Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\

Quantitation Report (Not Reviewed)

Data File : VL034349.D
Acq On : 24 Oct 2019 16:53
Operator : SY/AP
Sample : K5477-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV6

Quant Time: Oct 25 01:34:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	925335	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.21	114	2018269	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.15	117	1949507	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.48	95	1584274	9.60	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	8325	0.052	ppbv		100
3) Chlorodifluoromethane	2.93	51	22111	0.204	ppbv	#	61
10) Heptane	8.15	43	5230	0.042	ppbv	#	1
15) Acetone	3.85	43	77499	0.586	ppbv	#	85
20) Methylene Chloride	4.34	84	18139	0.379	ppbv	#	77
22) trans-1,2-Dichloroethene	4.89	96	11007	0.254	ppbv	#	74
25) Ethyl Acetate	5.70	43	24134	0.108	ppbv	#	79
26) Hexane	5.70	57	32723	0.344	ppbv	#	39
29) Chloroform	5.77	83	92315	0.613	ppbv		85
31) cis-1,2-Dichloroethene	5.56	61	2118278	21.915	ppbv	#	87
34) 2-Butanone	5.28	43	67207	0.407	ppbv		92
36) Benzene	6.92	78	6801	0.035	ppbv	#	89
38) Trichloroethene	7.87	130	2709817	34.872	ppbv		97
39) 1,2-Dichloropropane	7.21	63	542036	6.501	ppbv	#	22
52) Tetrachloroethene	11.33	164	14840781	195.518	ppbv		92
53) Toluene	9.86	91	76038	0.356	ppbv		98
58) Ethyl Benzene	12.77	91	17440	0.064	ppbv		97
59) m/p-Xylene	13.06	91	32908	0.139	ppbv	#	32
60) o-Xylene	13.76	91	24705	0.105	ppbv	#	21
72) 4-Ethyltoluene	15.91	105	9250	0.035	ppbv	#	54
74) 1,2,4-Trimethylbenzene	16.83	105	36461	0.134	ppbv	#	65

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

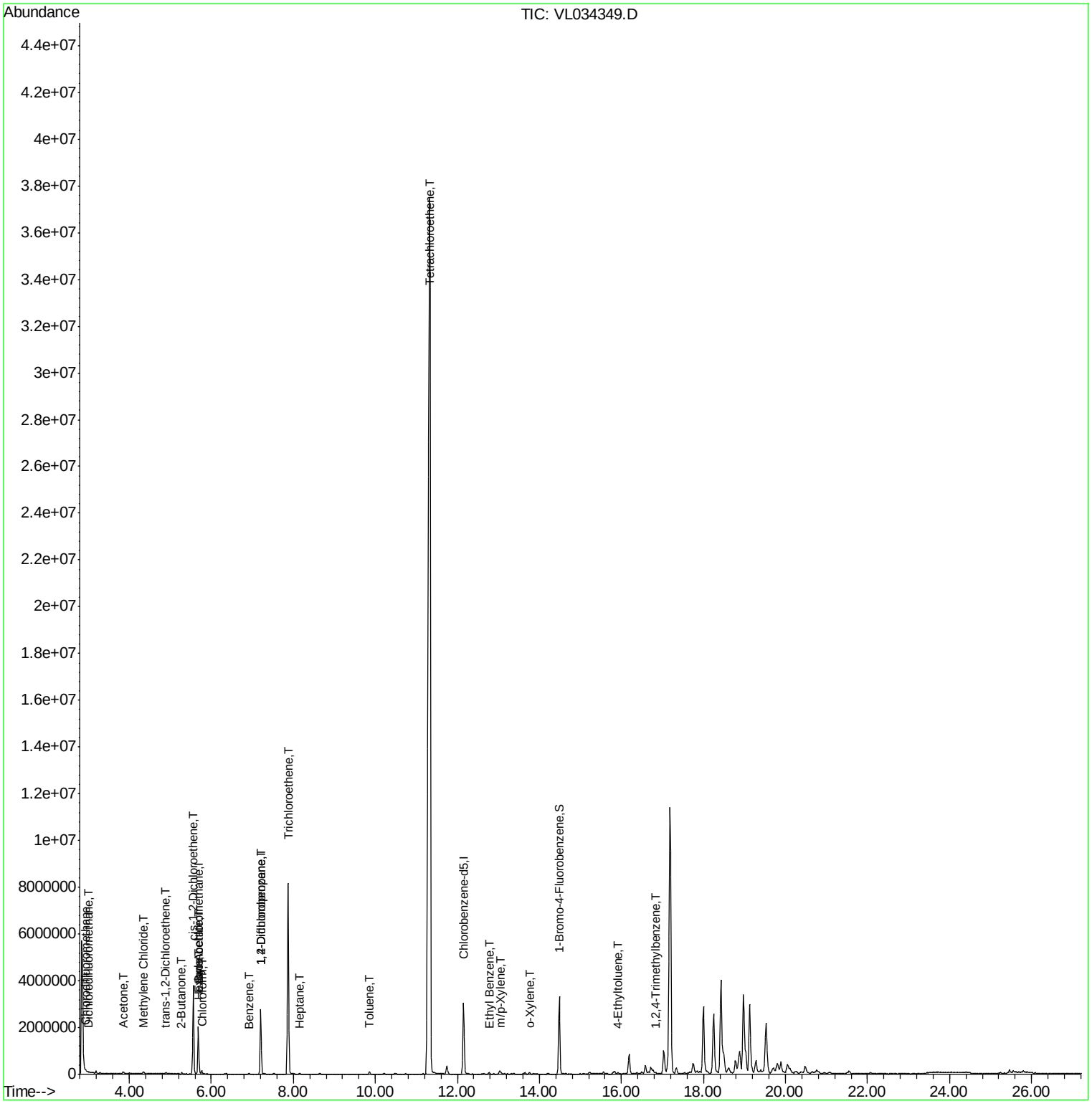
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\

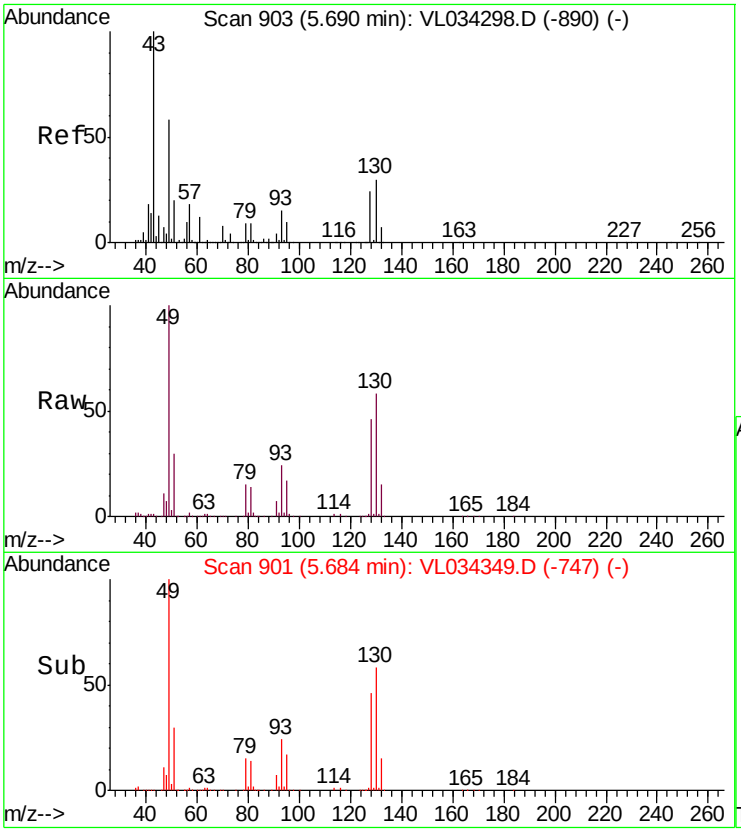
Quantitation Report (Not Reviewed)

Data File : VL034349.D
Acq On : 24 Oct 2019 16:53
Operator : SY/AP
Sample : K5477-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV6

Quant Time: Oct 25 01:34:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration



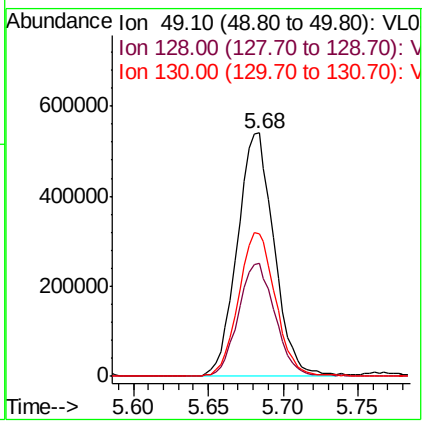


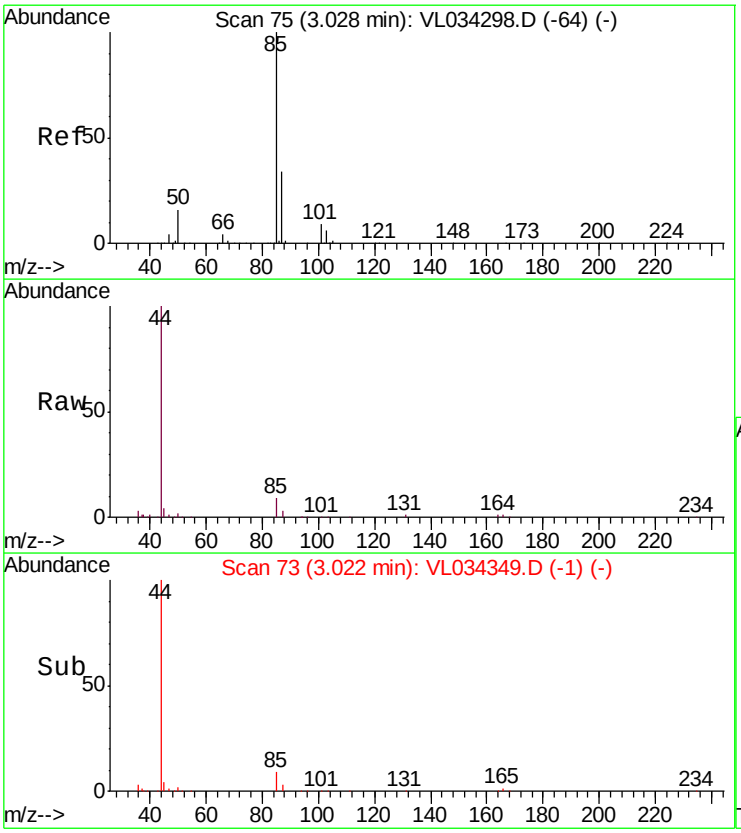
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampleId :
SV6

