Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021820\

Quantitation Report (Not Reviewed)

Data File : VL034640.D
Acq On : 19 Feb 2020 1:37
Operator : SY/AP
Sample : L1554-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-1DL

Quant Time: Feb 19 06:07:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1067915	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2314914	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2422782	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	2028501	9.91	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	11510	0.049	ppbv		93
3) Chlorodifluoromethane	2.95	51	6322	0.049	ppbv		92
9) Propene	2.98	41	3121	0.062	ppbv		84
13) Ethanol	3.56	45	1008	0.075	ppbv	#	38
15) Acetone	3.84	43	84277	0.537	ppbv		92
17) tert-Butyl alcohol	4.29	59	24123	0.209	ppbv	#	61
20) Methylene Chloride	4.32	84	22310	0.373	ppbv		84
23) Vinyl Acetate	5.16	43	9691	0.054	ppbv	#	47
27) Carbon Disulfide	4.53	76	41671	0.290	ppbv	#	70
34) 2-Butanone	5.24	43	266999	1.588	ppbv		99
39) 1,2-Dichloropropane	7.18	63	638963	7.487	ppbv	#	19
53) Toluene	9.83	91	104071	0.460	ppbv		97
58) Ethyl Benzene	12.75	91	44485	0.137	ppbv		94
59) m/p-Xylene	13.00	91	122563	0.428	ppbv	#	37
60) o-Xylene	13.72	91	40370	0.140	ppbv	#	29
61) Styrene	13.56	104	1804593	9.403	ppbv		98
62) Isopropylbenzene	14.70	105	3006587	8.061	ppbv		99

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

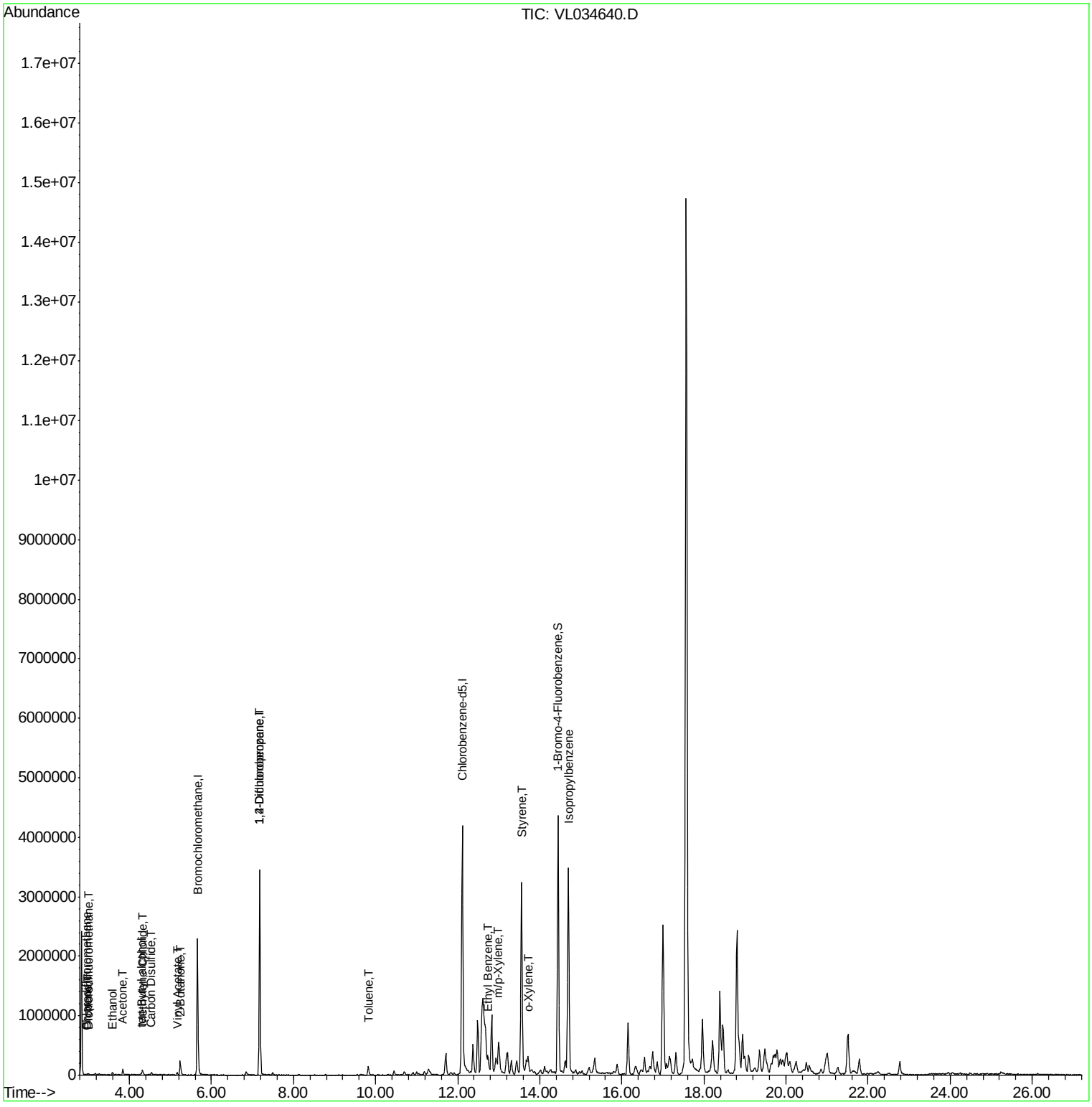
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021820\

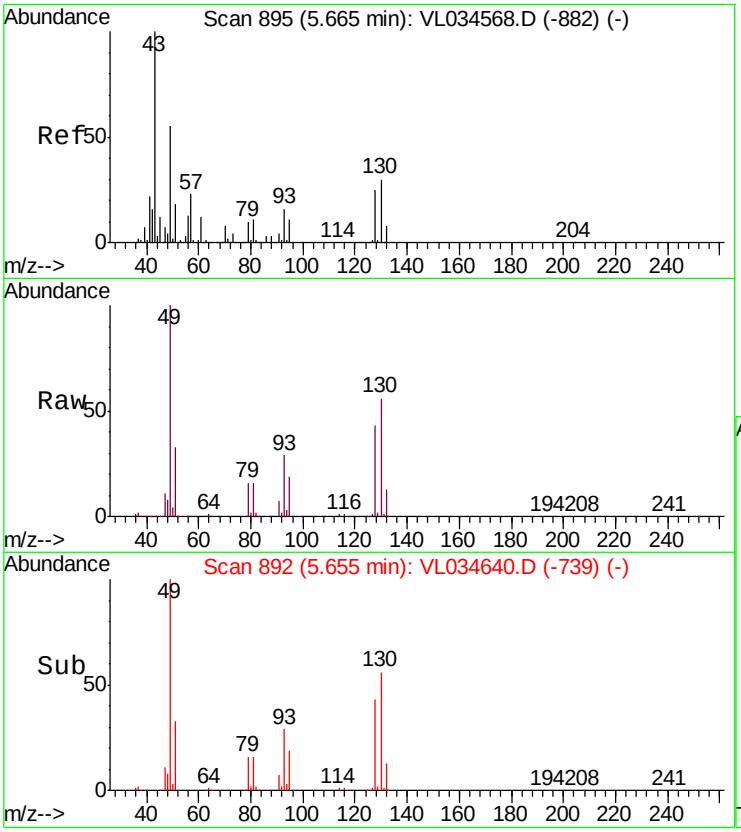
Quantitation Report (Not Reviewed)

Data File : VL034640.D
Acq On : 19 Feb 2020 1:37
Operator : SY/AP
Sample : L1554-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-1DL

Quant Time: Feb 19 06:07:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration



