Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111220\
Data File : VL035914.D
Acq On : 12 Nov 2020 15:23
Operator : SY/AP
Sample : L4618-05DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SSSG-2DL

Quant Time: Nov 13 00:58:04 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	5.66	49	1224512	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	4222019	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	3969709	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2910902	10.32	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.98	51	19140	0.131	ppbv		94
4) Chloromethane	3.13	50	7508	0.105	ppbv		92
8) Dichlorotetrafluoroethane	3.18	85	8439	0.032	ppbv		98
9) Propene	3.20	41	88561	1.650	ppbv		96
11) Trichlorofluoromethane	3.94	101	24531	0.085	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.48	101	10284	0.048	ppbv		89
13) Ethanol	3.62	45	7132285	612.541	ppbv		97
15) Acetone	3.84	43	847674	6.475	ppbv		98
16) 1,3-Butadiene	3.35	39	758589	13.459	ppbv	#	1
19) Isopropyl Alcohol	3.62	45	7132285	88.656	ppbv	#	90
20) Methylene Chloride	4.34	84	287300	3.117	ppbv		98
25) Ethyl Acetate	5.68	43	169756	0.658	ppbv	#	75
26) Hexane	5.68	57	264892	1.862	ppbv	#	46
34) 2-Butanone	5.25	43	16598	0.121	ppbv	#	86
39) 1,2-Dichloropropane	7.18	63	870205	8.235	ppbv	#	30
50) 4-Methyl-2-Pentanone	8.74	43	6851	0.033	ppbv	#	31
52) Tetrachloroethene	11.23	164	8234	0.055	ppbv		96
53) Toluene	9.81	91	129723	0.343	ppbv		98
58) Ethyl Benzene	12.72	91	22390	0.046	ppbv		97
59) m/p-Xylene	12.99	91	18611	0.045	ppbv	#	1
60) o-Xylene	13.70	91	31134	0.078	ppbv		97

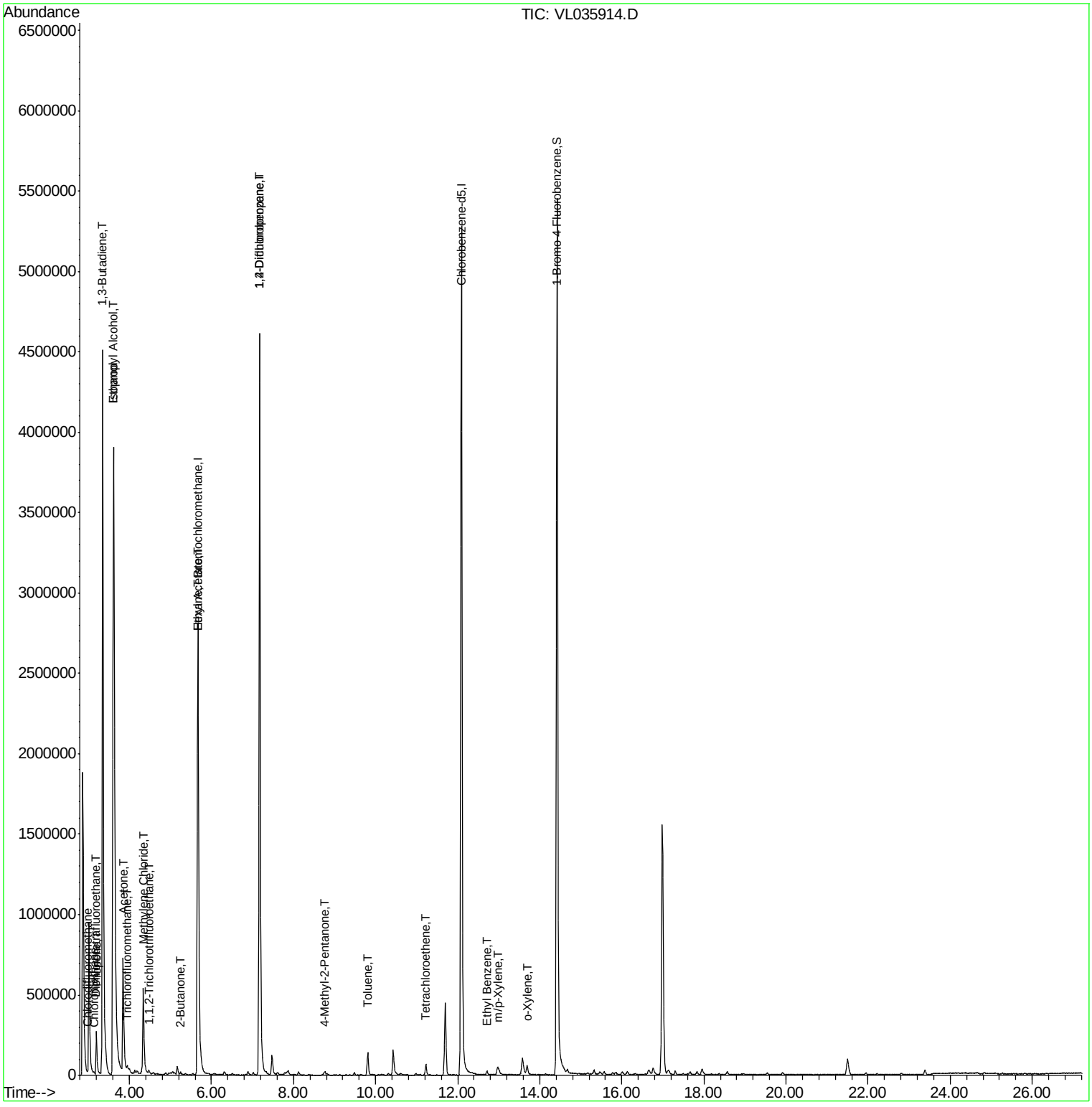
(#) = qualifier out of range (m) = manual integration (+) = signals summed

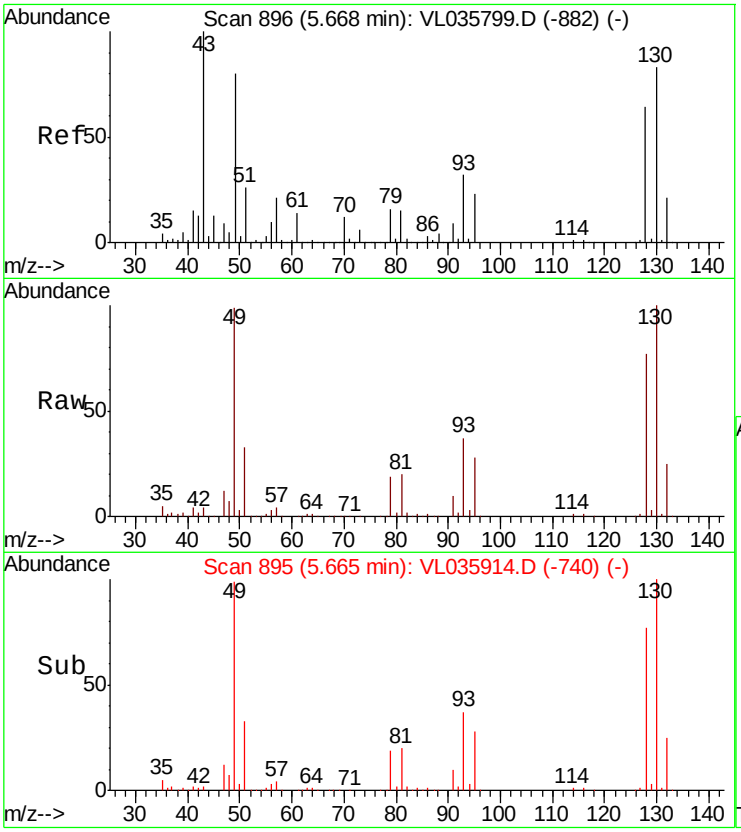
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111220\
Data File : VL035914.D
Acq On : 12 Nov 2020 15:23
Operator : SY/AP
Sample : L4618-05DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SSSG-2DL

Quant Time: Nov 13 00:58:04 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



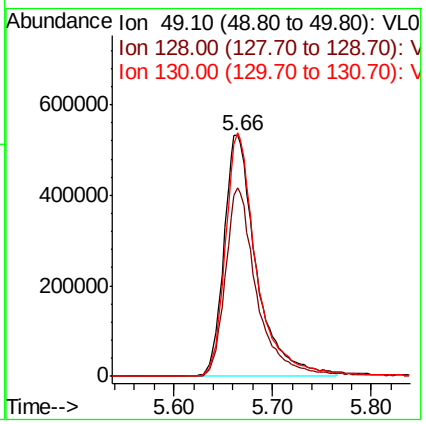


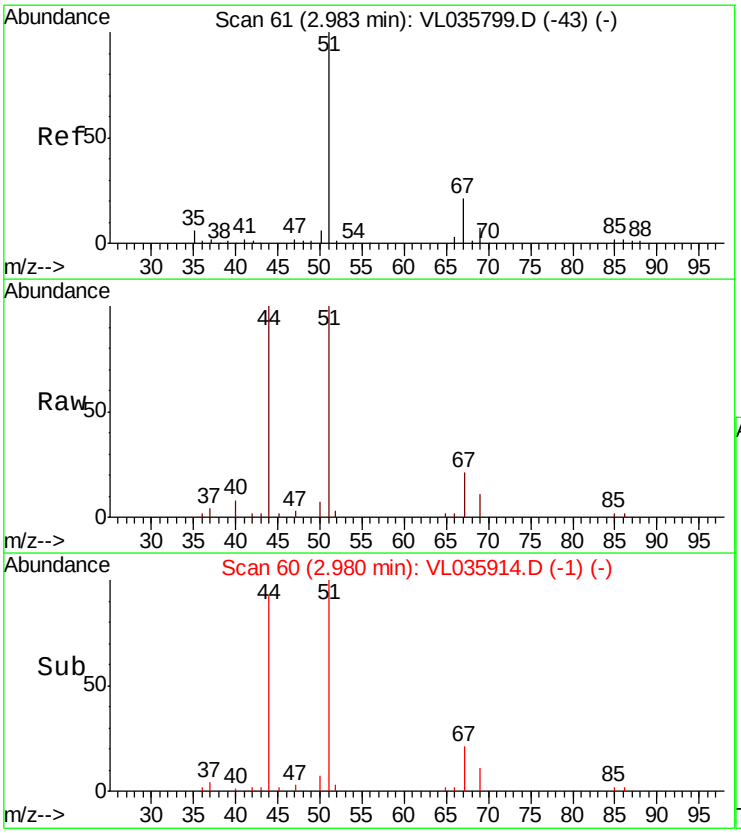
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion: 49 Resp: 1224512

