Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112420\
Data File : VL036012.D
Acq On : 25 Nov 2020 2:59
Operator : SY/AP
Sample : L4883-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 25 07:18:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	1231427	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.15	114	4359573	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.06	117	3996747	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	3073602	10.82	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	61288	0.264	ppbv		93
3) Chlorodifluoromethane	2.94	51	130916	0.888	ppbv	#	72
4) Chloromethane	3.12	50	42197	0.589	ppbv	#	87
9) Propene	3.00	41	90564	1.678	ppbv	#	80
10) Heptane	8.10	43	4905	0.033	ppbv	#	26
11) Trichlorofluoromethane	3.92	101	68323	0.235	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.46	101	13429	0.062	ppbv		91
13) Ethanol	3.59	45	4050644	345.927	ppbv		96
15) Acetone	3.83	43	1184547	8.998	ppbv		98
16) 1,3-Butadiene	3.29	39	12645	0.223	ppbv	#	75
17) tert-Butyl alcohol	4.29	59	5868	0.034	ppbv	#	72
19) Isopropyl Alcohol	3.96	45	109802	1.357	ppbv	#	1
20) Methylene Chloride	4.32	84	5135883	55.416	ppbv	#	93
23) Vinyl Acetate	5.04	43	24019	0.130	ppbv	#	11
25) Ethyl Acetate	5.66	43	1255535	4.841	ppbv	#	72
26) Hexane	5.66	57	2188664	15.302	ppbv	#	46
30) Cyclohexane	7.10	84	12661	0.081	ppbv	#	1
34) 2-Butanone	5.23	43	107176	0.757	ppbv		97
35) Carbon Tetrachloride	6.99	117	8681	0.037	ppbv		86
36) Benzene	6.86	78	84252	0.260	ppbv		98
39) 1,2-Dichloropropane	7.15	63	902988	8.275	ppbv	#	30
41) Tetrahydrofuran	6.29	42	9188	0.114	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.84	57	51779	0.121	ppbv	#	77
50) 4-Methyl-2-Pentanone	8.73	43	190502	0.881	ppbv		93
52) Tetrachloroethene	11.19	164	8423	0.055	ppbv		94
53) Toluene	9.78	91	1510329	3.862	ppbv		97
59) m/p-Xylene	12.97	91	13229	0.032	ppbv	#	28
60) o-Xylene	13.66	91	28384	0.071	ppbv		98
74) 1,2,4-Trimethylbenzene	16.74	105	36515	0.077	ppbv	#	64
76) 1,4-Dichlorobenzene	17.11	146	27974	0.096	ppbv		76

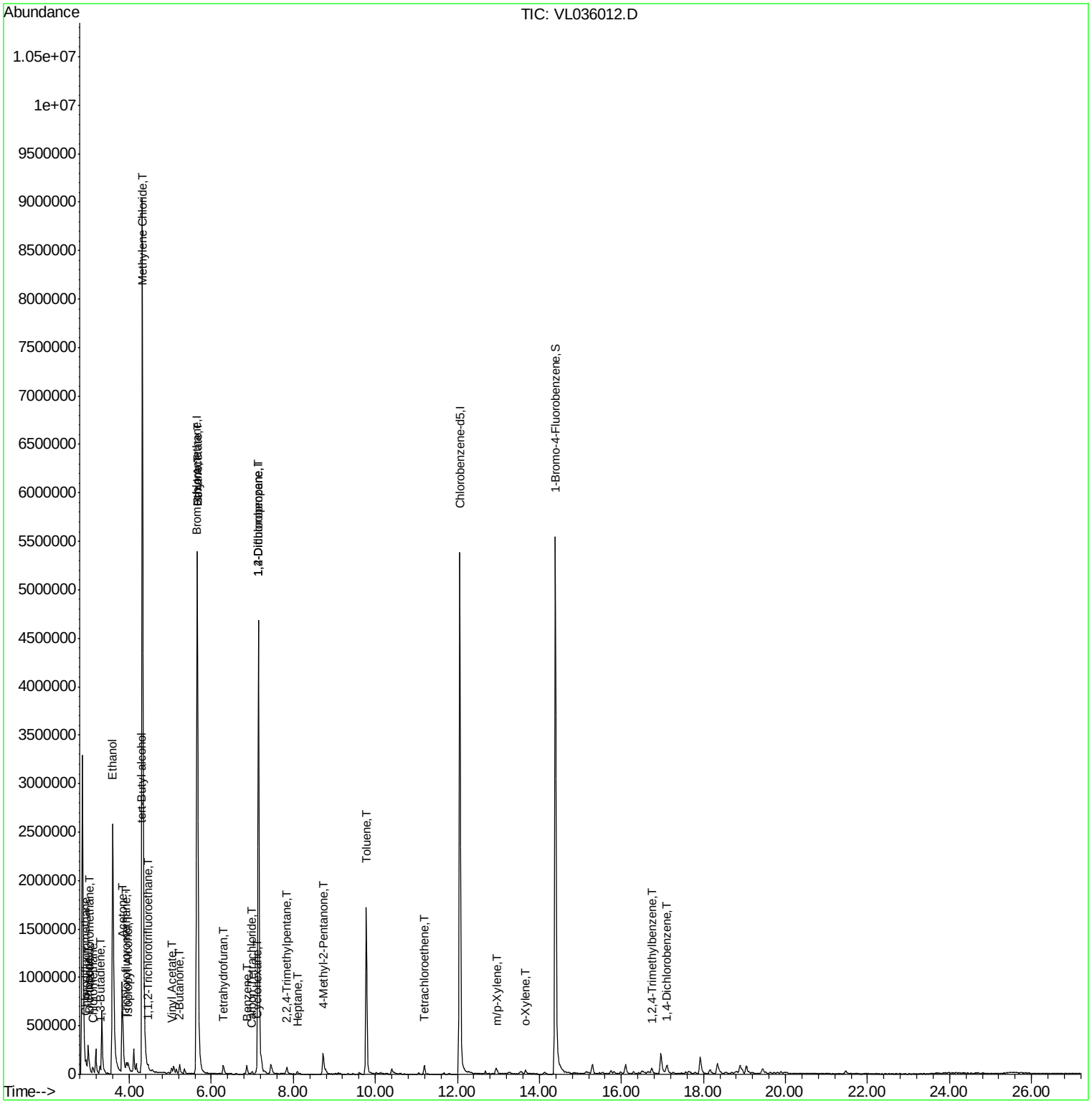
(#) = qualifier out of range (m) = manual integration (+) = signals summed

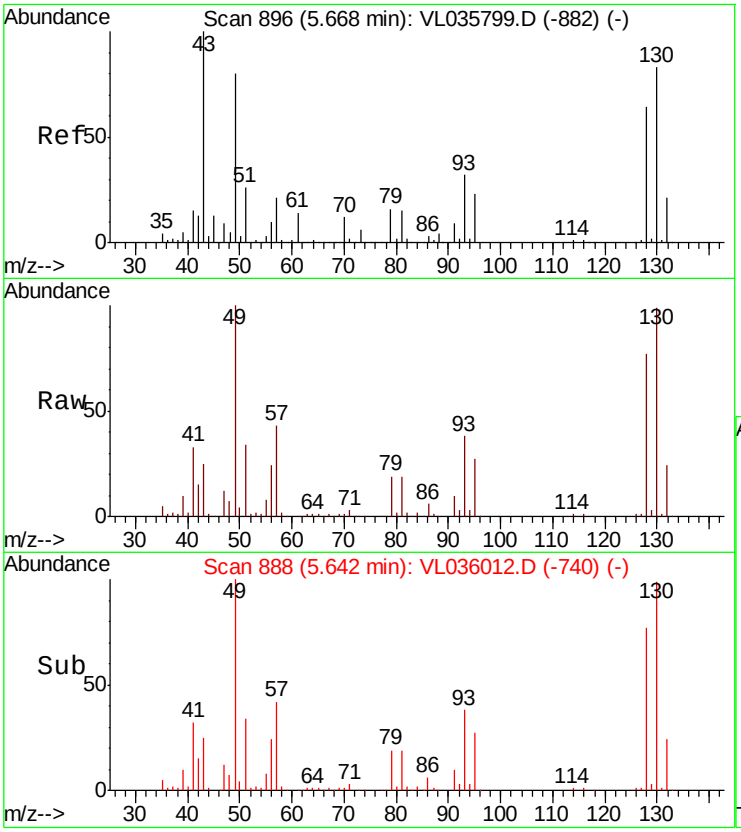
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112420\
Data File : VL036012.D
Acq On : 25 Nov 2020 2:59
Operator : SY/AP
Sample : L4883-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 25 07:18:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration



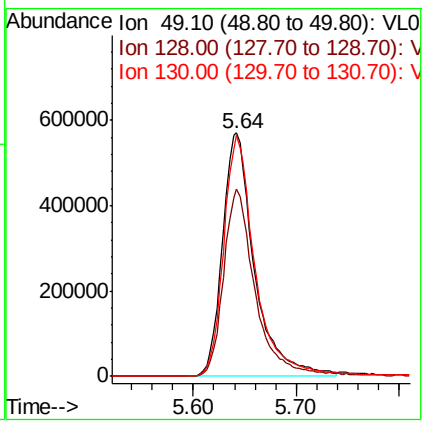


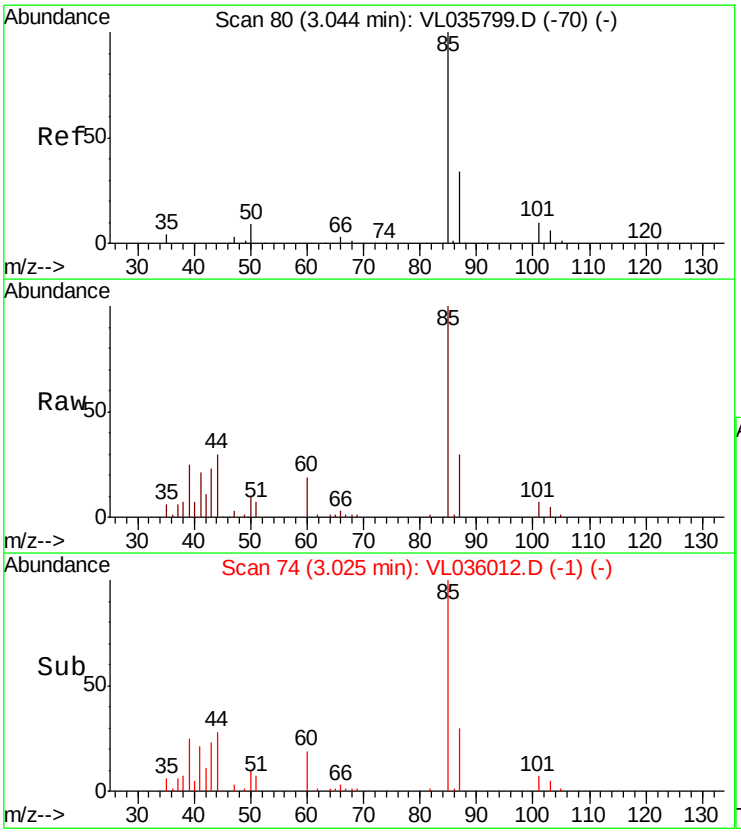
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.03 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1231427

Ion	Ratio	Lower	Upper
49	100		
128	77.0	41.5	124.6
130	99.2	53.7	161.1

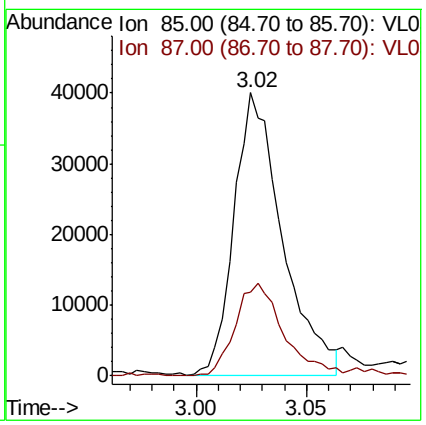


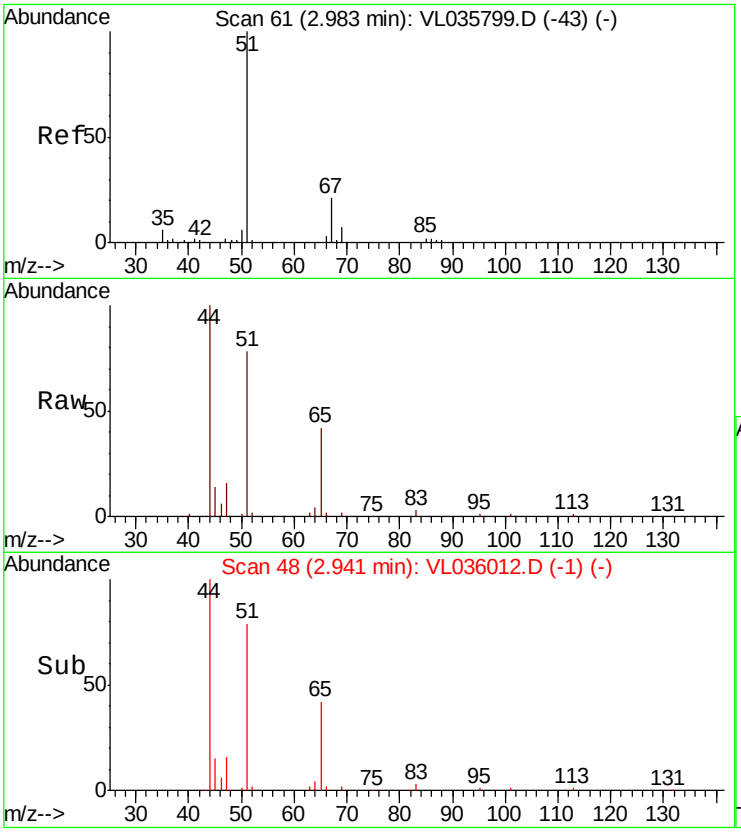


#2
Dichlorodifluoromethane
Concen: 0.264 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.02 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 85 Resp: 61288

