Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052220\
Data File : VL035090.D
Acq On : 22 May 2020 18:44
Operator : SY/AP
Sample : L2739-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 22 23:17:33 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	1005558	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.17	114	2377480	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.10	117	2256703	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1927090	10.55	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	35192	0.247	ppbv		100
3) Chlorodifluoromethane	2.94	51	53732	0.468	ppbv	#	83
4) Chloromethane	3.09	50	37654	0.572	ppbv		94
9) Propene	2.97	41	23527	0.472	ppbv		87
10) Heptane	8.12	43	46721	0.374	ppbv		91
11) Trichlorofluoromethane	3.91	101	41448	0.282	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	8136	0.078	ppbv		89
13) Ethanol	3.56	45	1070364	65.111	ppbv		98
15) Acetone	3.82	43	412574	3.103	ppbv	#	70
16) 1,3-Butadiene	3.28	39	2063	0.036	ppbv	#	12
17) tert-Butyl alcohol	4.27	59	28581	0.242	ppbv	#	71
19) Isopropyl Alcohol	3.93	45	1416372	15.976	ppbv		99
20) Methylene Chloride	4.31	84	53725	1.221	ppbv		89
21) Allyl Chloride	4.10	41	1723075	22.946	ppbv	#	51
23) Vinyl Acetate	5.04	43	34802	0.206	ppbv	#	17
25) Ethyl Acetate	5.66	43	310828	1.392	ppbv		98
26) Hexane	5.67	57	170608	1.762	ppbv		82
30) Cyclohexane	7.11	84	6699	0.090	ppbv	#	1
34) 2-Butanone	5.22	43	94020	0.636	ppbv		98
36) Benzene	6.88	78	53934	0.275	ppbv	#	90
37) 1,2-Dichloroethane	6.30	62	9419	0.078	ppbv		100
38) Trichloroethene	7.83	130	2398	0.032	ppbv	#	46
39) 1,2-Dichloropropane	7.17	63	654973	8.335	ppbv	#	25
44) 2,2,4-Trimethylpentane	7.87	57	33234	0.095	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.75	43	76070	0.361	ppbv		98
52) Tetrachloroethene	11.23	164	9170	0.132	ppbv		92
53) Toluene	9.82	91	3215174	15.473	ppbv		99
58) Ethyl Benzene	12.73	91	314593	1.127	ppbv		93
59) m/p-Xylene	13.01	91	64844	0.264	ppbv	#	8
60) o-Xylene	13.71	91	87250	0.360	ppbv		96
61) Styrene	13.55	104	122502	0.799	ppbv		98

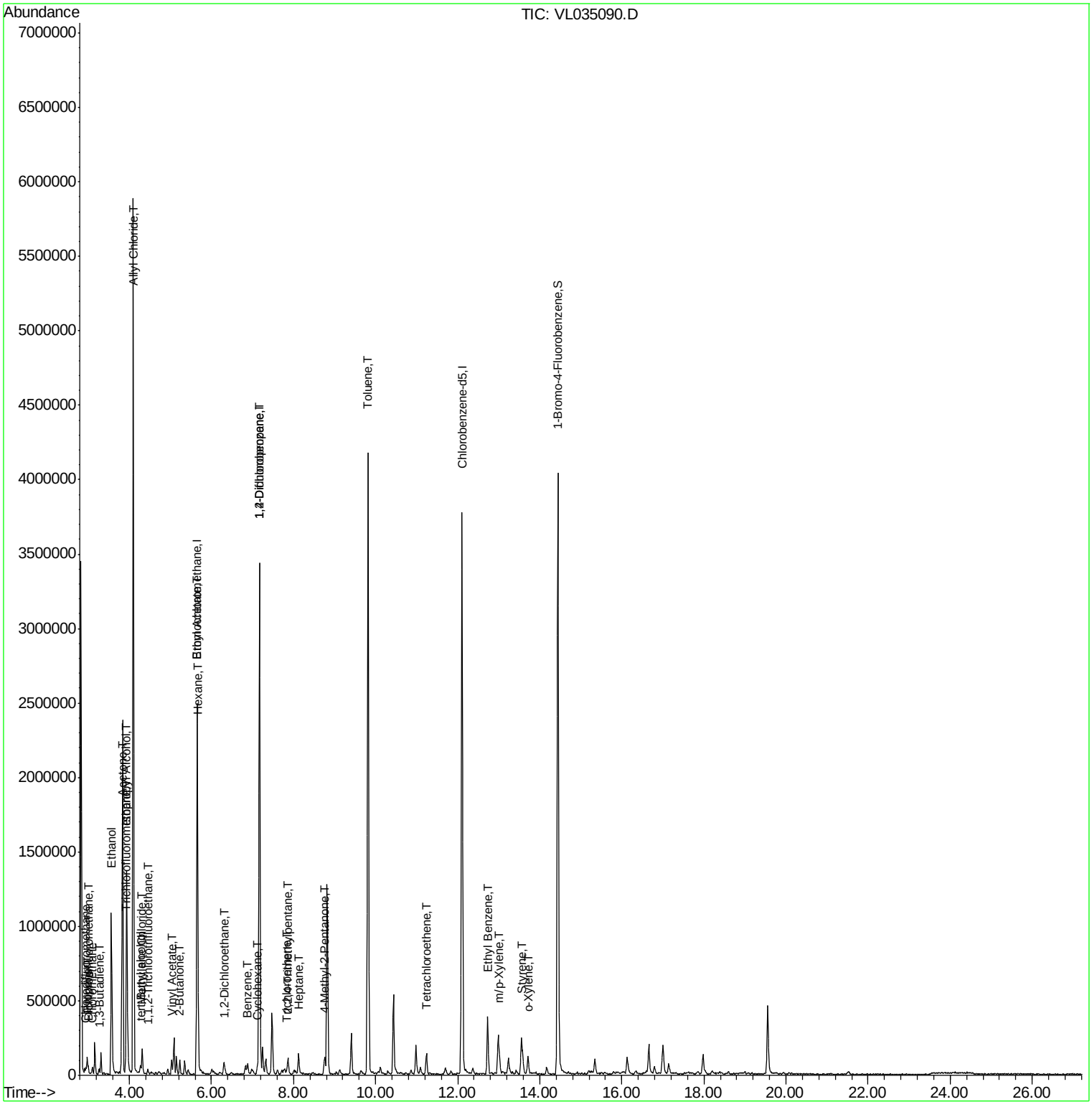
(#) = qualifier out of range (m) = manual integration (+) = signals summed

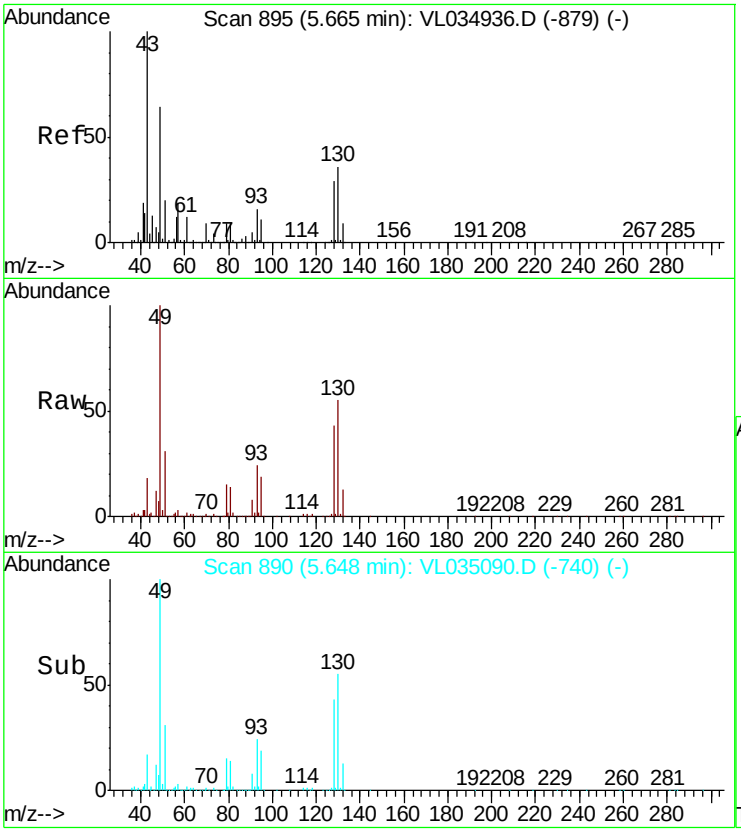
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052220\
Data File : VL035090.D
Acq On : 22 May 2020 18:44
Operator : SY/AP
Sample : L2739-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 22 23:17:33 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



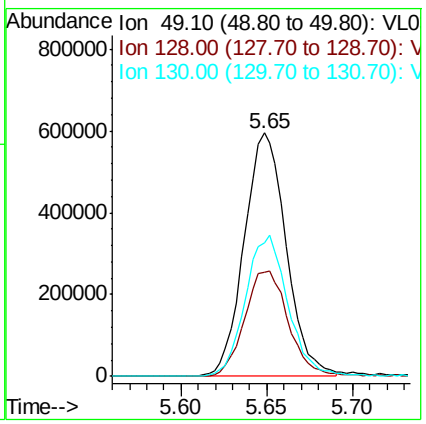


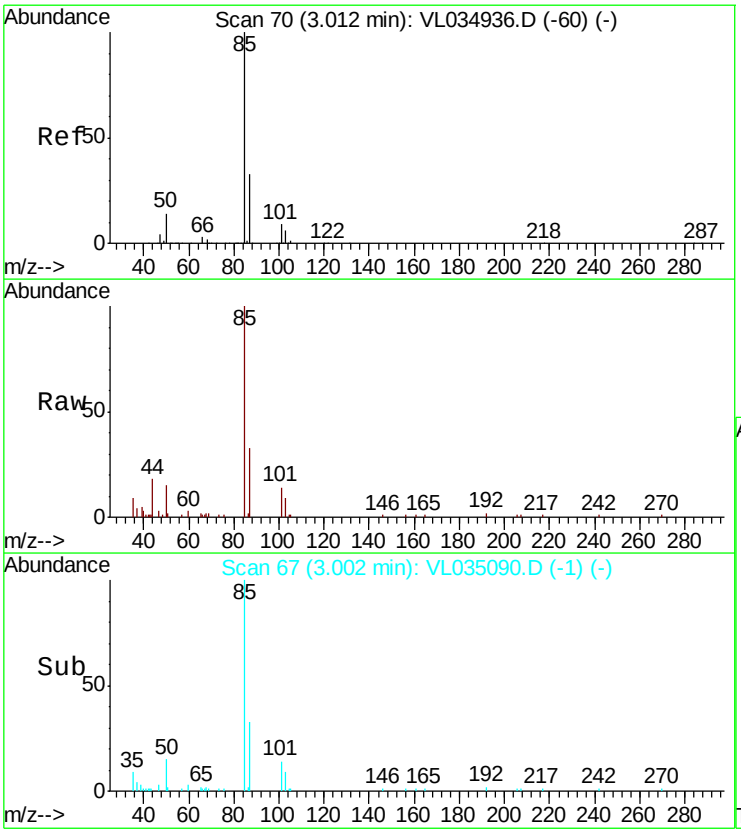
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1005558

Ion	Ratio	Lower	Upper
49	100		
128	45.2	22.1	66.5
130	59.3	29.1	87.3

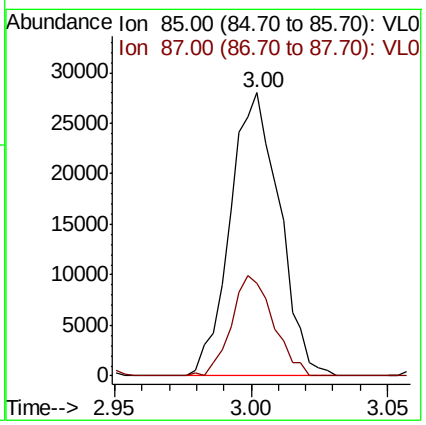


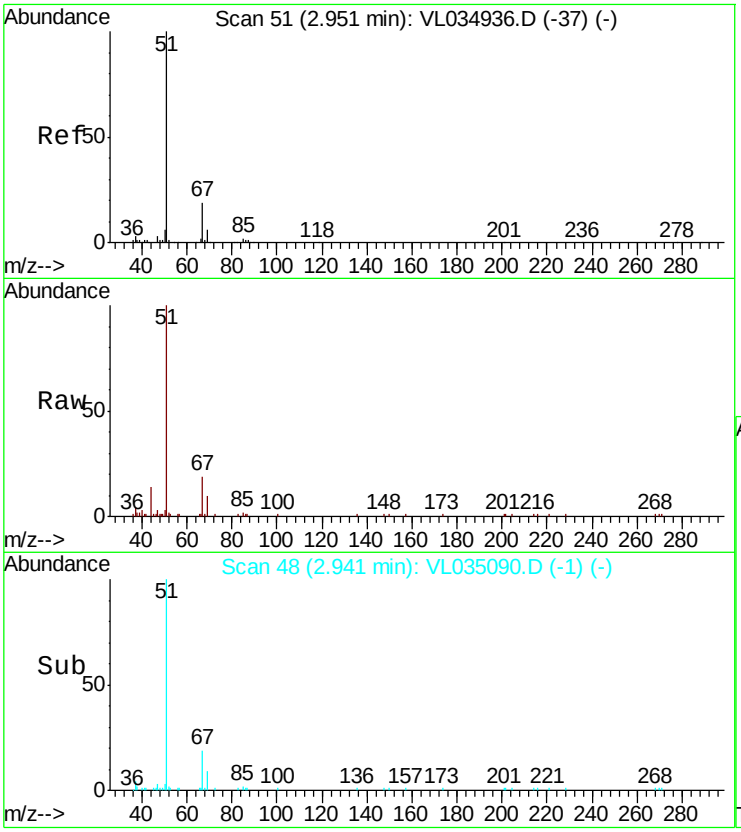


#2
Dichlorodifluoromethane
Concen: 0.247 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 85 Resp: 35192