Ion	Ratio	Lower	Upper
49	100		
128	76.5	41.5	124.6
130	98.6	53.7	161.1

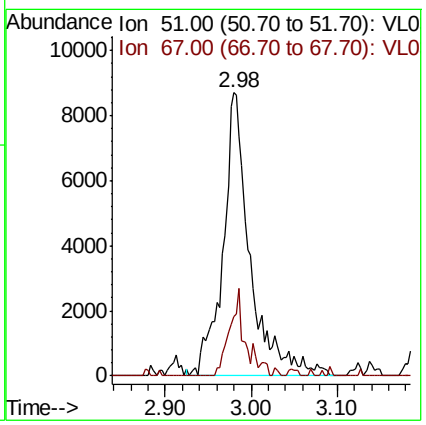


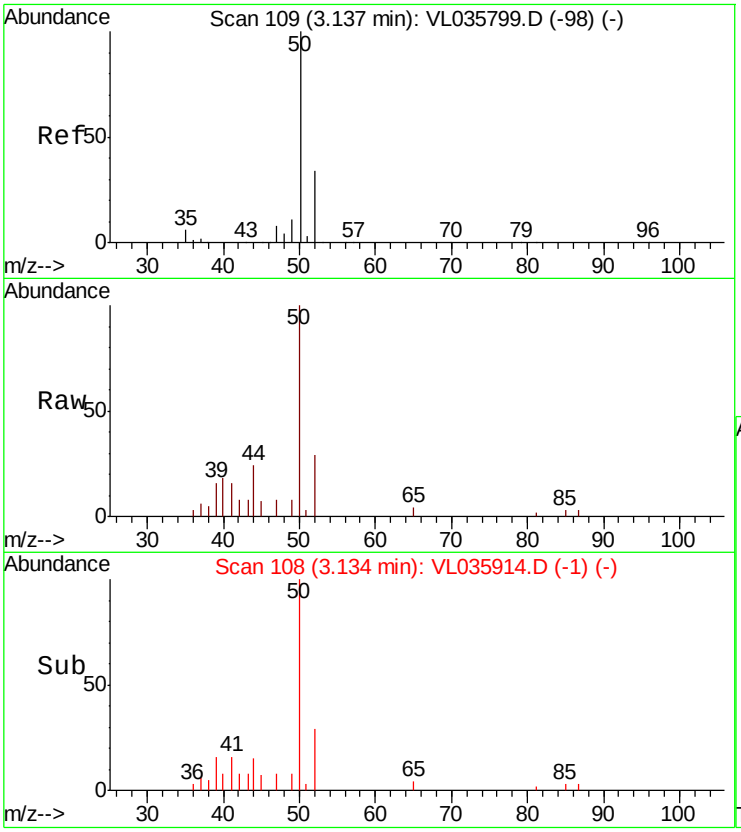


#3
Chlorodifluoromethane
Concen: 0.131 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 51 Resp: 19140

Ion	Ratio	Lower	Upper
51	100		
67	18.4	17.0	25.4



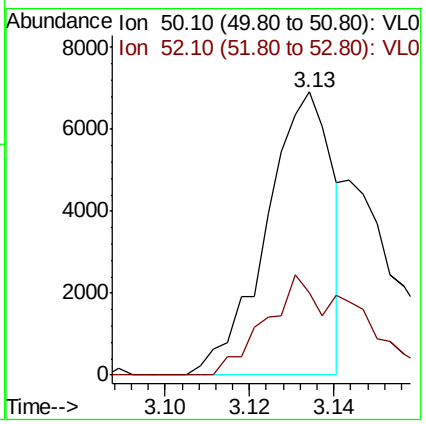


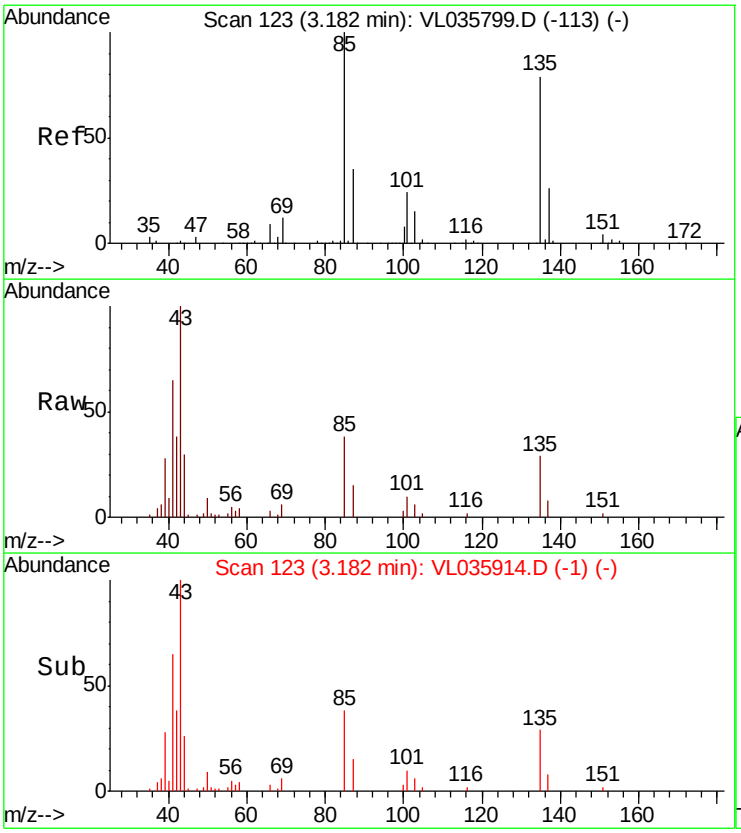
#4
Chloromethane
Concen: 0.105 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion: 50 Resp: 7508

Ion	Ratio	Lower	Upper
50	100		
52	29.3	27.1	40.7

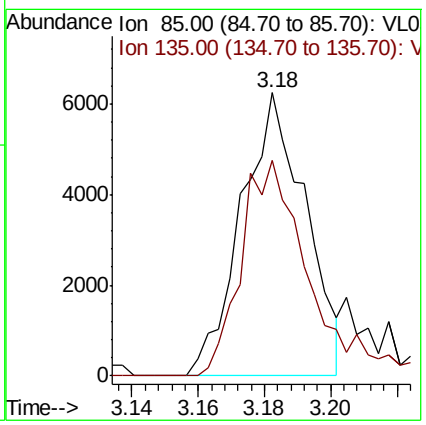


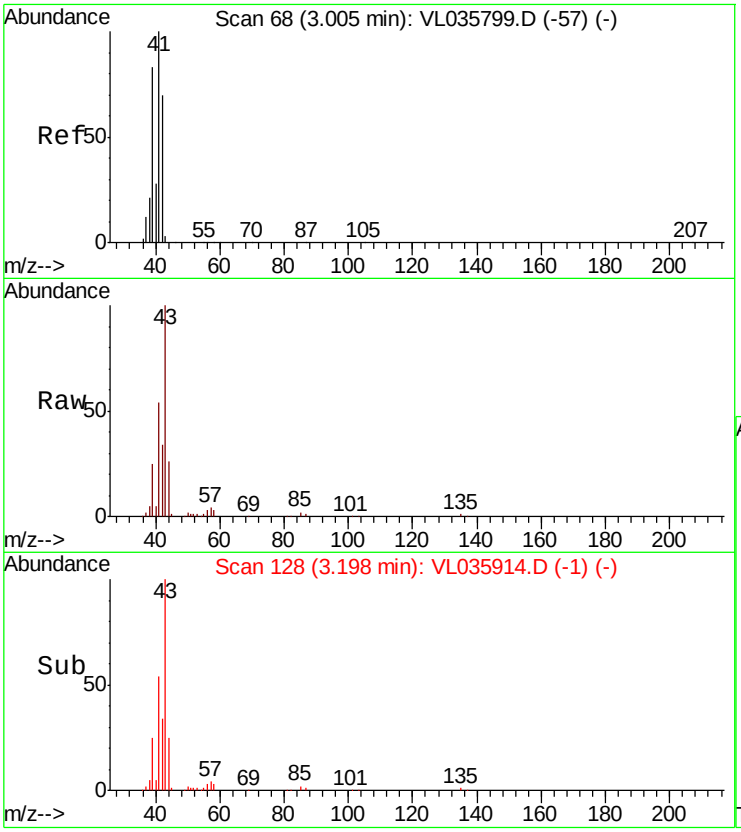


#8
Dichlorotetrafluoroethane
Concen: 0.032 ppbv
RT: 3.18 min Scan# 123
Delta R.T. 0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 85 Resp: 8439