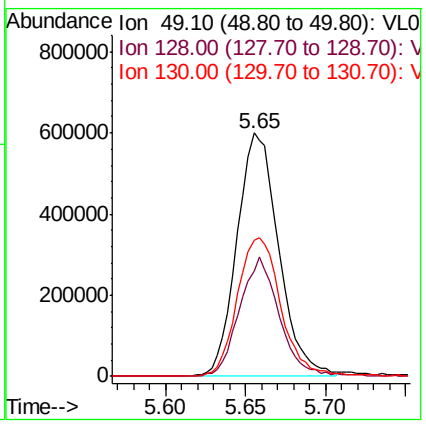


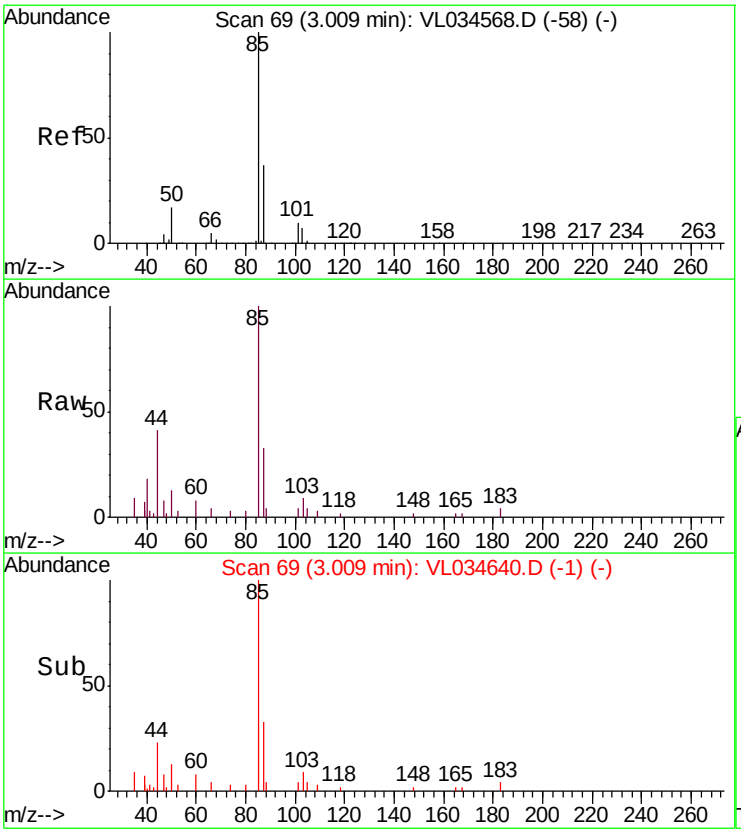
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Tgt Ion: 49 Resp: 1067915

Ion	Ratio	Lower	Upper
49	100		
128	47.1	22.7	68.1
130	60.0	28.6	85.8

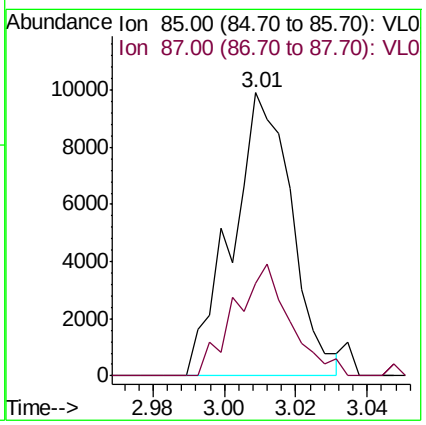


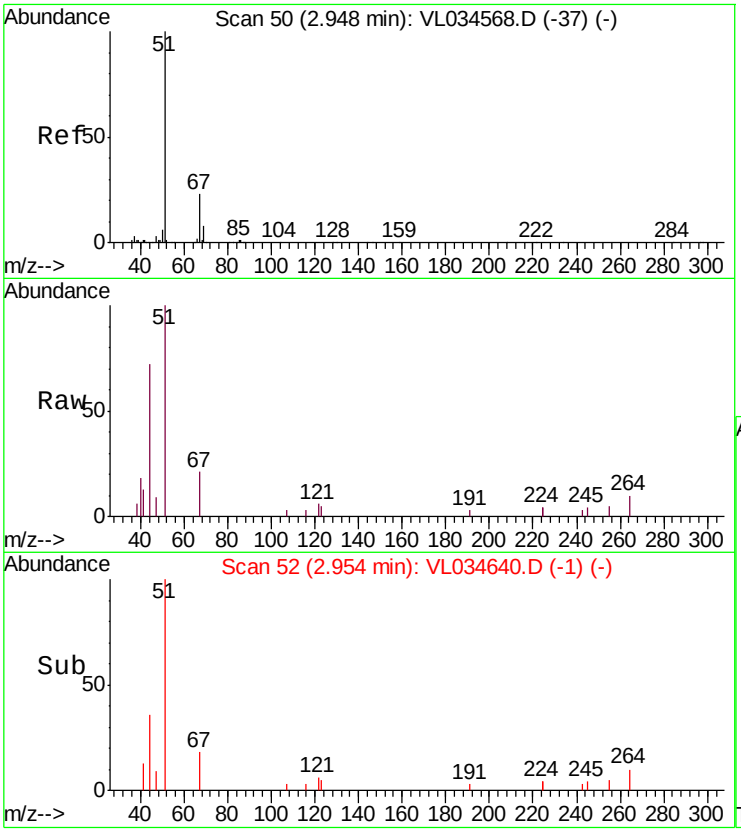


#2
Dichlorodifluoromethane
Concen: 0.049 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion: 85 Resp: 11510

Ion	Ratio	Lower	Upper
85	100		
87	33.0	29.5	44.3



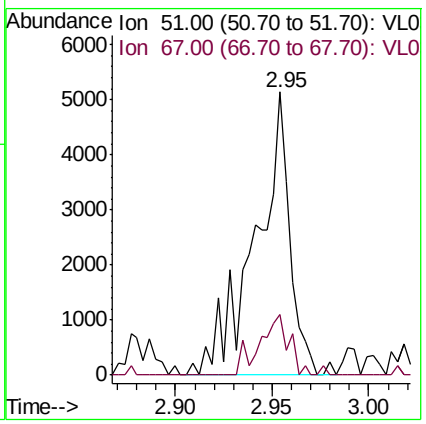


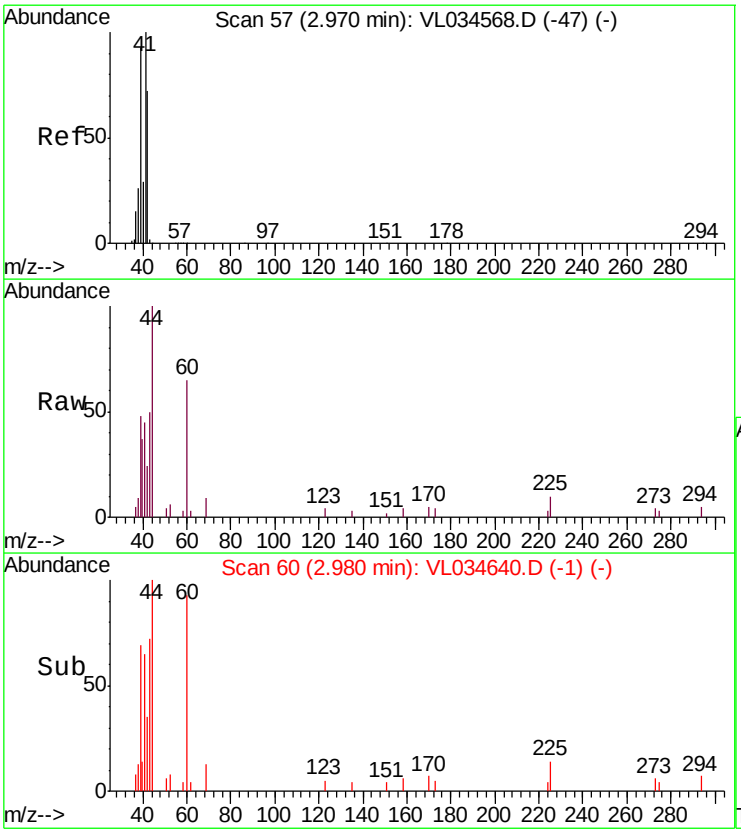
#3
Chlorodifluoromethane
Concen: 0.049 ppbv
RT: 2.95 min Scan# 52
Delta R.T. 0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Tgt Ion: 51 Resp: 6322

