Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072920\
Data File : VL035244.D
Acq On : 29 Jul 2020 13:36
Operator : SY/AP
Sample : L3474-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 30 02:48:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1398145	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	3283865	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	3021879	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	2413553	10.00	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	8216	0.049	ppbv		100
3) Chlorodifluoromethane	2.92	51	853330	5.514	ppbv	#	56
4) Chloromethane	3.10	50	6553	0.075	ppbv		93
9) Propene	3.17	41	58520	1.085	ppbv		97
11) Trichlorofluoromethane	3.92	101	9233	0.041	ppbv		95
13) Ethanol	3.58	45	1114939	50.778	ppbv		96
15) Acetone	3.81	43	3950282	21.182	ppbv		97
17) tert-Butyl alcohol	3.94	59	525067	2.917	ppbv		95
19) Isopropyl Alcohol	3.95	45	10947791	89.008	ppbv	#	97
20) Methylene Chloride	4.32	84	604509	7.121	ppbv		99
21) Allyl Chloride	4.31	41	22147	0.209	ppbv	#	27
25) Ethyl Acetate	5.67	43	622901	2.139	ppbv	#	77
26) Hexane	5.68	57	901295	6.860	ppbv	#	42
28) Methyl tert-Butyl Ether	5.01	73	46715	0.249	ppbv		100
29) Chloroform	5.74	83	668020	3.032	ppbv		99
34) 2-Butanone	5.15	43	10221	0.061	ppbv	#	22
39) 1,2-Dichloropropane	7.18	63	872348	9.580	ppbv	#	23
41) Tetrahydrofuran	6.32	42	5047	0.062	ppbv	#	35
53) Toluene	9.83	91	65515	0.270	ppbv		99

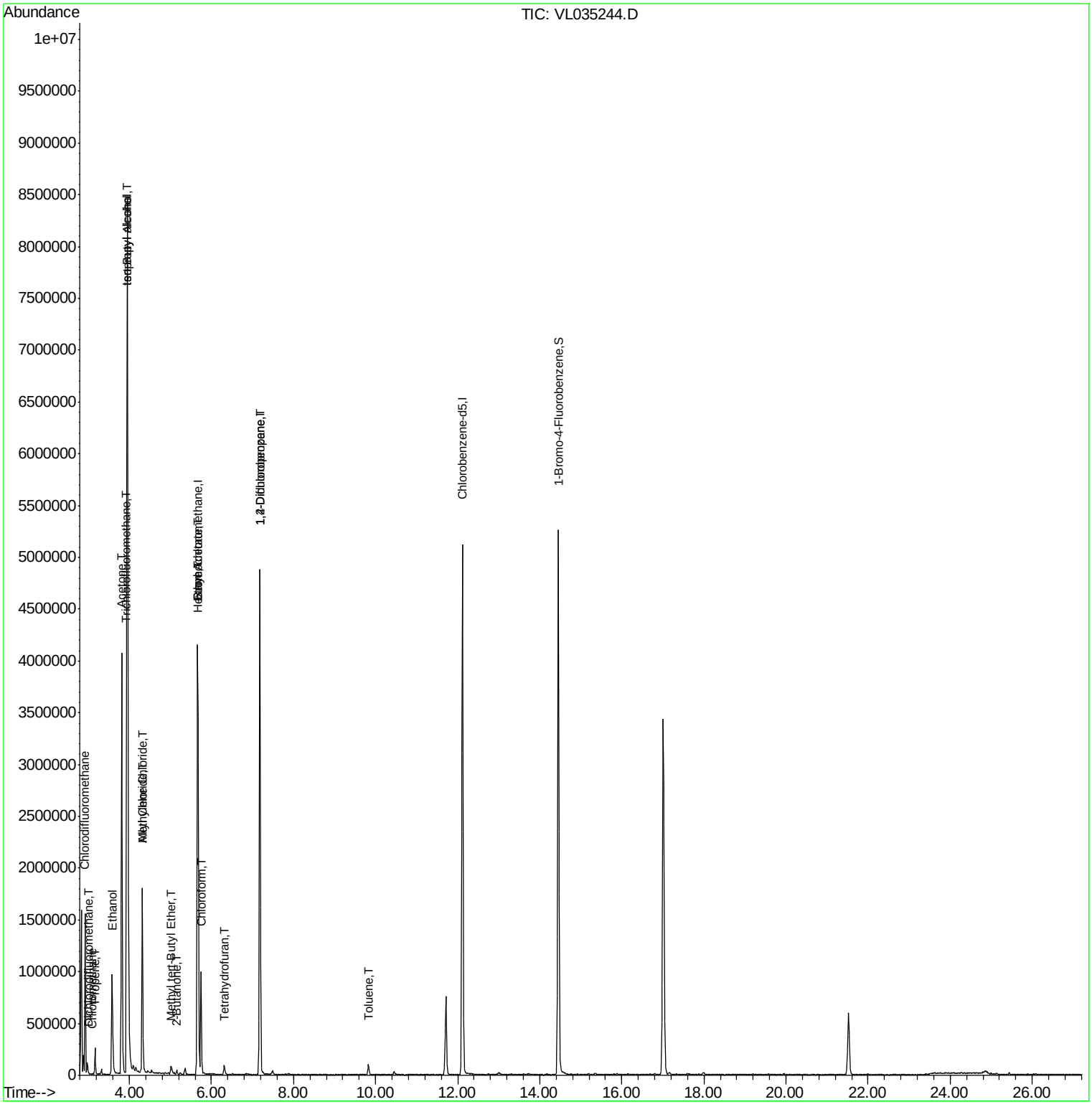
(#) = qualifier out of range (m) = manual integration (+) = signals summed

