Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

Quantitation Report (Not Reviewed)

Data File : VL034700.D
Acq On : 26 Feb 2020 23:14
Operator : SY/AP
Sample : L1663-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Quant Time: Feb 27 07:31:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1064767	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	7.20	114	2207693	10.00	ppbv		0.01
55) Chlorobenzene-d5	12.13	117	2210805	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.47	95	1811698	9.99	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.90%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.96	51	9428	0.082	ppbv	#	70
4) Chloromethane	3.11	50	3613	0.056	ppbv		96
10) Heptane	8.16	43	4395	0.036	ppbv	#	1
13) Ethanol	3.59	45	2427631	159.987	ppbv		98
15) Acetone	3.84	43	396280	3.266	ppbv		99
17) tert-Butyl alcohol	4.30	59	79455	0.855	ppbv		99
19) Isopropyl Alcohol	3.97	45	883111	12.220	ppbv	#	98
20) Methylene Chloride	4.33	84	11636	0.258	ppbv	#	76
21) Allyl Chloride	4.32	41	1728	0.022	ppbv	#	1
23) Vinyl Acetate	5.06	43	12256	0.074	ppbv	#	71
25) Ethyl Acetate	5.69	43	26329	0.123	ppbv	#	86
26) Hexane	5.69	57	21755	0.220	ppbv	#	54
27) Carbon Disulfide	4.96	76	64147	0.571	ppbv	#	79
30) Cyclohexane	7.16	84	2167	0.028	ppbv	#	1
34) 2-Butanone	5.25	43	44482	0.320	ppbv		97
36) Benzene	6.91	78	9116	0.048	ppbv		97
39) 1,2-Dichloropropane	7.20	63	611572	8.062	ppbv	#	23
41) Tetrahydrofuran	6.06	42	2445	0.033	ppbv	#	36
44) 2,2,4-Trimethylpentane	7.90	57	17259	0.052	ppbv	#	16
53) Toluene	9.84	91	141236	0.696	ppbv		97
58) Ethyl Benzene	13.03	91	23821	0.089	ppbv		100
59) m/p-Xylene	13.05	91	19881	0.085	ppbv	#	32
60) o-Xylene	13.74	91	24053	0.104	ppbv		74
69) p-Isopropyltoluene	17.72	119	17681	0.051	ppbv	#	46
74) 1,2,4-Trimethylbenzene	16.82	105	17008	0.062	ppbv	#	44

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

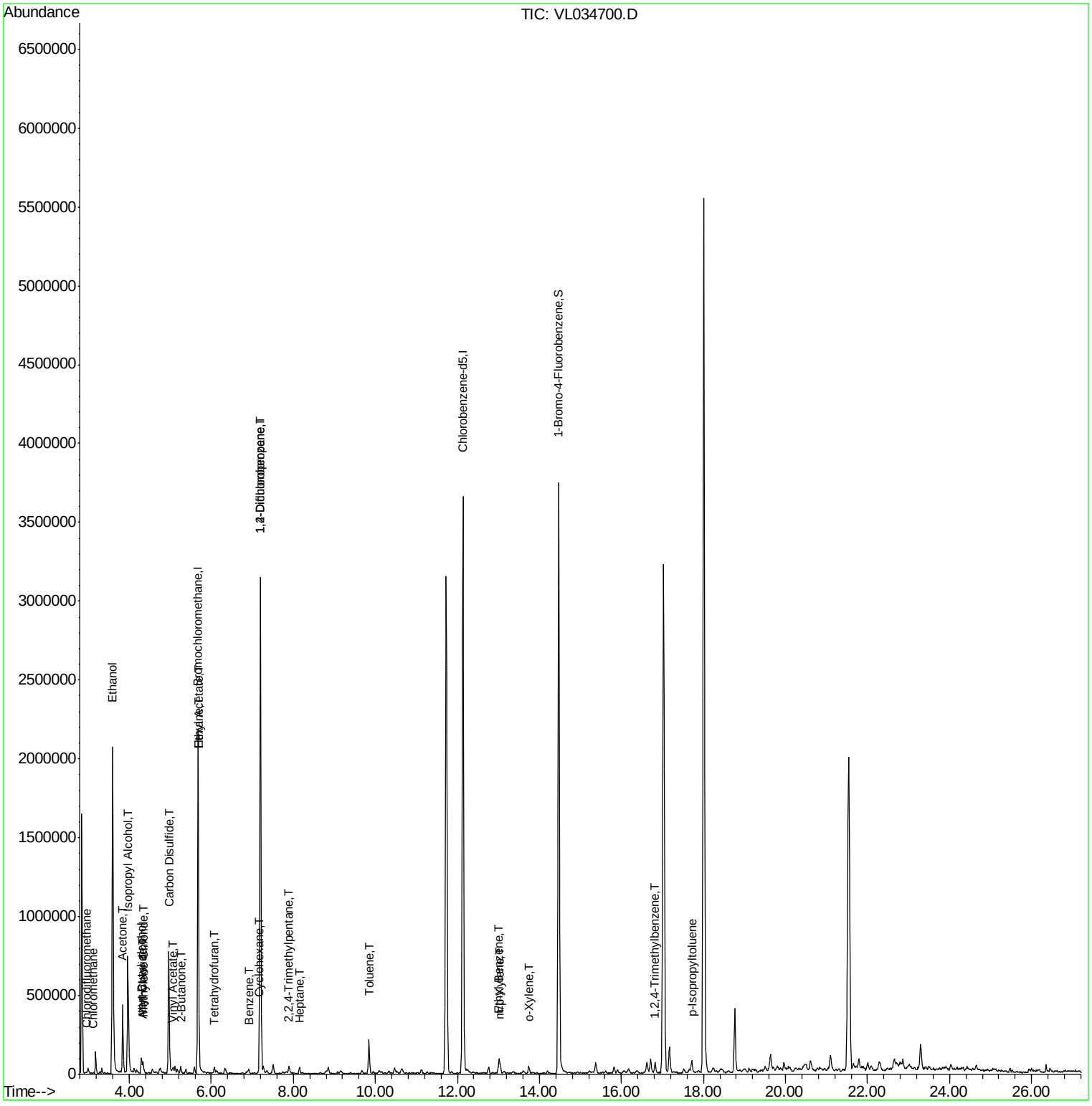
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

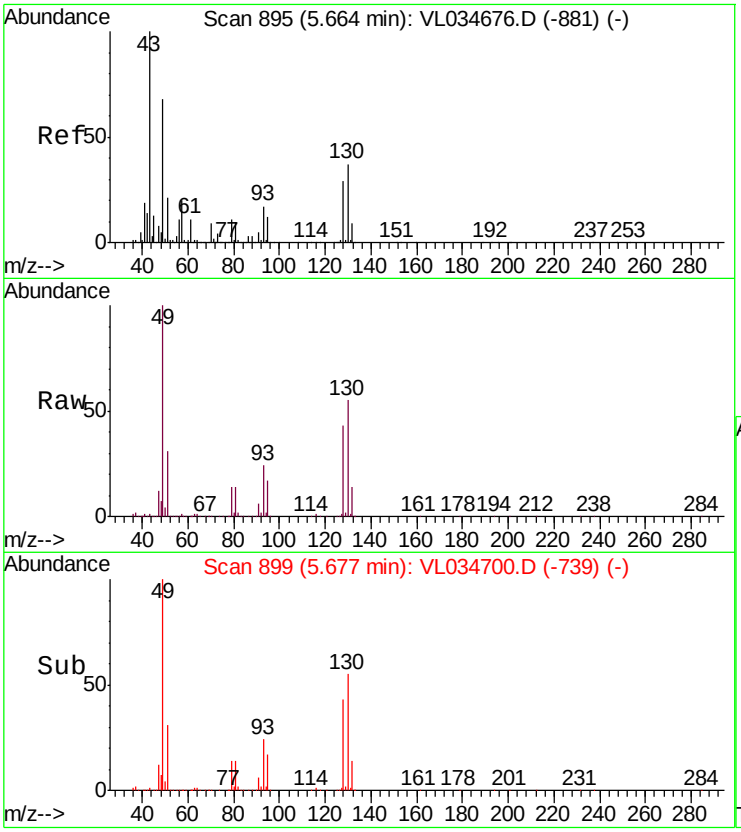
Quantitation Report (Not Reviewed)

Data File : VL034700.D
Acq On : 26 Feb 2020 23:14
Operator : SY/AP
Sample : L1663-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Quant Time: Feb 27 07:31:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration



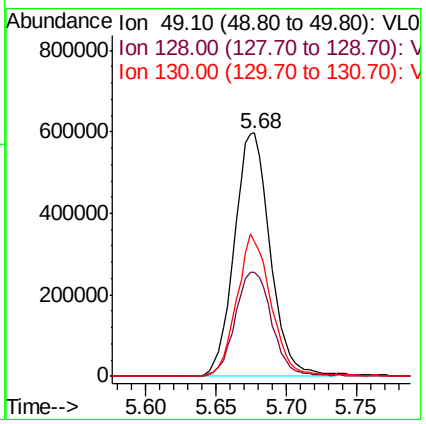


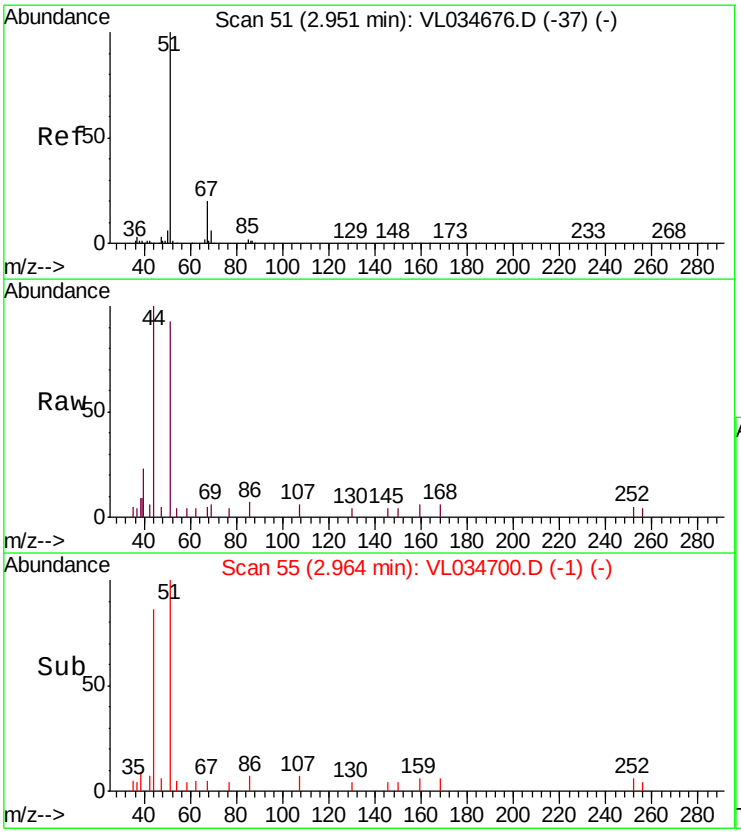
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument :
MSVOA_L
ClientSampleId :
EP-103DL

