Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035649.D
Acq On : 17 Sep 2020 4:52
Operator : SY/AP
Sample : L4016-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-13

Quant Time: Sep 17 07:11:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1324531	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	5301898	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	5212644	10.00	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	3925883	10.61	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	12998	0.057	ppbv		99
4) Chloromethane	3.13	50	4920	0.063	ppbv	#	83
9) Propene	3.01	41	175292	3.104	ppbv	#	61
10) Heptane	8.13	43	7495	0.049	ppbv	#	18
13) Ethanol	3.61	45	19401	1.386	ppbv		99
15) Acetone	3.84	43	3857792	26.408	ppbv		95
16) 1,3-Butadiene	3.30	39	181158	3.331	ppbv	#	3
17) tert-Butyl alcohol	4.31	59	11355	0.064	ppbv	#	72
19) Isopropyl Alcohol	3.98	45	12327	0.141	ppbv	#	93
20) Methylene Chloride	4.34	84	107662	0.990	ppbv		97
23) Vinyl Acetate	5.06	43	94468	0.504	ppbv	#	28
25) Ethyl Acetate	5.69	43	30637	0.119	ppbv	#	79
26) Hexane	5.69	57	48503	0.332	ppbv	#	47
29) Chloroform	5.75	83	574829	1.929	ppbv		100
30) Cyclohexane	7.13	84	31267	0.200	ppbv	#	86
31) cis-1,2-Dichloroethene	5.55	61	144435	0.963	ppbv		98
34) 2-Butanone	5.26	43	73549	0.467	ppbv		96
36) Benzene	6.90	78	85247	0.248	ppbv		99
38) Trichloroethene	7.84	130	2059468	10.331	ppbv		95
39) 1,2-Dichloropropane	7.18	63	1027550	8.863	ppbv	#	32
42) Bromodichloromethane	7.80	83	19149	0.072	ppbv	#	82
44) 2,2,4-Trimethylpentane	7.88	57	2872085	6.360	ppbv		97
51) 2-Hexanone	10.28	43	56303	0.301	ppbv	#	24
52) Tetrachloroethene	11.23	164	10096056	50.355	ppbv	#	80
53) Toluene	9.82	91	453374	1.050	ppbv		97
58) Ethyl Benzene	12.73	91	143057	0.266	ppbv		94
59) m/p-Xylene	12.99	91	465541	1.036	ppbv		96
60) o-Xylene	13.71	91	186253	0.412	ppbv		95
64) n-propylbenzene	15.58	120	20297	0.092	ppbv	#	44
65) tert-Butylbenzene	16.78	119	33771	0.050	ppbv	#	77
70) n-Butylbenzene	18.58	91	60545	0.080	ppbv	#	82
72) 4-Ethyltoluene	15.86	105	97740	0.170	ppbv	#	93
73) 1,3,5-Trimethylbenzene	16.01	105	61064	0.115	ppbv		94
74) 1,2,4-Trimethylbenzene	16.78	105	254202	0.435	ppbv	#	73

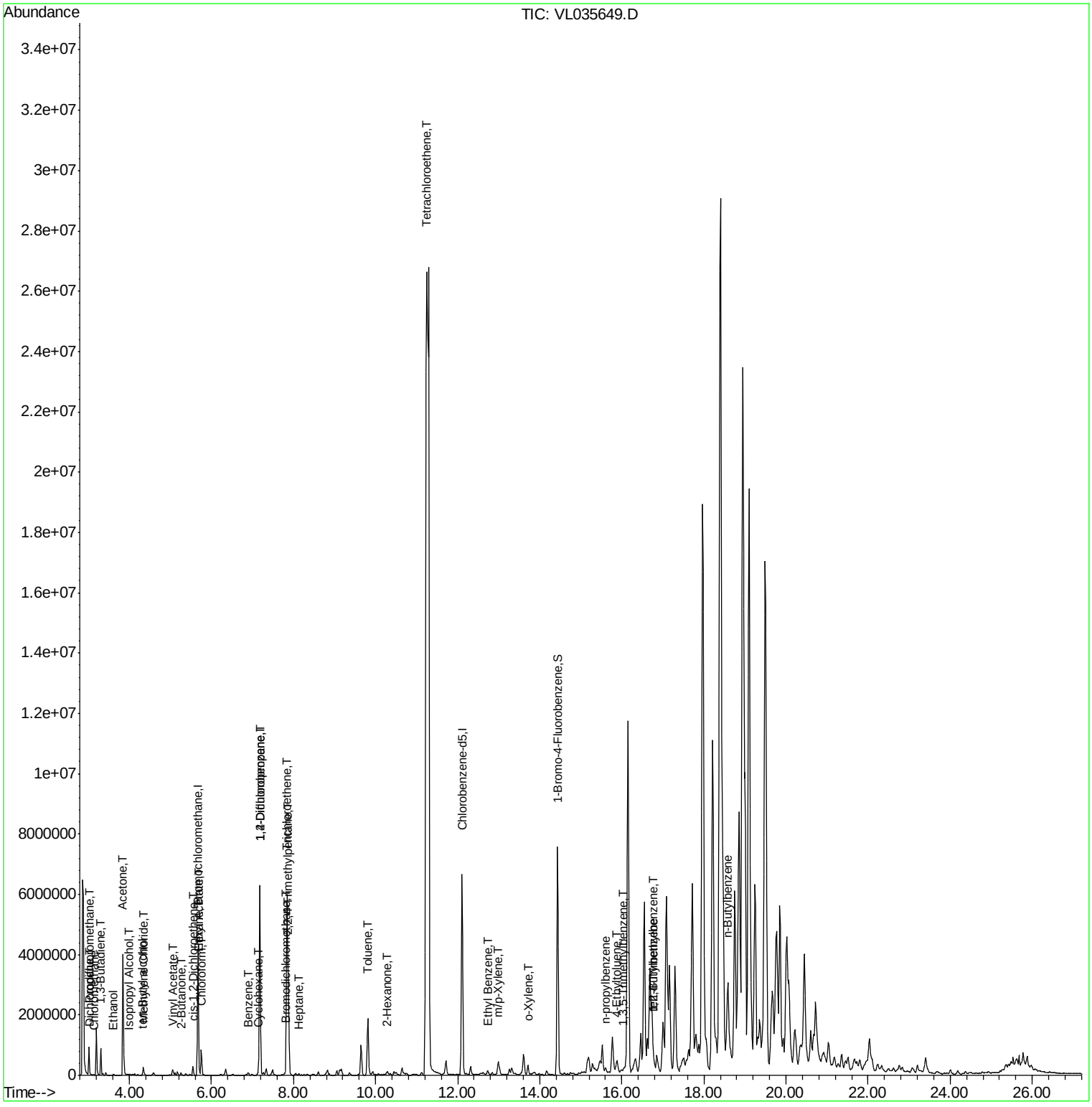
(#) = qualifier out of range (m) = manual integration (+) = signals summed

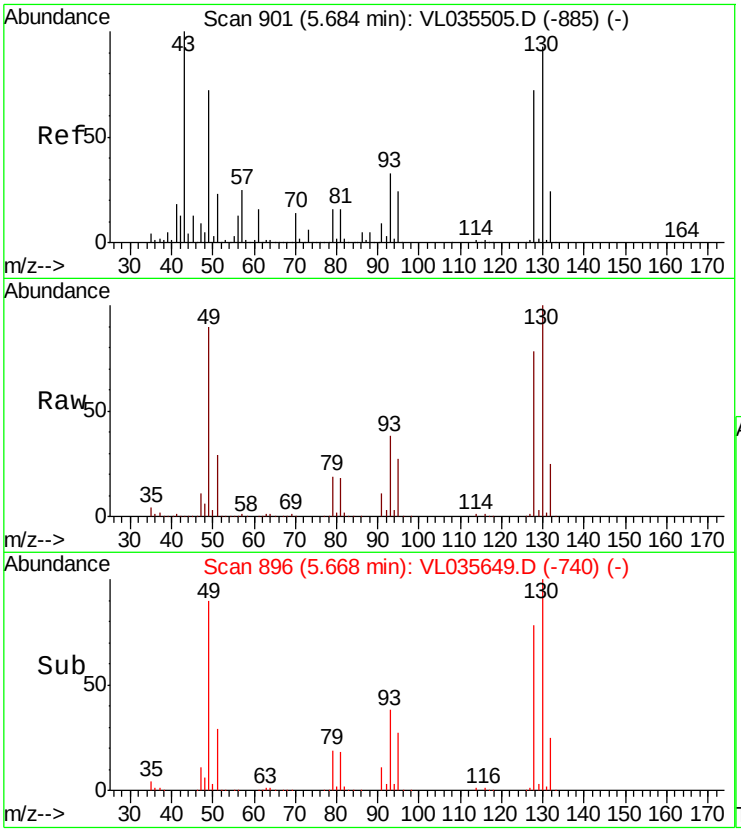
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035649.D
Acq On : 17 Sep 2020 4:52
Operator : SY/AP
Sample : L4016-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-13

Quant Time: Sep 17 07:11:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration



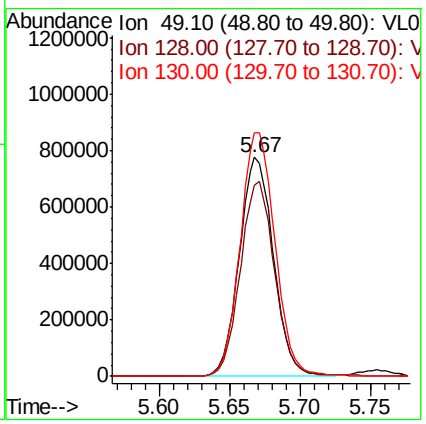


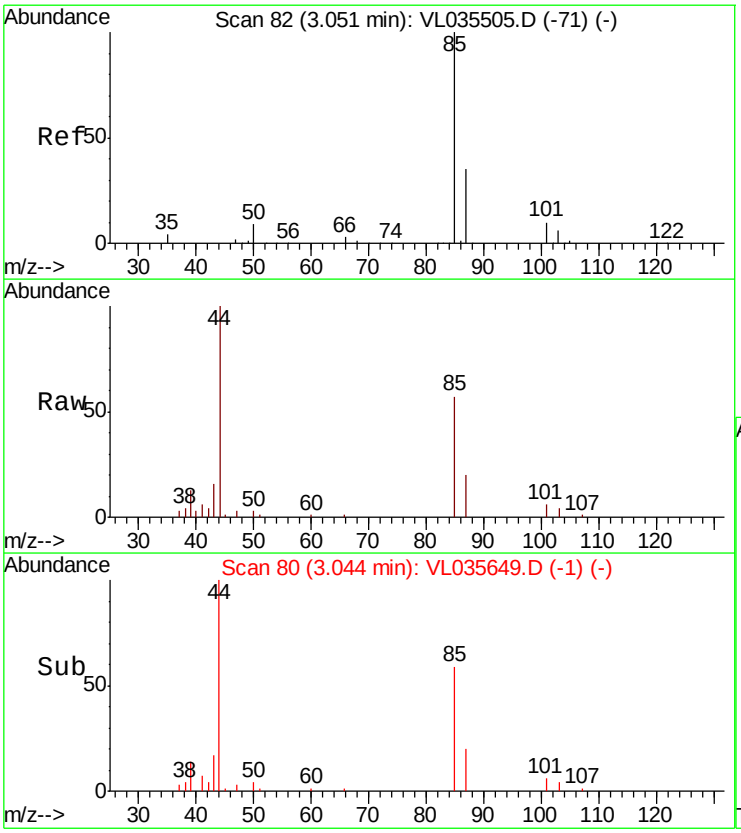
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument :
MSVOA_L
ClientSampleId :
SV-13

Tgt Ion: 49 Resp: 1324531

Ion	Ratio	Lower	Upper
49	100		
128	89.5	50.0	150.1
130	114.1	64.4	193.2

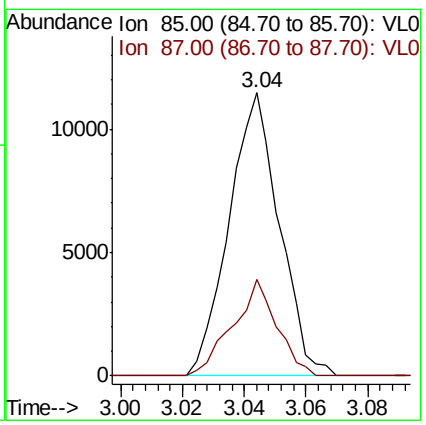


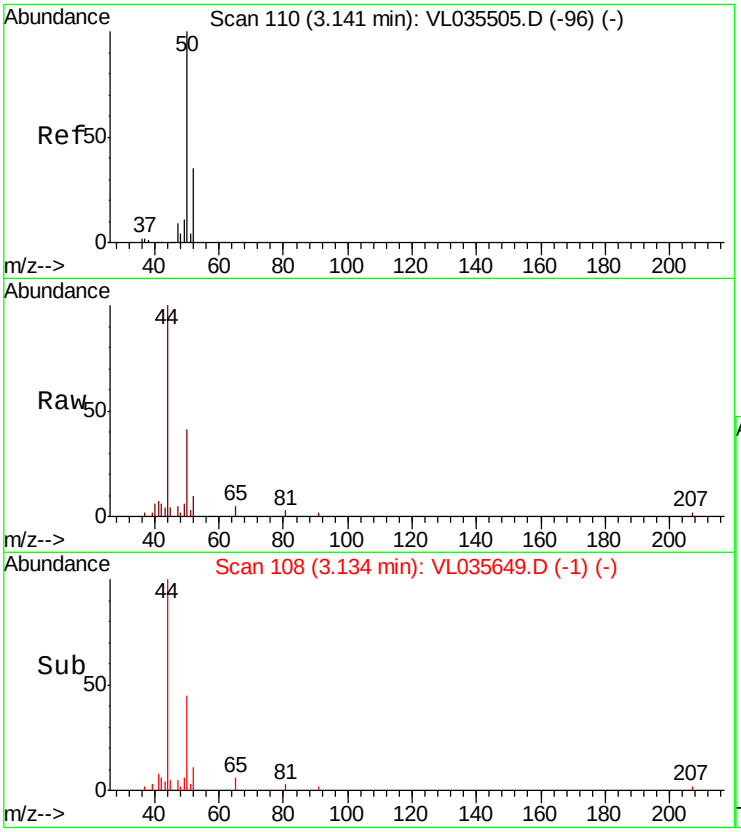


#2
Dichlorodifluoromethane
Concen: 0.057 ppbv
RT: 3.04 min Scan# 80
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 85 Resp: 12998