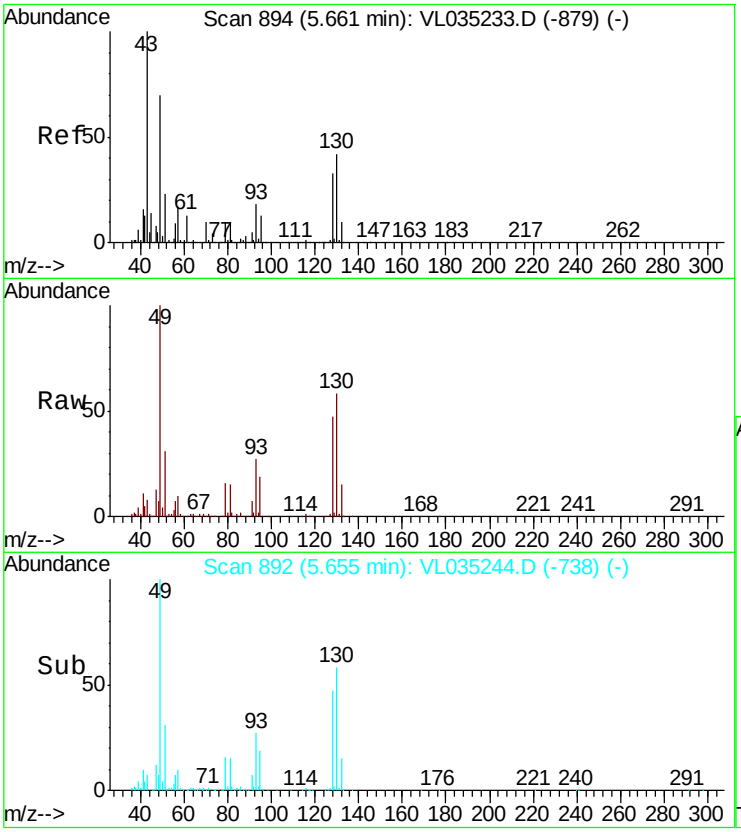
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072920\
Data File : VL035244.D
Acq On : 29 Jul 2020 13:36
Operator : SY/AP
Sample : L3474-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 30 02:48:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration



