Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051420\
Data File : VL035024.D
Acq On : 14 May 2020 17:44
Operator : SY/AP
Sample : L2566-01DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 15 01:09:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1236843	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.17	114	2847917	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.10	117	2684865	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	2298059	10.57	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.70%				
Target Compounds							Qvalue
9) Propene	2.97	41	19150	0.313	ppbv		91
10) Heptane	8.11	43	37288	0.243	ppbv		94
13) Ethanol	3.57	45	110629	5.471	ppbv		98
15) Acetone	3.82	43	244084	1.493	ppbv	#	88
17) tert-Butyl alcohol	4.28	59	18041	0.124	ppbv	#	71
19) Isopropyl Alcohol	3.94	45	312774	2.868	ppbv	#	98
20) Methylene Chloride	4.31	84	11532	0.213	ppbv	#	86
23) Vinyl Acetate	5.02	43	56466	0.272	ppbv	#	1
25) Ethyl Acetate	5.66	43	121563	0.443	ppbv		96
26) Hexane	5.67	57	73954	0.621	ppbv	#	76
30) Cyclohexane	7.12	84	23567	0.256	ppbv	#	80
31) cis-1,2-Dichloroethene	5.53	61	97222	0.837	ppbv		96
34) 2-Butanone	5.23	43	19850	0.112	ppbv	#	90
36) Benzene	6.88	78	16742	0.071	ppbv	#	87
38) Trichloroethene	7.83	130	153910	1.692	ppbv		94
39) 1,2-Dichloropropane	7.17	63	780401	8.291	ppbv	#	25
41) Tetrahydrofuran	6.05	42	3239	0.035	ppbv	#	13
44) 2,2,4-Trimethylpentane	7.86	57	547447	1.311	ppbv		97
52) Tetrachloroethene	11.23	164	406474	4.869	ppbv		97
53) Toluene	9.81	91	995477	3.999	ppbv		99
58) Ethyl Benzene	12.72	91	75801	0.228	ppbv		92
59) m/p-Xylene	13.01	91	52585	0.180	ppbv	#	8
60) o-Xylene	13.71	91	33114	0.115	ppbv	#	32
61) Styrene	13.55	104	10465	0.057	ppbv	#	1

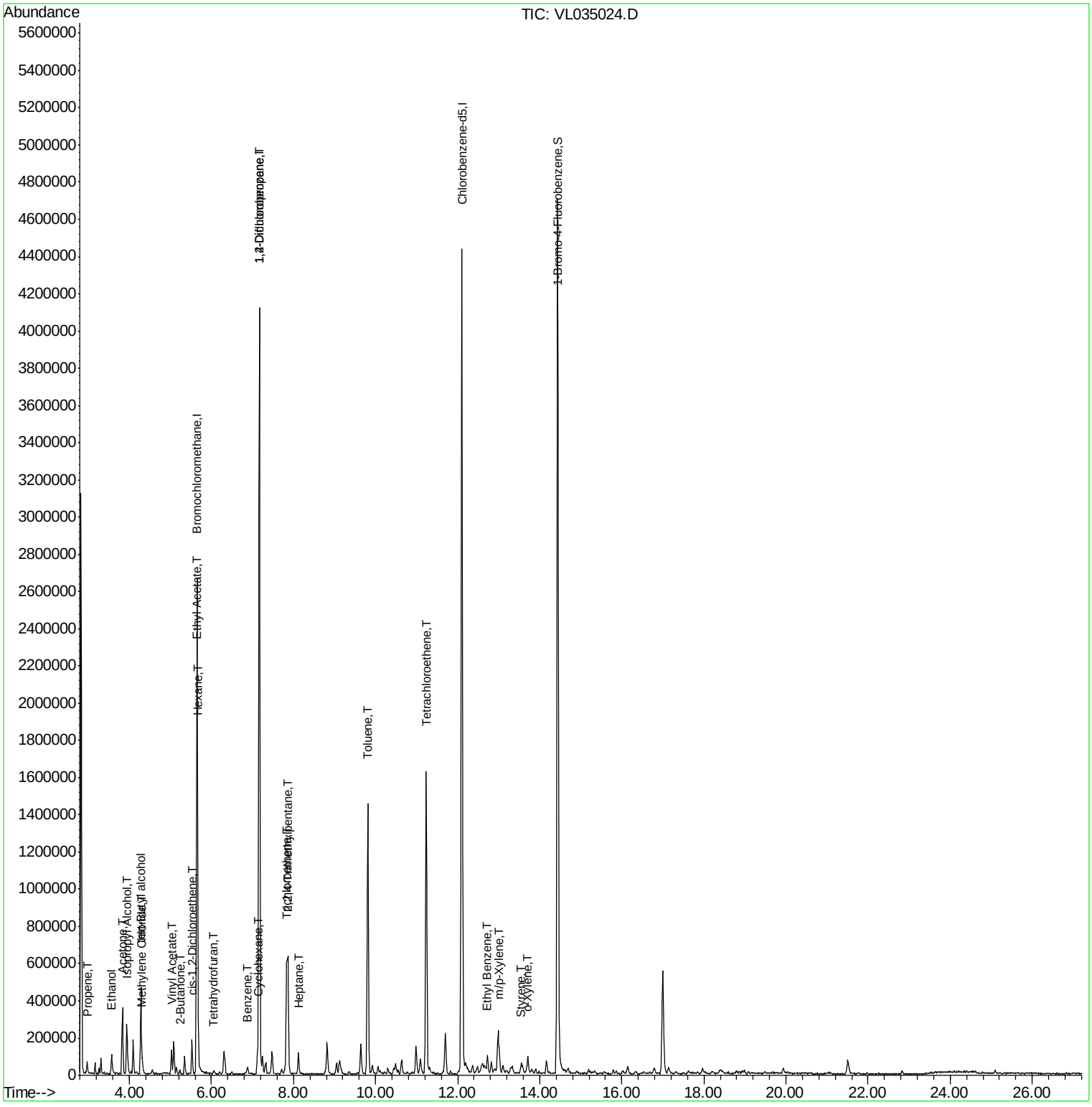
(#) = qualifier out of range (m) = manual integration (+) = signals summed

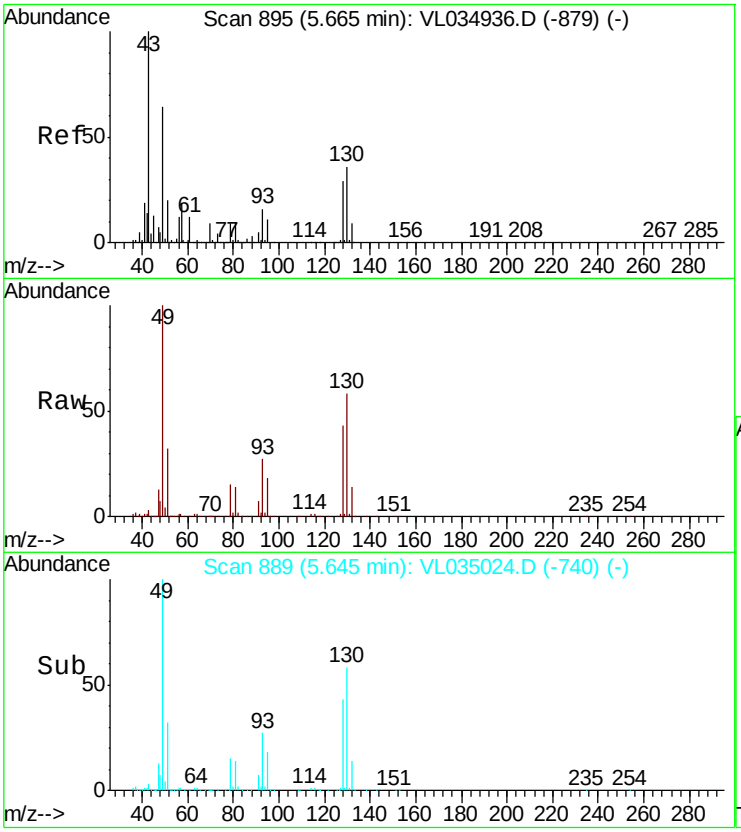
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051420\
Data File : VL035024.D
Acq On : 14 May 2020 17:44
Operator : SY/AP
Sample : L2566-01DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 15 01:09:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration



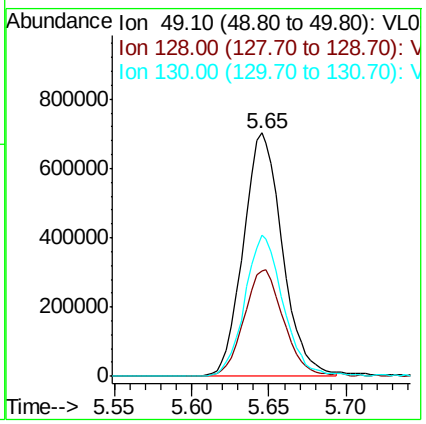


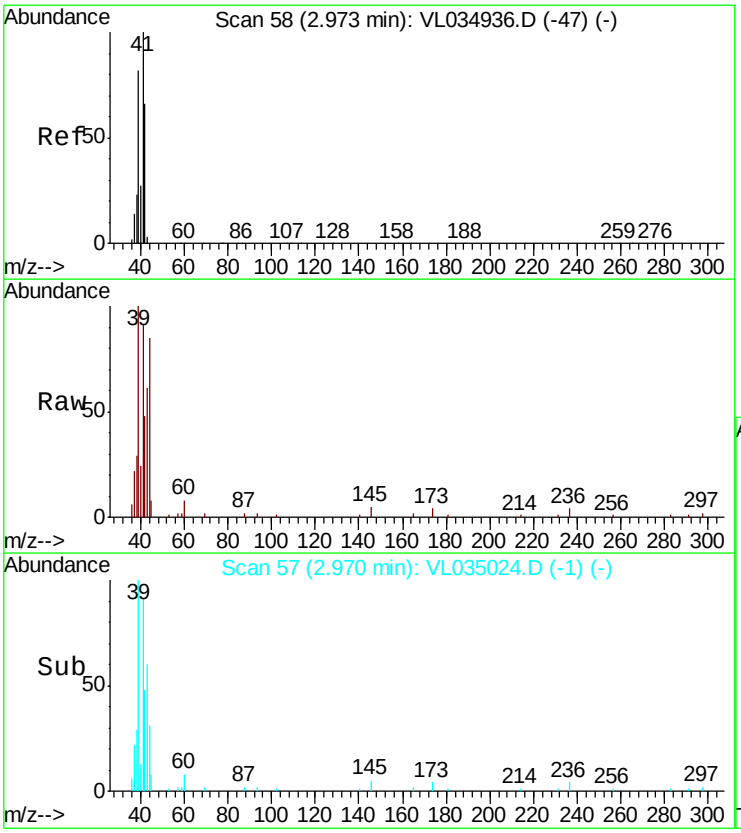
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1236843