Tgt Ion: 49 Resp: 925335

Ion	Ratio	Lower	Upper
49	100		
128	46.7	20.6	61.8
130	59.5	26.2	78.5

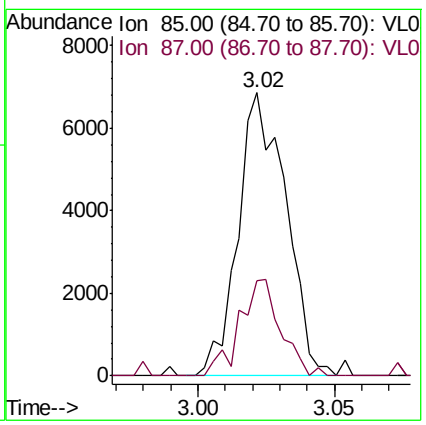


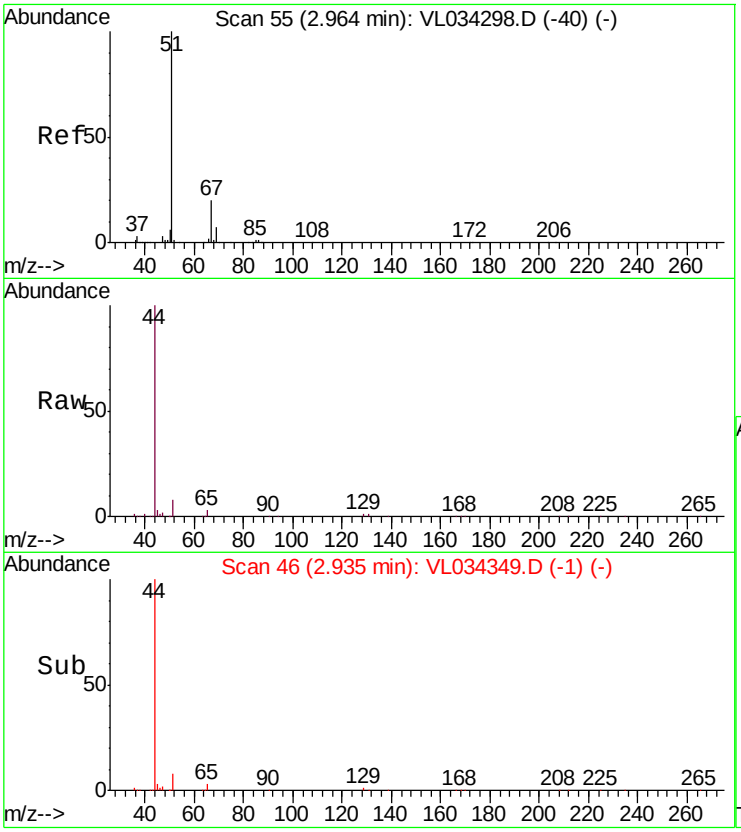


#2
Dichlorodifluoromethane
Concen: 0.052 ppbv
RT: 3.02 min Scan# 73
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 85 Resp: 8325

Ion	Ratio	Lower	Upper
85	100		
87	33.6	27.0	40.6



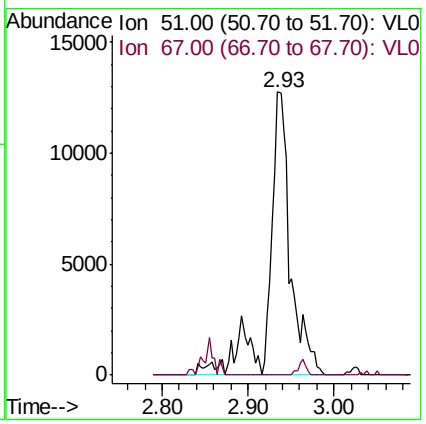


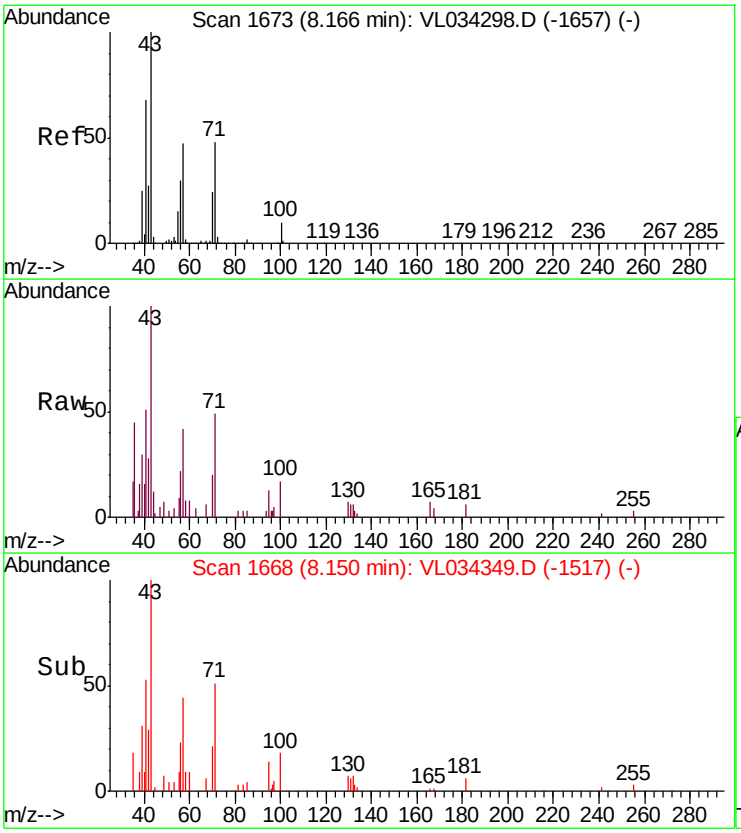
#3
Chlorodifluoromethane
Concen: 0.204 ppbv
RT: 2.93 min Scan# 46
Delta R.T. -0.03 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument : MSVOA_L
ClientSampleId : SV6

Tgt Ion: 51 Resp: 22111

Ion	Ratio	Lower	Upper
51	100		
67	2.0	15.8	23.8#

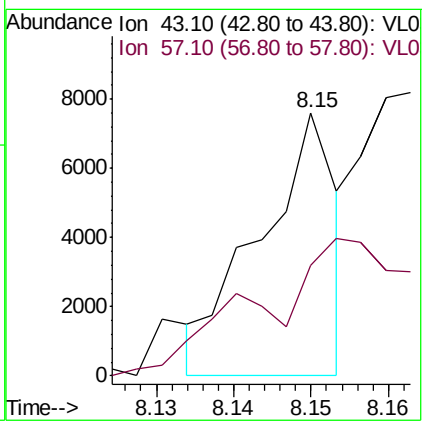


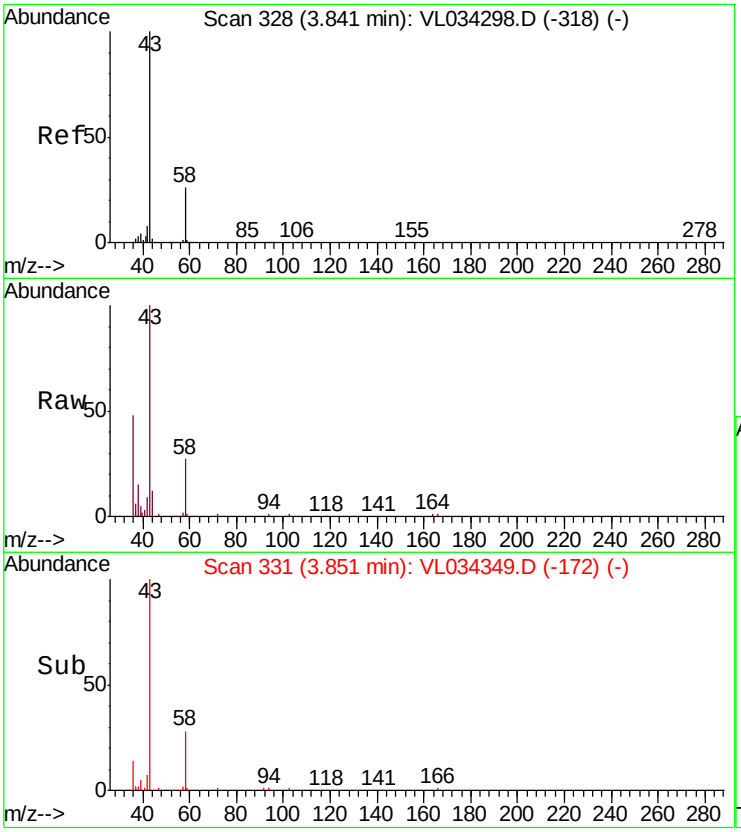


#10
Heptane
Concen: 0.042 ppbv
RT: 8.15 min Scan# 1668
Delta R.T. -0.02 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 43 Resp: 5230