Ion	Ratio	Lower	Upper
85	100		
87	29.6	27.1	40.7



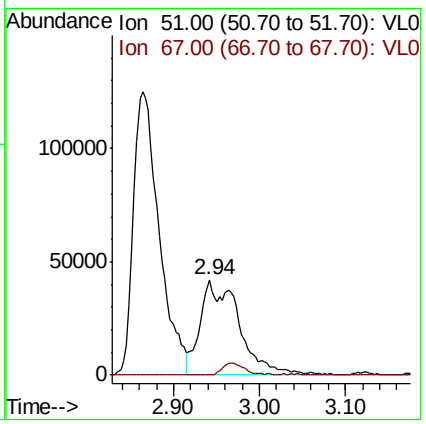


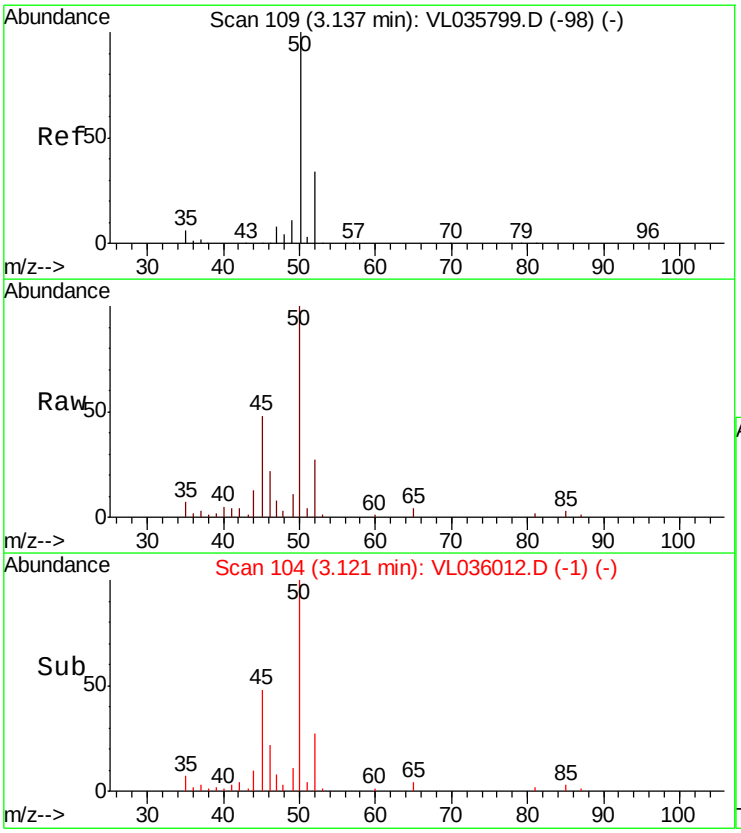
#3
Chlorodifluoromethane
Concen: 0.888 ppbv
RT: 2.94 min Scan# 48
Delta R.T. -0.04 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 51 Resp: 130916

Ion	Ratio	Lower	Upper
51	100		
67	7.9	17.0	25.4#

Instrument :
MSVOA_L
ClientSampleId :

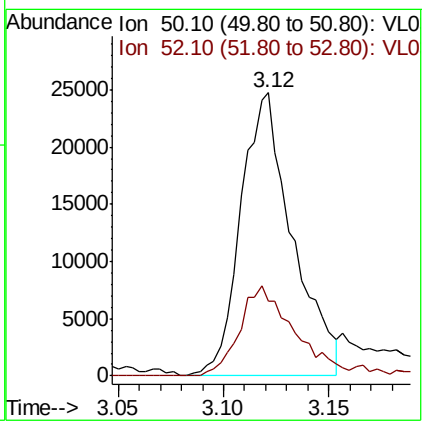


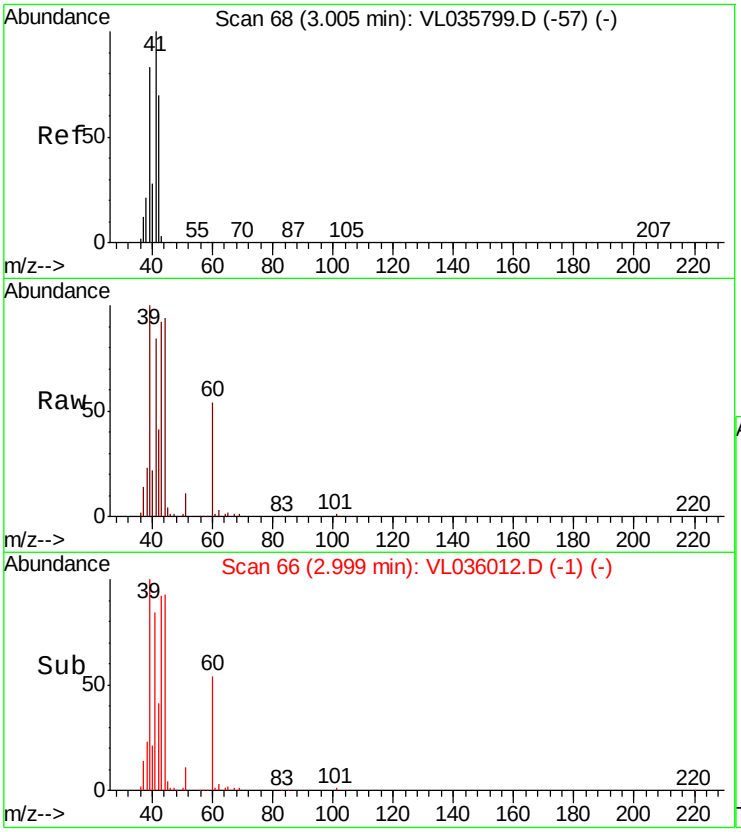


#4
Chloromethane
Concen: 0.589 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 50 Resp: 42197

Ion	Ratio	Lower	Upper
50	100		
52	26.6	27.1	40.7#



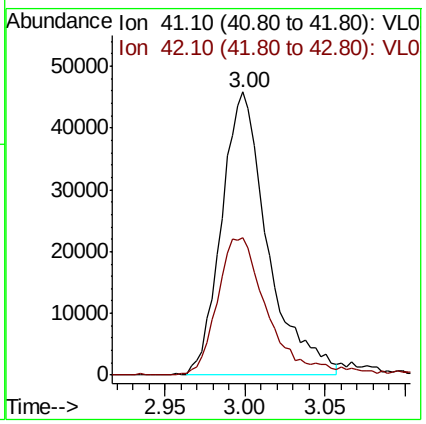


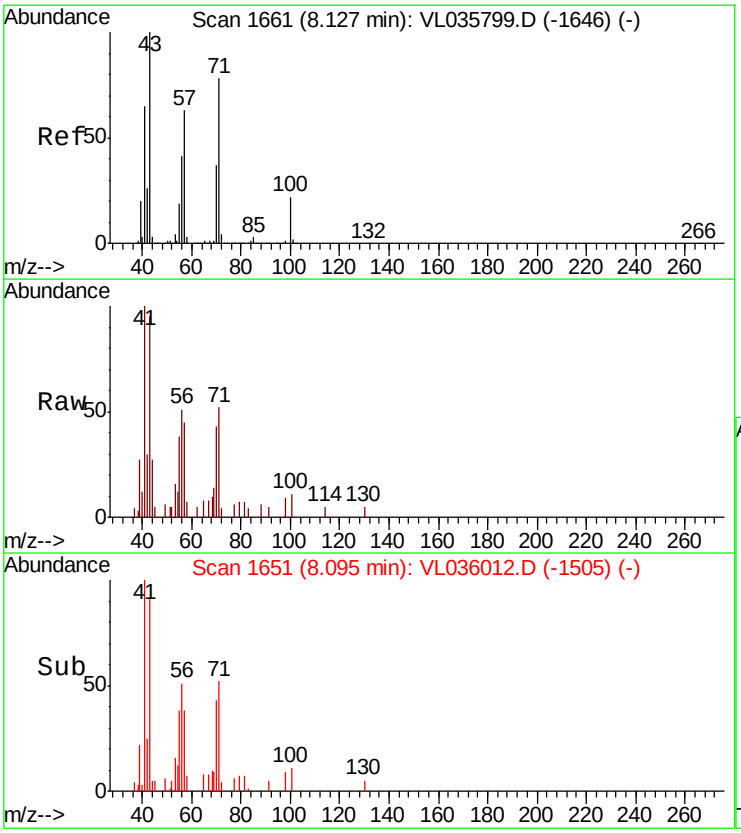
#9
Propene
Concen: 1.678 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 90564

Ion	Ratio	Lower	Upper
41	100		
42	54.0	56.2	84.4#

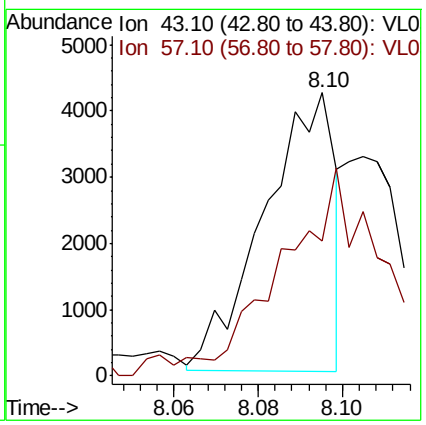


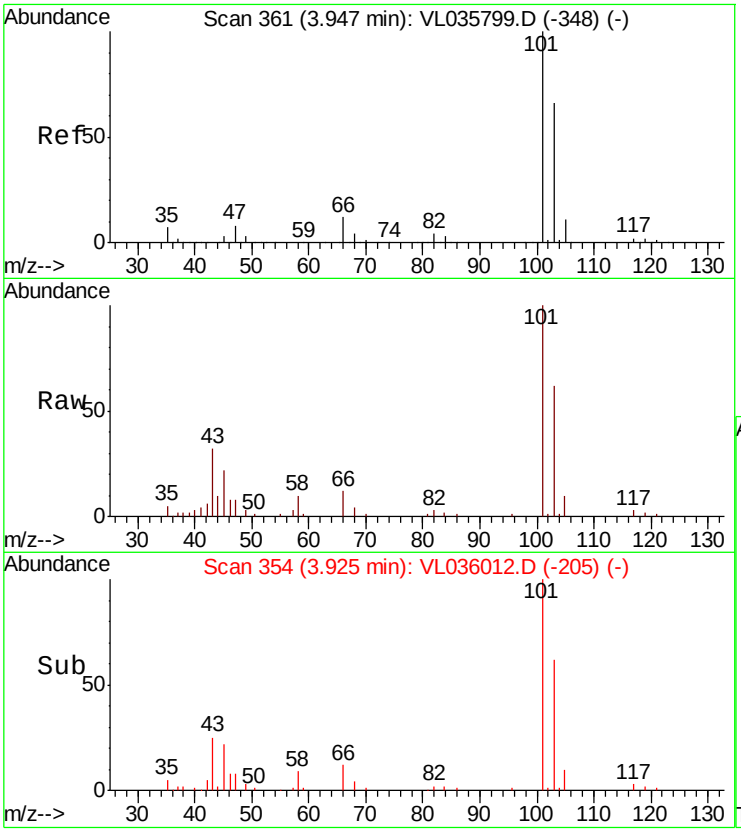


#10
Heptane
Concen: 0.033 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.03 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 43 Resp: 4905

