Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031620\
Data File : VL034890.D
Acq On : 16 Mar 2020 14:41
Operator : SY/AP
Sample : L1924-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 17 04:26:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	942997	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	2041472	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	1972910	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1625751	10.57	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	27975	0.217	ppbv		97
3) Chlorodifluoromethane	2.92	51	105819	1.005	ppbv	#	75
4) Chloromethane	3.10	50	32126	0.540	ppbv		98
9) Propene	3.16	41	423921	8.429	ppbv		95
10) Heptane	8.12	43	12205	0.099	ppbv	#	66
12) 1,1,2-Trichlorotrifluoroet	4.45	101	3817	0.040	ppbv	#	1
13) Ethanol	3.57	45	685983	44.864	ppbv		95
15) Acetone	3.81	43	866561	7.090	ppbv		96
16) 1,3-Butadiene	3.26	39	4930	0.089	ppbv	#	9
19) Isopropyl Alcohol	3.94	45	197287	2.556	ppbv	#	44
20) Methylene Chloride	4.31	84	211187	5.465	ppbv		99
21) Allyl Chloride	4.34	41	5201	0.066	ppbv	#	1
23) Vinyl Acetate	5.04	43	59243	0.328	ppbv	#	1
25) Ethyl Acetate	5.66	43	244027	1.121	ppbv	#	94
26) Hexane	5.67	57	211472	2.255	ppbv	#	55
30) Cyclohexane	7.12	84	3936	0.050	ppbv	#	1
31) cis-1,2-Dichloroethene	5.53	61	4760	0.050	ppbv	#	90
34) 2-Butanone	5.23	43	47721	0.352	ppbv		97
36) Benzene	6.88	78	74718	0.411	ppbv		93
38) Trichloroethene	7.83	130	4888	0.071	ppbv	#	54
39) 1,2-Dichloropropane	7.17	63	552986	7.670	ppbv	#	23
41) Tetrahydrofuran	6.29	42	3597	0.049	ppbv	#	40
44) 2,2,4-Trimethylpentane	7.86	57	51628	0.168	ppbv	#	56
53) Toluene	9.81	91	384631	1.830	ppbv		100
58) Ethyl Benzene	12.99	91	32286	0.121	ppbv		91
59) m/p-Xylene	13.01	91	6845	0.031	ppbv	#	30
60) o-Xylene	13.72	91	10601	0.049	ppbv		68
61) Styrene	13.55	104	7601	0.050	ppbv	#	24

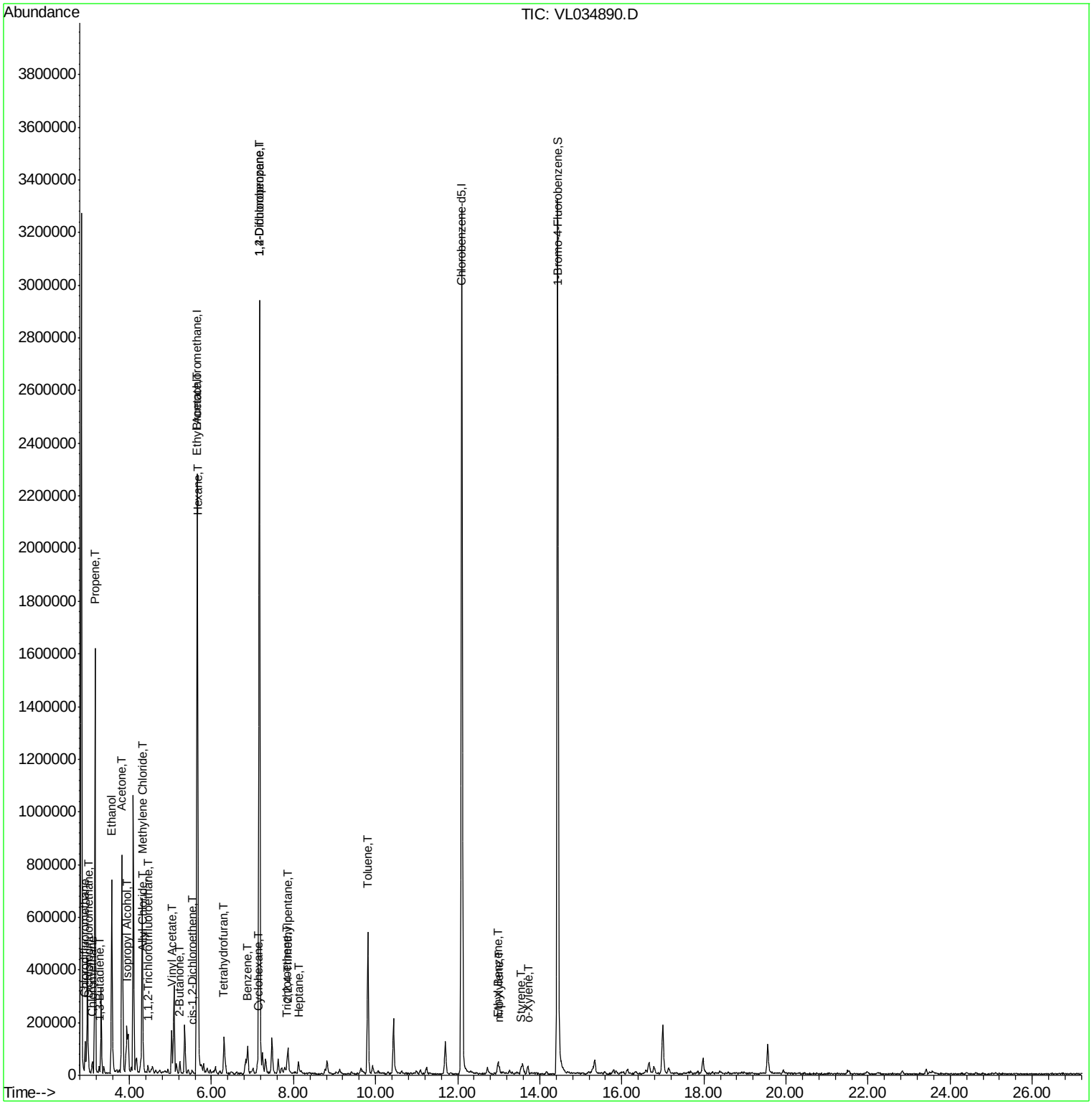
(#) = qualifier out of range (m) = manual integration (+) = signals summed

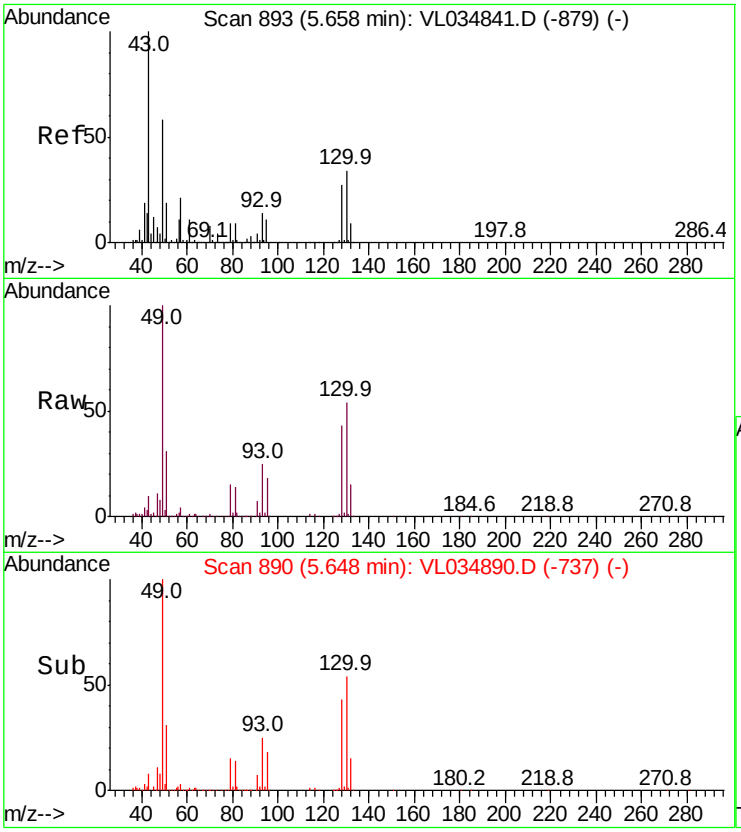
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031620\
Data File : VL034890.D
Acq On : 16 Mar 2020 14:41
Operator : SY/AP
Sample : L1924-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 17 04:26:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration



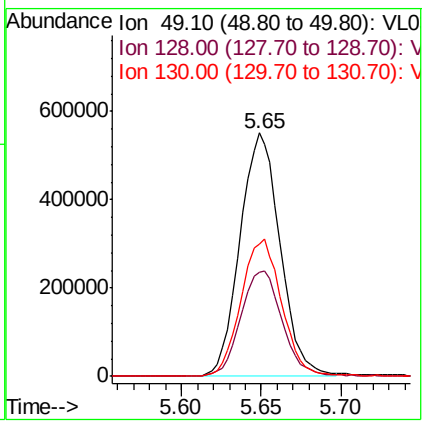


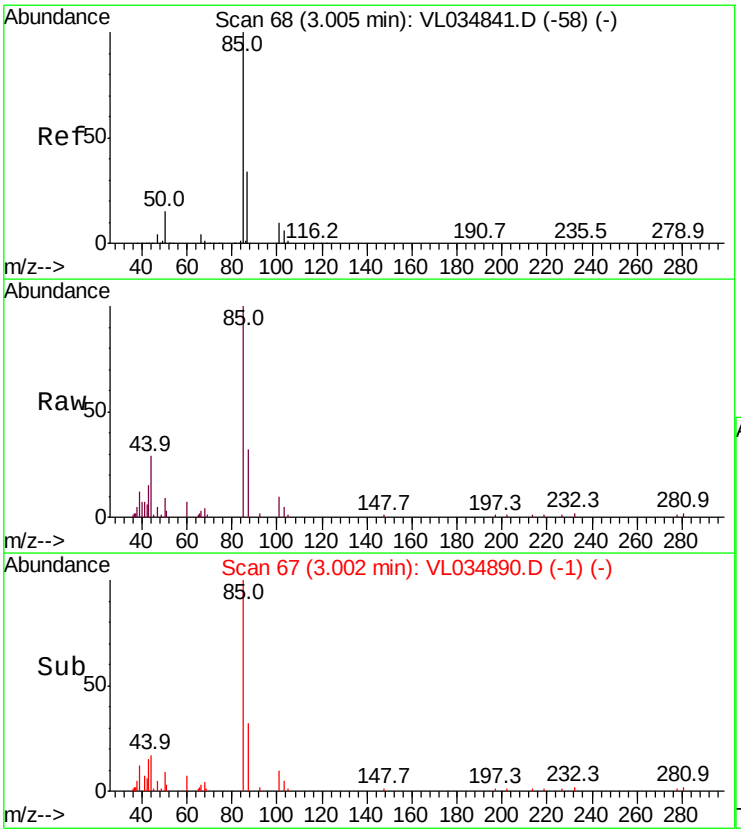
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 942997