Ion	Ratio	Lower	Upper
43	100		
57	159.6	39.5	59.3#



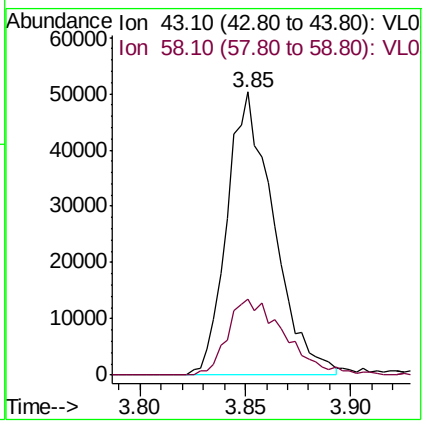


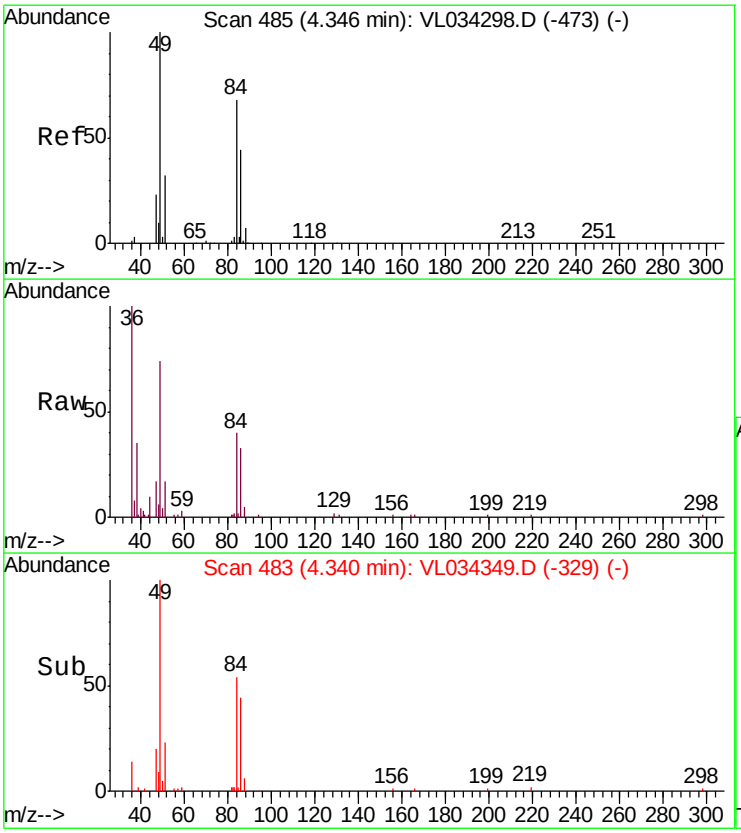
#15
Acetone
Concen: 0.586 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument : MSVOA_L
ClientSampleId : SV6

Tgt Ion: 43 Resp: 77499

Ion	Ratio	Lower	Upper
43	100		
58	32.9	20.4	30.6#

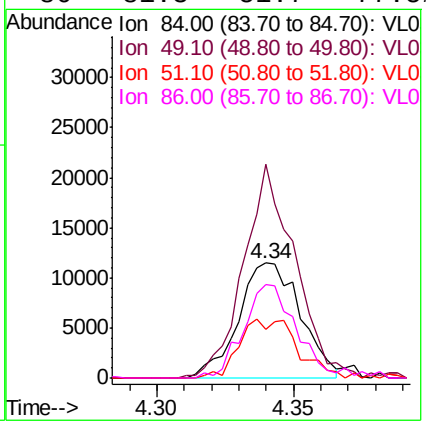


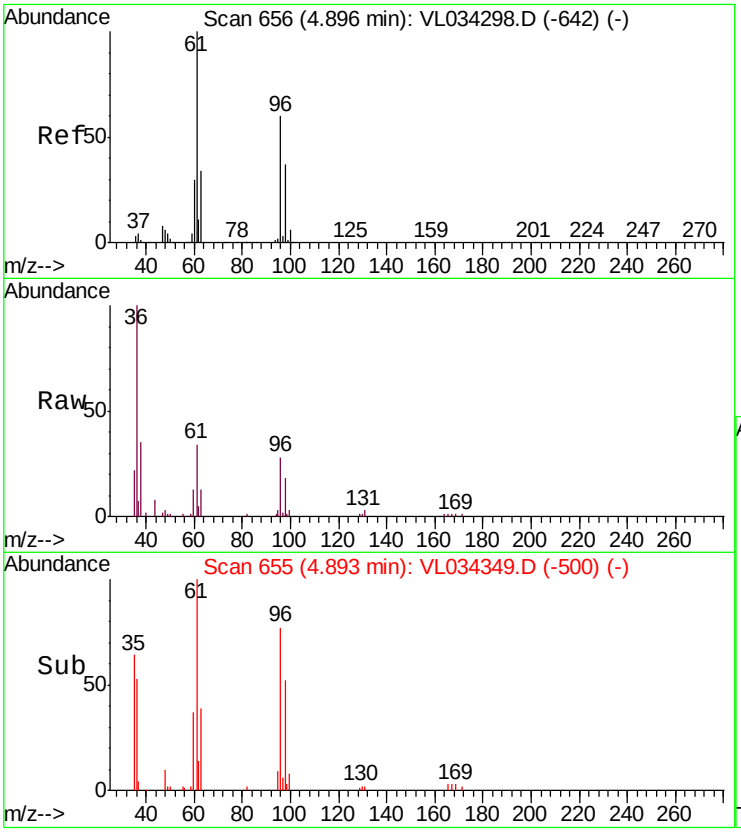


#20
Methylene Chloride
Concen: 0.379 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 84 Resp: 18139

Ion	Ratio	Lower	Upper
84	100		
49	183.9	118.5	177.7#
51	42.6	38.8	58.2
86	81.3	51.7	77.5#



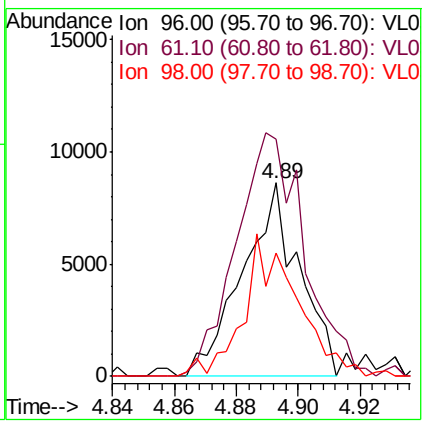


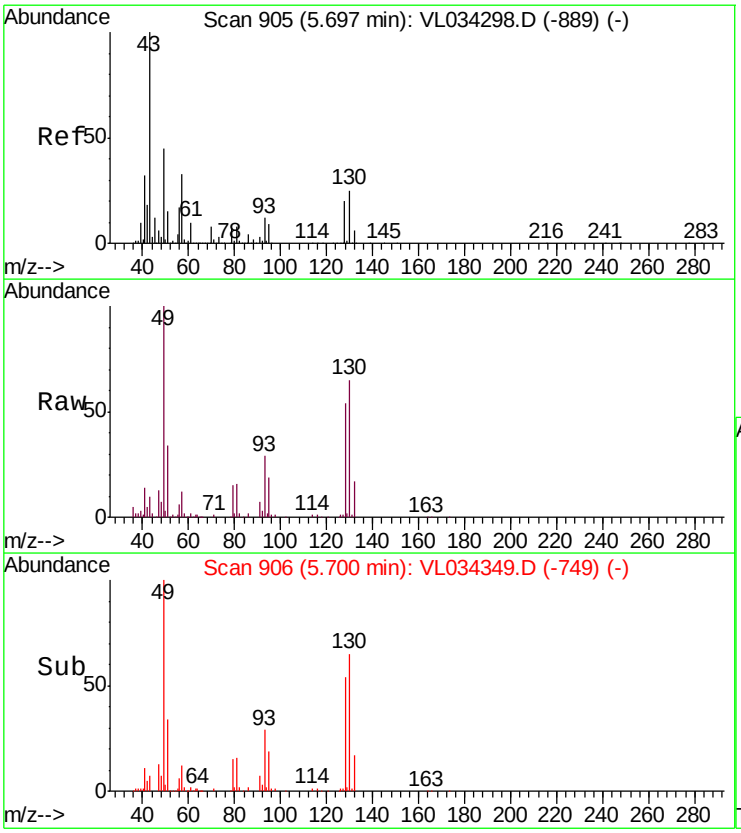
#22
trans-1,2-Dichloroethene
Concen: 0.254 ppbv
RT: 4.89 min Scan# 655
Delta R.T. -0.00 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument : MSVOA_L
ClientSampleId : SV6