Ion	Ratio	Lower	Upper
85	100		
87	34.1	28.0	42.0



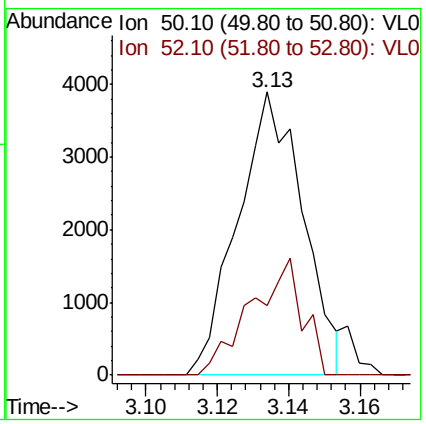


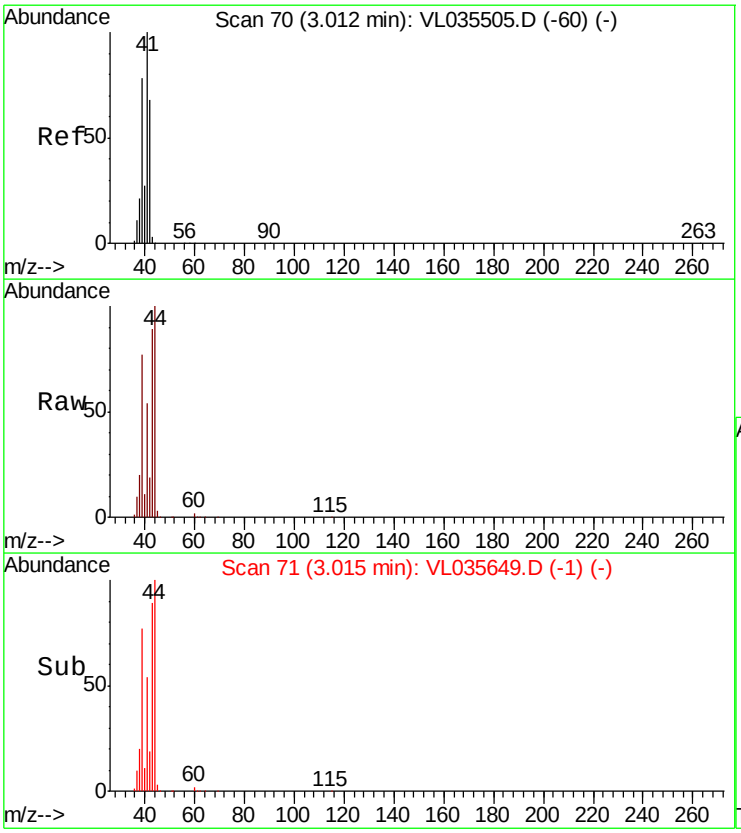
#4
Chloromethane
Concen: 0.063 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion: 50 Resp: 4920

Ion	Ratio	Lower	Upper
50	100		
52	24.8	27.7	41.5#

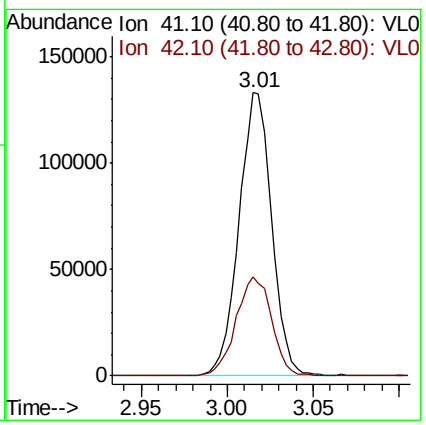


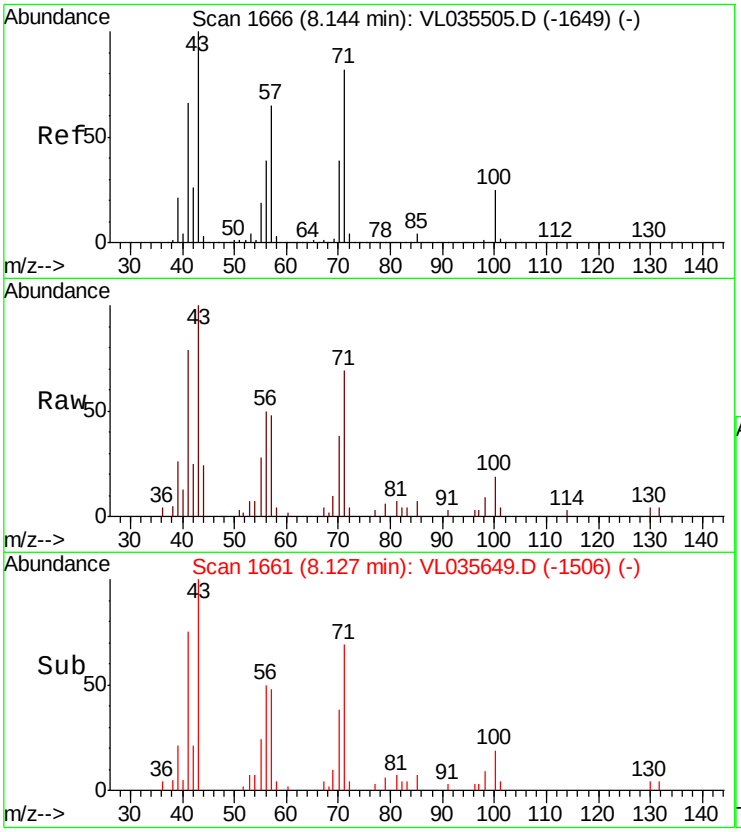


#9
Propene
Concen: 3.104 ppbv
RT: 3.01 min Scan# 71
Delta R.T. 0.02 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 41 Resp: 175292

Ion	Ratio	Lower	Upper
41	100		
42	38.4	56.3	84.5#



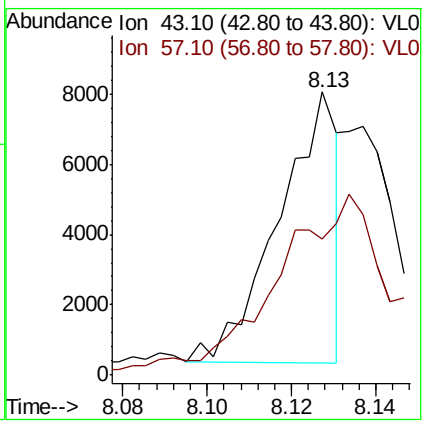


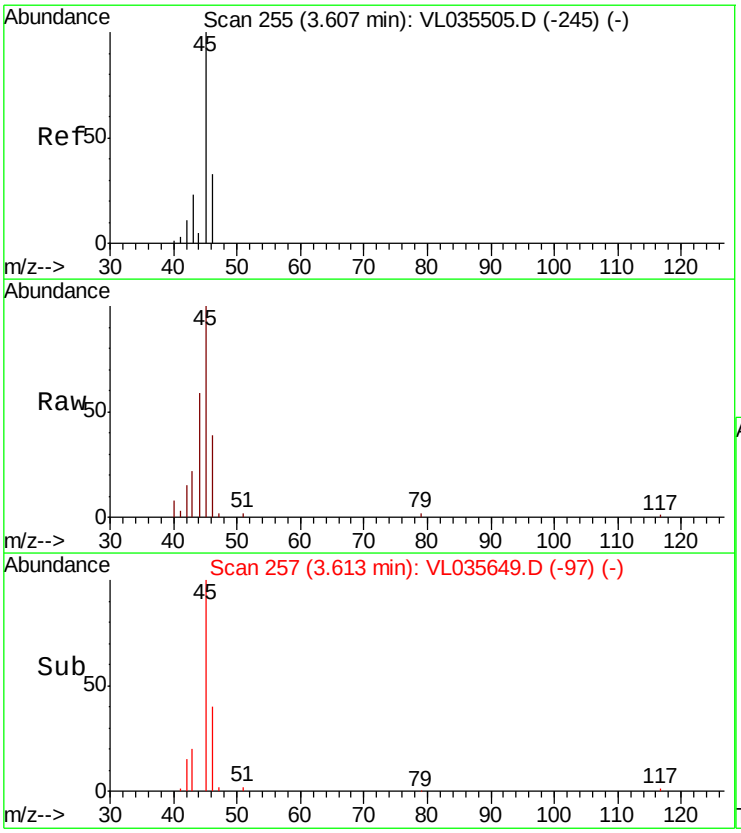
#10
Heptane
Concen: 0.049 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument :
MSVOA_L
ClientSampleId :
SV-13

Tgt Ion: 43 Resp: 7495

Ion	Ratio	Lower	Upper
43	100		
57	0.0	51.4	77.0#

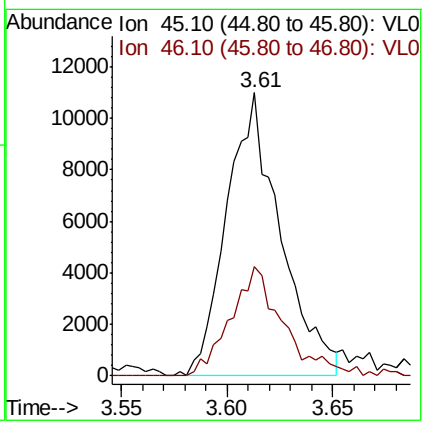


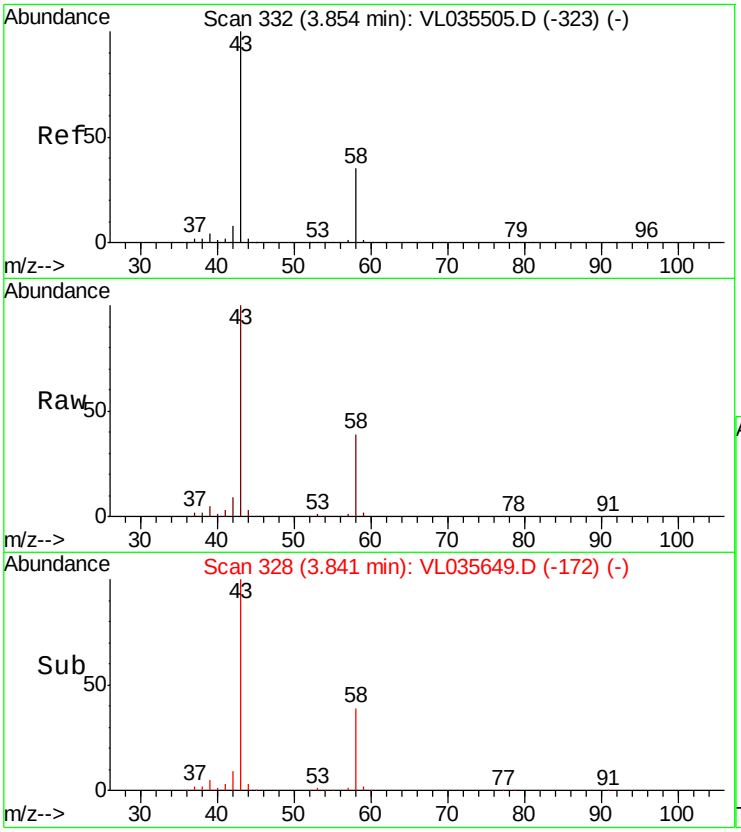


#13
Ethanol
Concen: 1.386 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.02 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 45 Resp: 19401

Ion	Ratio	Lower	Upper
45	100		
46	38.6	15.2	60.6



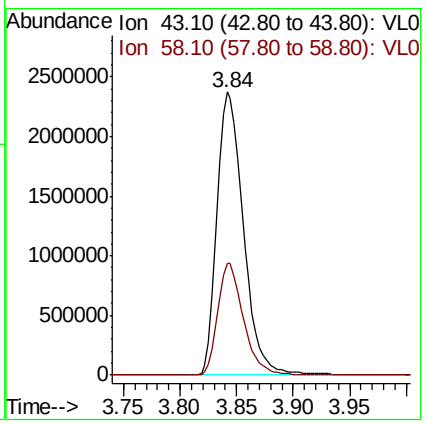


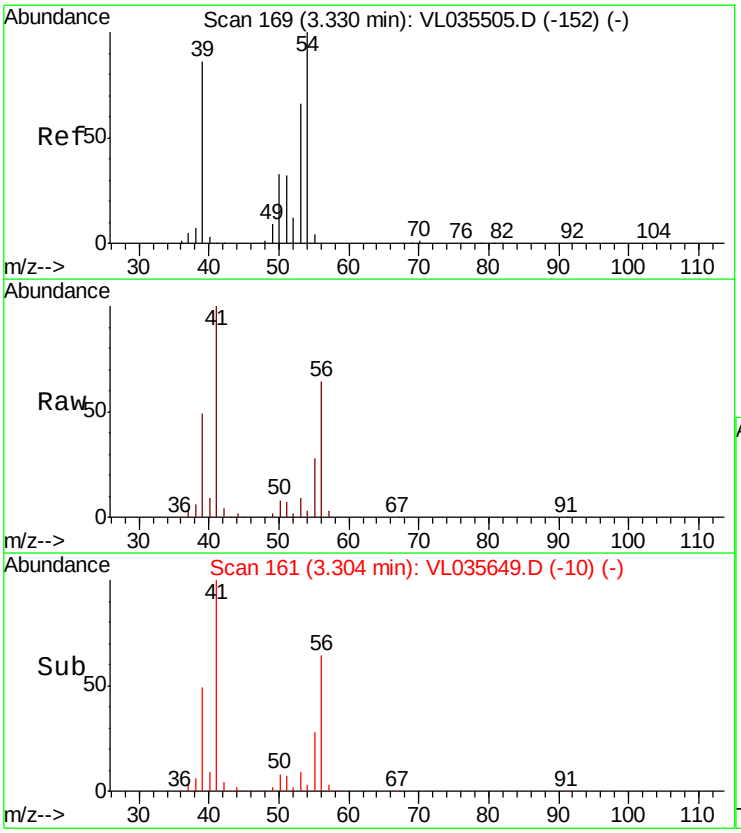
#15
Acetone
Concen: 26.408 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion: 43 Resp: 3857792