Ion	Ratio	Lower	Upper
49	100		
128	44.8	23.4	70.3
130	57.7	30.0	90.0

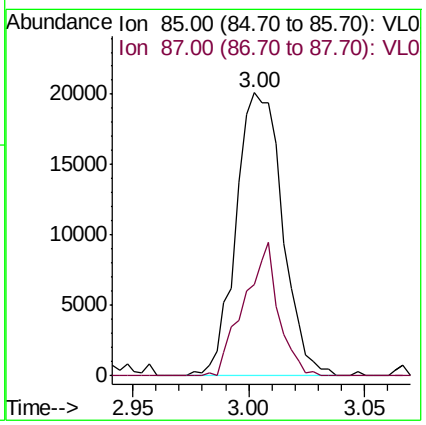


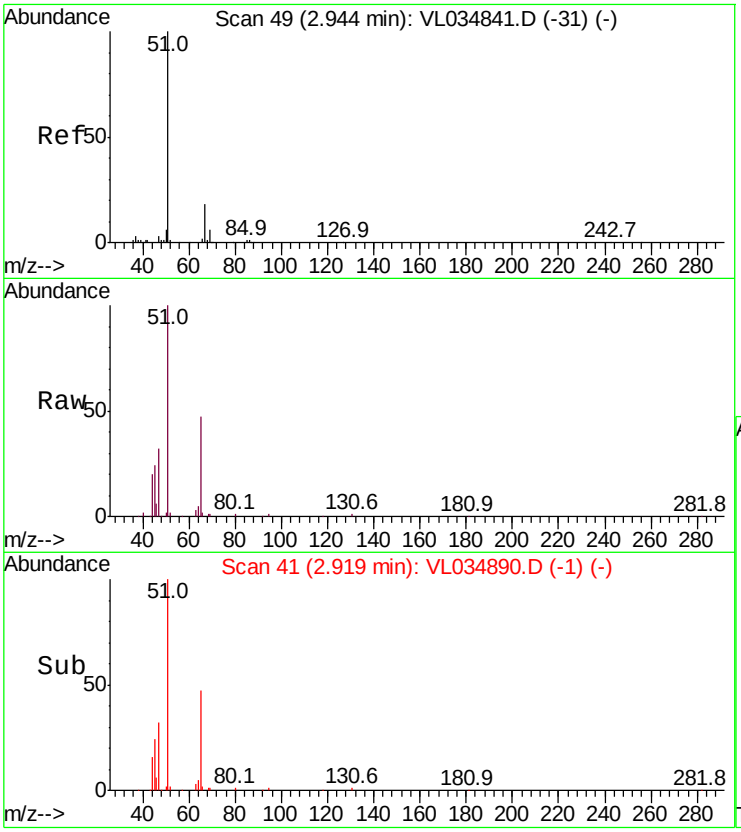


#2
Dichlorodifluoromethane
Concen: 0.217 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 85 Resp: 27975

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.9	40.3



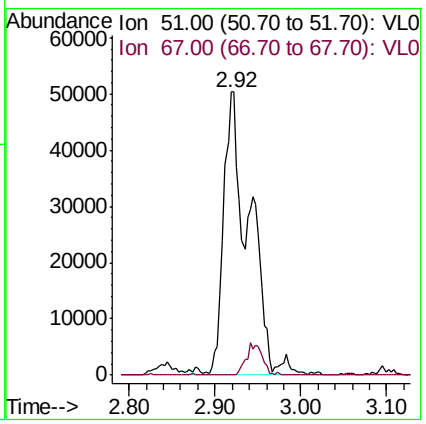


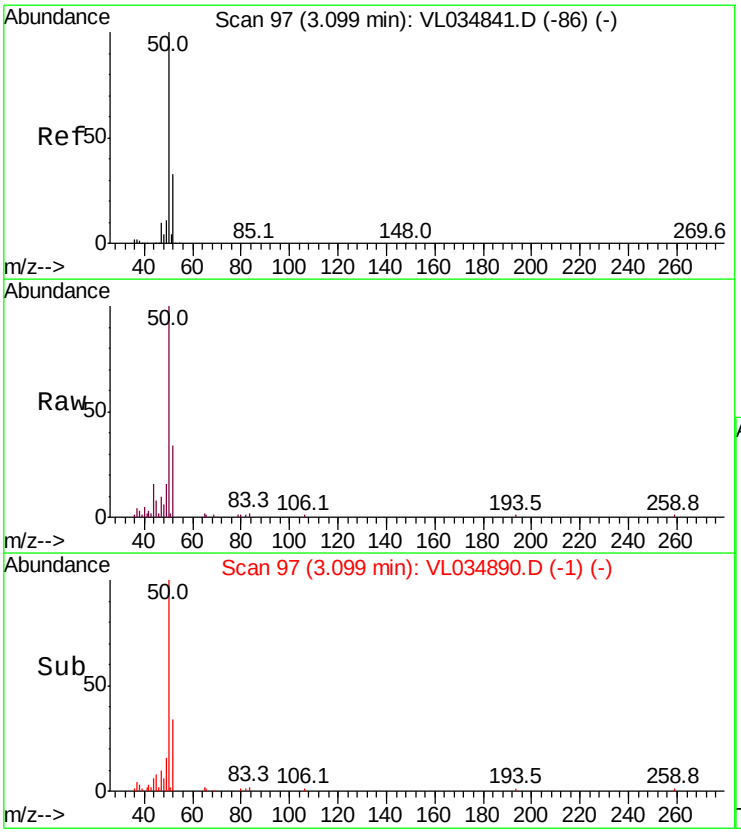
#3
Chlorodifluoromethane
Concen: 1.005 ppbv
RT: 2.92 min Scan# 41
Delta R.T. -0.03 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 105819

Ion	Ratio	Lower	Upper
51	100		
67	6.8	14.3	21.5#

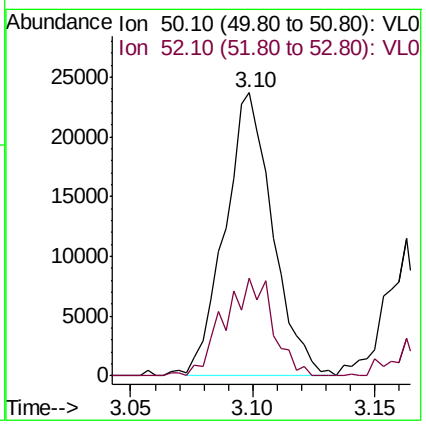


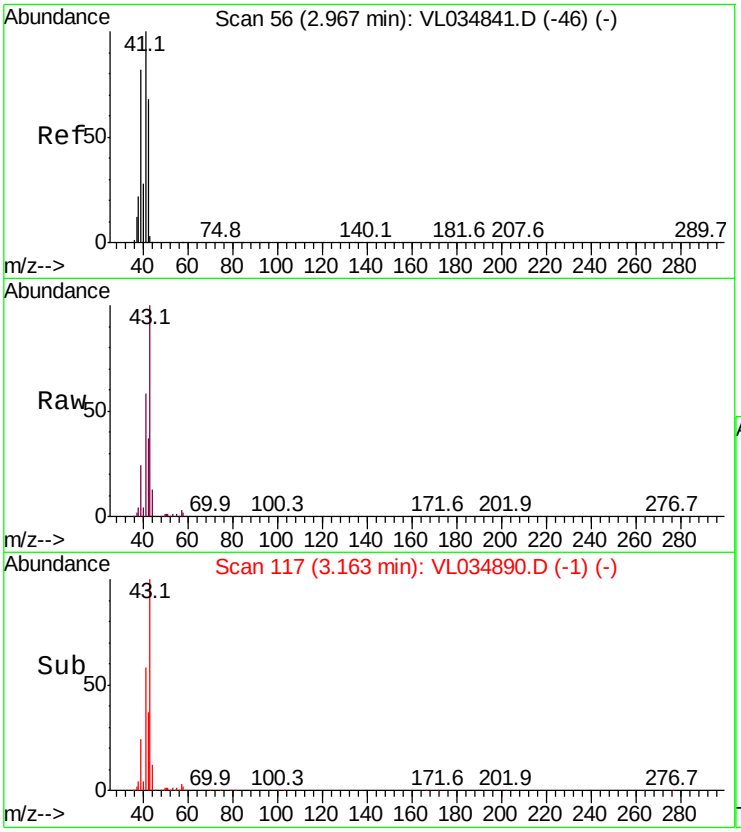


#4
Chloromethane
Concen: 0.540 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 50 Resp: 32126

Ion	Ratio	Lower	Upper
50	100		
52	34.4	26.8	40.2

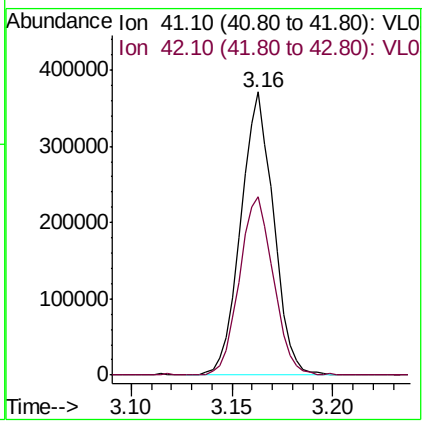




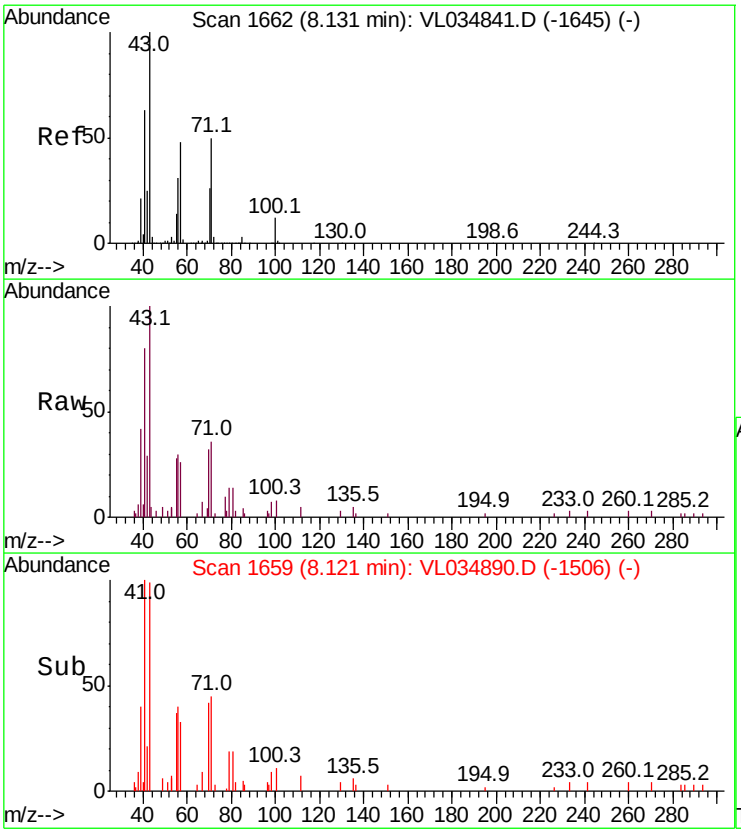
#9
Propene
Concen: 8.429 ppbv
RT: 3.16 min Scan# 117
Delta R.T. 0.20 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 41 Resp: 423921

Ion	Ratio	Lower	Upper
41	100		
42	65.3	55.2	82.8



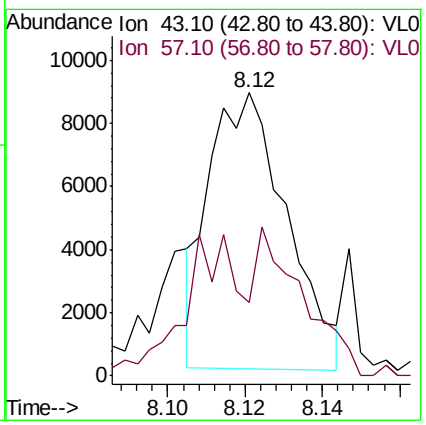
Instrument :
MSVOA_L
ClientSampleId :