Ion	Ratio	Lower	Upper
43	100		
57	119.9	50.0	75.0#



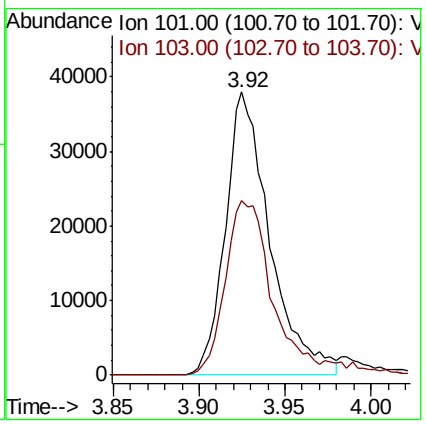


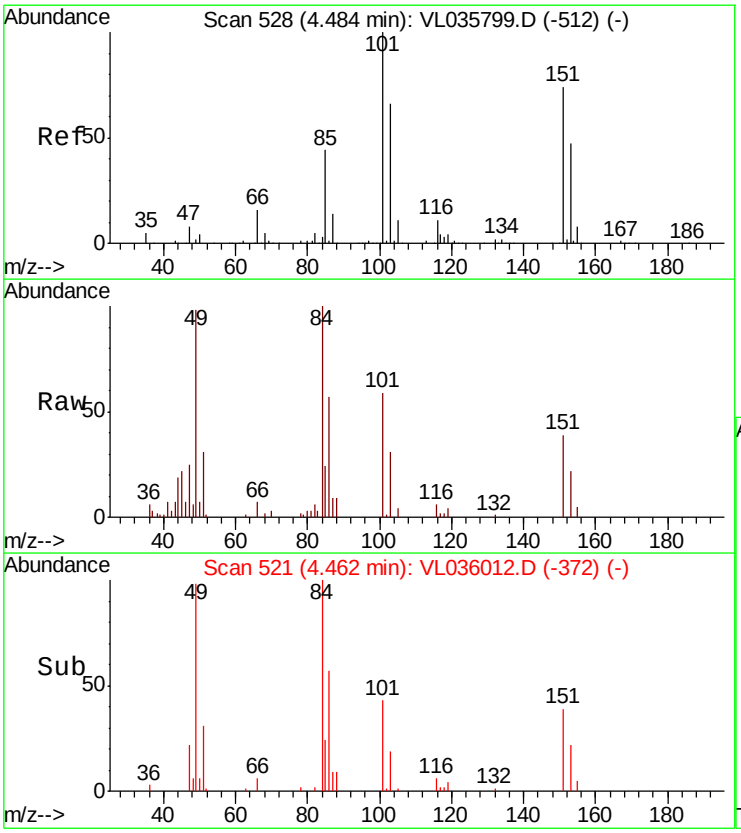
#11
Trichlorofluoromethane
Concen: 0.235 ppbv
RT: 3.92 min Scan# 354
Delta R.T. -0.02 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 68323

Ion	Ratio	Lower	Upper
101	100		
103	61.8	53.0	79.4

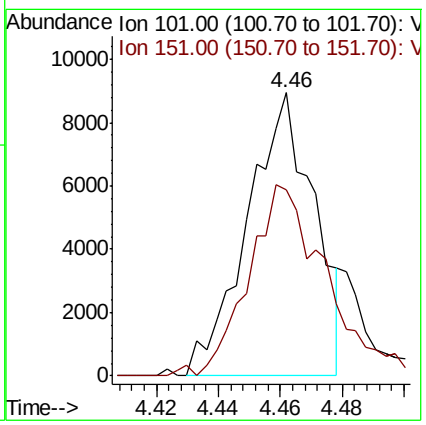


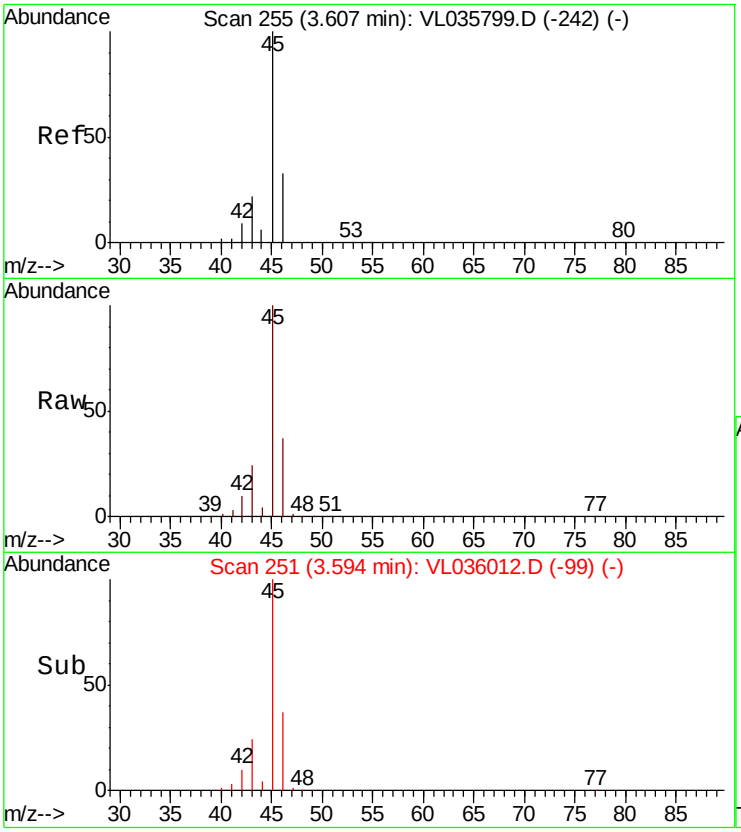


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.062 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.02 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion:101 Resp: 13429

Ion	Ratio	Lower	Upper
101	100		
151	81.4	58.9	88.3



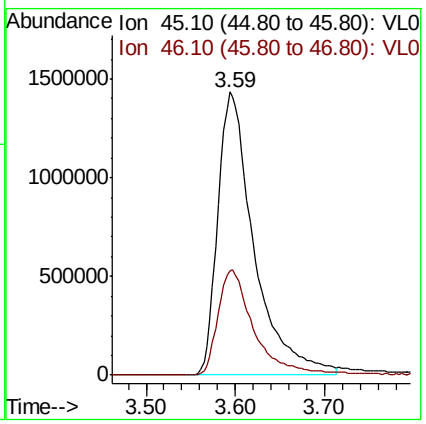


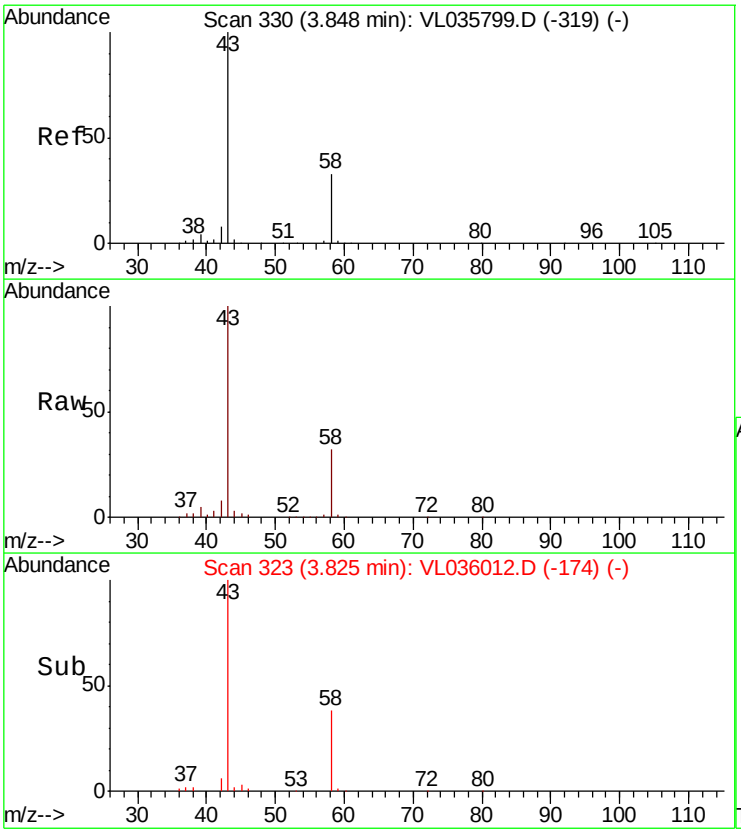
#13
Ethanol
Concen: 345.927 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 4050644

Ion	Ratio	Lower	Upper
45	100		
46	37.8	16.1	64.5

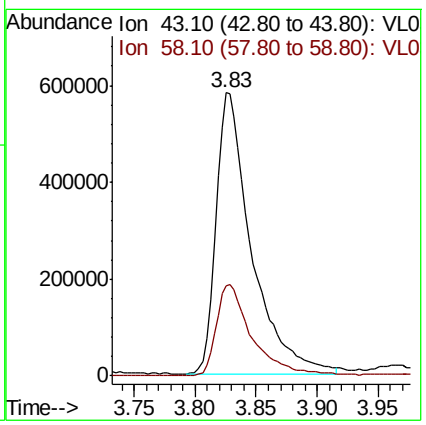


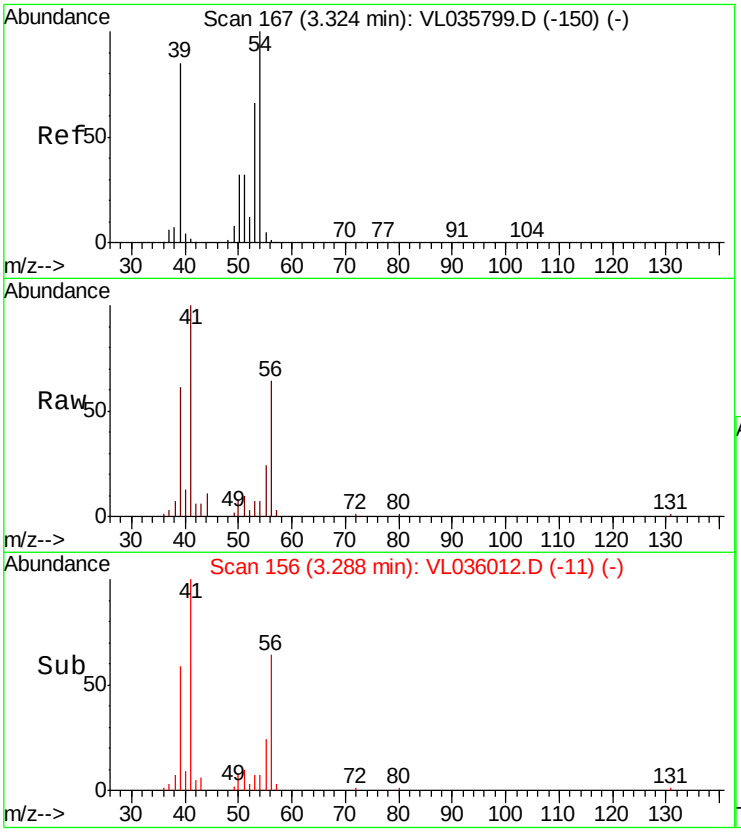


#15
Acetone
Concen: 8.998 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.02 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 43 Resp: 1184547

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.5	41.3



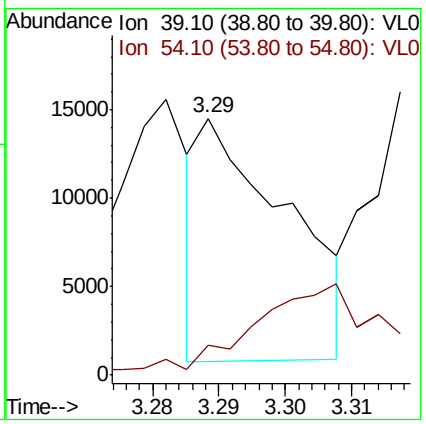


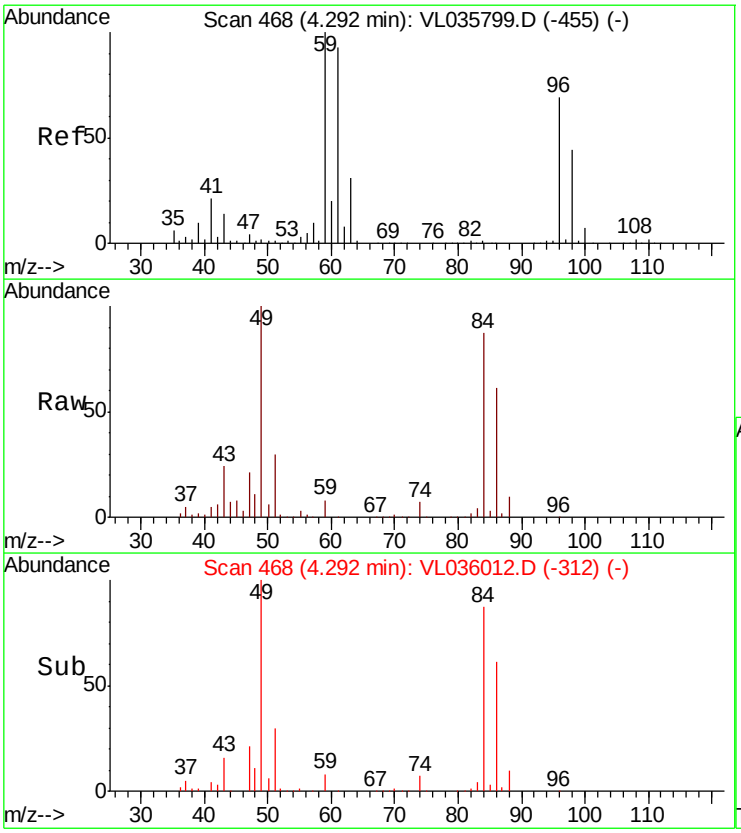
#16
1,3-Butadiene
Concen: 0.223 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.04 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 12645

