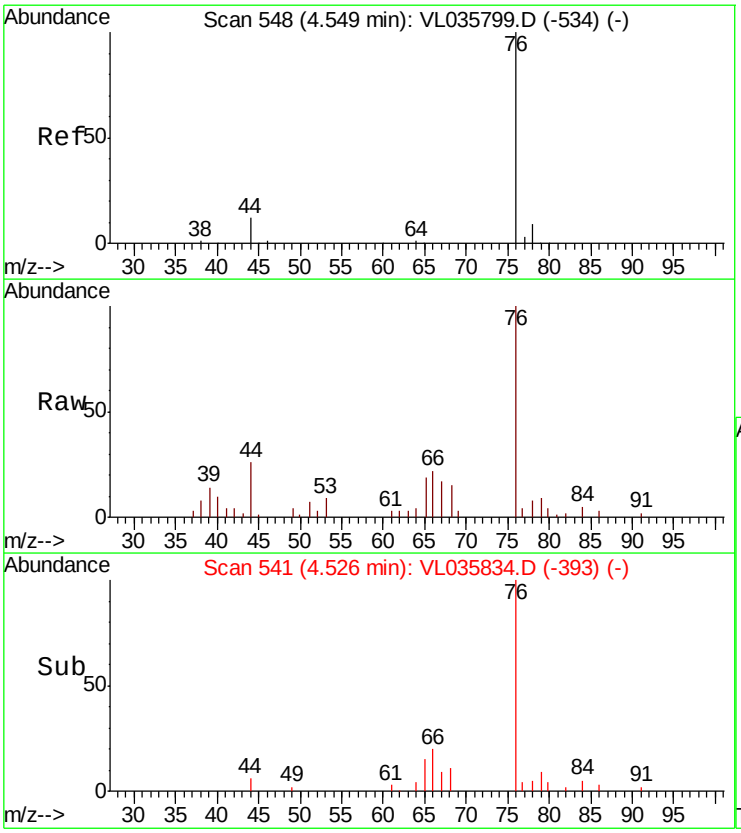
#26
Hexane
Concen: 1.659 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 216676

Ion	Ratio	Lower	Upper
57	100		
41	71.4	58.9	88.3
43	56.2	150.2	225.2#
56	55.4	42.4	63.6

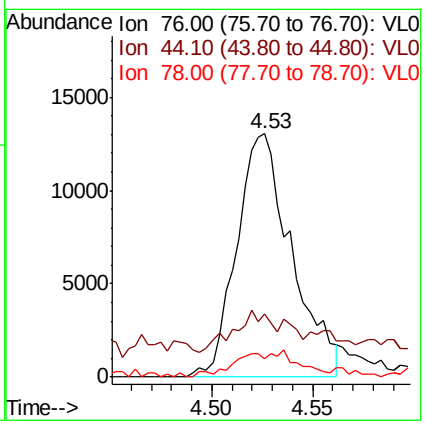


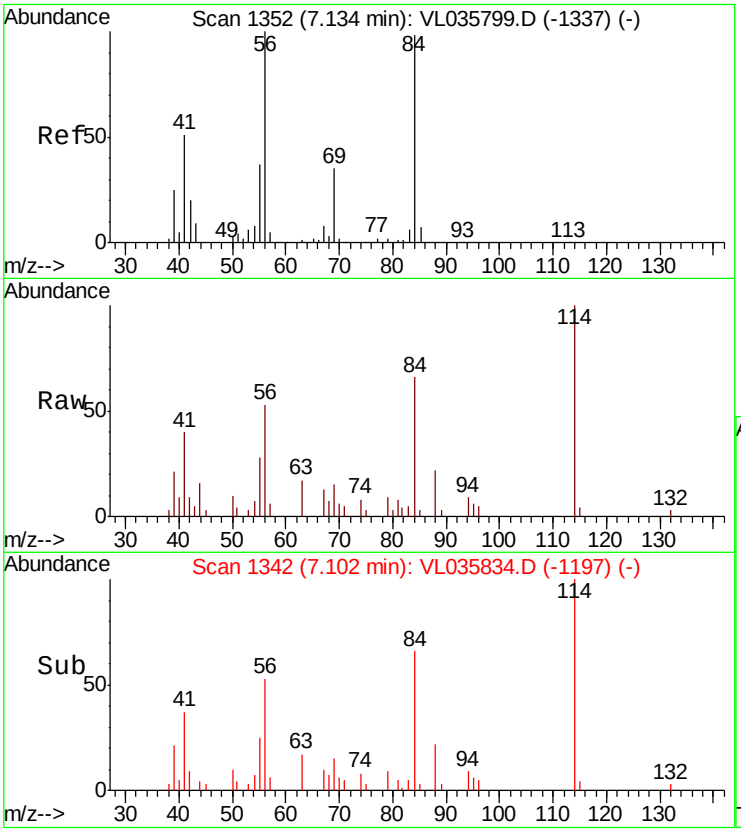


#27
Carbon Disulfide
Concen: 0.127 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.02 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 76 Resp: 24824

Ion	Ratio	Lower	Upper
76	100		
44	22.5	9.9	14.9#
78	14.6	8.1	12.1#



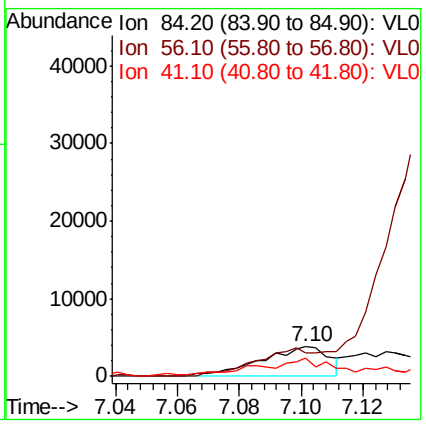


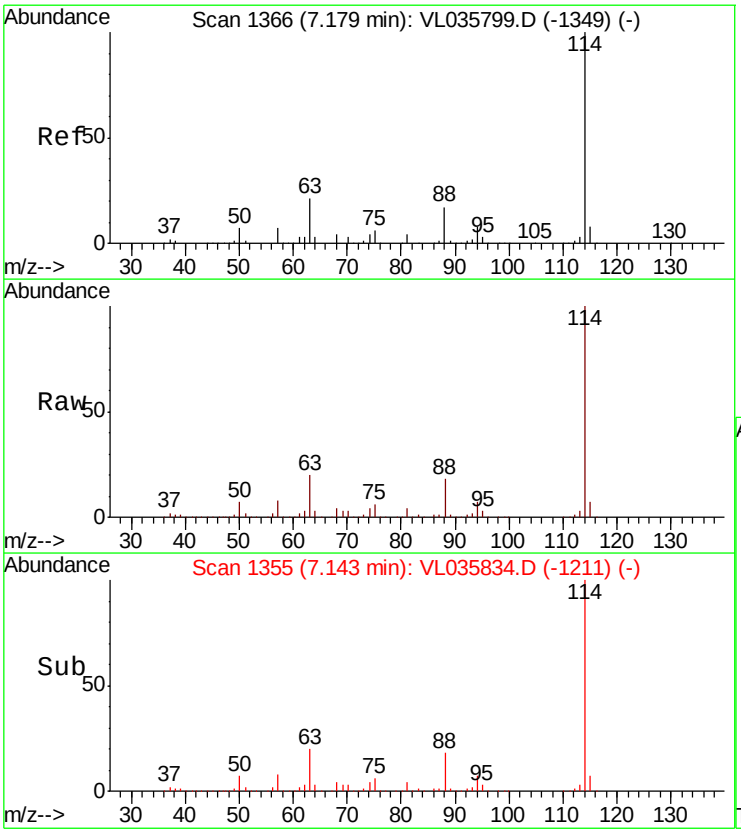
#30
Cyclohexane
Concen: 0.042 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 5913