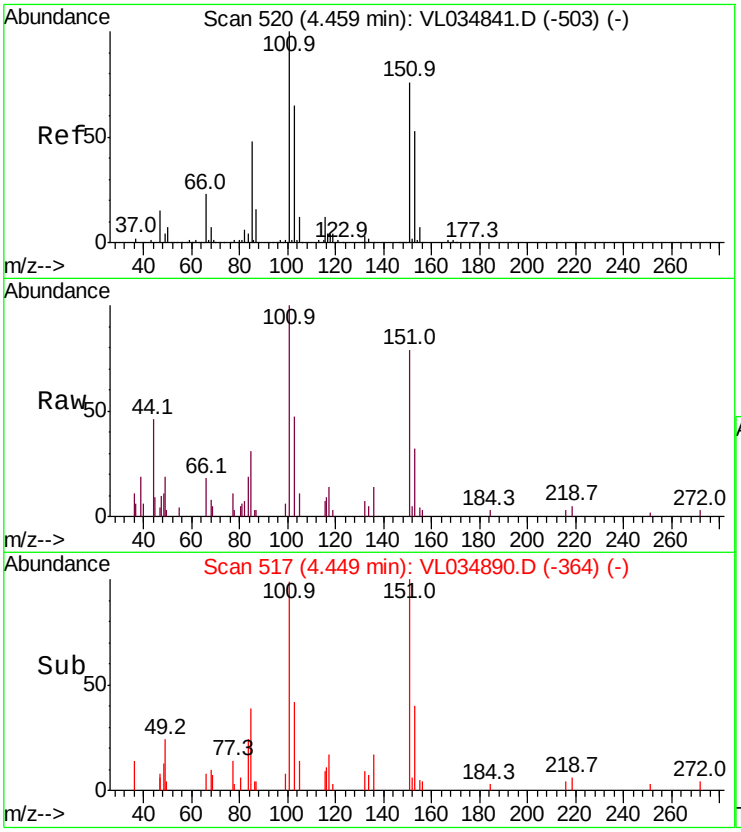


#10
Heptane
Concen: 0.099 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 43 Resp: 12205

Ion	Ratio	Lower	Upper
43	100		
57	73.0	39.7	59.5#



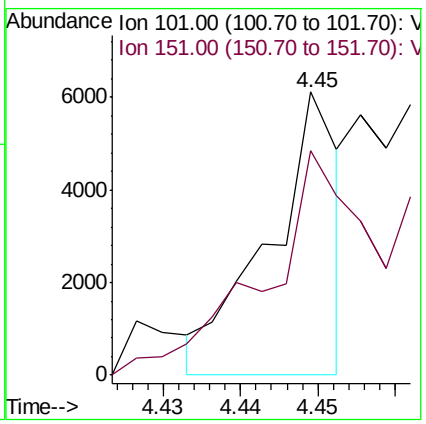


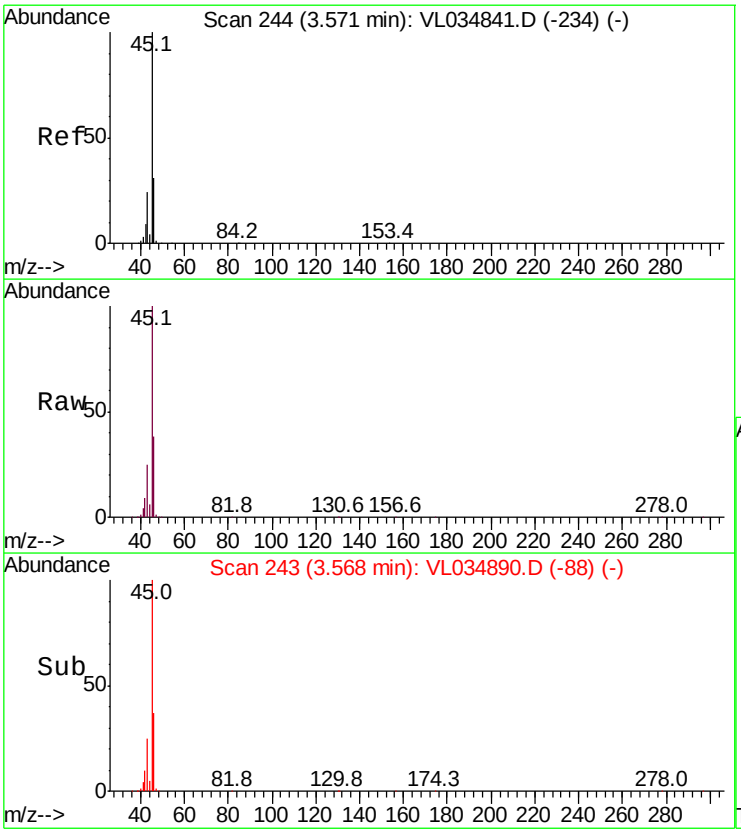
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.040 ppbv
RT: 4.45 min Scan# 517
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 3817

Ion	Ratio	Lower	Upper
101	100		
151	193.0	60.8	91.2#

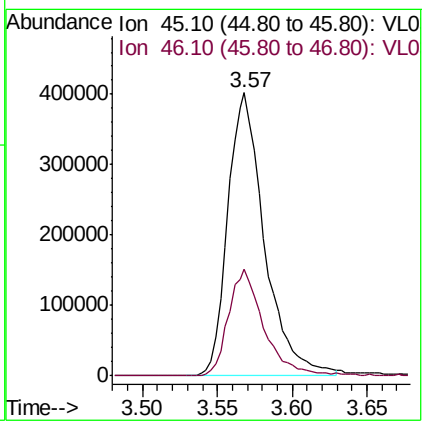


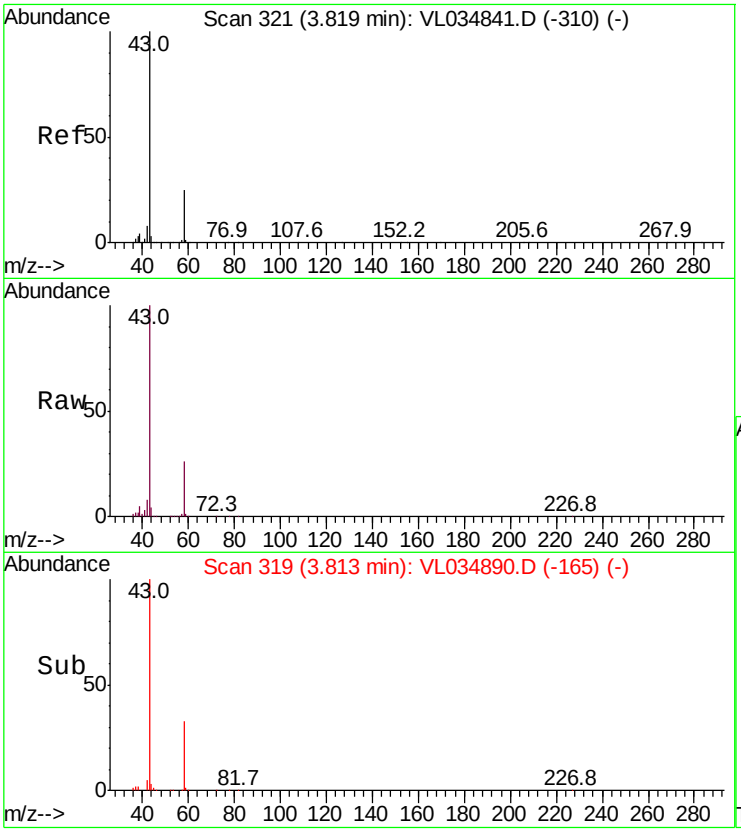


#13
Ethanol
Concen: 44.864 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 45 Resp: 685983

Ion	Ratio	Lower	Upper
45	100		
46	36.6	16.0	64.0



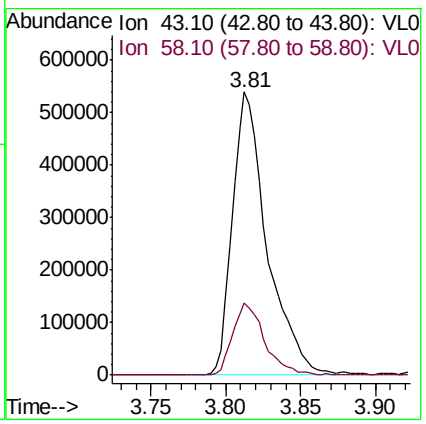


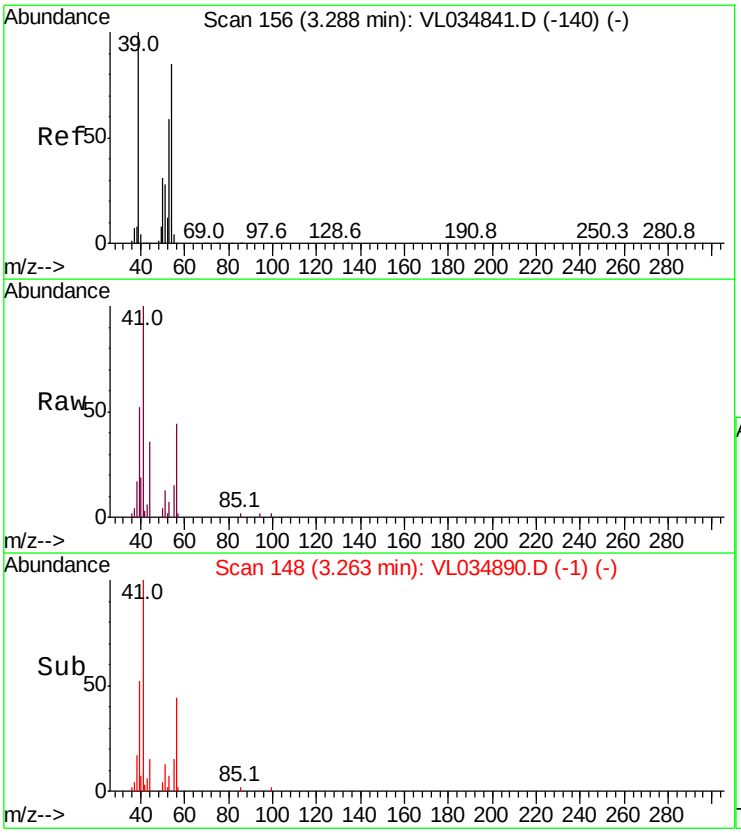
#15
Acetone
Concen: 7.090 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 866561

Ion	Ratio	Lower	Upper
43	100		
58	24.1	21.0	31.6

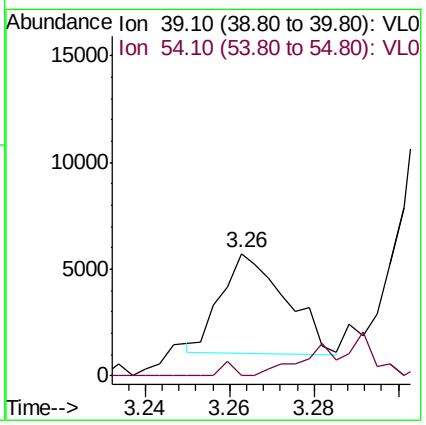


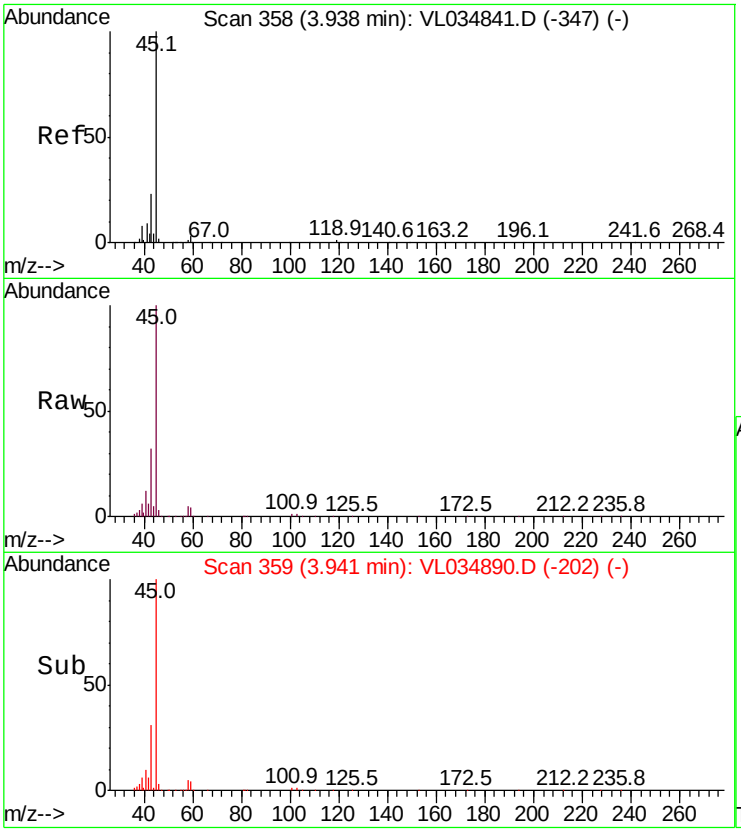


#16
1,3-Butadiene
Concen: 0.089 ppbv
RT: 3.26 min Scan# 148
Delta R.T. -0.03 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 39 Resp: 4930