Tgt Ion: 96 Resp: 11007

Ion	Ratio	Lower	Upper
96	100		
61	120.5	133.8	200.6#
98	65.4	49.4	74.0

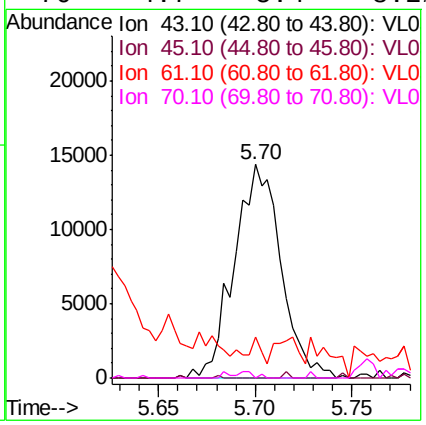


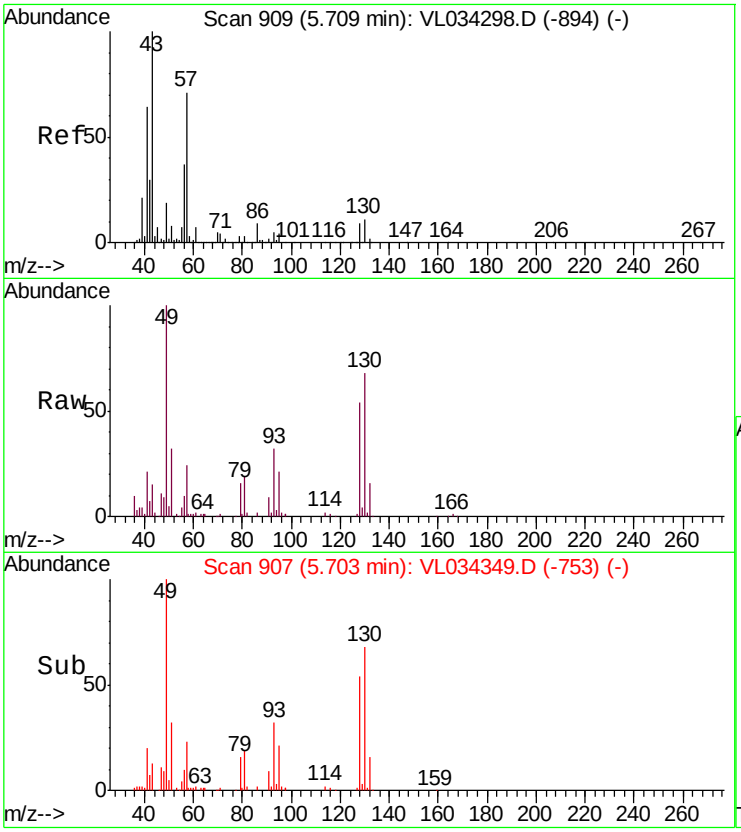


#25
Ethyl Acetate
Concen: 0.108 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 43 Resp: 24134

Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.3	12.5#
61	0.0	7.7	11.5#
70	4.7	5.4	8.2#



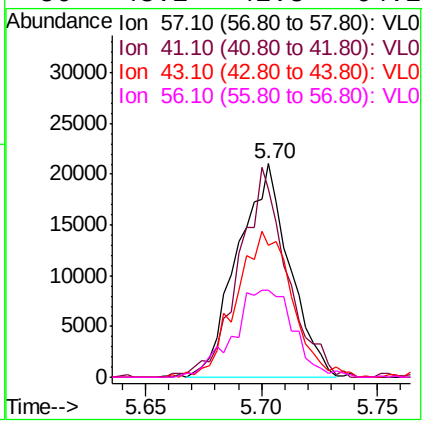


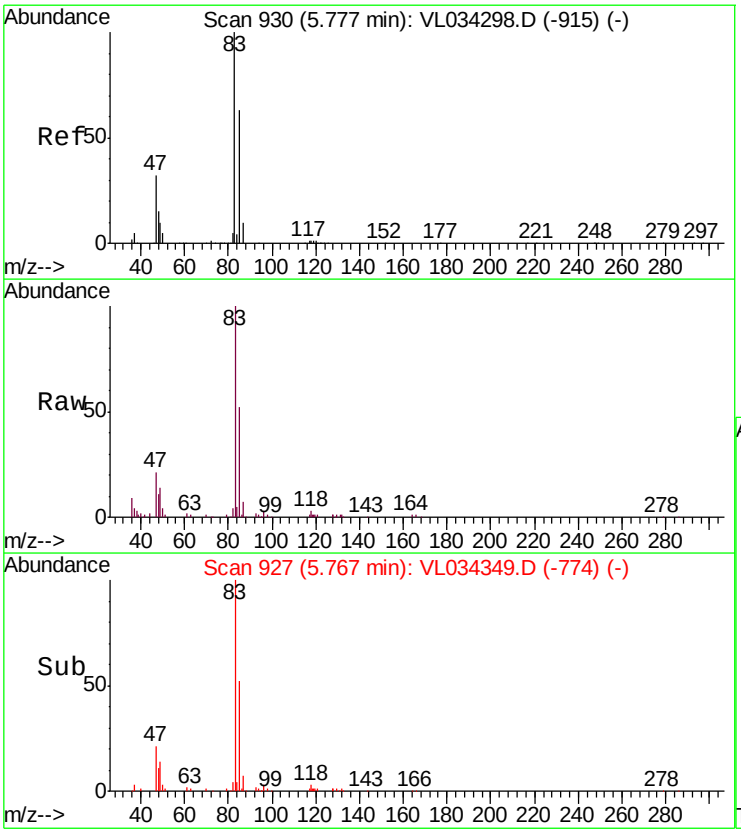
#26
Hexane
Concen: 0.344 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument : MSVOA_L
ClientSampleId : SV6

Tgt Ion: 57 Resp: 32723

Ion	Ratio	Lower	Upper
57	100		
41	91.4	76.5	114.7
43	74.8	188.5	282.7#
56	48.2	42.8	64.2

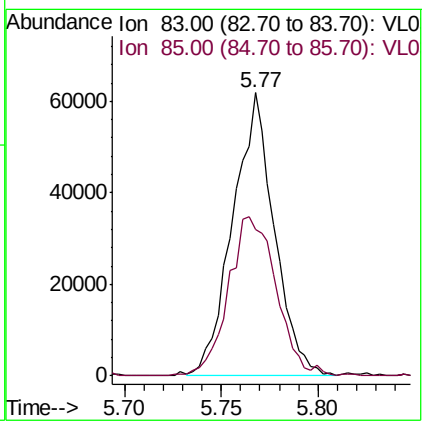


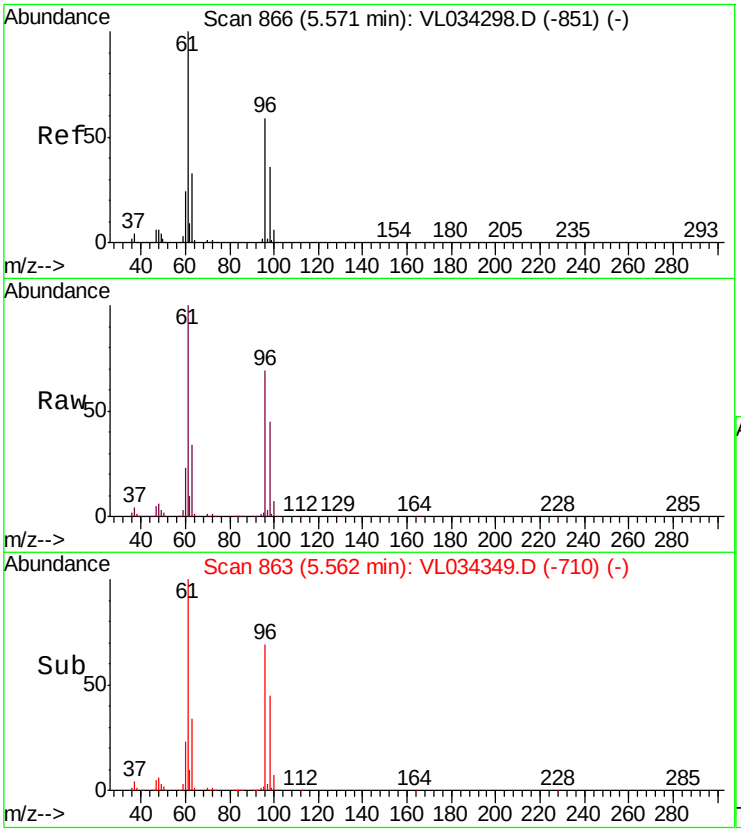


#29
Chloroform
Concen: 0.613 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 83 Resp: 92315

Ion	Ratio	Lower	Upper
83	100		
85	51.7	50.5	75.7



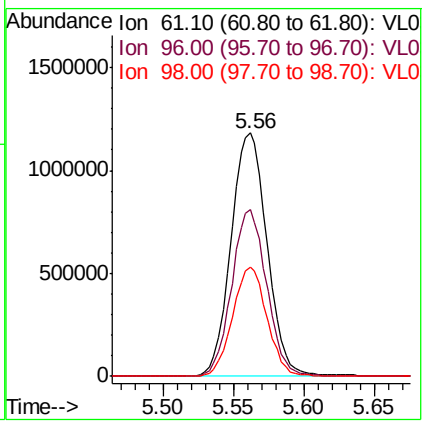


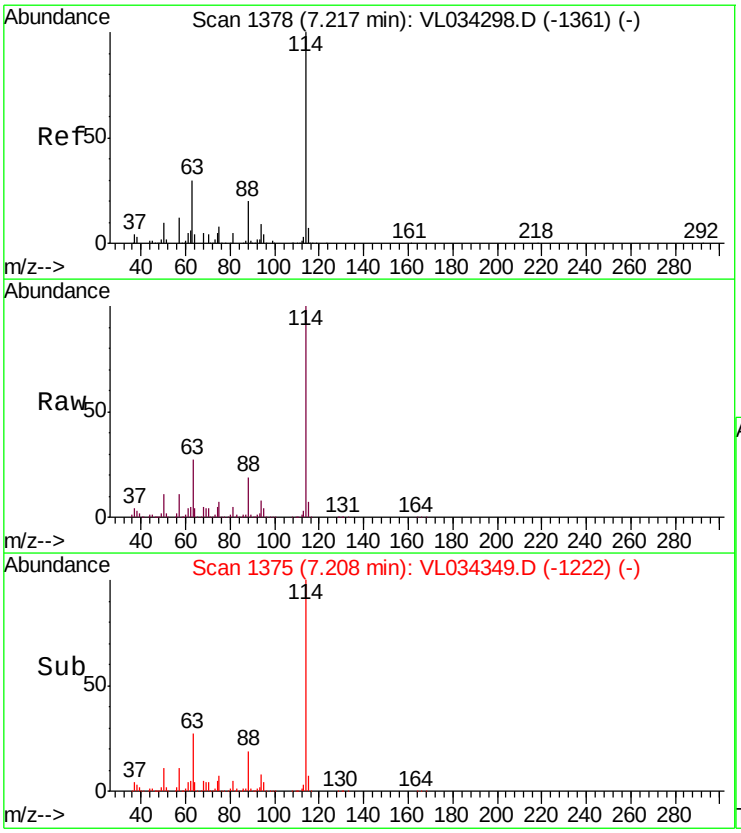
#31
cis-1,2-Dichloroethene
Concen: 21.915 ppbv
RT: 5.56 min Scan# 863
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampleId :
SV6