Tgt Ion: 49 Resp: 1064767

Ion	Ratio	Lower	Upper
49	100		
128	44.0	21.6	65.0
130	56.2	27.7	83.1

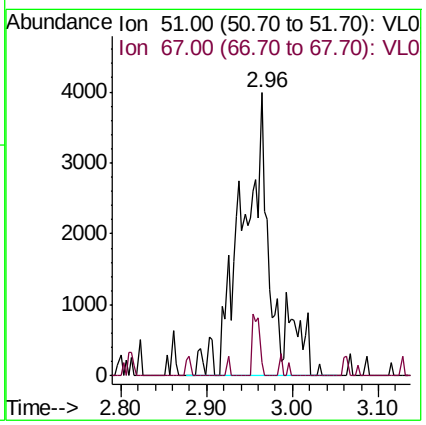


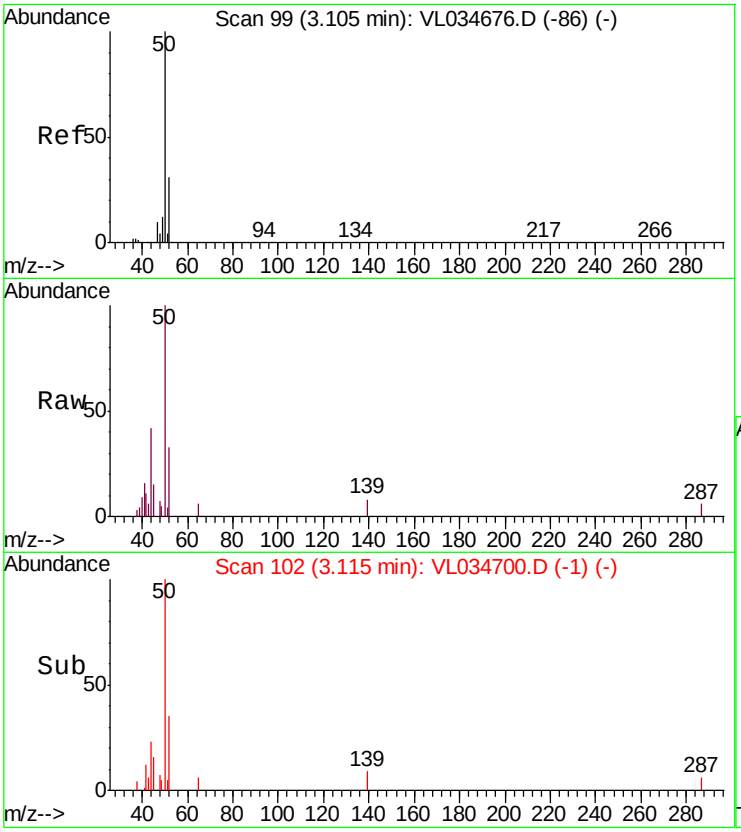


#3
Chlorodifluoromethane
Concen: 0.082 ppbv
RT: 2.96 min Scan# 55
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 51 Resp: 9428

Ion	Ratio	Lower	Upper
51	100		
67	6.0	15.5	23.3#



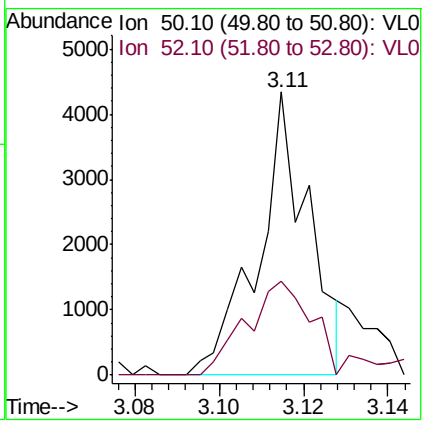


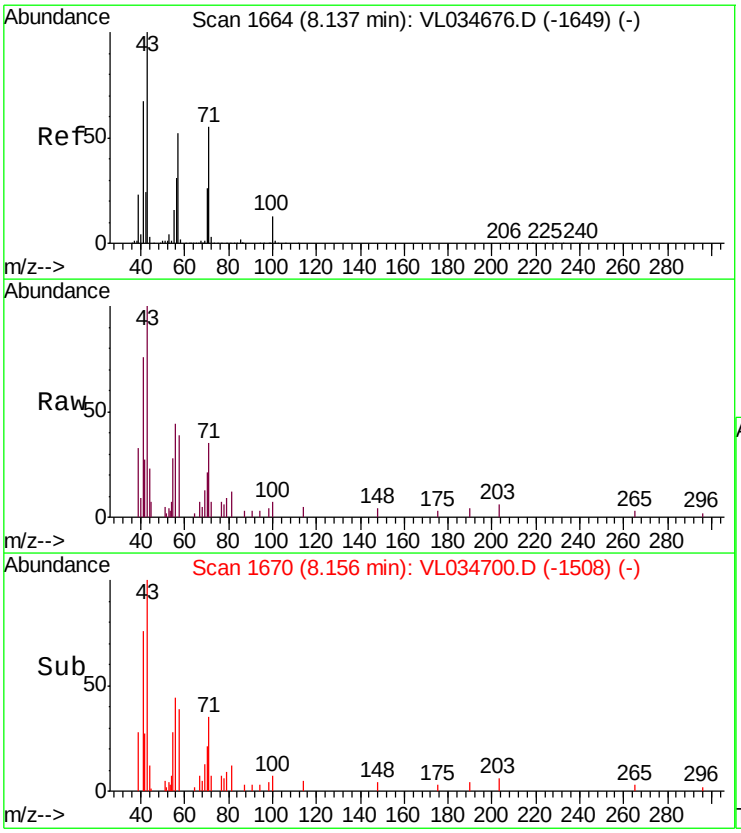
#4
Chloromethane
Concen: 0.056 ppbv
RT: 3.11 min Scan# 102
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Tgt Ion: 50 Resp: 3613

Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.0	37.4

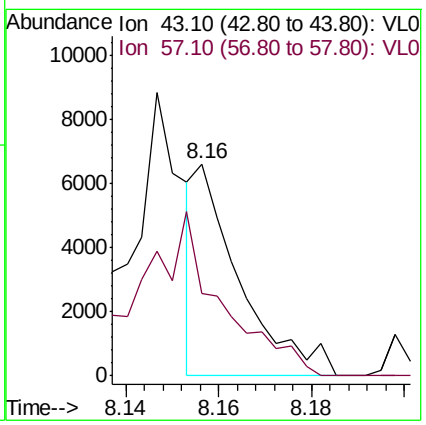


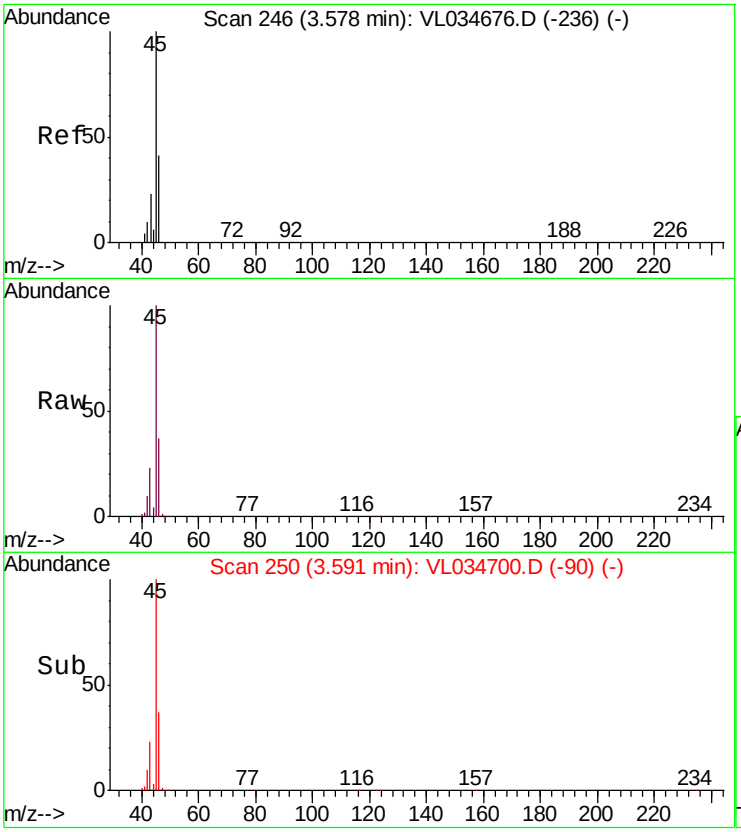


#10
Heptane
Concen: 0.036 ppbv
RT: 8.16 min Scan# 1670
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 43 Resp: 4395

Ion	Ratio	Lower	Upper
43	100		
57	157.1	41.0	61.6#



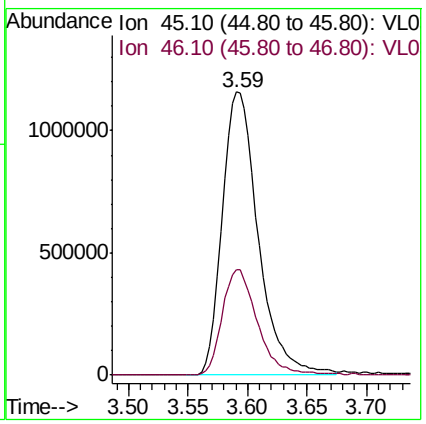


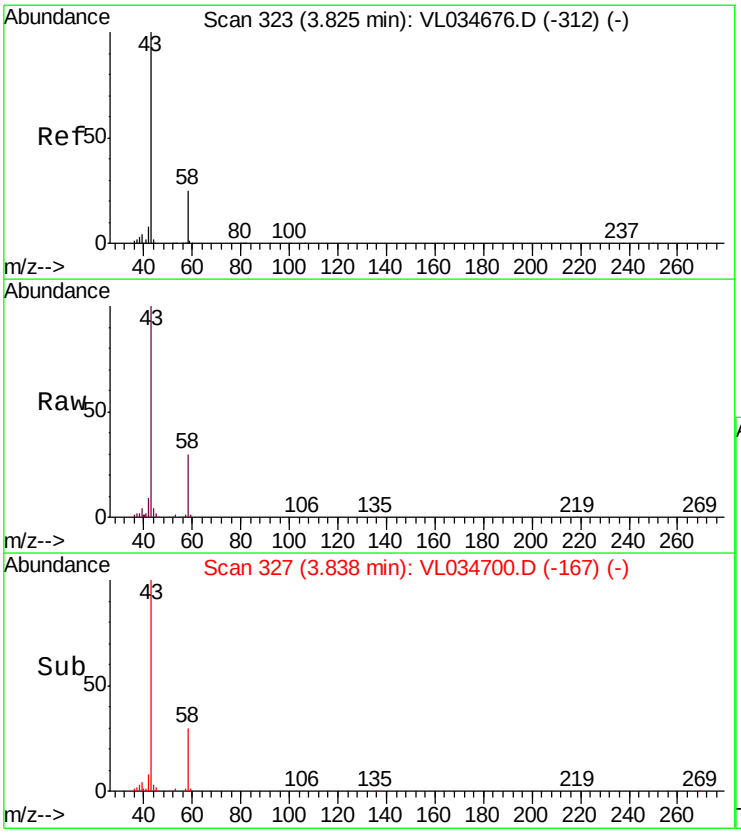
#13
Ethanol
Concen: 159.987 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument :
MSVOA_L
ClientSampleId :
EP-103DL