Ion	Ratio	Lower	Upper
39	100		
54	0.0	65.0	97.6#



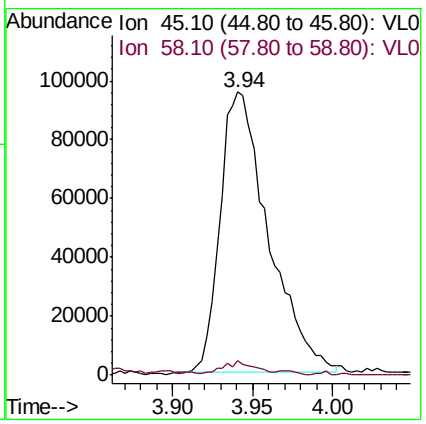


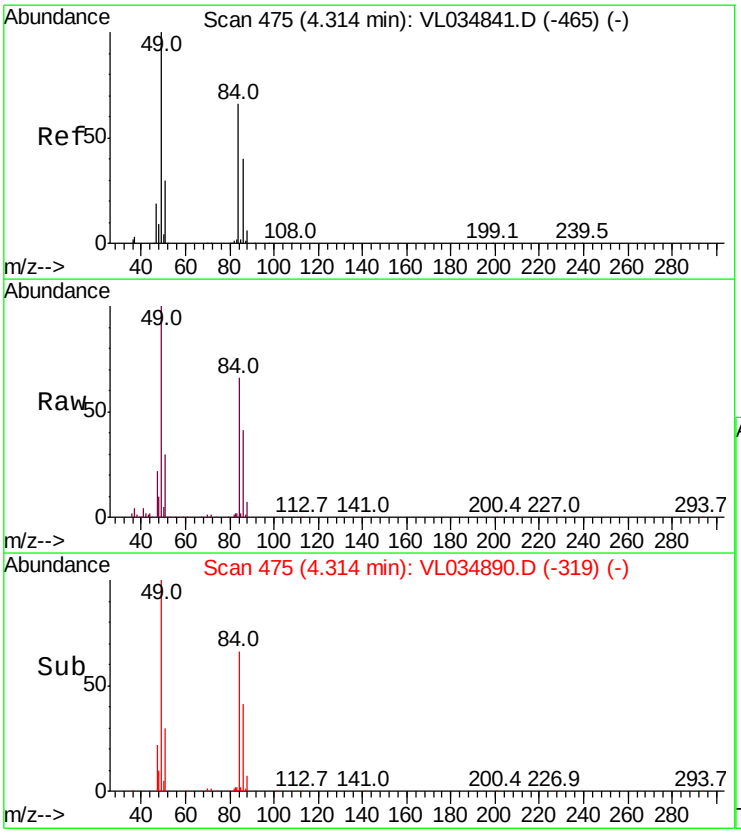
#19
Isopropyl Alcohol
Concen: 2.556 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.00 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 197287

Ion	Ratio	Lower	Upper
45	100		
58	4.4	30.5	45.7#

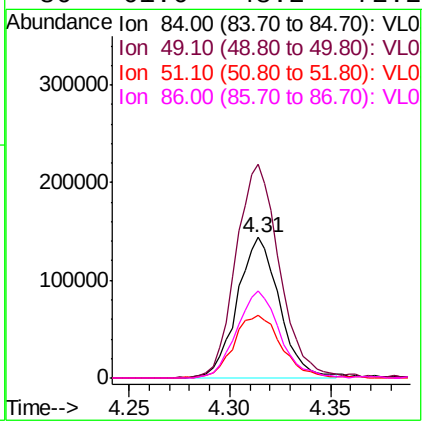


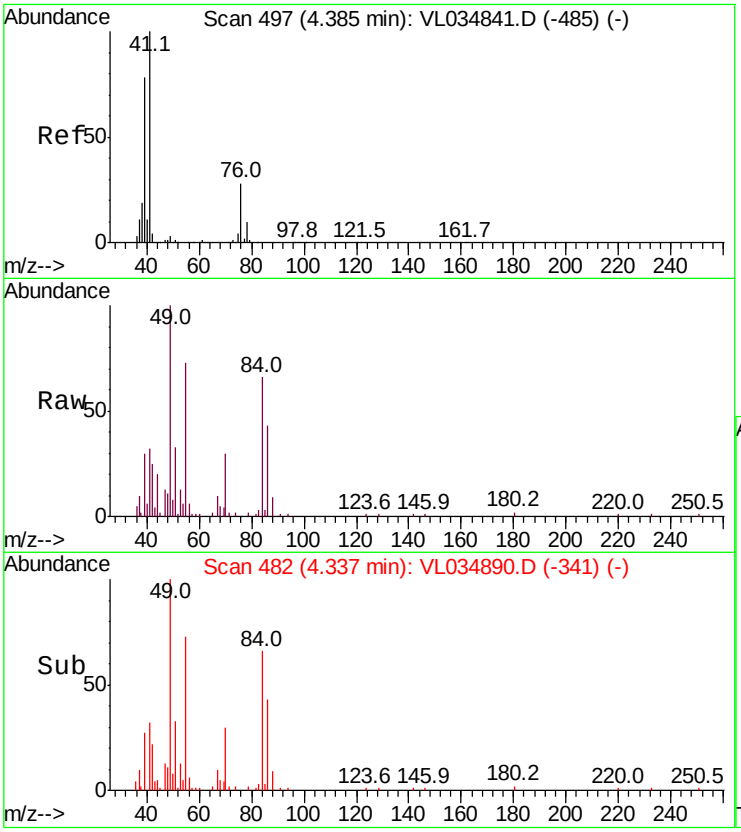


#20
Methylene Chloride
Concen: 5.465 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 84 Resp: 211187

Ion	Ratio	Lower	Upper
84	100		
49	152.0	121.5	182.3
51	44.6	36.6	55.0
86	61.6	48.2	72.2



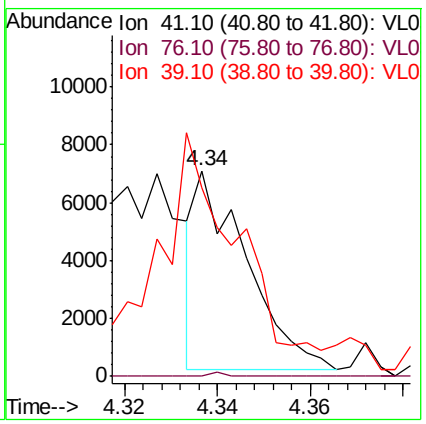


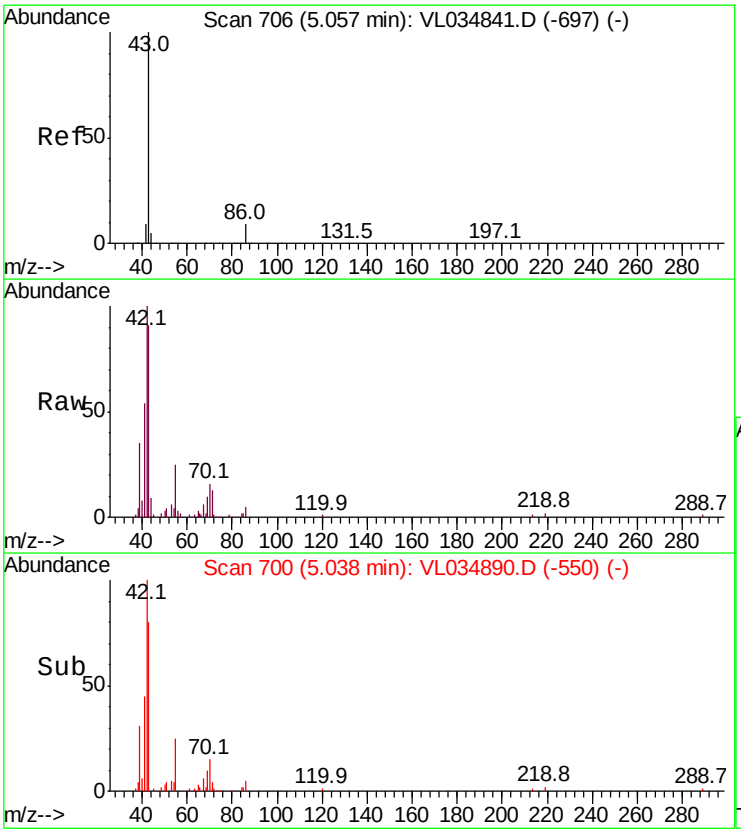
#21
Allyl Chloride
Concen: 0.066 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.05 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 5201

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.2	33.2#
39	207.1	62.6	93.8#

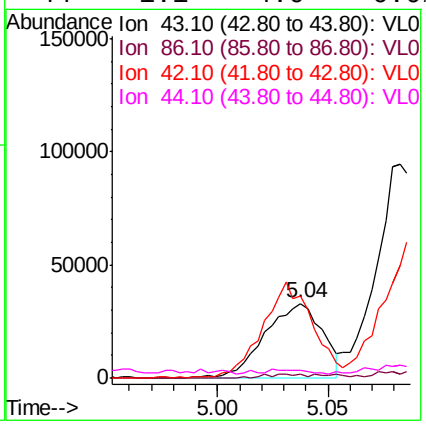


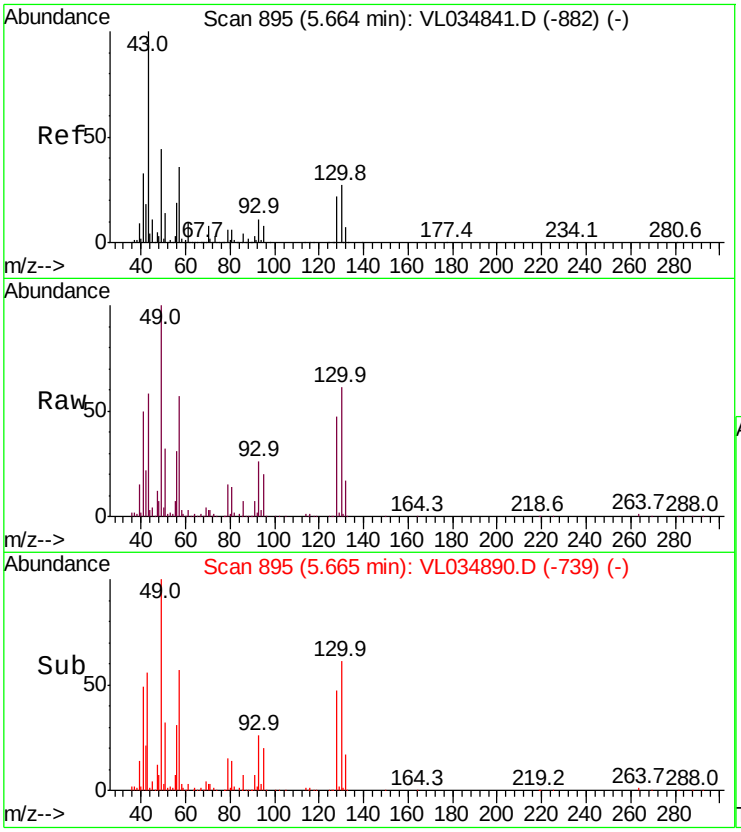


#23
Vinyl Acetate
Concen: 0.328 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.02 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 43 Resp: 59243

Ion	Ratio	Lower	Upper
43	100		
86	5.5	6.3	9.5#
42	109.6	7.8	11.8#
44	1.1	4.0	6.0#