Ion	Ratio	Lower	Upper
85	100		
135	82.1	64.6	96.8



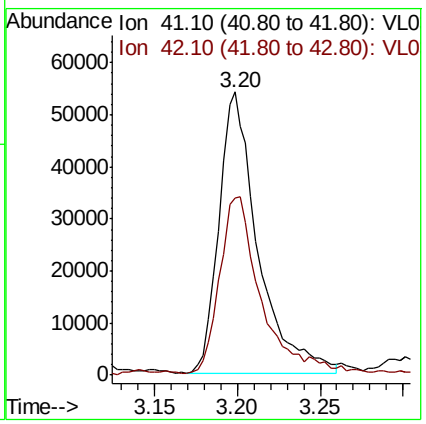


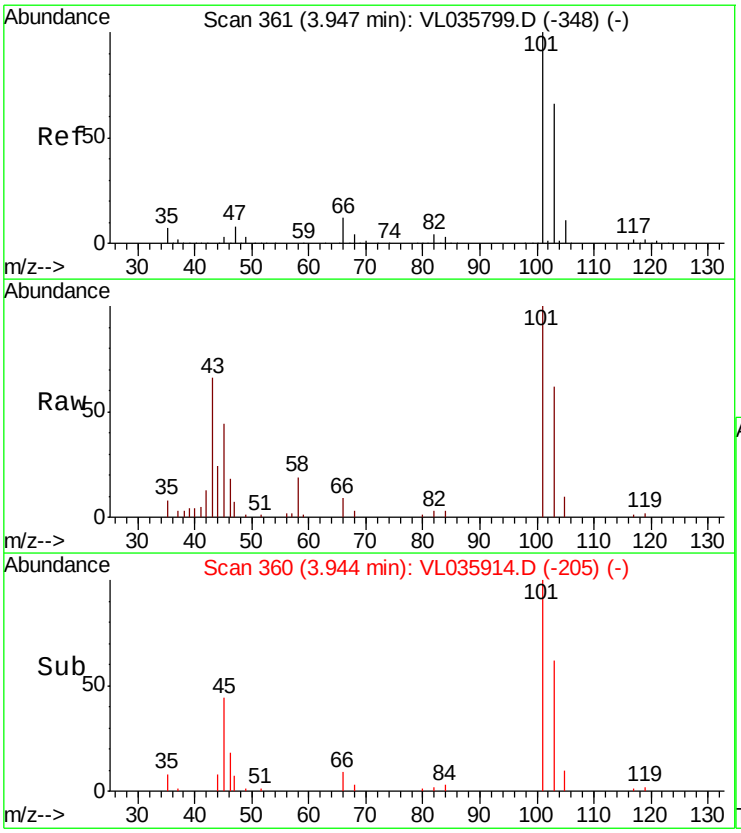
#9
Propene
Concen: 1.650 ppbv
RT: 3.20 min Scan# 128
Delta R.T. 0.19 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion: 41 Resp: 88561

Ion	Ratio	Lower	Upper
41	100		
42	66.7	56.2	84.4

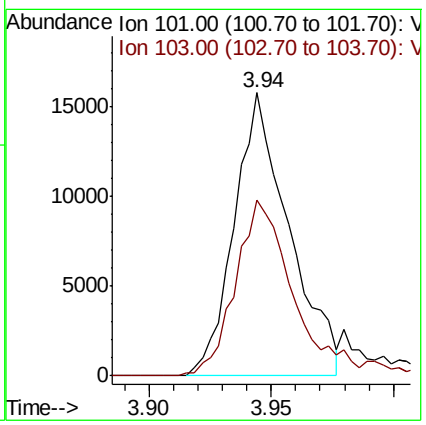


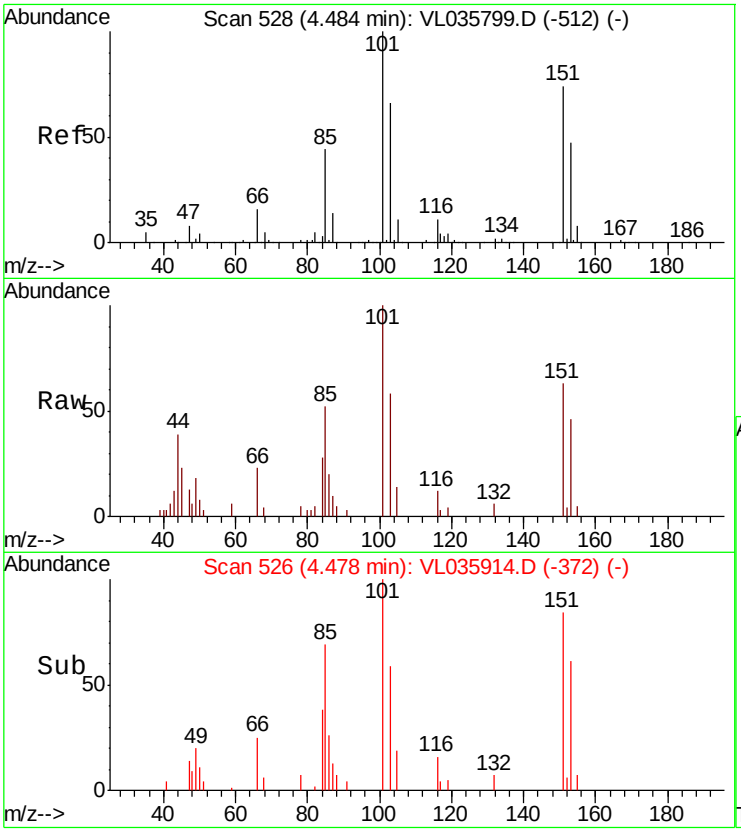


#11
Trichlorofluoromethane
Concen: 0.085 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion:101 Resp: 24531

Ion	Ratio	Lower	Upper
101	100		
103	60.9	53.0	79.4



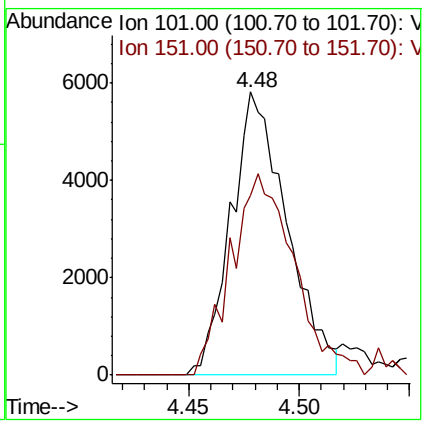


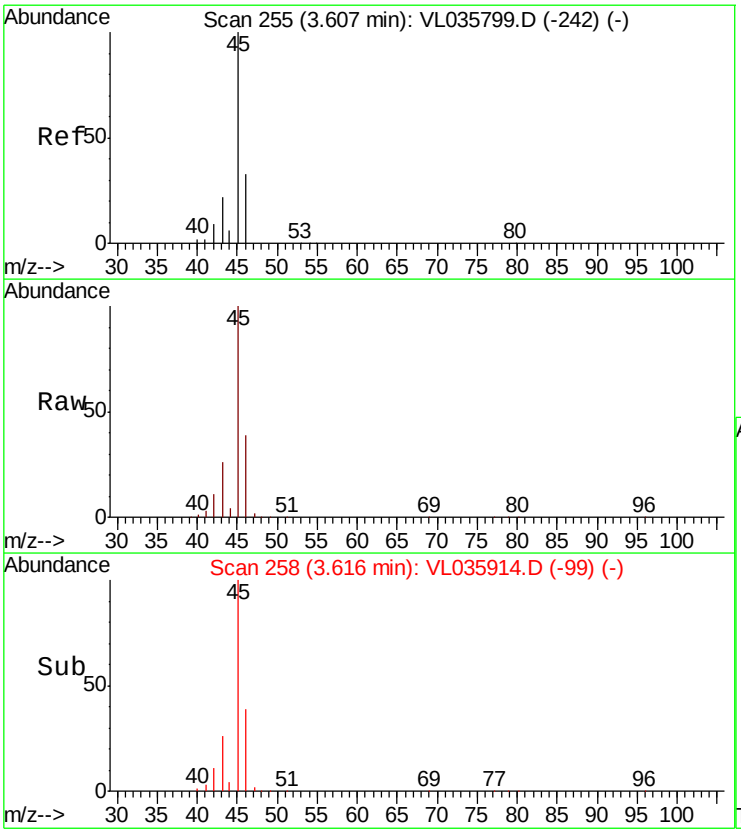
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.048 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.01 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion:101 Resp: 10284