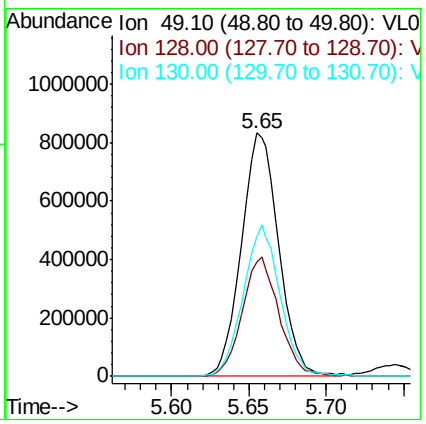


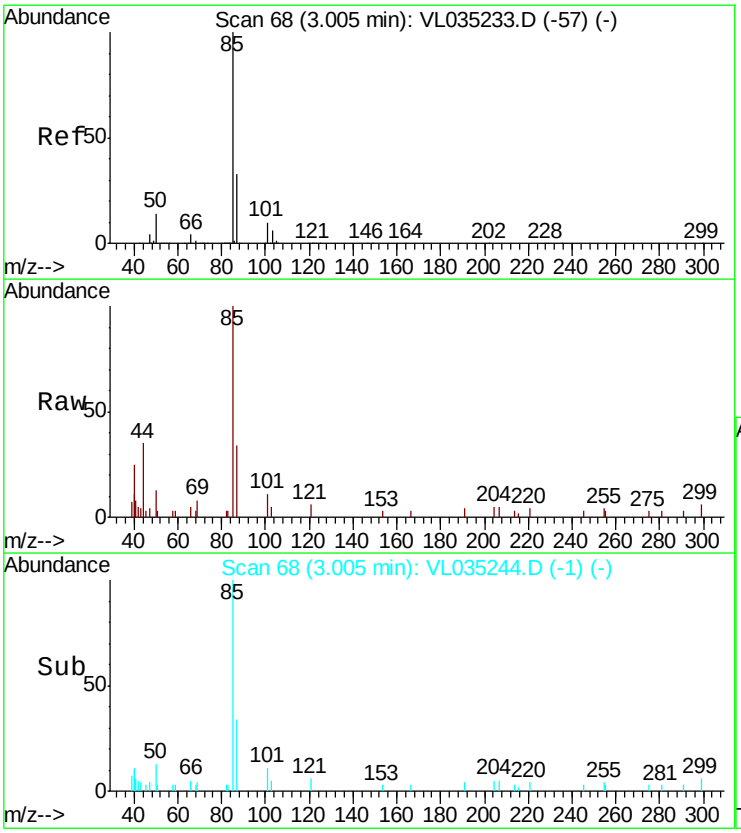
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1398145

Ion	Ratio	Lower	Upper
49	100		
128	48.5	24.0	72.0
130	61.8	30.7	92.1

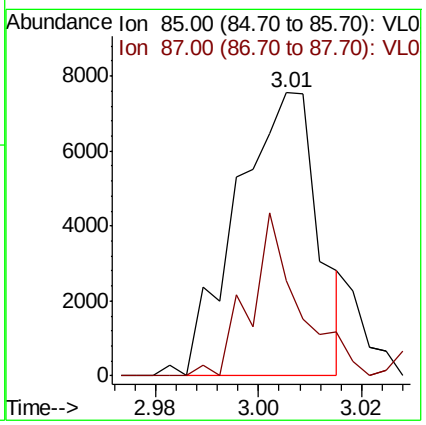


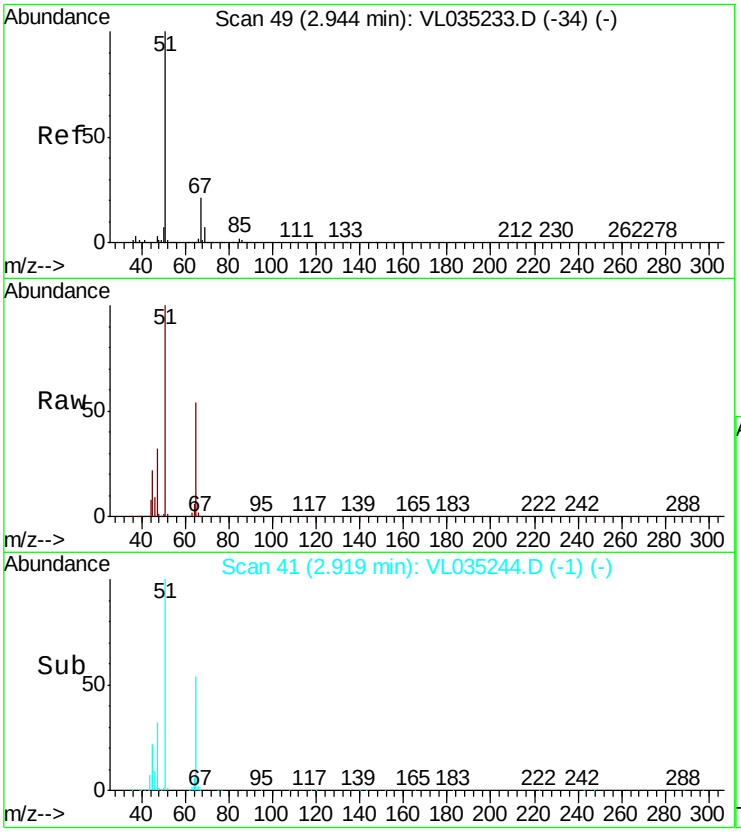


#2
Dichlorodifluoromethane
Concen: 0.049 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 85 Resp: 8216