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.2	39.2



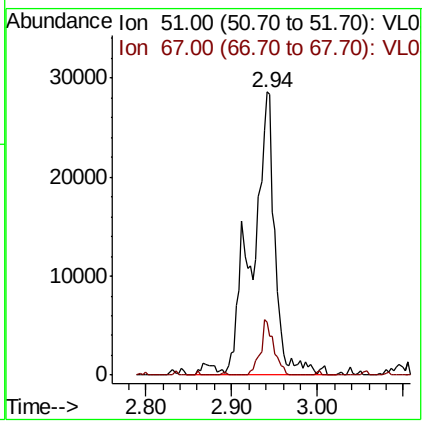


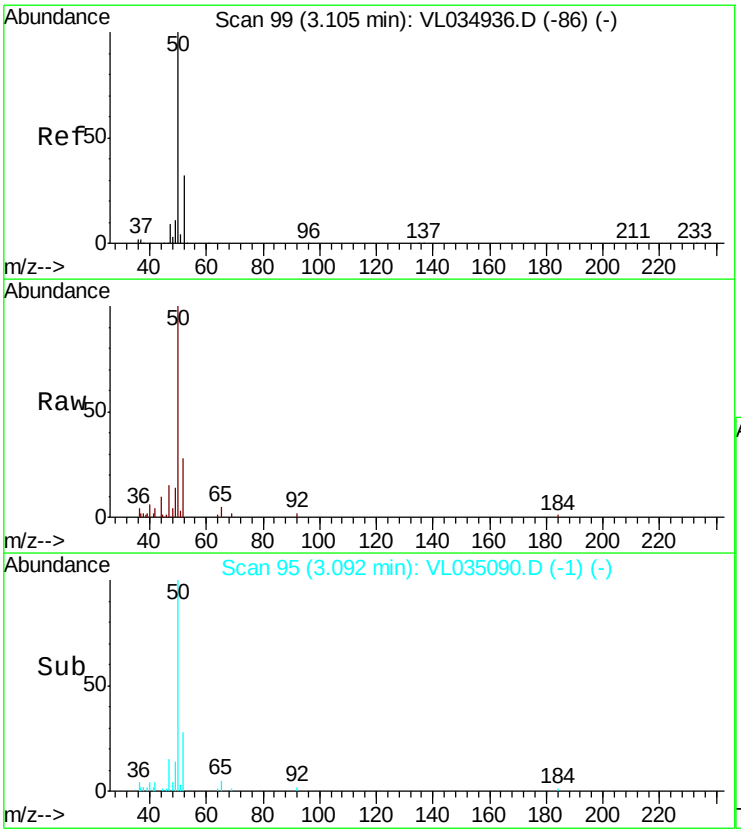
#3
Chlorodifluoromethane
Concen: 0.468 ppbv
RT: 2.94 min Scan# 48
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 53732

Ion	Ratio	Lower	Upper
51	100		
67	11.3	15.0	22.6#

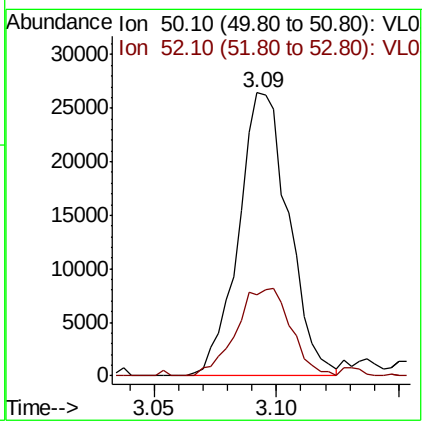


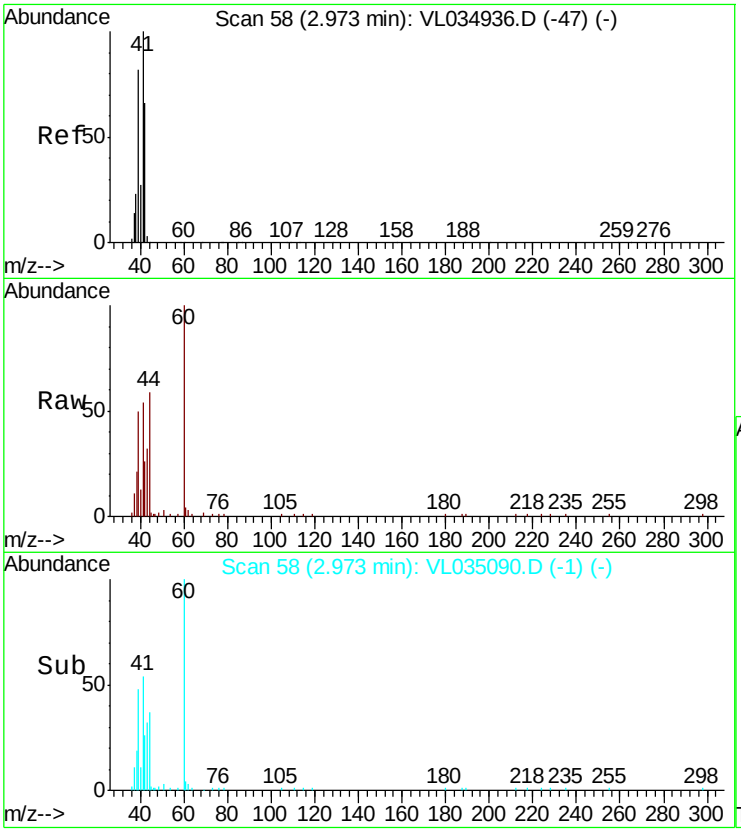


#4
Chloromethane
Concen: 0.572 ppbv
RT: 3.09 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 50 Resp: 37654

Ion	Ratio	Lower	Upper
50	100		
52	28.5	25.4	38.2



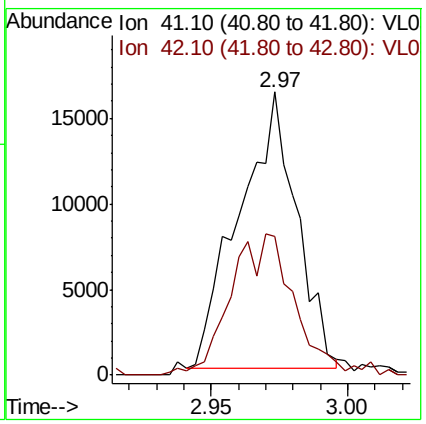


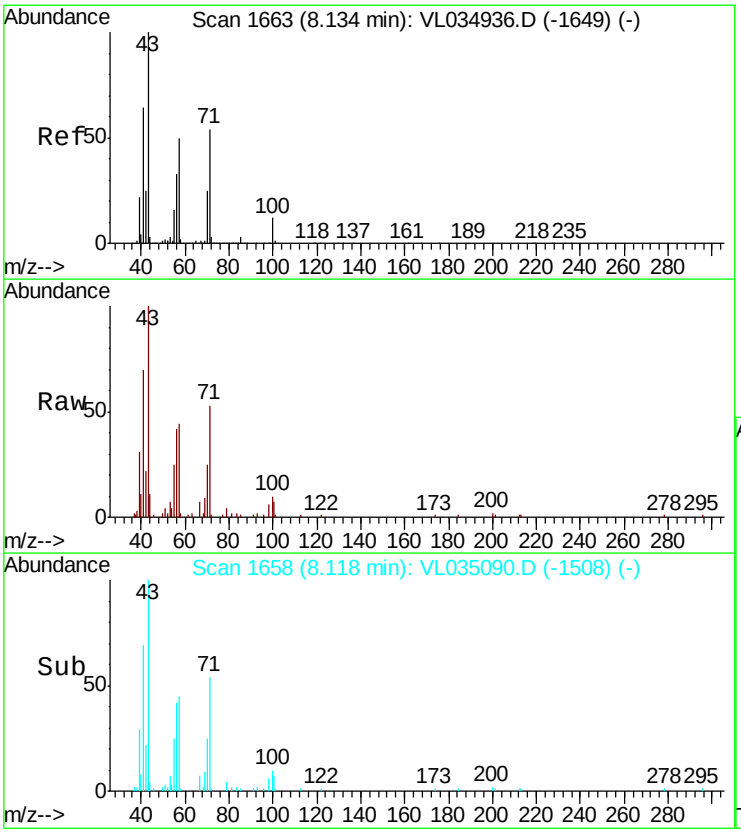
#9
Propene
Concen: 0.472 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.00 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 23527

Ion	Ratio	Lower	Upper
41	100		
42	57.7	54.5	81.7

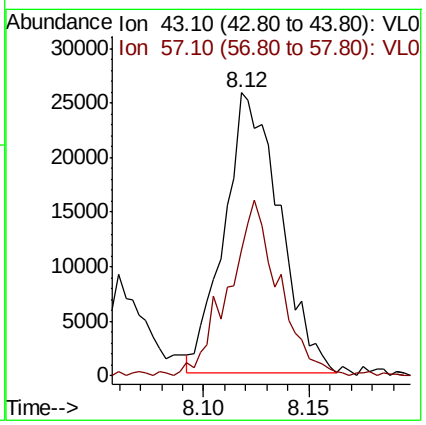


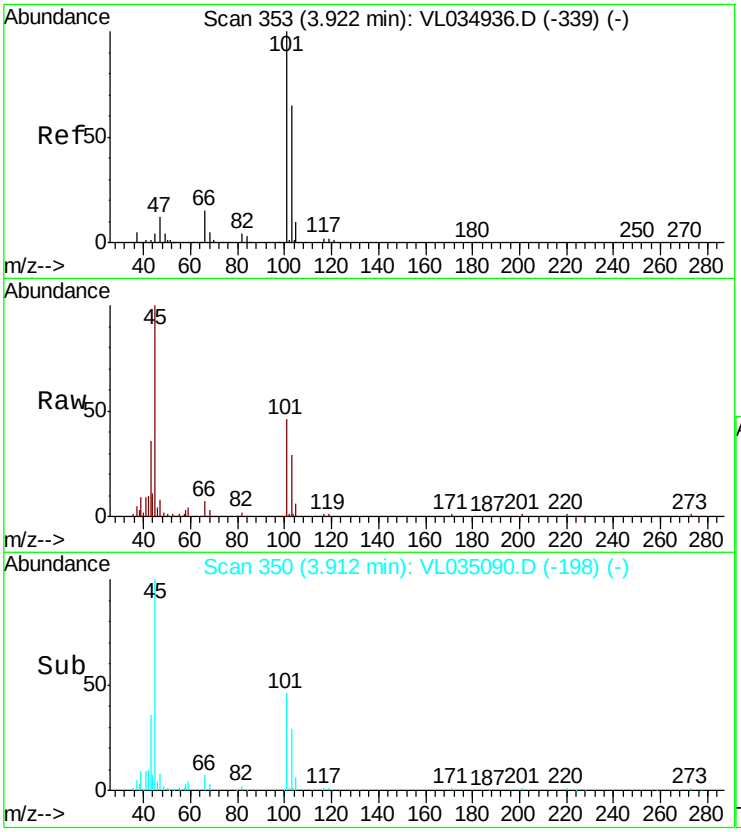


#10
Heptane
Concen: 0.374 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 43 Resp: 46721