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	98.7	42.1	63.1#

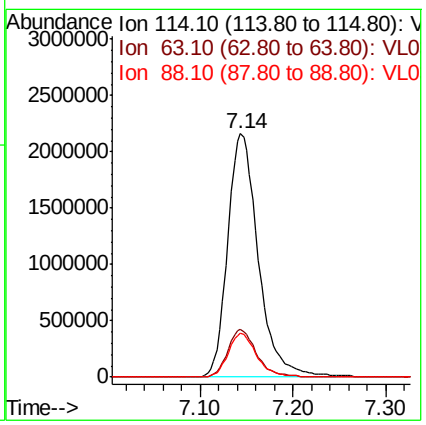


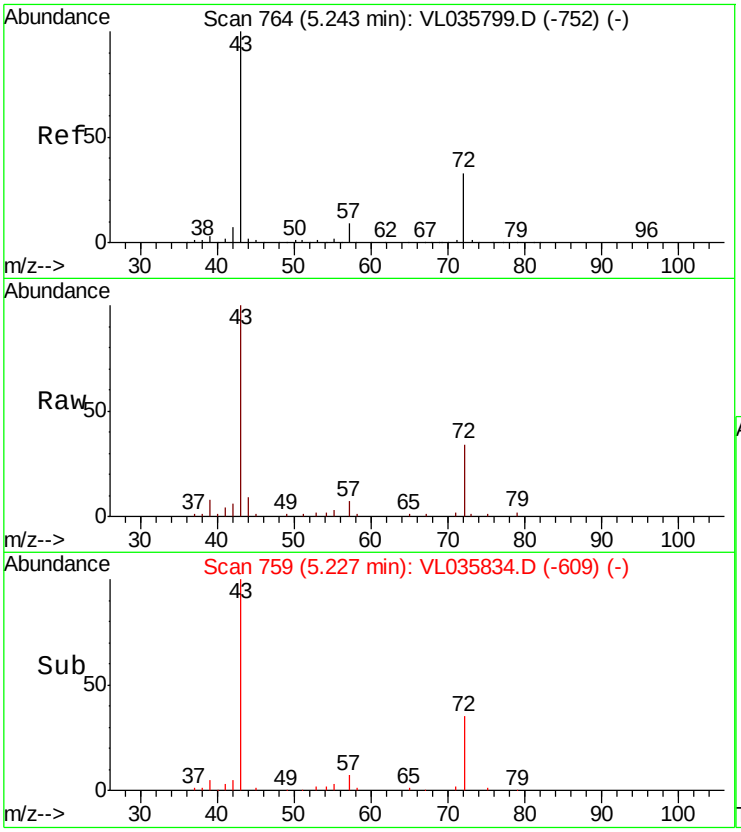


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion:114 Resp: 4938105

Ion	Ratio	Lower	Upper
114	100		
63	18.7	16.1	24.1
88	17.0	13.7	20.5



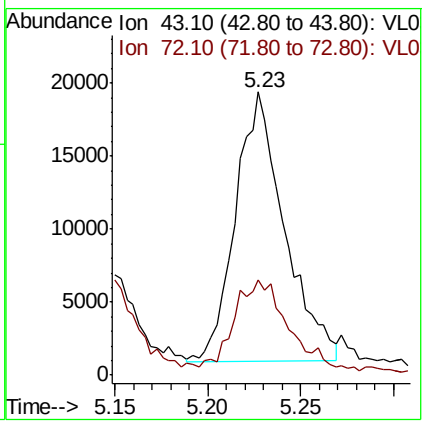


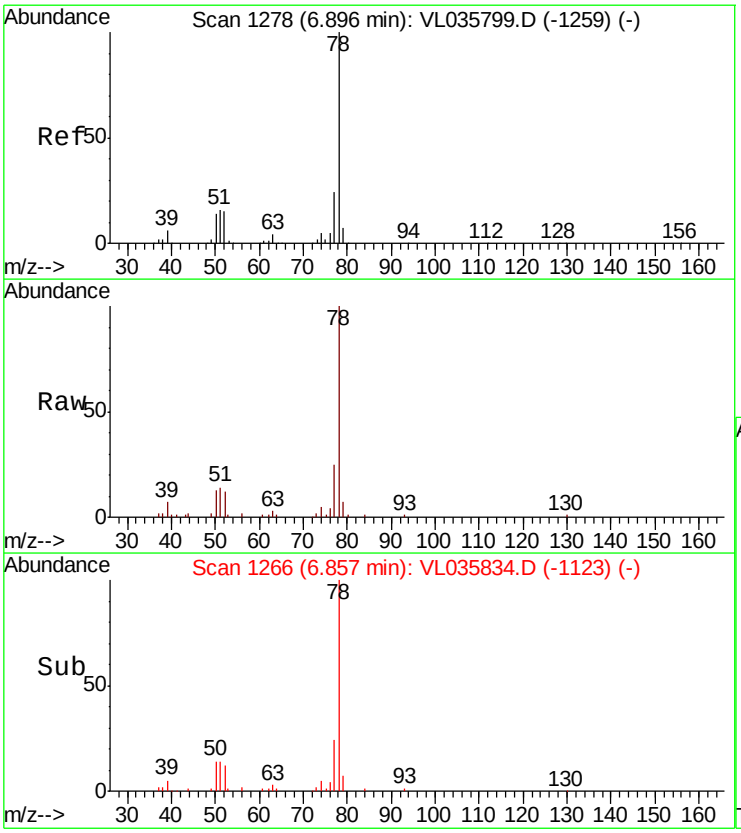
#34
2-Butanone
Concen: 0.211 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.02 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 33860