Ion	Ratio	Lower	Upper
39	100		
54	82.6	87.1	130.7#

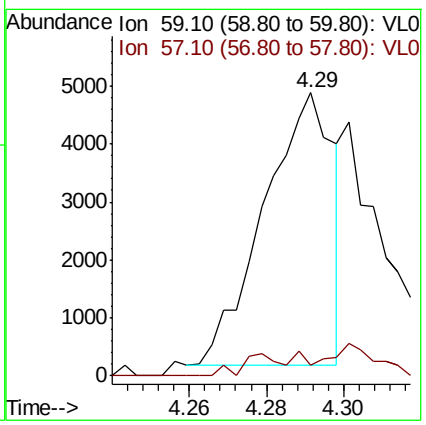


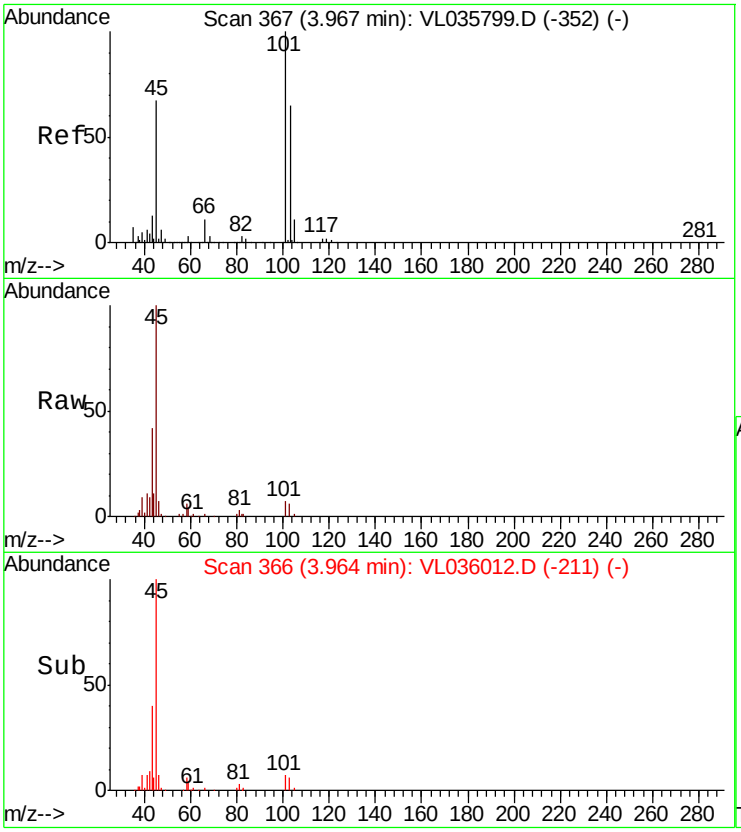


#17
tert-Butyl alcohol
Concen: 0.034 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 59 Resp: 5868

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#



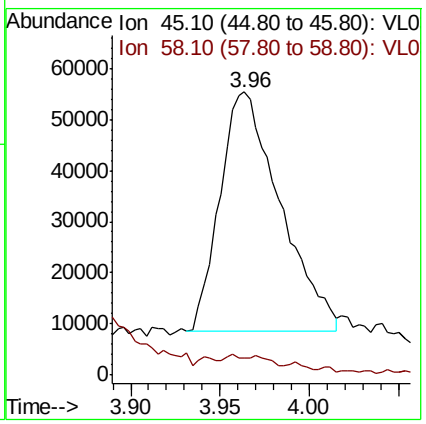


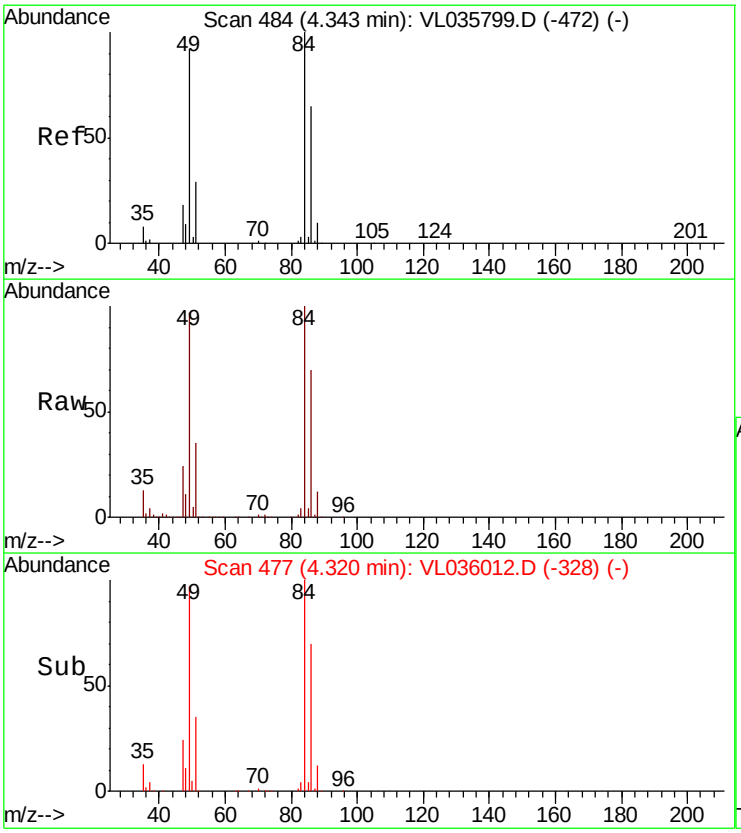
#19
Isopropyl Alcohol
Concen: 1.357 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.00 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 109802

Ion	Ratio	Lower	Upper
45	100		
58	359.0	2.6	3.8#

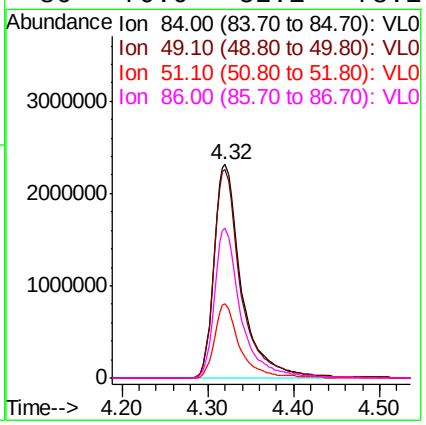


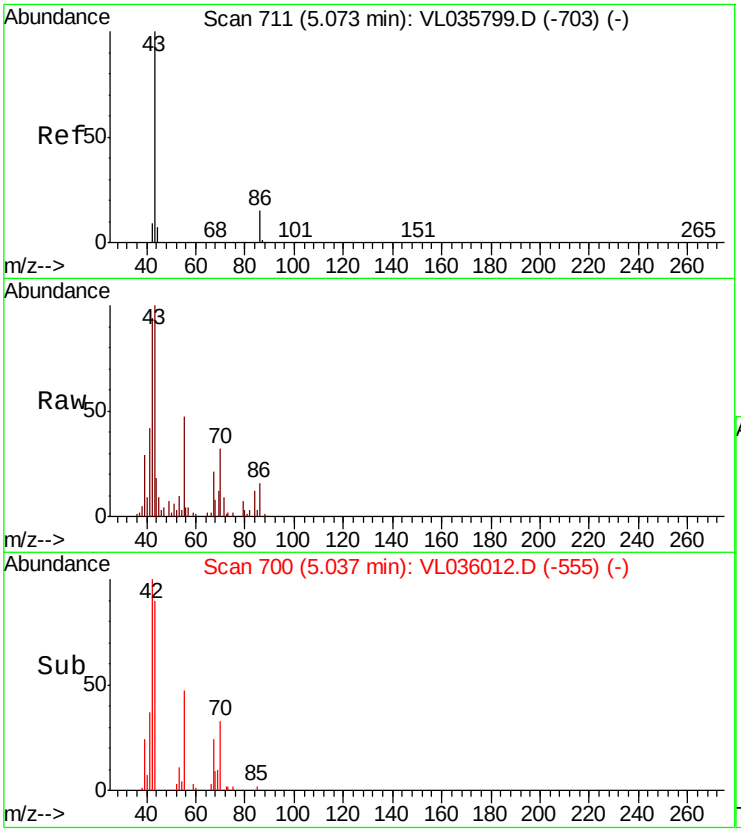


#20
Methylene Chloride
Concen: 55.416 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 84 Resp: 5135883

Ion	Ratio	Lower	Upper
84	100		
49	97.5	73.8	110.8
51	34.6	23.0	34.4#
86	70.0	52.1	78.1



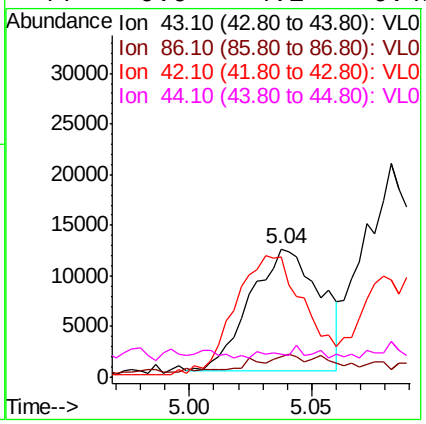


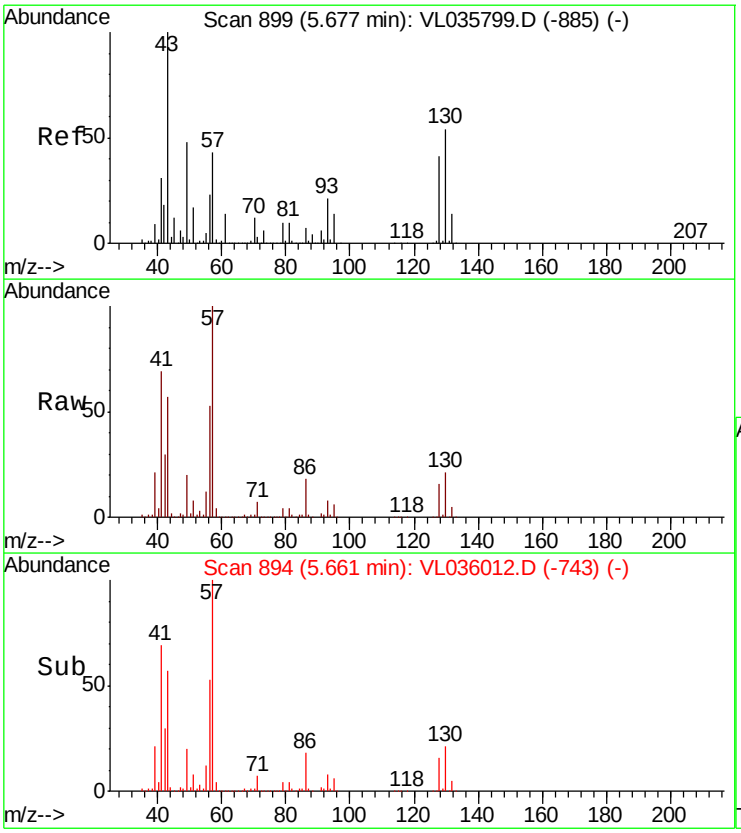
#23
Vinyl Acetate
Concen: 0.130 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.04 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 24019