Ion	Ratio	Lower	Upper
43	100		
57	57.6	41.1	61.7



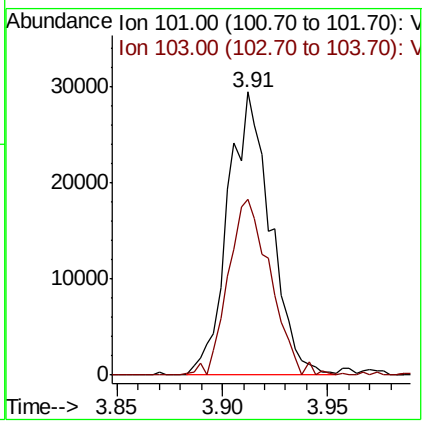


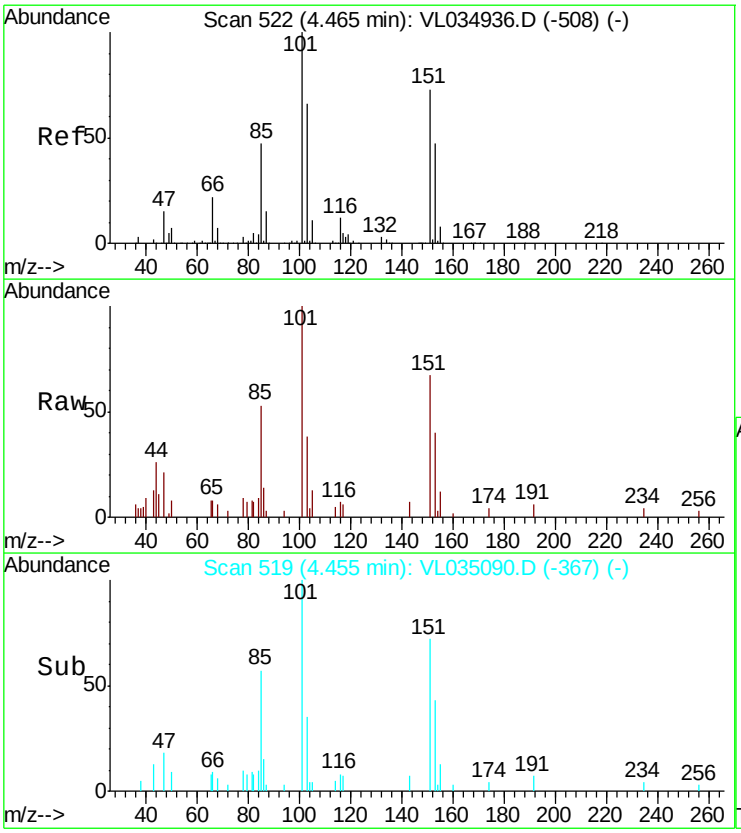
#11
Trichlorofluoromethane
Concen: 0.282 ppbv
RT: 3.91 min Scan# 350
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 41448

Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.9	77.9

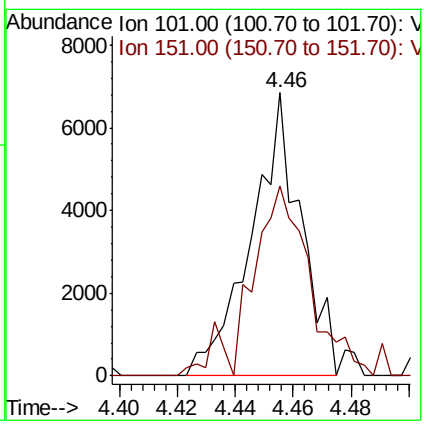


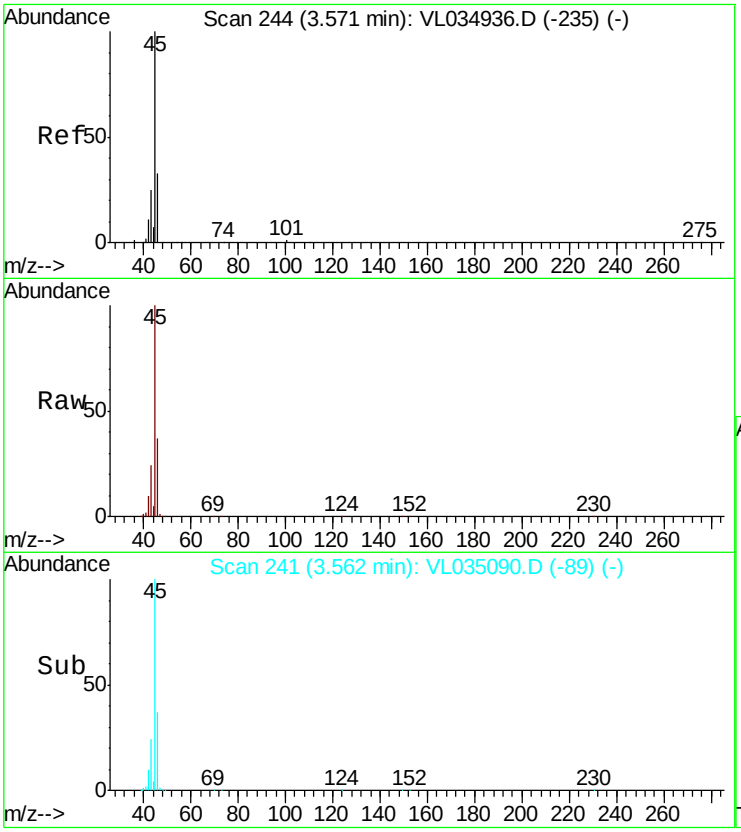


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.078 ppbv
RT: 4.46 min Scan# 519
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion:101 Resp: 8136

Ion	Ratio	Lower	Upper
101	100		
151	81.5	57.6	86.4



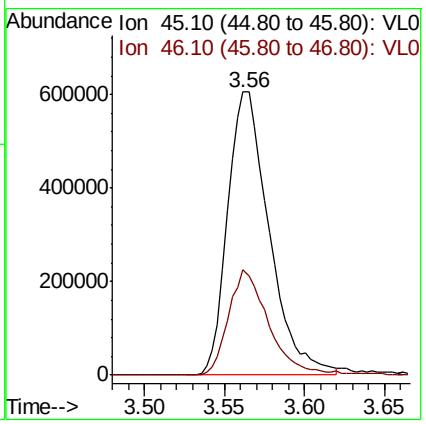


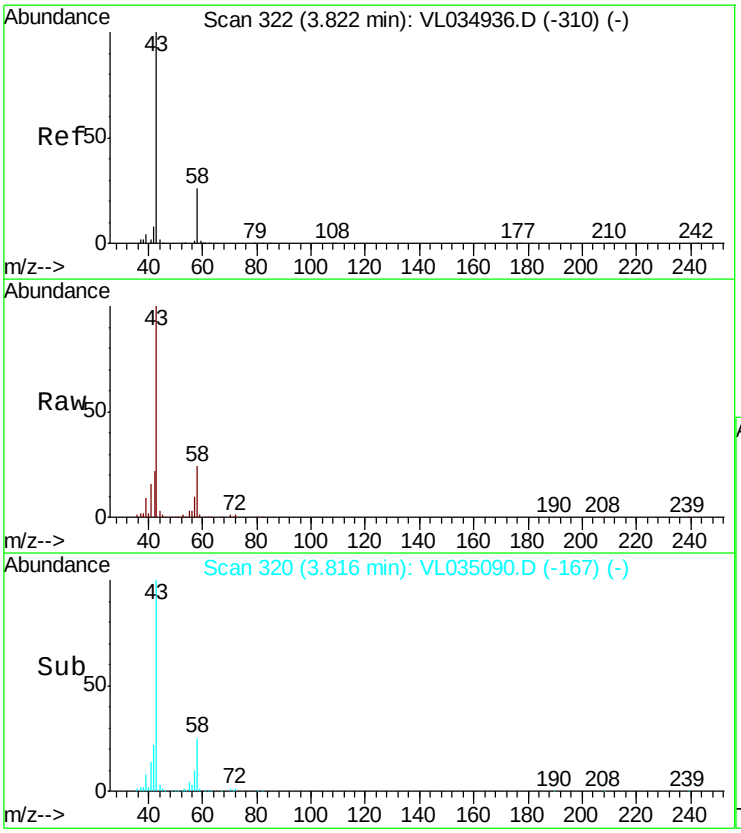
#13
Ethanol
Concen: 65.111 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1070364

Ion	Ratio	Lower	Upper
45	100		
46	37.0	14.3	57.3

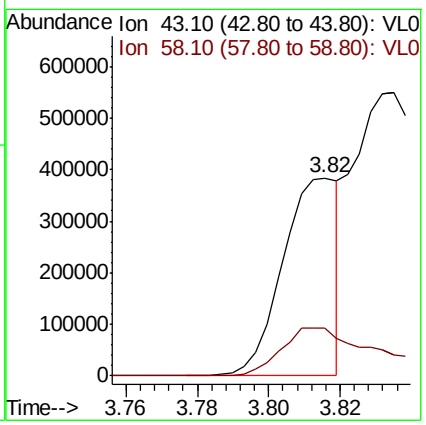


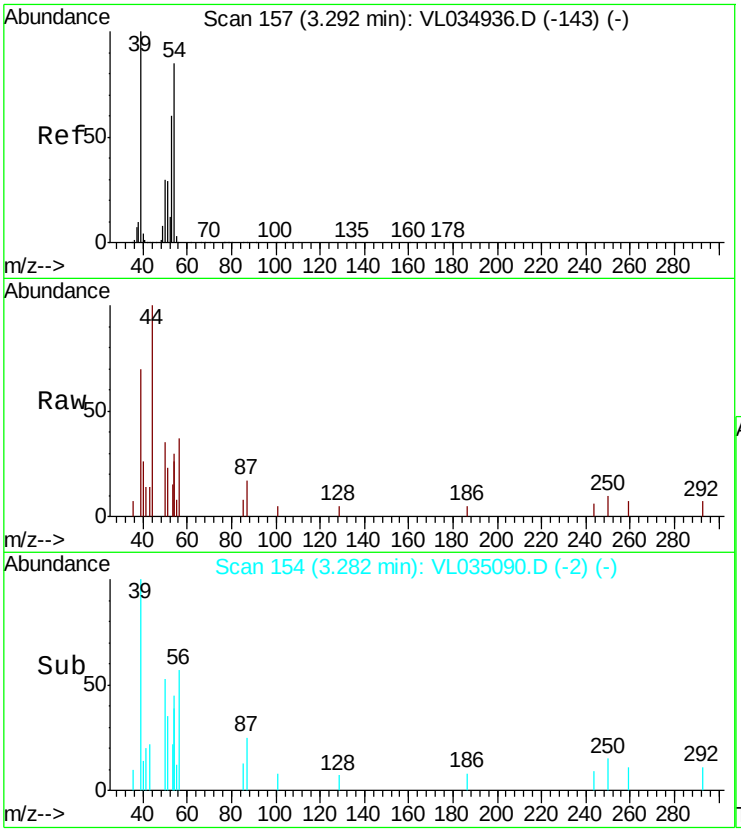


#15
Acetone
Concen: 3.103 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 43 Resp: 412574

Ion	Ratio	Lower	Upper
43	100		
58	42.5	21.7	32.5#



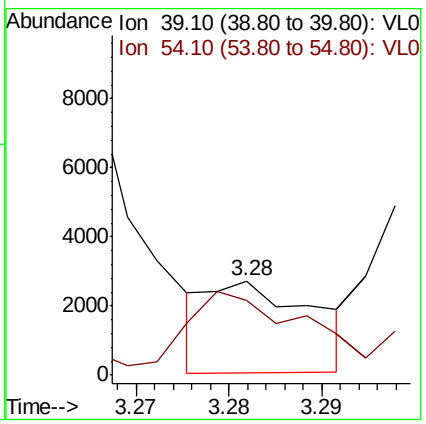


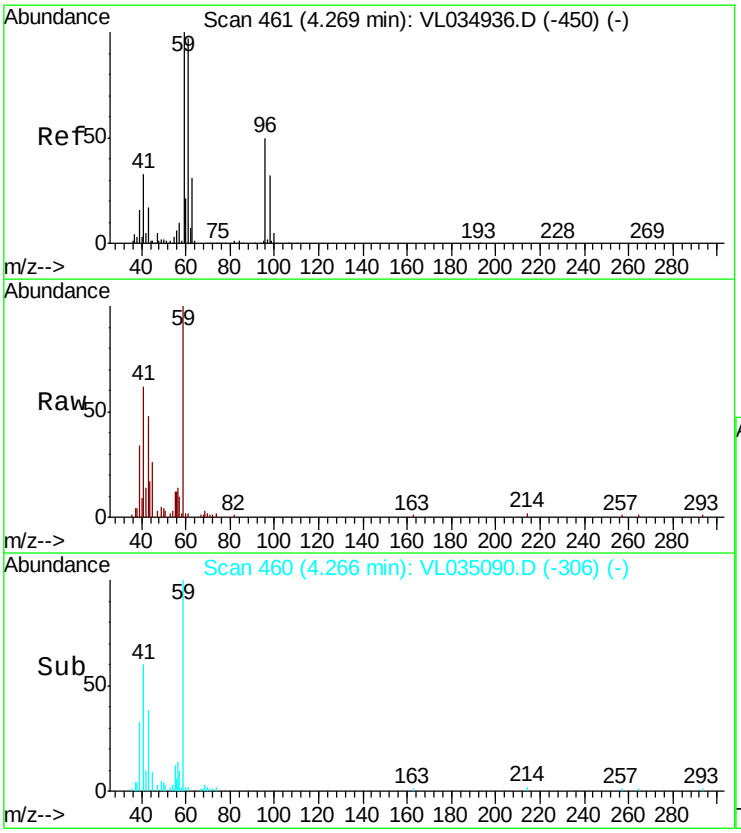
#16
1,3-Butadiene
Concen: 0.036 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 2063