Ion	Ratio	Lower	Upper
43	100		
58	38.7	28.4	42.6

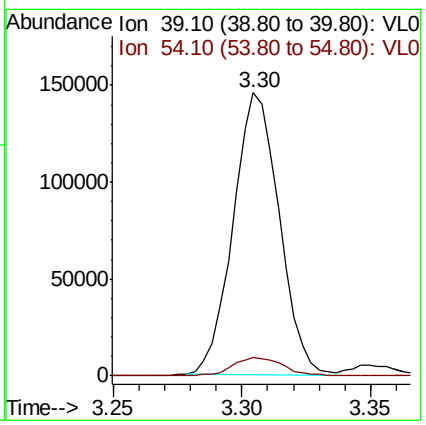


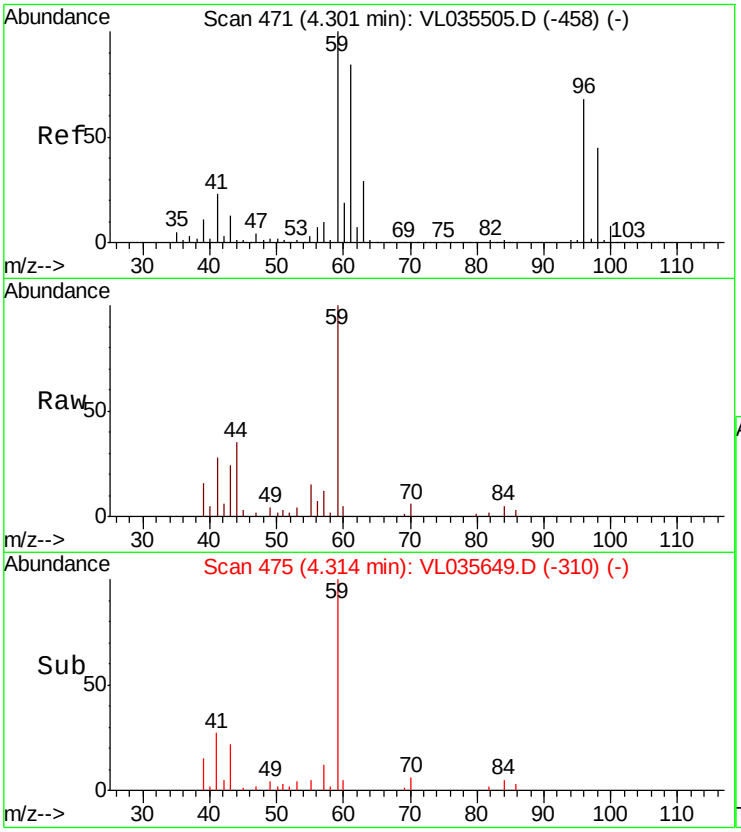


#16
1,3-Butadiene
Concen: 3.331 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 39 Resp: 181158

Ion	Ratio	Lower	Upper
39	100		
54	7.4	88.4	132.6#



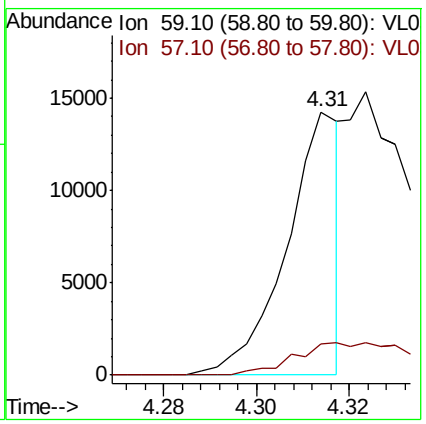


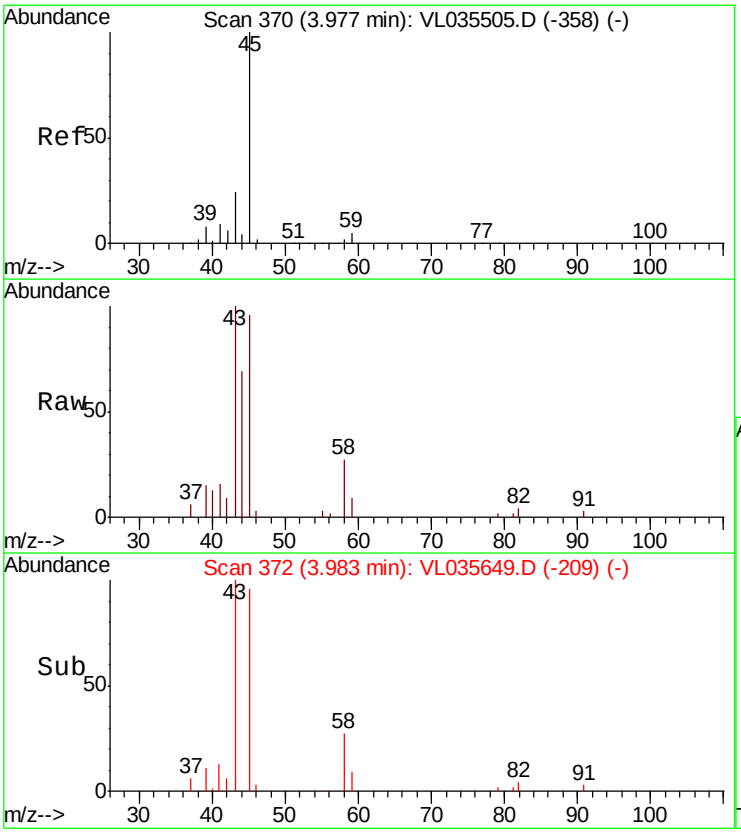
#17
tert-Butyl alcohol
Concen: 0.064 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.03 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion: 59 Resp: 11355

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

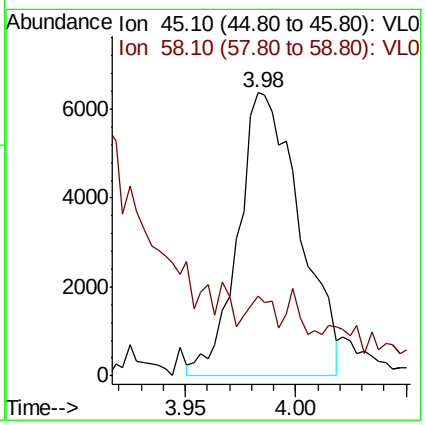


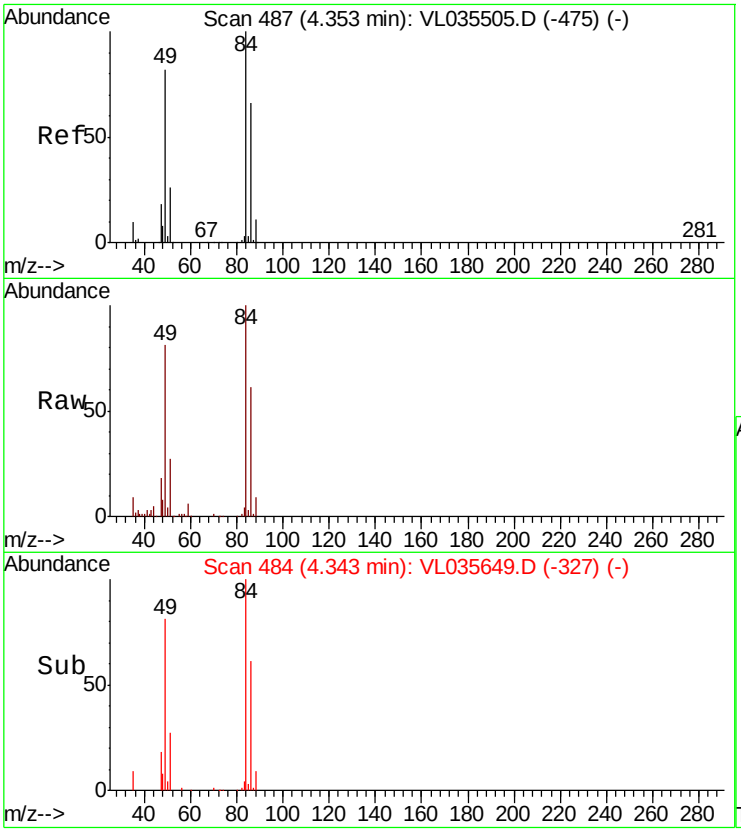


#19
Isopropyl Alcohol
Concen: 0.141 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.03 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 45 Resp: 12327

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#



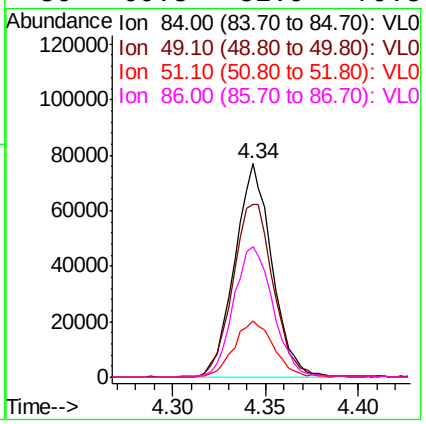


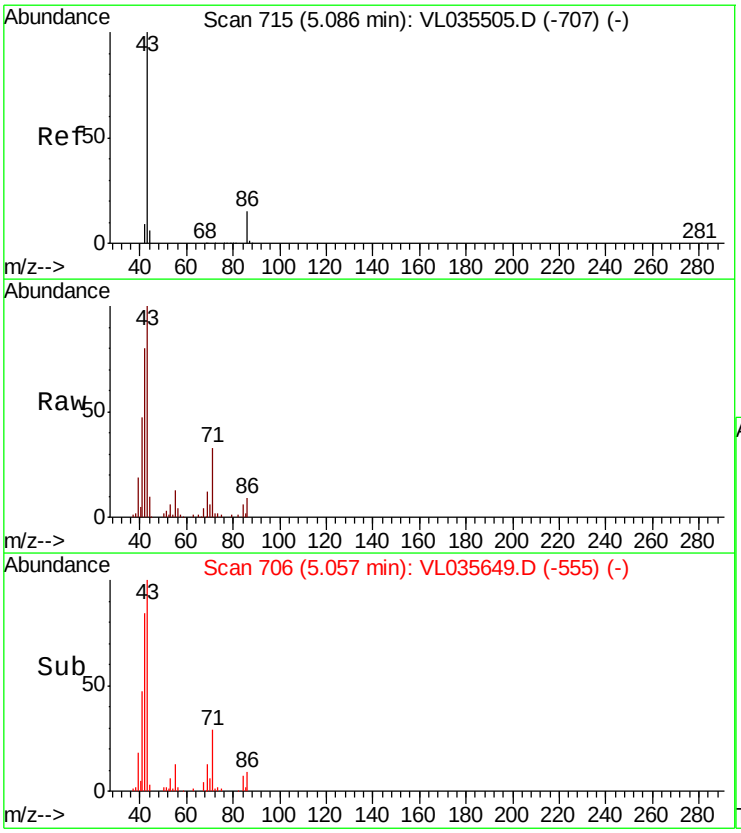
#20
Methylene Chloride
Concen: 0.990 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion: 84 Resp: 107662

Ion	Ratio	Lower	Upper
84	100		
49	81.2	65.4	98.0
51	26.0	21.5	32.3
86	60.8	52.9	79.3

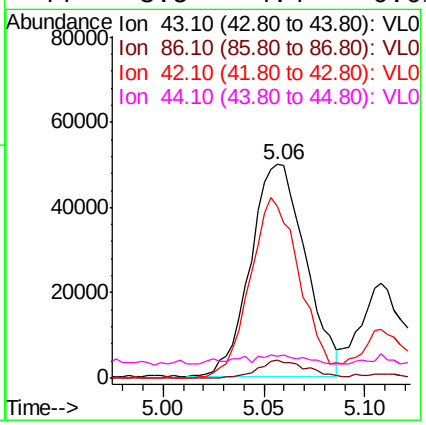


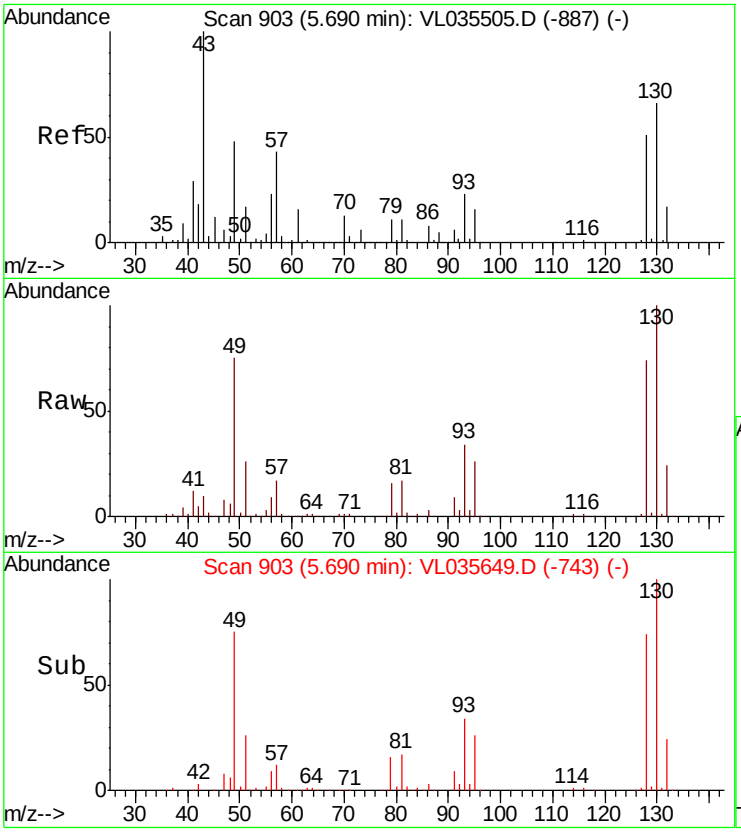


#23
Vinyl Acetate
Concen: 0.504 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 43 Resp: 94468

Ion	Ratio	Lower	Upper
43	100		
86	8.8	10.6	16.0#
42	80.6	7.5	11.3#
44	3.5	4.4	6.6#