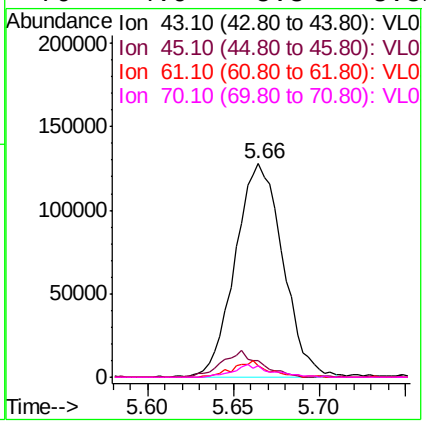


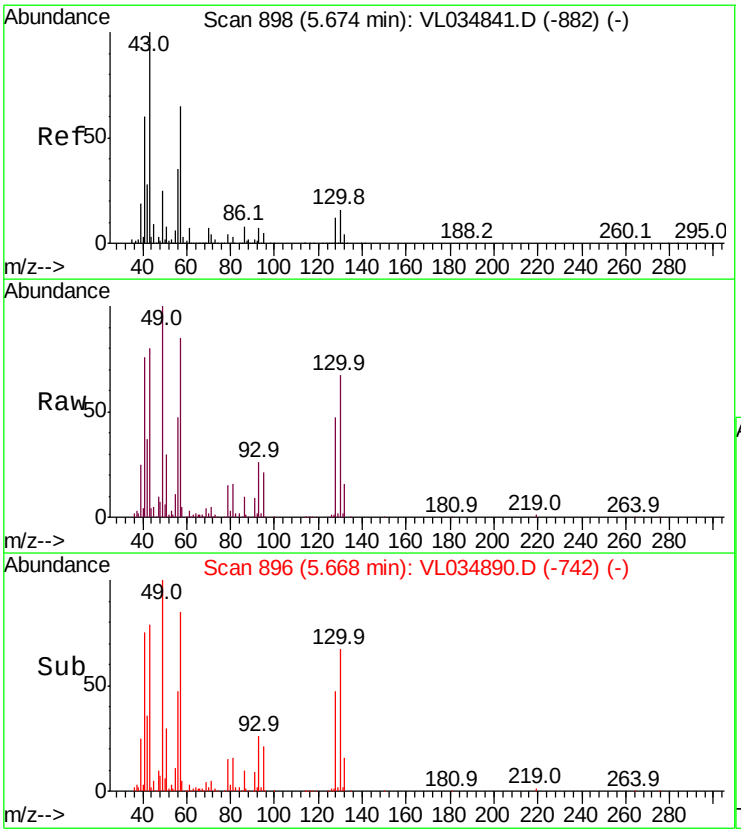
#25
Ethyl Acetate
Concen: 1.121 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 244027

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	5.9	7.8	11.6#
70	4.9	5.8	8.8#

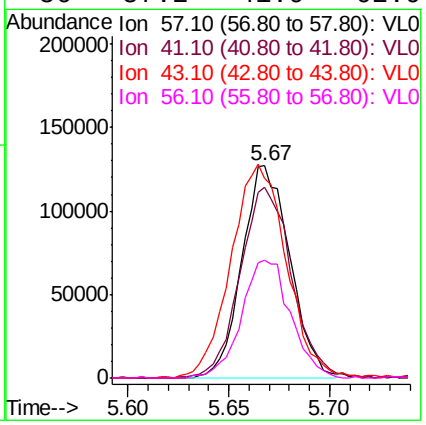


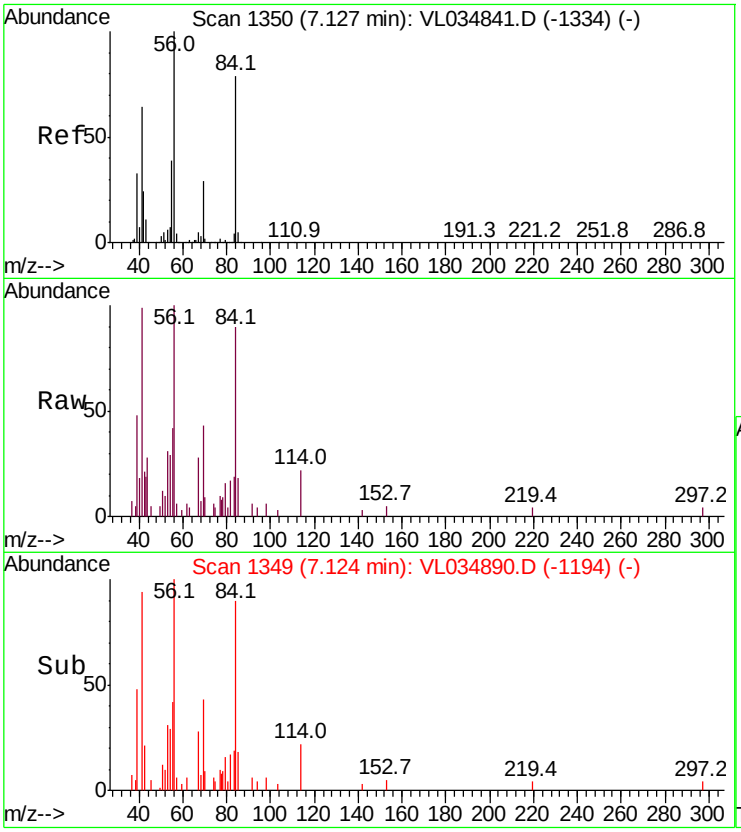


#26
Hexane
Concen: 2.255 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 57 Resp: 211472

Ion	Ratio	Lower	Upper
57	100		
41	97.0	72.6	109.0
43	116.9	183.8	275.6#
56	57.2	41.9	62.9



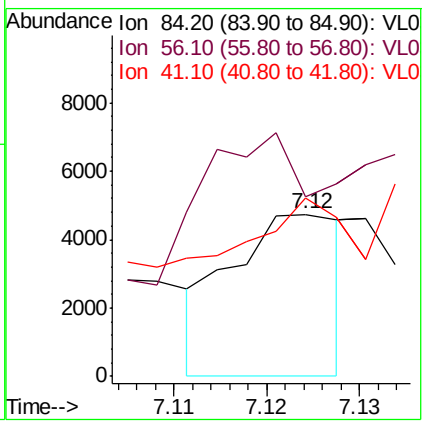


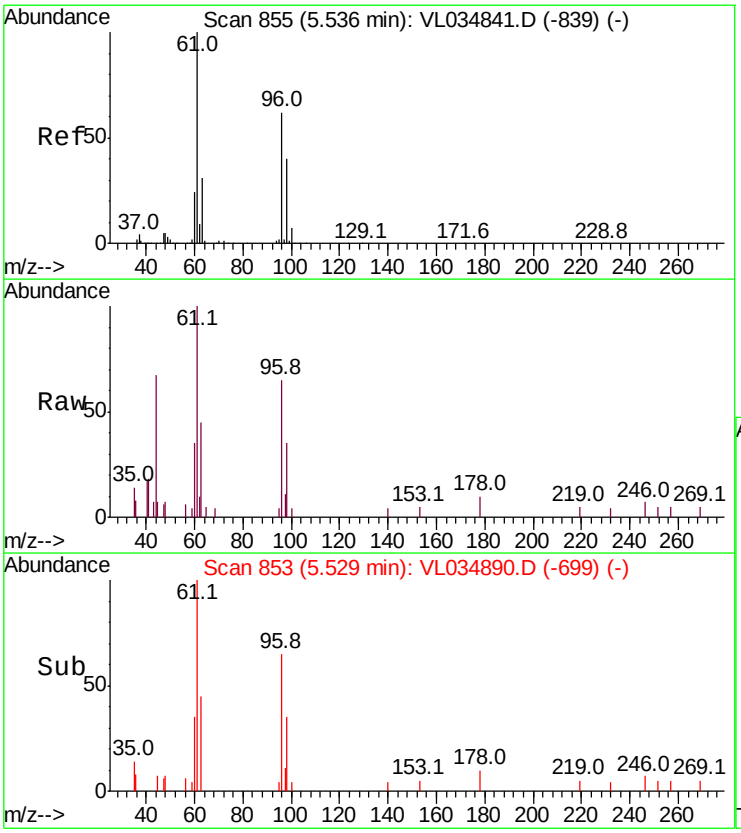
#30
Cyclohexane
Concen: 0.050 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 3936

Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.5	165.7#
41	0.0	68.2	102.4#

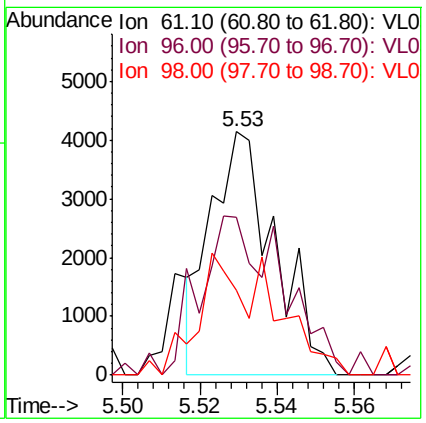


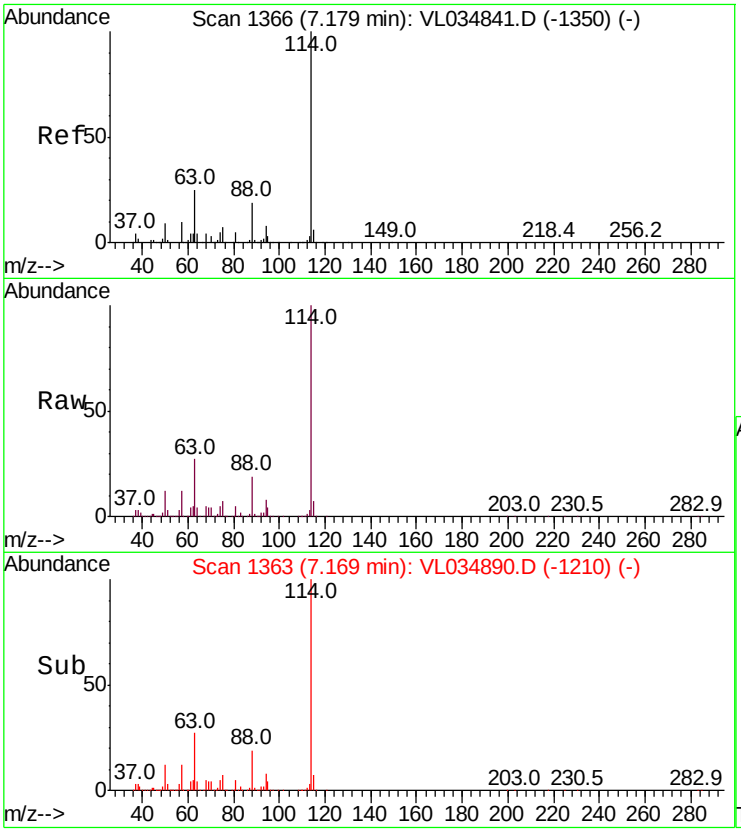


#31
cis-1,2-Dichloroethene
Concen: 0.050 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 61 Resp: 4760