Ion	Ratio	Lower	Upper
43	100		
86	9.8	9.8	14.6
42	94.9	8.1	12.1#
44	0.9	4.2	6.4#

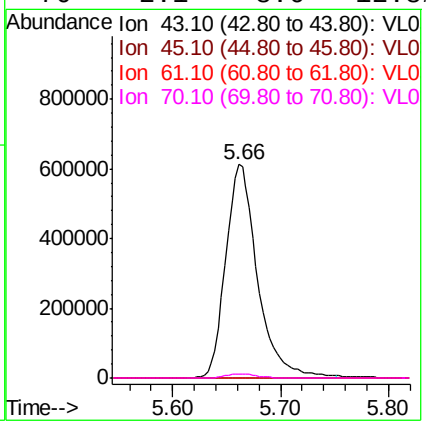


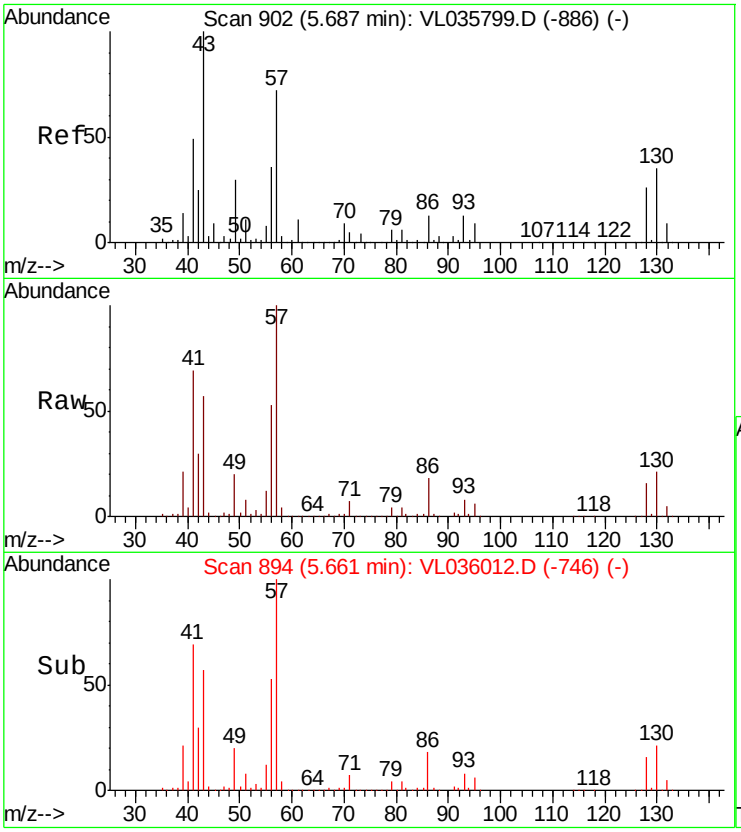


#25
Ethyl Acetate
Concen: 4.841 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 43 Resp: 1255535

Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.5	12.7#
61	0.3	10.7	16.1#
70	2.1	8.6	12.8#



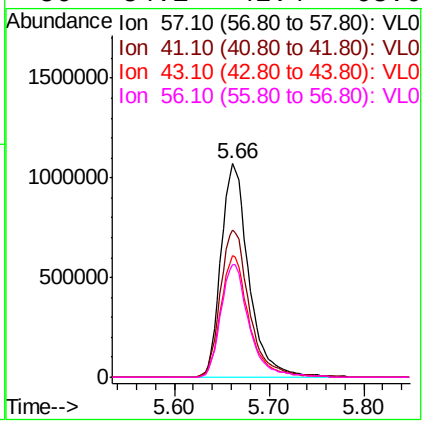


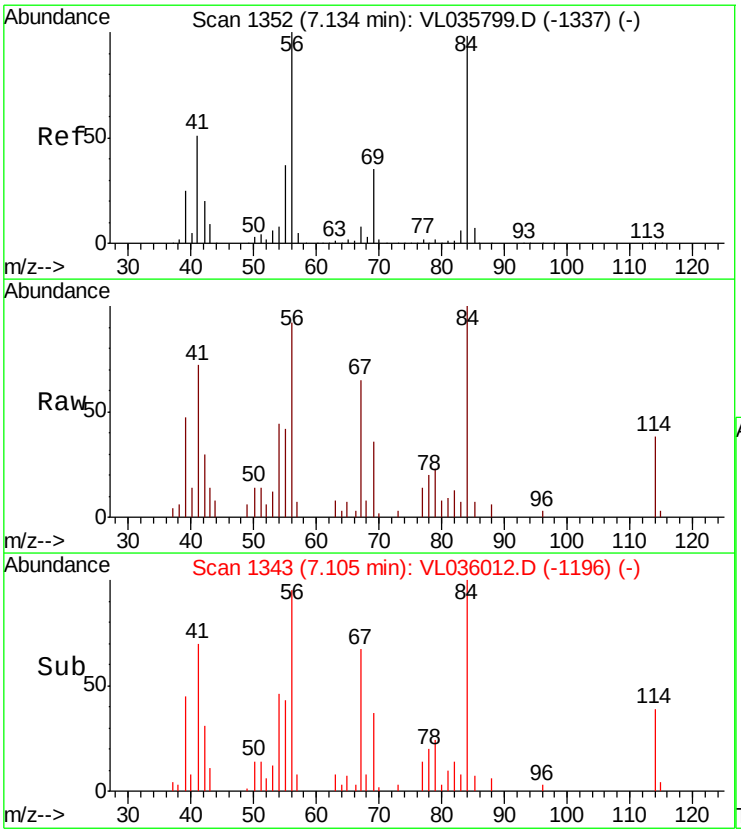
#26
Hexane
Concen: 15.302 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 2188664

Ion	Ratio	Lower	Upper
57	100		
41	72.5	58.9	88.3
43	57.8	150.2	225.2#
56	54.1	42.4	63.6

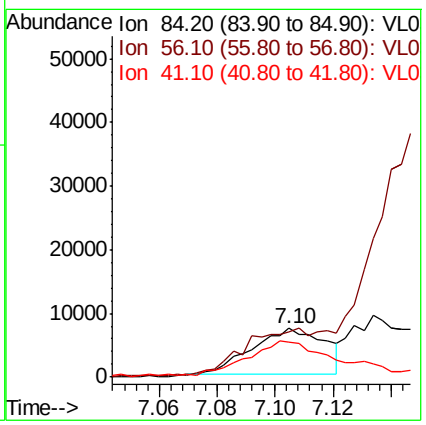


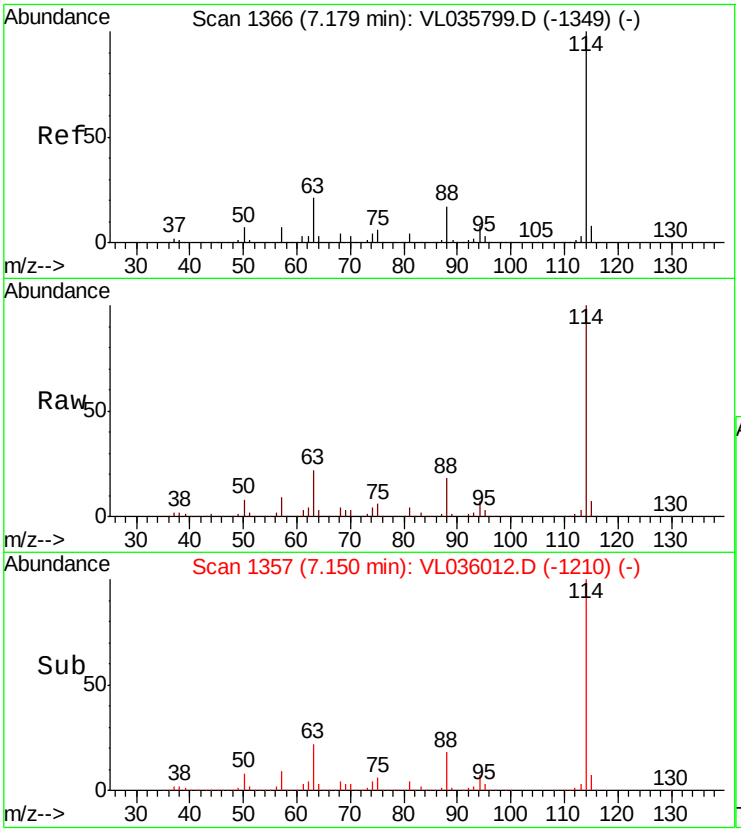


#30
Cyclohexane
Concen: 0.081 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.03 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 84 Resp: 12661

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	118.7	42.1	63.1#



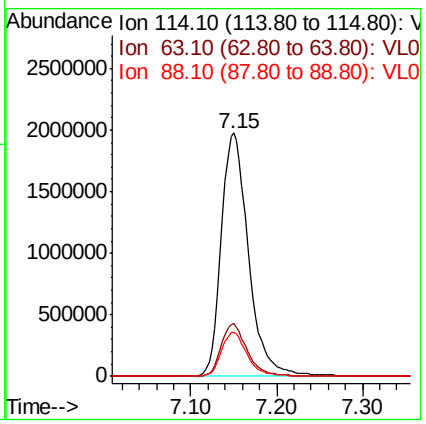


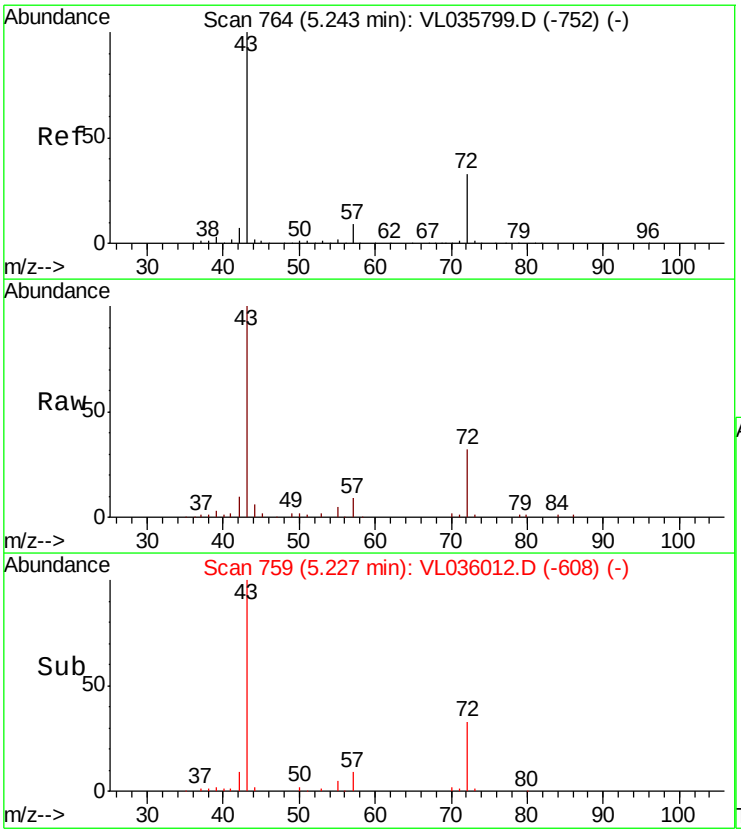
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 4359573

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.1	24.1
88	17.6	13.7	20.5

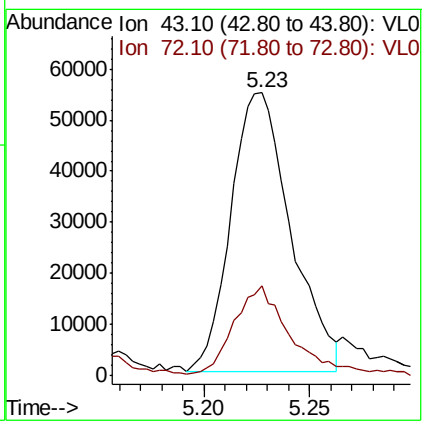


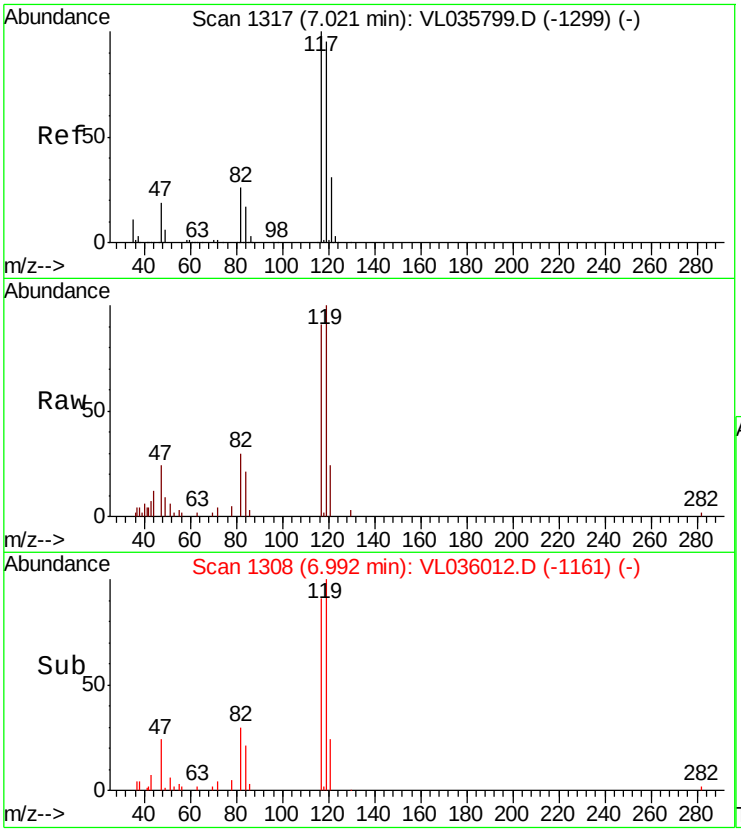


#34
2-Butanone
Concen: 0.757 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.02 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 43 Resp: 107176