Ion	Ratio	Lower	Upper
43	100		
72	44.5	26.5	39.7#

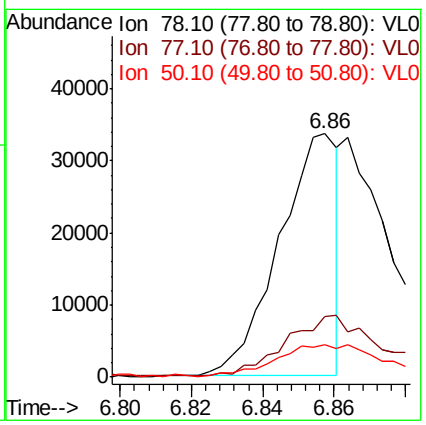


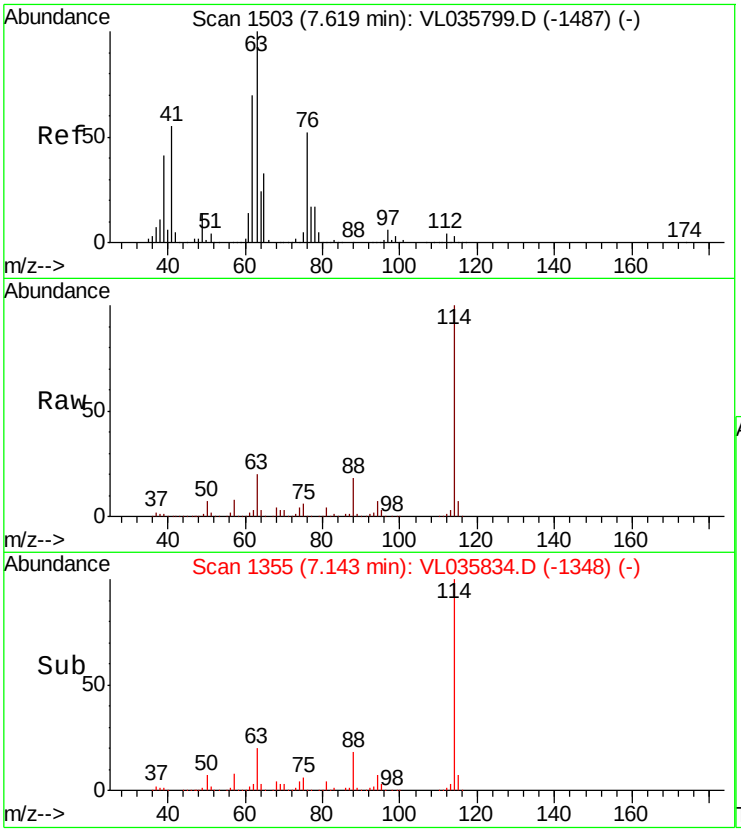


#36
Benzene
Concen: 0.104 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.04 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 78 Resp: 38231

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9
50	12.8	11.4	17.2



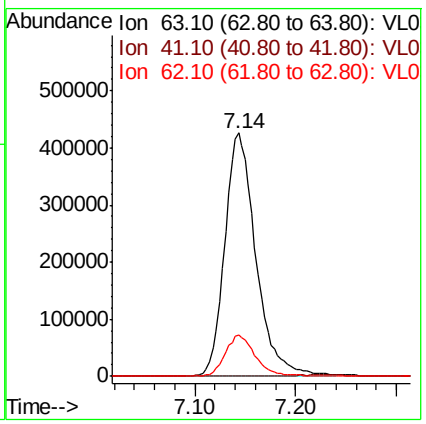


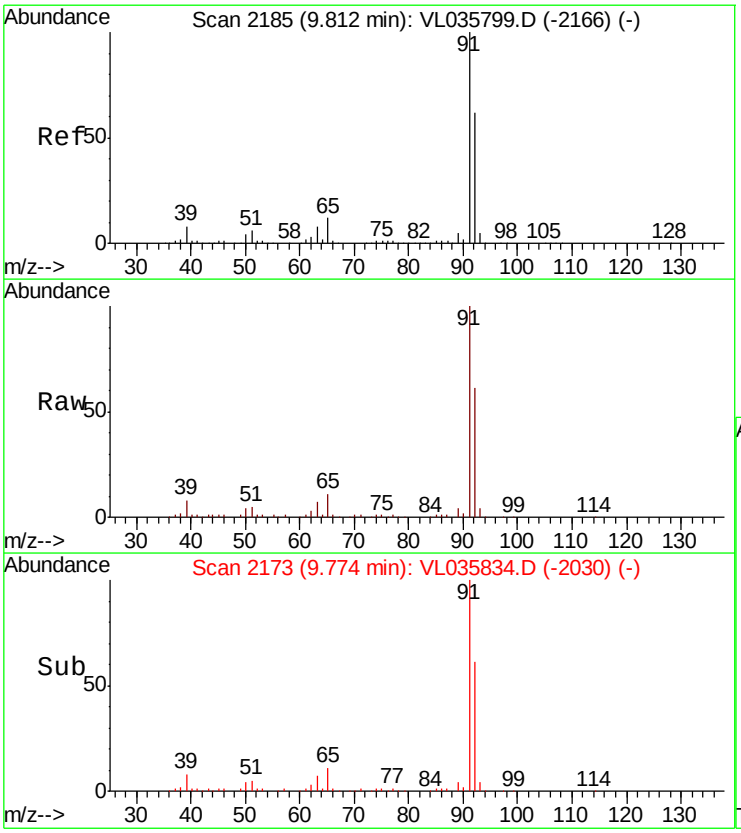
#39
1,2-Dichloropropane
Concen: 7.424 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.48 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 917576

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.8	56.2	84.2#

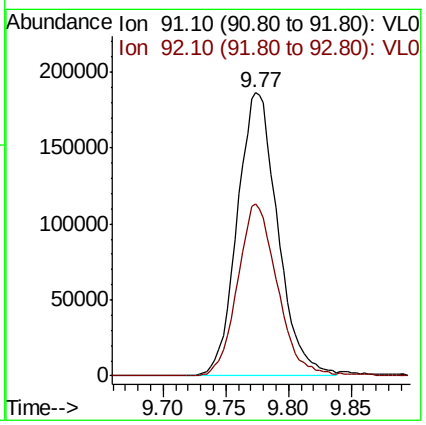


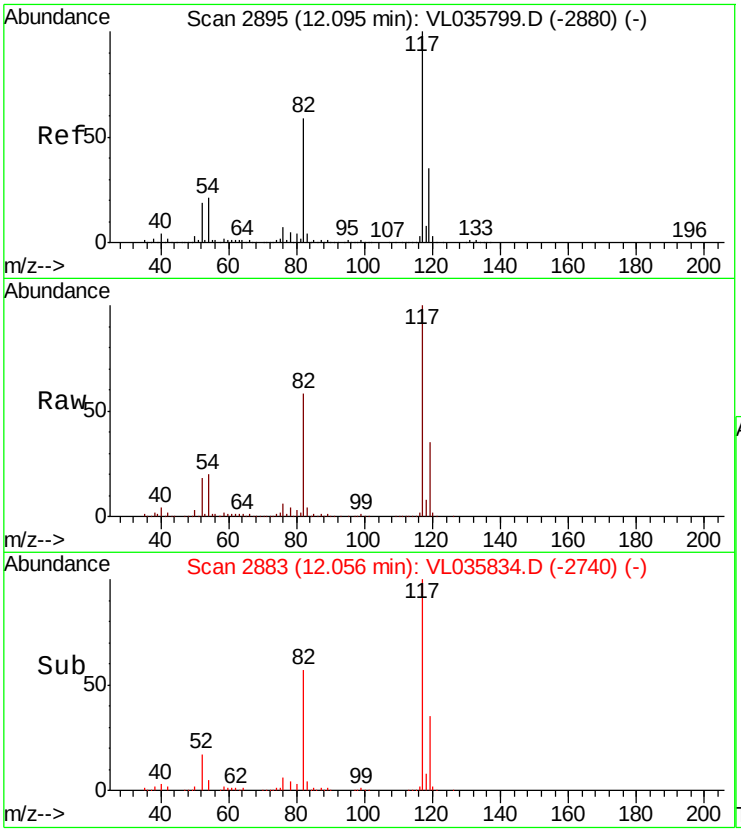


#53
Toluene
Concen: 0.943 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.04 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 91 Resp: 417678