Ion	Ratio	Lower	Upper
51	100		
67	18.4	17.8	26.8

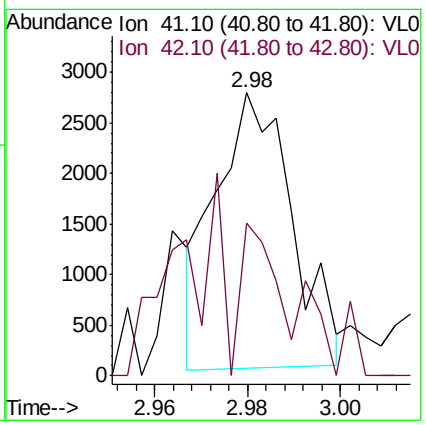


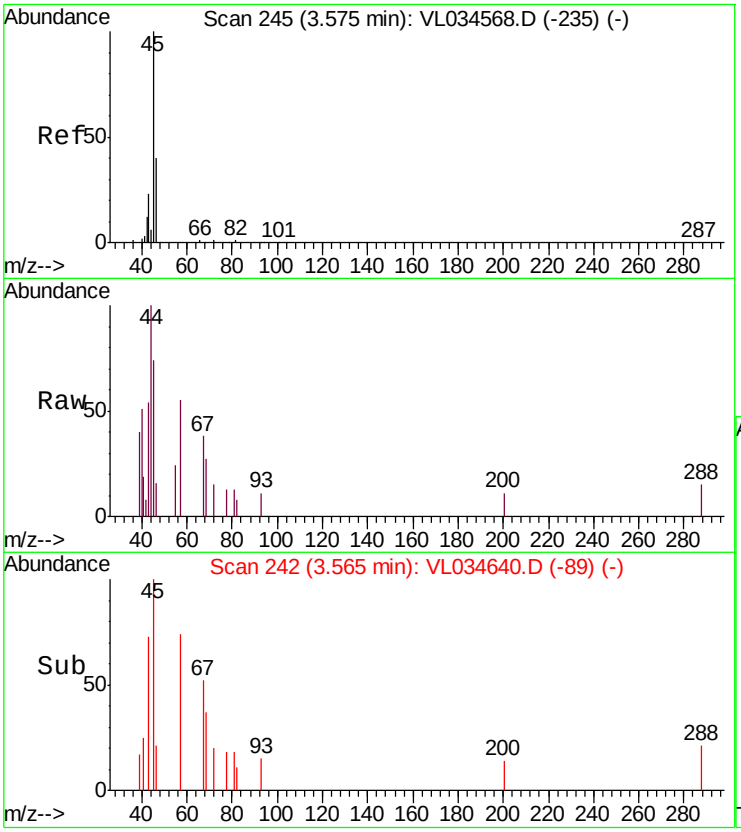


#9
Propene
Concen: 0.062 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion: 41 Resp: 3121

Ion	Ratio	Lower	Upper
41	100		
42	84.4	57.0	85.4



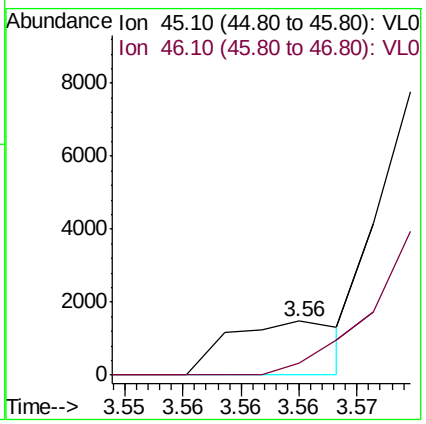


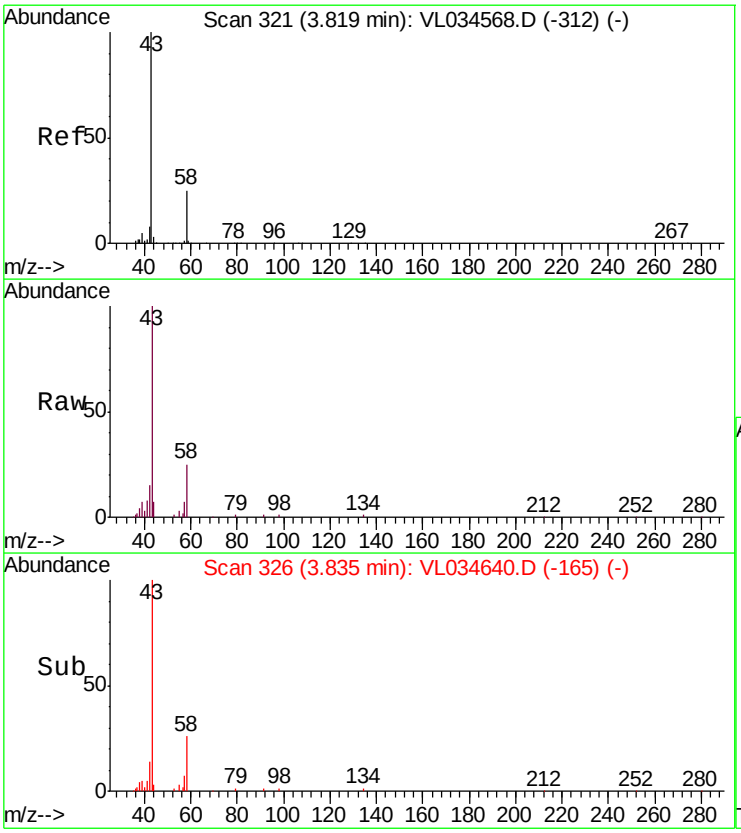
#13
Ethanol
Concen: 0.075 ppbv
RT: 3.56 min Scan# 242
Delta R.T. -0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Tgt Ion: 45 Resp: 1008

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.8	59.2#

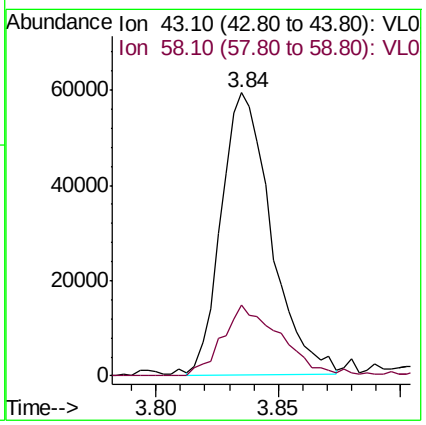


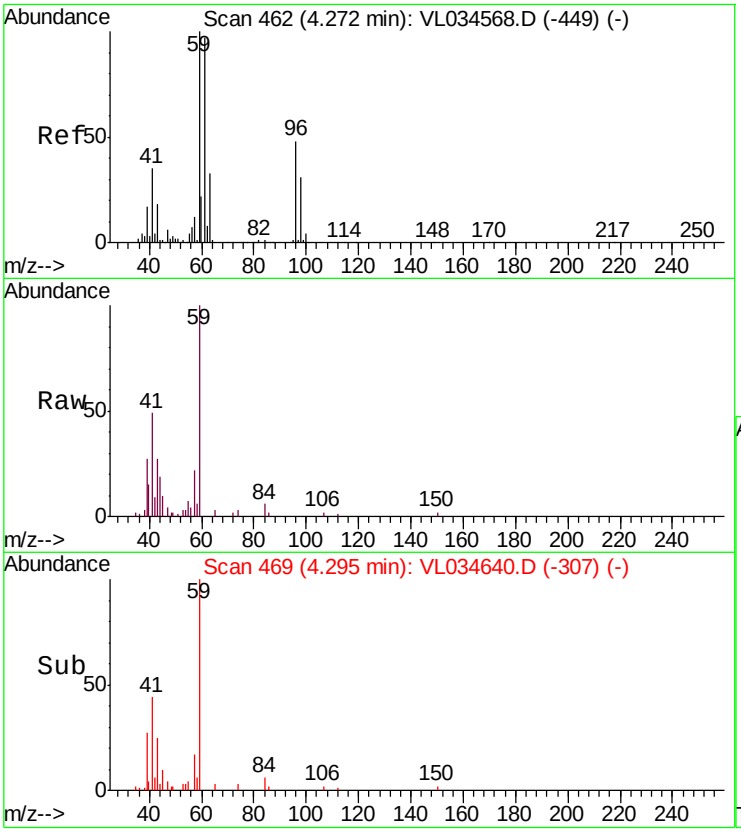


#15
Acetone
Concen: 0.537 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.02 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion: 43 Resp: 84277