Ion	Ratio	Lower	Upper
43	100		
72	31.4	26.5	39.7

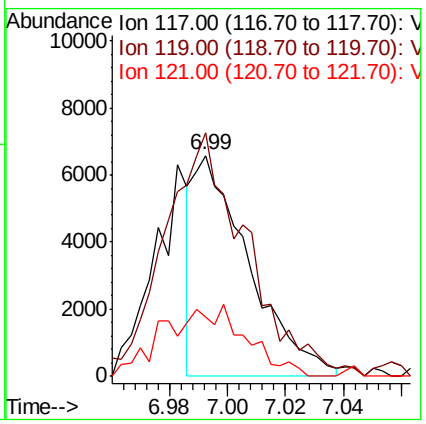




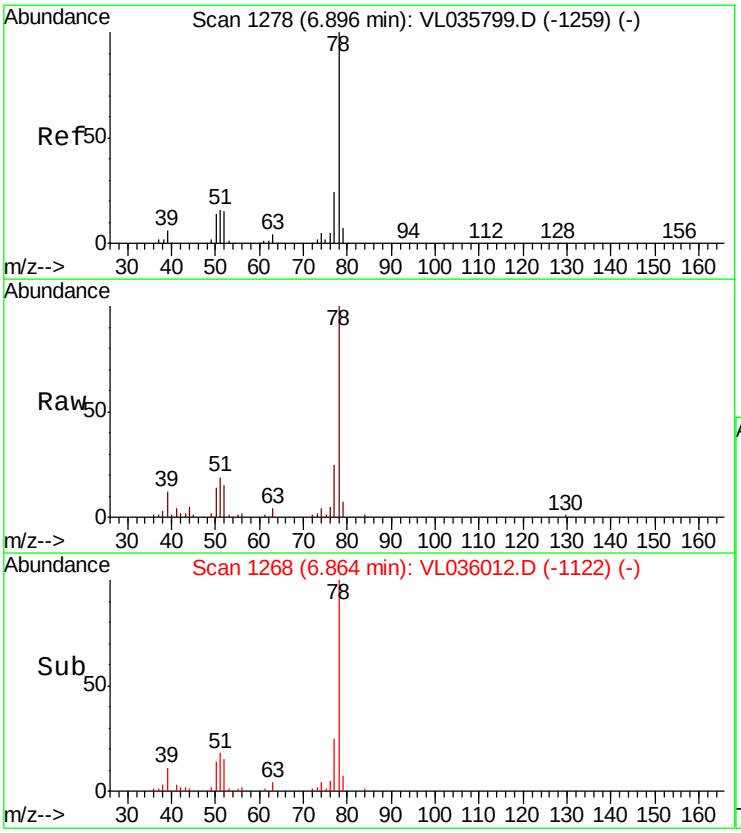
#35
Carbon Tetrachloride
Concen: 0.037 ppbv
RT: 6.99 min Scan# 1308
Delta R.T. -0.03 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion:117 Resp: 8681

Ion	Ratio	Lower	Upper
117	100		
119	110.9	75.6	113.4
121	27.8	25.1	37.7



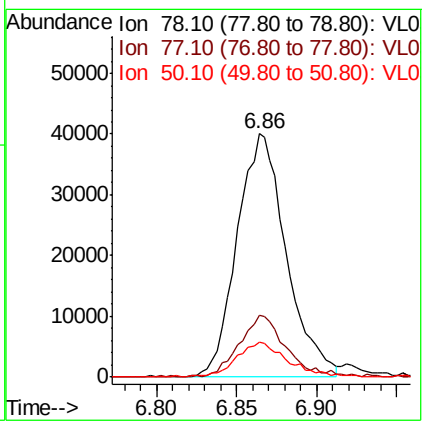
Instrument :
MSVOA_L
ClientSampleId :

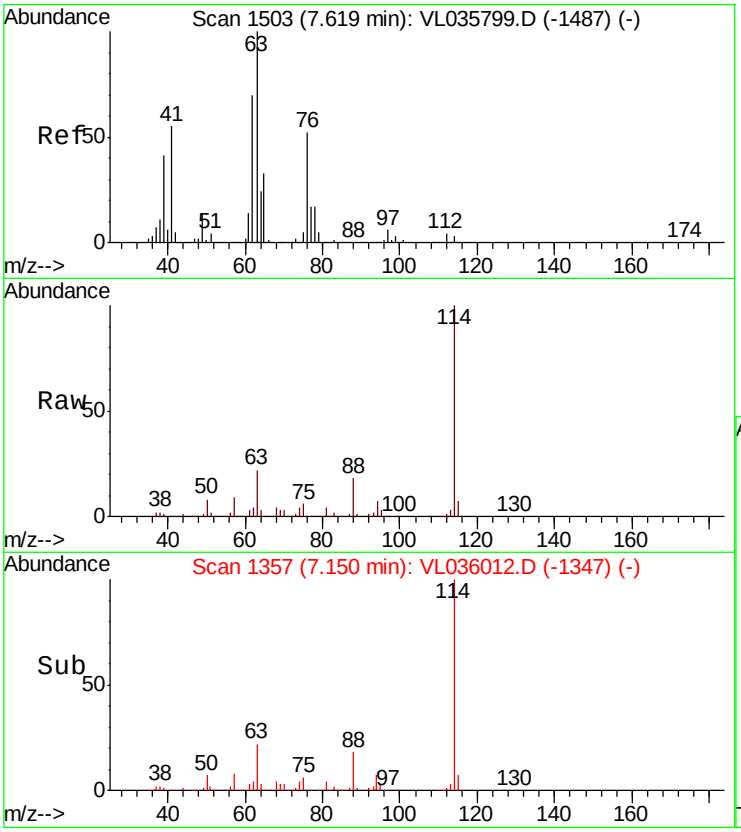


#36
Benzene
Concen: 0.260 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.03 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 78 Resp: 84252

Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.3	28.9
50	14.4	11.4	17.2



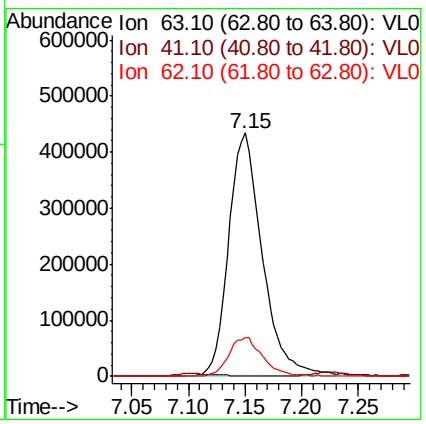


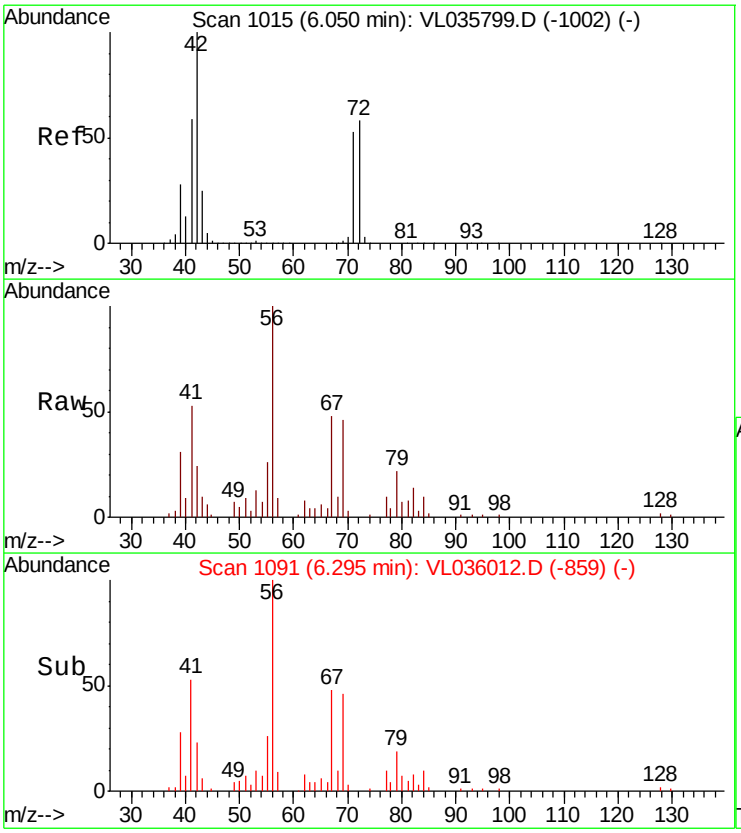
#39
1,2-Dichloropropane
Concen: 8.275 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.47 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 902988

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.1	56.2	84.2#

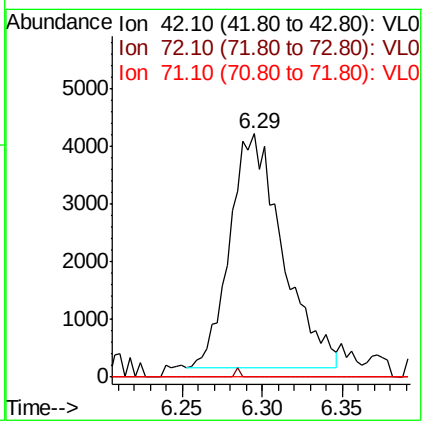


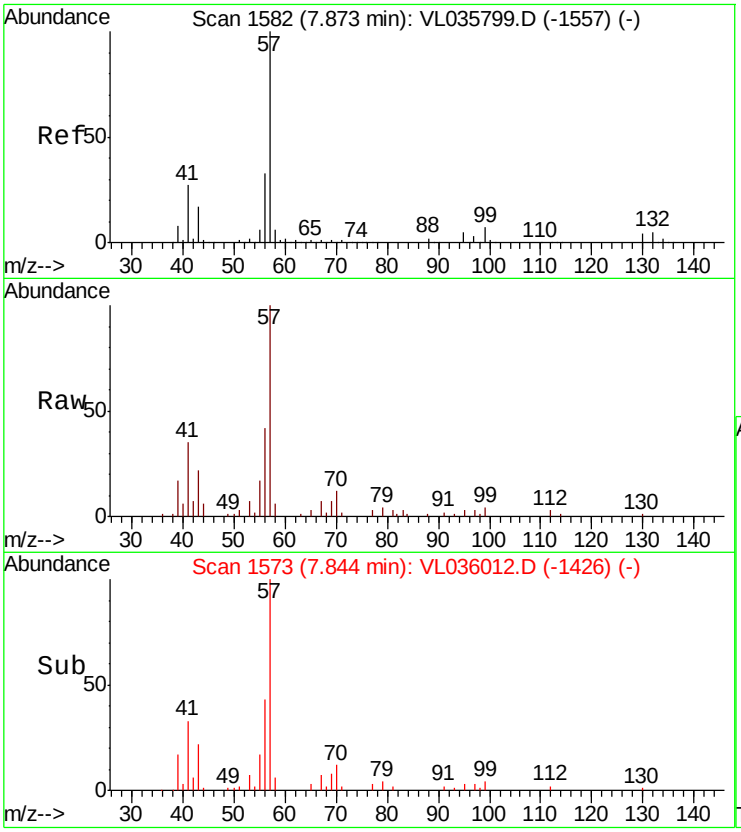


#41
Tetrahydrofuran
Concen: 0.114 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. 0.24 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 42 Resp: 9188