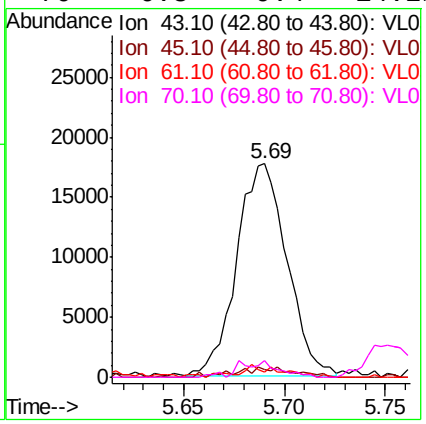


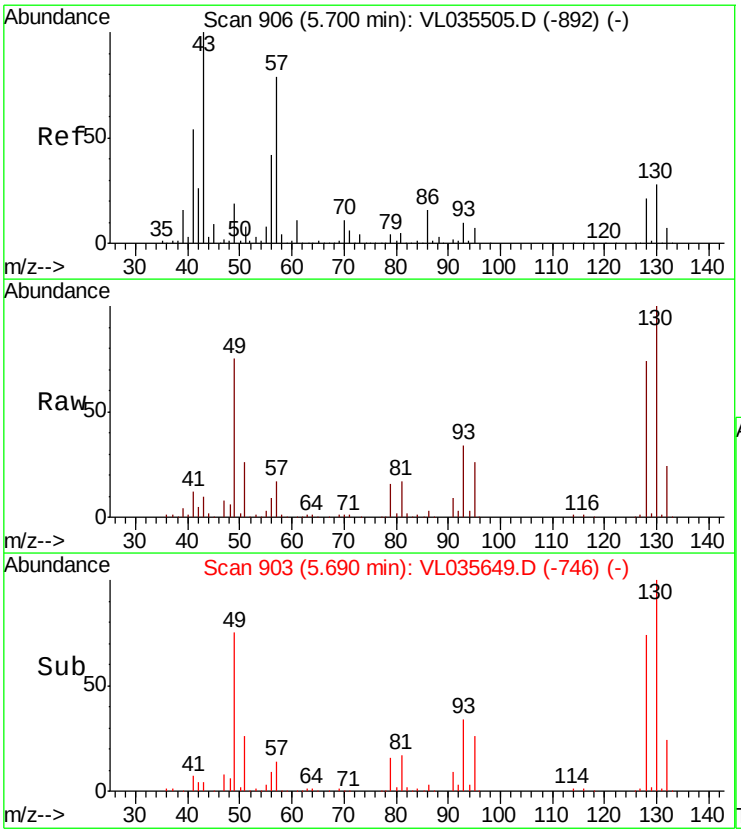
#25
Ethyl Acetate
Concen: 0.119 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion: 43 Resp: 30637

Ion	Ratio	Lower	Upper
43	100		
45	5.7	8.4	12.6#
61	0.0	10.6	16.0#
70	6.3	9.4	14.2#

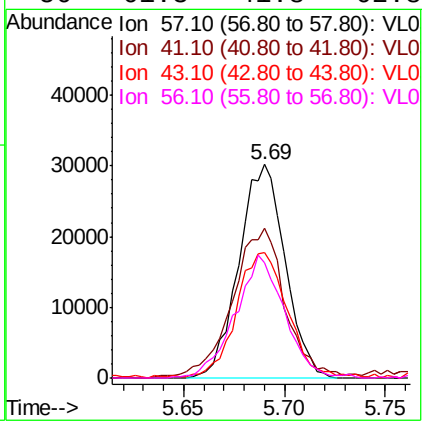


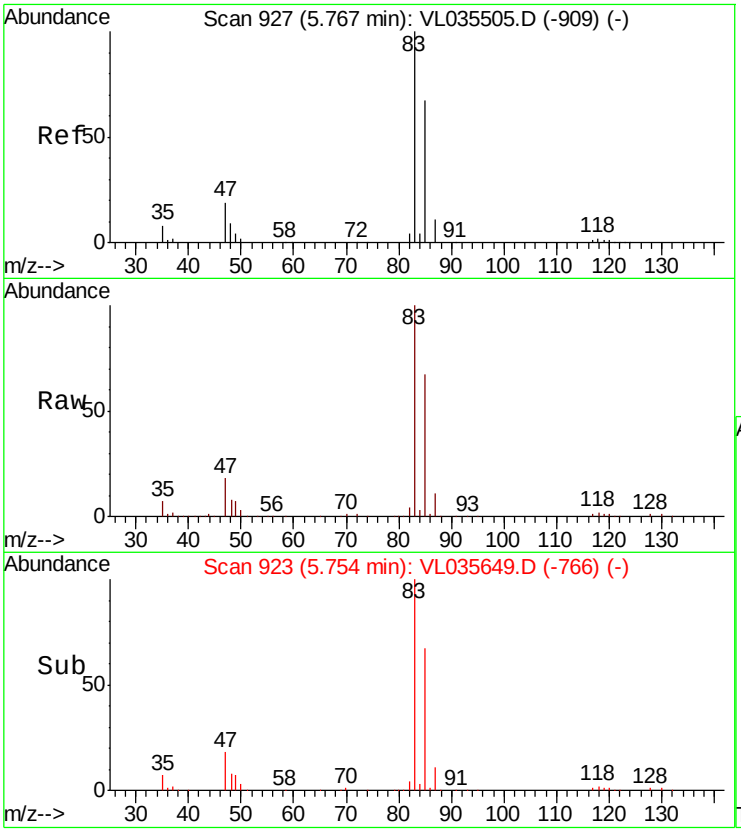


#26
Hexane
Concen: 0.332 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 57 Resp: 48503

Ion	Ratio	Lower	Upper
57	100		
41	80.6	55.9	83.9
43	64.2	141.8	212.8#
56	61.3	41.8	62.8



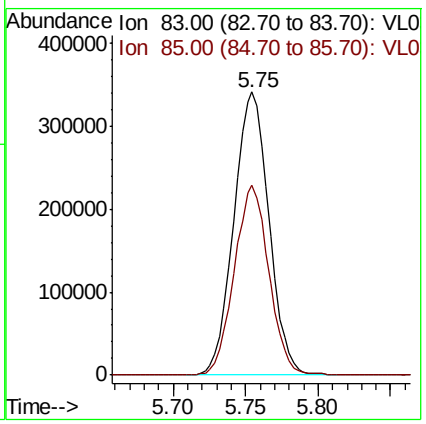


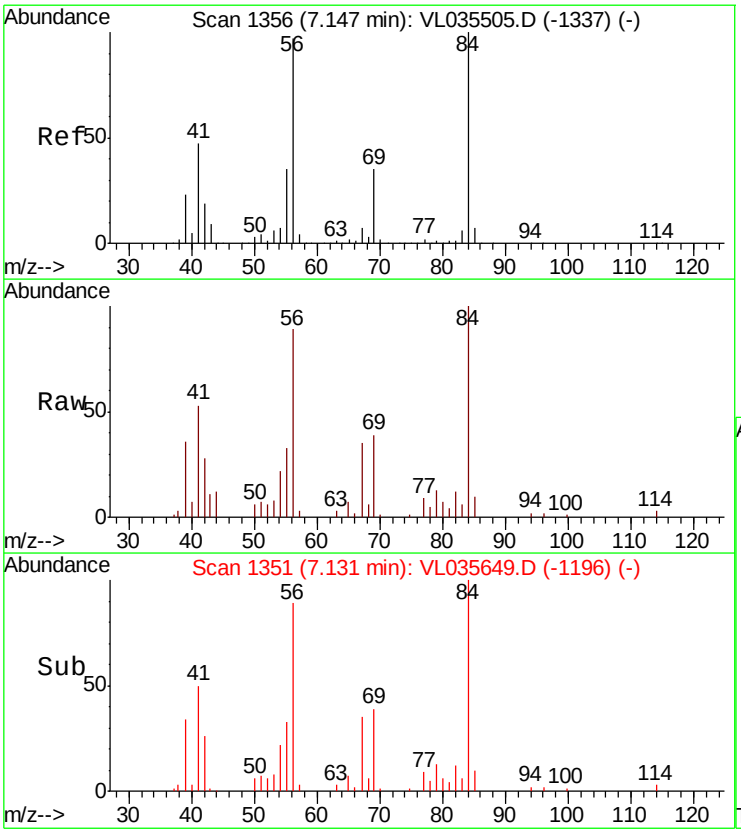
#29
Chloroform
Concen: 1.929 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument :
MSVOA_L
ClientSampleId :
SV-13

Tgt Ion: 83 Resp: 574829

Ion	Ratio	Lower	Upper
83	100		
85	67.0	53.9	80.9

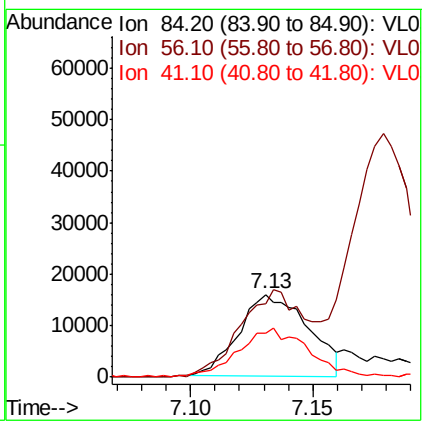


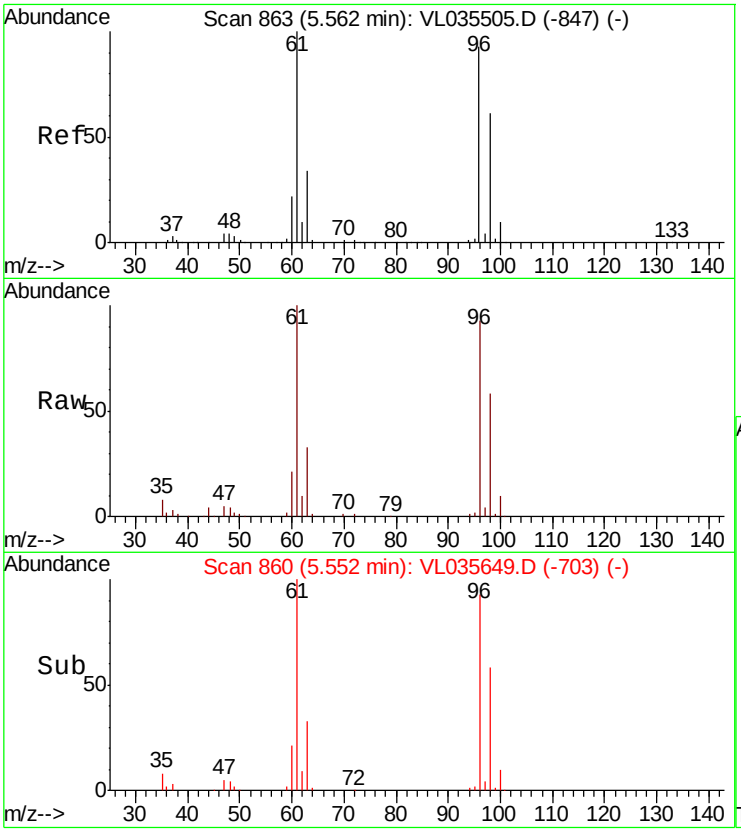


#30
Cyclohexane
Concen: 0.200 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 84 Resp: 31267

Ion	Ratio	Lower	Upper
84	100		
56	89.6	80.1	120.1
41	61.7	38.1	57.1#



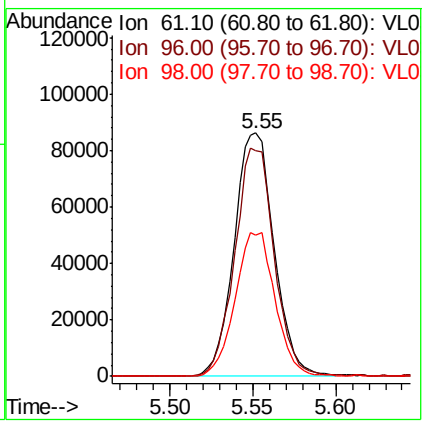


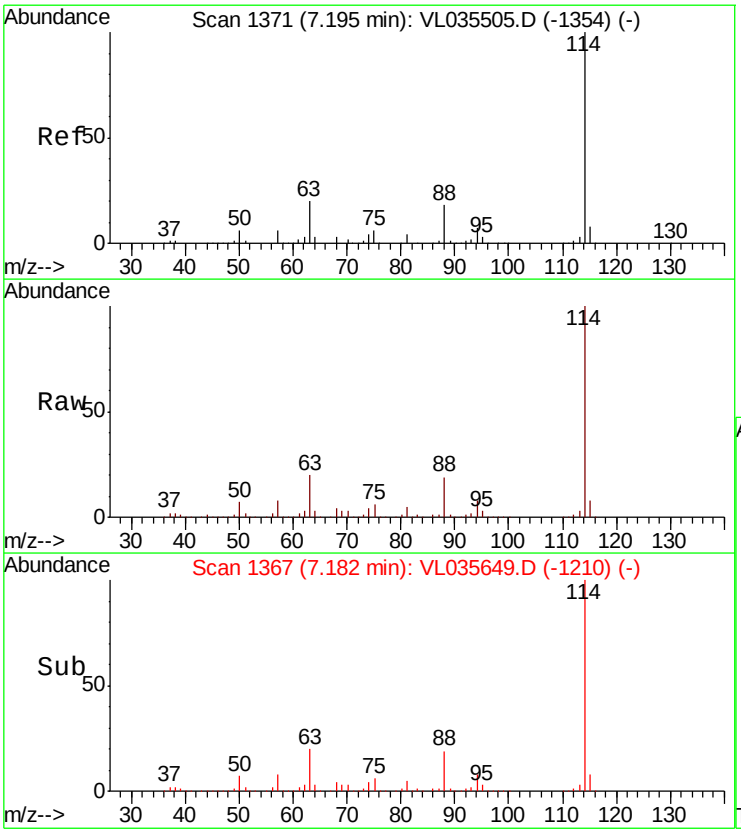
#31
cis-1,2-Dichloroethene
Concen: 0.963 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument :
MSVOA_L
ClientSampleId :
SV-13