Tgt Ion: 45 Resp: 2427631

Ion	Ratio	Lower	Upper
45	100		
46	37.0	15.4	61.4

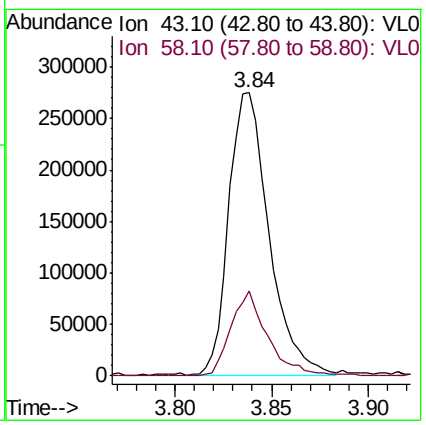


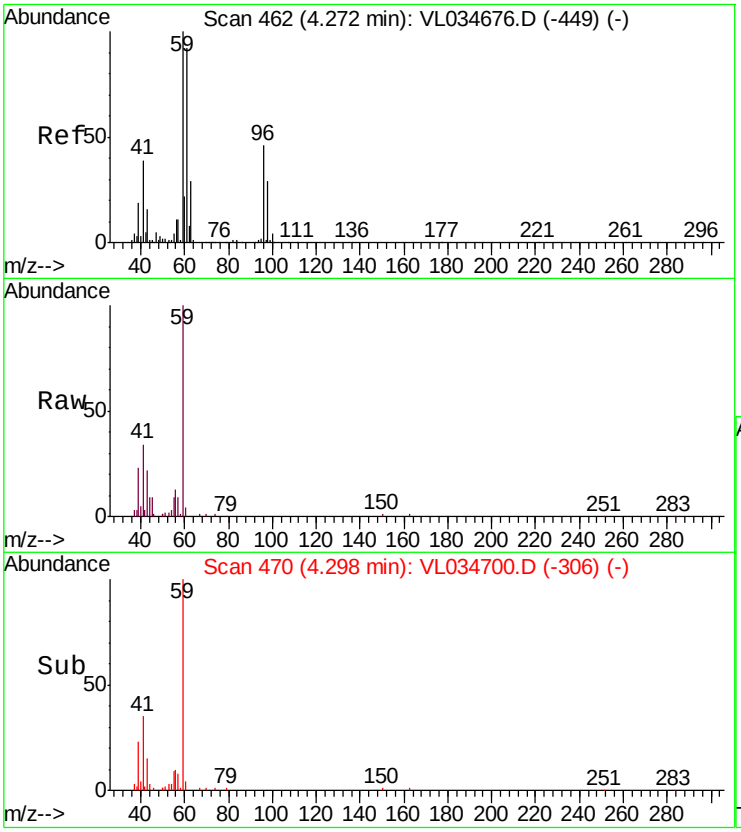


#15
Acetone
Concen: 3.266 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 43 Resp: 396280

Ion	Ratio	Lower	Upper
43	100		
58	27.4	21.4	32.0



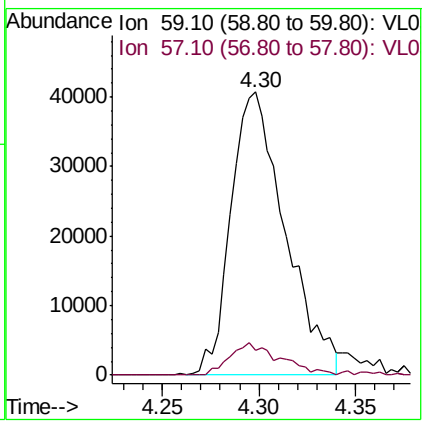


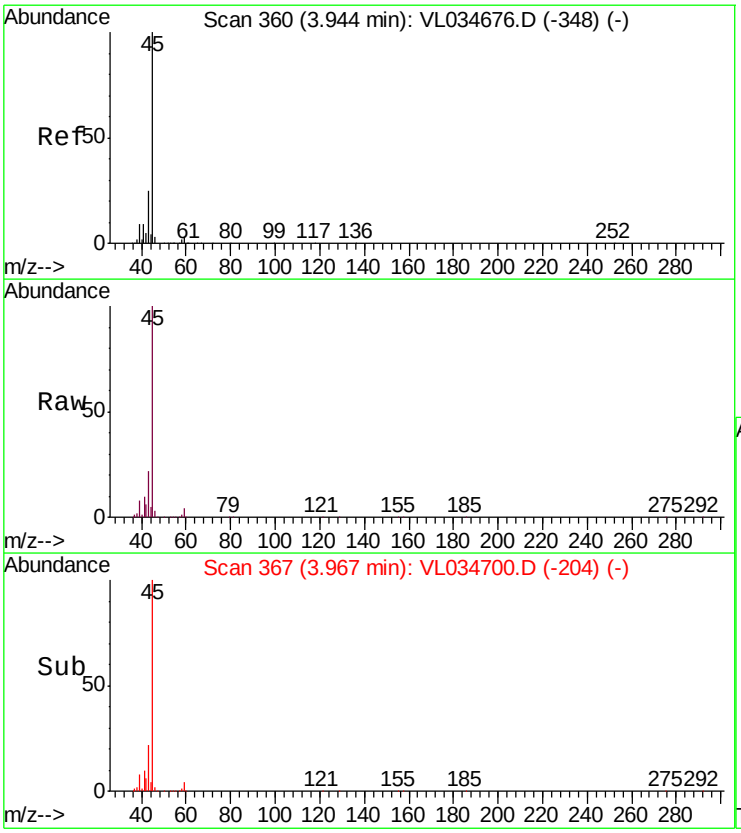
#17
tert-Butyl alcohol
Concen: 0.855 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.03 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument :
MSVOA_L
ClientSampleId :
EP-103DL

Tgt Ion: 59 Resp: 79455

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.8	13.2

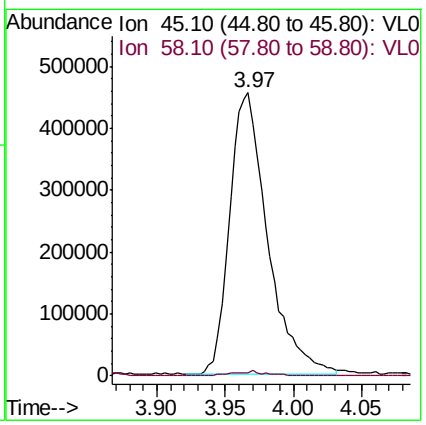


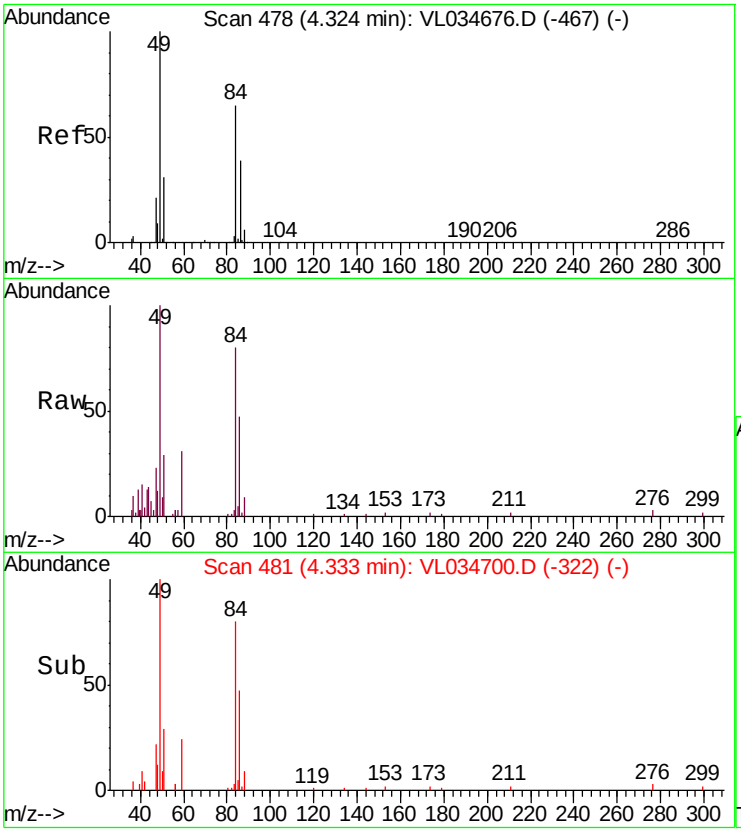


#19
Isopropyl Alcohol
Concen: 12.220 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 45 Resp: 883111

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.8	2.6#



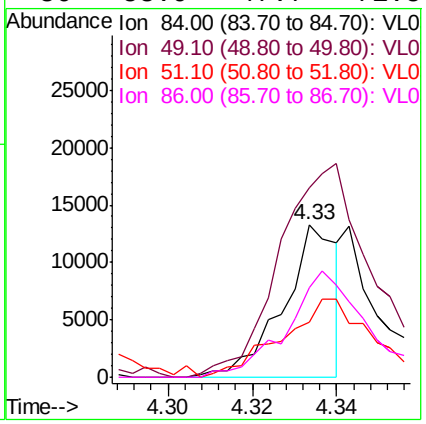


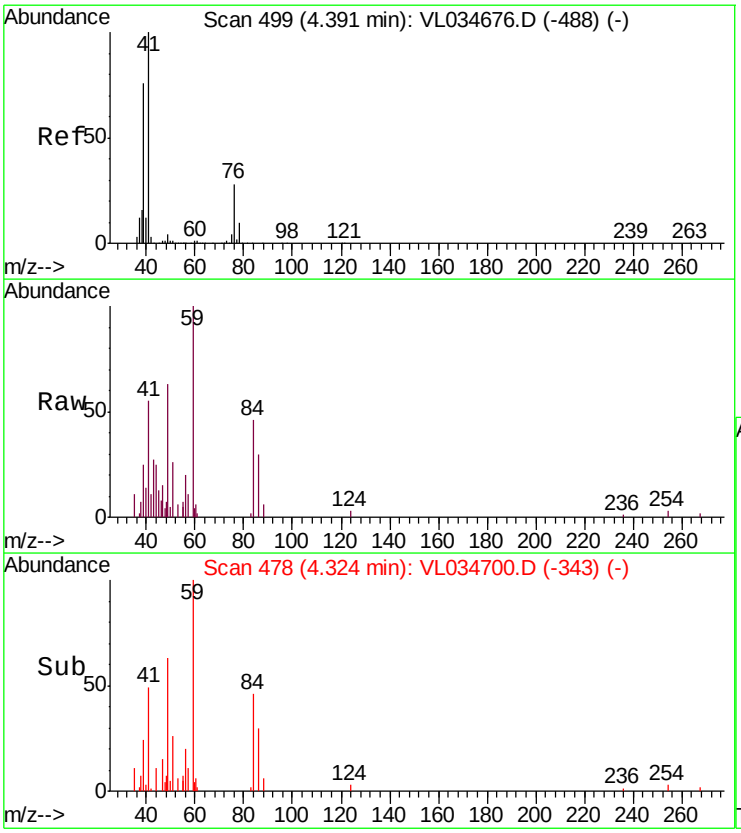
#20
Methylene Chloride
Concen: 0.258 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Tgt Ion: 84 Resp: 11636