Ion	Ratio	Lower	Upper
42	100		
72	0.0	45.4	68.0#
71	0.0	43.4	65.2#



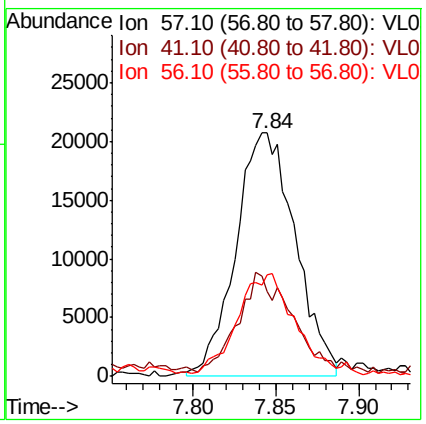


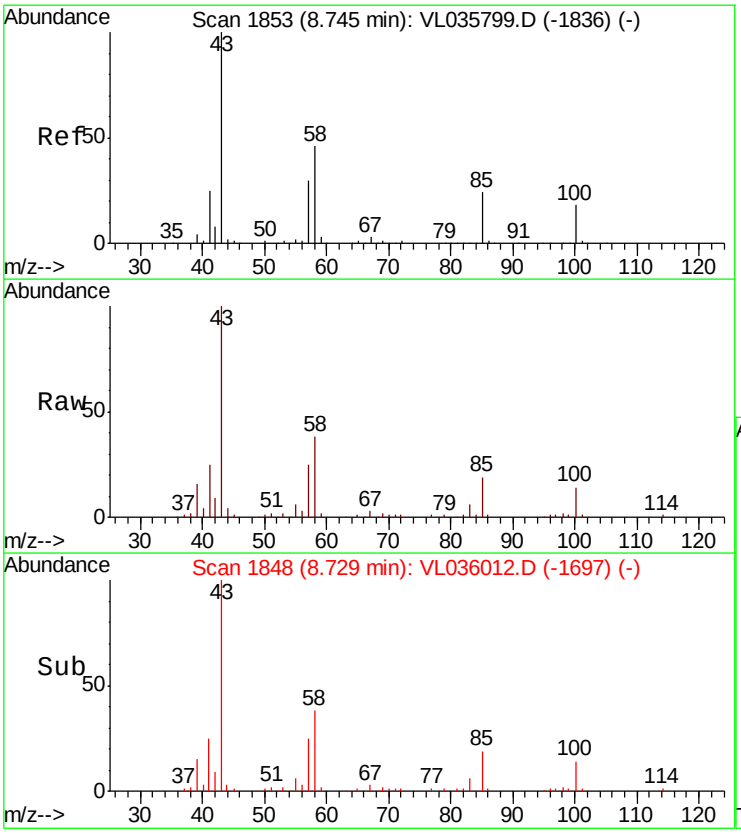
#44
2,2,4-Trimethylpentane
Concen: 0.121 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.03 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 51779

Ion	Ratio	Lower	Upper
57	100		
41	39.4	21.0	31.4#
56	42.7	25.4	38.0#

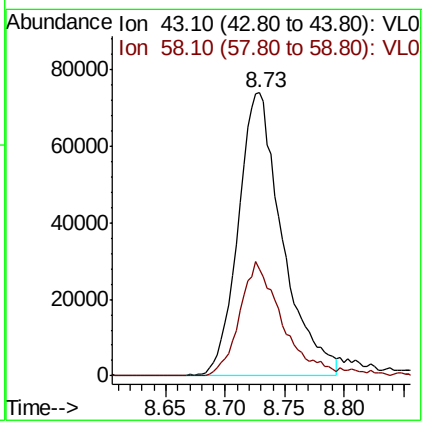


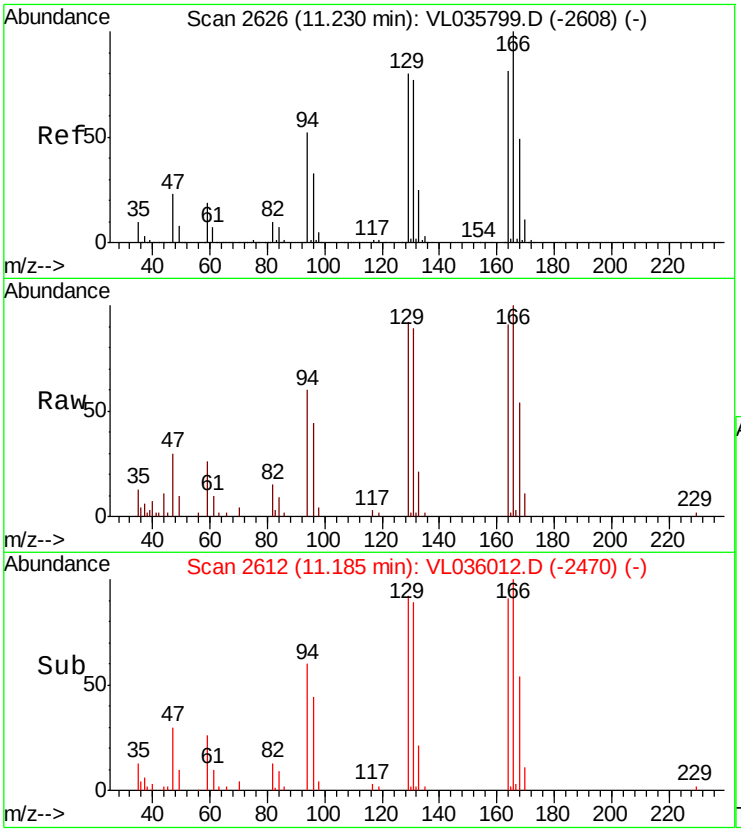


#50
4-Methyl-2-Pentanone
Concen: 0.881 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. -0.02 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 43 Resp: 190502

Ion	Ratio	Lower	Upper
43	100		
58	40.6	36.0	54.0



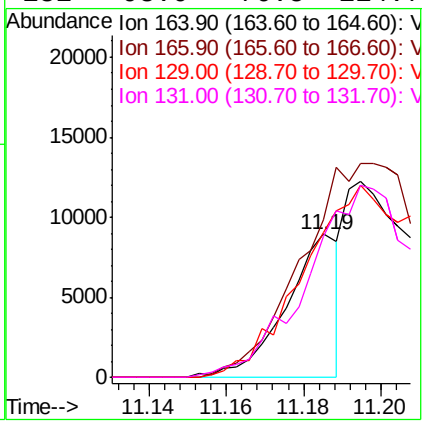


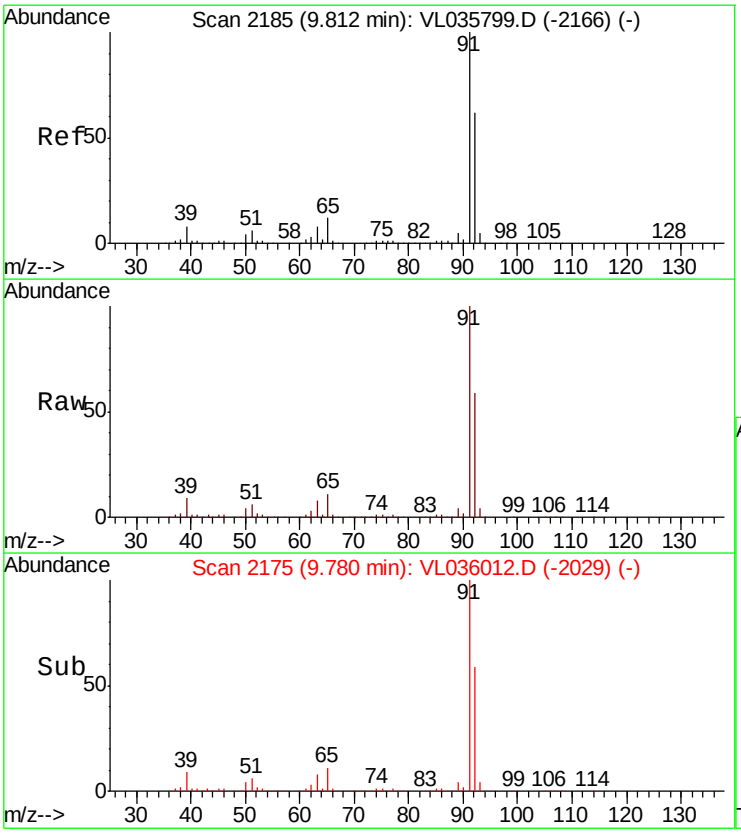
#52
Tetrachloroethene
Concen: 0.055 ppbv
RT: 11.19 min Scan# 2612
Delta R.T. -0.05 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 8423

Ion	Ratio	Lower	Upper
164	100		
166	110.2	99.3	148.9
129	101.1	79.3	118.9
131	98.0	76.5	114.7

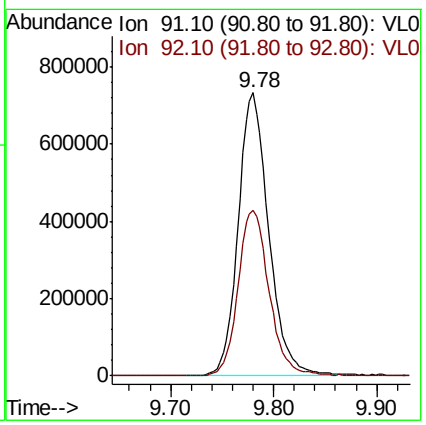


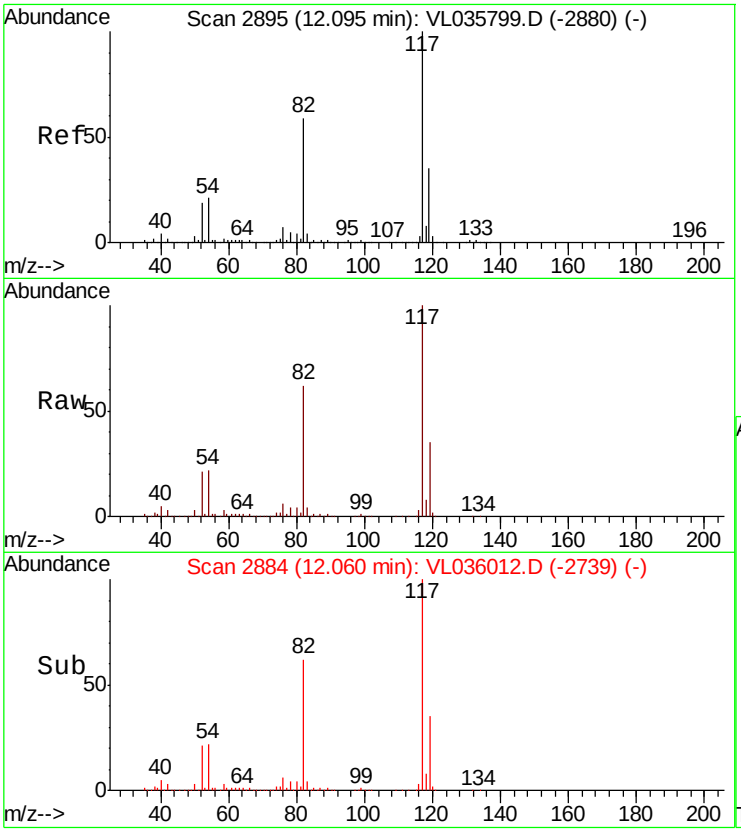


#53
Toluene
Concen: 3.862 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.03 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 91 Resp: 1510329

Ion	Ratio	Lower	Upper
91	100		
92	60.2	49.8	74.6



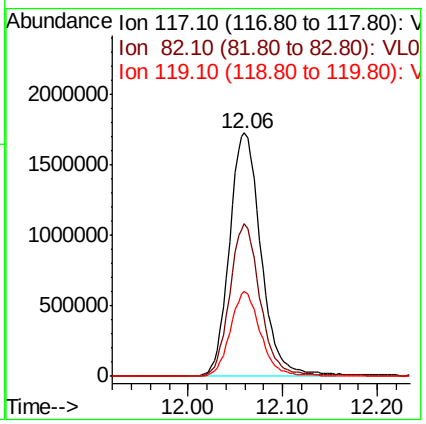


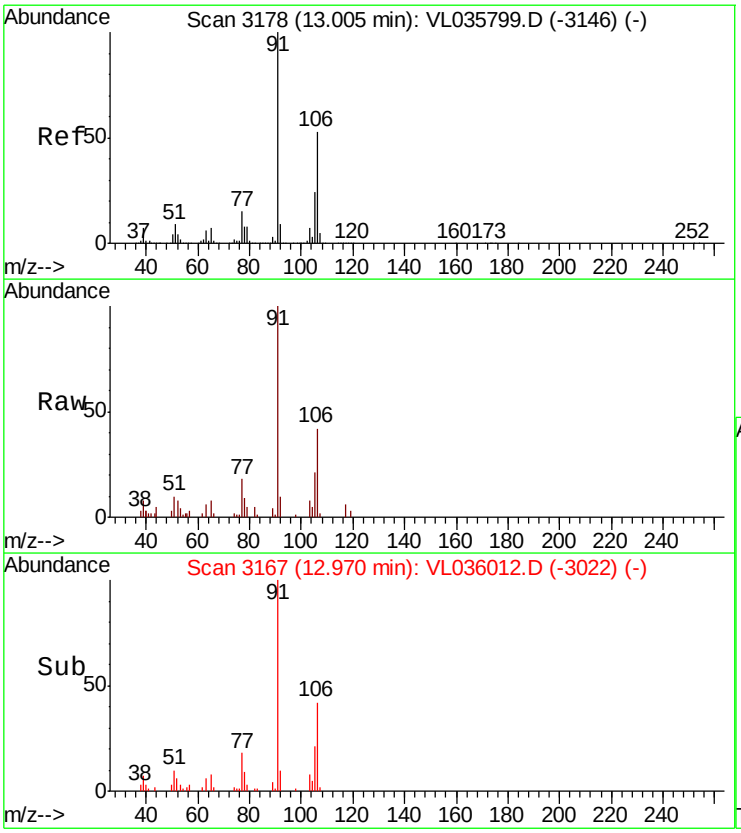
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3996747