Ion	Ratio	Lower	Upper
43	100		
58	29.5	20.3	30.5



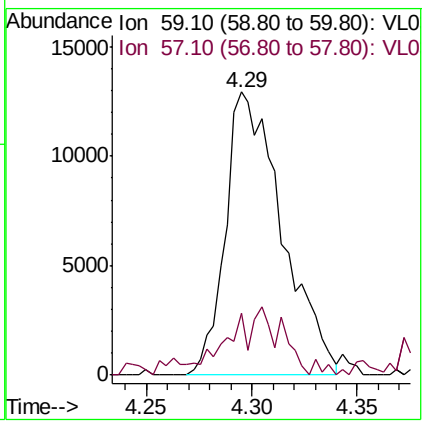


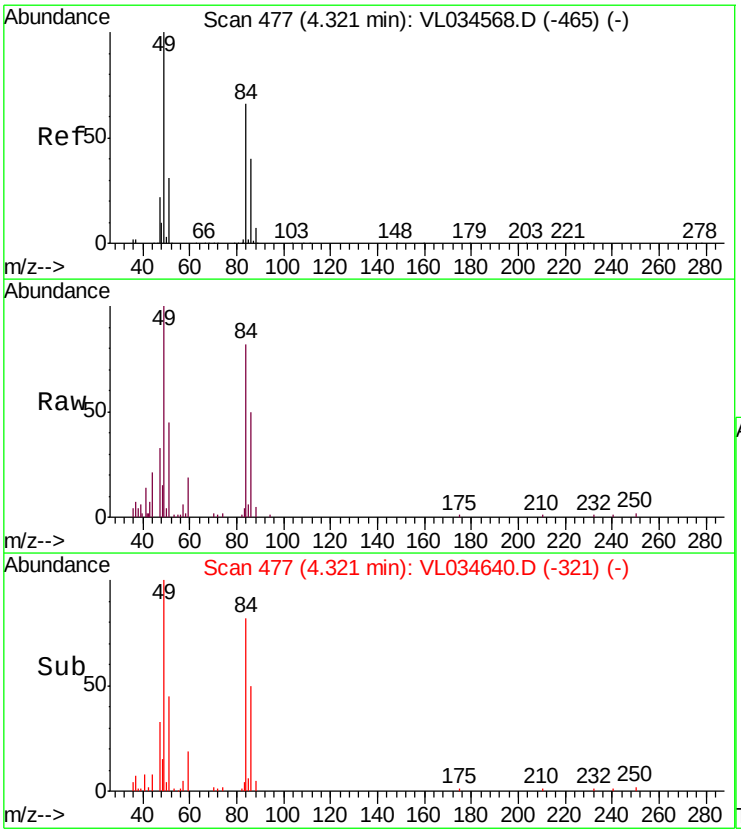
#17
tert-Butyl alcohol
Concen: 0.209 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument : MSVOA_L
ClientSampleId : SS-1DL

Tgt Ion: 59 Resp: 24123

Ion	Ratio	Lower	Upper
59	100		
57	25.6	8.7	13.1#

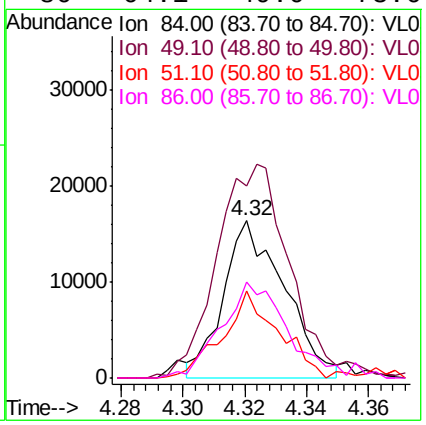


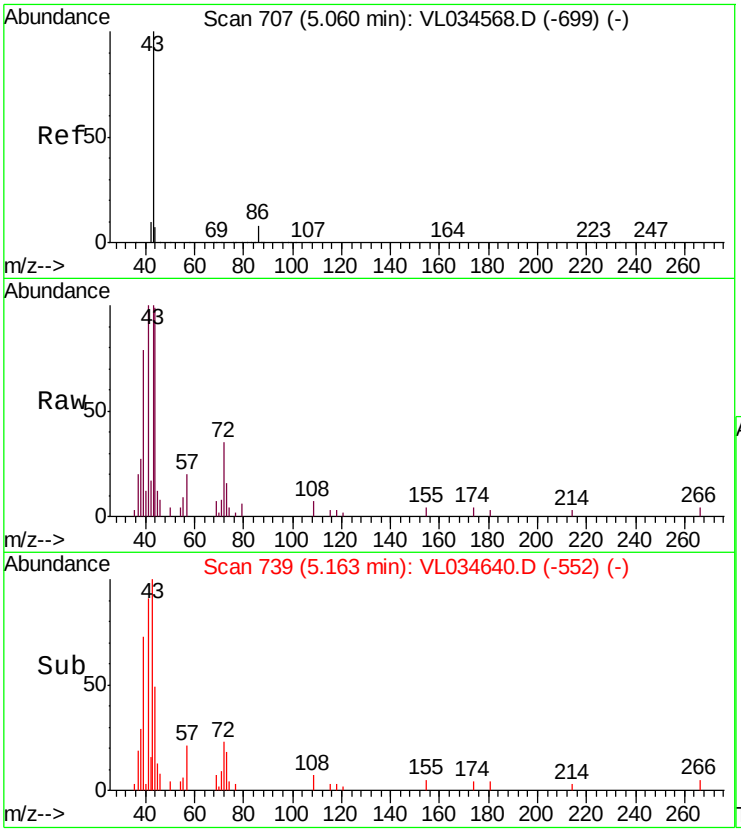


#20
Methylene Chloride
Concen: 0.373 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.00 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion: 84 Resp: 22310

Ion	Ratio	Lower	Upper
84	100		
49	124.4	122.4	183.6
51	55.9	38.6	57.8
86	64.1	49.0	73.6



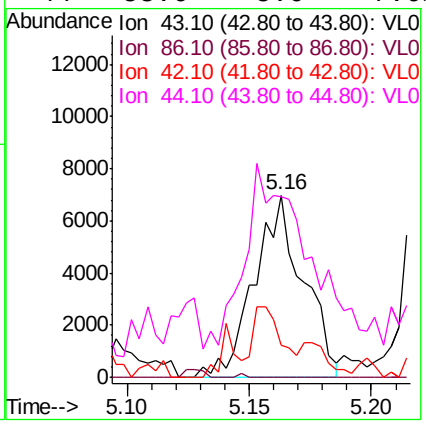


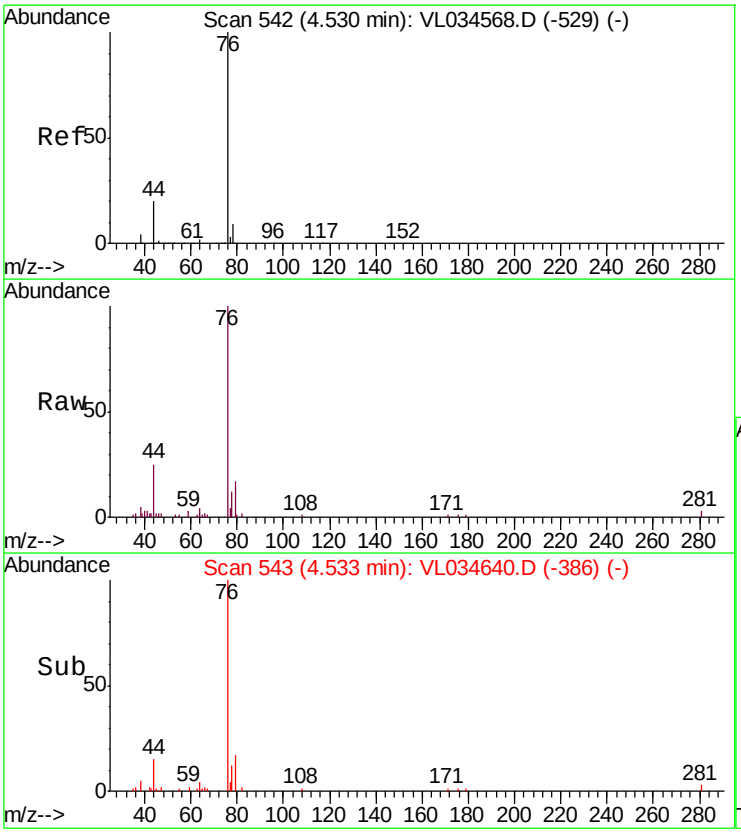
#23
Vinyl Acetate
Concen: 0.054 ppbv
RT: 5.16 min Scan# 739
Delta R.T. 0.10 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument : MSVOA_L
ClientSampleId : SS-1DL