Ion	Ratio	Lower	Upper
49	100		
128	44.5	22.1	66.5
130	57.7	29.1	87.3

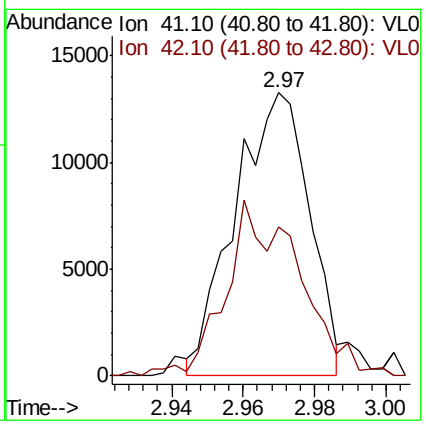


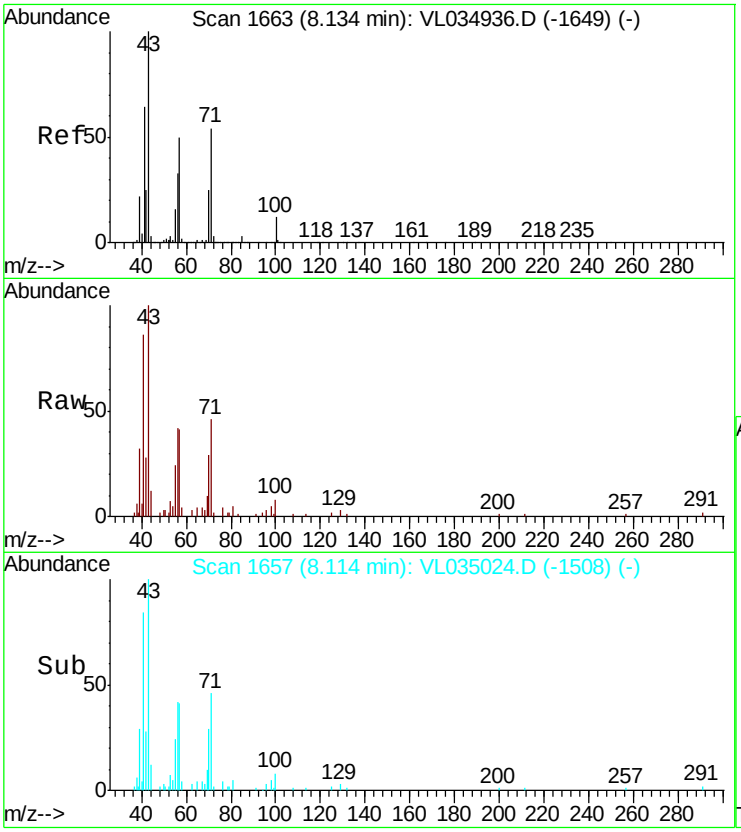


#9
Propene
Concen: 0.313 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.00 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 41 Resp: 19150

Ion	Ratio	Lower	Upper
41	100		
42	61.1	54.5	81.7



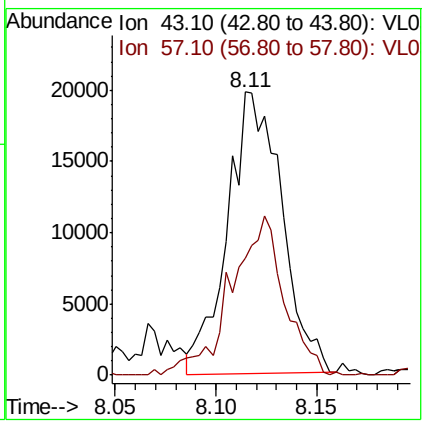


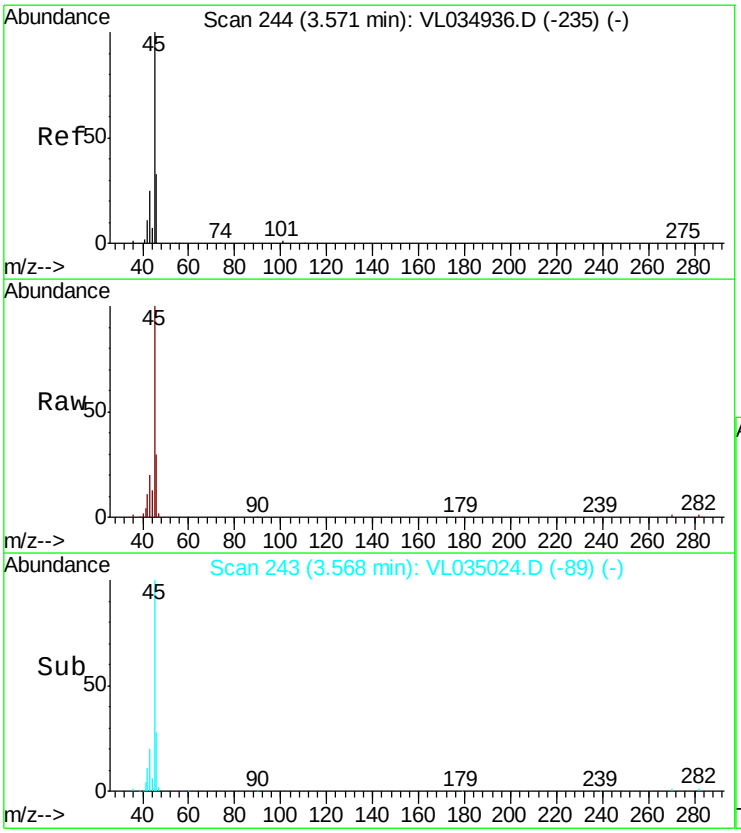
#10
Heptane
Concen: 0.243 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 37288

Ion	Ratio	Lower	Upper
43	100		
57	55.3	41.1	61.7

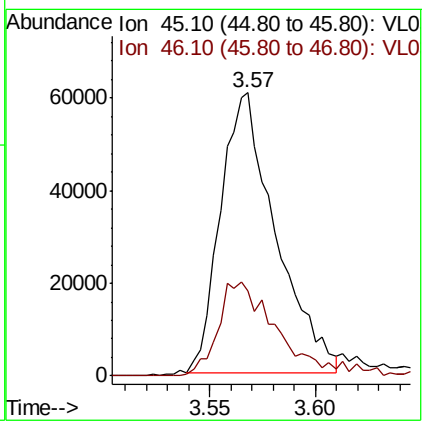


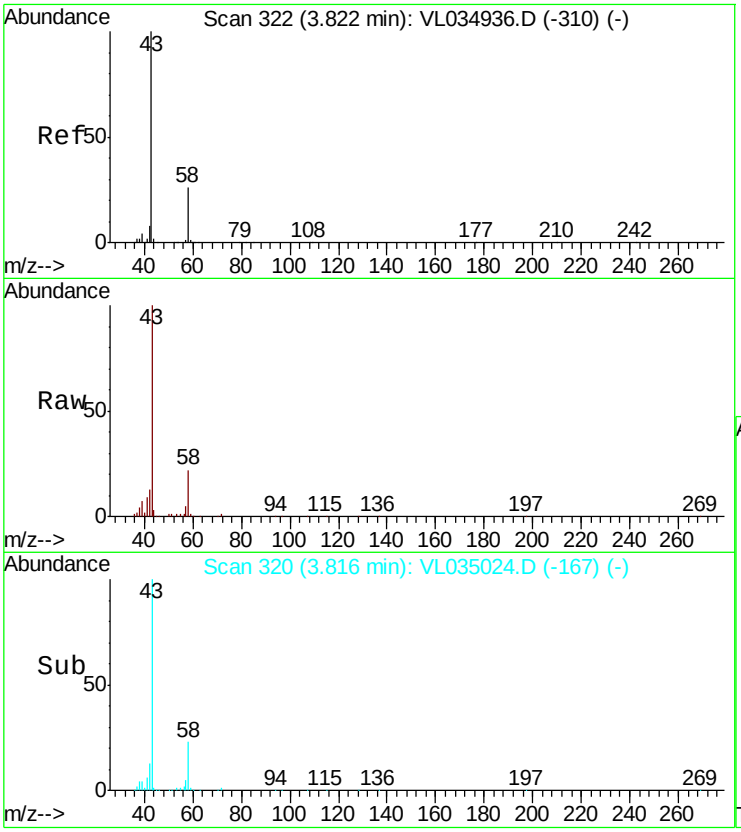


#13
Ethanol
Concen: 5.471 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 45 Resp: 110629

Ion	Ratio	Lower	Upper
45	100		
46	37.2	14.3	57.3



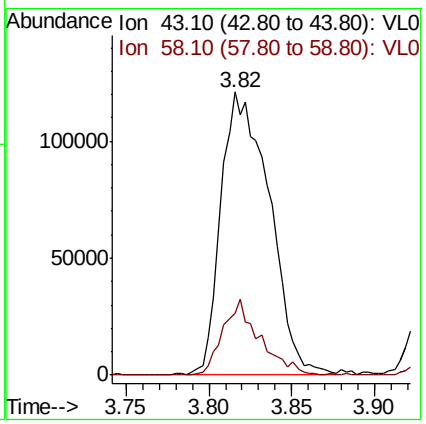


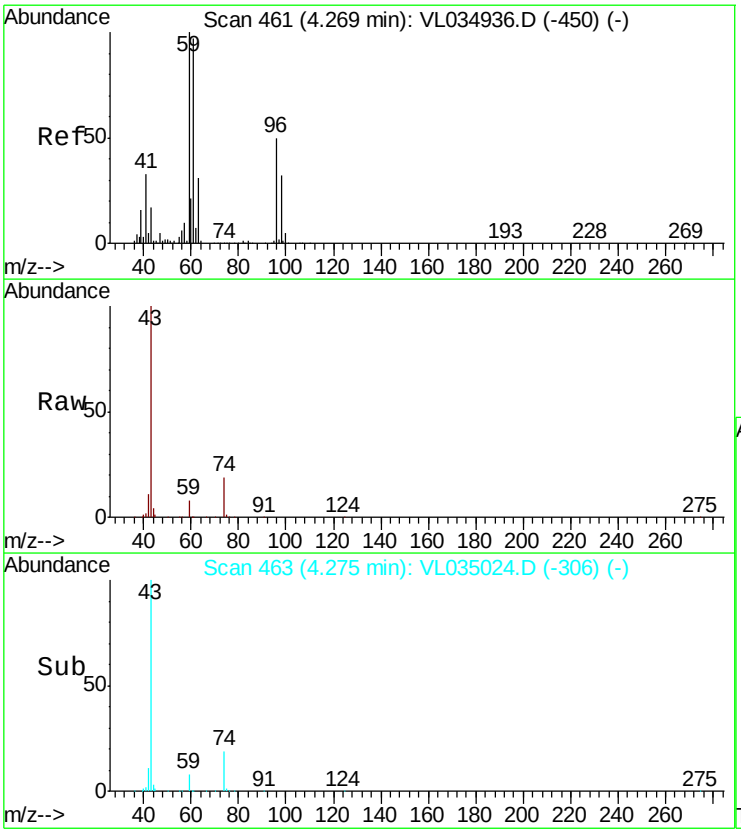
#15
Acetone
Concen: 1.493 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.01 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 244084