Ion	Ratio	Lower	Upper
61	100		
96	59.6	49.8	74.8
98	28.0	32.2	48.4#



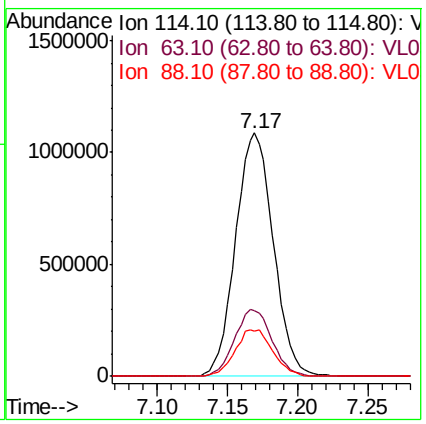


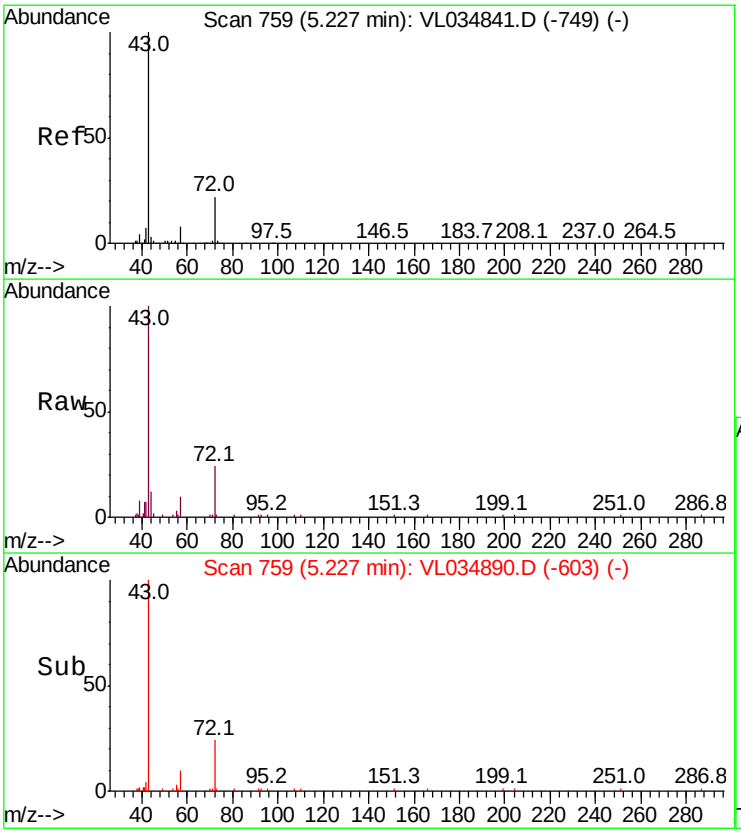
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2041472

Ion	Ratio	Lower	Upper
114	100		
63	27.3	20.6	31.0
88	19.3	15.0	22.6

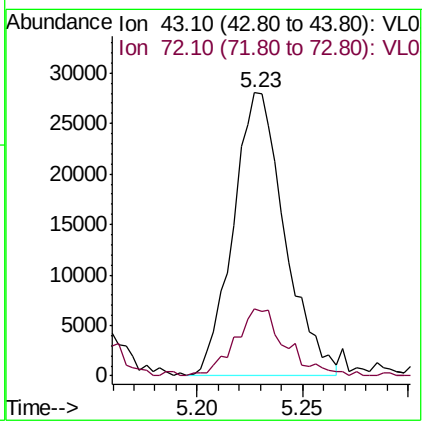


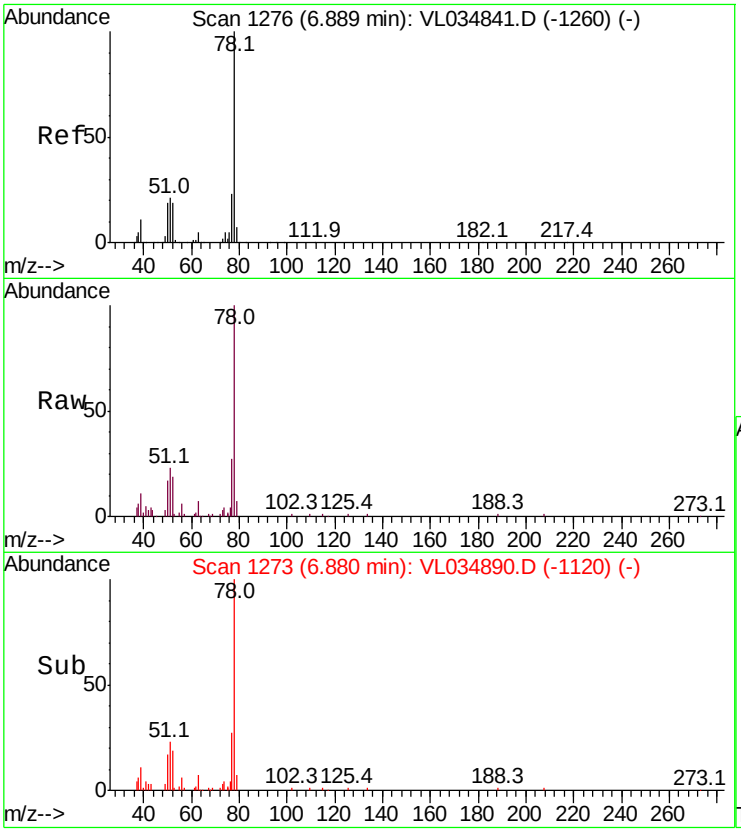


#34
2-Butanone
Concen: 0.352 ppbv
RT: 5.23 min Scan# 759
Delta R.T. 0.00 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 43 Resp: 47721

Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.6	26.4



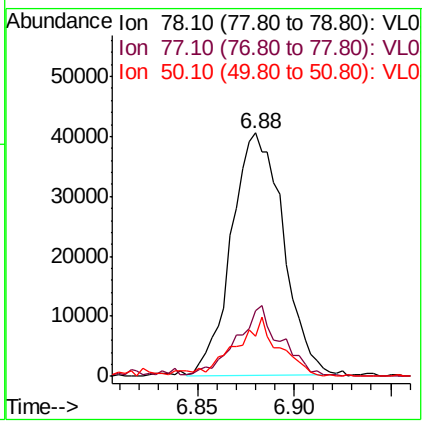


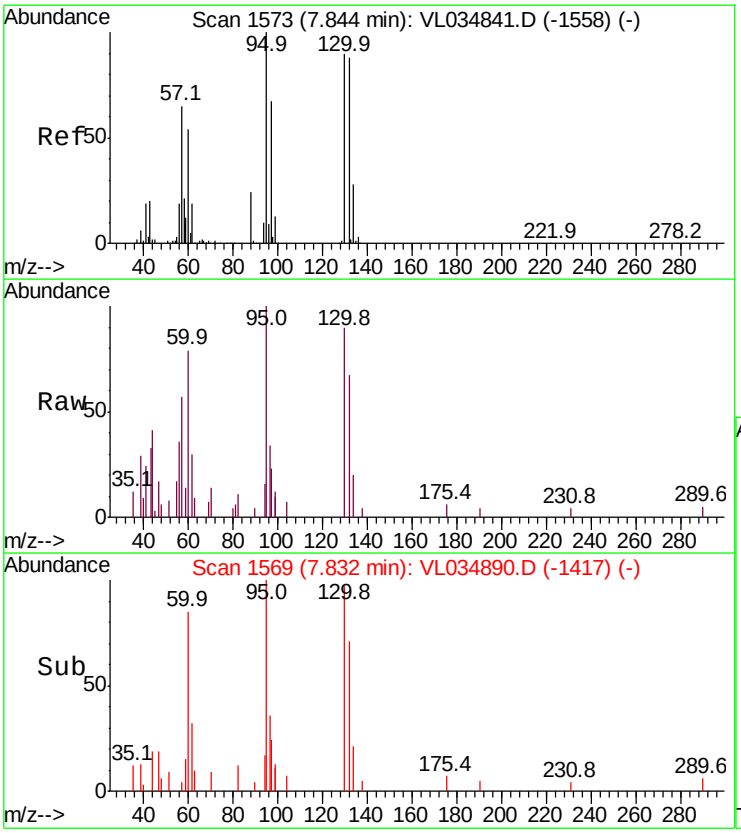
#36
Benzene
Concen: 0.411 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 74718

Ion	Ratio	Lower	Upper
78	100		
77	26.7	18.2	27.2
50	16.8	15.2	22.8

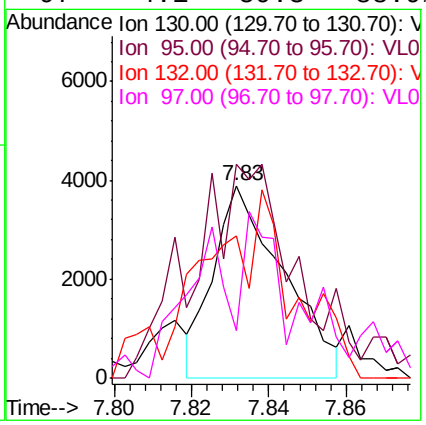


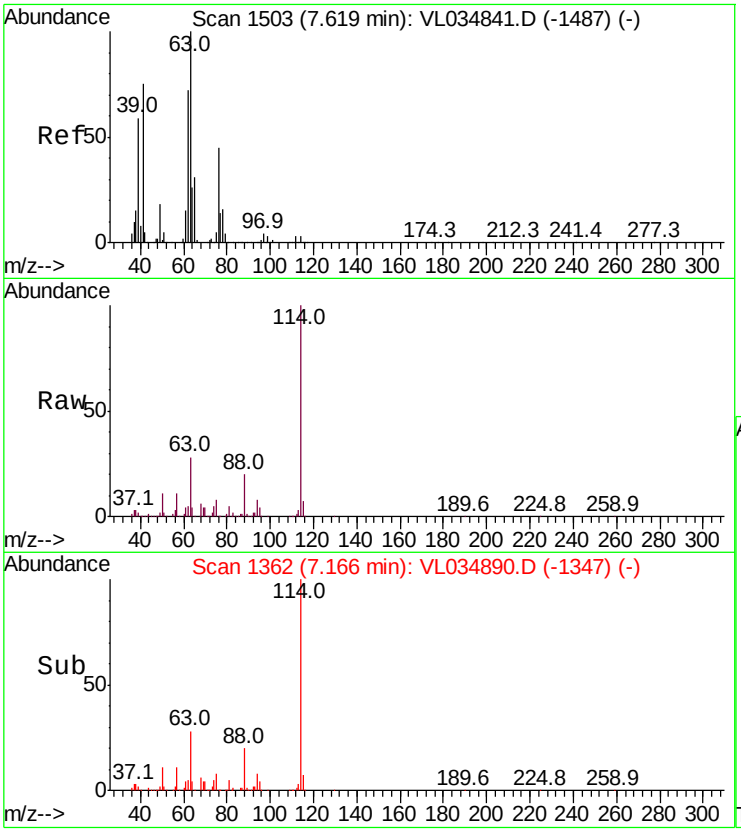


#38
Trichloroethene
Concen: 0.071 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion:130 Resp: 4888

Ion	Ratio	Lower	Upper
130	100		
95	88.2	88.5	132.7#
132	50.8	78.0	117.0#
97	4.1	59.3	88.9#



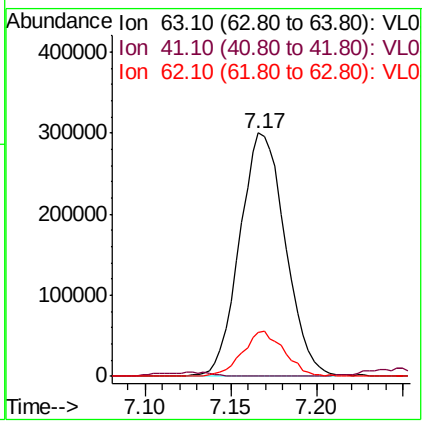


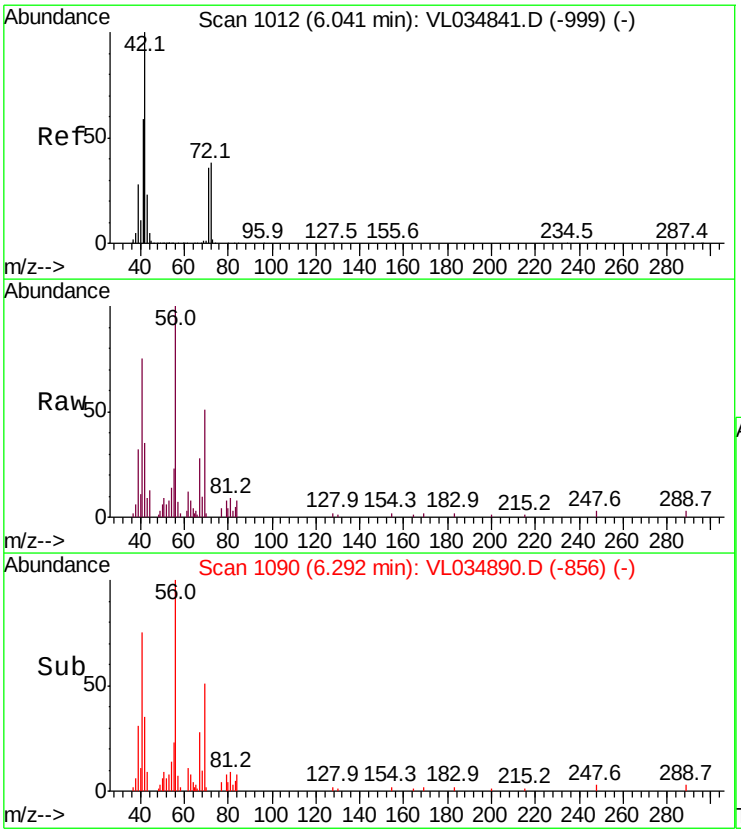
#39
1,2-Dichloropropane
Concen: 7.670 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.45 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 552986