Tgt Ion: 61 Resp: 144435

Ion	Ratio	Lower	Upper
61	100		
96	92.5	74.4	111.6
98	58.1	49.2	73.8

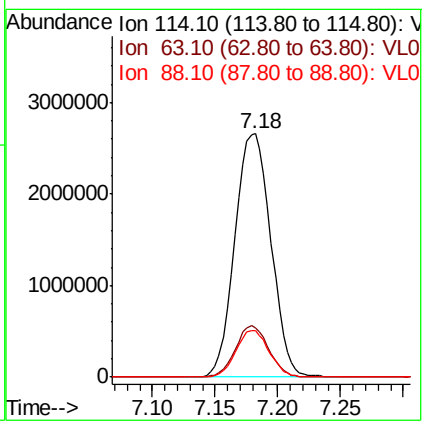


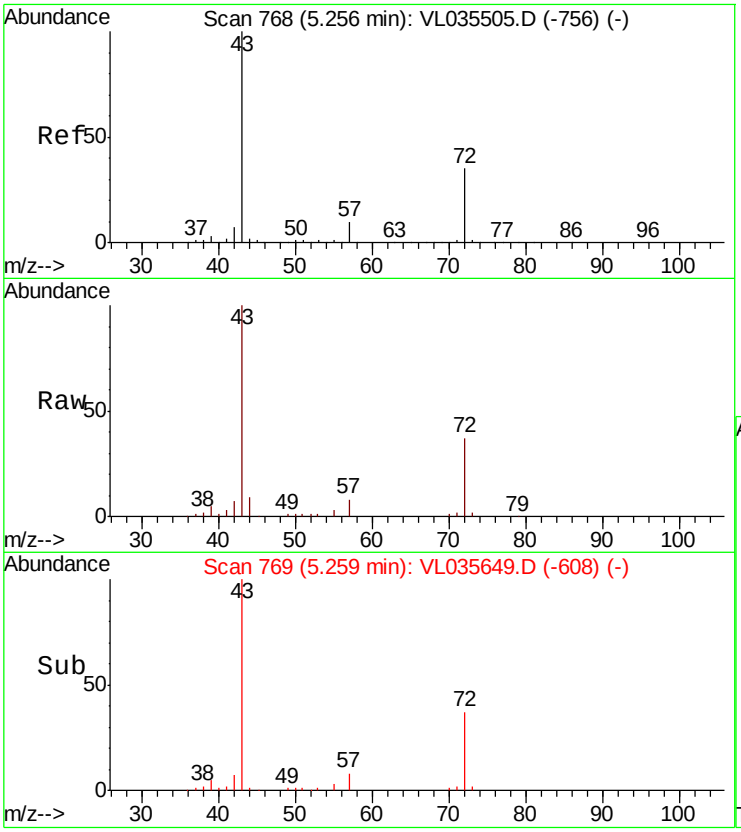


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion:114 Resp: 5301898

Ion	Ratio	Lower	Upper
114	100		
63	19.5	14.7	22.1
88	17.8	13.4	20.2



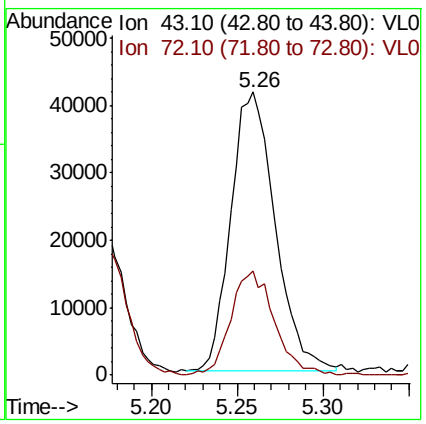


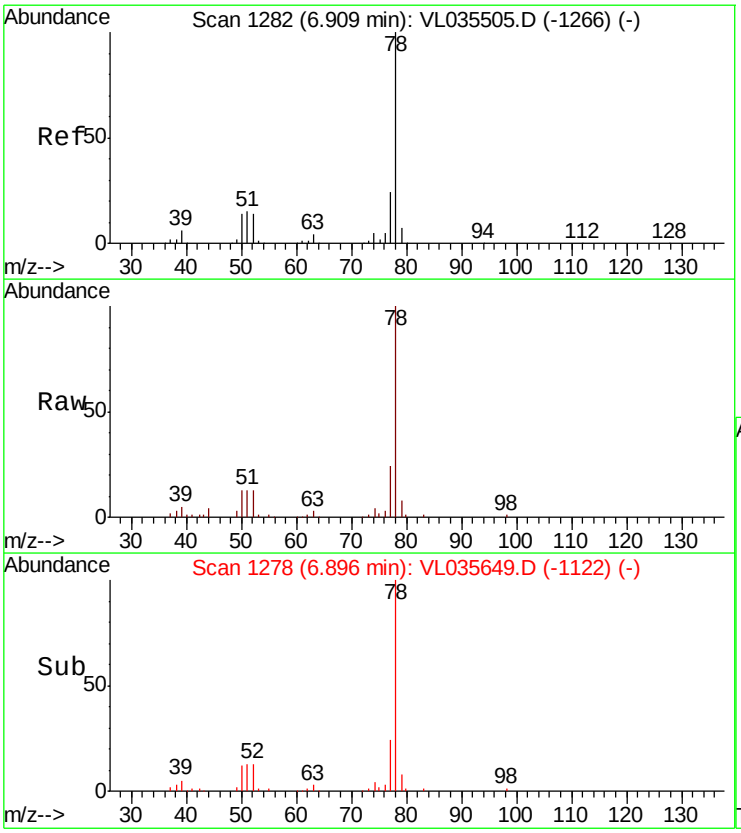
#34
2-Butanone
Concen: 0.467 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.02 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion: 43 Resp: 73549

Ion	Ratio	Lower	Upper
43	100		
72	37.1	27.7	41.5

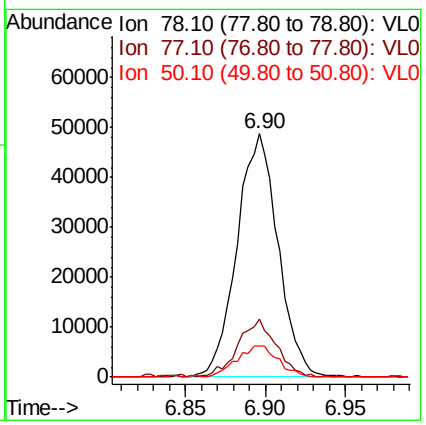


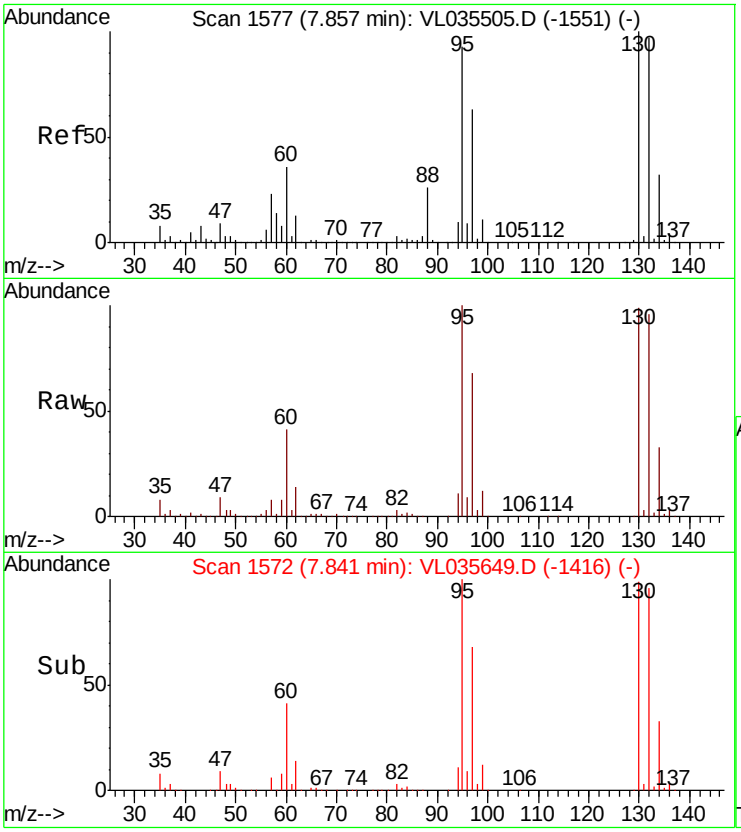


#36
Benzene
Concen: 0.248 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 78 Resp: 85247

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9
50	12.6	11.0	16.6



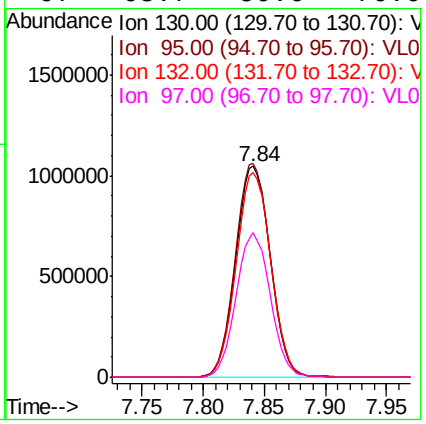


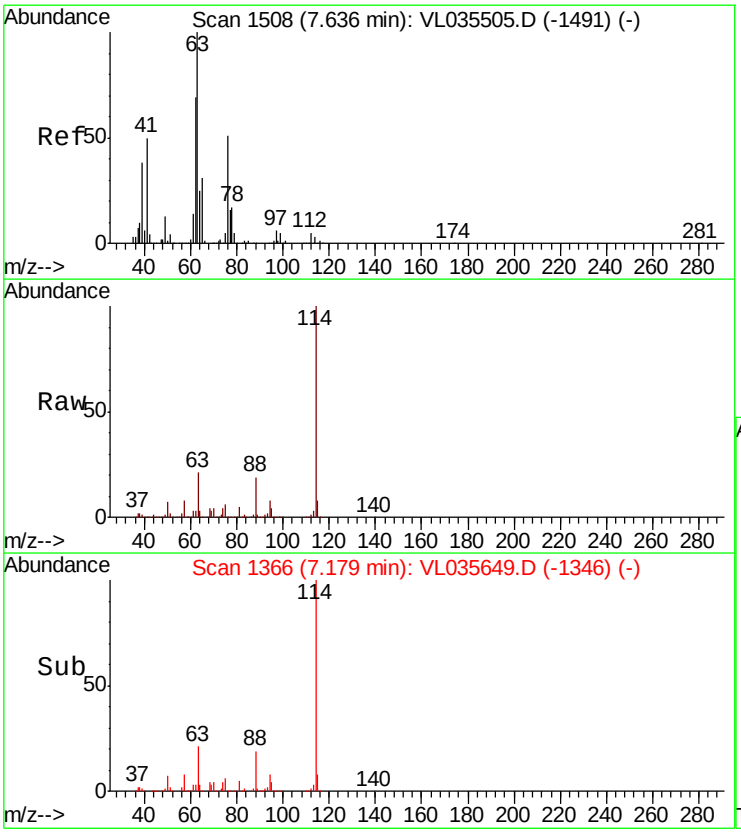
#38
Trichloroethene
Concen: 10.331 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument :
MSVOA_L
ClientSampleId :
SV-13

Tgt Ion:130 Resp: 2059468

Ion	Ratio	Lower	Upper
130	100		
95	101.1	74.6	112.0
132	97.3	77.6	116.4
97	68.7	50.6	76.0

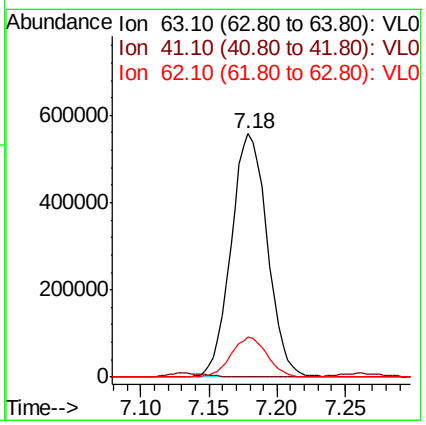


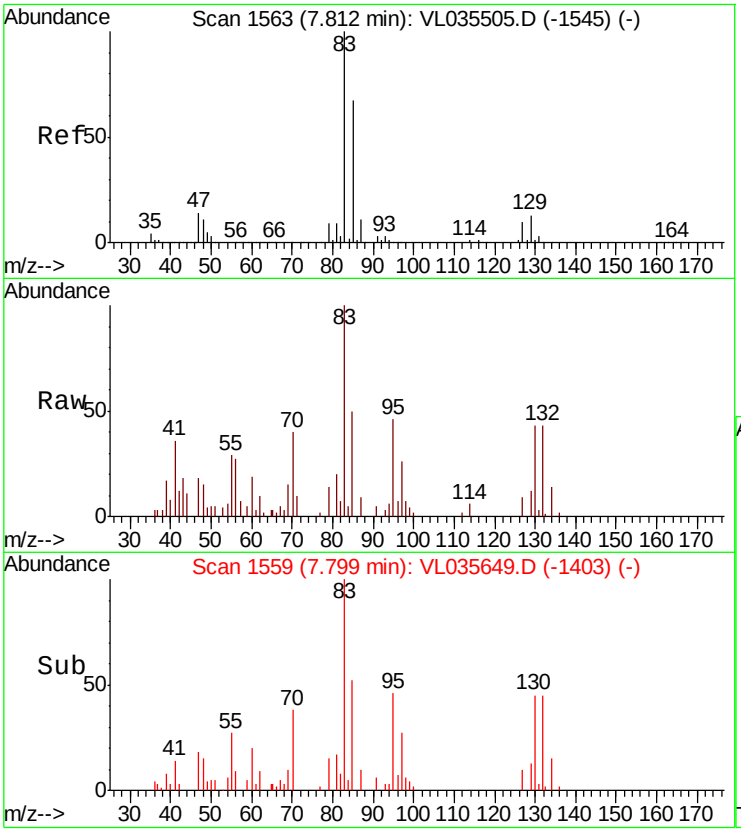


#39
1,2-Dichloropropane
Concen: 8.863 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.43 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 63 Resp: 1027550

Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	16.3	55.4	83.0#



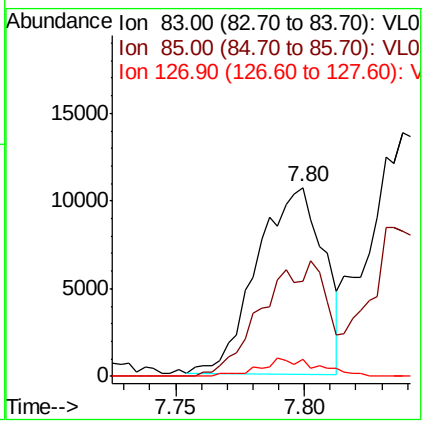


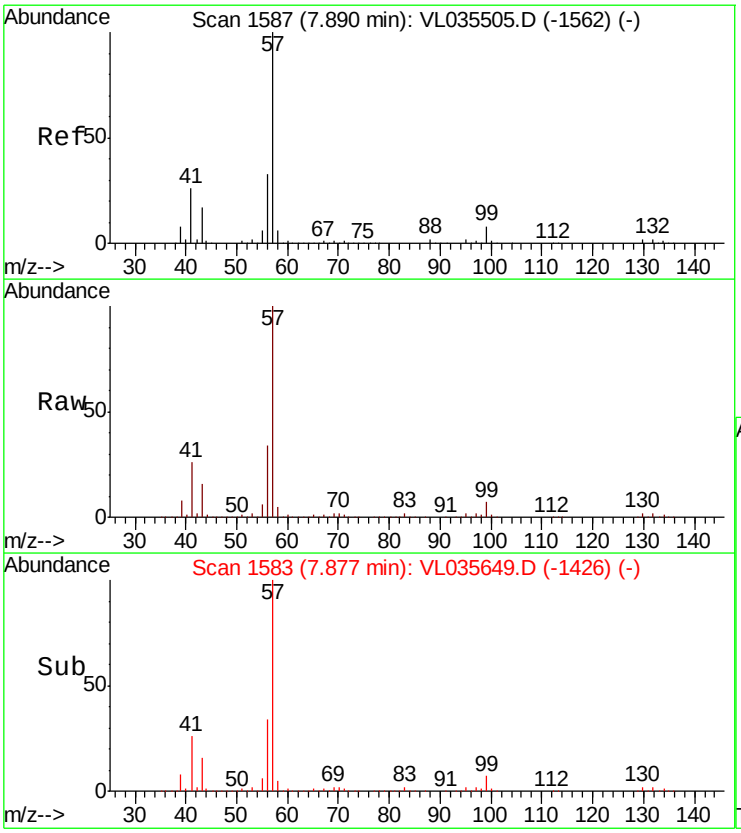
#42
Bromodichloromethane
Concen: 0.072 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument :
MSVOA_L
ClientSampleId :
SV-13

Tgt Ion: 83 Resp: 19149

Ion	Ratio	Lower	Upper
83	100		
85	51.0	53.7	80.5#
127	9.4	8.1	12.1

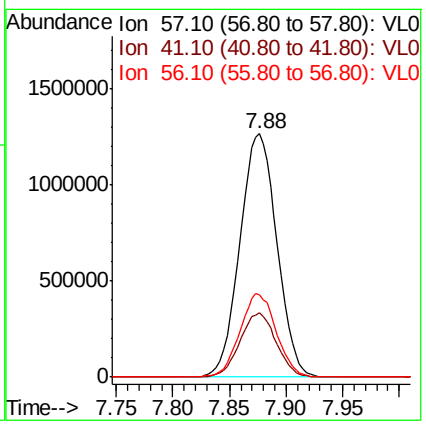


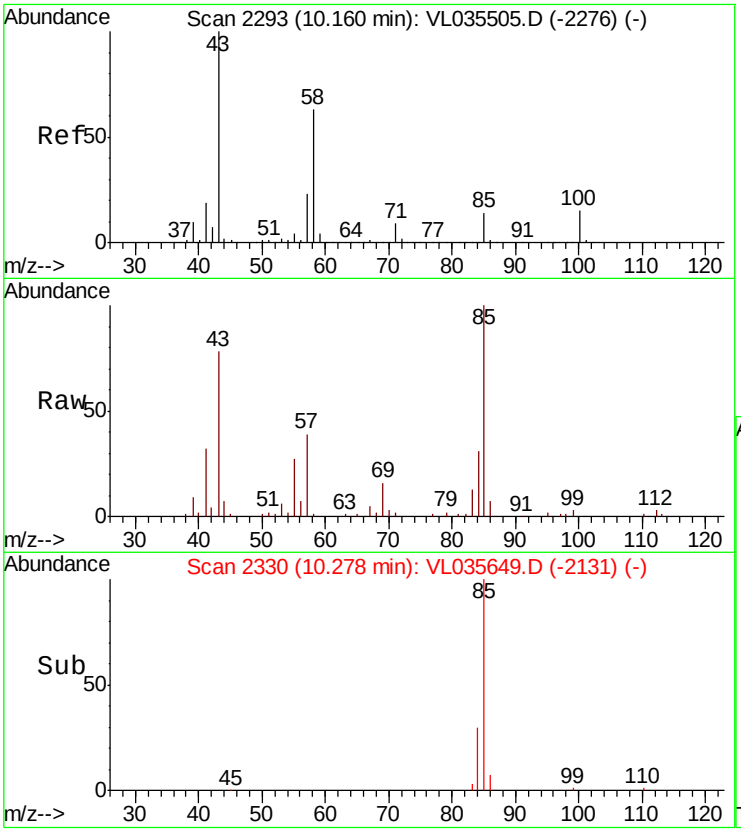


#44
2,2,4-Trimethylpentane
Concen: 6.360 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 57 Resp: 2872085

Ion	Ratio	Lower	Upper
57	100		
41	26.0	20.5	30.7
56	33.9	25.3	37.9



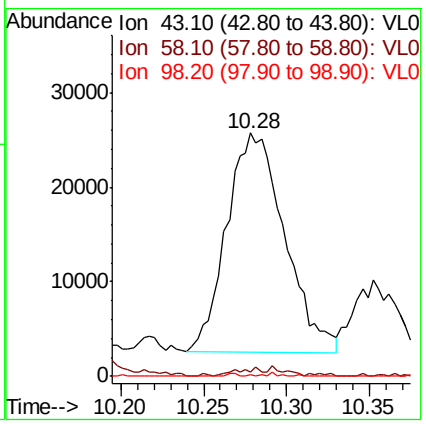


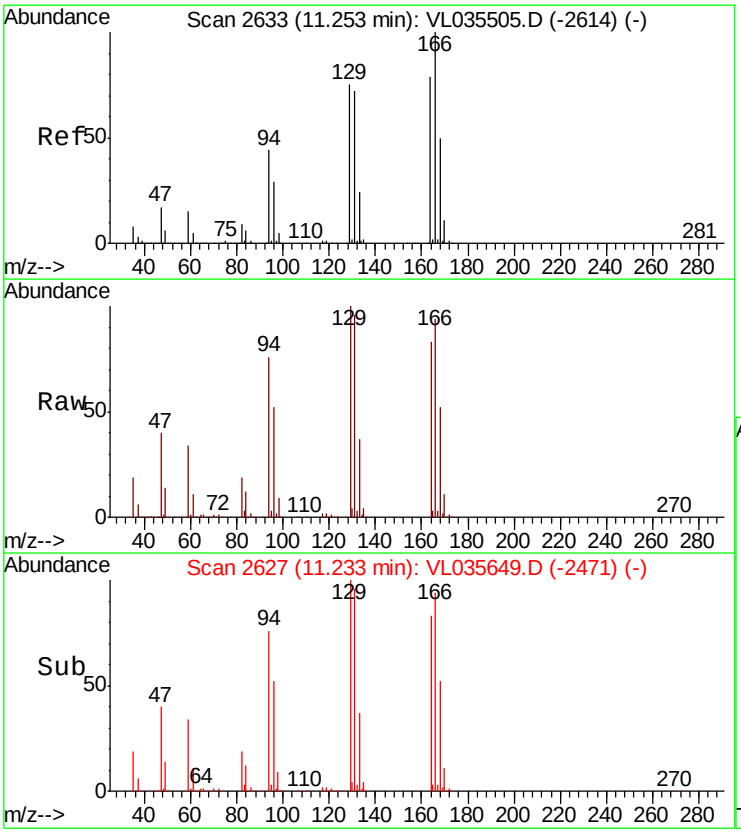
#51
2-Hexanone
Concen: 0.301 ppbv
RT: 10.28 min Scan# 2330
Delta R.T. 0.14 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion: 43 Resp: 56303

Ion	Ratio	Lower	Upper
43	100		
58	3.6	50.2	75.4#
98	0.4	0.4	0.6

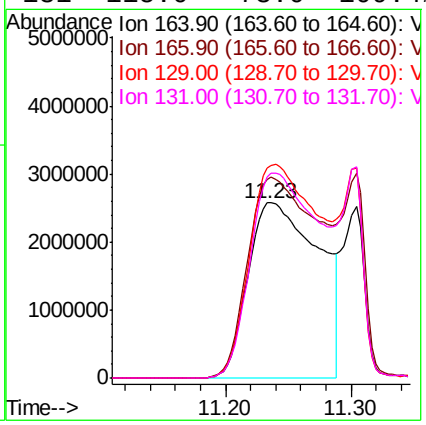


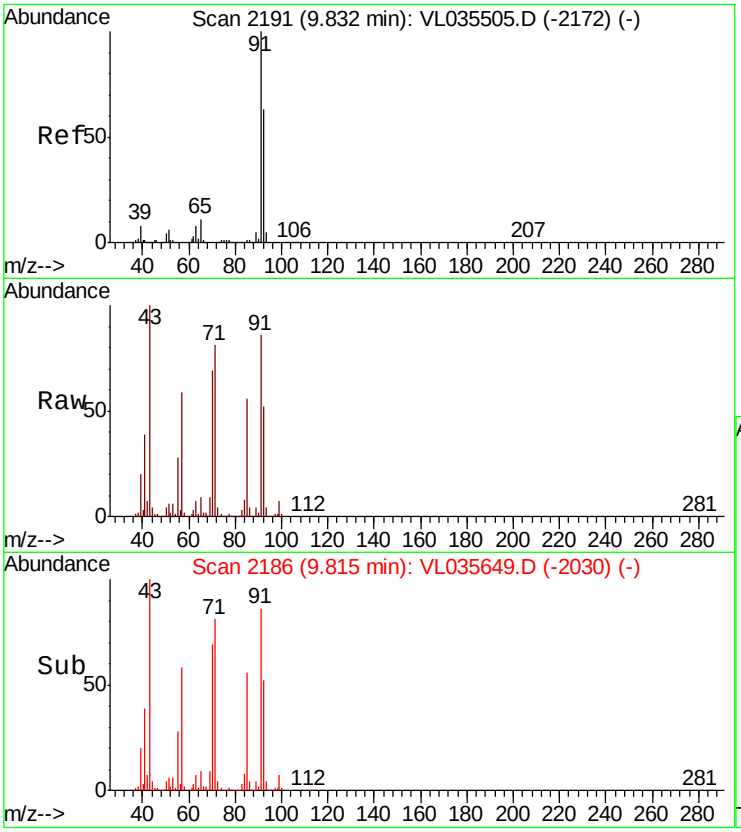


#52
Tetrachloroethene
Concen: 50.355 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion:164 Resp:10096056

Ion	Ratio	Lower	Upper
164	100		
166	113.2	100.9	151.3
129	119.9	75.3	112.9#
131	115.0	73.0	109.4#



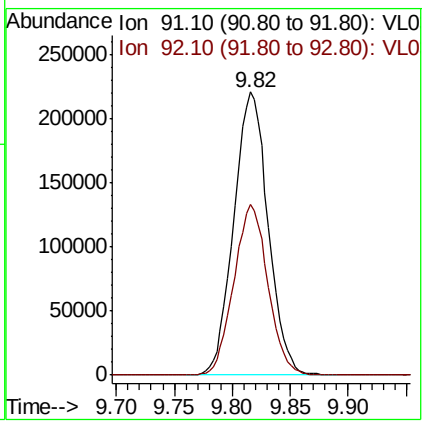


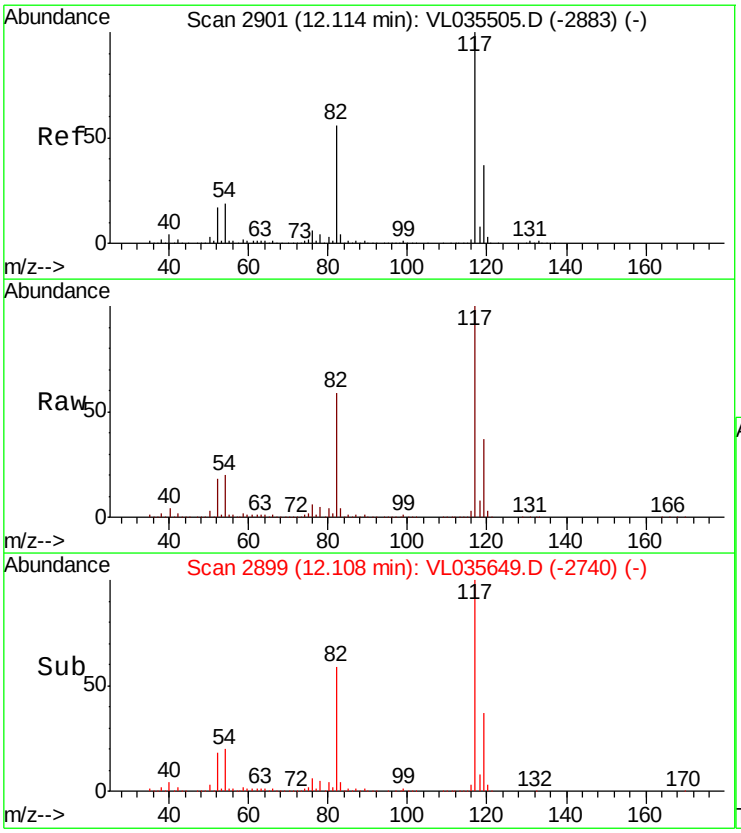
#53
Toluene
Concen: 1.050 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion: 91 Resp: 453374