Ion	Ratio	Lower	Upper
43	100		
58	20.8	21.7	32.5#

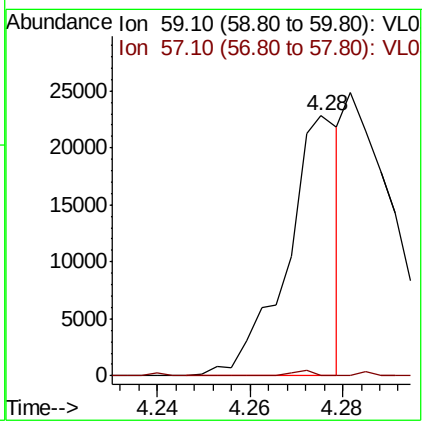


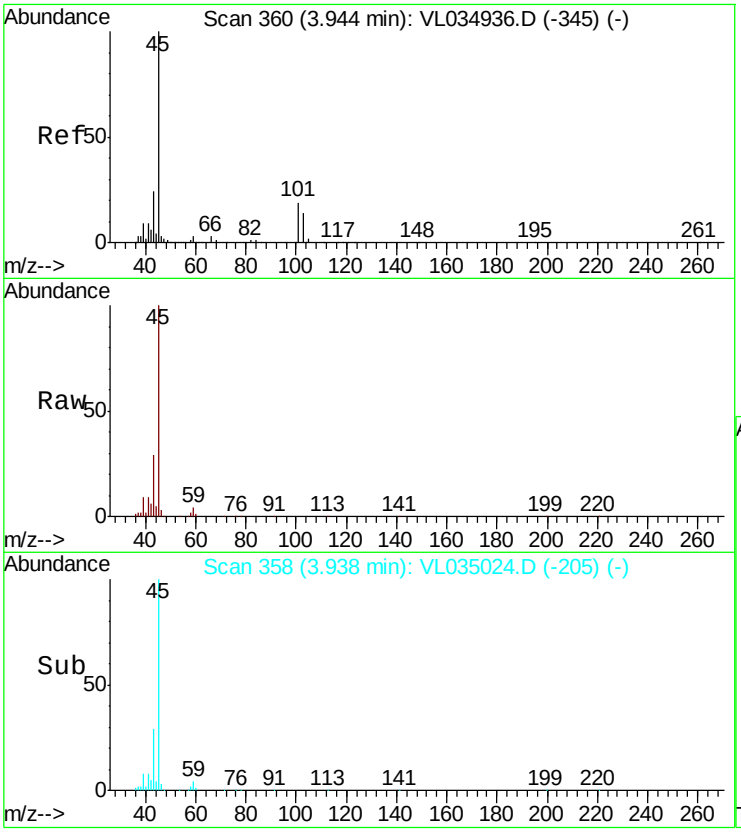


#17
tert-Butyl alcohol
Concen: 0.124 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 59 Resp: 18041

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



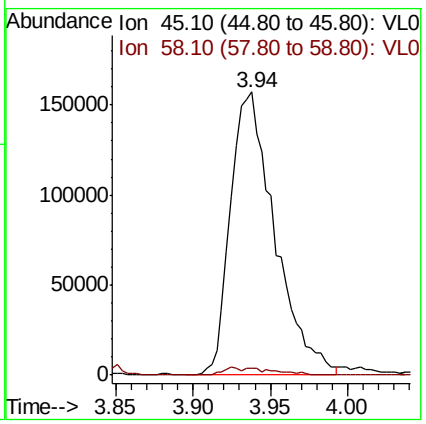


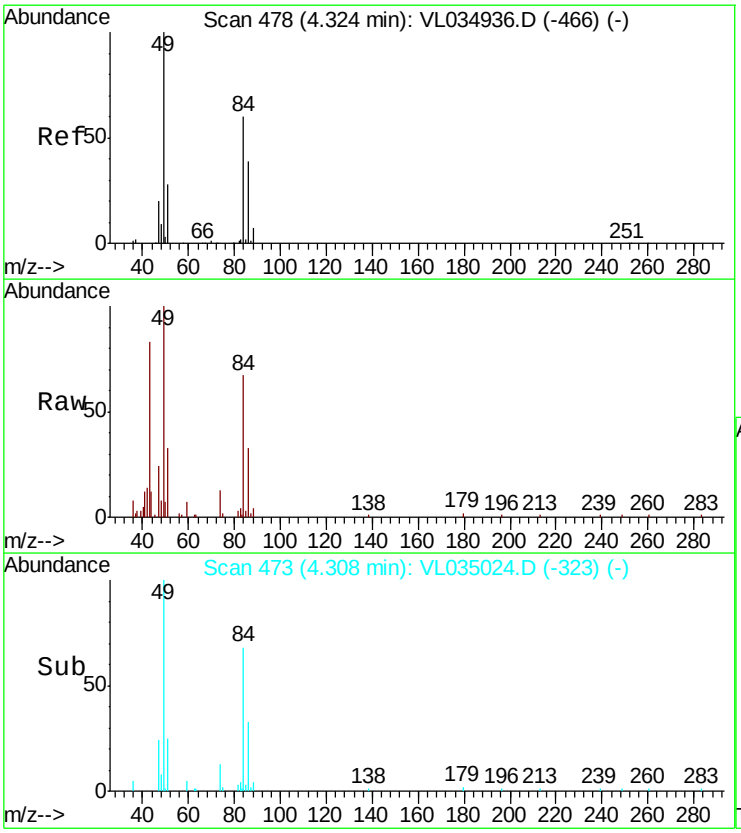
#19
Isopropyl Alcohol
Concen: 2.868 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.01 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 312774

Ion	Ratio	Lower	Upper
45	100		
58	3.0	1.7	2.5#

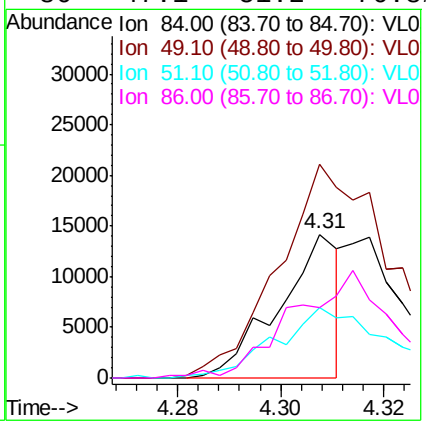


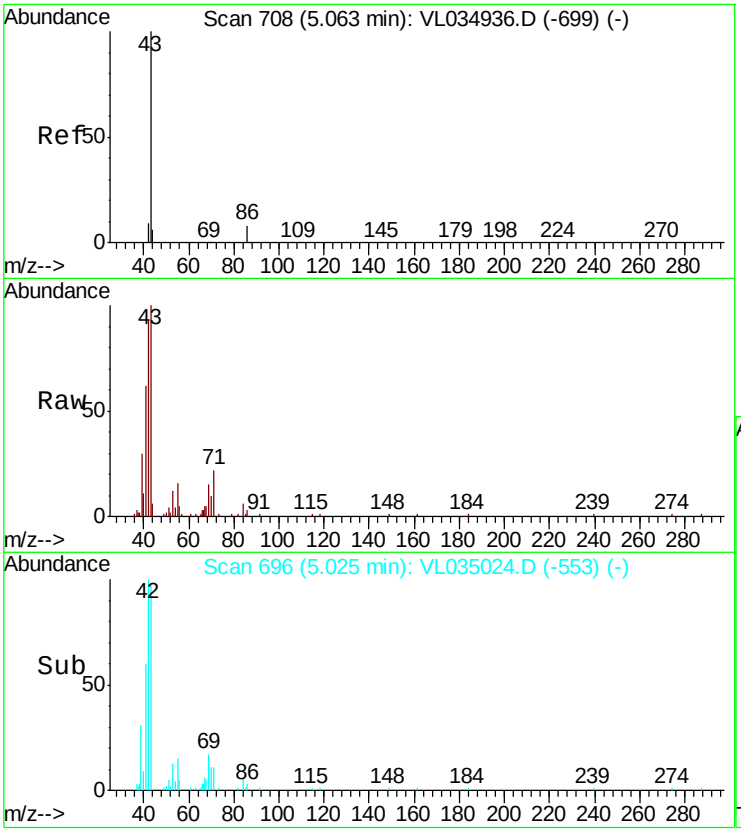


#20
Methylene Chloride
Concen: 0.213 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 84 Resp: 11532

Ion	Ratio	Lower	Upper
84	100		
49	146.8	132.5	198.7
51	46.9	38.4	57.6
86	47.1	51.2	76.8#