Tgt Ion: 43 Resp: 9691

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	17.4	8.8	13.2#
44	58.6	5.0	7.6#

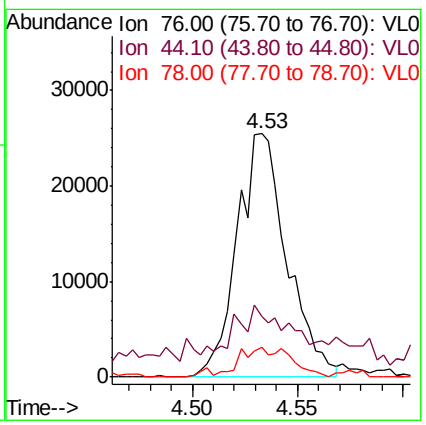


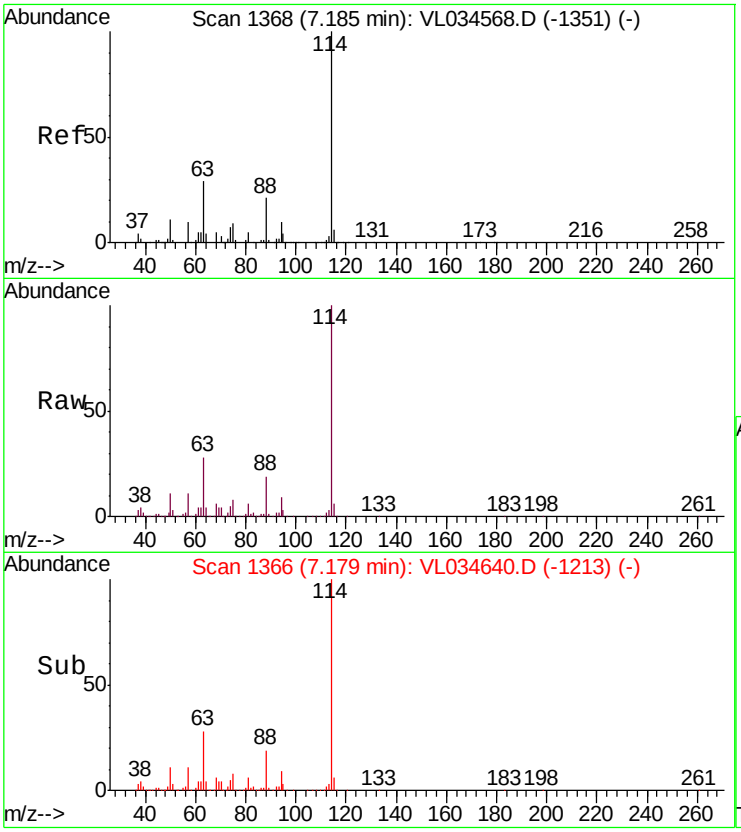


#27
Carbon Disulfide
Concen: 0.290 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion: 76 Resp: 41671

Ion	Ratio	Lower	Upper
76	100		
44	37.4	16.3	24.5#
78	14.5	7.4	11.2#



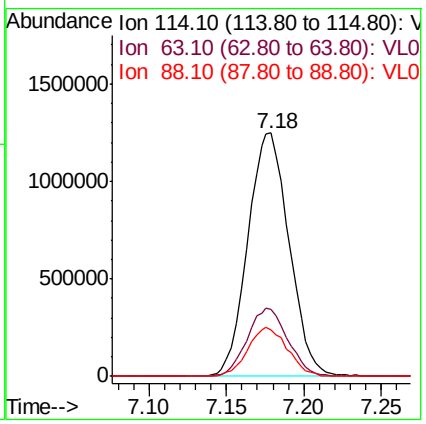


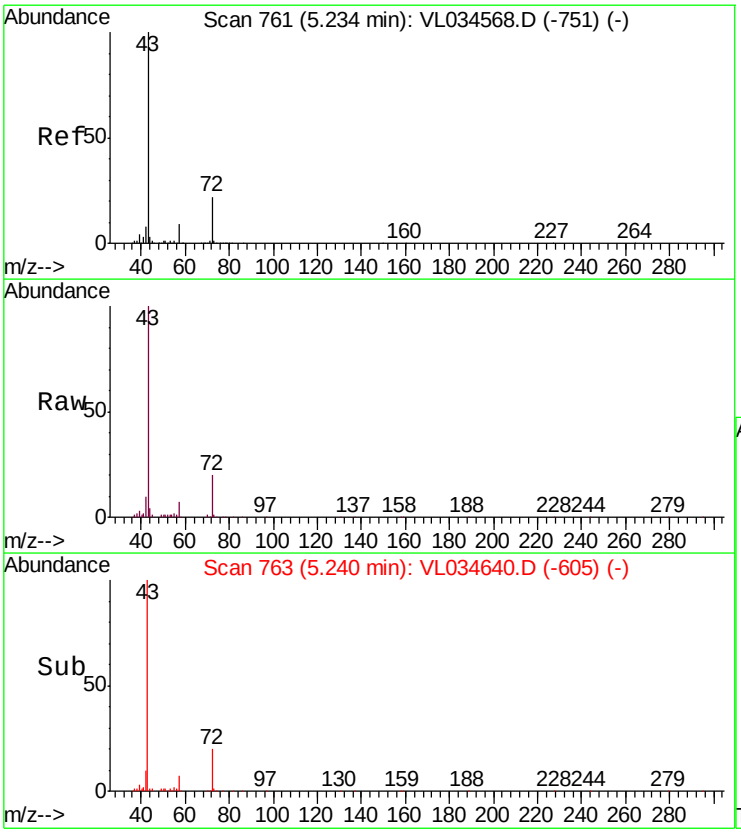
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Tgt Ion:114 Resp: 2314914