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.7	40.1



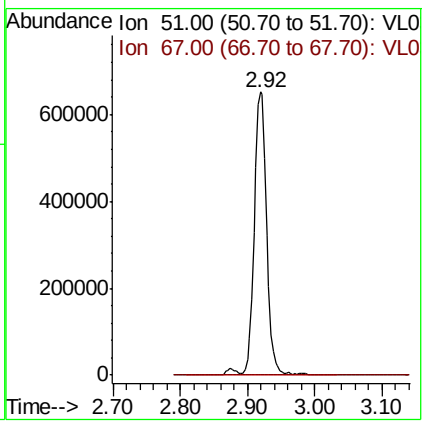


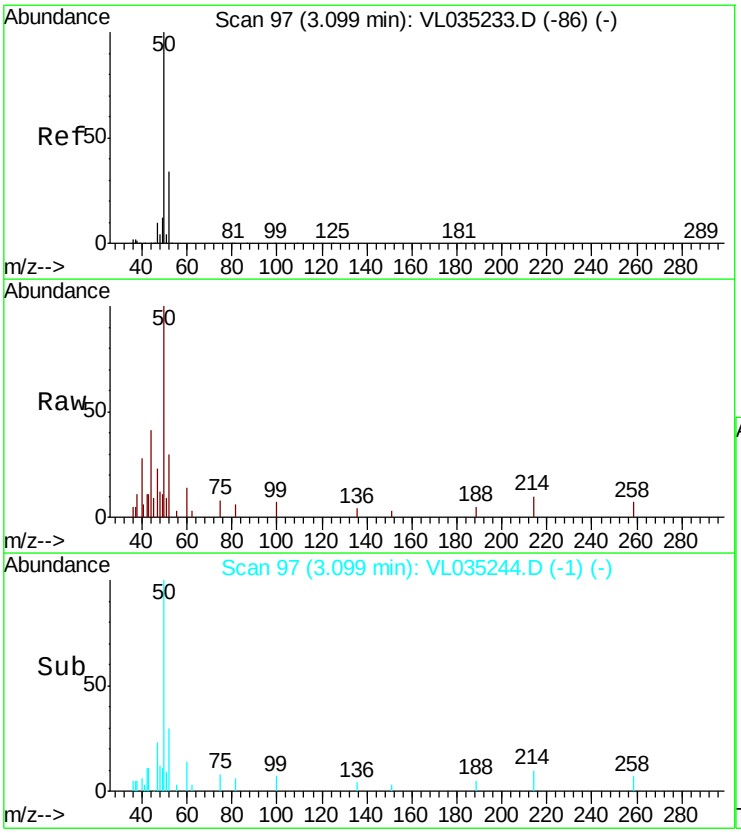
#3
Chlorodifluoromethane
Concen: 5.514 ppbv
RT: 2.92 min Scan# 41
Delta R.T. -0.03 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 853330