Ion	Ratio	Lower	Upper
101	100		
151	82.7	58.9	88.3

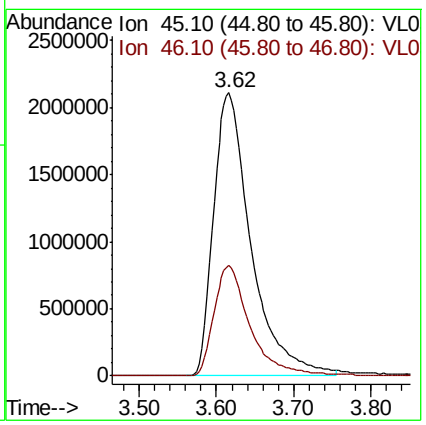


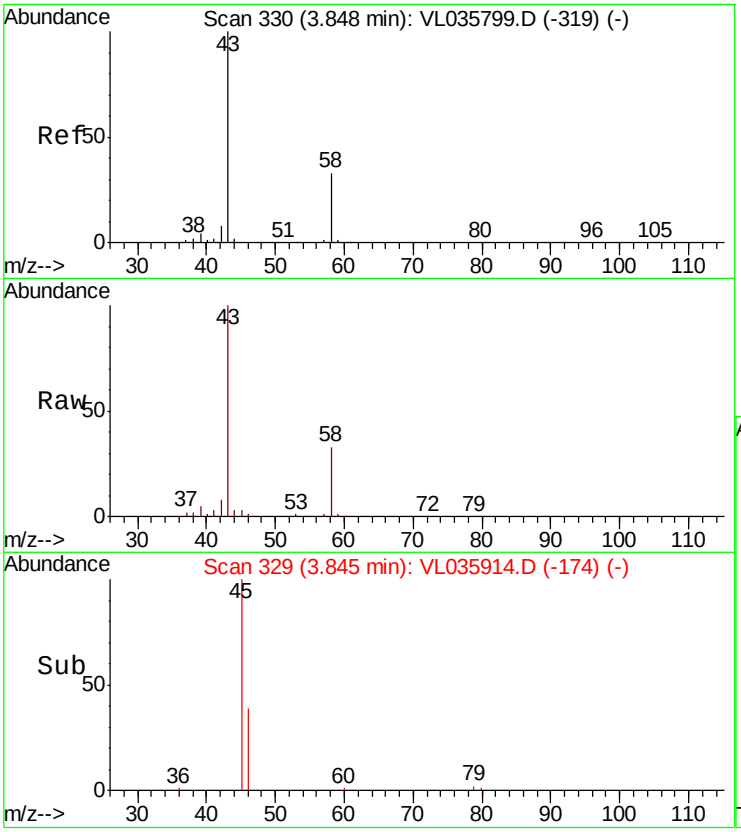


#13
Ethanol
Concen: 612.541 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 45 Resp: 7132285

Ion	Ratio	Lower	Upper
45	100		
46	38.3	16.1	64.5



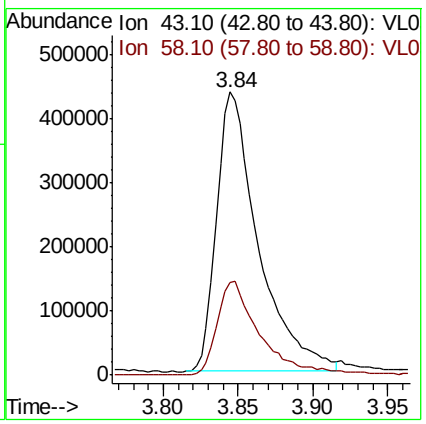


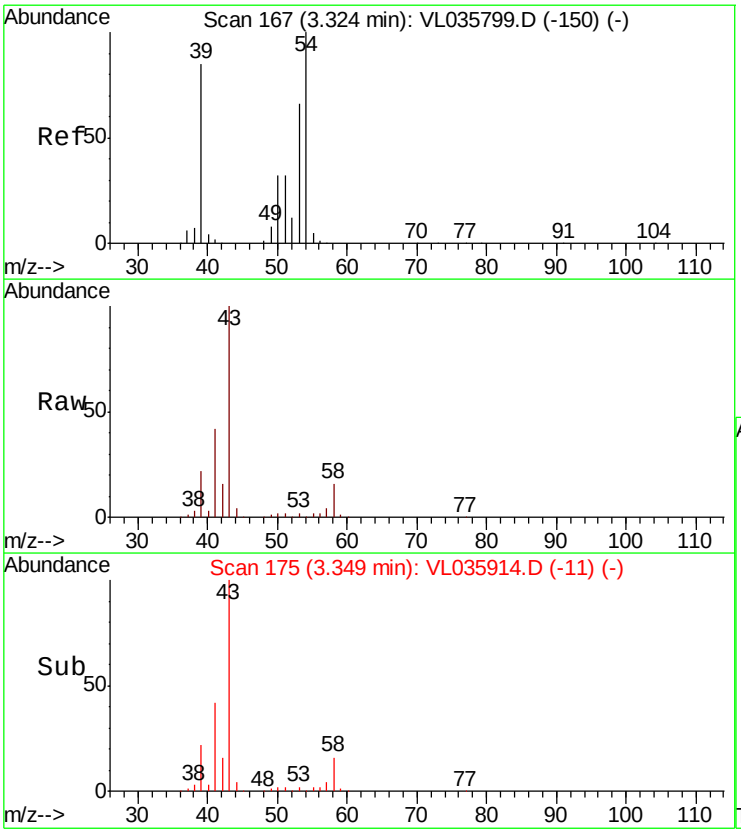
#15
Acetone
Concen: 6.475 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion: 43 Resp: 847674

Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.5	41.3

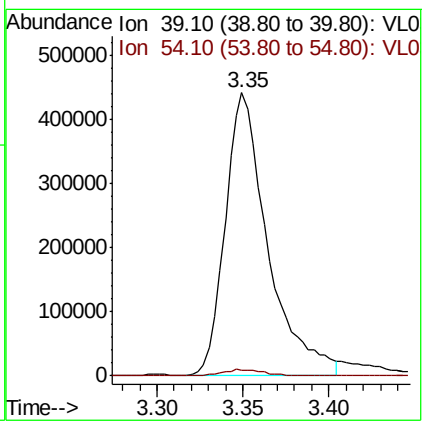


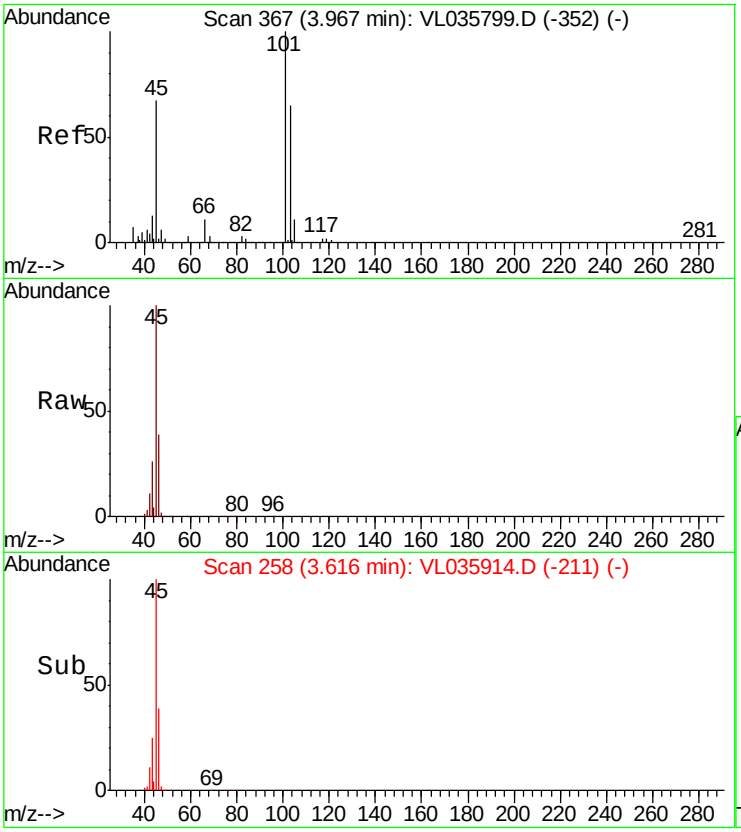


#16
1,3-Butadiene
Concen: 13.459 ppbv
RT: 3.35 min Scan# 175
Delta R.T. 0.03 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 39 Resp: 758589

Ion	Ratio	Lower	Upper
39	100		
54	2.7	87.1	130.7#



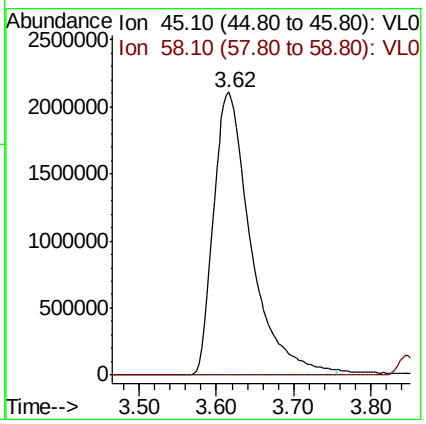


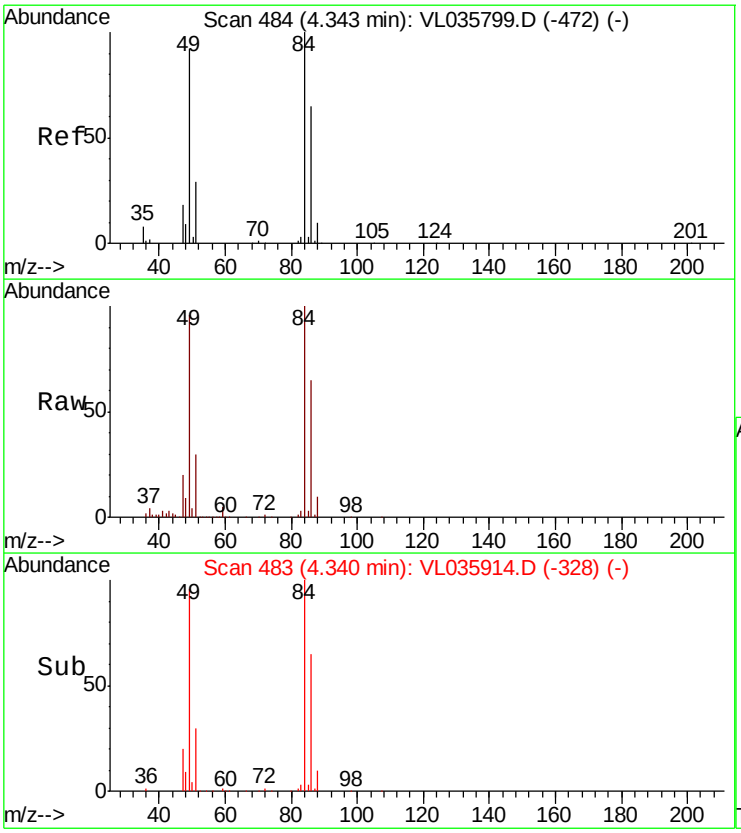
#19
Isopropyl Alcohol
Concen: 88.656 ppbv
RT: 3.62 min Scan# 258
Delta R.T. -0.35 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion: 45 Resp: 7132285