Ion	Ratio	Lower	Upper
39	100		
54	162.5	66.6	100.0#

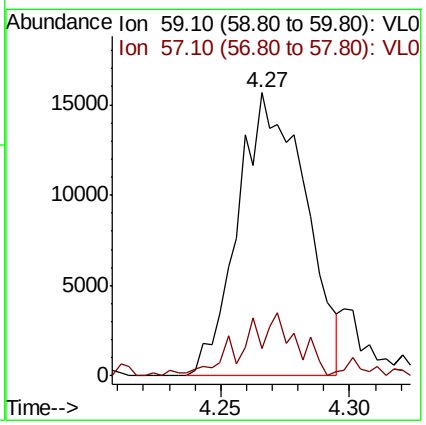


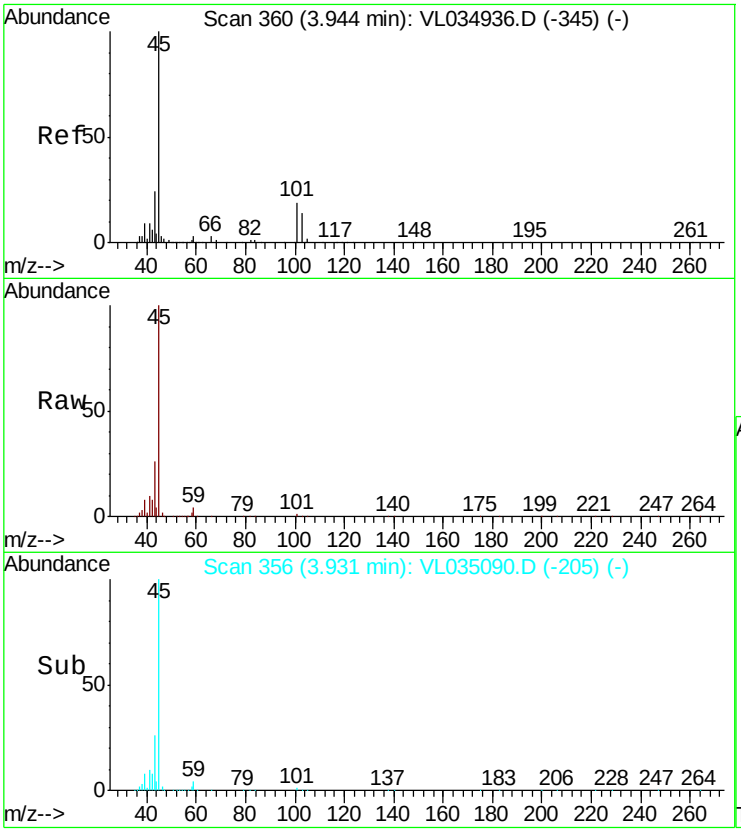


#17
tert-Butyl alcohol
Concen: 0.242 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 59 Resp: 28581

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



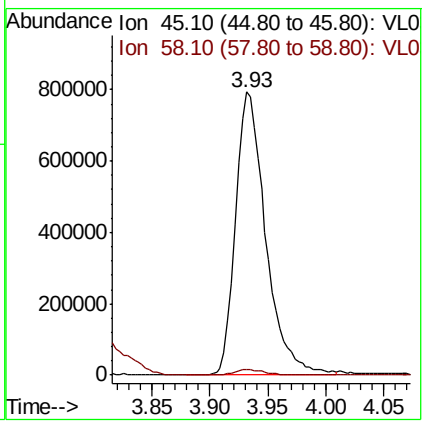


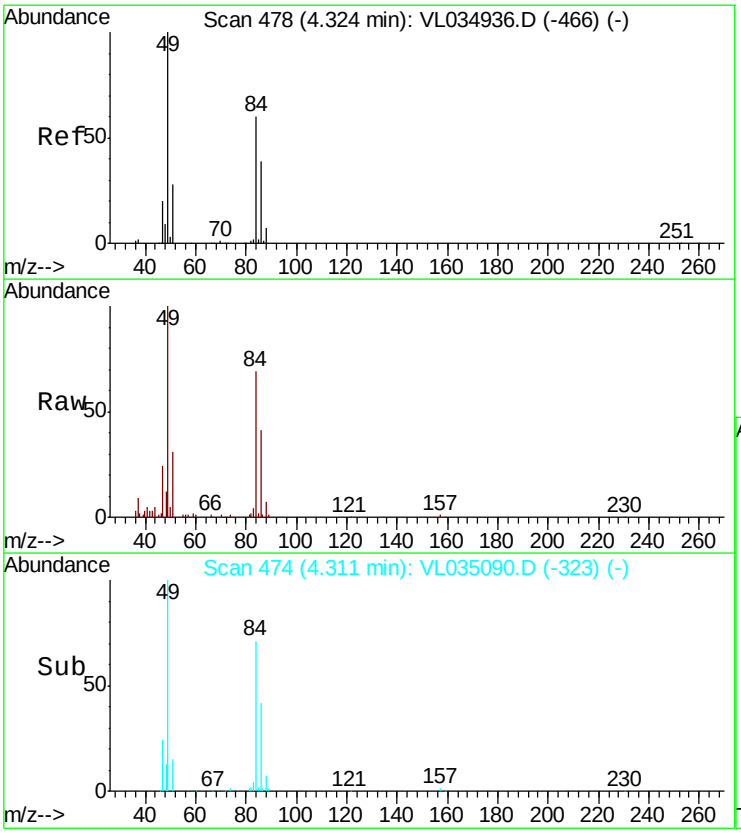
#19
Isopropyl Alcohol
Concen: 15.976 ppbv
RT: 3.93 min Scan# 356
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1416372

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.7	2.5

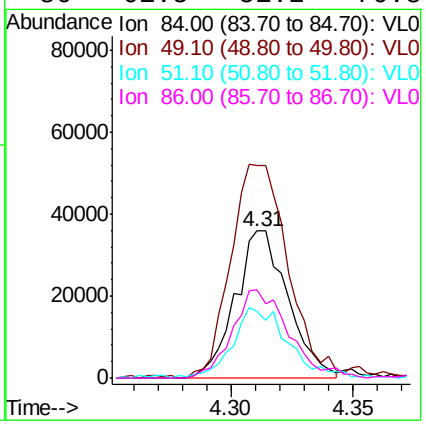


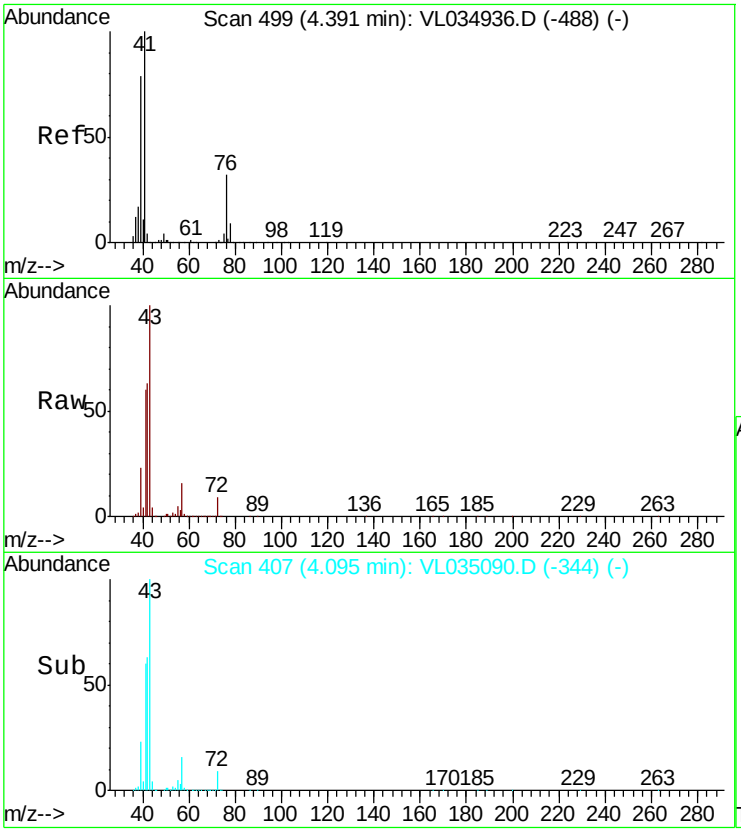


#20
Methylene Chloride
Concen: 1.221 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 84 Resp: 53725

Ion	Ratio	Lower	Upper
84	100		
49	144.8	132.5	198.7
51	43.5	38.4	57.6
86	61.5	51.2	76.8



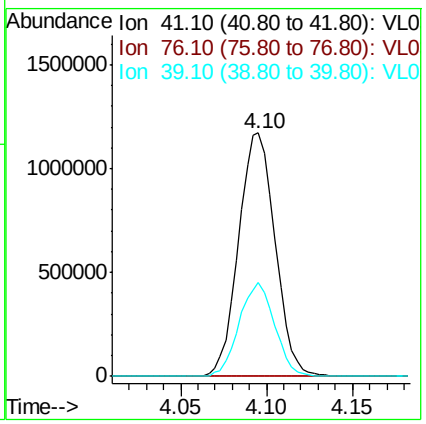


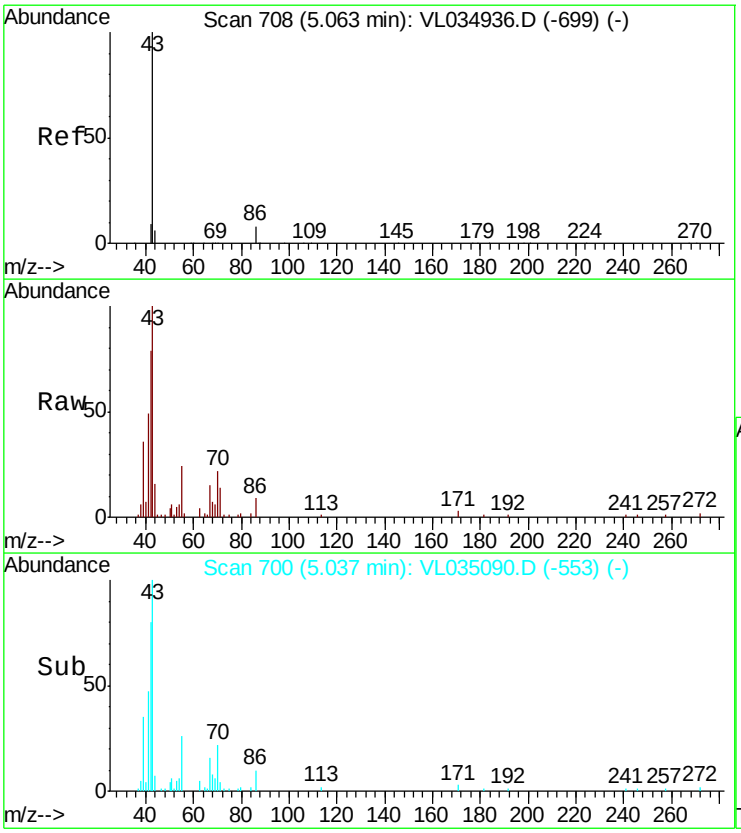
#21
Allyl Chloride
Concen: 22.946 ppbv
RT: 4.10 min Scan# 407
Delta R.T. -0.30 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 1723075

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.6	35.4#
39	37.3	61.9	92.9#

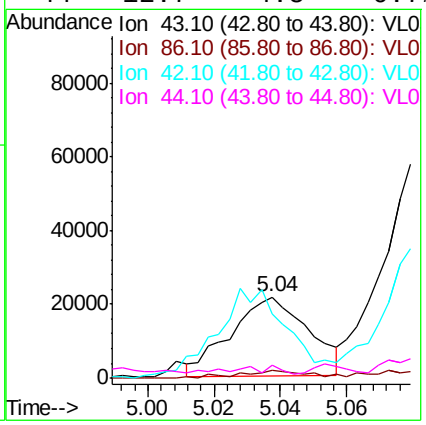


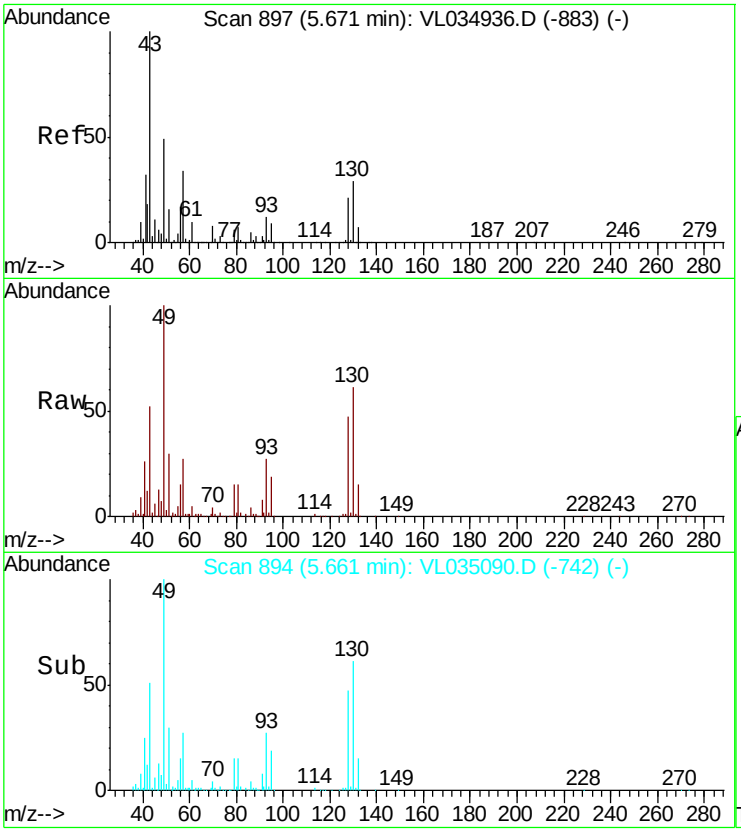


#23
Vinyl Acetate
Concen: 0.206 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.03 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 43 Resp: 34802