Ion	Ratio	Lower	Upper
51	100		
67	0.2	16.6	25.0#

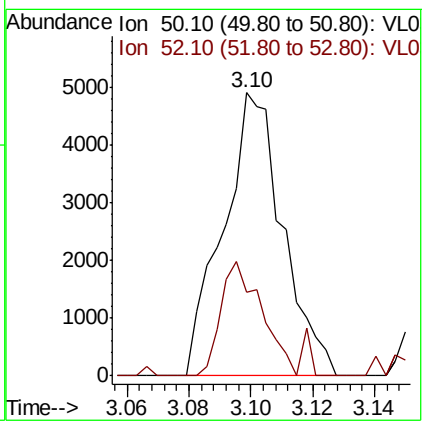


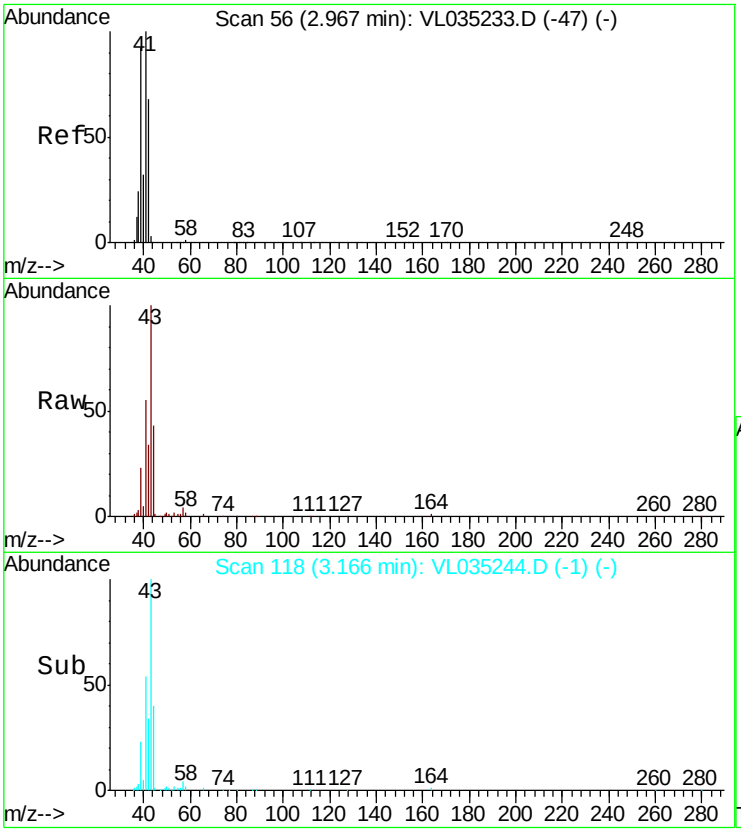


#4
Chloromethane
Concen: 0.075 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 50 Resp: 6553

Ion	Ratio	Lower	Upper
50	100		
52	29.7	27.1	40.7

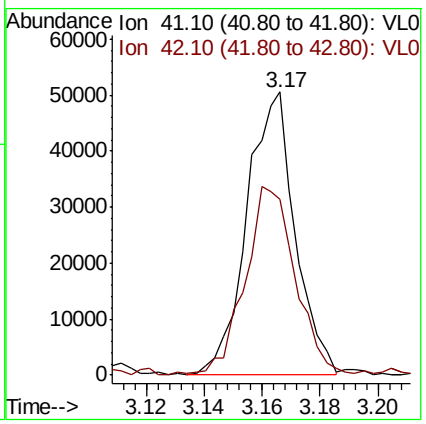




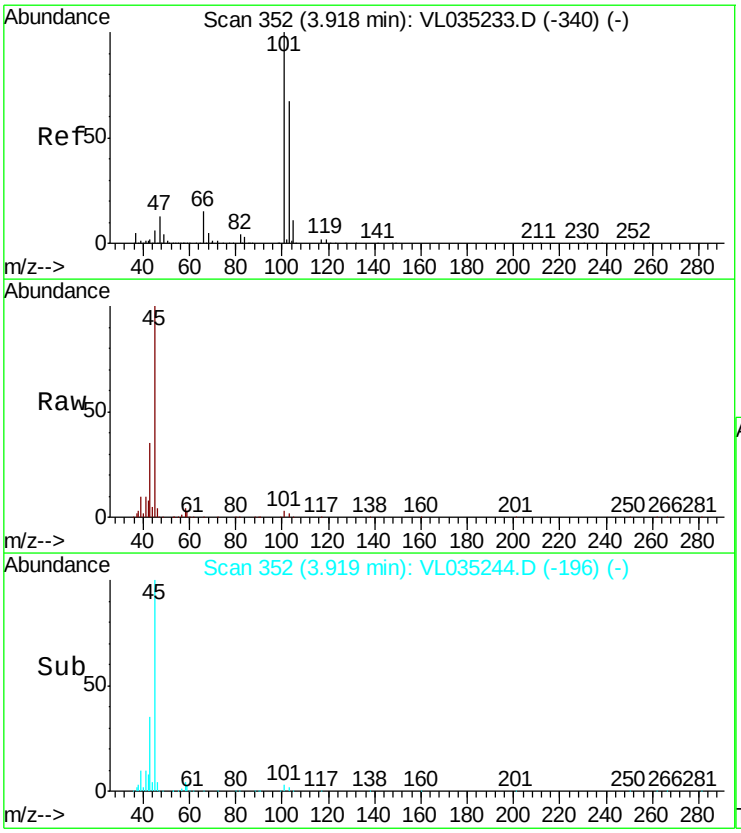
#9
Propene
Concen: 1.085 ppbv
RT: 3.17 min Scan# 118
Delta R.T. 0.20 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 41 Resp: 58520

Ion	Ratio	Lower	Upper
41	100		
42	71.4	55.0	82.6



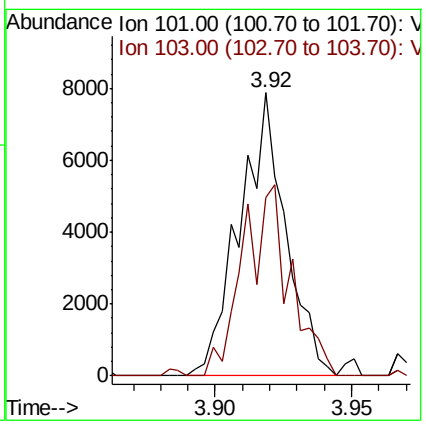
Instrument :
MSVOA_L
ClientSampleId :