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.6	3.8#

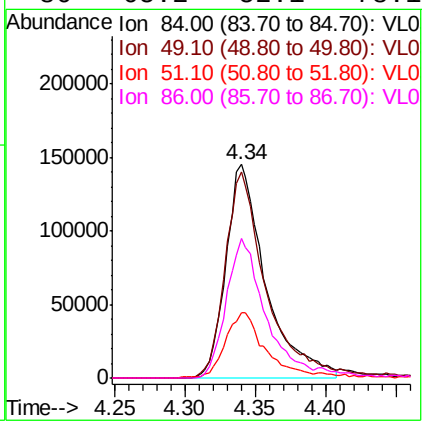


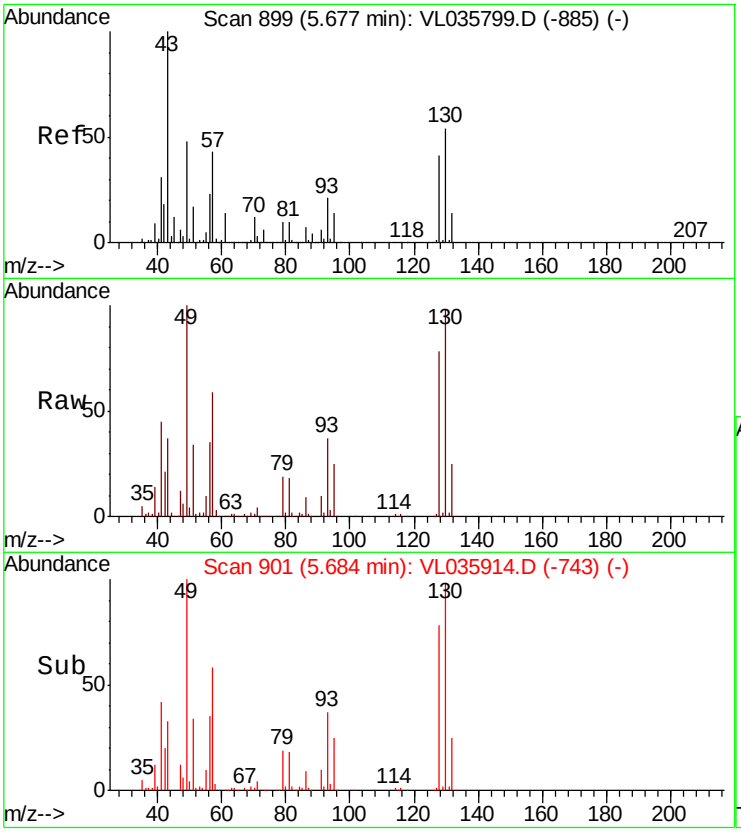


#20
Methylene Chloride
Concen: 3.117 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 84 Resp: 287300

Ion	Ratio	Lower	Upper
84	100		
49	96.3	73.8	110.8
51	30.0	23.0	34.4
86	65.2	52.1	78.1



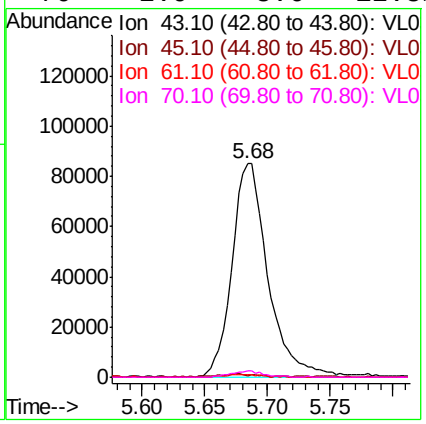


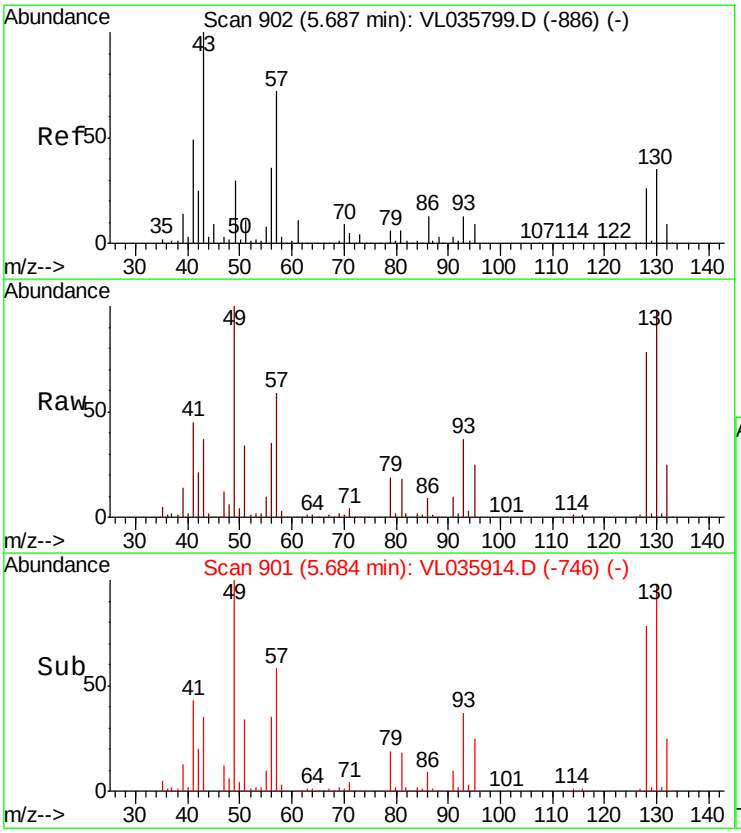
#25
Ethyl Acetate
Concen: 0.658 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument : MSVOA_L
ClientSampleId : SSSG-2DL

Tgt Ion: 43 Resp: 169756

Ion	Ratio	Lower	Upper
43	100		
45	2.3	8.5	12.7#
61	1.3	10.7	16.1#
70	2.9	8.6	12.8#

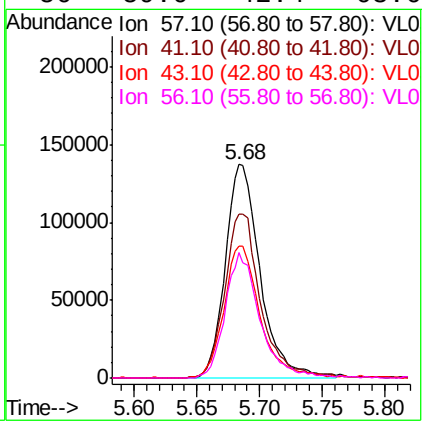


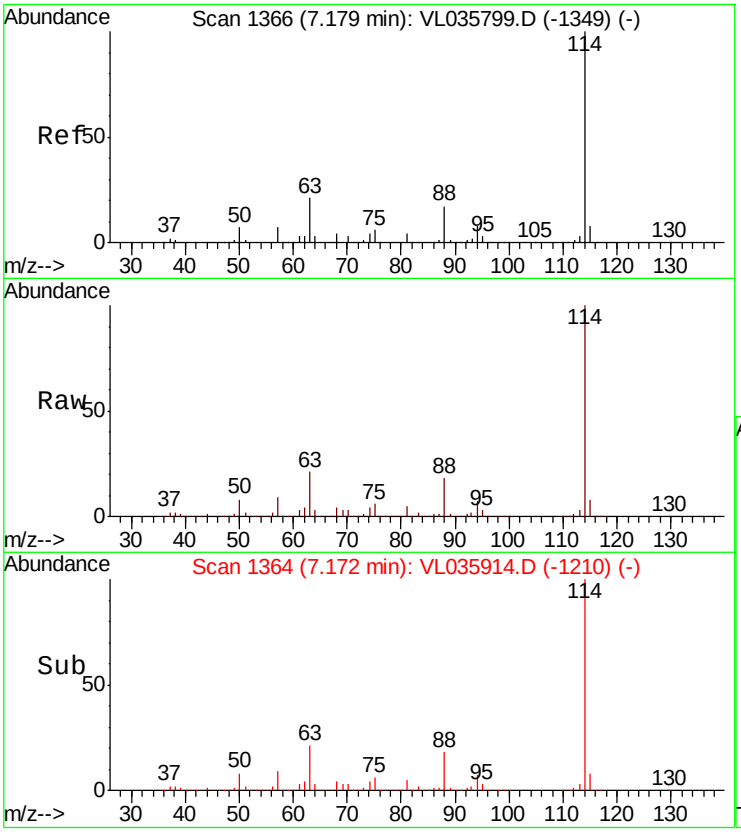


#26
Hexane
Concen: 1.862 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 57 Resp: 264892

Ion	Ratio	Lower	Upper
57	100		
41	80.2	58.9	88.3
43	65.2	150.2	225.2#
56	59.0	42.4	63.6