Tgt Ion: 61 Resp: 2118278

Ion	Ratio	Lower	Upper
61	100		
96	68.7	47.5	71.3
98	45.0	28.8	43.2#

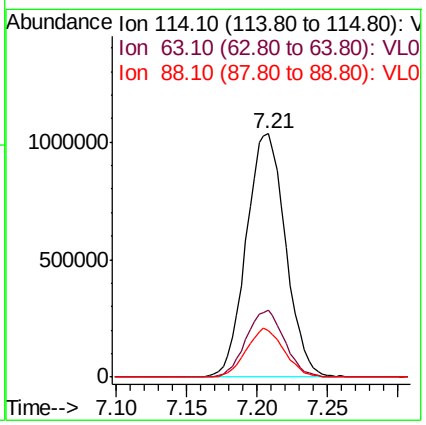


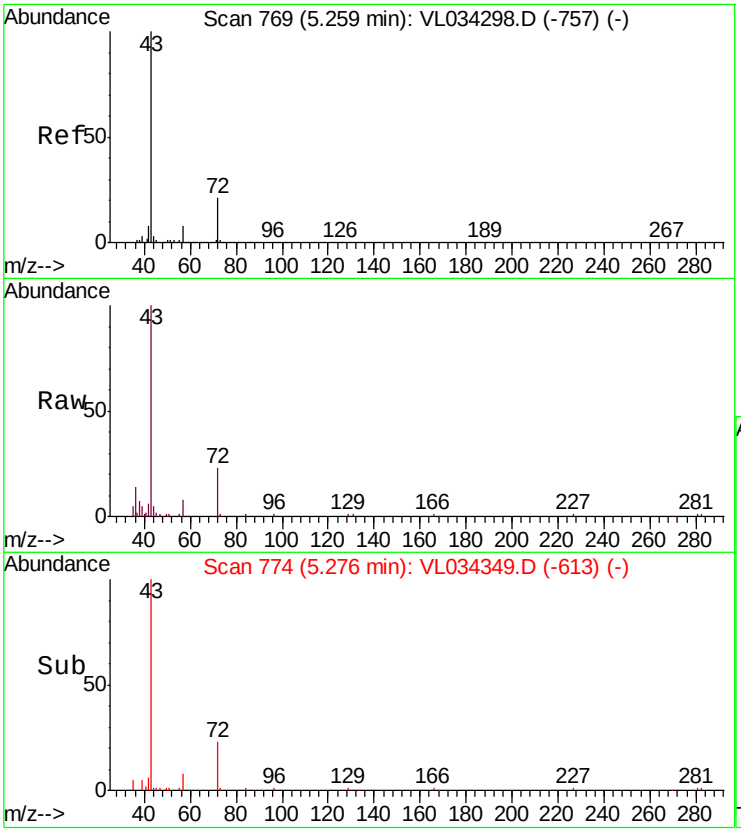


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion:114 Resp: 2018269

Ion	Ratio	Lower	Upper
114	100		
63	26.9	25.2	37.8
88	19.3	16.0	24.0



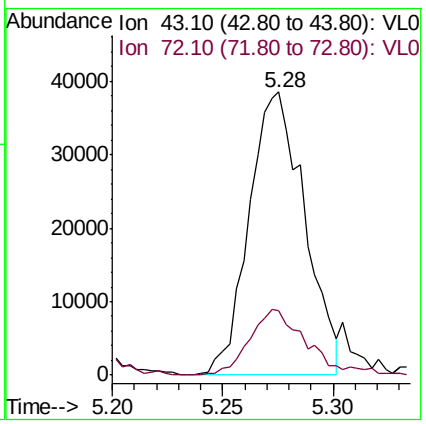


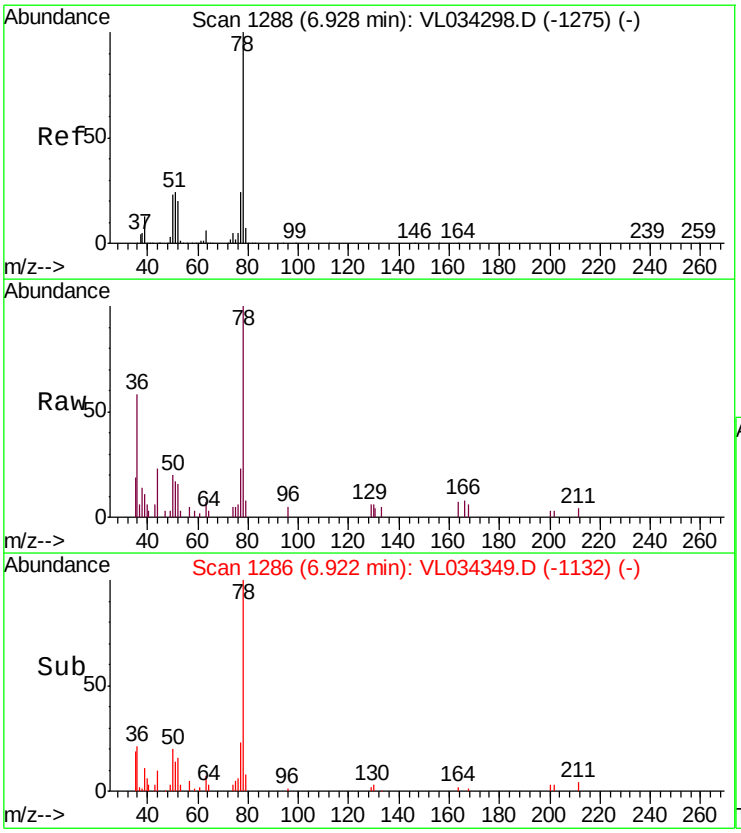
#34
2-Butanone
Concen: 0.407 ppbv
RT: 5.28 min Scan# 774
Delta R.T. 0.02 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampleId :
SV6

Tgt Ion: 43 Resp: 67207

Ion	Ratio	Lower	Upper
43	100		
72	24.2	16.3	24.5

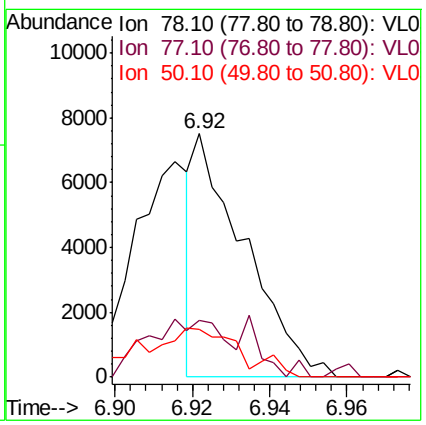


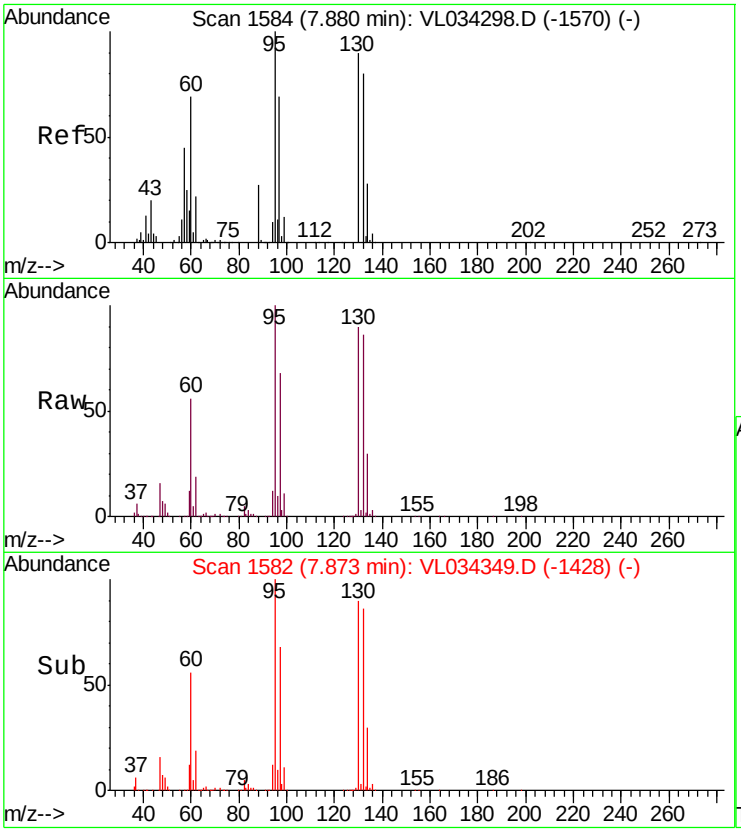


#36
Benzene
Concen: 0.035 ppbv
RT: 6.92 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 78 Resp: 6801