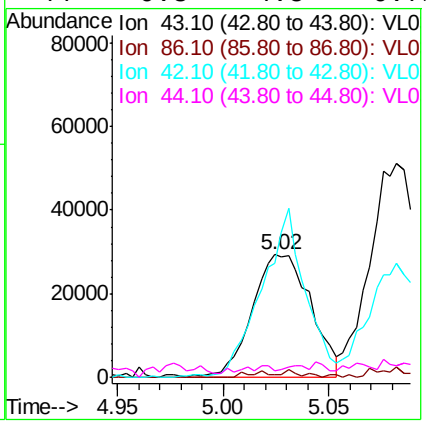


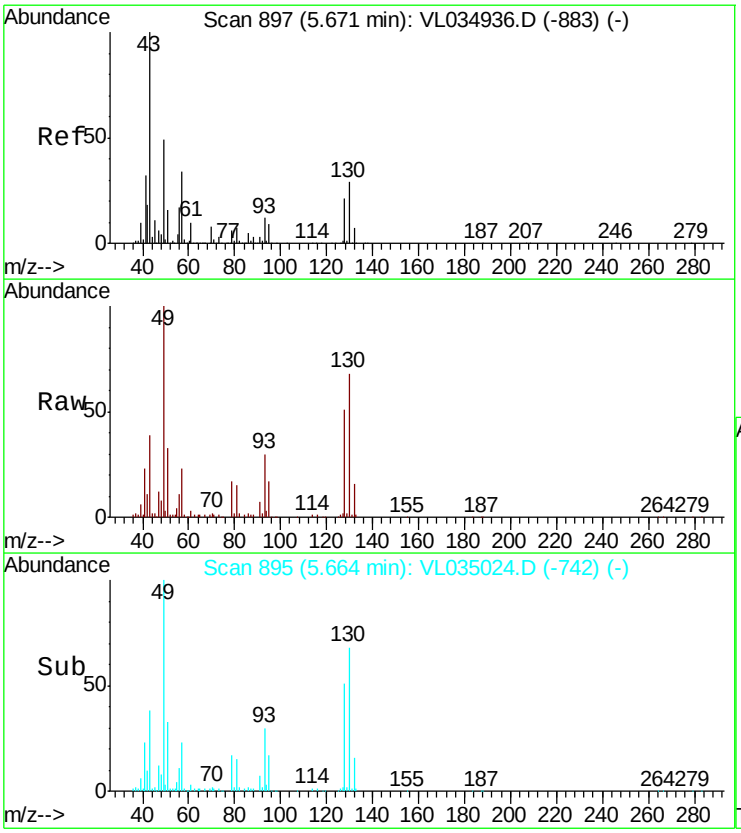
#23
Vinyl Acetate
Concen: 0.272 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.04 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 56466

Ion	Ratio	Lower	Upper
43	100		
86	2.5	5.5	8.3#
42	92.2	8.0	12.0#
44	0.8	4.5	6.7#

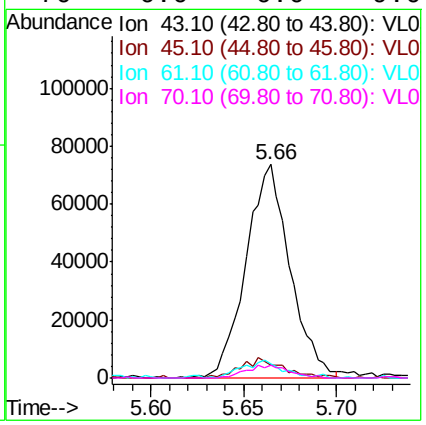


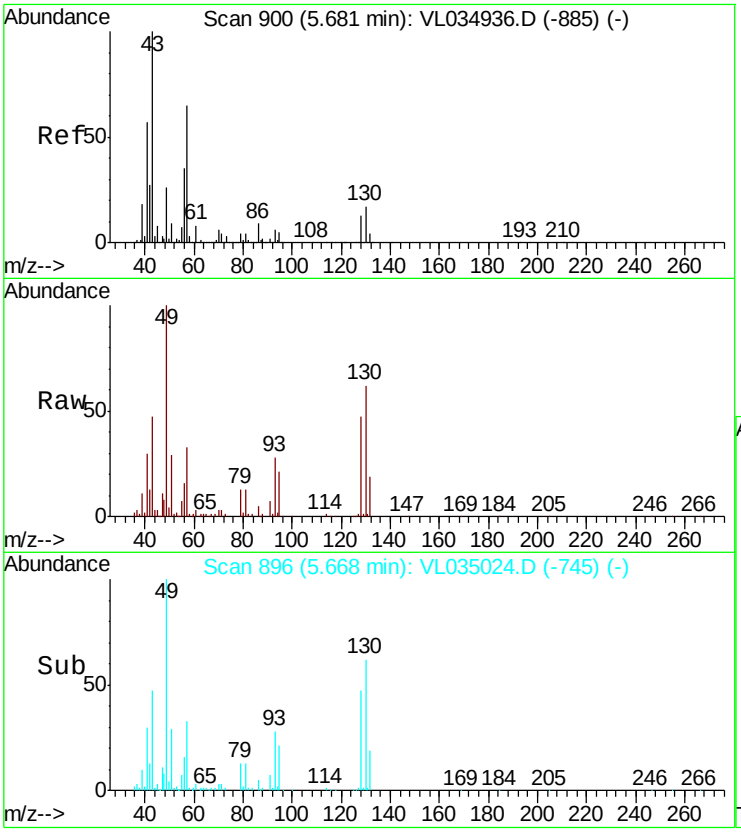


#25
Ethyl Acetate
Concen: 0.443 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 43 Resp: 121563

Ion	Ratio	Lower	Upper
43	100		
45	8.9	8.1	12.1
61	8.3	7.8	11.8
70	6.0	6.0	9.0



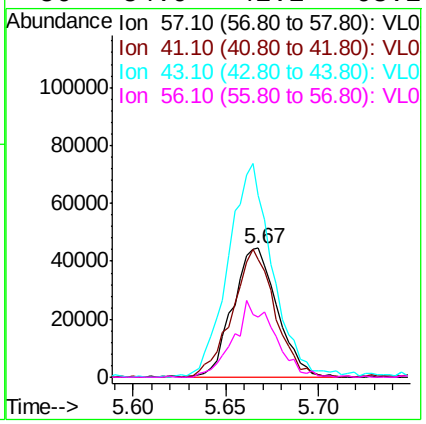


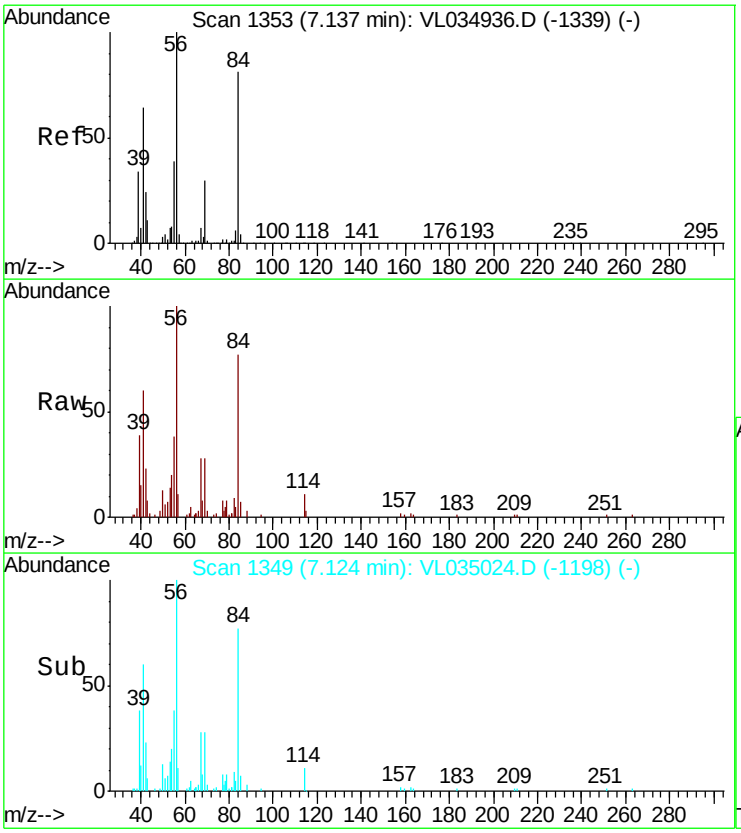
#26
Hexane
Concen: 0.621 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 73954

Ion	Ratio	Lower	Upper
57	100		
41	95.9	72.7	109.1
43	168.7	182.1	273.1#
56	54.9	42.2	63.2

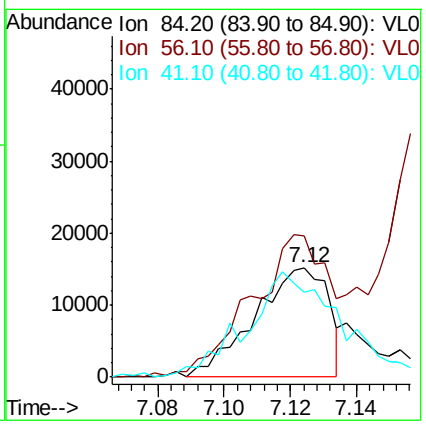


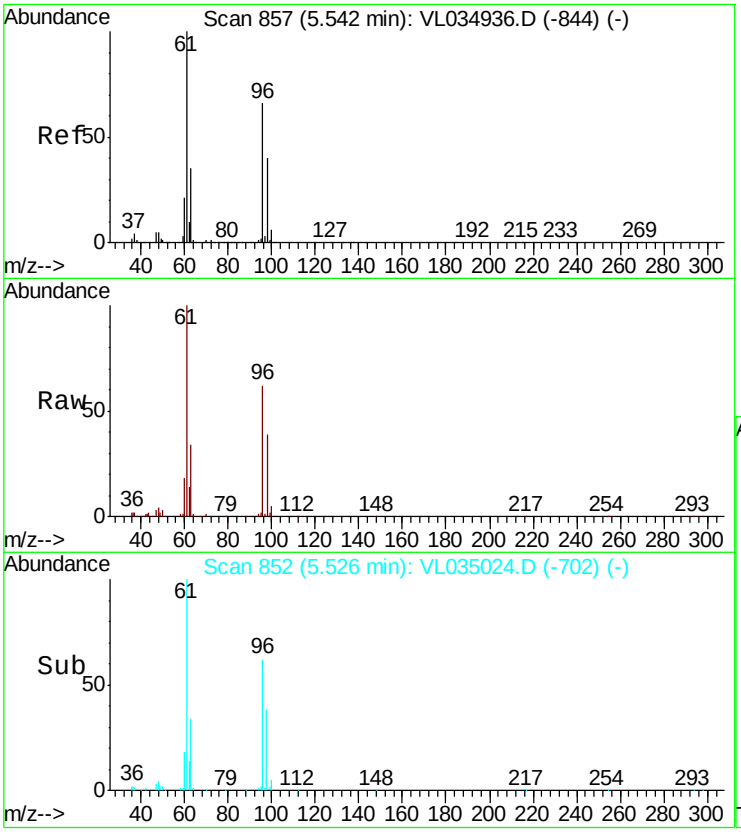


#30
Cyclohexane
Concen: 0.256 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 84 Resp: 23567