Ion	Ratio	Lower	Upper
43	100		
86	10.2	5.5	8.3#
42	71.9	8.0	12.0#
44	12.7	4.5	6.7#



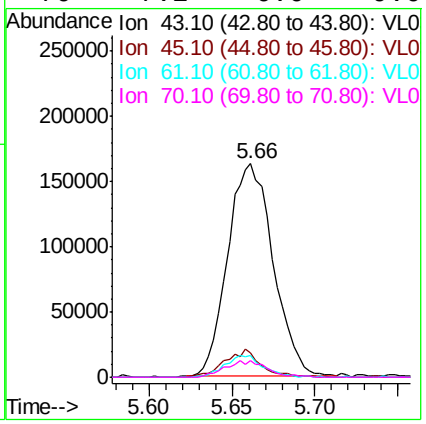


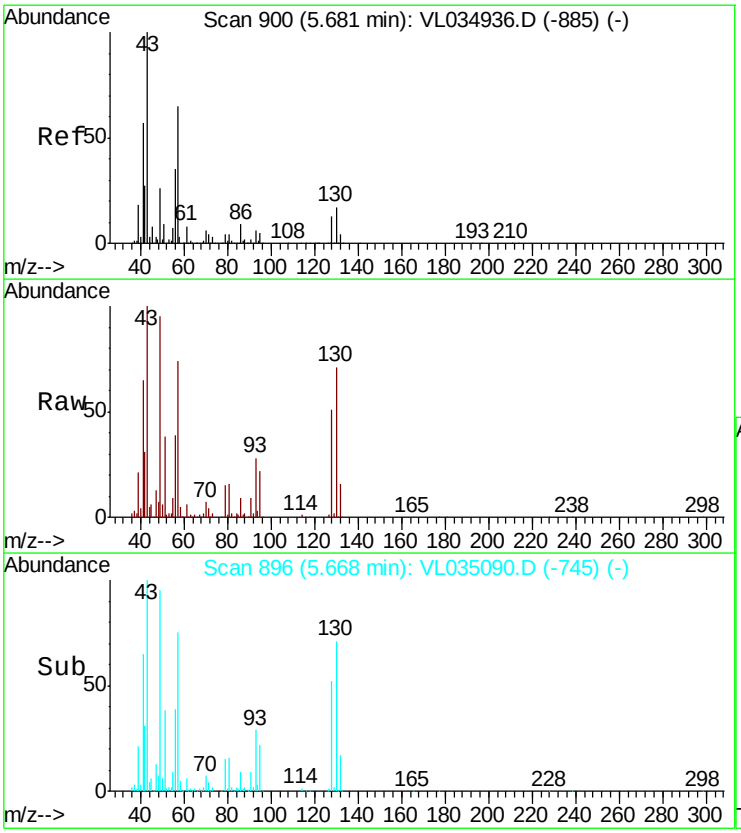
#25
Ethyl Acetate
Concen: 1.392 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 310828

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.1	12.1
61	8.9	7.8	11.8
70	7.2	6.0	9.0

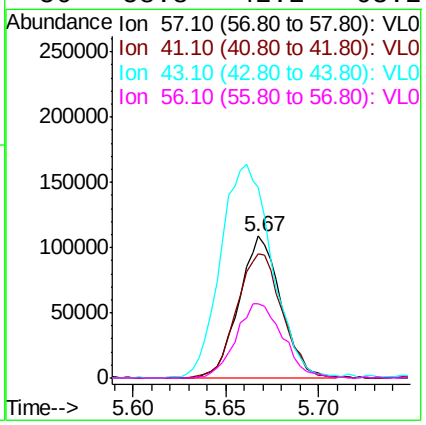


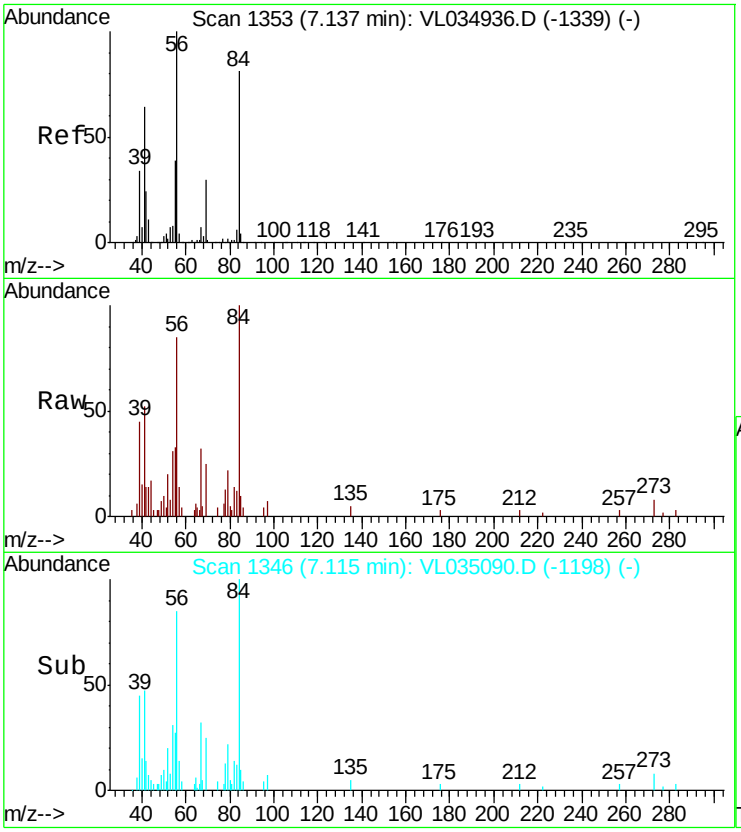


#26
Hexane
Concen: 1.762 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 57 Resp: 170608

Ion	Ratio	Lower	Upper
57	100		
41	95.6	72.7	109.1
43	185.9	182.1	273.1
56	58.8	42.2	63.2



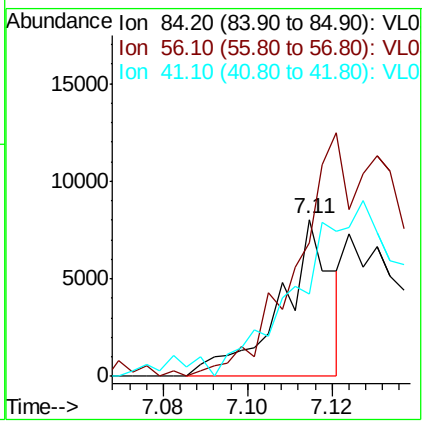


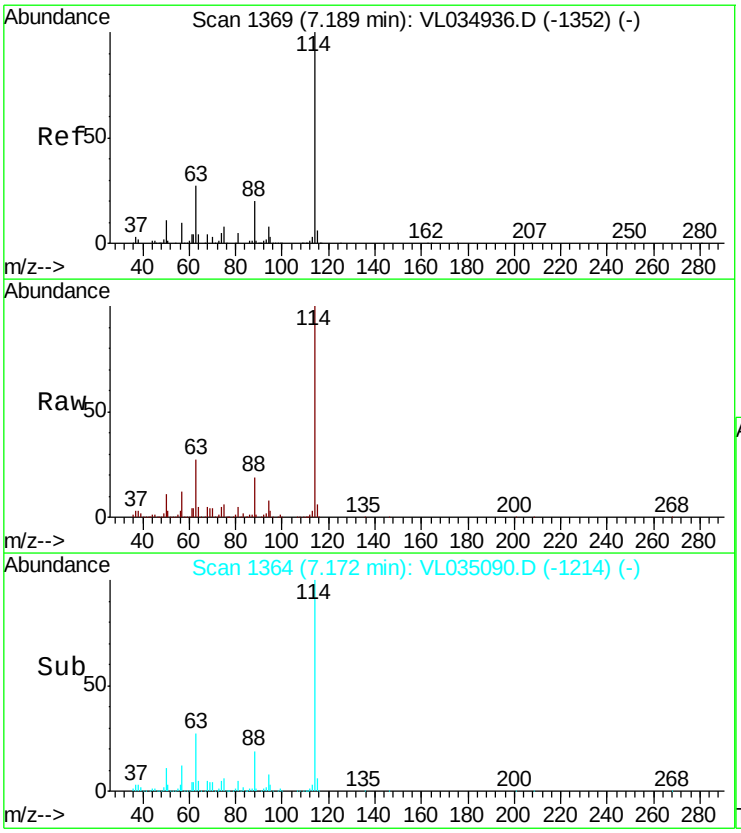
#30
Cyclohexane
Concen: 0.090 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 6699

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.4	167.2#
41	0.0	66.7	100.1#