Ion	Ratio	Lower	Upper
91	100		
92	59.9	49.8	74.8

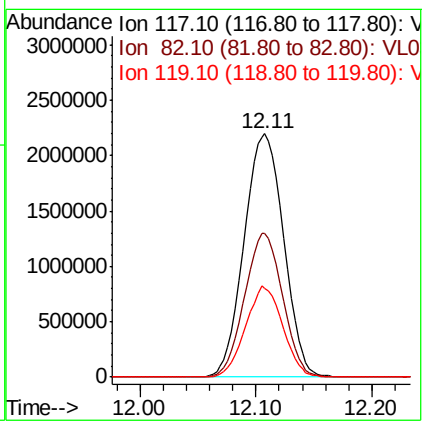


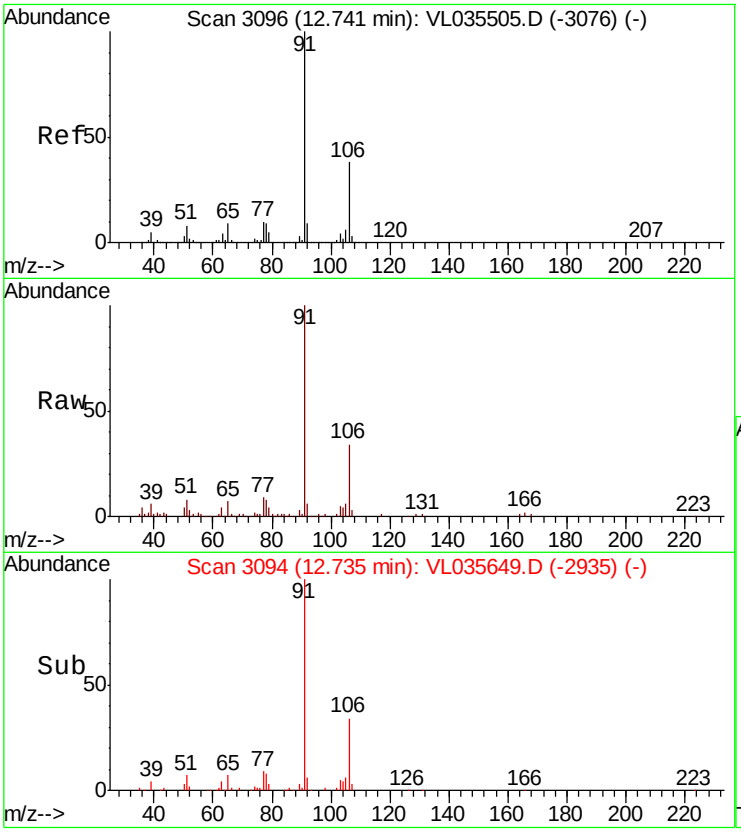


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion:117 Resp: 5212644

Ion	Ratio	Lower	Upper
117	100		
82	56.8	41.6	62.4
119	35.2	29.3	43.9



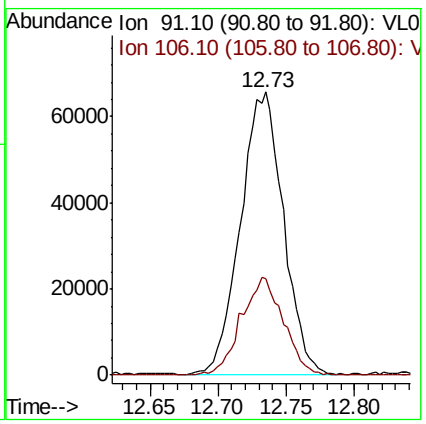


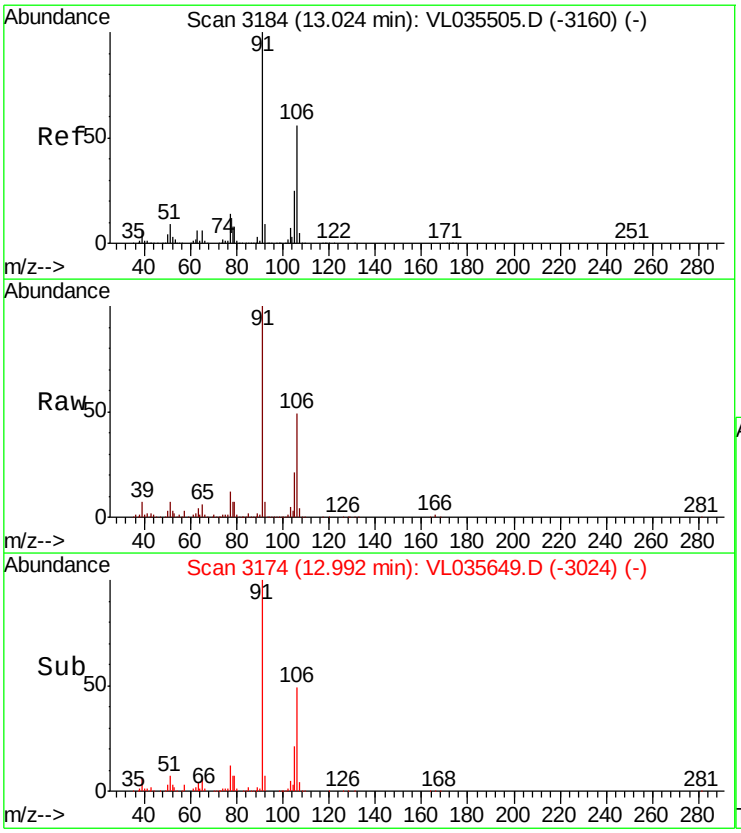
#58
Ethyl Benzene
Concen: 0.266 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion: 91 Resp: 143057

Ion	Ratio	Lower	Upper
91	100		
106	34.0	30.3	45.5

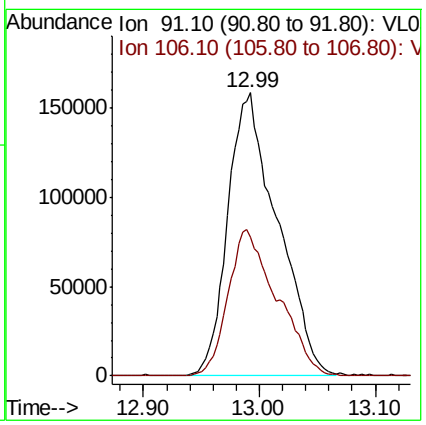


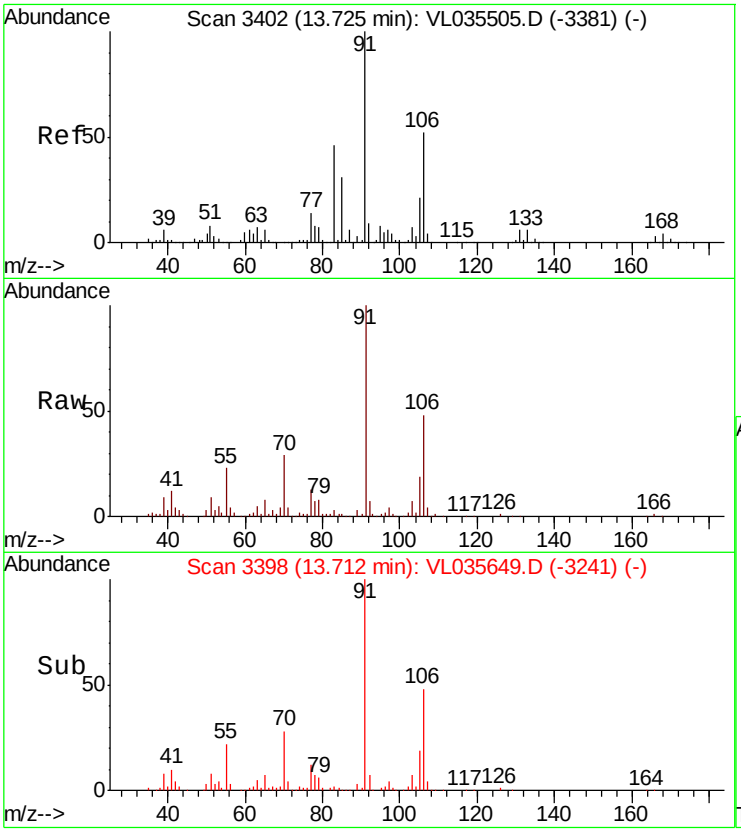


#59
m/p-Xylene
Concen: 1.036 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.02 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 91 Resp: 465541

Ion	Ratio	Lower	Upper
91	100		
106	51.5	43.4	65.2



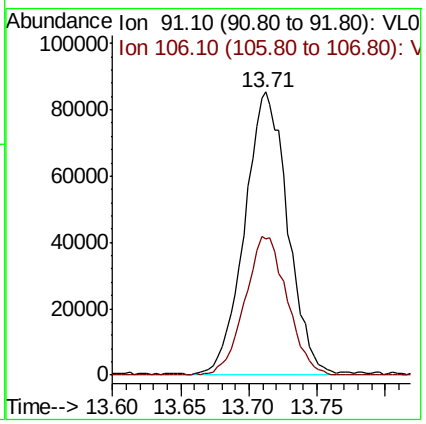


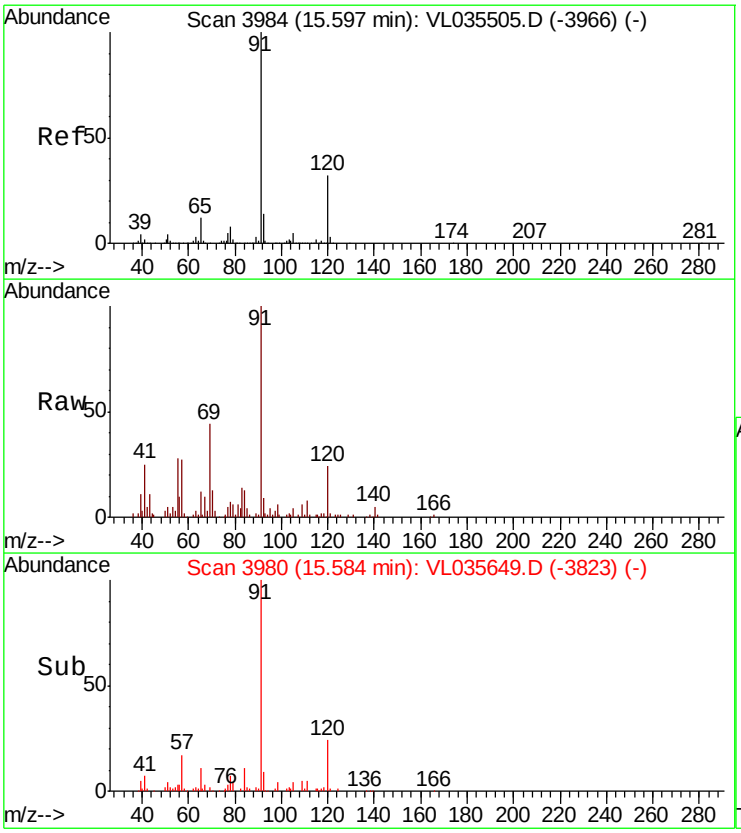
#60
o-Xylene
Concen: 0.412 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument :
MSVOA_L
ClientSampleId :
SV-13

Tgt Ion: 91 Resp: 186253

Ion	Ratio	Lower	Upper
91	100		
106	48.3	25.8	77.4

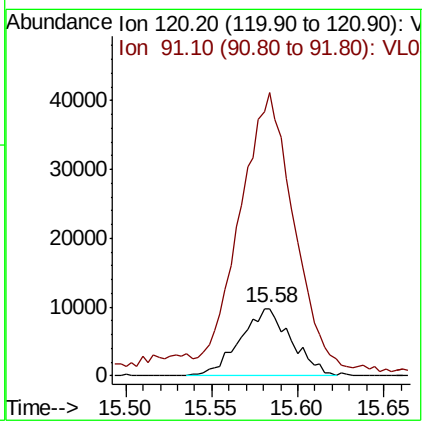


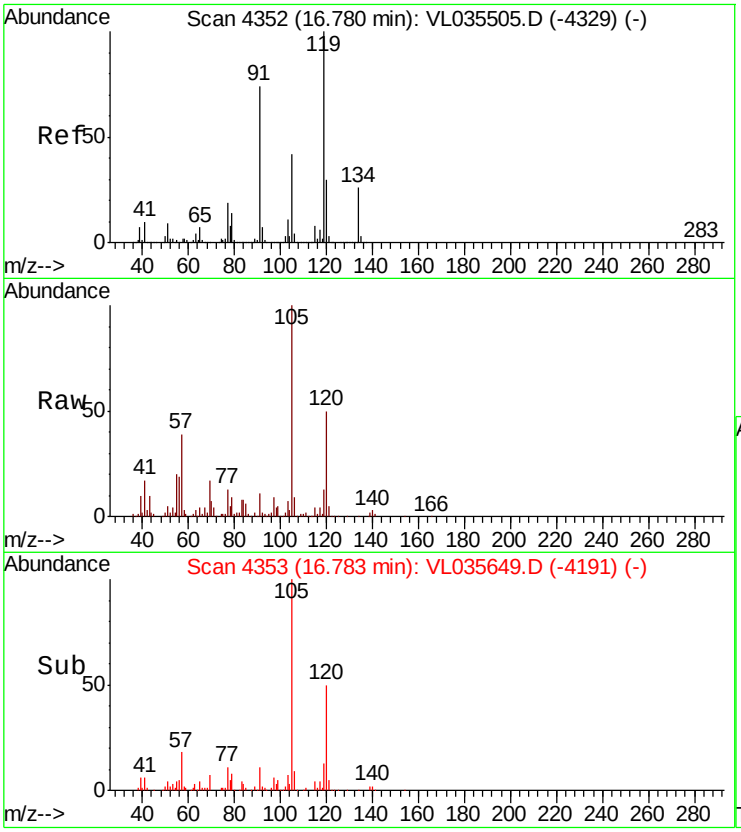


#64
n-propylbenzene
Concen: 0.092 ppbv
RT: 15.58 min Scan# 3980
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion:120 Resp: 20297