Ion	Ratio	Lower	Upper
84	100		
56	133.5	111.4	167.2
41	124.3	66.7	100.1#



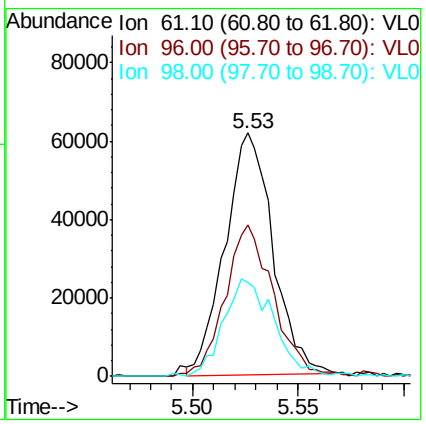


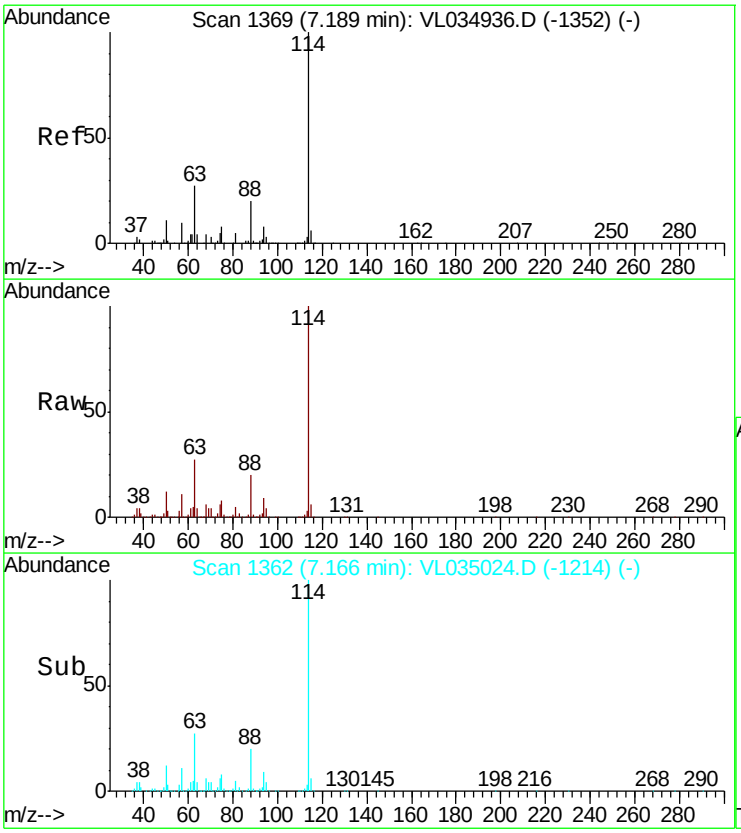
#31
cis-1,2-Dichloroethene
Concen: 0.837 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 97222

Ion	Ratio	Lower	Upper
61	100		
96	62.2	53.0	79.6
98	39.3	32.2	48.2

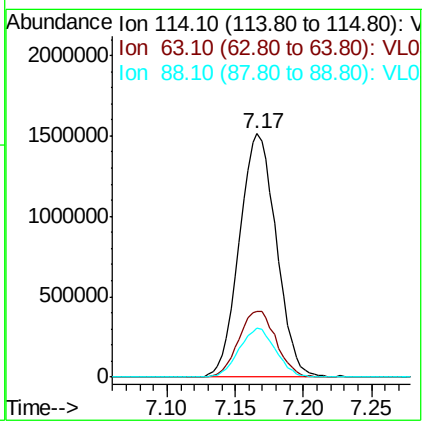


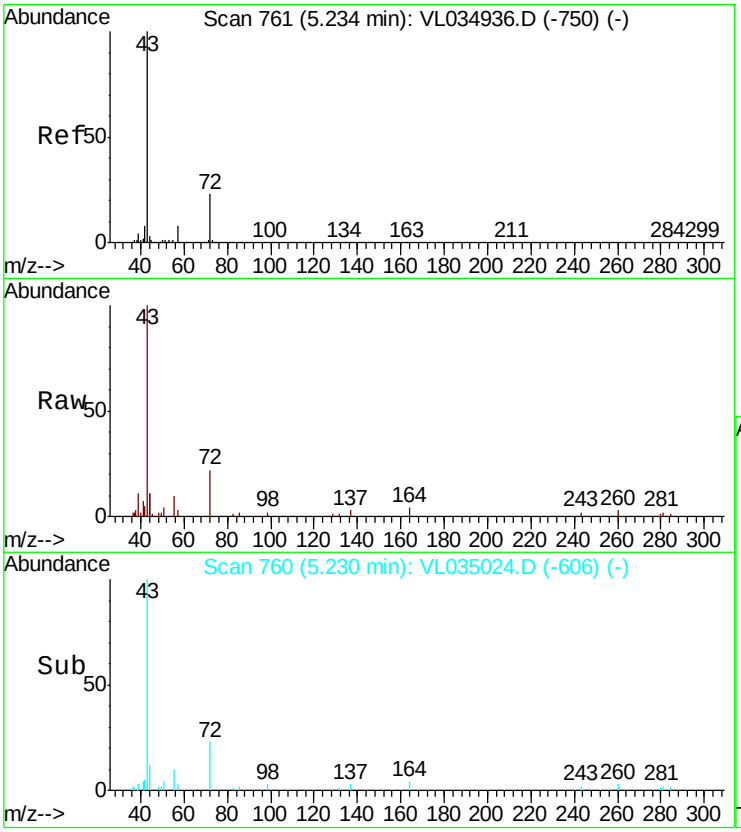


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion:114 Resp: 2847917

Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	19.9	15.5	23.3



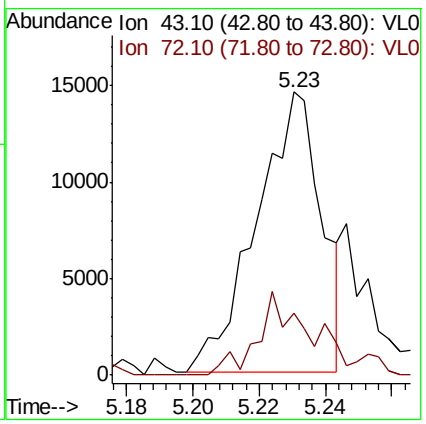


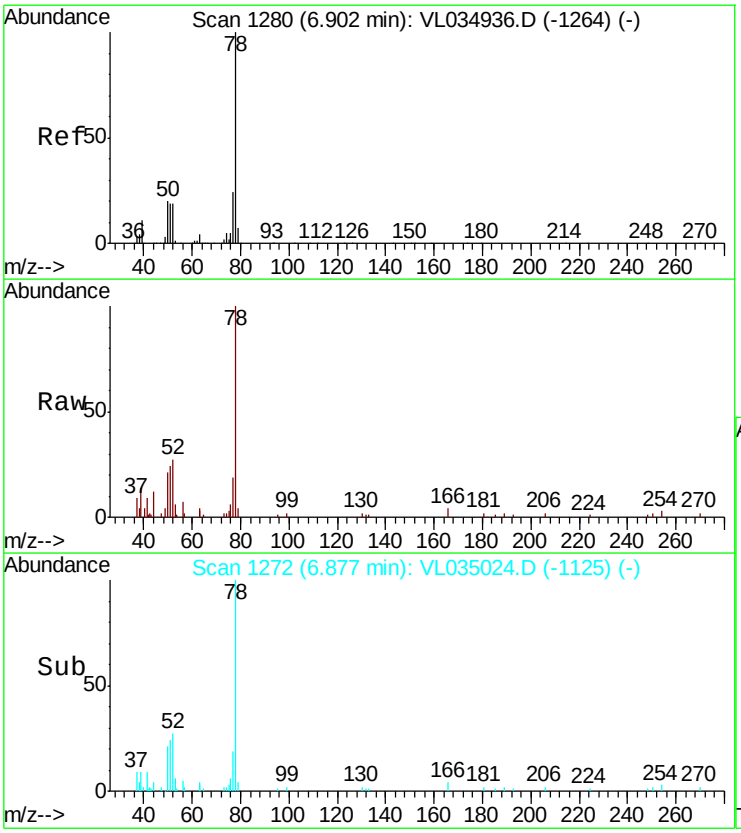
#34
2-Butanone
Concen: 0.112 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.00 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 19850

Ion	Ratio	Lower	Upper
43	100		
72	27.3	18.0	27.0#

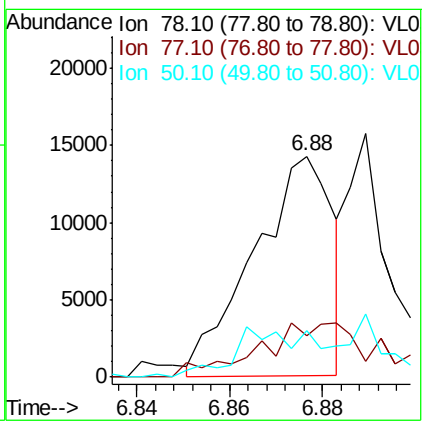


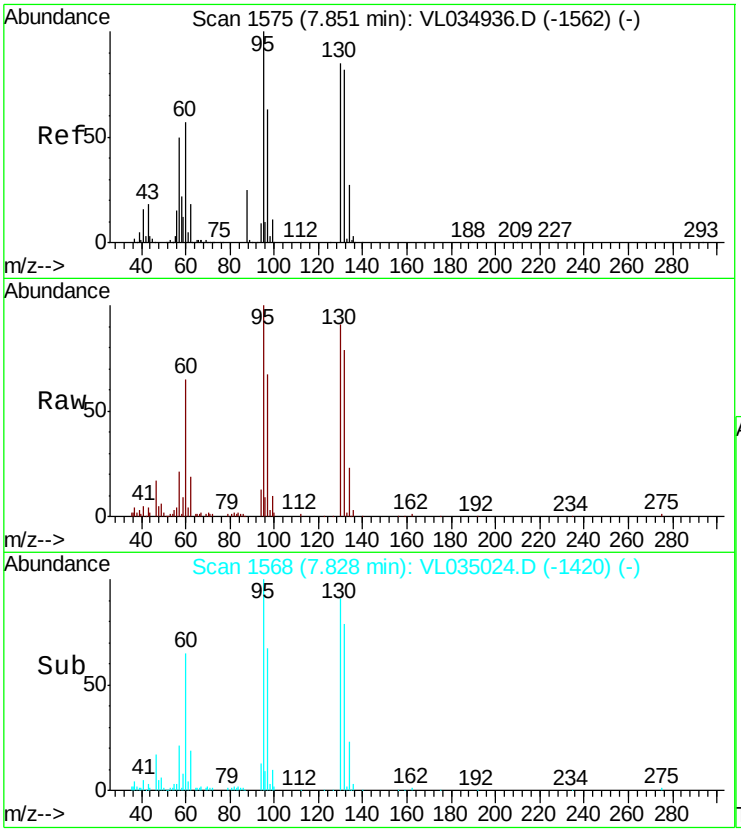


#36
Benzene
Concen: 0.071 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.03 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 78 Resp: 16742