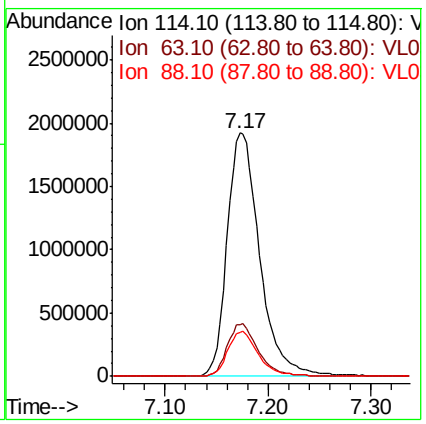


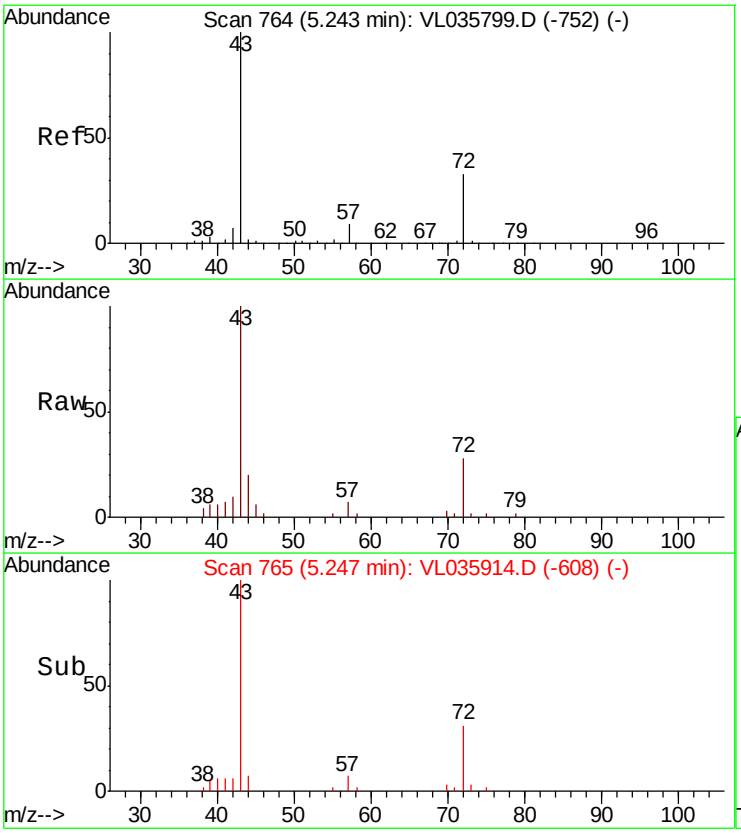
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion:114 Resp: 4222019

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.1	24.1
88	17.7	13.7	20.5

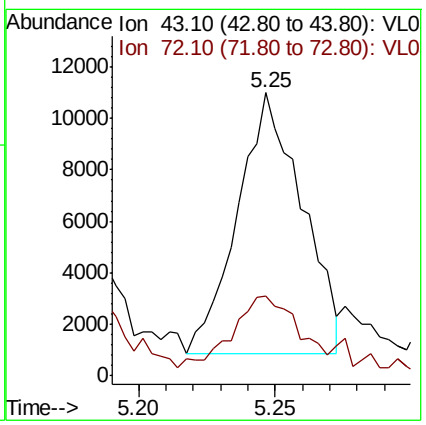


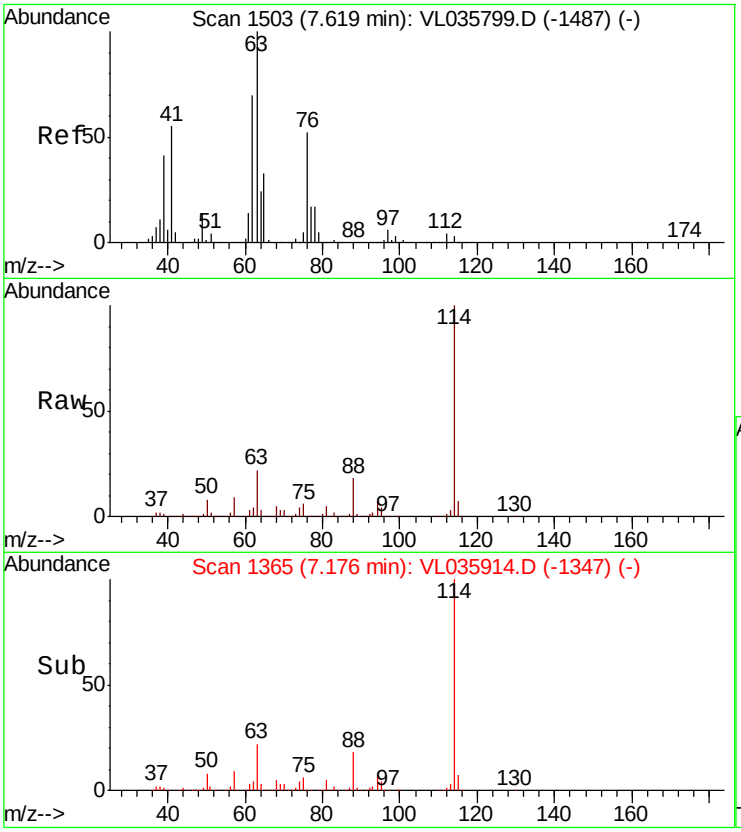


#34
2-Butanone
Concen: 0.121 ppbv
RT: 5.25 min Scan# 765
Delta R.T. 0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 43 Resp: 16598

Ion	Ratio	Lower	Upper
43	100		
72	41.0	26.5	39.7#



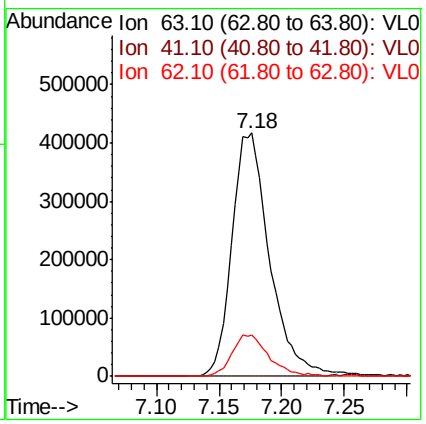


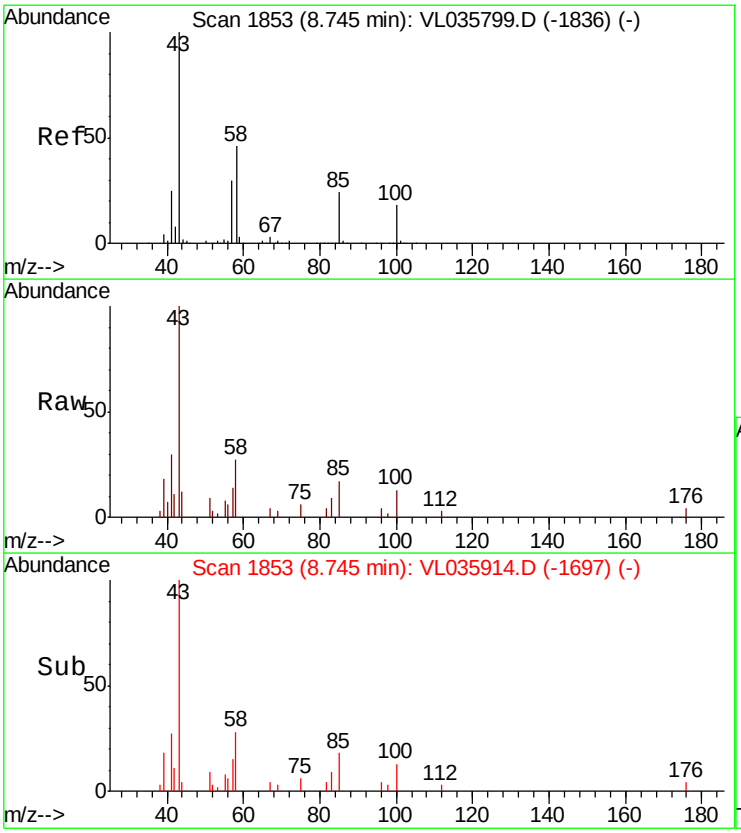
#39
1,2-Dichloropropane
Concen: 8.235 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.44 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion: 63 Resp: 870205