Ion	Ratio	Lower	Upper
84	100		
49	114.4	122.8	184.2#
51	28.1	38.6	58.0#
86	58.9	47.7	71.5

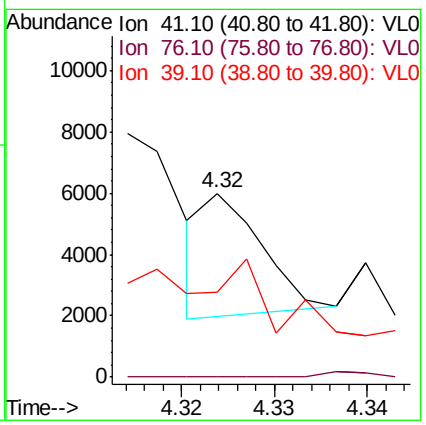


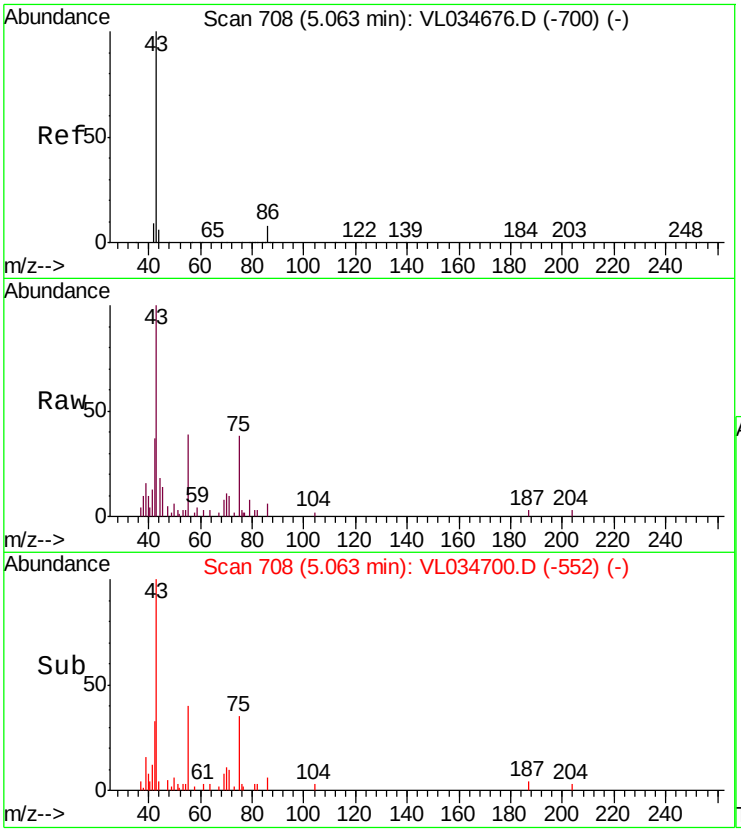


#21
Allyl Chloride
Concen: 0.022 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.07 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 41 Resp: 1728

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.8	34.2#
39	198.3	61.7	92.5#



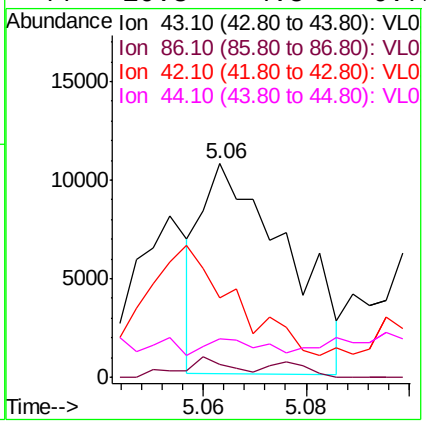


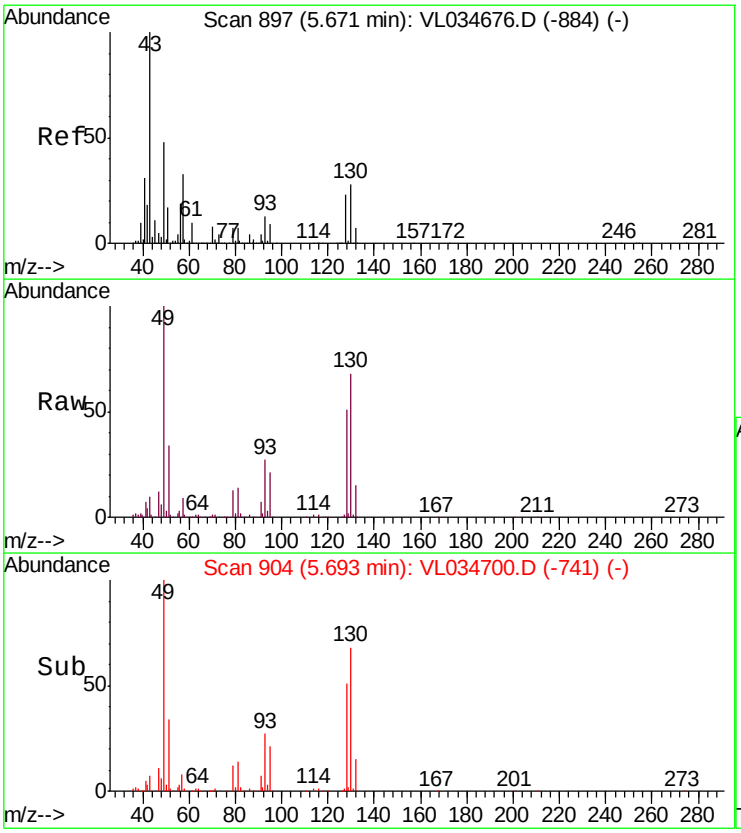
#23
Vinyl Acetate
Concen: 0.074 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.00 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Tgt Ion: 43 Resp: 12256

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.0	9.0
42	31.3	8.0	12.0#
44	10.3	4.5	6.7#

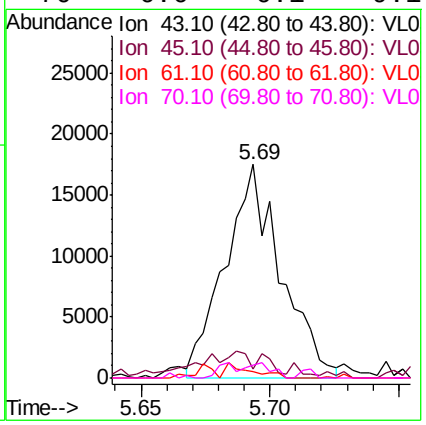


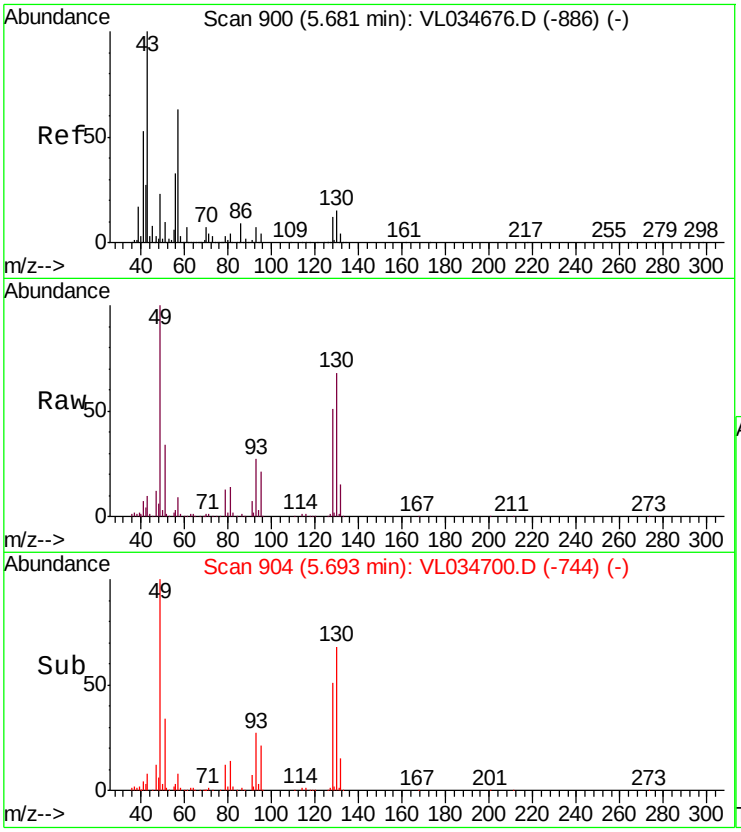


#25
Ethyl Acetate
Concen: 0.123 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 43 Resp: 26329

Ion	Ratio	Lower	Upper
43	100		
45	19.3	8.2	12.4#
61	5.5	7.8	11.6#
70	6.6	6.1	9.1



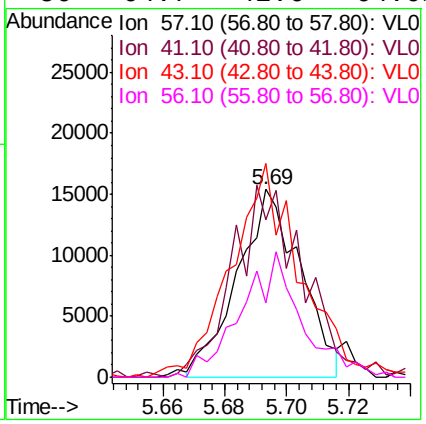


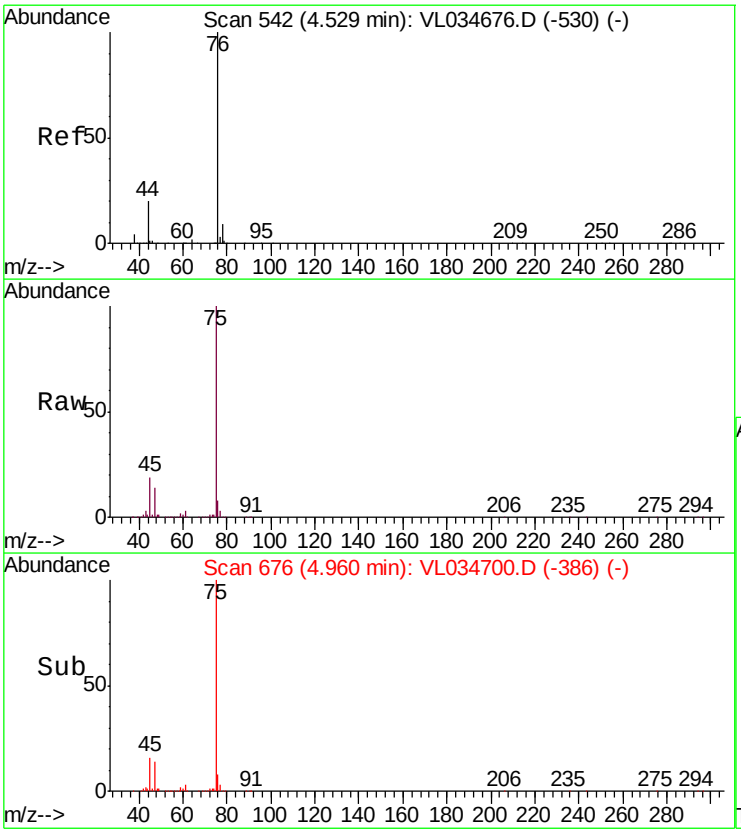
#26
Hexane
Concen: 0.220 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Tgt Ion: 57 Resp: 21755