Ion	Ratio	Lower	Upper
78	100		
77	20.4	19.0	28.4
50	15.5	18.6	27.8#



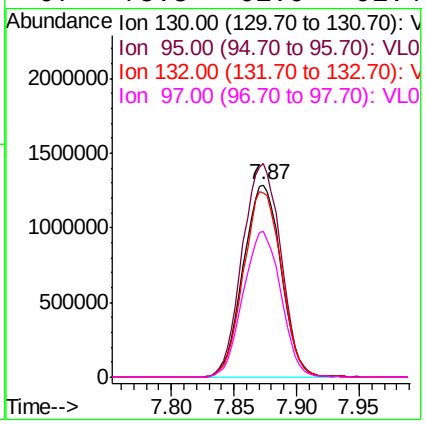


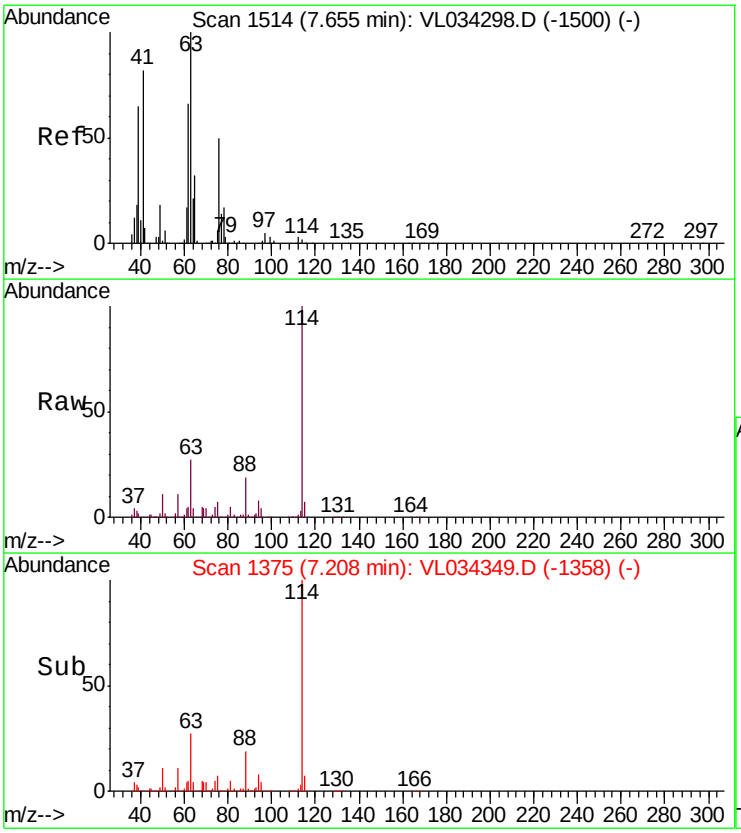
#38
Trichloroethene
Concen: 34.872 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampleId :
SV6

Tgt Ion:130 Resp: 2709817

Ion	Ratio	Lower	Upper
130	100		
95	111.2	88.6	132.8
132	95.9	71.2	106.8
97	75.8	61.0	91.4

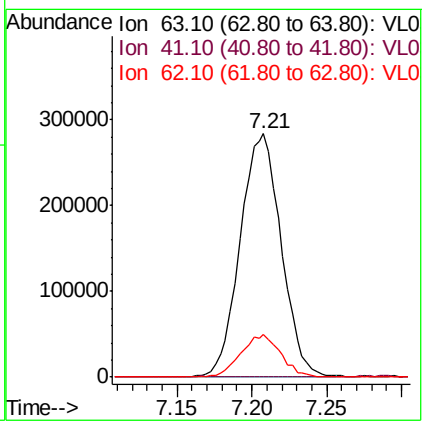


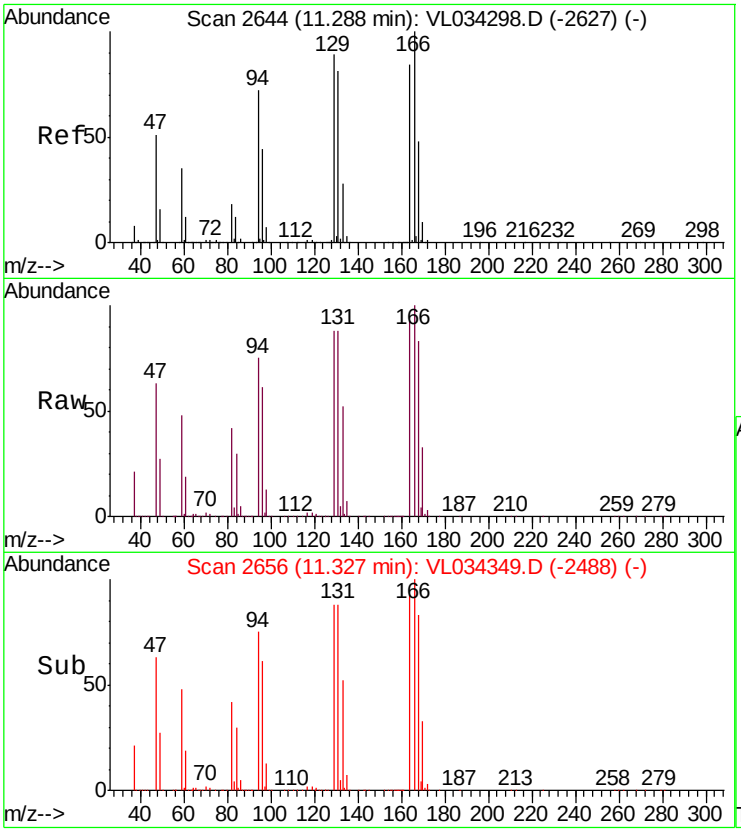


#39
1,2-Dichloropropane
Concen: 6.501 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. -0.45 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 63 Resp: 542036

Ion	Ratio	Lower	Upper
63	100		
41	0.0	65.6	98.4#
62	17.3	53.0	79.6#



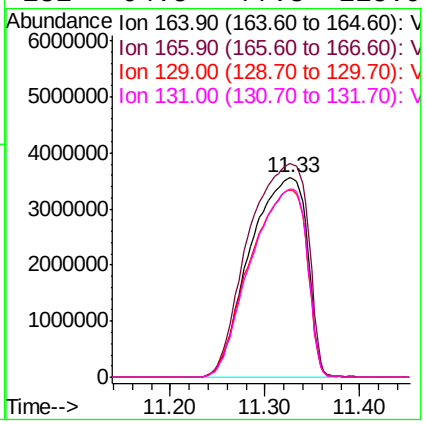


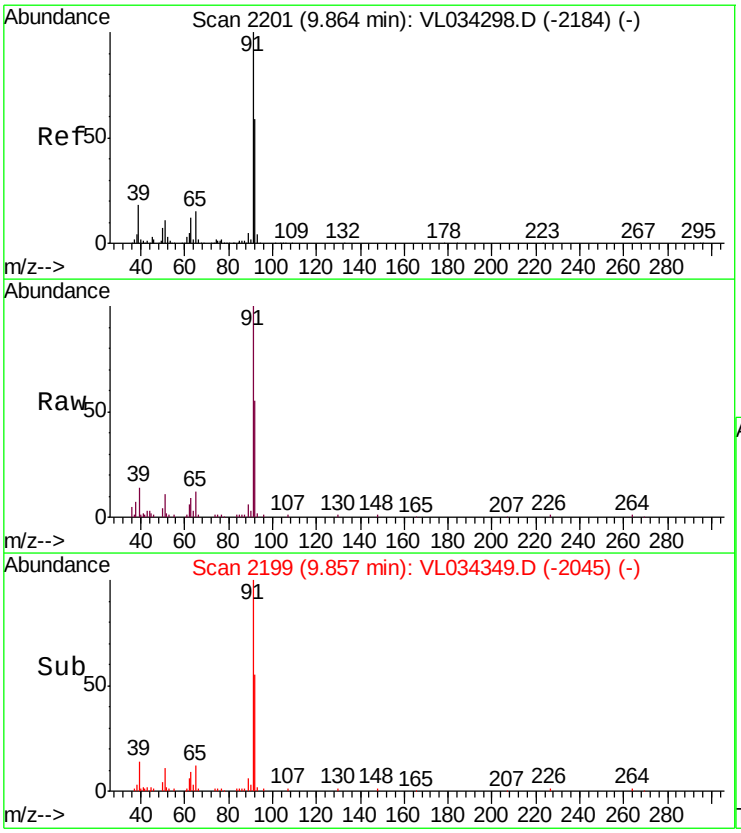
#52
Tetrachloroethene
Concen: 195.518 ppbv
RT: 11.33 min Scan# 2656
Delta R.T. 0.04 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument : MSVOA_L
ClientSampleId : SV6

Tgt Ion:164 Resp:14840781

Ion	Ratio	Lower	Upper
164	100		
166	107.1	95.3	142.9
129	93.8	84.5	126.7
131	94.5	77.3	115.9