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.8	89.8#
62	17.9	57.6	86.4#

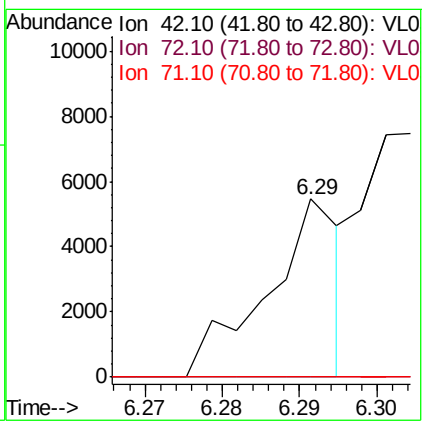


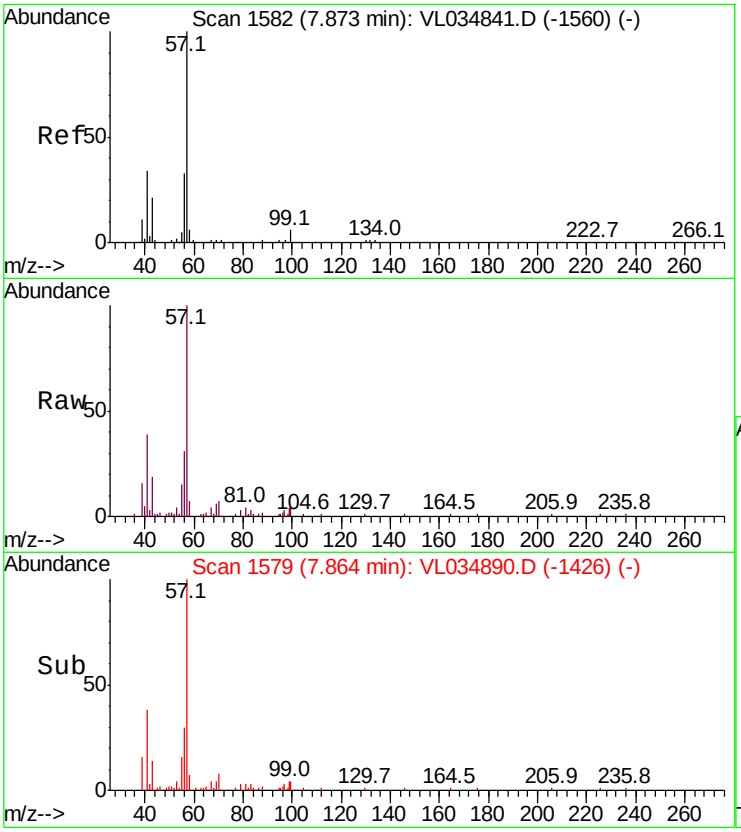


#41
Tetrahydrofuran
Concen: 0.049 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. 0.25 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 42 Resp: 3597

Ion	Ratio	Lower	Upper
42	100		
72	3.3	30.8	46.2#
71	0.0	30.1	45.1#



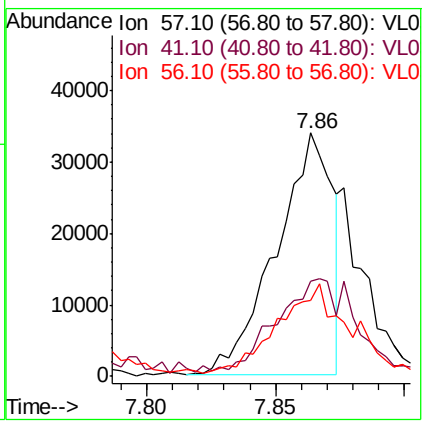


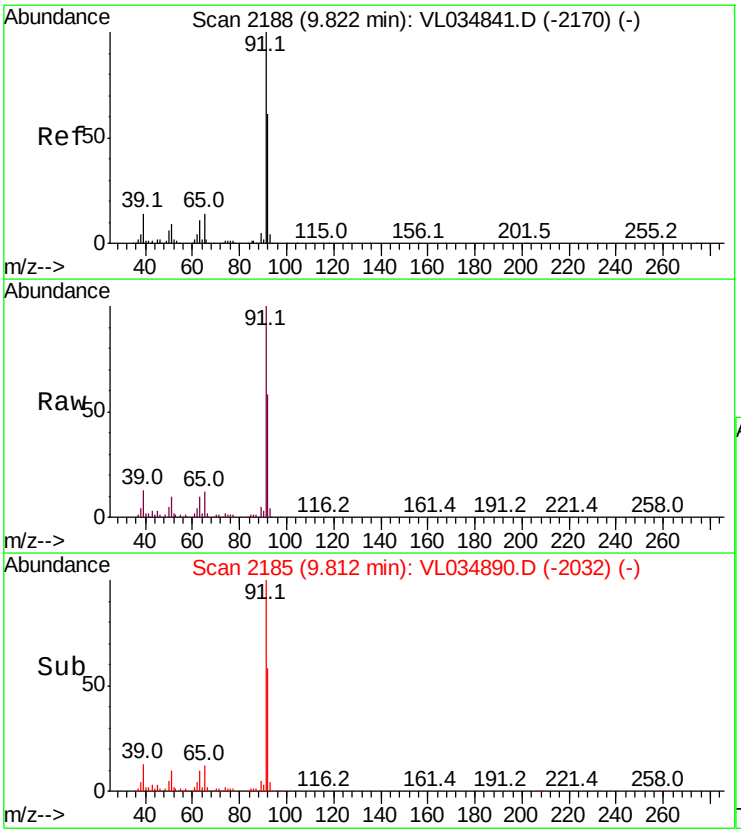
#44
2,2,4-Trimethylpentane
Concen: 0.168 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 51628

Ion	Ratio	Lower	Upper
57	100		
41	61.5	26.2	39.4#
56	51.1	25.0	37.4#

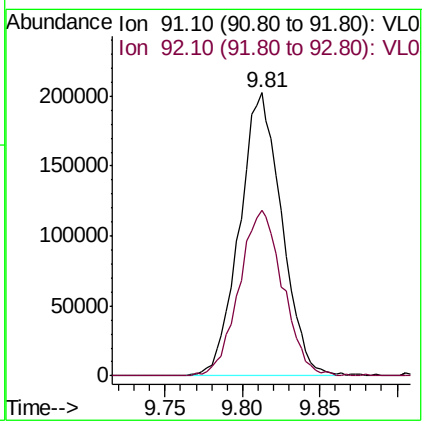


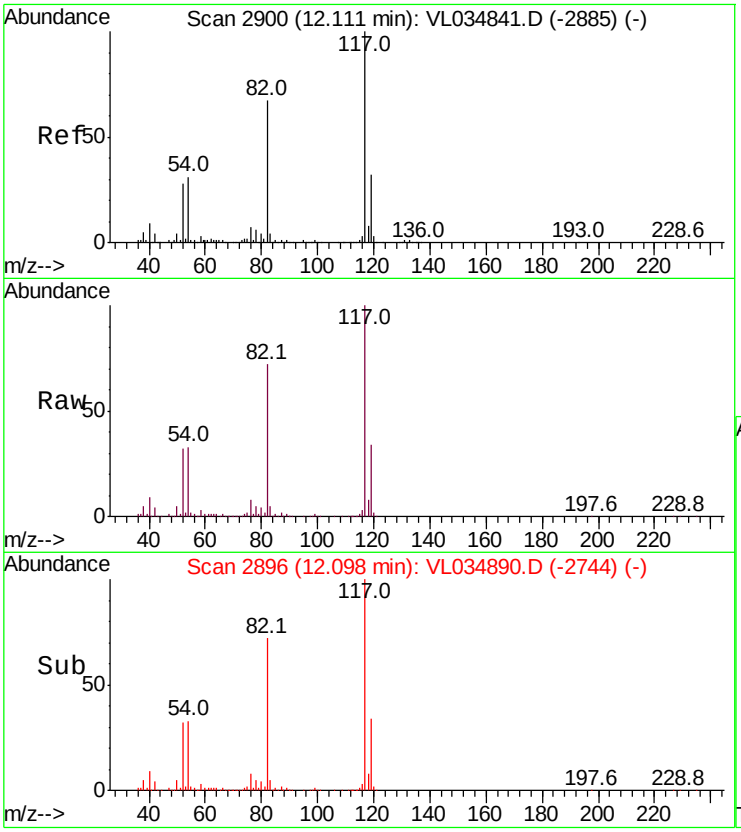


#53
Toluene
Concen: 1.830 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 91 Resp: 384631

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.6	72.8



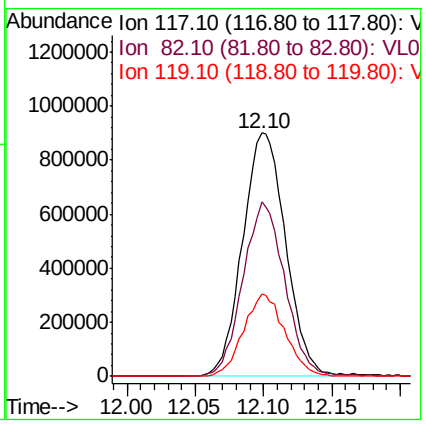


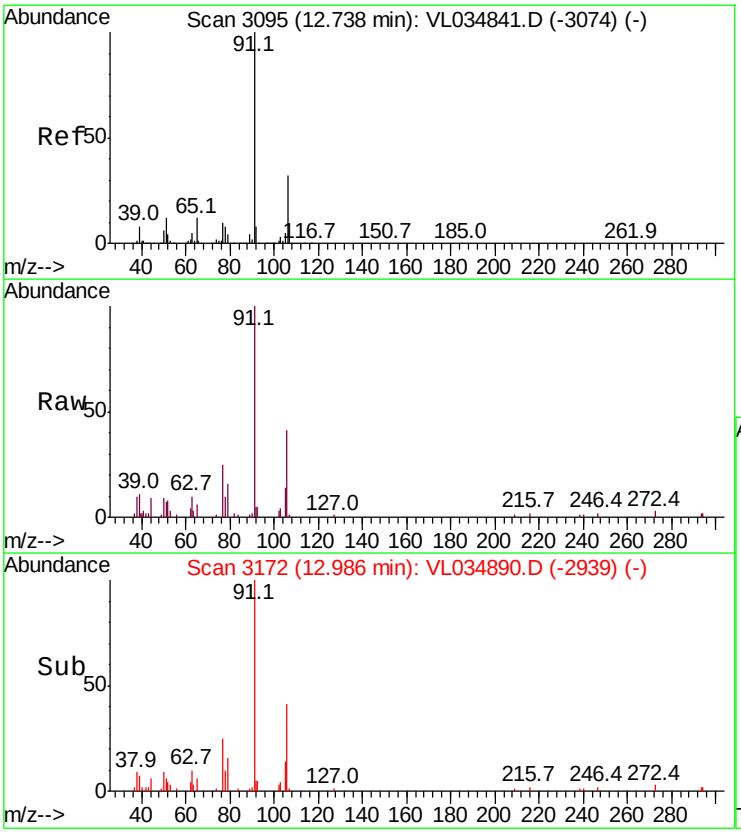
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1972910