Ion	Ratio	Lower	Upper
57	100		
41	117.6	70.3	105.5#
43	126.1	177.0	265.4#
56	64.7	42.6	64.0#

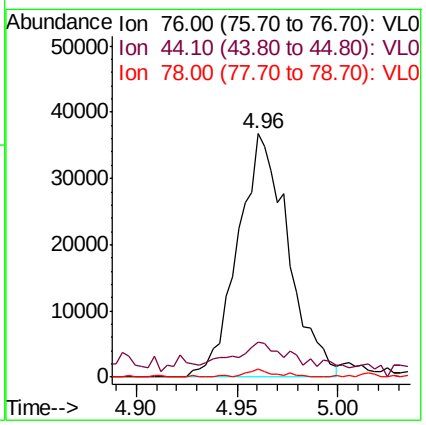


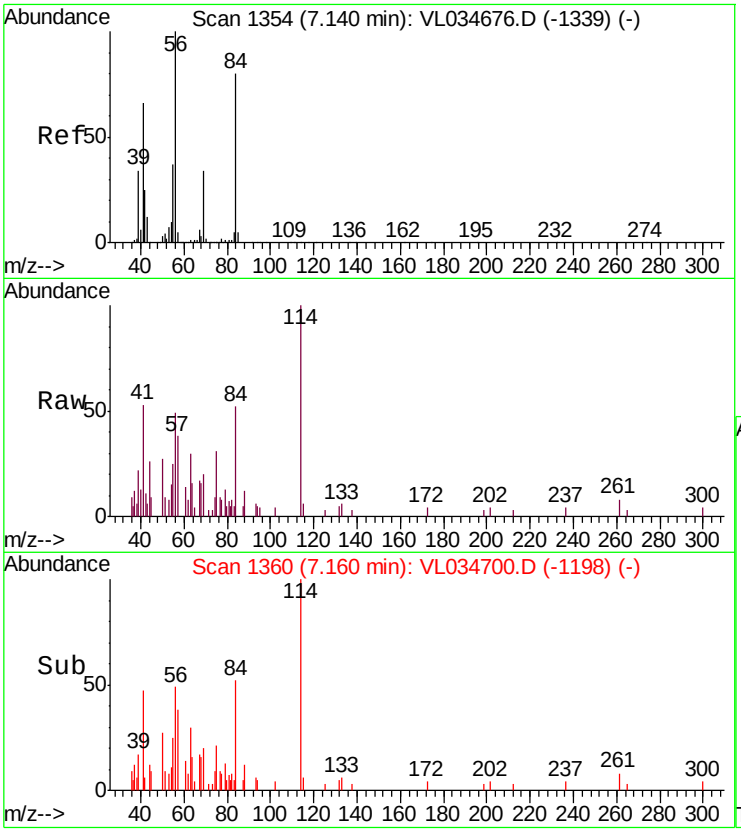


#27
Carbon Disulfide
Concen: 0.571 ppbv
RT: 4.96 min Scan# 676
Delta R.T. 0.43 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 76 Resp: 64147

Ion	Ratio	Lower	Upper
76	100		
44	9.4	15.3	22.9#
78	2.0	7.6	11.4#



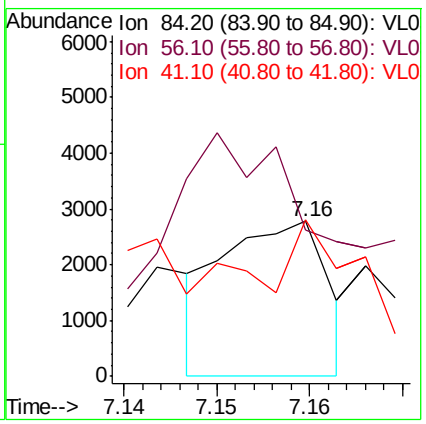


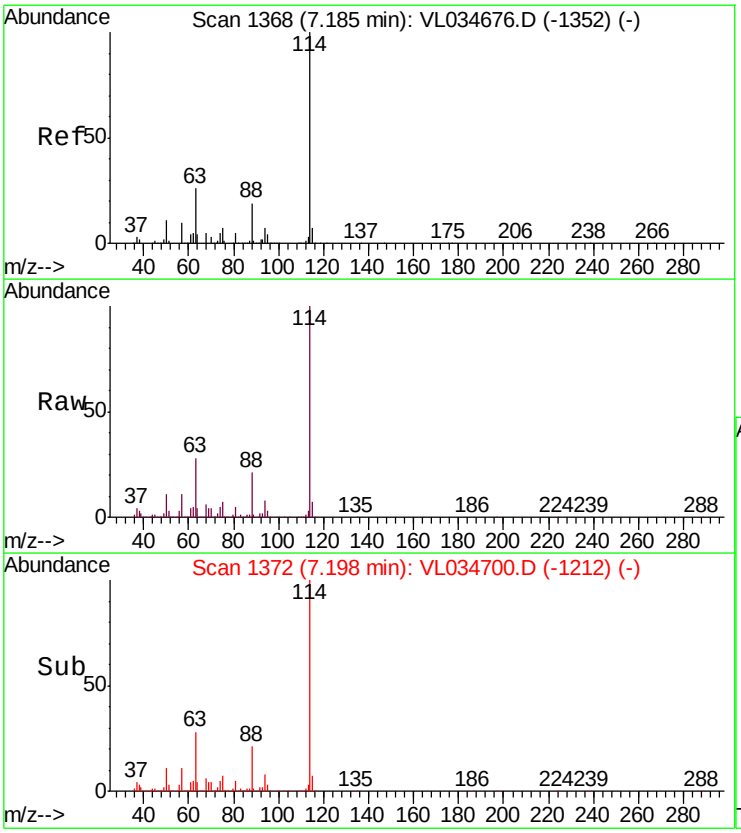
#30
Cyclohexane
Concen: 0.028 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Tgt Ion: 84 Resp: 2167

Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.4	170.2#
41	301.0	68.2	102.4#

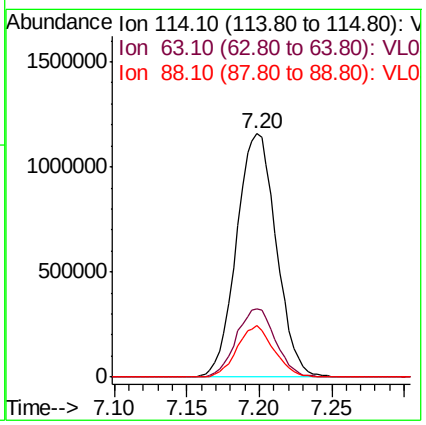


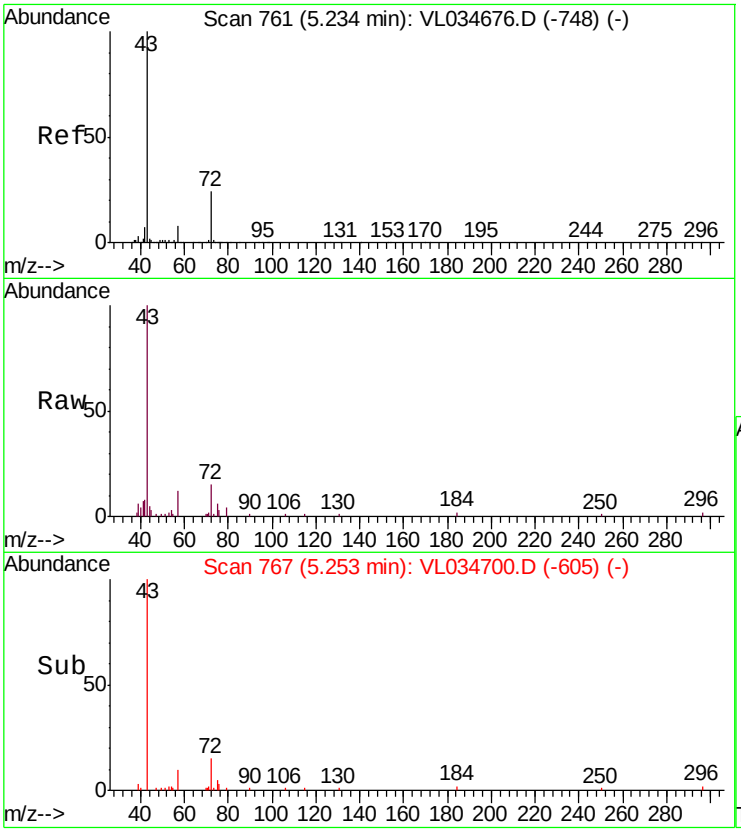


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion:114 Resp: 2207693

Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.9	34.3
88	19.7	15.8	23.6



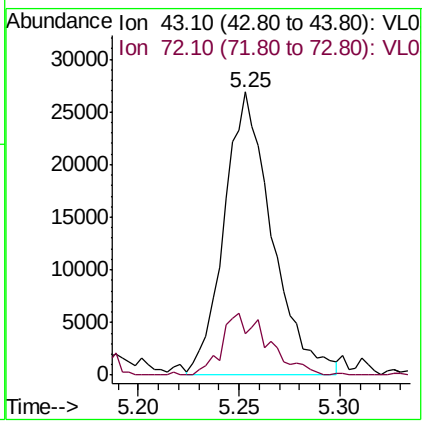


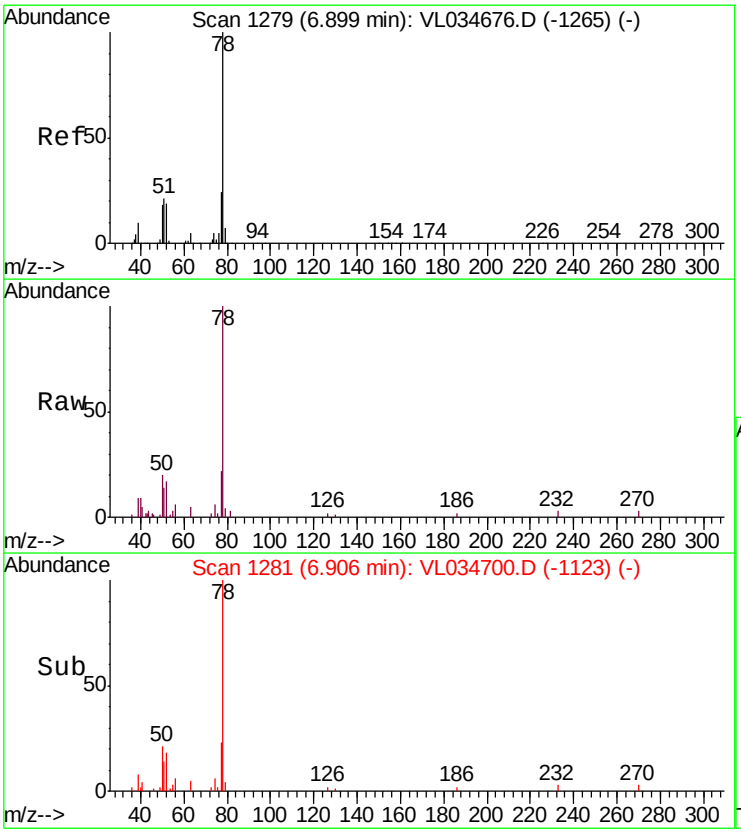
#34
2-Butanone
Concen: 0.320 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument :
MSVOA_L
ClientSampleId :
EP-103DL