Ion	Ratio	Lower	Upper
114	100		
63	27.8	24.1	36.1
88	19.4	15.9	23.9

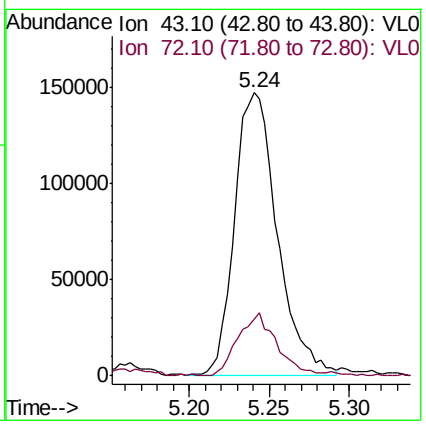


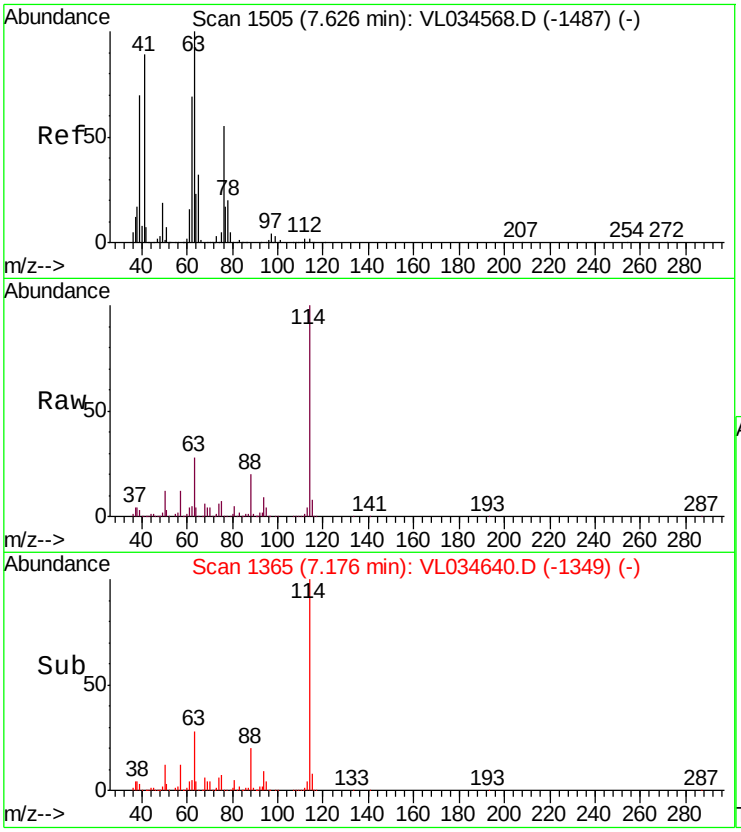


#34
2-Butanone
Concen: 1.588 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion: 43 Resp: 266999

Ion	Ratio	Lower	Upper
43	100		
72	21.0	17.2	25.8



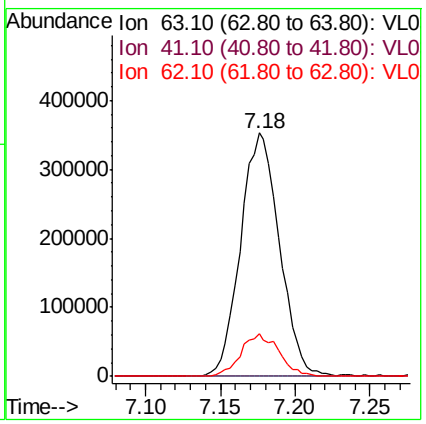


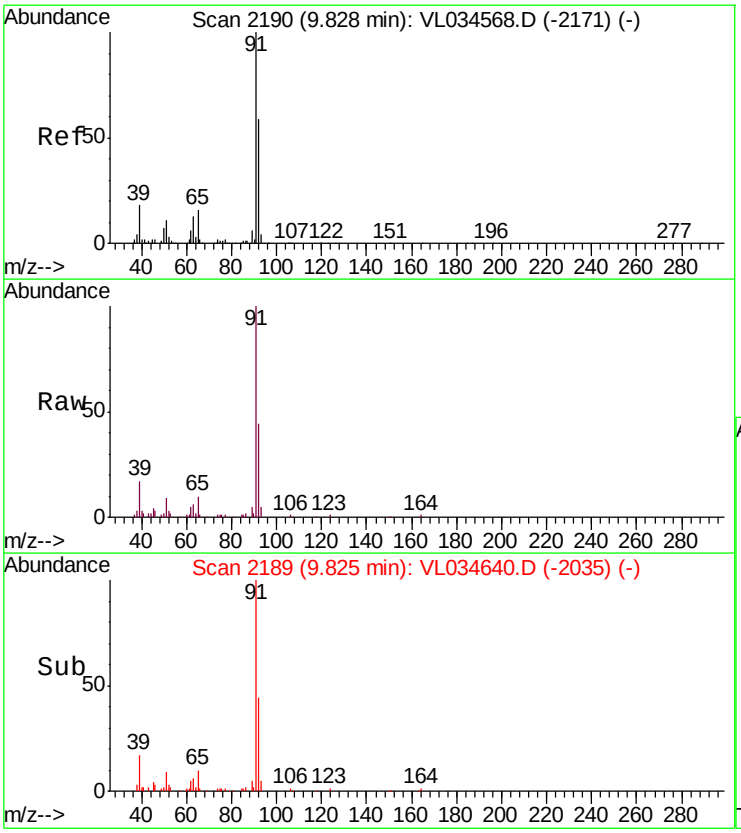
#39
1,2-Dichloropropane
Concen: 7.487 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.45 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument : MSVOA_L
ClientSampleId : SS-1DL

Tgt Ion: 63 Resp: 638963

Ion	Ratio	Lower	Upper
63	100		
41	0.2	71.0	106.4#
62	17.4	55.4	83.0#

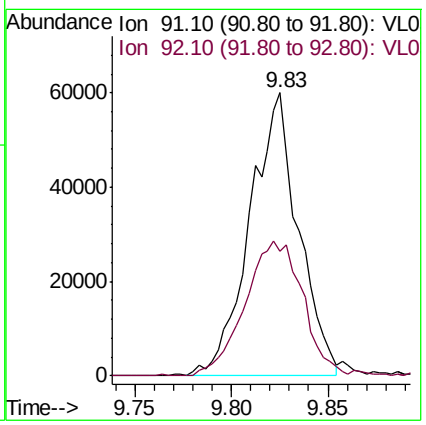


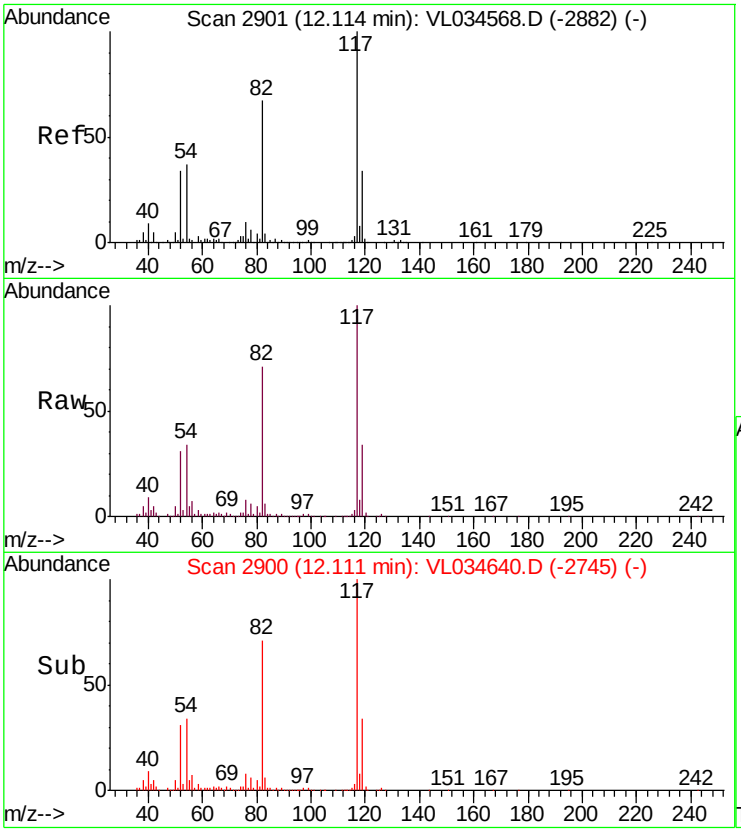


#53
Toluene
Concen: 0.460 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion: 91 Resp: 104071