Ion	Ratio	Lower	Upper
91	100		
92	60.0	49.8	74.6



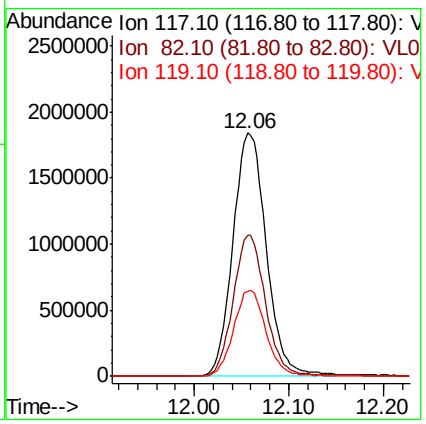


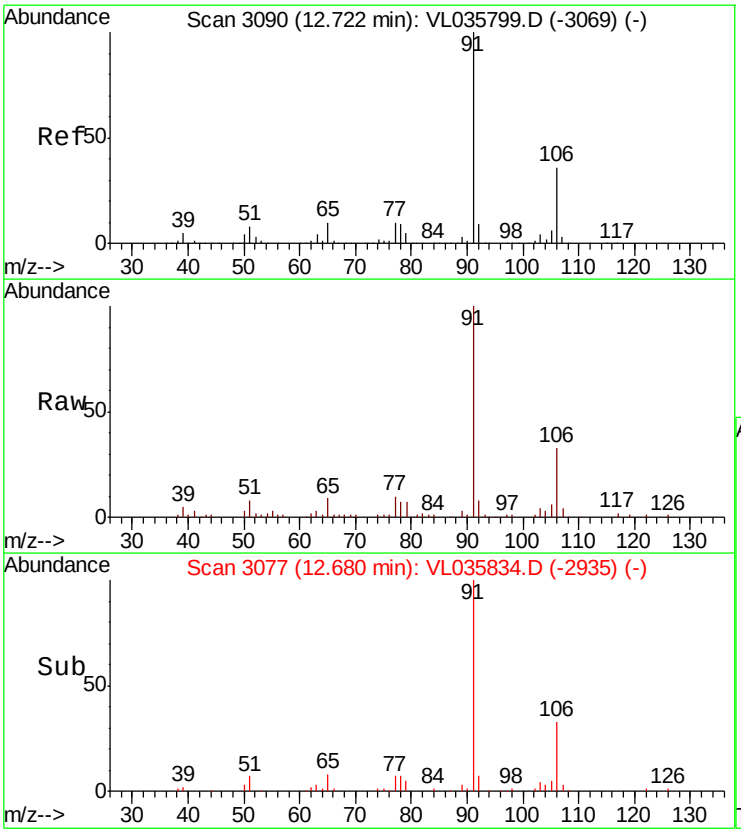
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 4524086

Ion	Ratio	Lower	Upper
117	100		
82	57.3	50.6	76.0
119	34.7	52.6	78.8#

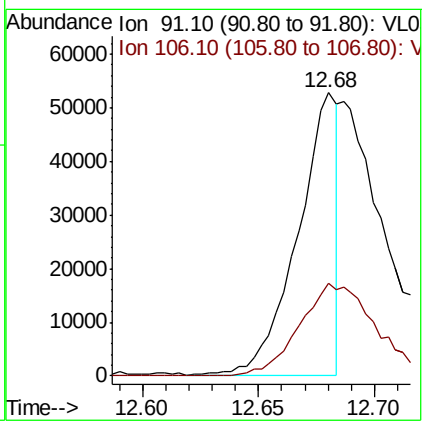


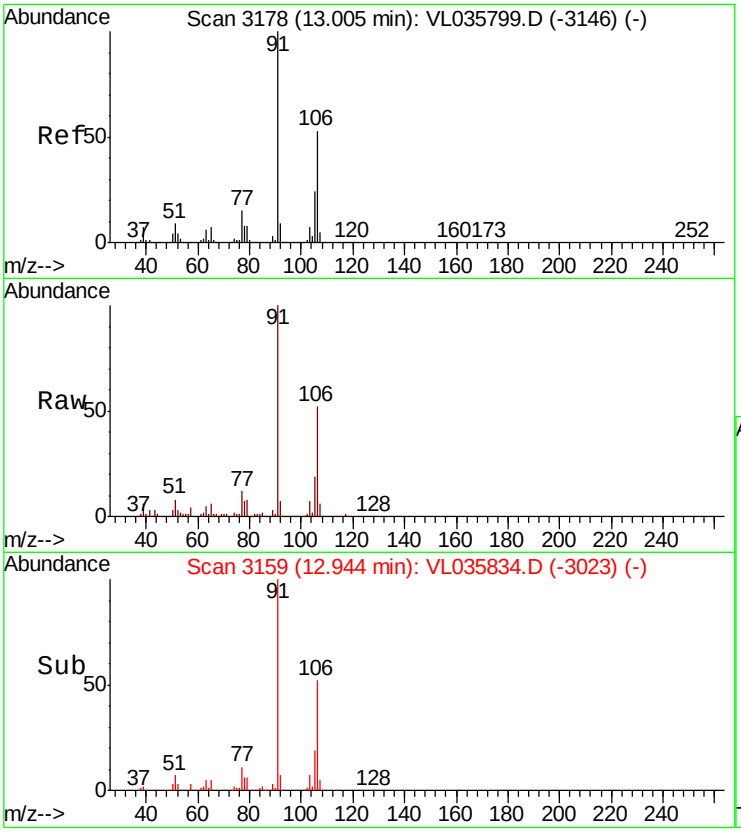


#58
Ethyl Benzene
Concen: 0.113 ppbv
RT: 12.68 min Scan# 3077
Delta R.T. -0.04 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 91 Resp: 62301

Ion	Ratio	Lower	Upper
91	100		
106	32.7	28.6	43.0



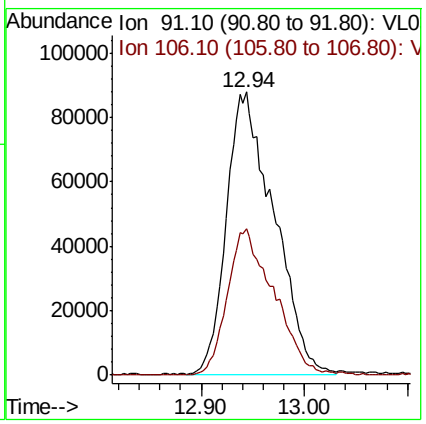


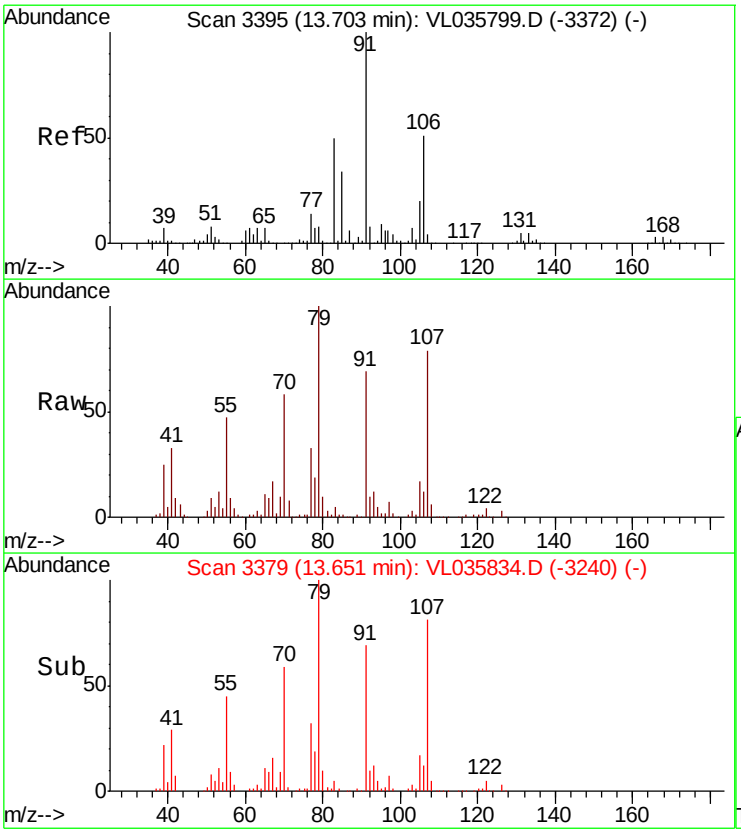
#59
m/p-Xylene
Concen: 0.600 ppbv
RT: 12.94 min Scan# 3159
Delta R.T. -0.06 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 279659