Ion	Ratio	Lower	Upper
117	100		
82	70.1	51.1	76.7
119	32.6	27.3	40.9

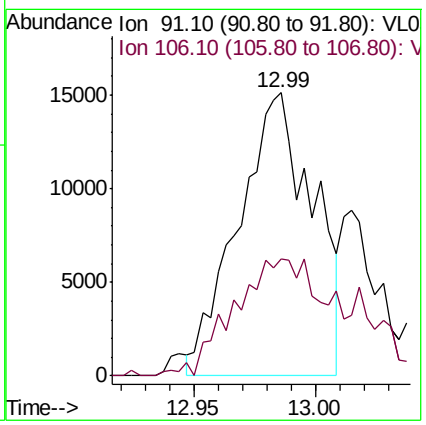


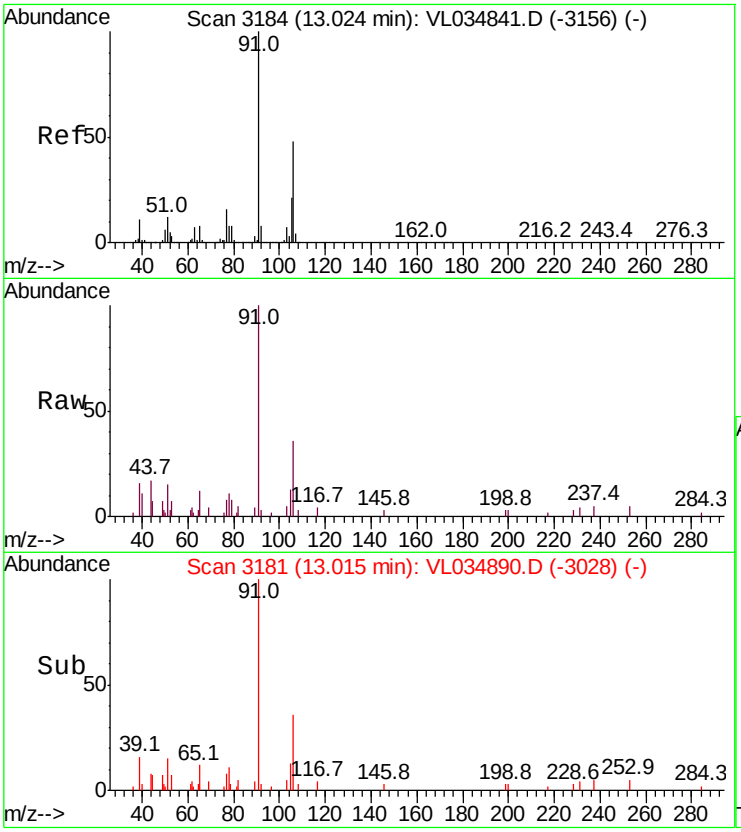


#58
Ethyl Benzene
Concen: 0.121 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. 0.25 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 91 Resp: 32286

Ion	Ratio	Lower	Upper
91	100		
106	37.5	25.8	38.6



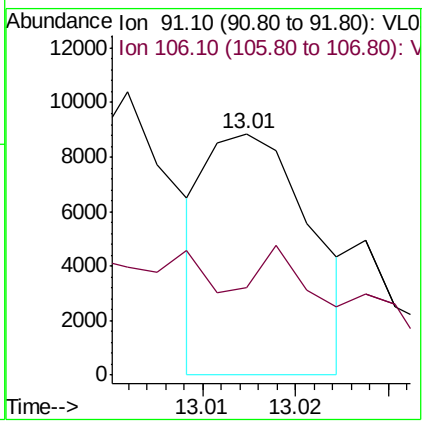


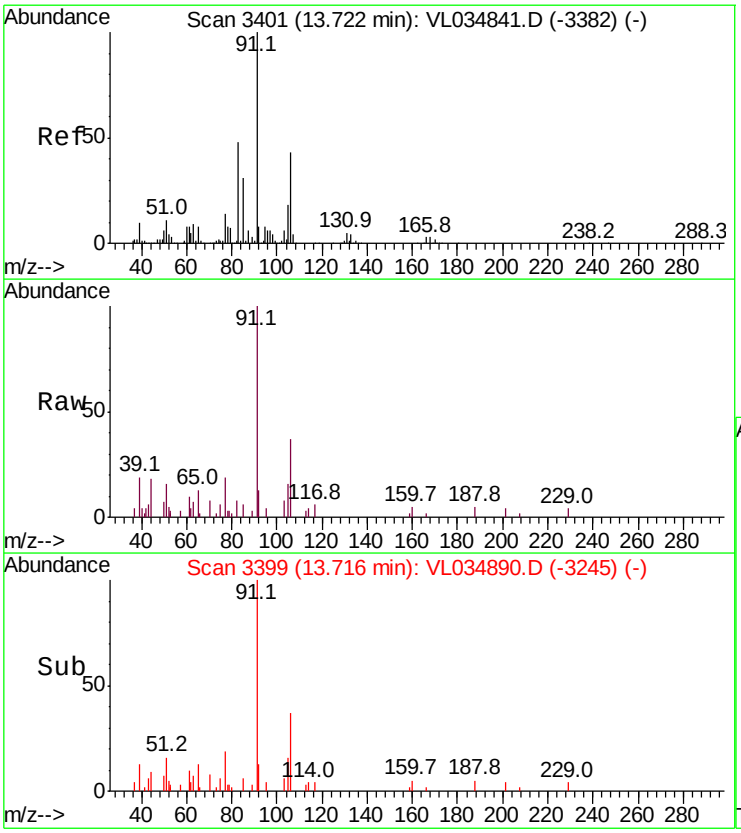
#59
m/p-Xylene
Concen: 0.031 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 6845

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.1	55.7#

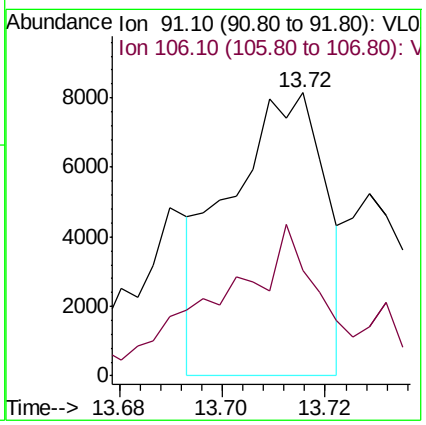


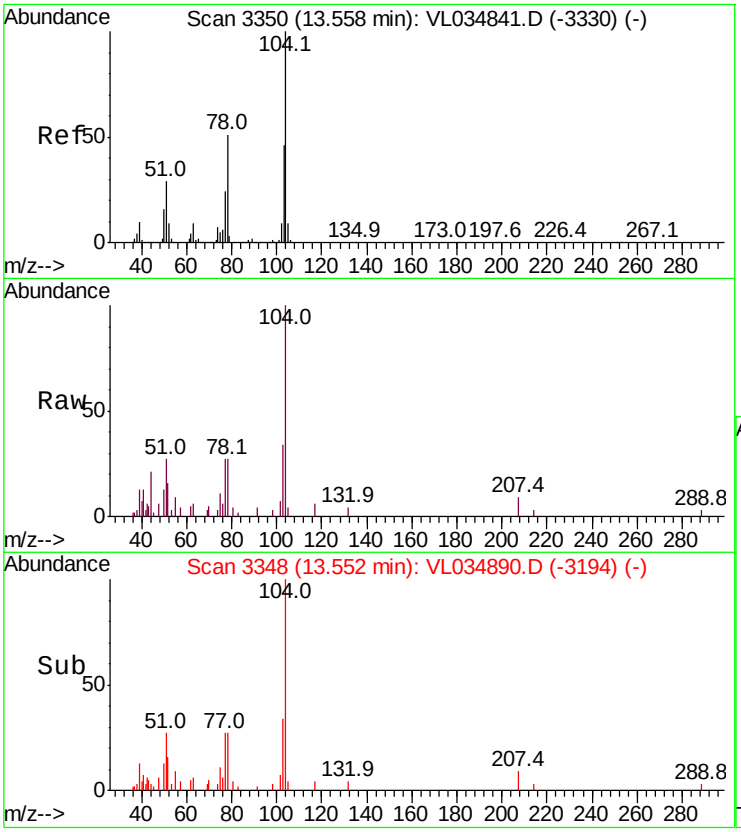


#60
o-Xylene
Concen: 0.049 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 91 Resp: 10601

Ion	Ratio	Lower	Upper
91	100		
106	65.8	22.5	67.5



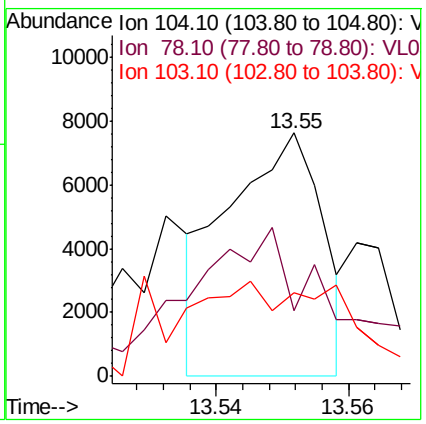


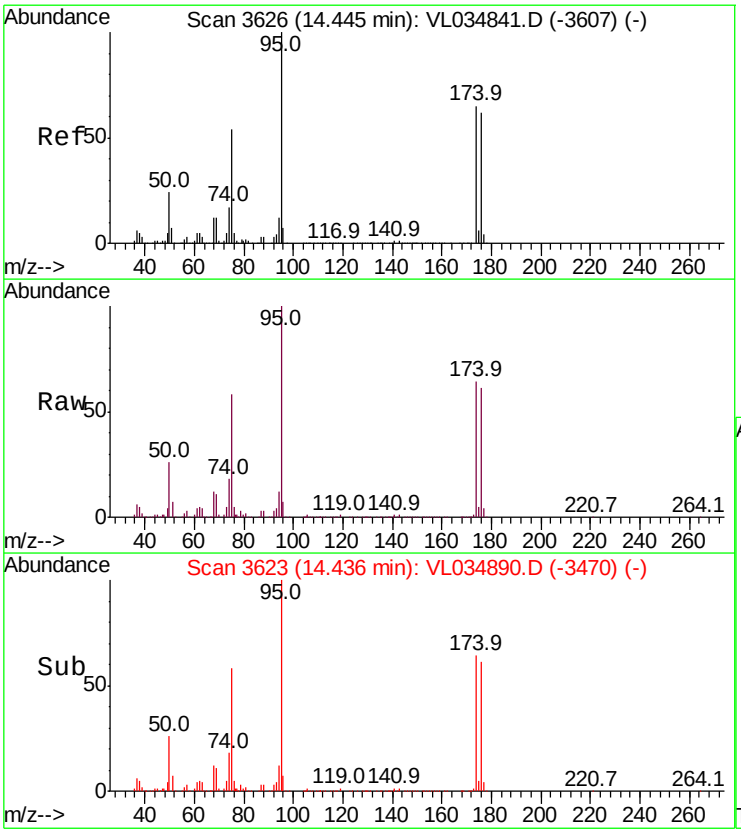
#61
Stvrene
Concen: 0.050 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 7601

Ion	Ratio	Lower	Upper
104	100		
78	109.0	41.8	62.6#
103	0.0	37.8	56.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.566 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL034890.D
Acq: 16 Mar 2020 14:41

Tgt Ion: 95 Resp: 1625751

Ion	Ratio	Lower	Upper
95	100		
174	65.3	55.2	82.8
175	4.9	4.3	6.5