Ion	Ratio	Lower	Upper
91	100		
92	58.0	48.2	72.2



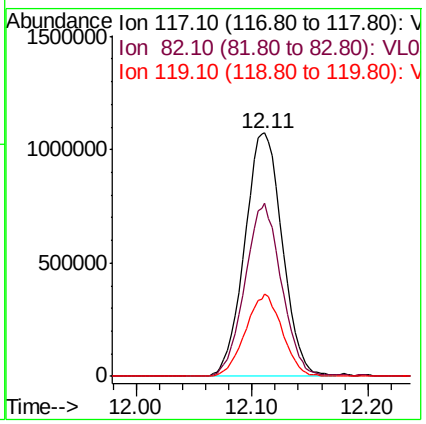


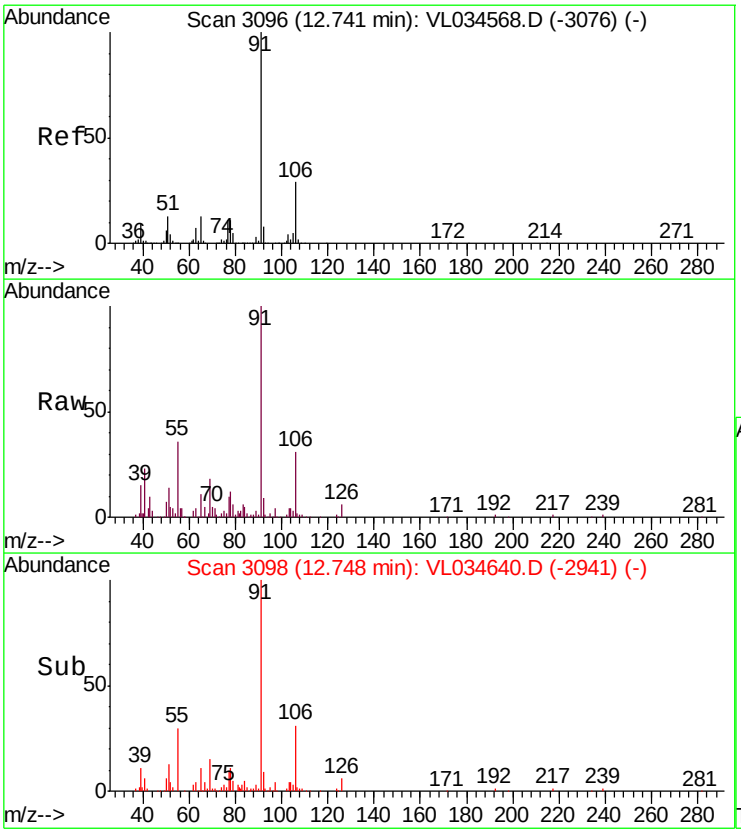
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Tgt Ion:117 Resp: 2422782

Ion	Ratio	Lower	Upper
117	100		
82	69.3	54.2	81.4
119	33.2	26.1	39.1

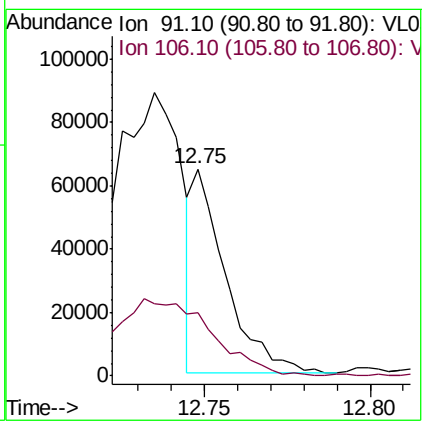


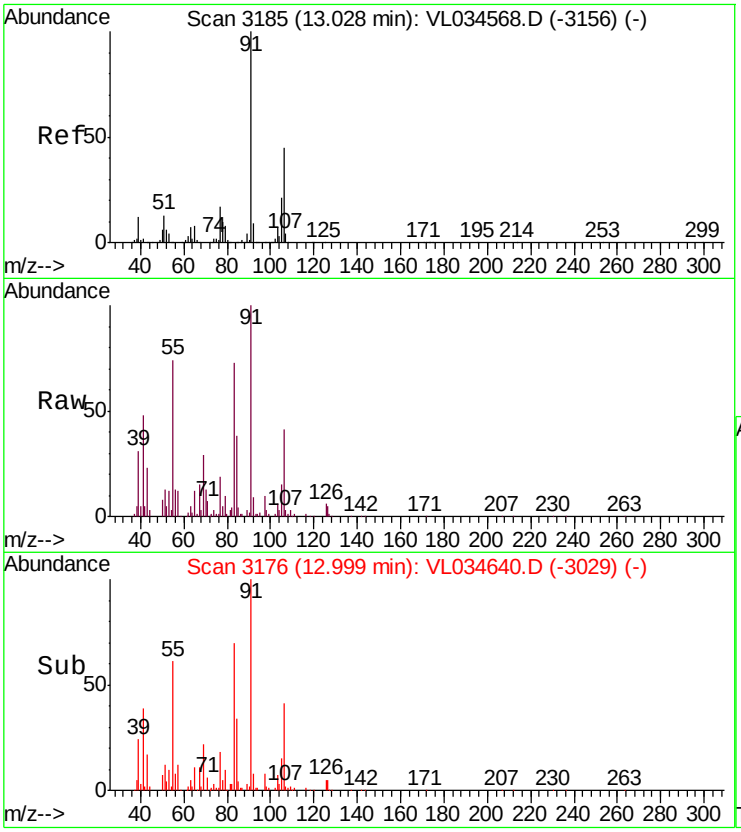


#58
Ethyl Benzene
Concen: 0.137 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion: 91 Resp: 44485

Ion	Ratio	Lower	Upper
91	100		
106	32.5	23.3	34.9



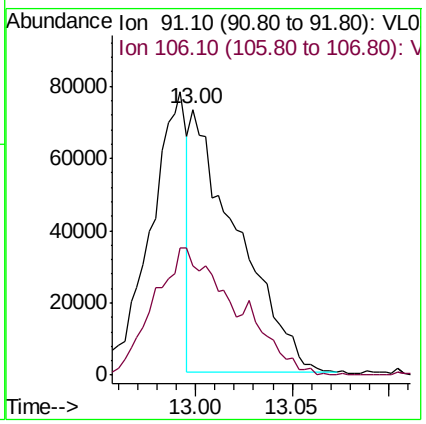


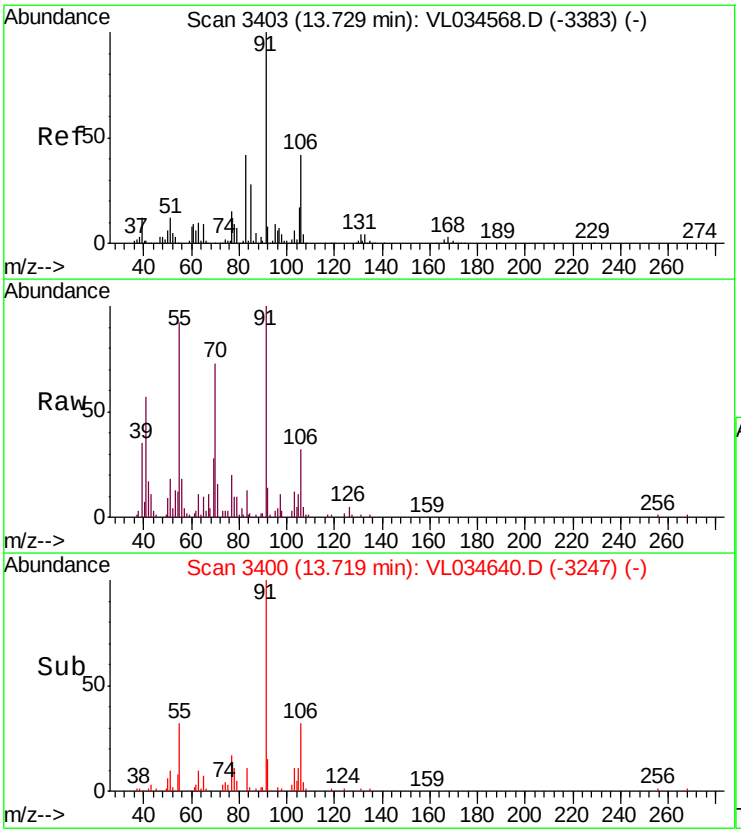
#59
m/p-Xylene
Concen: 0.428 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. -0.03 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument : MSVOA_L
ClientSampleId : SS-1DL