Ion	Ratio	Lower	Upper
78	100		
77	13.1	19.0	28.6#
50	19.0	15.8	23.8



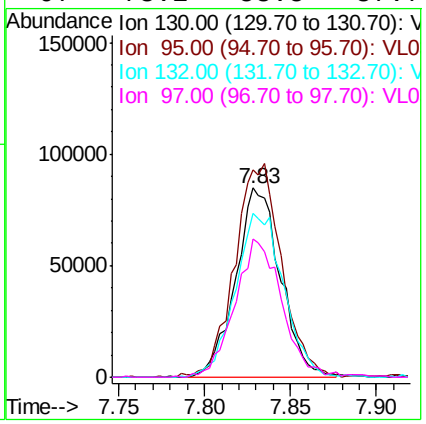


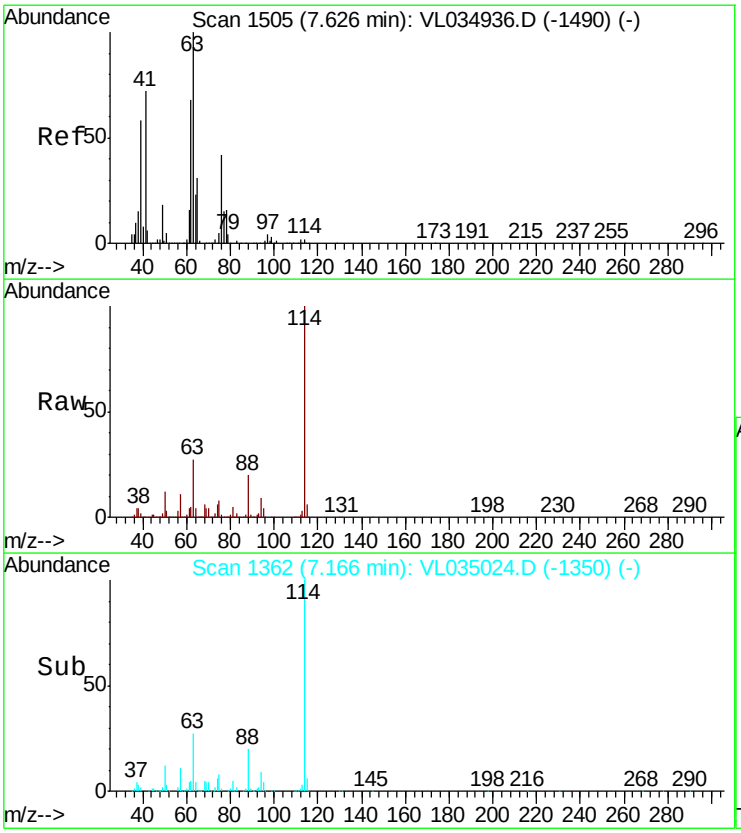
#38
Trichloroethene
Concen: 1.692 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 153910

Ion	Ratio	Lower	Upper
130	100		
95	108.1	93.4	140.0
132	86.2	76.4	114.6
97	73.2	58.5	87.7

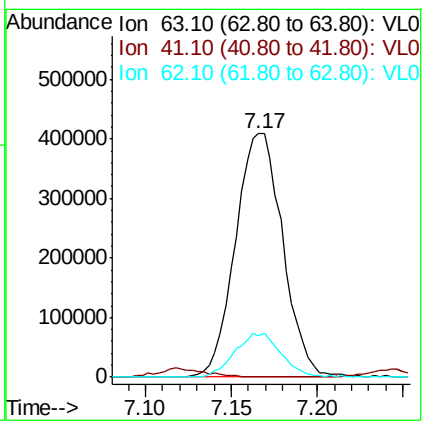


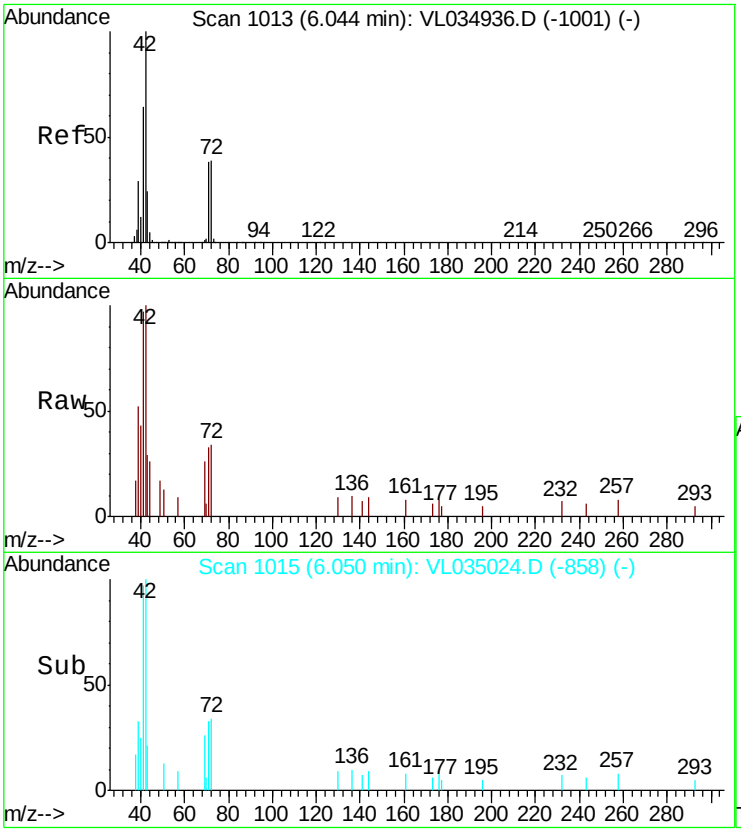


#39
1,2-Dichloropropane
Concen: 8.291 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.46 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 63 Resp: 780401

Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	16.8	54.2	81.2#



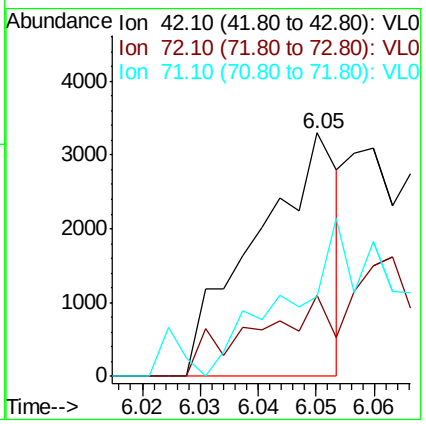


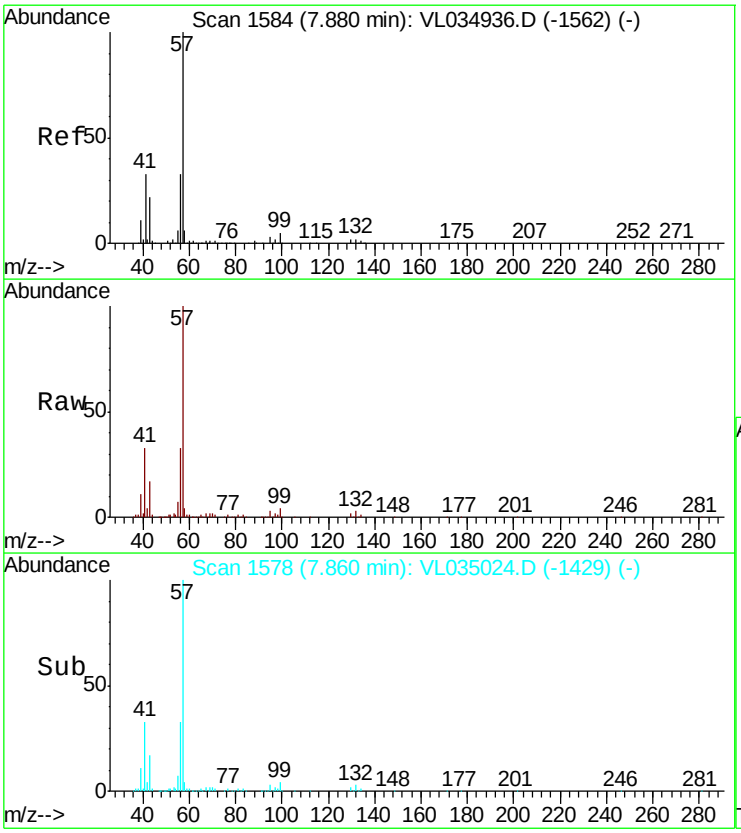
#41
Tetrahydrofuran
Concen: 0.035 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 3239

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	103.9	29.8	44.8#

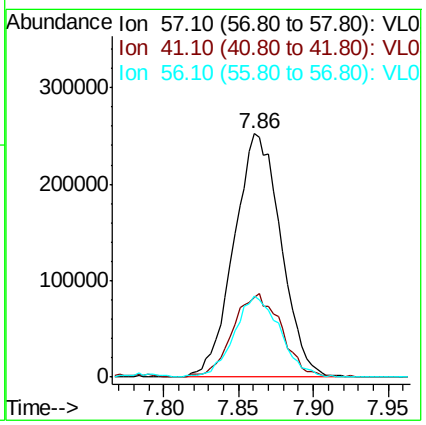


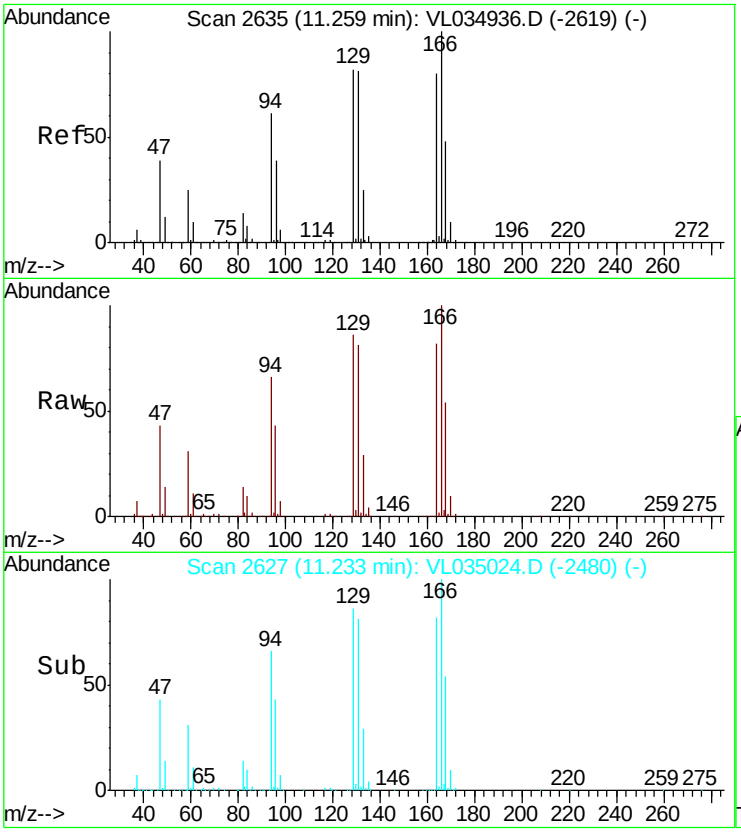


#44
2,2,4-Trimethylpentane
Concen: 1.311 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 57 Resp: 547447