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

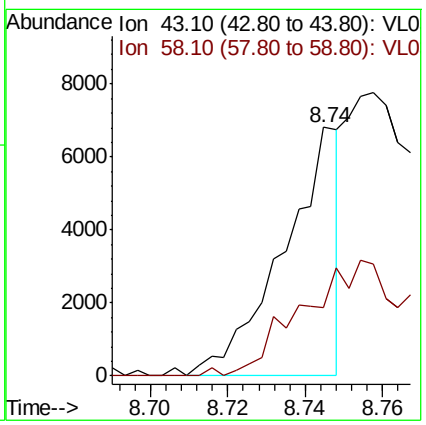


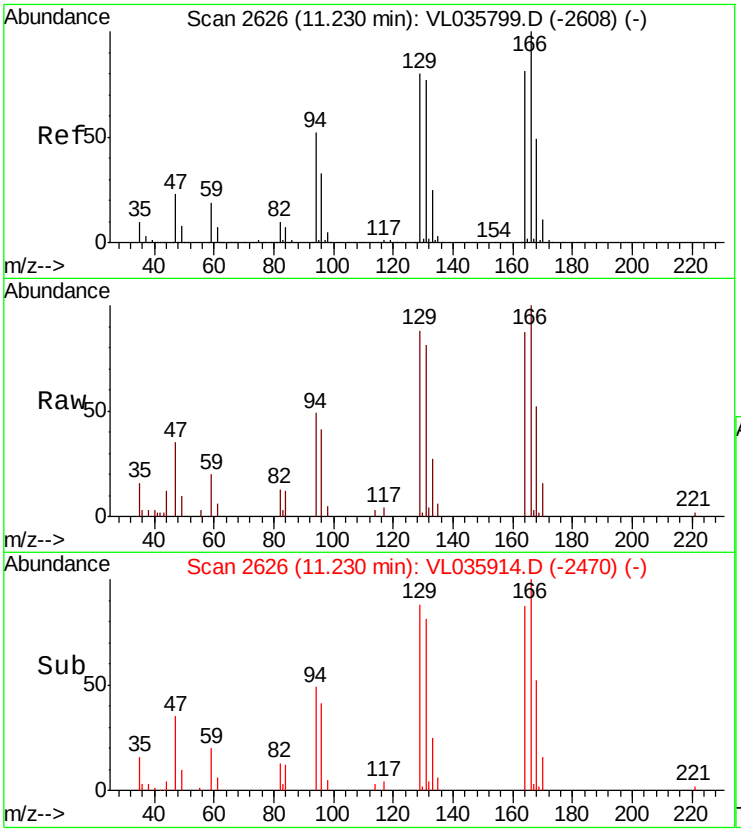


#50
4-Methyl-2-Pentanone
Concen: 0.033 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 43 Resp: 6851

Ion	Ratio	Lower	Upper
43	100		
58	0.0	36.0	54.0#



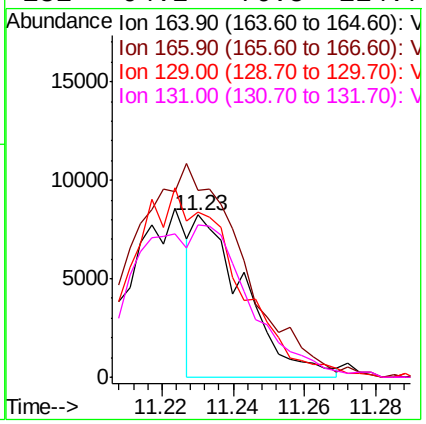


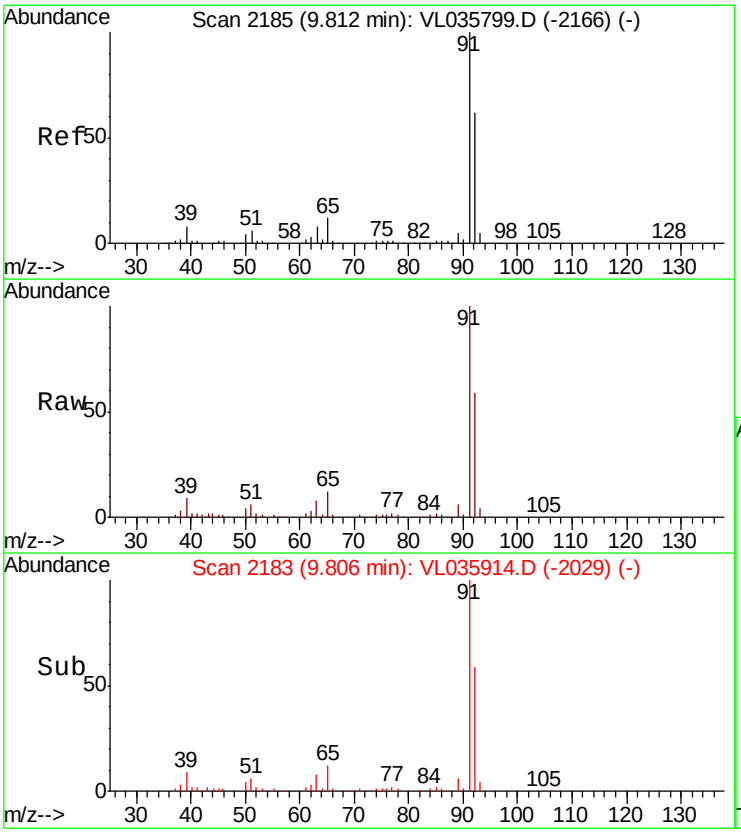
#52
Tetrachloroethene
Concen: 0.055 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument : MSVOA_L
ClientSampleId : SSSG-2DL

Tgt Ion:164 Resp: 8234

Ion	Ratio	Lower	Upper
164	100		
166	118.1	99.3	148.9
129	103.8	79.3	118.9
131	94.2	76.5	114.7

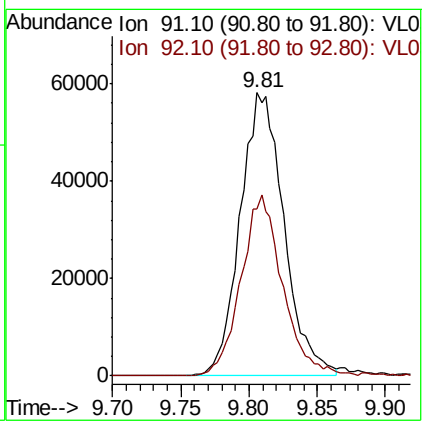


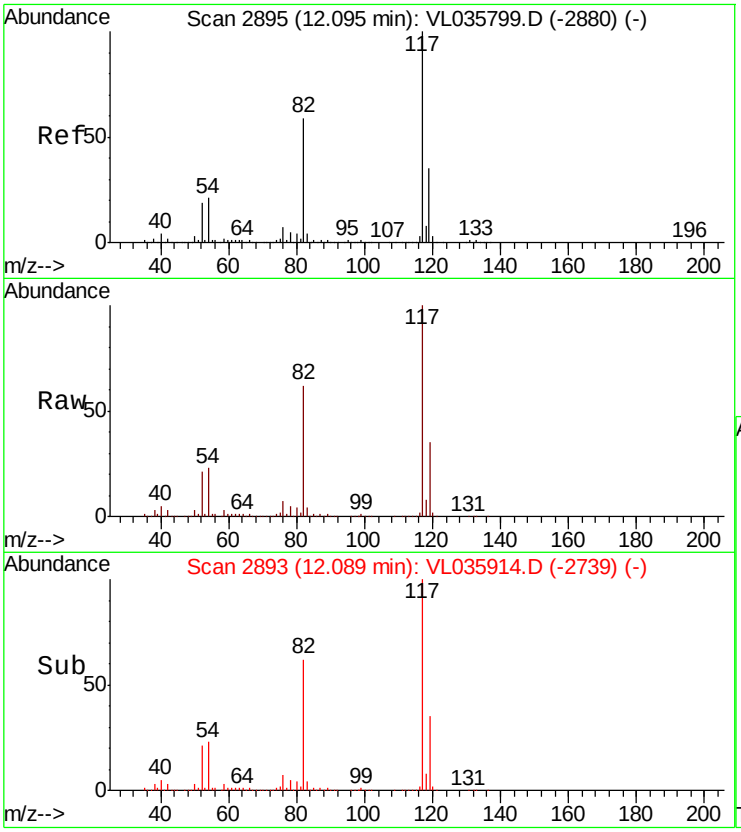


#53
Toluene
Concen: 0.343 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 91 Resp: 129723

Ion	Ratio	Lower	Upper
91	100		
92	61.0	49.8	74.6



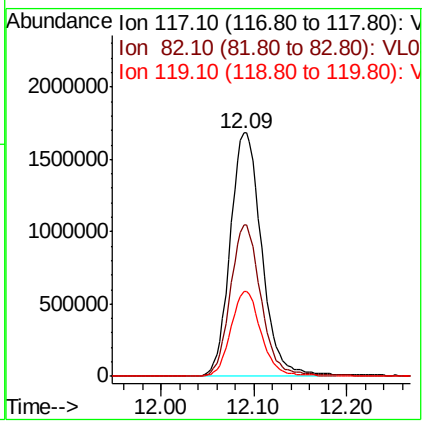


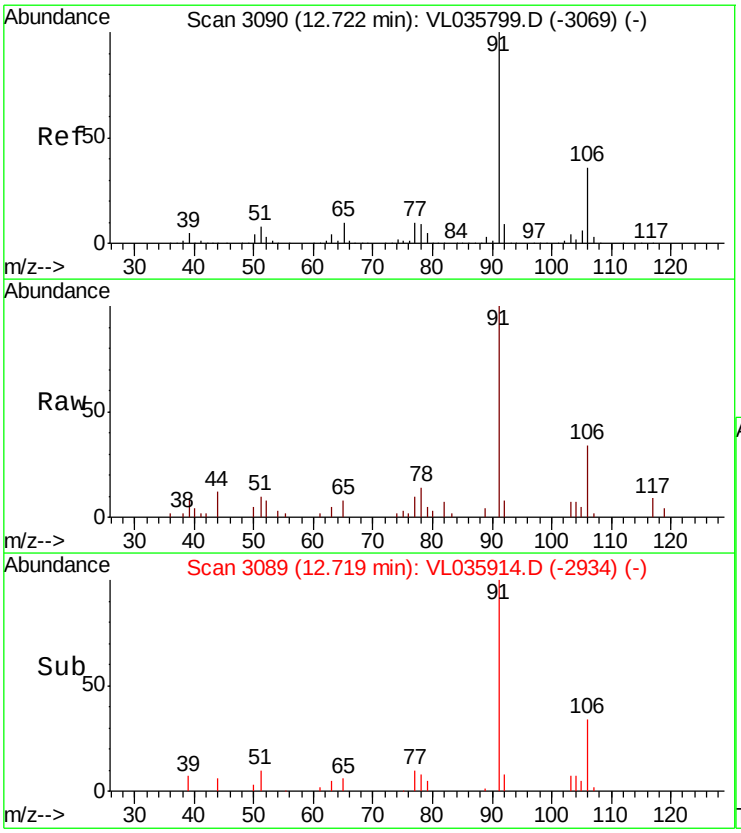
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument : MSVOA_L
ClientSampleId : SSSG-2DL