Ion	Ratio	Lower	Upper
117	100		
82	61.4	50.6	76.0
119	34.1	52.6	78.8#

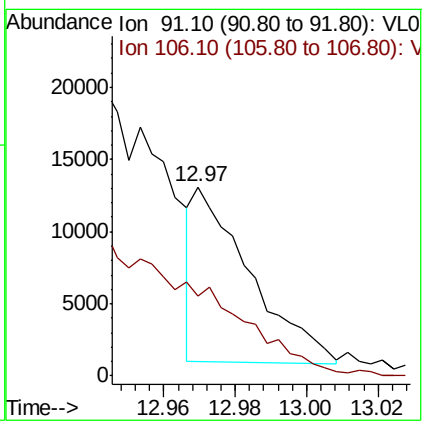


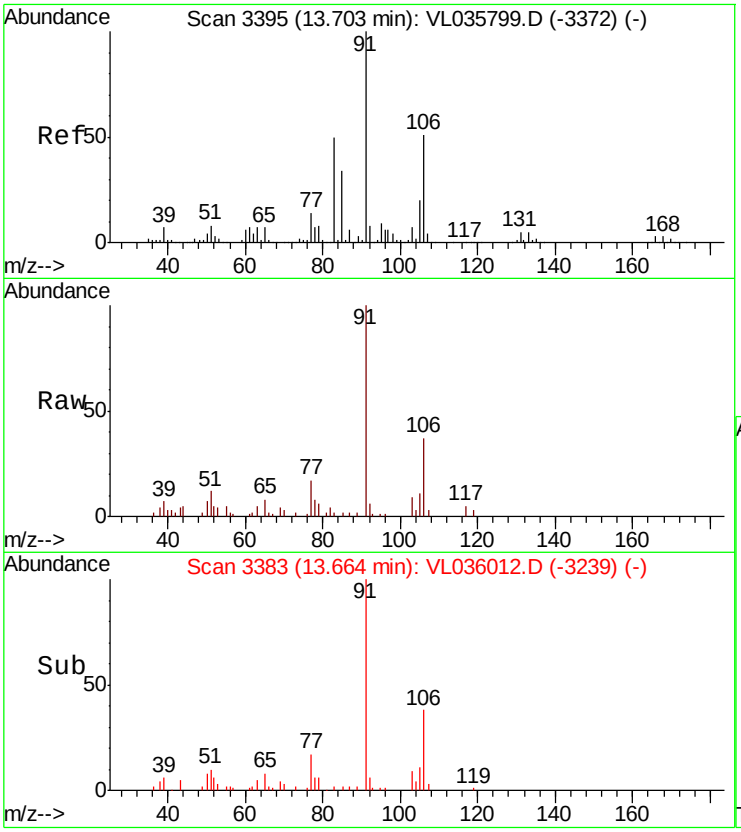


#59
m/p-Xylene
Concen: 0.032 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 91 Resp: 13229

Ion	Ratio	Lower	Upper
91	100		
106	0.0	39.5	59.3#



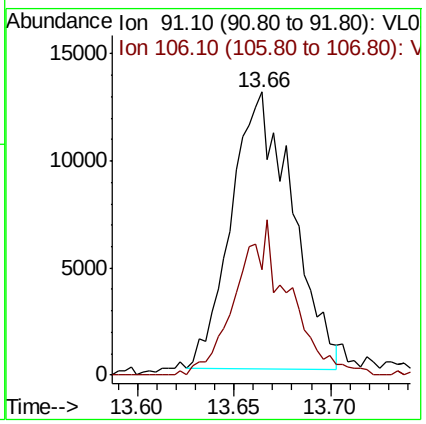


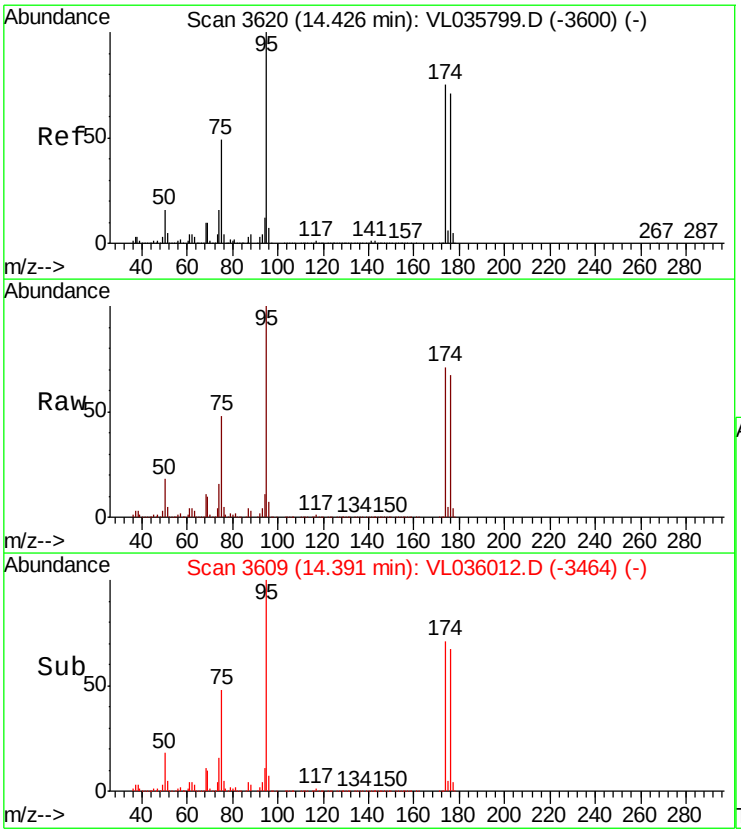
#60
o-Xylene
Concen: 0.071 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.04 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 28384

Ion	Ratio	Lower	Upper
91	100		
106	48.1	24.8	74.4

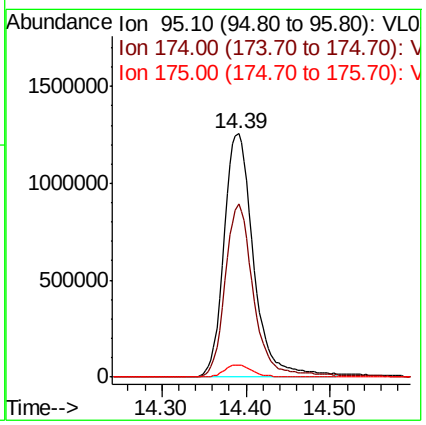


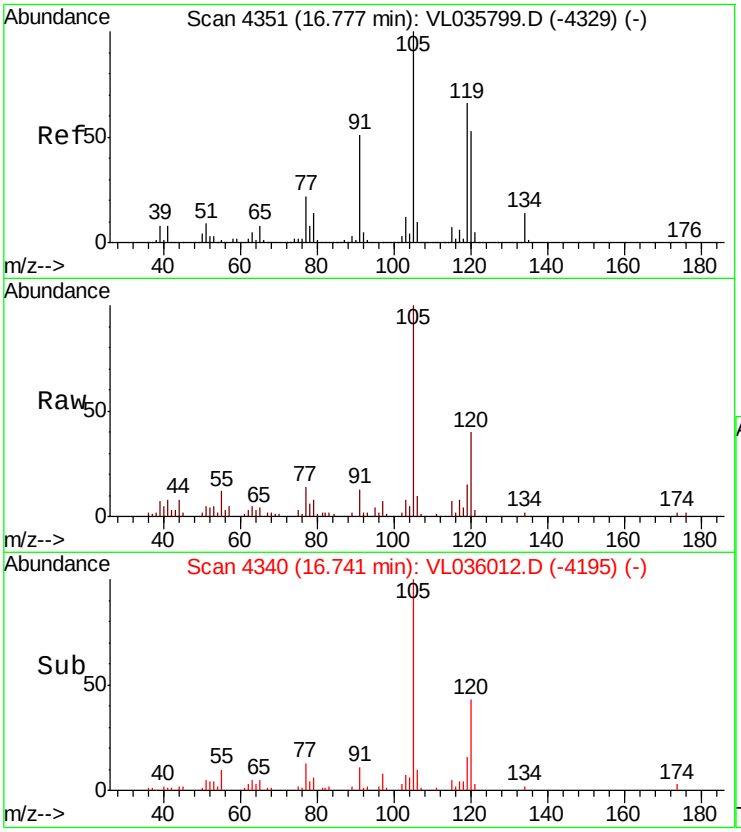


#68
1-Bromo-4-Fluorobenzene
Concen: 10.824 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.04 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion: 95 Resp: 3073602

Ion	Ratio	Lower	Upper
95	100		
174	69.9	59.8	89.6
175	5.0	4.3	6.5



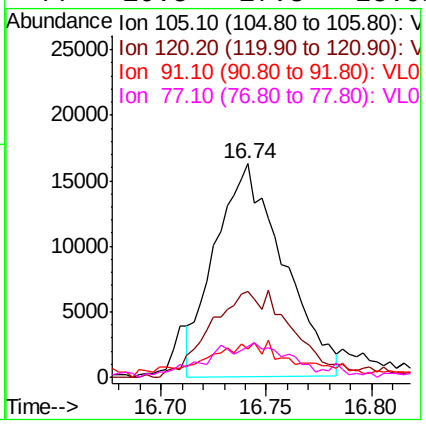


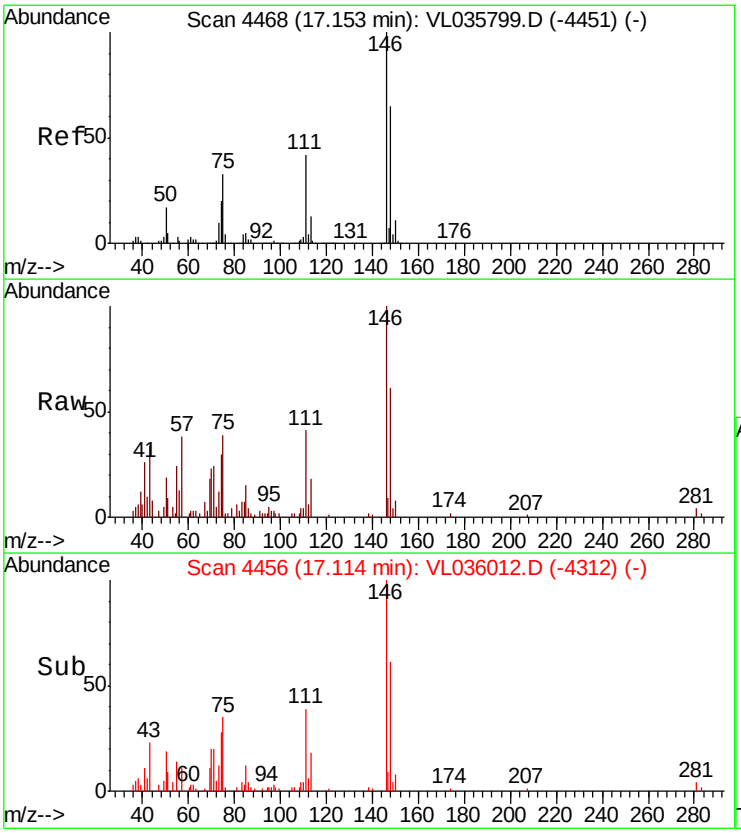
#74
1,2,4-Trimethylbenzene
Concen: 0.077 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.04 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 36515

Ion	Ratio	Lower	Upper
105	100		
120	38.7	42.0	63.0#
91	10.0	41.0	61.6#
77	10.5	17.3	25.9#





#76
1,4-Dichlorobenzene
Concen: 0.096 ppbv
RT: 17.11 min Scan# 4456
Delta R.T. -0.04 min
Lab File: VL036012.D
Acq: 25 Nov 2020 2:59

Tgt Ion:146 Resp: 27974

Ion	Ratio	Lower	Upper
146	100		
111	57.8	21.3	63.7
148	85.1	33.0	99.0