Ion	Ratio	Lower	Upper
57	100		
41	35.5	26.4	39.6
56	32.9	25.5	38.3



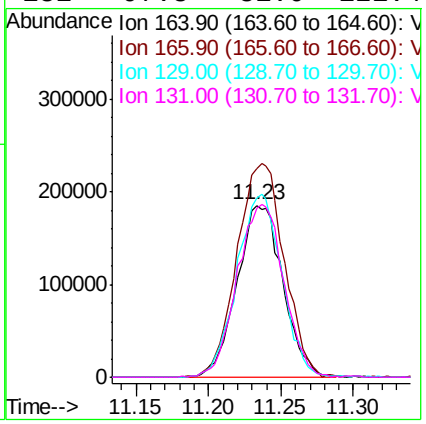


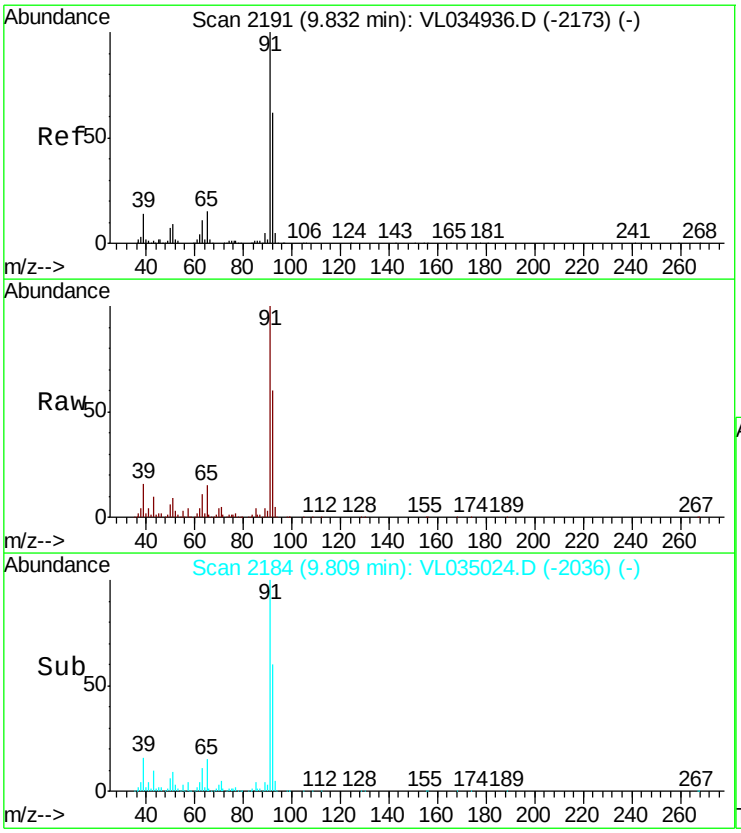
#52
Tetrachloroethene
Concen: 4.869 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. -0.03 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 406474

Ion	Ratio	Lower	Upper
164	100		
166	121.0	100.7	151.1
129	104.0	83.0	124.4
131	97.8	81.0	121.4

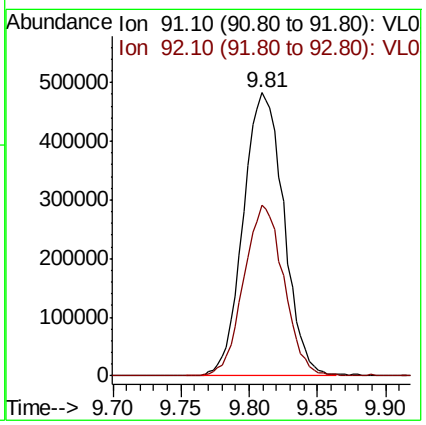


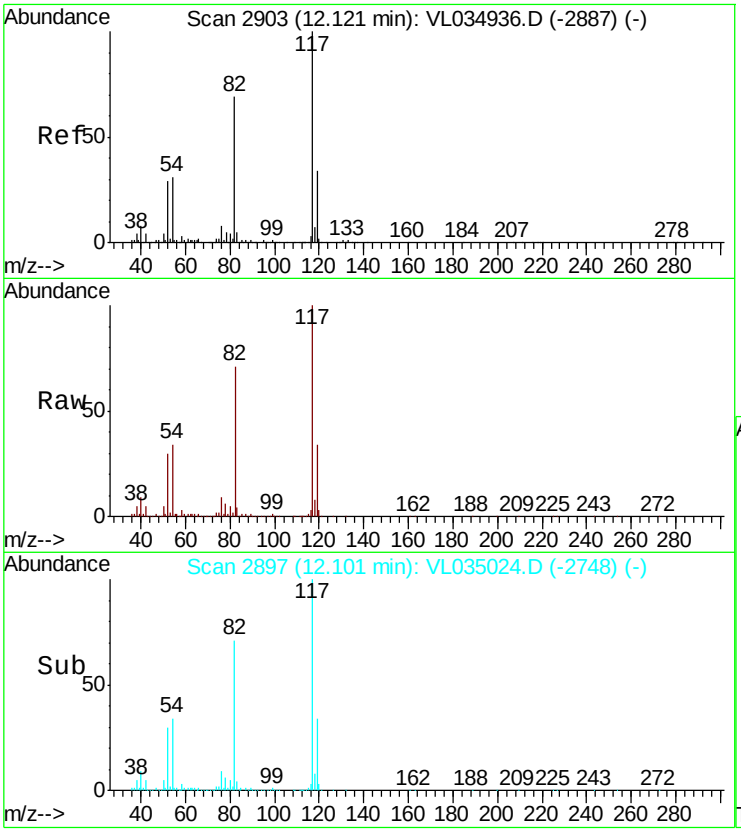


#53
Toluene
Concen: 3.999 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 91 Resp: 995477

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.6	73.0



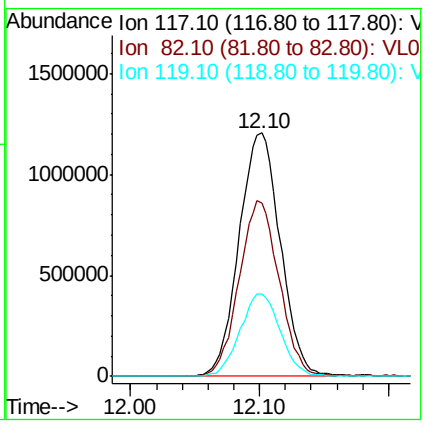


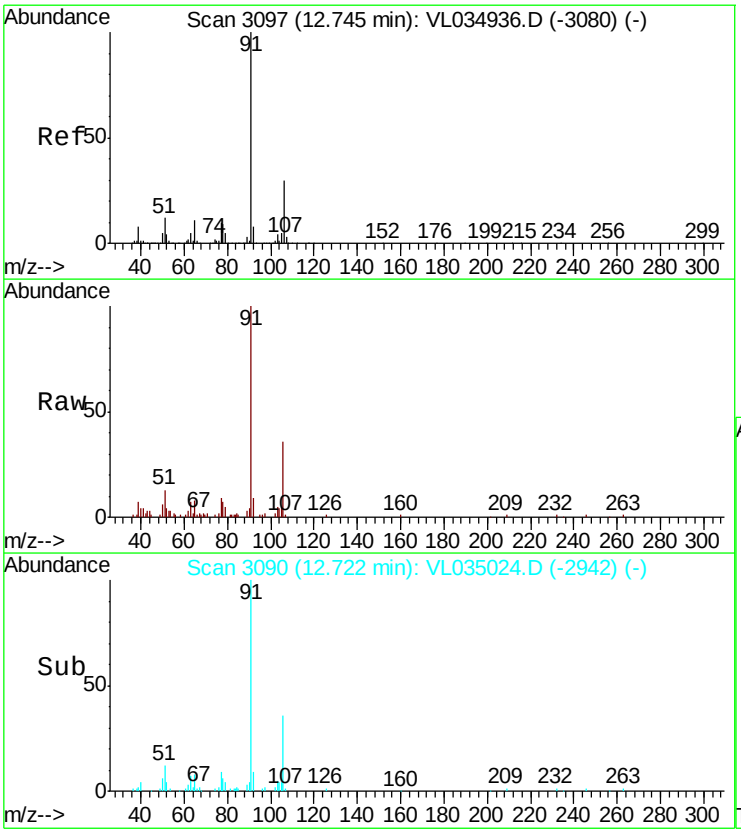
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2684865