Tgt Ion: 43 Resp: 44482

Ion	Ratio	Lower	Upper
43	100		
72	21.2	18.2	27.2

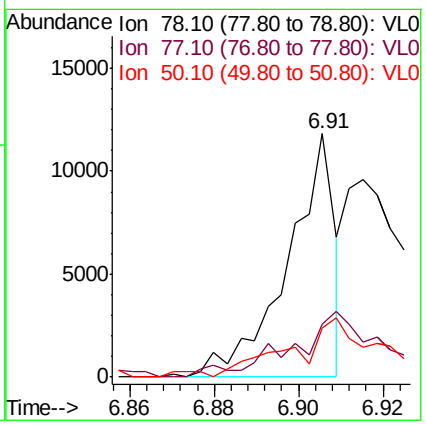


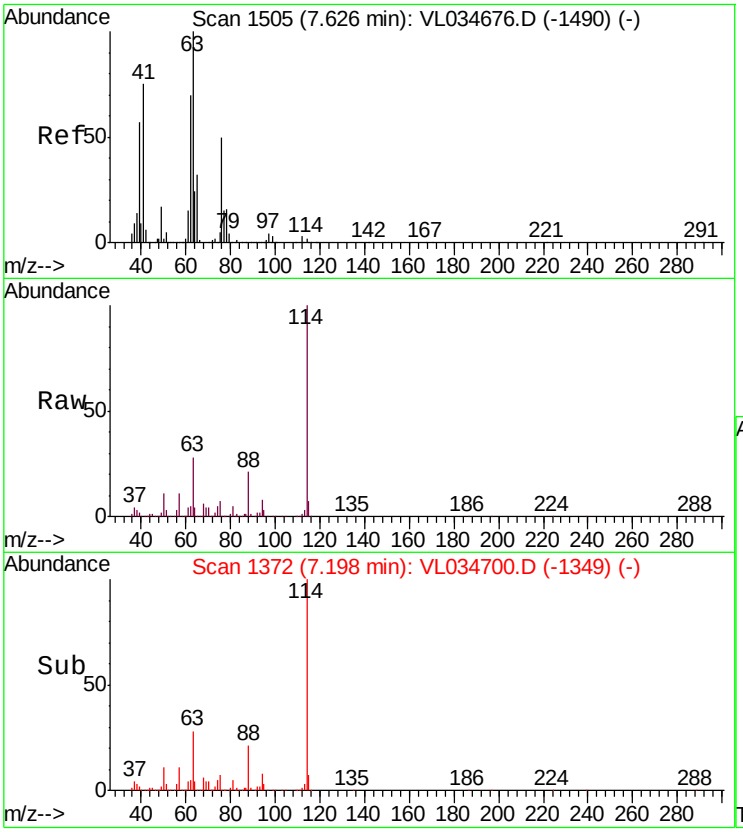


#36
Benzene
Concen: 0.048 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 78 Resp: 9116

Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.5	29.3
50	18.3	14.6	21.8



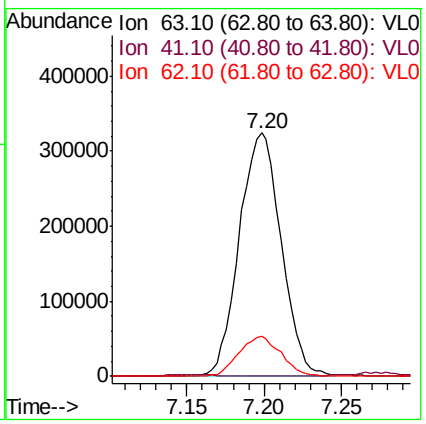


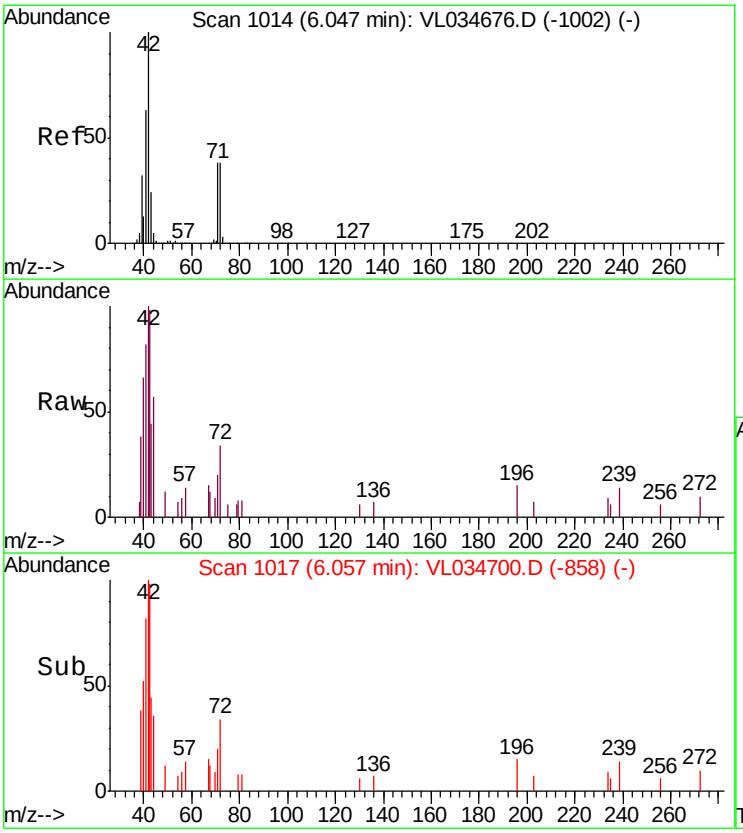
#39
1,2-Dichloropropane
Concen: 8.062 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.43 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Tgt Ion: 63 Resp: 611572

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.2	90.4#
62	16.2	56.3	84.5#

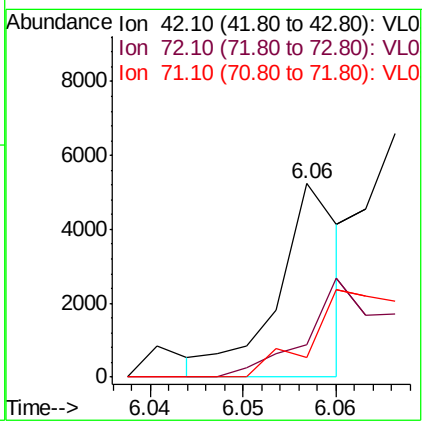


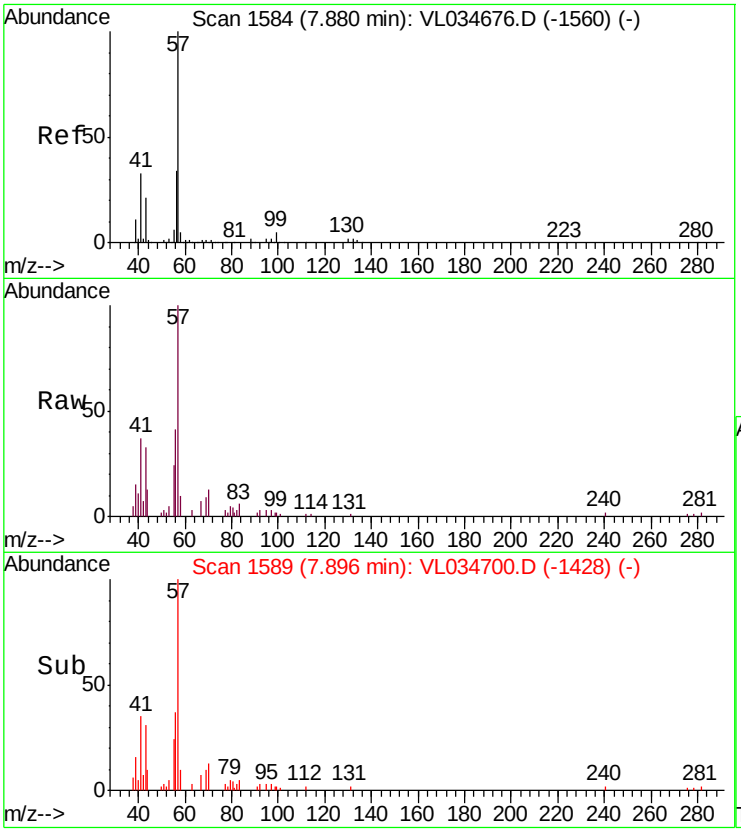


#41
Tetrahydrofuran
Concen: 0.033 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 42 Resp: 2445