Ion	Ratio	Lower	Upper
91	100		
106	51.1	39.5	59.3

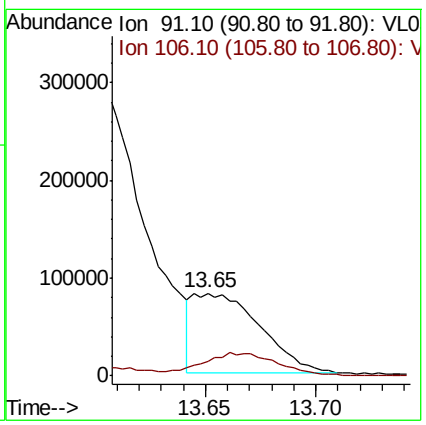


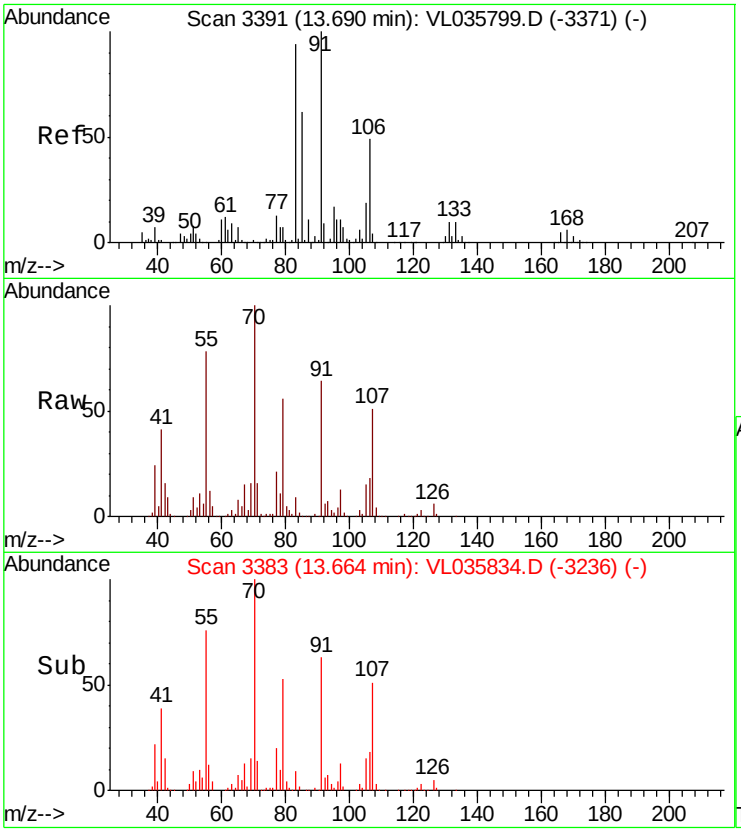


#60
o-Xylene
Concen: 0.378 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.05 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 91 Resp: 171373

Ion	Ratio	Lower	Upper
91	100		
106	32.6	24.8	74.4



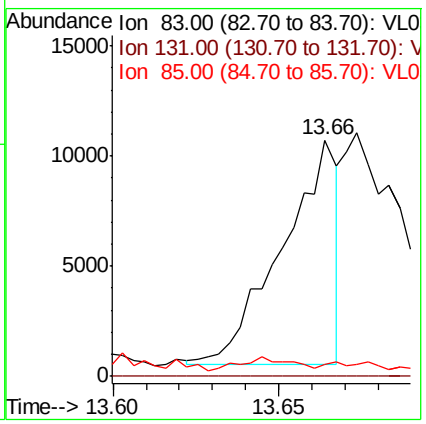


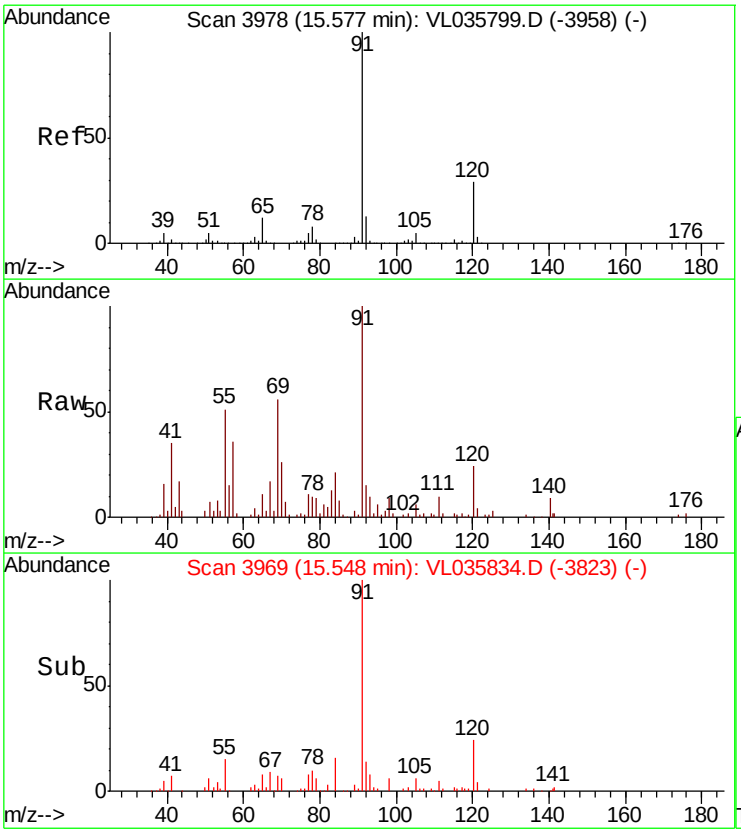
#63
1,1,2,2-Tetrachloroethane
Concen: 0.034 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 11822