Tgt Ion: 91 Resp: 122563

Ion	Ratio	Lower	Upper
91	100		
106	84.8	35.3	52.9#

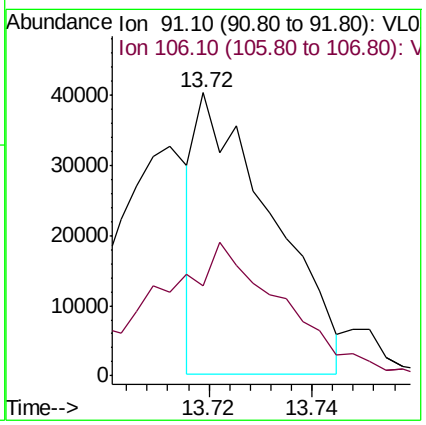


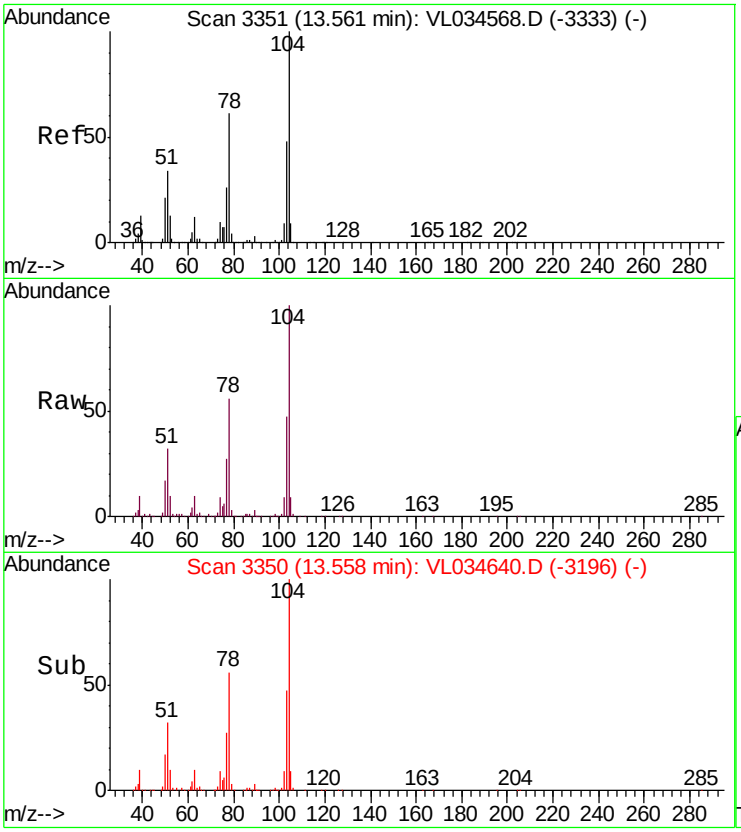


#60
o-Xylene
Concen: 0.140 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion: 91 Resp: 40370

Ion	Ratio	Lower	Upper
91	100		
106	88.8	21.6	65.0#



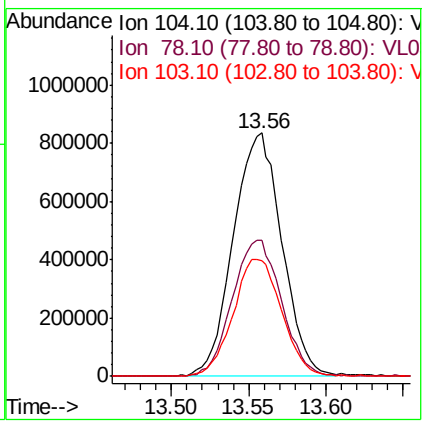


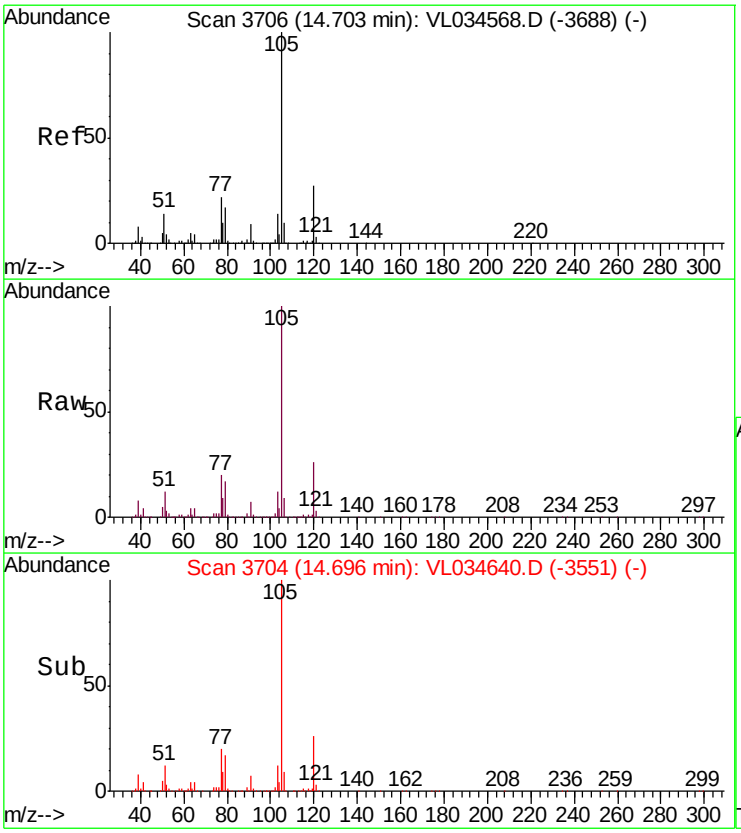
#61
Styrene
Concen: 9.403 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument : MSVOA_L
ClientSampleId : SS-1DL

Tgt Ion:104 Resp: 1804593

Ion	Ratio	Lower	Upper
104	100		
78	57.3	47.0	70.6
103	49.0	38.5	57.7

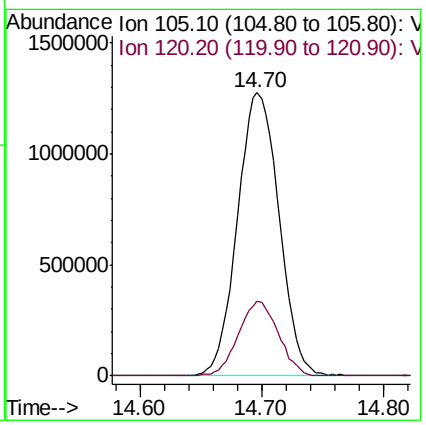


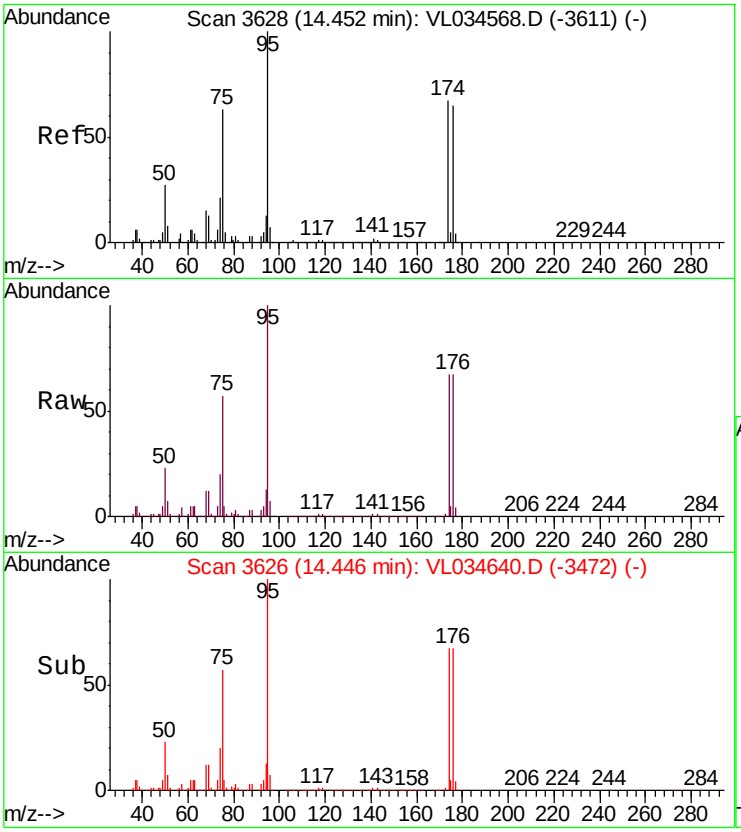


#62
Isopropylbenzene
Concen: 8.061 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion:105 Resp: 3006587

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.7	31.1





#68
1-Bromo-4-Fluorobenzene
Concen: 9.907 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Tgt Ion: 95 Resp: 2028501

Ion	Ratio	Lower	Upper
95	100		
174	68.6	52.3	78.5
175	5.2	3.8	5.6