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.7	47.5#
71	0.0	30.7	46.1#



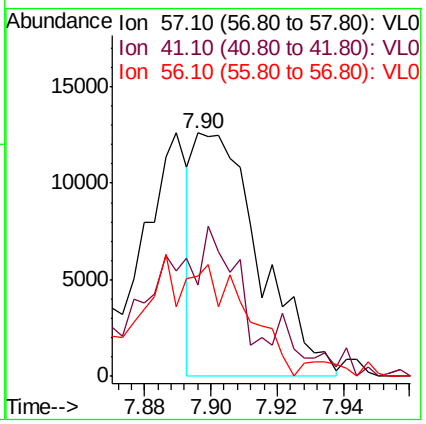


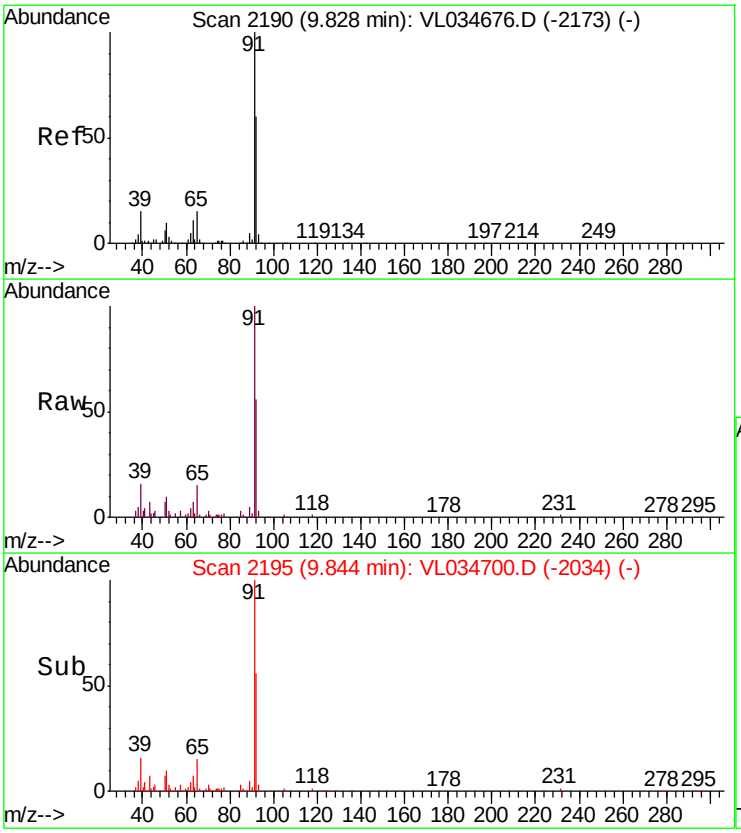
#44
2,2,4-Trimethylpentane
Concen: 0.052 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Tgt Ion: 57 Resp: 17259

Ion	Ratio	Lower	Upper
57	100		
41	94.7	26.0	39.0#
56	0.0	25.6	38.4#

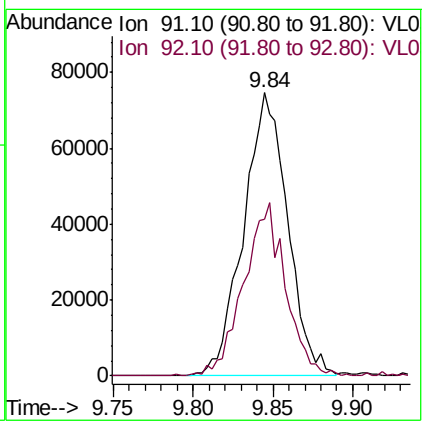


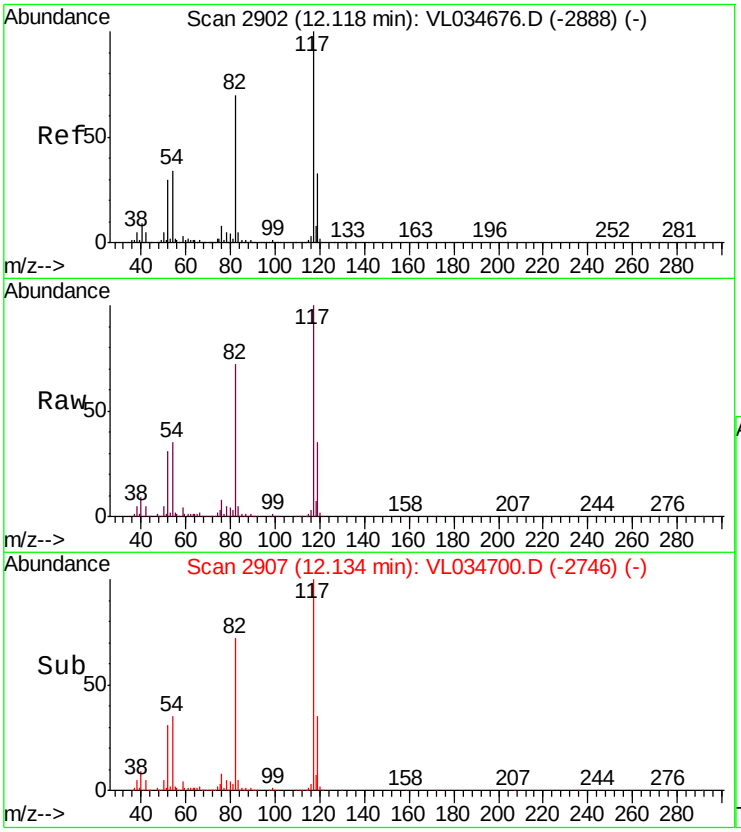


#53
Toluene
Concen: 0.696 ppbv
RT: 9.84 min Scan# 2195
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 91 Resp: 141236

Ion	Ratio	Lower	Upper
91	100		
92	58.2	48.5	72.7



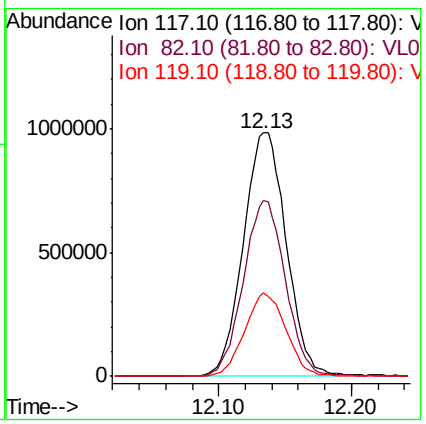


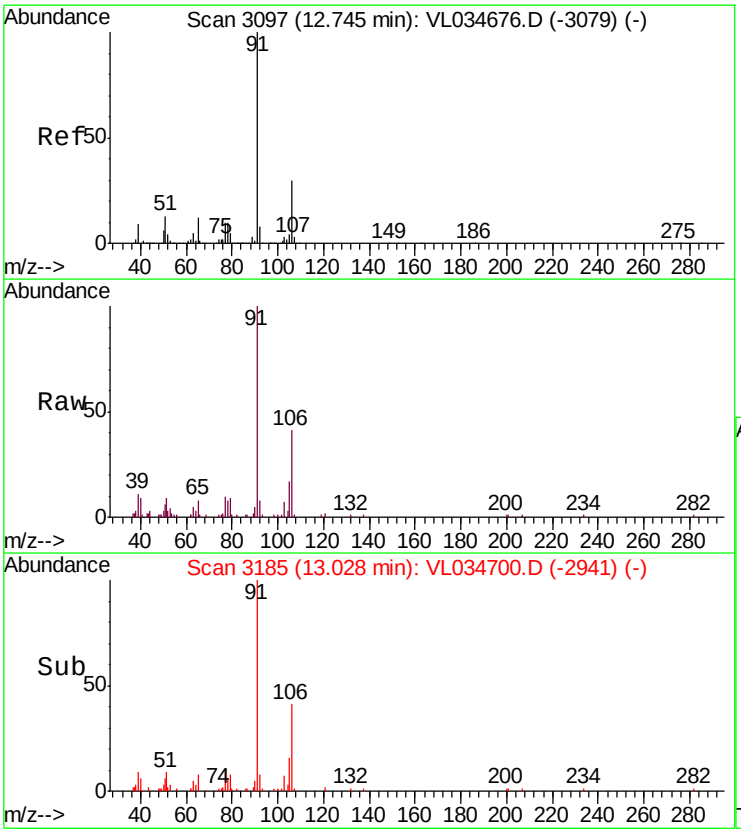
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Tgt Ion:117 Resp: 2210805

Ion	Ratio	Lower	Upper
117	100		
82	70.8	54.1	81.1
119	33.1	27.6	41.4

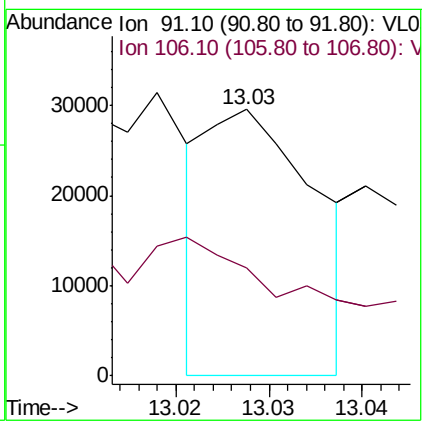


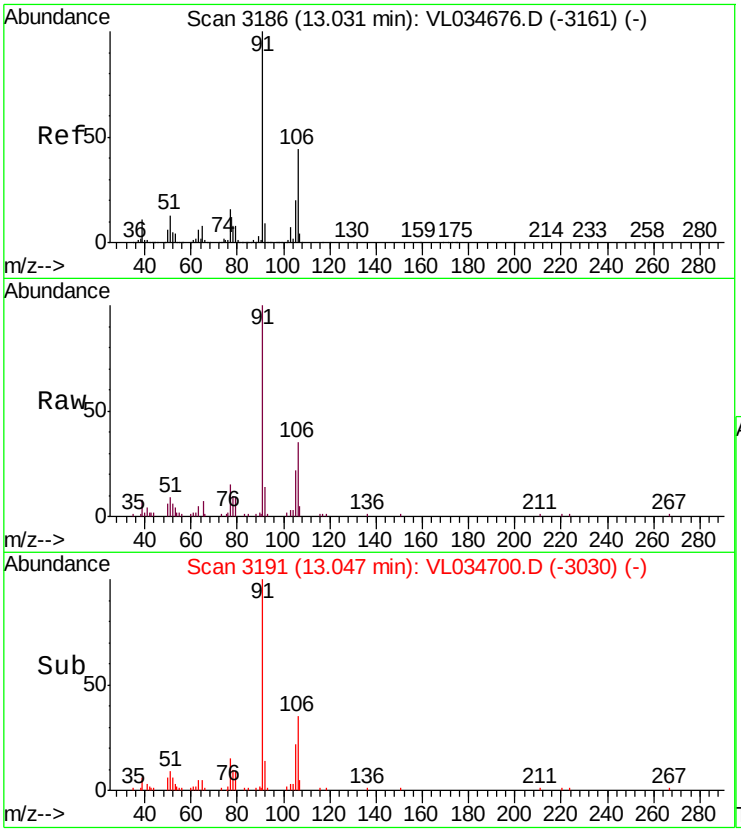


#58
Ethyl Benzene
Concen: 0.089 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. 0.28 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 91 Resp: 23821