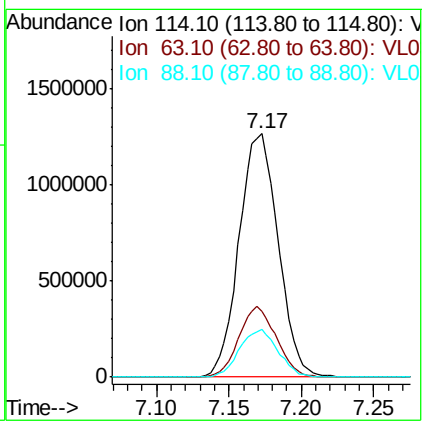


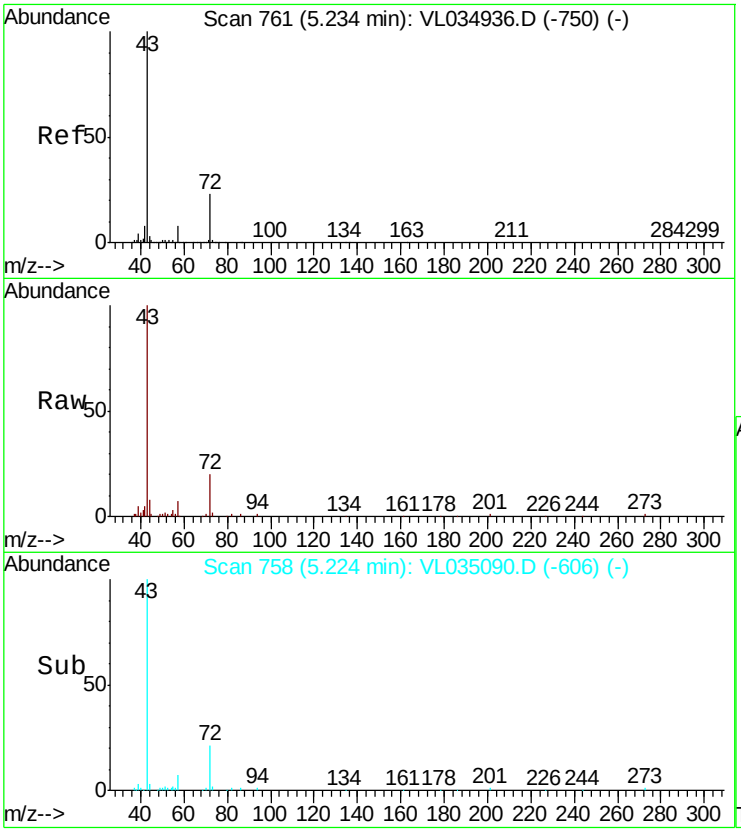


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion:114 Resp: 2377480

Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.2	33.4
88	19.3	15.5	23.3



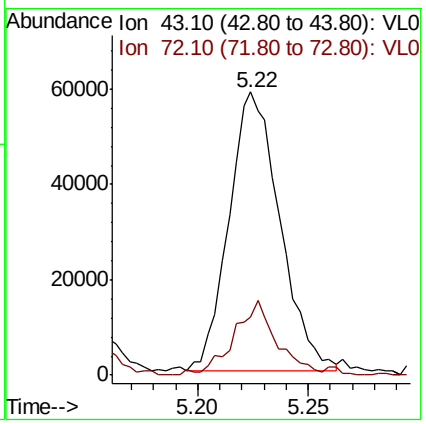


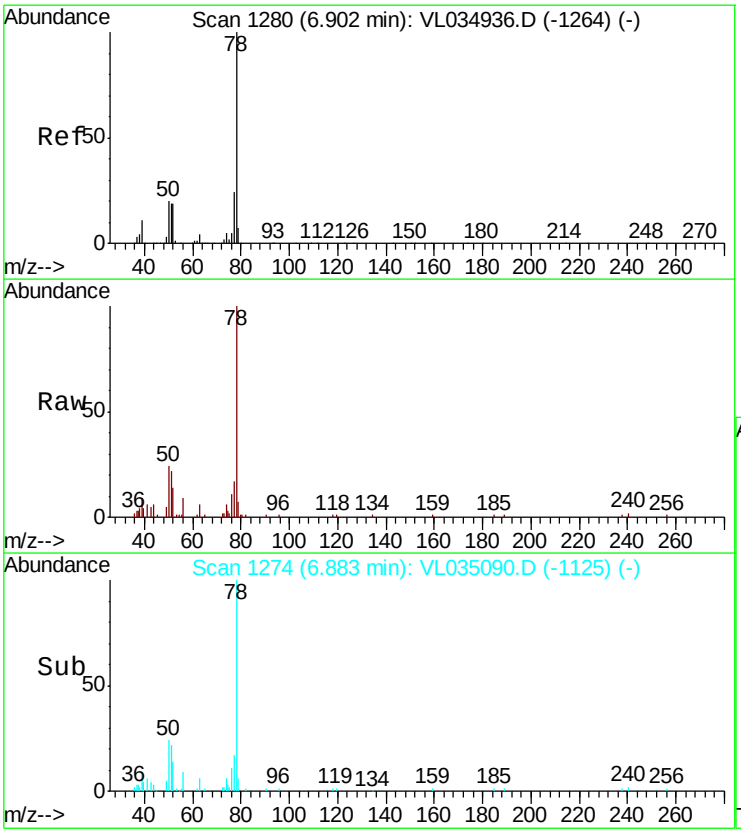
#34
2-Butanone
Concen: 0.636 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 94020

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.0	27.0

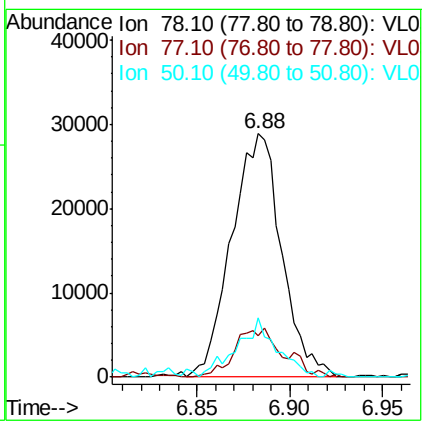


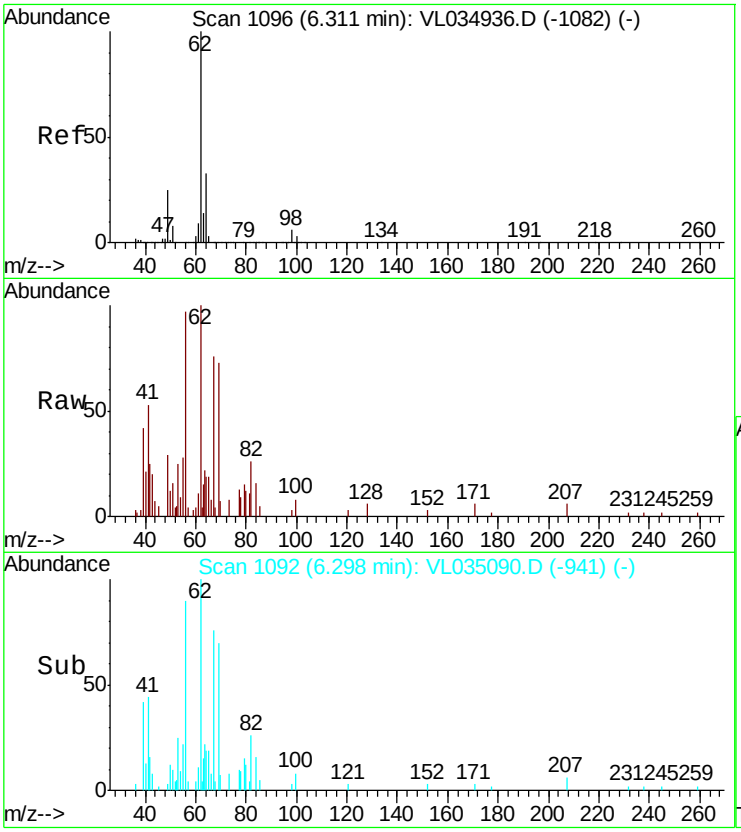


#36
Benzene
Concen: 0.275 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 78 Resp: 53934

Ion	Ratio	Lower	Upper
78	100		
77	15.9	19.0	28.6#
50	20.8	15.8	23.8



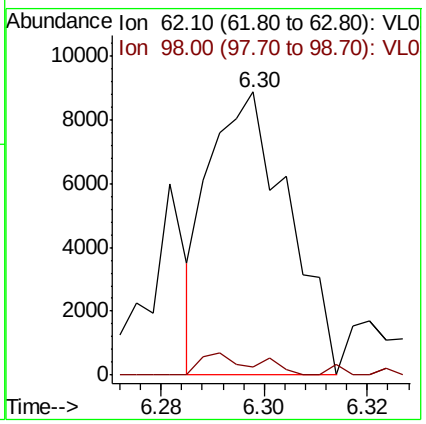


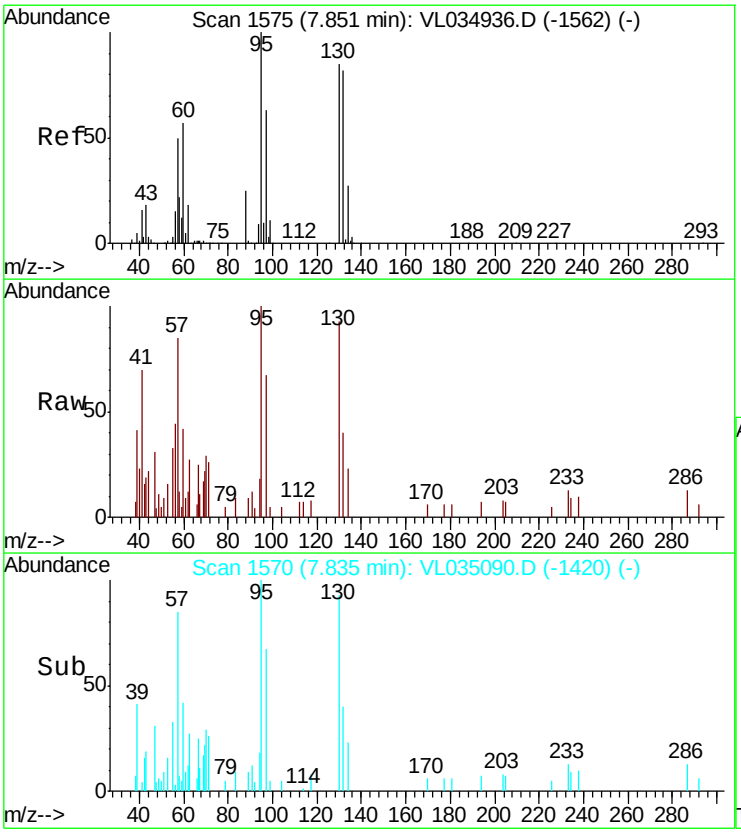
#37
1,2-Dichloroethane
Concen: 0.078 ppbv
RT: 6.30 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 9419

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.8	7.2

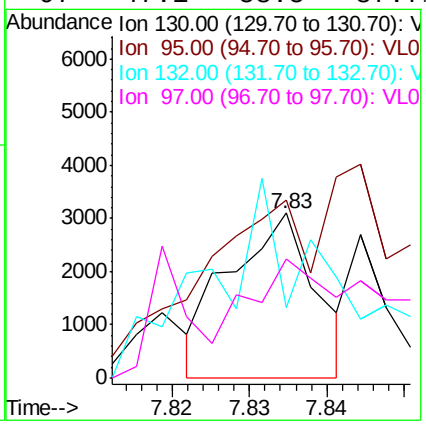


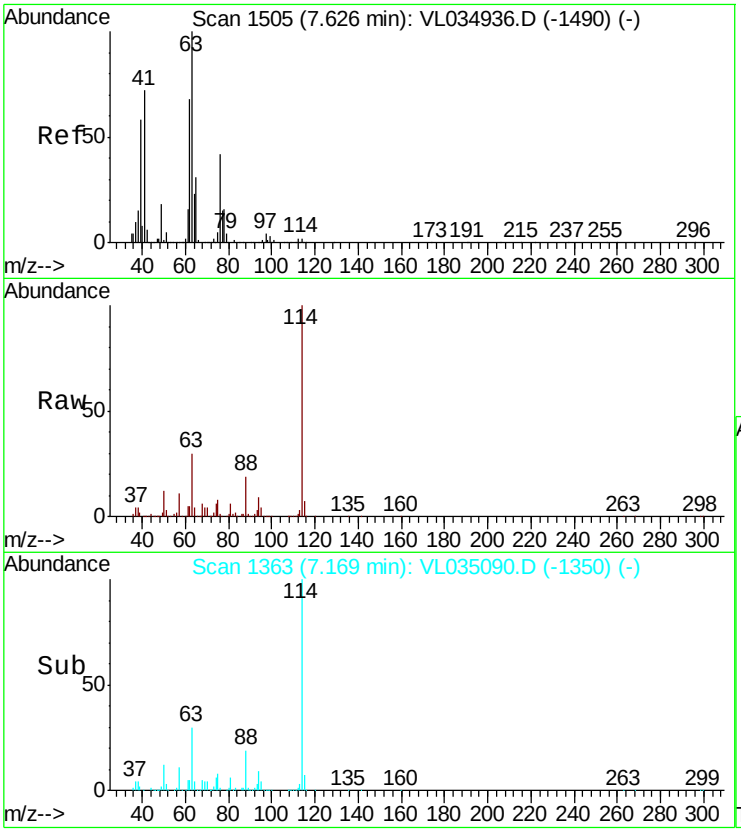


#38
Trichloroethene
Concen: 0.032 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion:130 Resp: 2398

Ion	Ratio	Lower	Upper
130	100		
95	82.0	93.4	140.0#
132	0.0	76.4	114.6#
97	47.1	58.5	87.7#



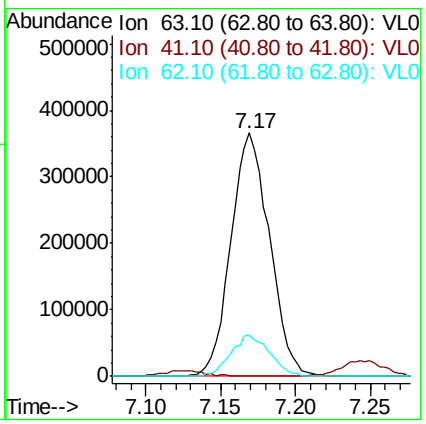


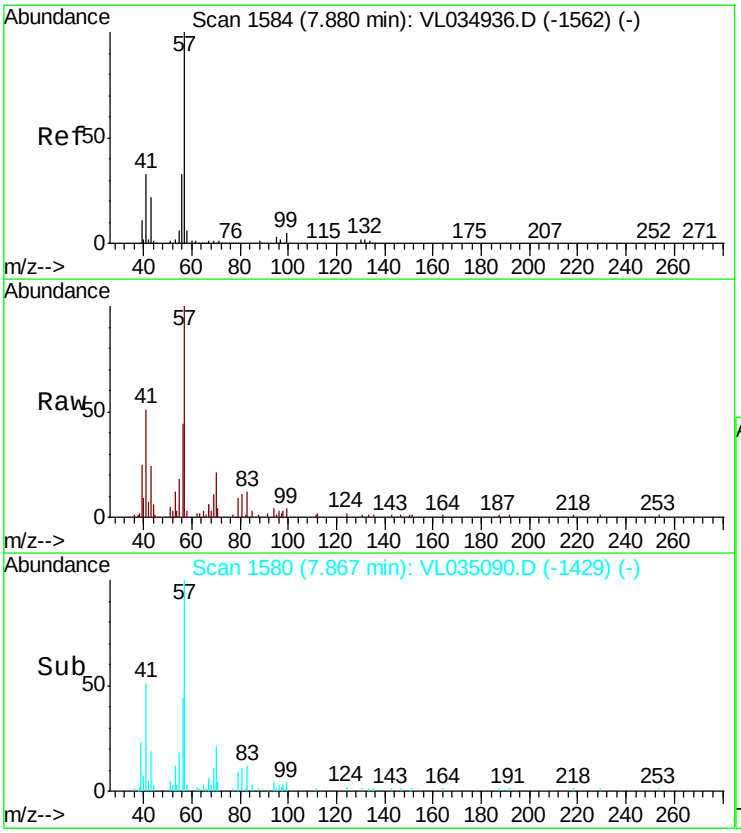
#39
1,2-Dichloropropane
Concen: 8.335 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.46 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 654973

Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	16.7	54.2	81.2#

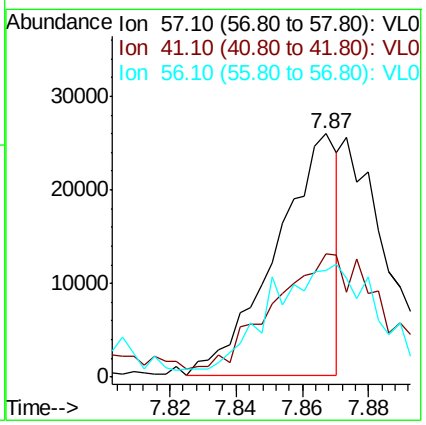


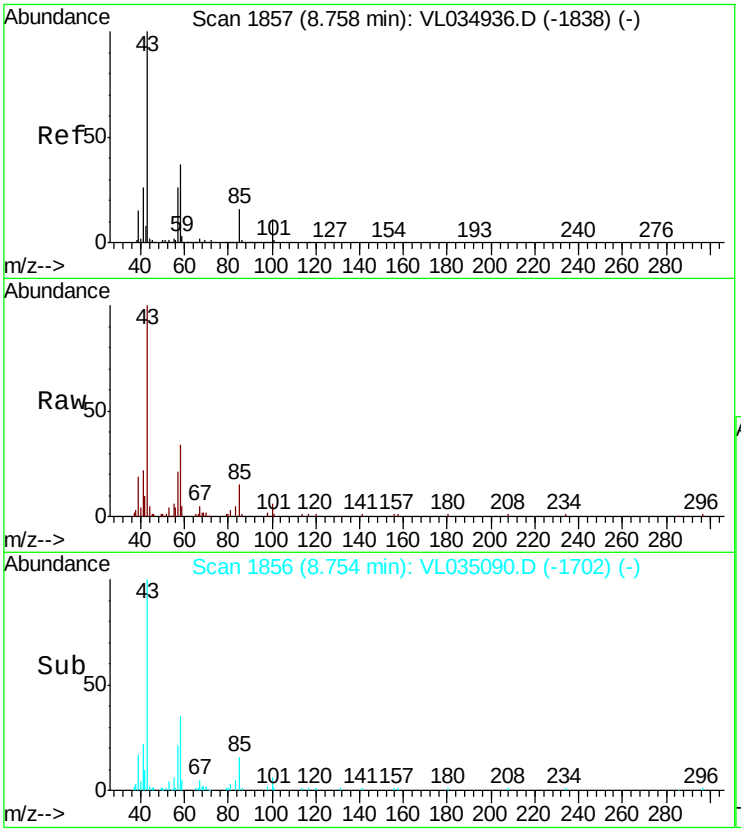


#44
2,2,4-Trimethylpentane
Concen: 0.095 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 57 Resp: 33234

Ion	Ratio	Lower	Upper
57	100		
41	95.5	26.4	39.6#
56	88.1	25.5	38.3#



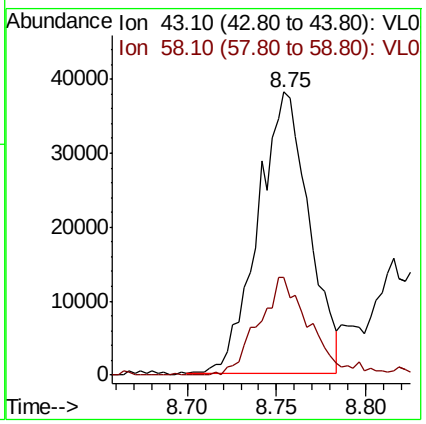


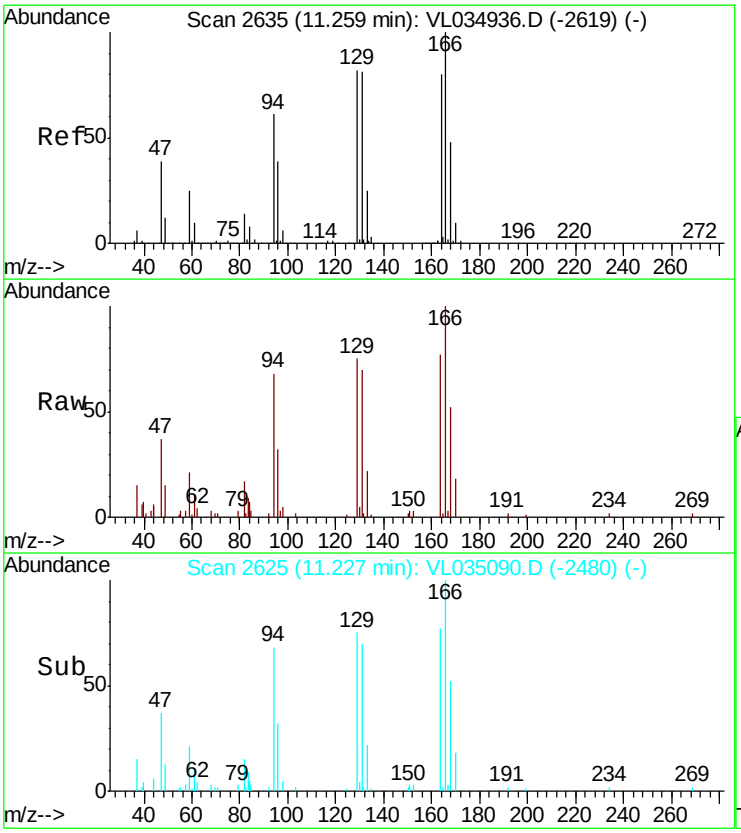
#50
4-Methyl-2-Pentanone
Concen: 0.361 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. -0.00 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 76070

Ion	Ratio	Lower	Upper
43	100		
58	34.9	29.1	43.7

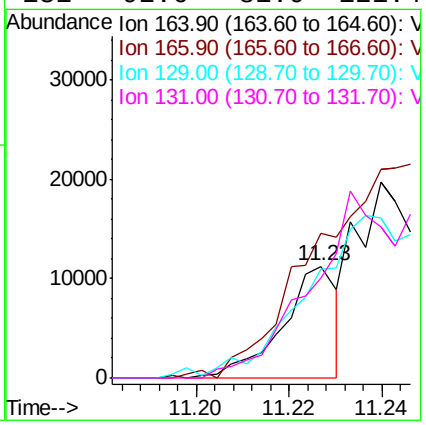


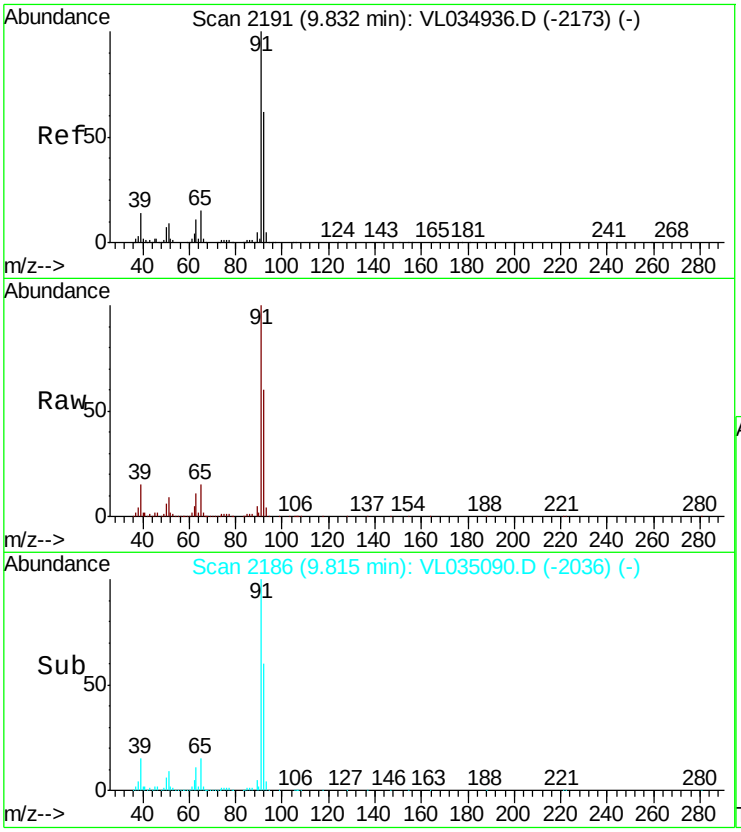


#52
Tetrachloroethene
Concen: 0.132 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.03 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion:164 Resp: 9170

Ion	Ratio	Lower	Upper
164	100		
166	129.3	100.7	151.1
129	88.7	83.0	124.4
131	92.6	81.0	121.4



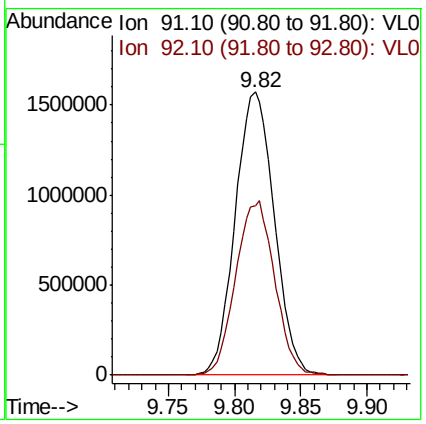


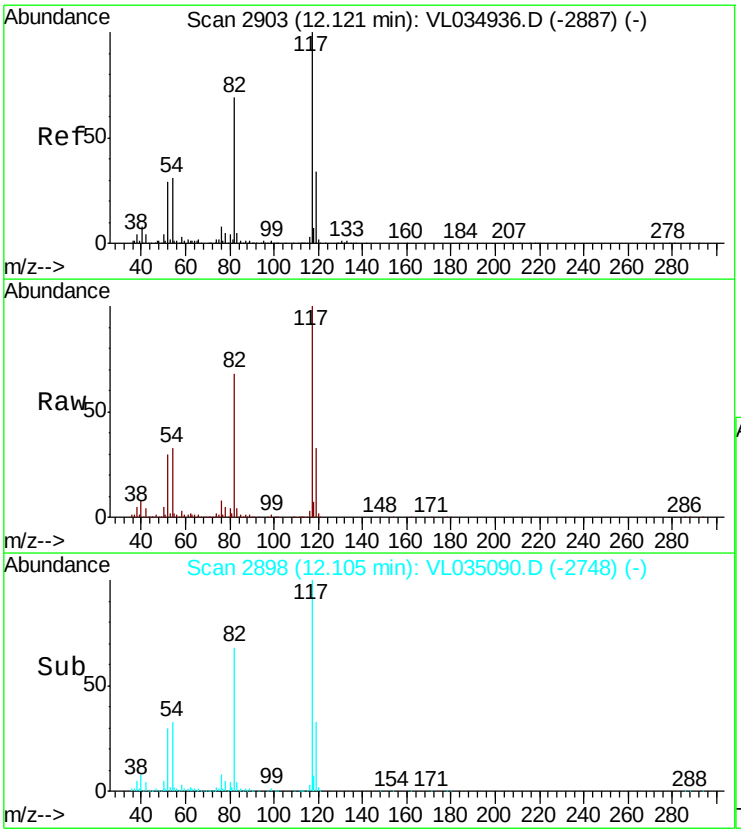
#53
Toluene
Concen: 15.473 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3215174