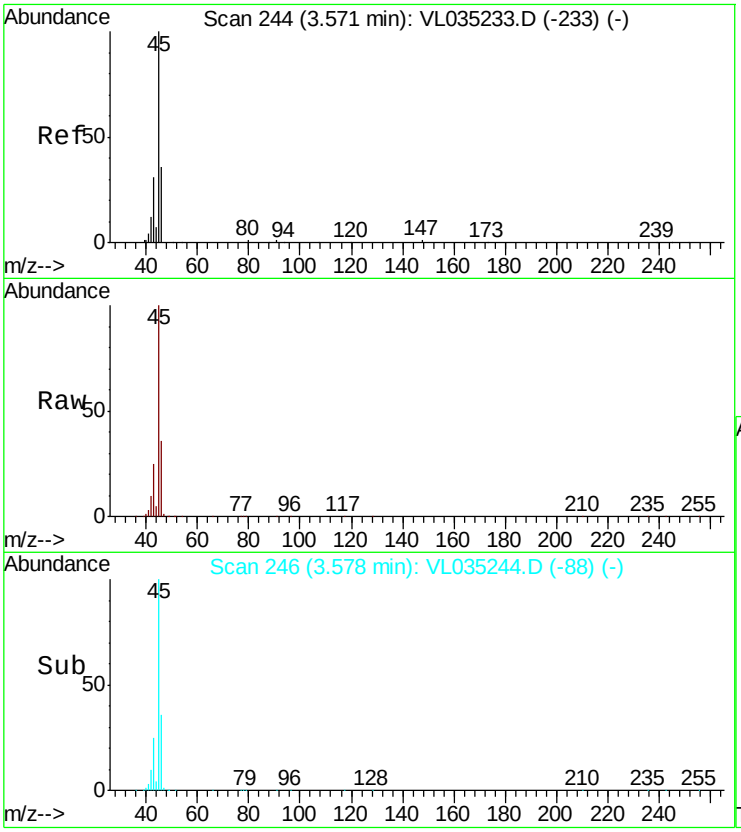


#11
Trichlorofluoromethane
Concen: 0.041 ppbv
RT: 3.92 min Scan# 352
Delta R.T. 0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion:101 Resp: 9233

Ion	Ratio	Lower	Upper
101	100		
103	62.9	53.4	80.0



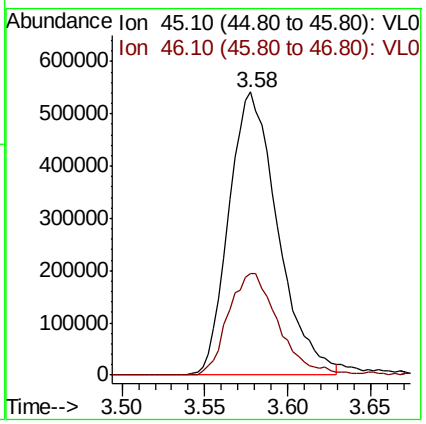


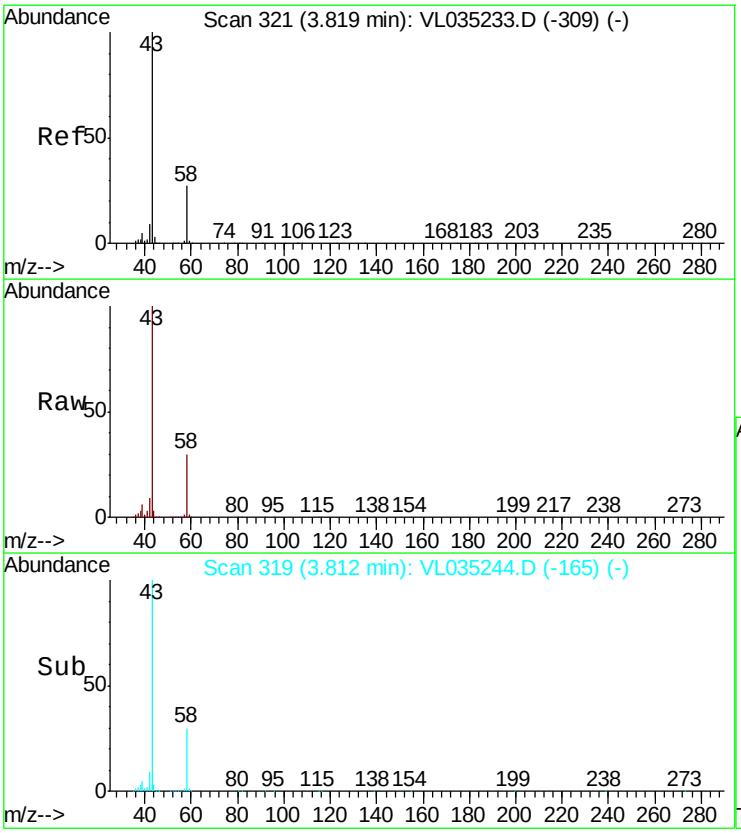
#13
Ethanol
Concen: 50.778 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1114939