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.8#
85	11.1	33.5	100.4#

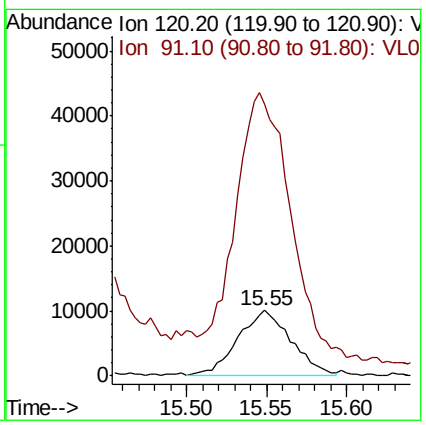


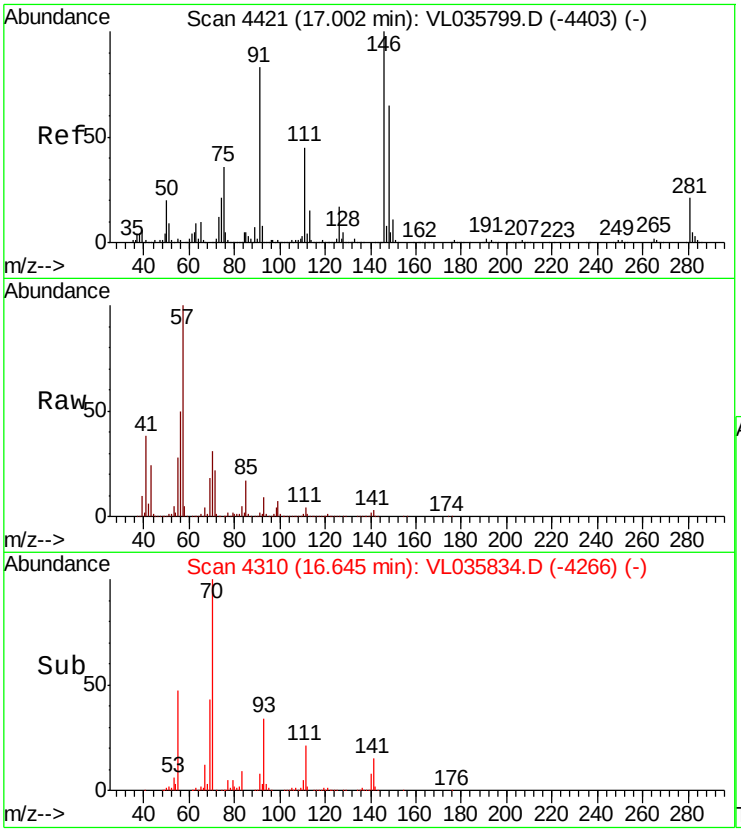


#64
n-propylbenzene
Concen: 0.109 ppbv
RT: 15.55 min Scan# 3969
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion:120 Resp: 22463

Ion	Ratio	Lower	Upper
120	100		
91	0.0	311.1	466.7#



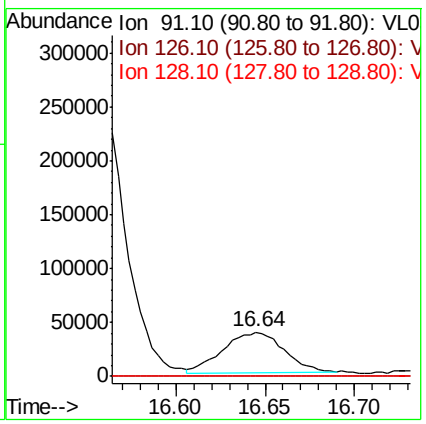


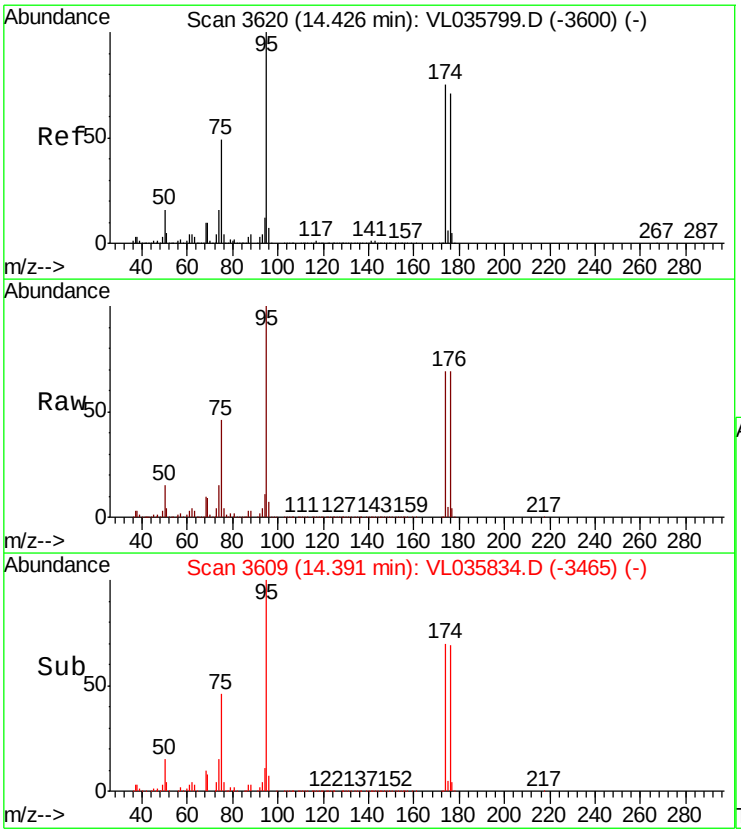
#66
Benzyl Chloride
Concen: 0.426 ppbv
RT: 16.64 min Scan# 4310
Delta R.T. -0.36 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 91273

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.0	24.0#
128	0.0	5.0	7.4#

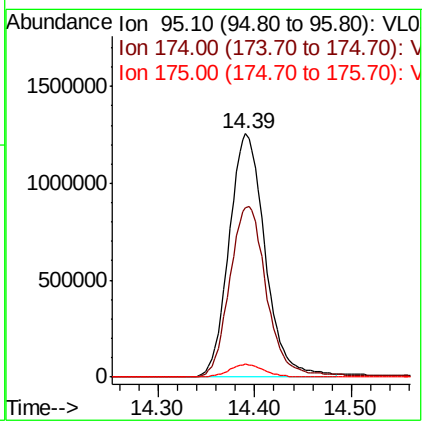


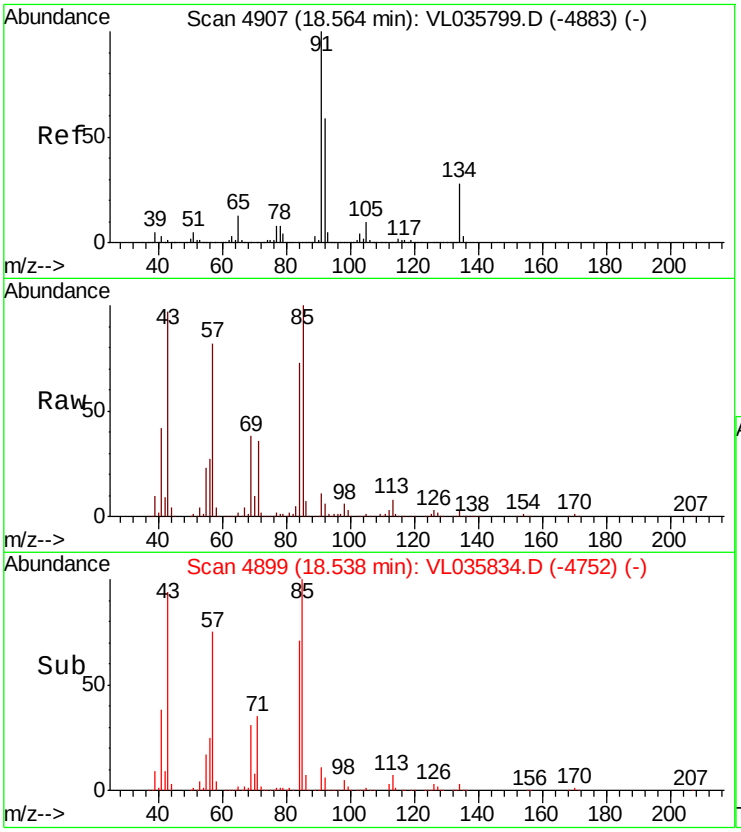


#68
1-Bromo-4-Fluorobenzene
Concen: 10.099 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.04 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 95 Resp: 3245943