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.0	36.0



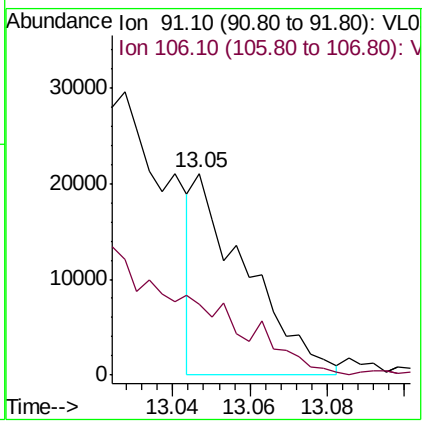


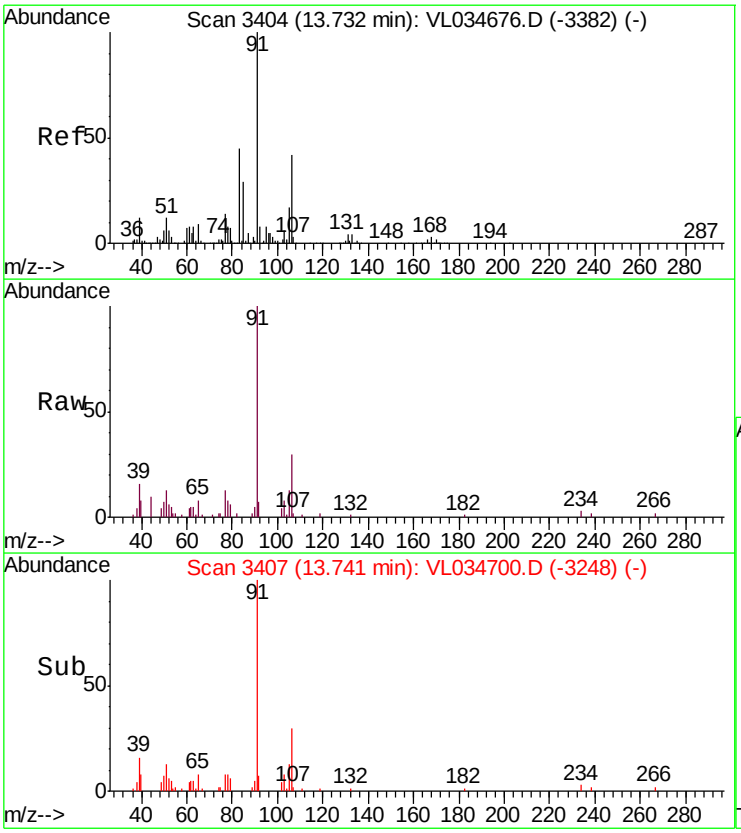
#59
m/p-Xylene
Concen: 0.085 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument : MSVOA_L
ClientSampleId : EP-103DL

Tgt Ion: 91 Resp: 19881

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#

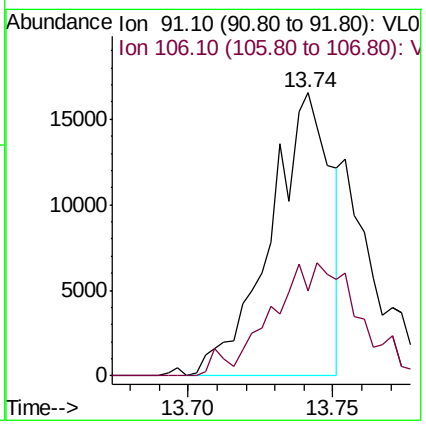


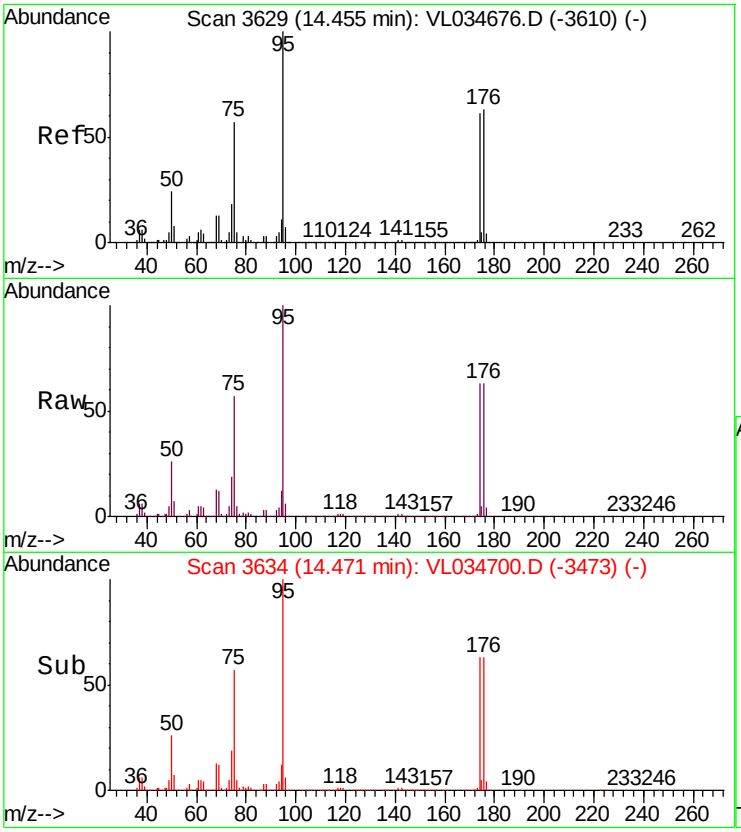


#60
o-Xylene
Concen: 0.104 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. 0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion: 91 Resp: 24053

Ion	Ratio	Lower	Upper
91	100		
106	60.2	21.9	65.5



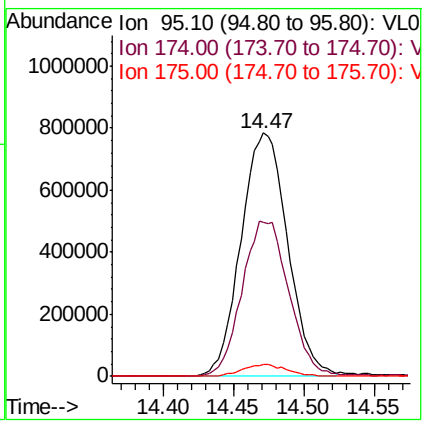


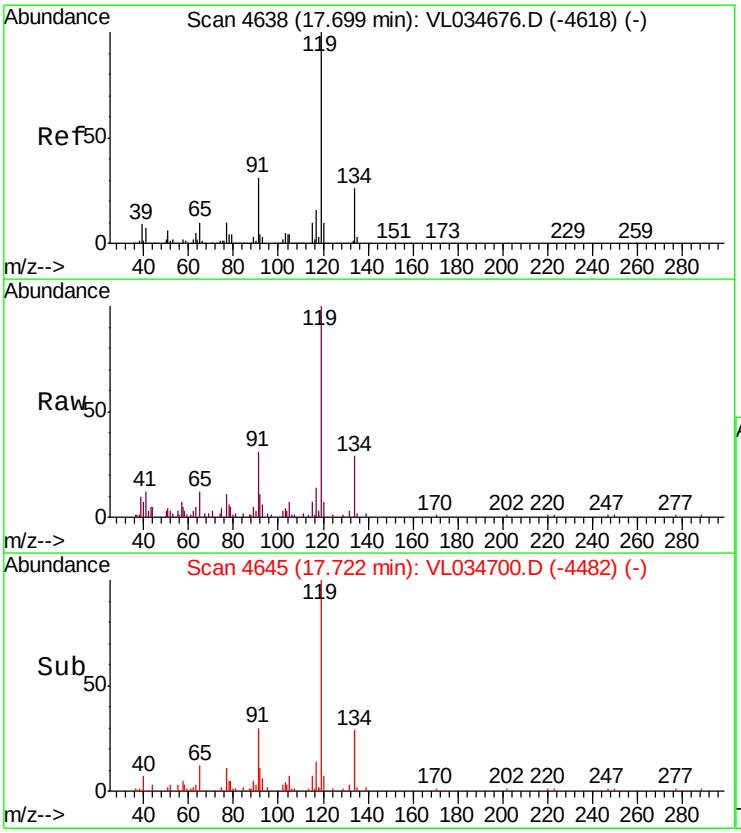
#68
1-Bromo-4-Fluorobenzene
Concen: 9.994 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument :
MSVOA_L
ClientSampleId :
EP-103DL

Tgt Ion: 95 Resp: 1811698

Ion	Ratio	Lower	Upper
95	100		
174	64.7	50.7	76.1
175	4.8	3.9	5.9

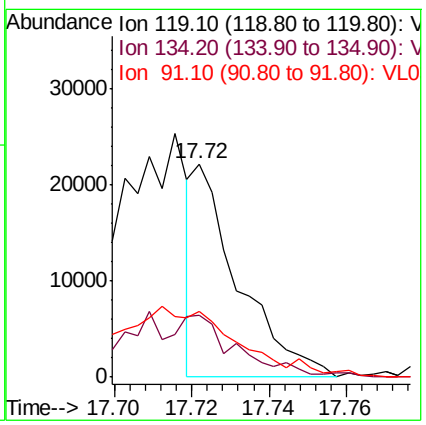


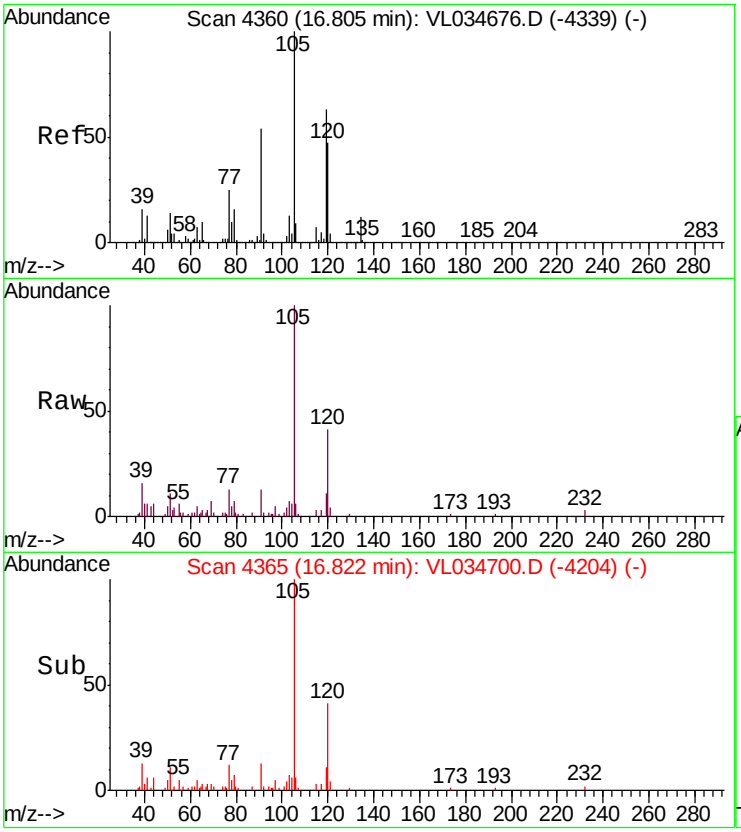


#69
p-Isopropyltoluene
Concen: 0.051 ppbv
RT: 17.72 min Scan# 4645
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion:119 Resp: 17681

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.6	31.0#
91	0.0	25.3	37.9#





#74
1,2,4-Trimethylbenzene
Concen: 0.062 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument :
MSVOA_L
ClientSampleId :
EP-103DL

Tgt Ion:105 Resp: 17008

Ion	Ratio	Lower	Upper
105	100		
120	12.5	37.9	56.9#
91	9.8	43.9	65.9#
77	1.5	20.3	30.5#