Ion	Ratio	Lower	Upper
120	100		
91	469.9	279.4	419.0#



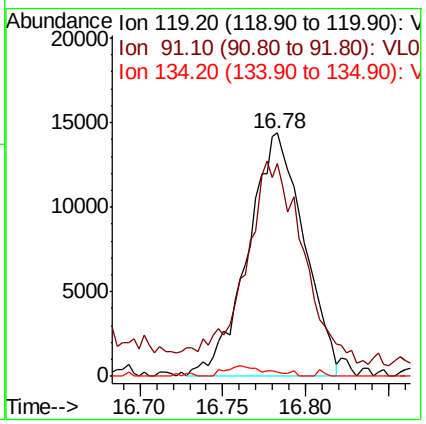


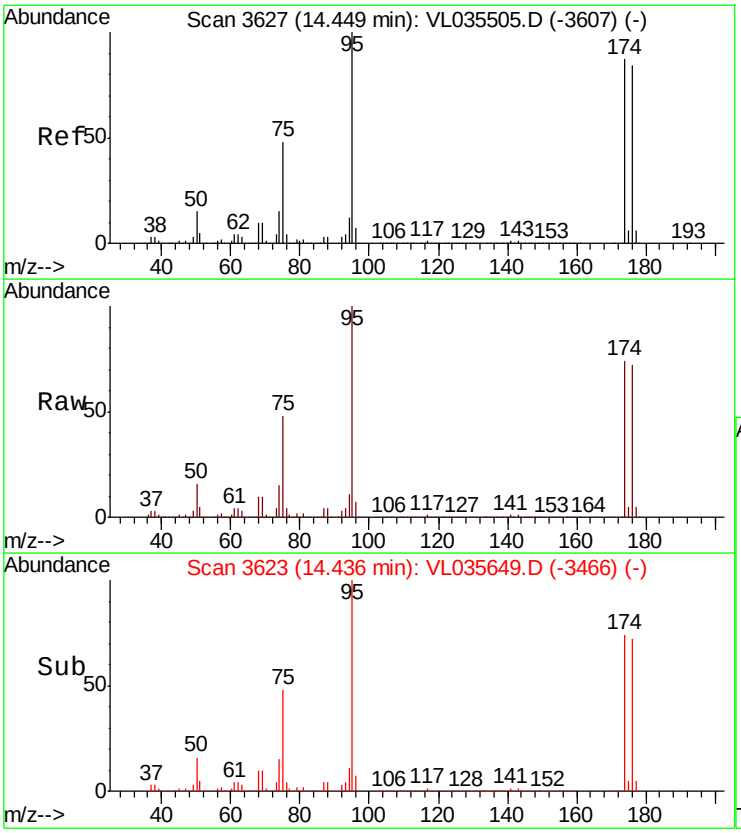
#65
tert-Butylbenzene
Concen: 0.050 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. 0.02 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion:119 Resp: 33771

Ion	Ratio	Lower	Upper
119	100		
91	87.7	58.6	87.8
134	3.5	18.9	28.3#

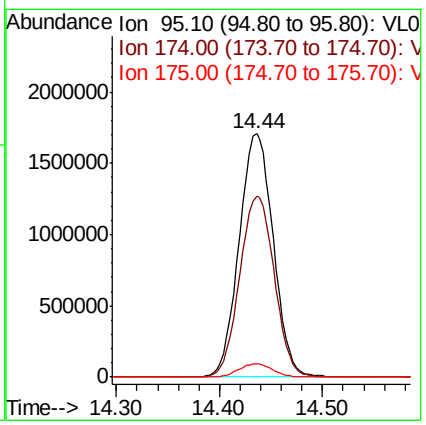


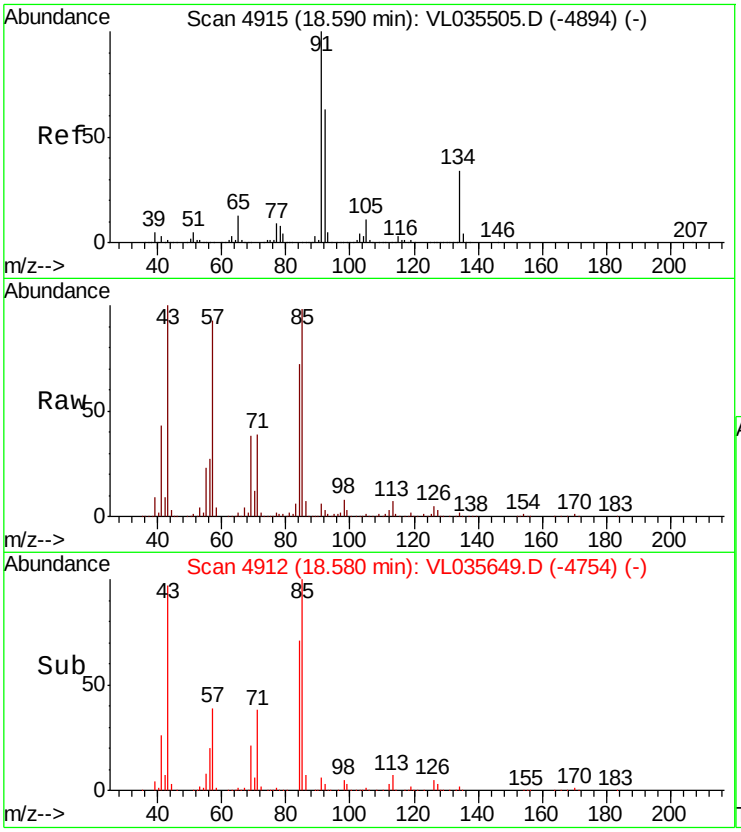


#68
1-Bromo-4-Fluorobenzene
Concen: 10.605 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion: 95 Resp: 3925883

Ion	Ratio	Lower	Upper
95	100		
174	75.8	69.6	104.4
175	5.5	5.1	7.7



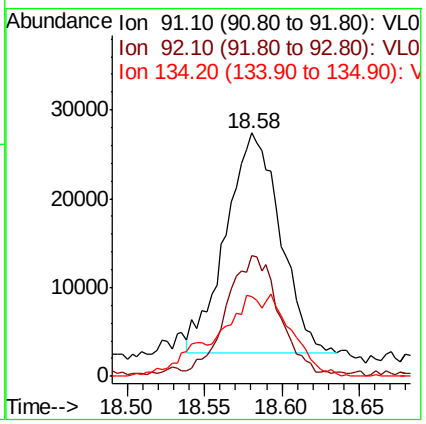


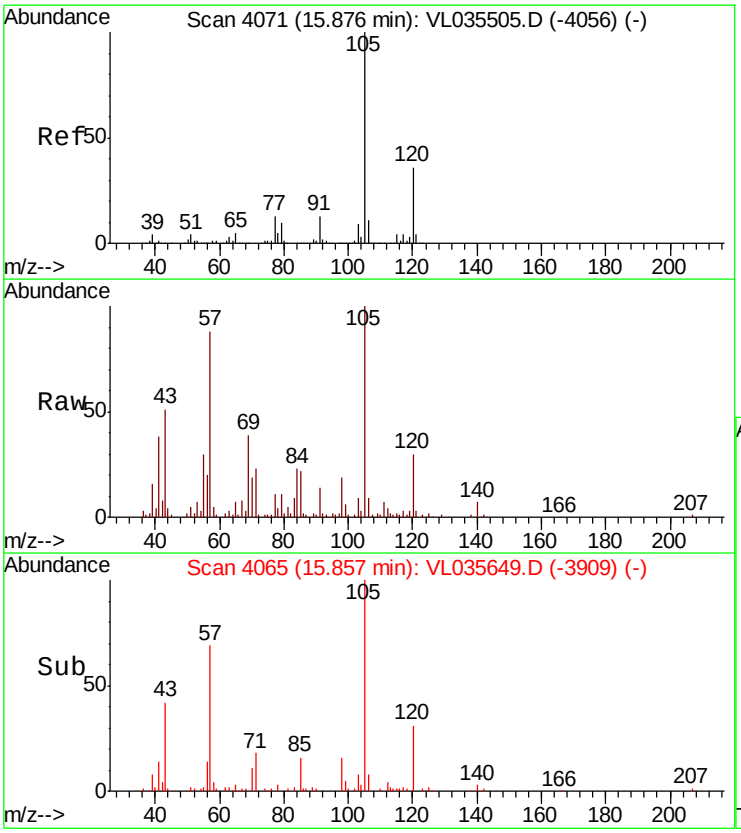
#70
n-Butylbenzene
Concen: 0.080 ppbv
RT: 18.58 min Scan# 4912
Delta R.T. 0.01 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument : MSVOA_L
ClientSampleId : SV-13

Tgt Ion: 91 Resp: 60545

Ion	Ratio	Lower	Upper
91	100		
92	53.2	47.3	70.9
134	51.3	24.6	37.0#

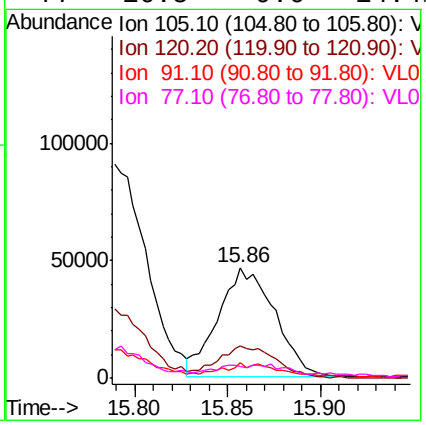


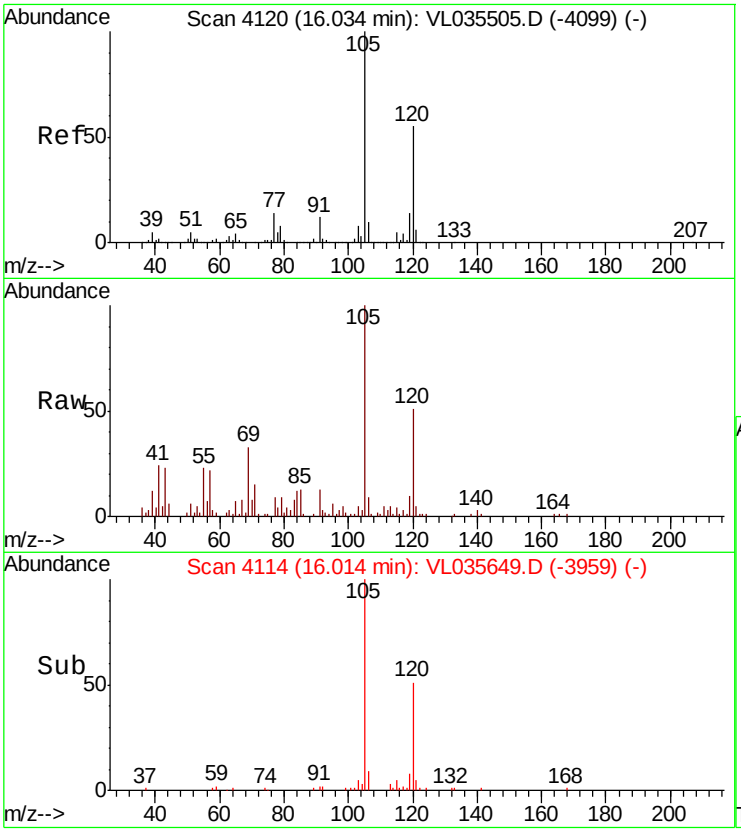


#72
4-Ethyltoluene
Concen: 0.170 ppbv
RT: 15.86 min Scan# 4065
Delta R.T. 0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion:105 Resp: 97740

Ion	Ratio	Lower	Upper
105	100		
120	29.7	27.4	41.2
91	11.8	9.7	14.5
77	16.5	9.6	14.4#



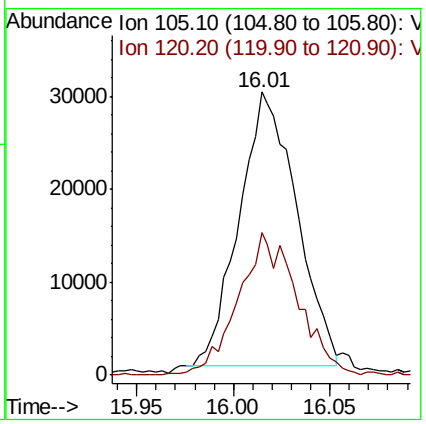


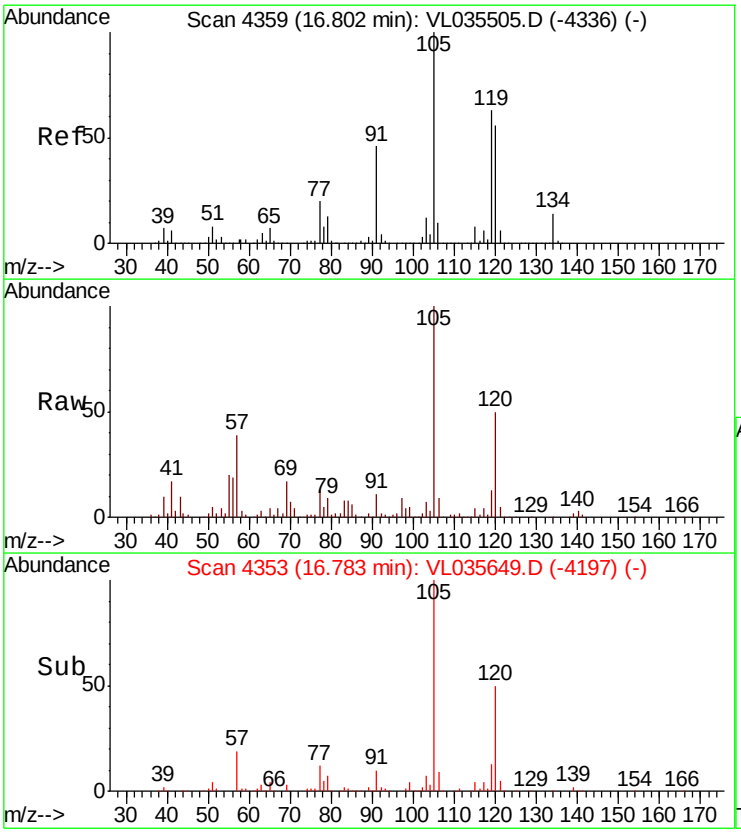
#73
1,3,5-Trimethylbenzene
Concen: 0.115 ppbv
RT: 16.01 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Instrument :
MSVOA_L
ClientSampleId :
SV-13

Tgt Ion:105 Resp: 61064

Ion	Ratio	Lower	Upper
105	100		
120	50.9	44.2	66.2





#74
1,2,4-Trimethylbenzene
Concen: 0.435 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. 0.00 min
Lab File: VL035649.D
Acq: 17 Sep 2020 4:52

Tgt Ion:105 Resp: 254202

Ion	Ratio	Lower	Upper
105	100		
120	50.3	44.4	66.6
91	10.5	37.1	55.7#
77	11.7	16.0	24.0#