Ion	Ratio	Lower	Upper
95	100		
174	73.4	59.8	89.6
175	5.2	4.3	6.5



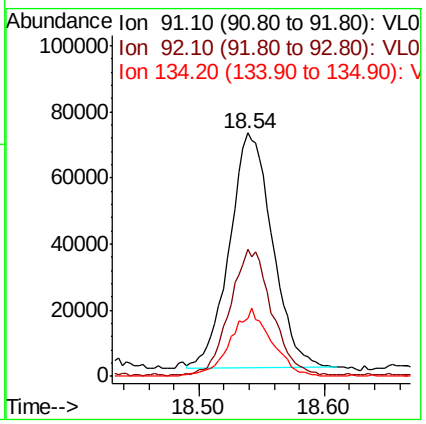


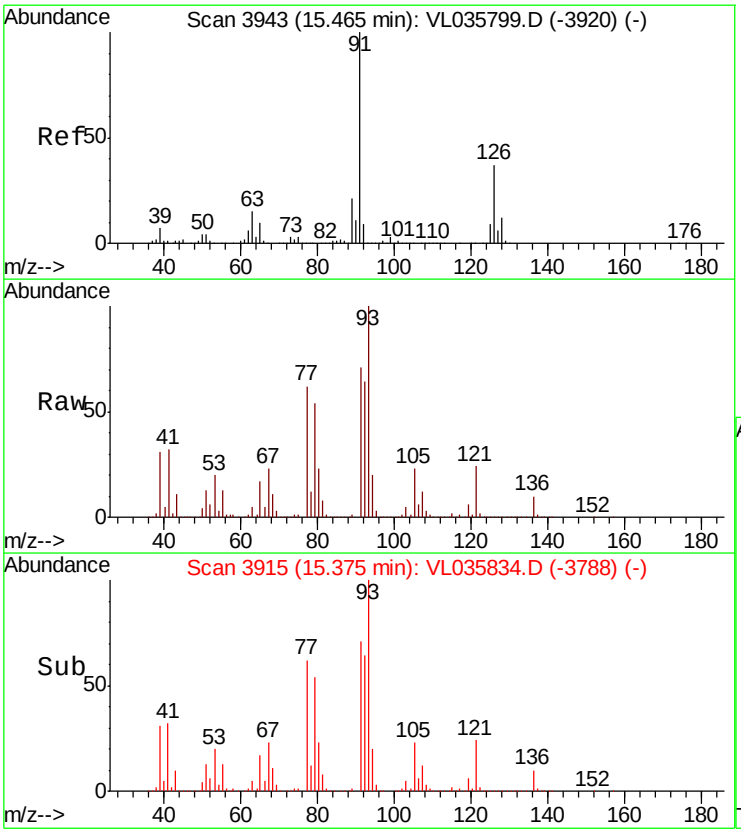
#70
n-Butylbenzene
Concen: 0.242 ppbv
RT: 18.54 min Scan# 4899
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 168297

Ion	Ratio	Lower	Upper
91	100		
92	52.5	45.7	68.5
134	27.6	21.0	31.4

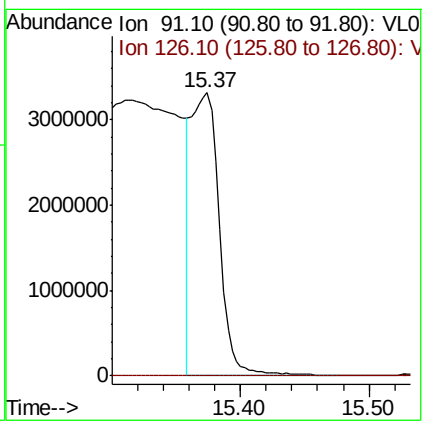


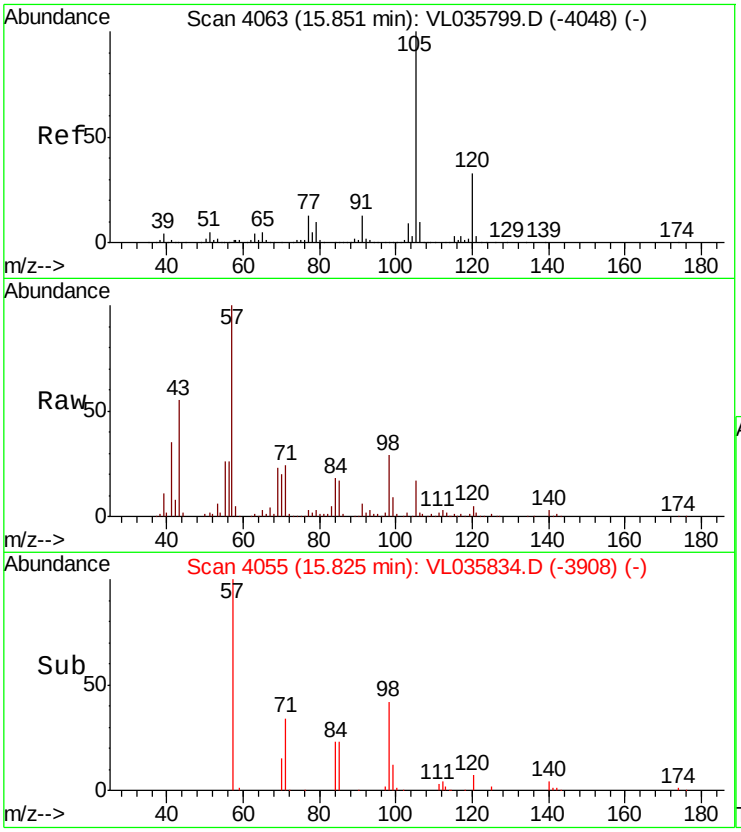


#71
2-Chlorotoluene
Concen: 9.545 ppbv
RT: 15.37 min Scan# 3915
Delta R.T. -0.09 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion: 91 Resp: 4976544