Ion	Ratio	Lower	Upper
91	100		
92	61.7	48.6	73.0

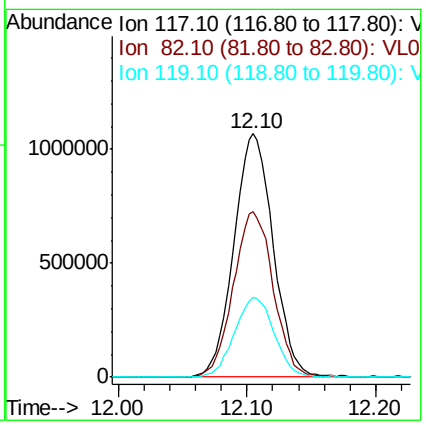


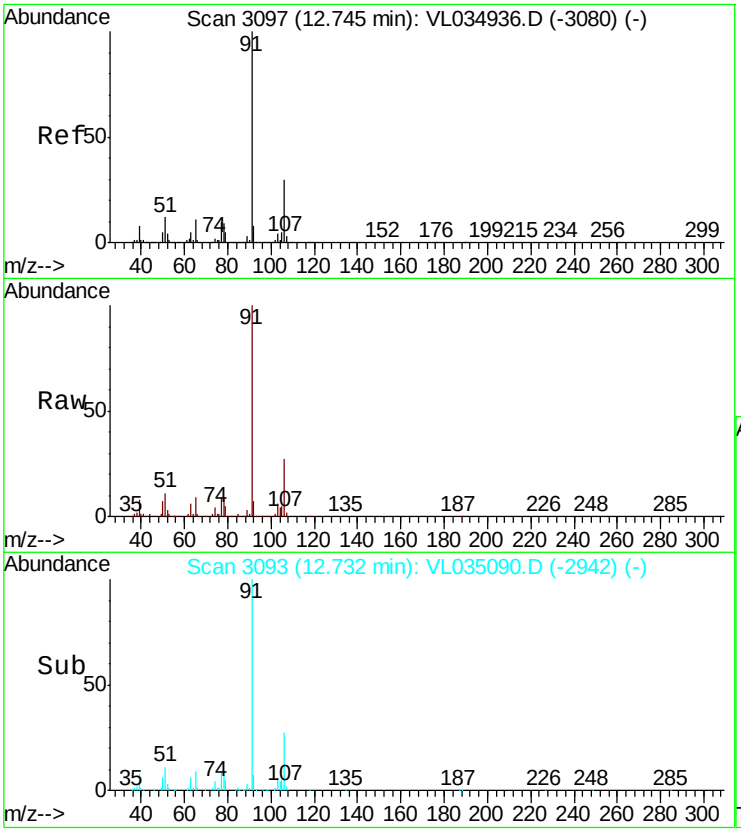


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion:117 Resp: 2256703

Ion	Ratio	Lower	Upper
117	100		
82	69.4	53.1	79.7
119	33.5	26.7	40.1



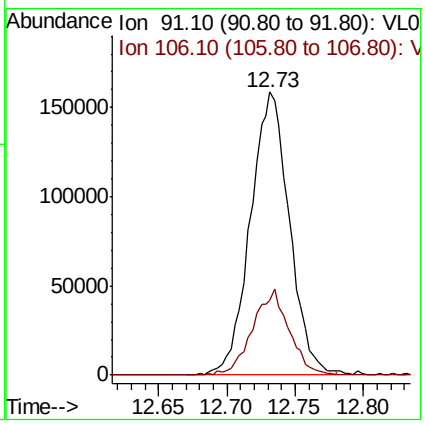


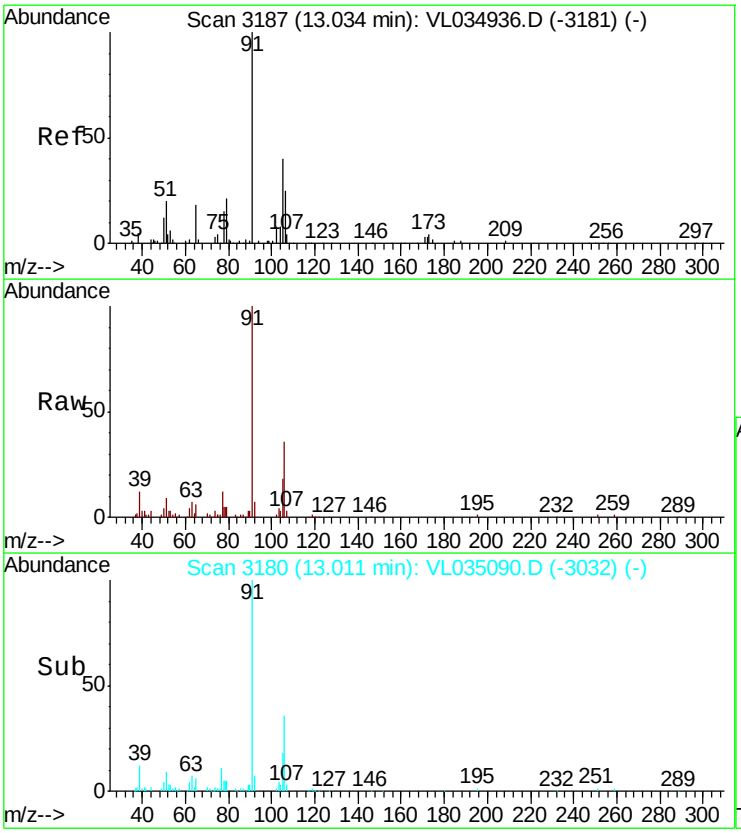
#58
Ethyl Benzene
Concen: 1.127 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 314593

Ion	Ratio	Lower	Upper
91	100		
106	26.6	24.2	36.4

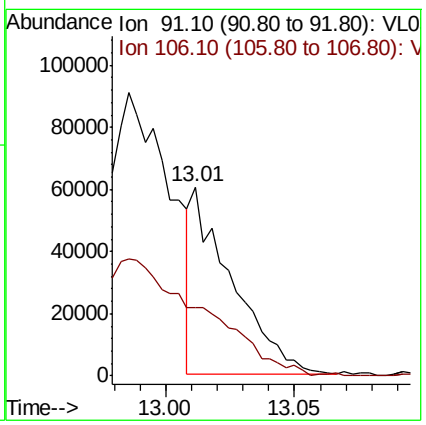


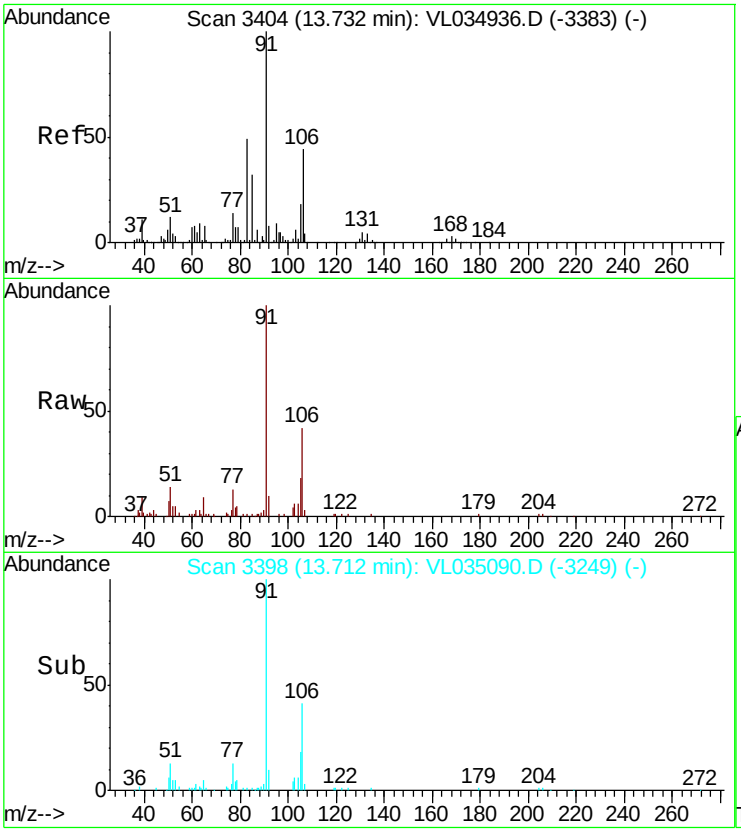


#59
m/p-Xylene
Concen: 0.264 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion: 91 Resp: 64844

Ion	Ratio	Lower	Upper
91	100		
106	0.0	66.0	99.0#



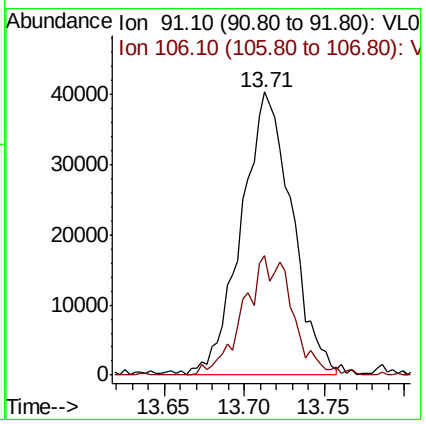


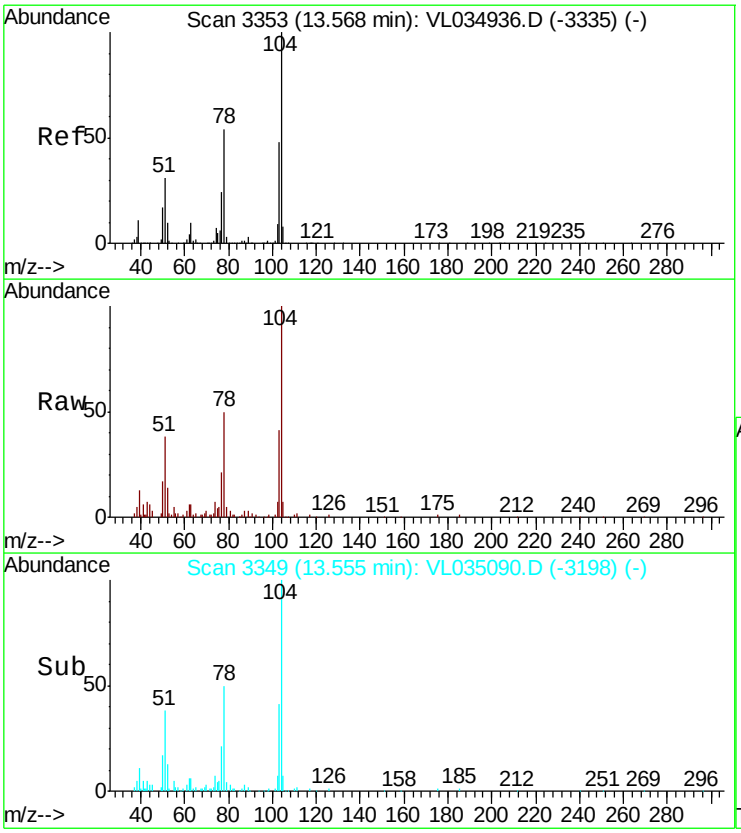
#60
o-Xylene
Concen: 0.360 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 87250

Ion	Ratio	Lower	Upper
91	100		
106	41.2	21.9	65.5

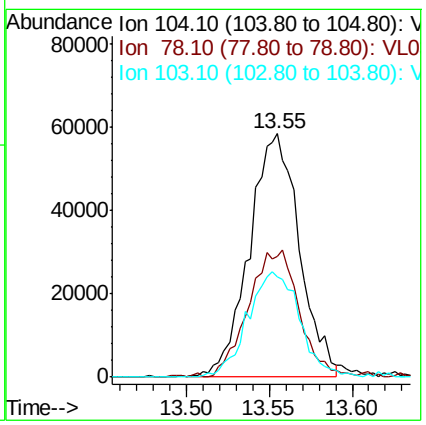


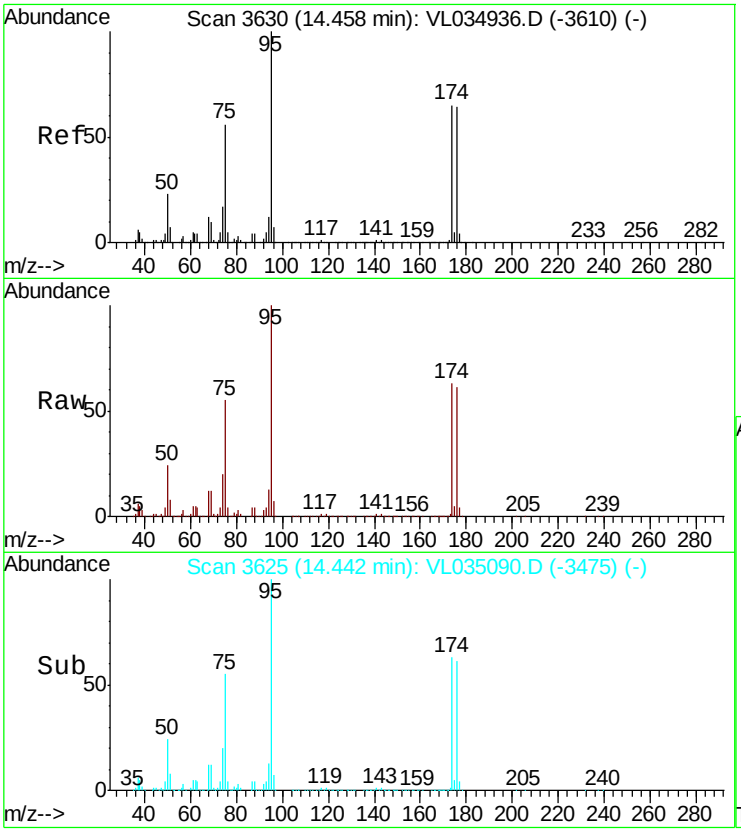


#61
Styrene
Concen: 0.799 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.01 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Tgt Ion:104 Resp: 122502

Ion	Ratio	Lower	Upper
104	100		
78	54.1	43.7	65.5
103	45.6	38.8	58.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.550 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.02 min
Lab File: VL035090.D
Acq: 22 May 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1927090

Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.5	77.3
175	4.7	3.8	5.8