Ion	Ratio	Lower	Upper
45	100		
46	37.2	15.8	63.4

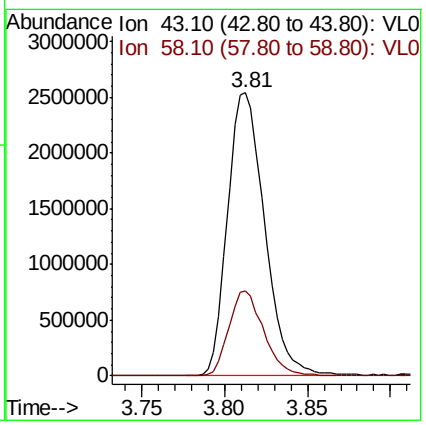


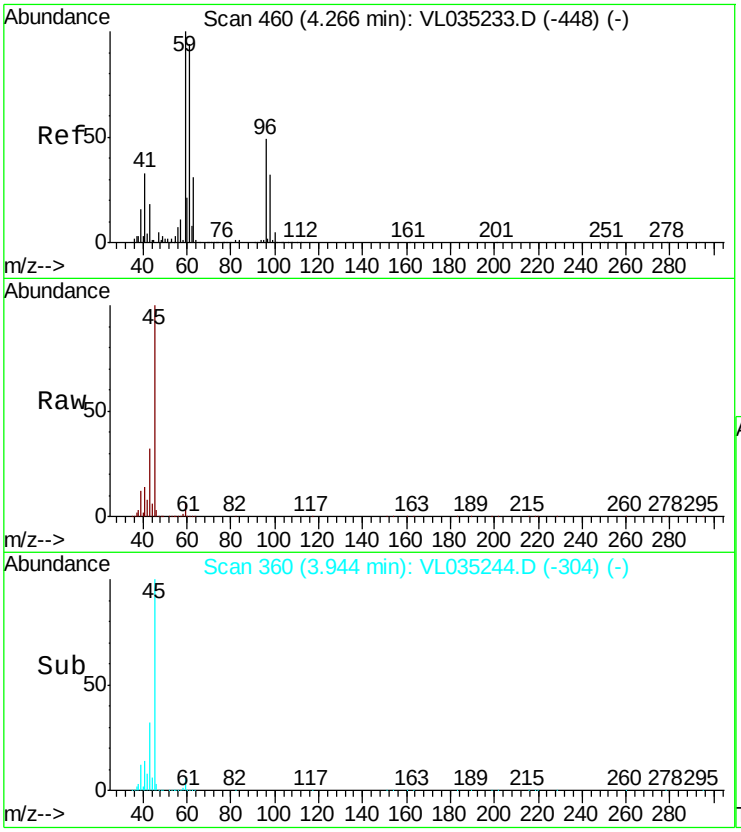


#15
Acetone
Concen: 21.182 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 43 Resp: 3950282