Ion	Ratio	Lower	Upper
91	100		
126	0.1	14.3	57.1#



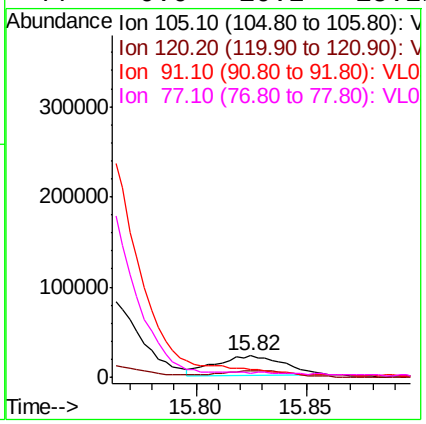


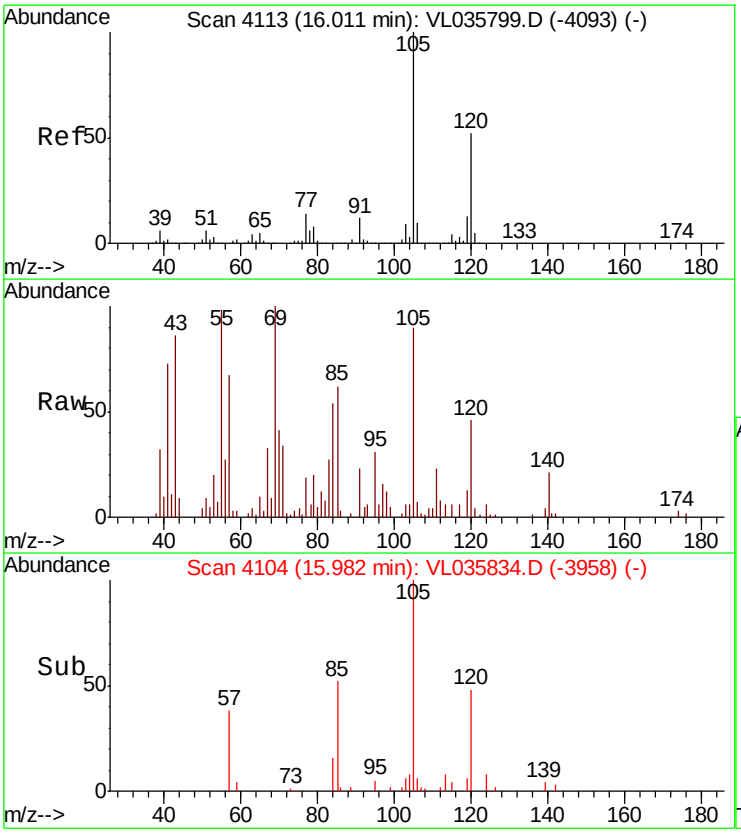
#72
4-Ethyltoluene
Concen: 0.086 ppbv
RT: 15.82 min Scan# 4055
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 47358

Ion	Ratio	Lower	Upper
105	100		
120	37.5	25.9	38.9
91	0.0	9.9	14.9#
77	0.0	10.2	15.2#

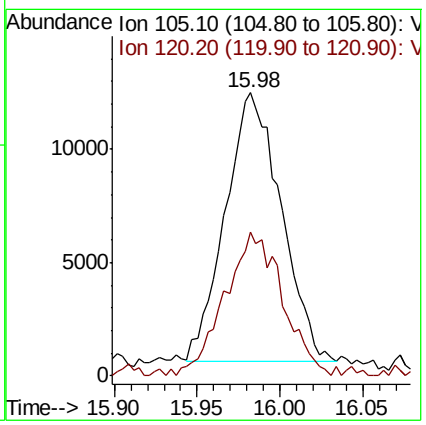


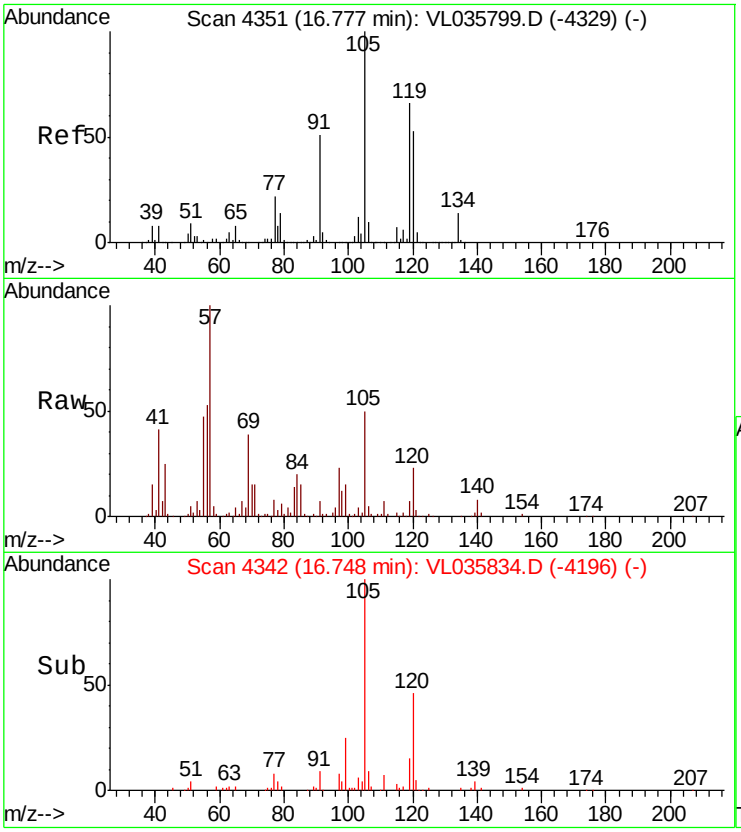


#73
1,3,5-Trimethylbenzene
Concen: 0.055 ppbv
RT: 15.98 min Scan# 4104
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion:105 Resp: 27695

Ion	Ratio	Lower	Upper
105	100		
120	50.0	41.4	62.2



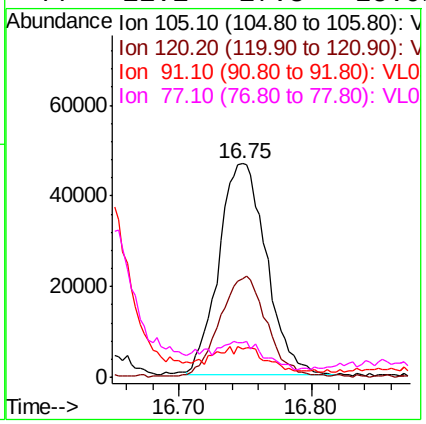


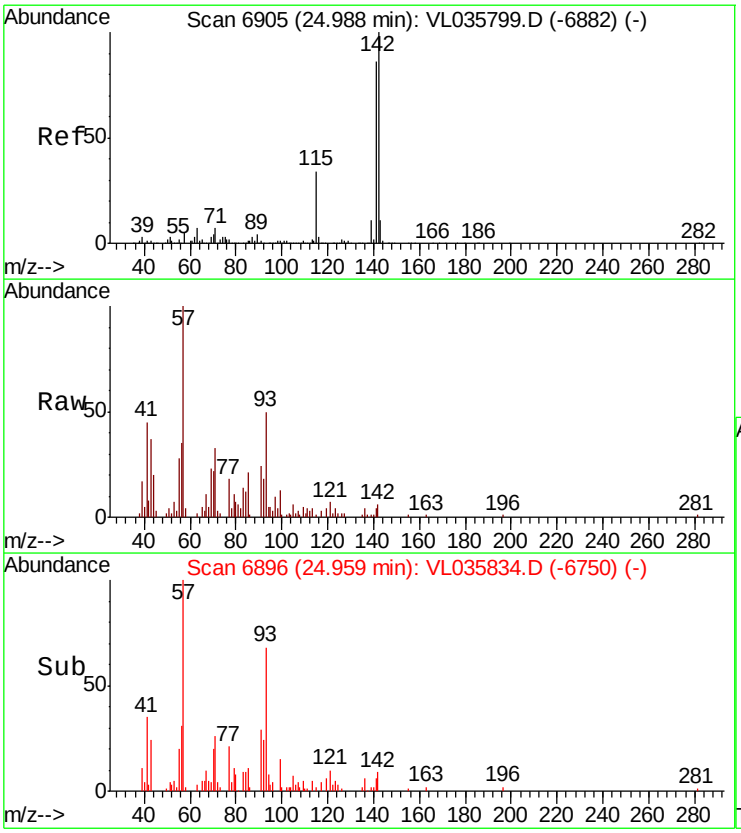
#74
1,2,4-Trimethylbenzene
Concen: 0.213 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 115012

Ion	Ratio	Lower	Upper
105	100		
120	45.9	42.0	63.0
91	10.8	41.0	61.6#
77	11.1	17.3	25.9#





#80
Naphthalene,2-methyl-
Concen: 0.047 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.03 min
Lab File: VL035834.D
Acq: 4 Nov 2020 15:32

Tgt Ion:142 Resp: 2867

Ion	Ratio	Lower	Upper
142	100		
141	81.9	67.8	101.8
115	19.0	28.1	42.1#