Ion	Ratio	Lower	Upper
117	100		
82	70.2	53.1	79.7
119	33.1	26.7	40.1

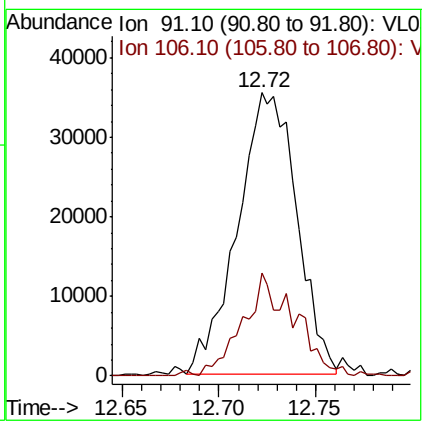


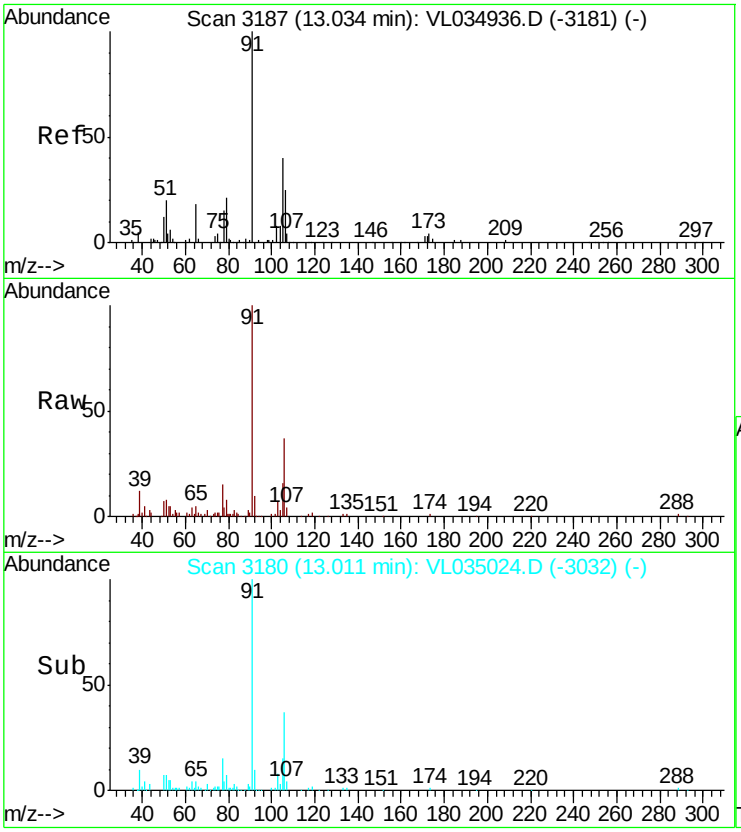


#58
Ethyl Benzene
Concen: 0.228 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 91 Resp: 75801

Ion	Ratio	Lower	Upper
91	100		
106	34.6	24.2	36.4



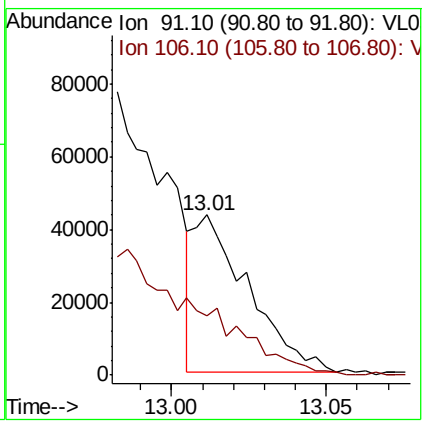


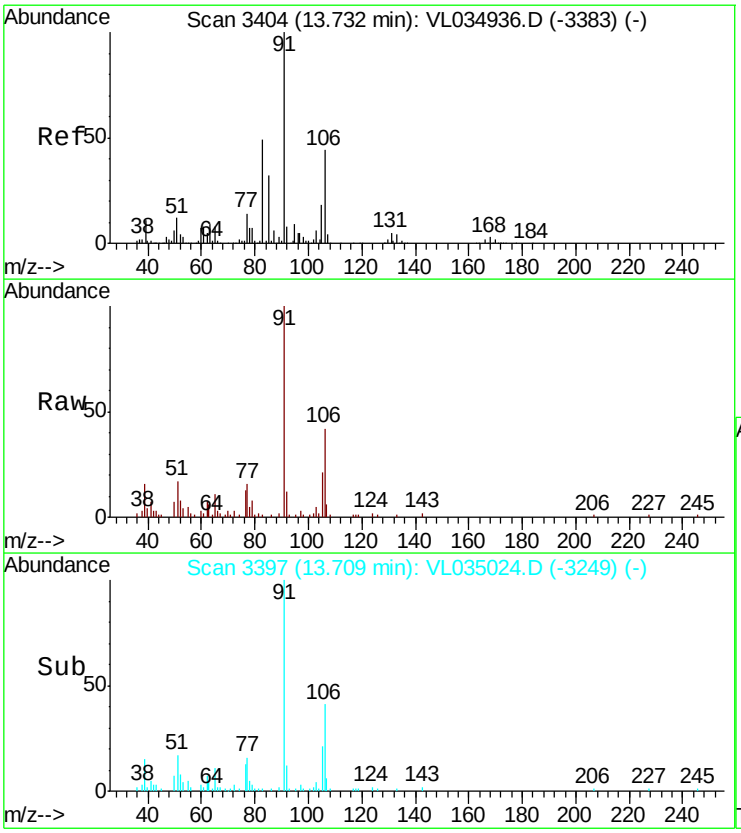
#59
m/p-Xylene
Concen: 0.180 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 52585

Ion	Ratio	Lower	Upper
91	100		
106	0.0	66.0	99.0#

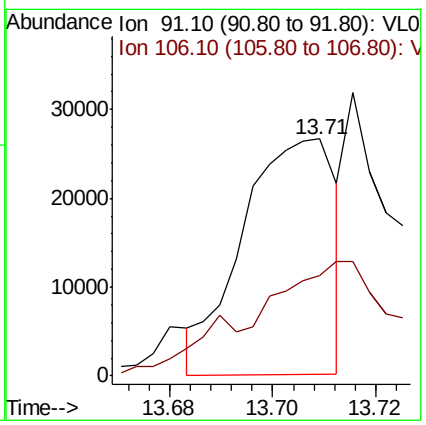


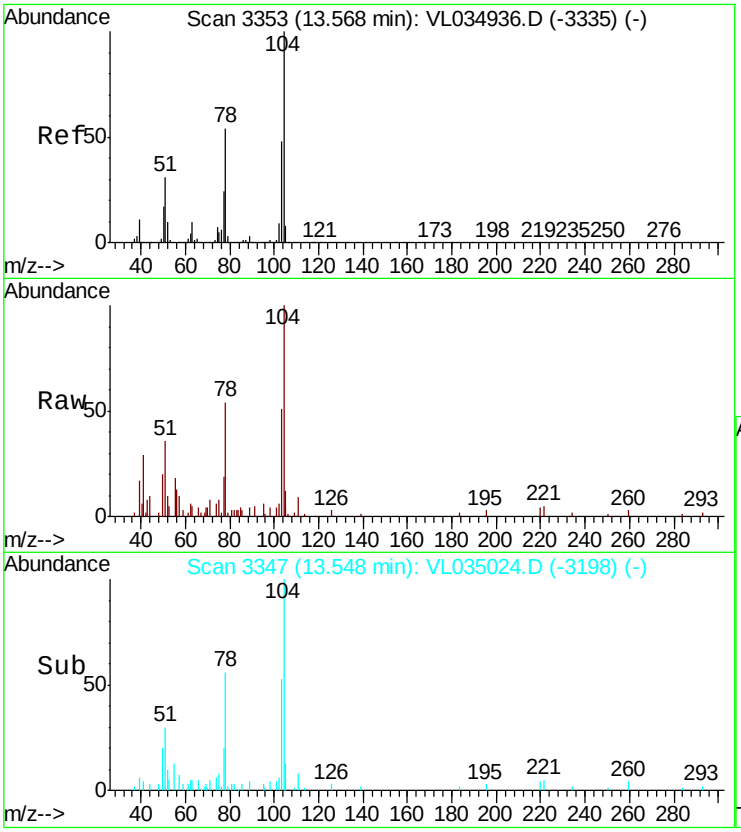


#60
o-Xylene
Concen: 0.115 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 91 Resp: 33114

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.5#



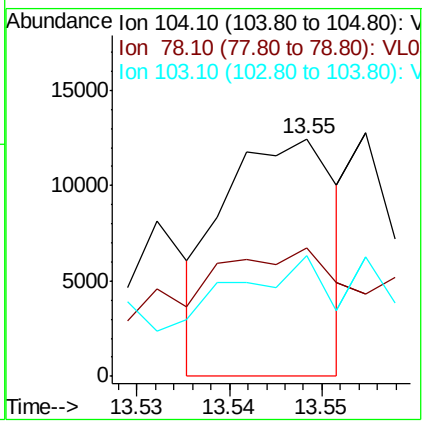


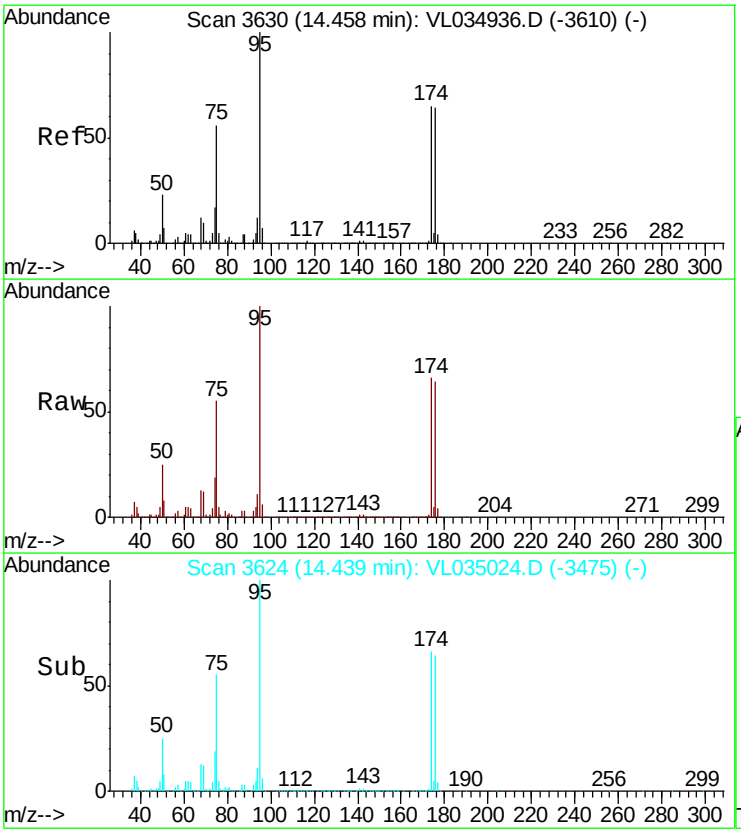
#61
Stvrene
Concen: 0.057 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 10465

Ion	Ratio	Lower	Upper
104	100		
78	133.7	43.7	65.5#
103	116.1	38.8	58.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.574 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 95 Resp: 2298059

Ion	Ratio	Lower	Upper
95	100		
174	65.1	51.5	77.3
175	4.8	3.8	5.8