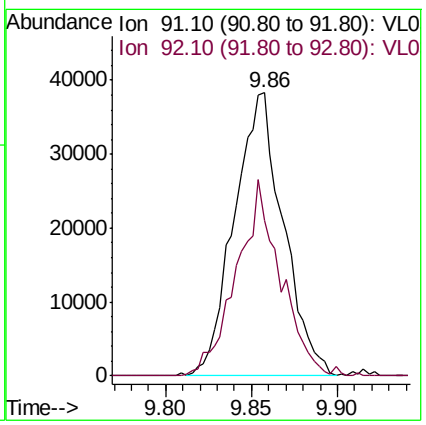


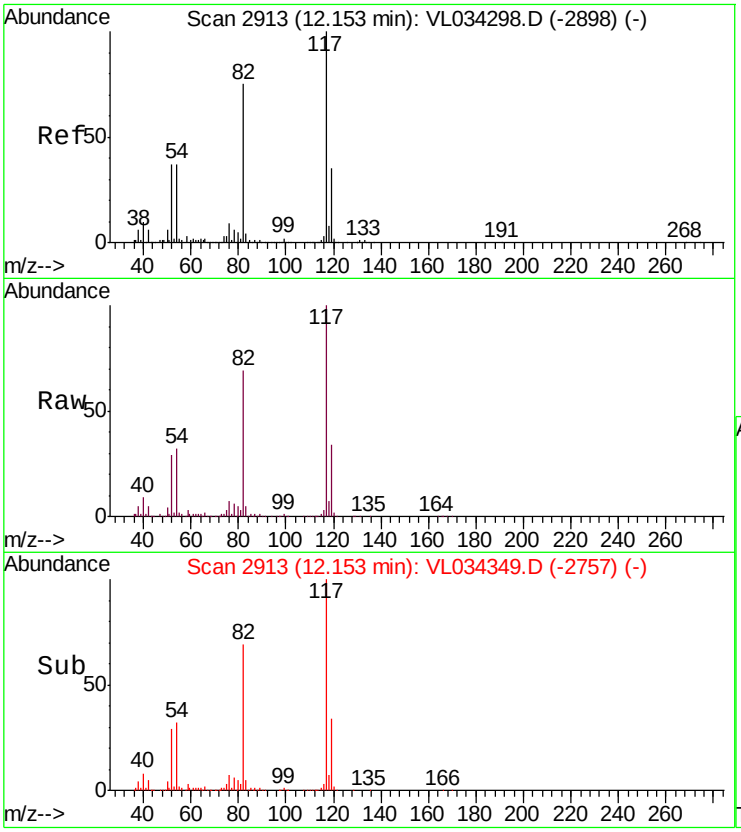


#53
Toluene
Concen: 0.356 ppbv
RT: 9.86 min Scan# 2199
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 91 Resp: 76038

Ion	Ratio	Lower	Upper
91	100		
92	62.1	48.4	72.6



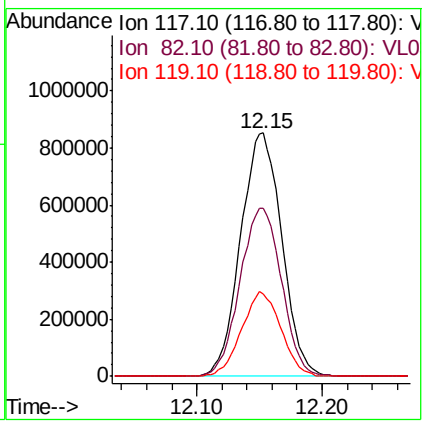


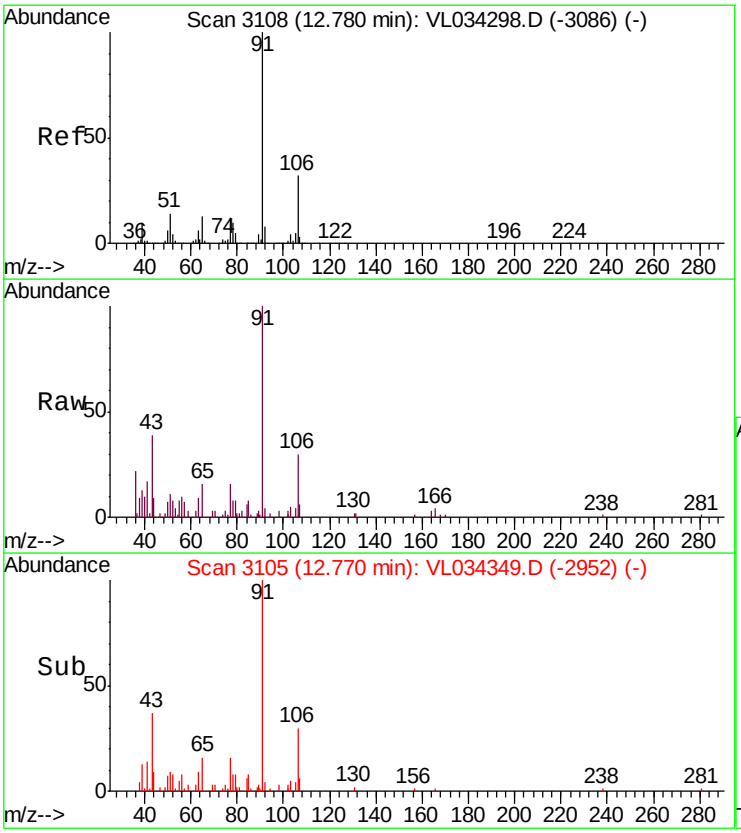
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument : MSVOA_L
ClientSampleId : SV6

Tgt Ion:117 Resp: 1949507

Ion	Ratio	Lower	Upper
117	100		
82	69.6	55.5	83.3
119	33.4	26.5	39.7

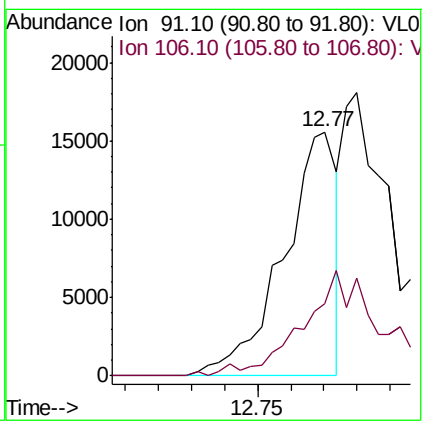


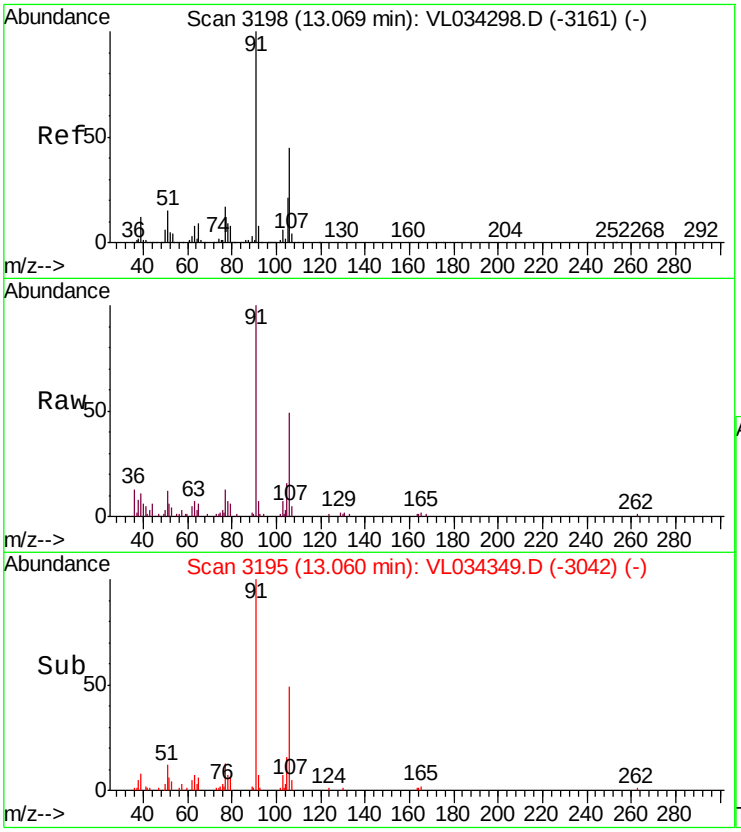


#58
Ethyl Benzene
Concen: 0.064 ppbv
RT: 12.77 min Scan# 3105
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 91 Resp: 17440

Ion	Ratio	Lower	Upper
91	100		
106	29.7	25.3	37.9



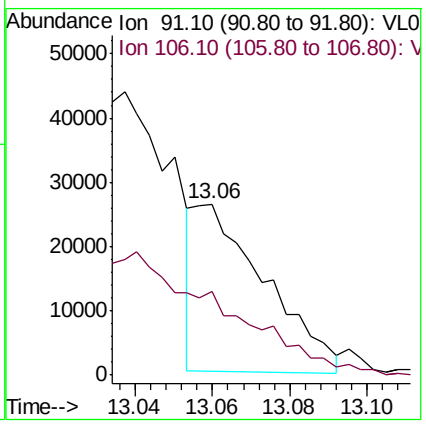


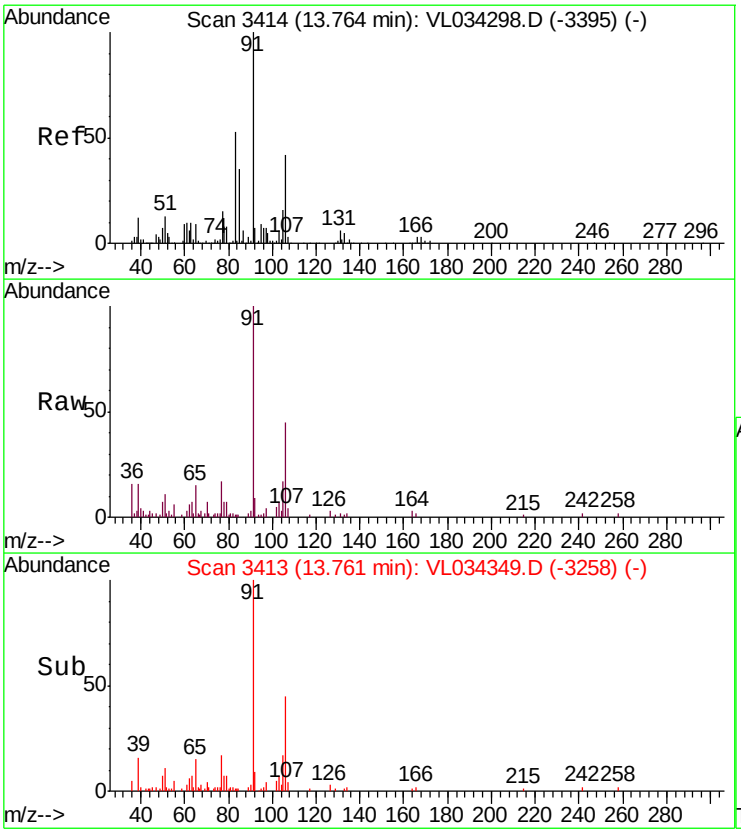
#59
m/p-Xylene
Concen: 0.139 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument : MSVOA_L
ClientSampleId : SV6