Tgt Ion:117 Resp: 3969709

Ion	Ratio	Lower	Upper
117	100		
82	61.3	50.6	76.0
119	34.1	52.6	78.8#

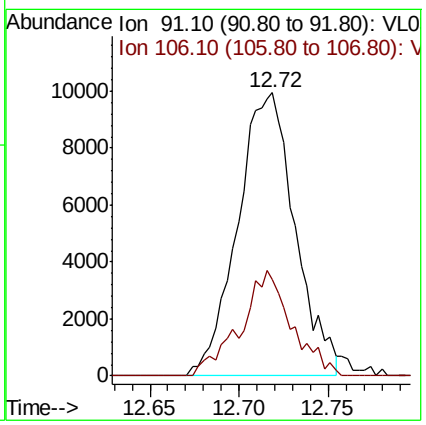


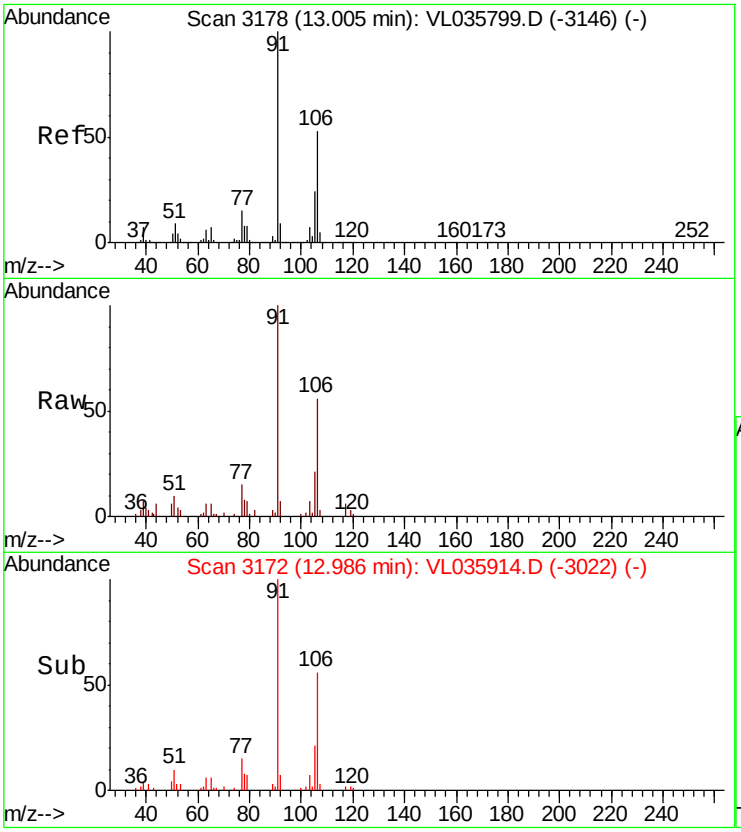


#58
Ethyl Benzene
Concen: 0.046 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 91 Resp: 22390

Ion	Ratio	Lower	Upper
91	100		
106	33.9	28.6	43.0



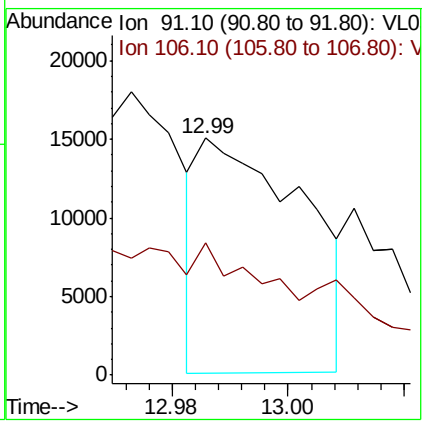


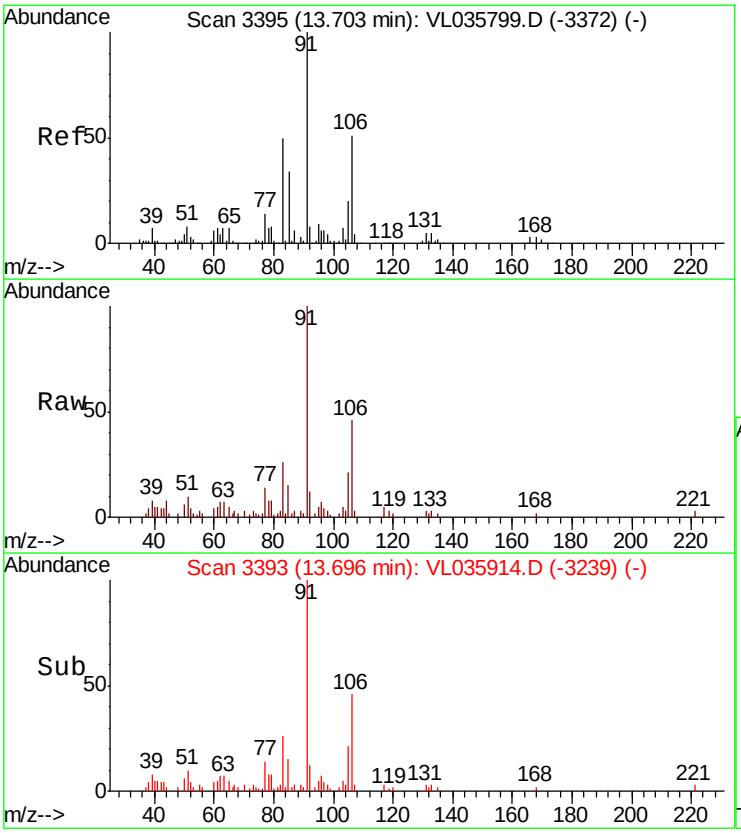
#59
m/p-Xylene
Concen: 0.045 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument : MSVOA_L
ClientSampleId : SSSG-2DL

Tgt Ion: 91 Resp: 18611

Ion	Ratio	Lower	Upper
91	100		
106	154.0	39.5	59.3#

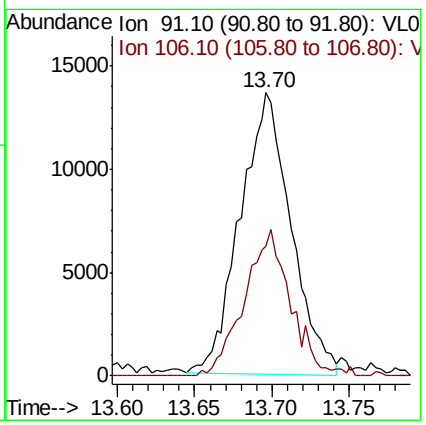


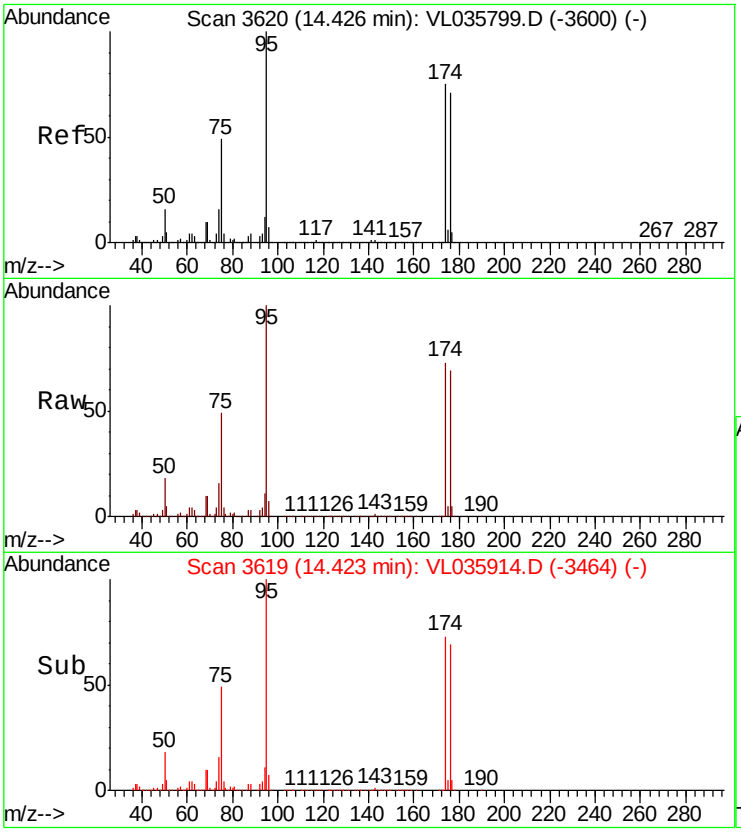


#60
o-Xylene
Concen: 0.078 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Tgt Ion: 91 Resp: 31134

Ion	Ratio	Lower	Upper
91	100		
106	47.5	24.8	74.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.321 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL035914.D
Acq: 12 Nov 2020 15:23

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion: 95 Resp: 2910902

Ion	Ratio	Lower	Upper
95	100		
174	73.4	59.8	89.6
175	5.1	4.3	6.5