Tgt Ion: 91 Resp: 32908

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

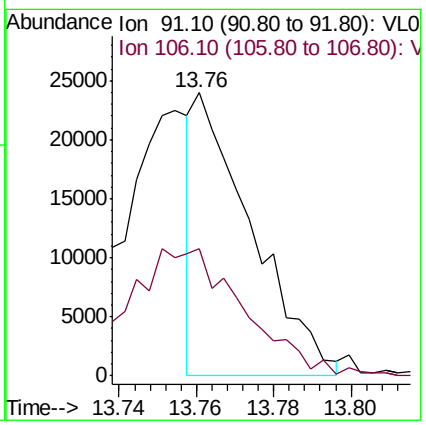


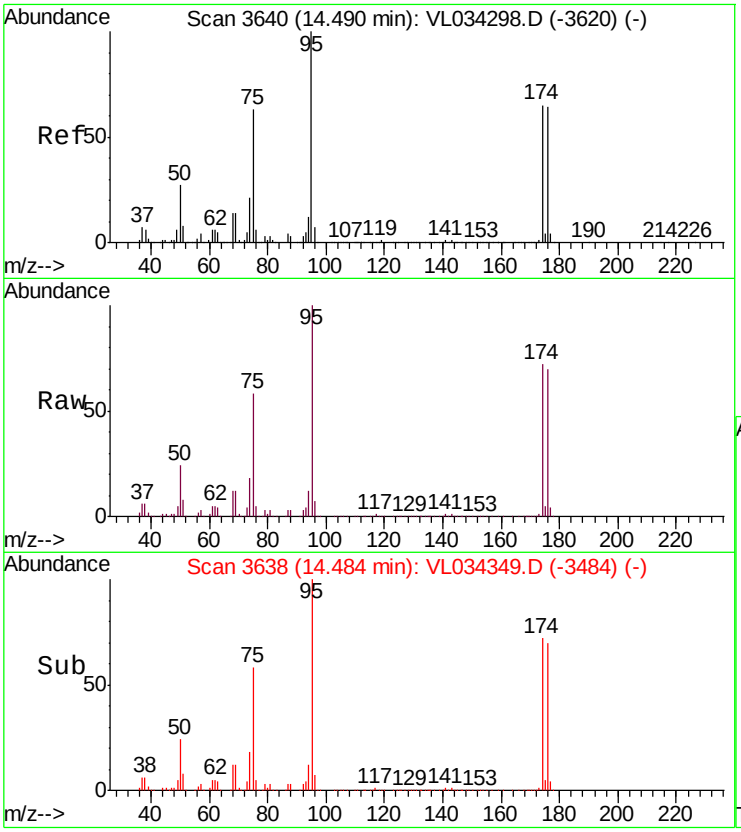


#60
o-Xylene
Concen: 0.105 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion: 91 Resp: 24705

Ion	Ratio	Lower	Upper
91	100		
106	93.4	21.6	64.6#



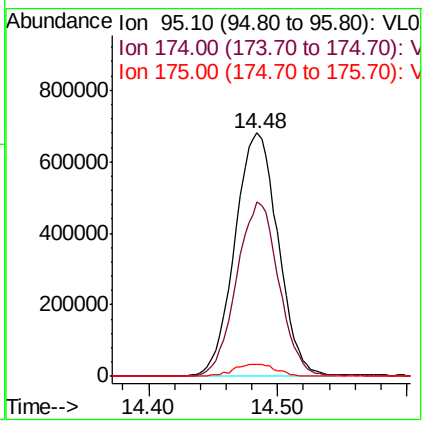


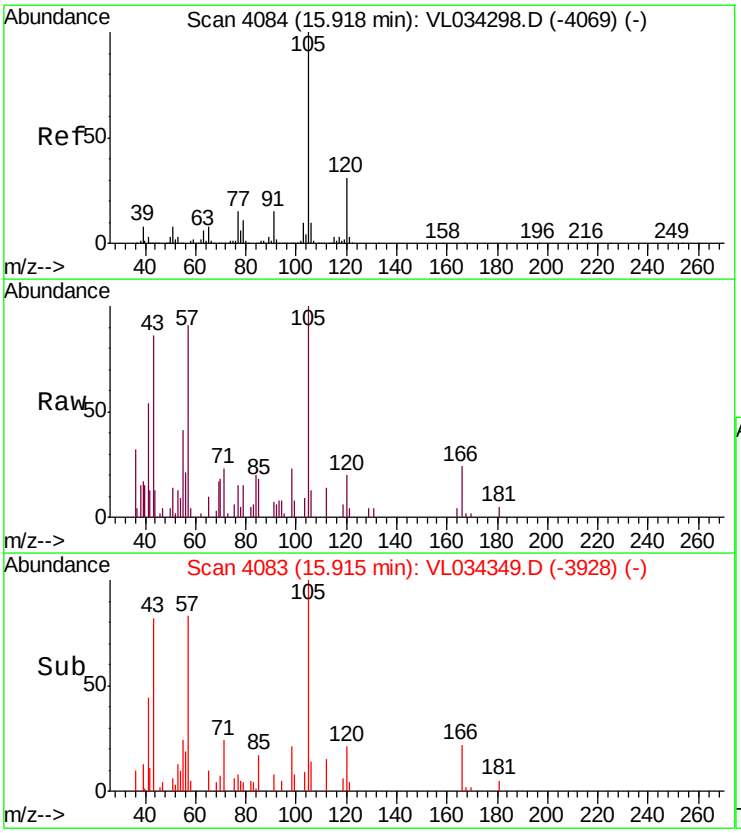
#68
1-Bromo-4-Fluorobenzene
Concen: 9.595 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument : MSVOA_L
ClientSampleId : SV6

Tgt Ion: 95 Resp: 1584274

Ion	Ratio	Lower	Upper
95	100		
174	70.4	52.6	78.8
175	5.1	3.8	5.6

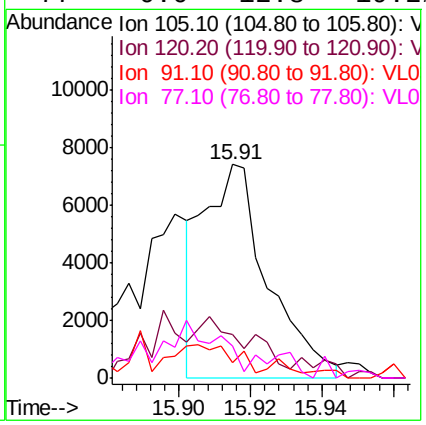


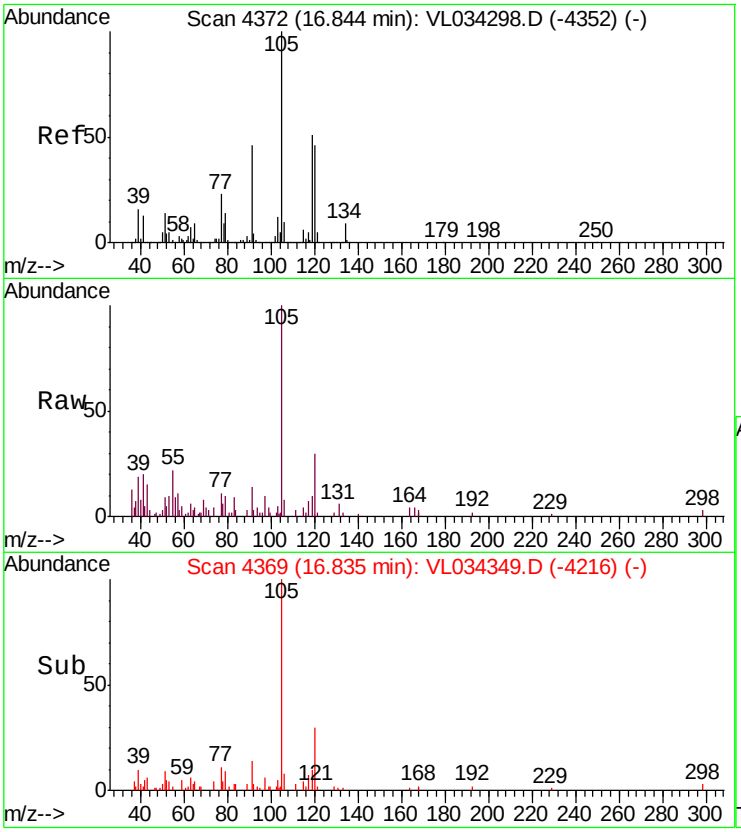


#72
4-Ethyltoluene
Concen: 0.035 ppbv
RT: 15.91 min Scan# 4083
Delta R.T. -0.00 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Tgt Ion:105 Resp: 9250

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.8	35.8#
91	0.0	11.2	16.8#
77	0.0	12.8	19.2#





#74
1,2,4-Trimethylbenzene
Concen: 0.134 ppbv
RT: 16.83 min Scan# 4369
Delta R.T. -0.01 min
Lab File: VL034349.D
Acq: 24 Oct 2019 16:53

Instrument :
MSVOA_L
ClientSampleId :
SV6

Tgt Ion:105 Resp: 36461

Ion	Ratio	Lower	Upper
105	100		
120	29.7	37.0	55.6#
91	14.9	38.2	57.2#
77	11.4	19.0	28.4#