Ion	Ratio	Lower	Upper
43	100		
58	28.6	21.8	32.6



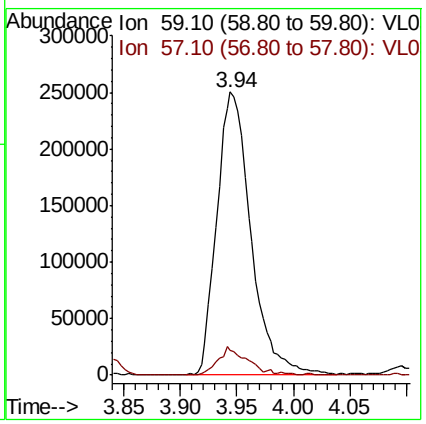


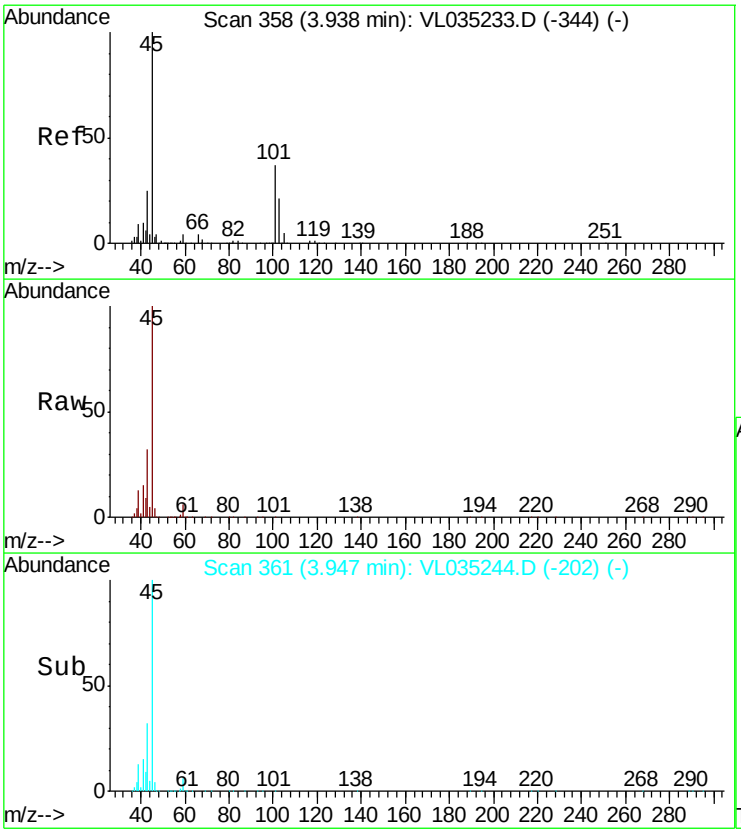
#17
tert-Butyl alcohol
Concen: 2.917 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.32 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 525067

Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.6	12.8

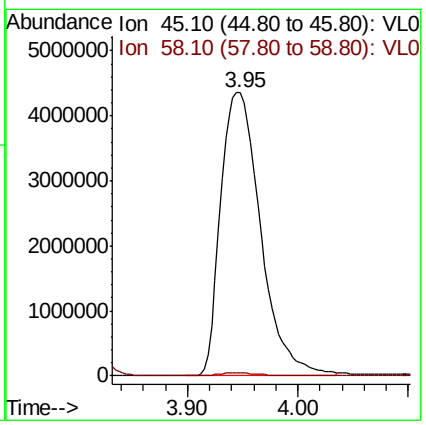


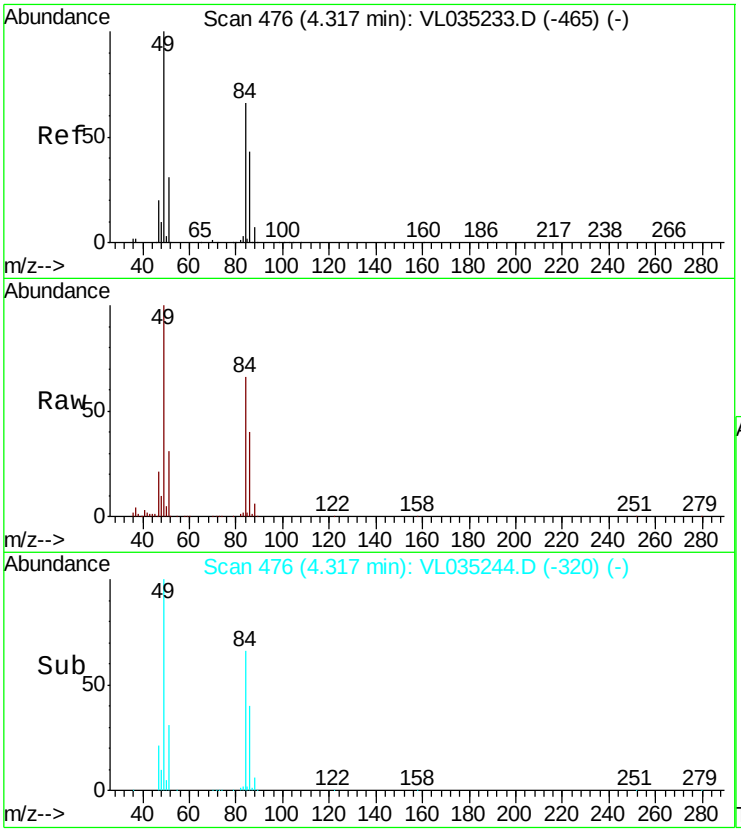


#19
Isopropyl Alcohol
Concen: 89.008 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 45 Resp:10947791

Ion	Ratio	Lower	Upper
45	100		
58	1.2	1.9	2.9#



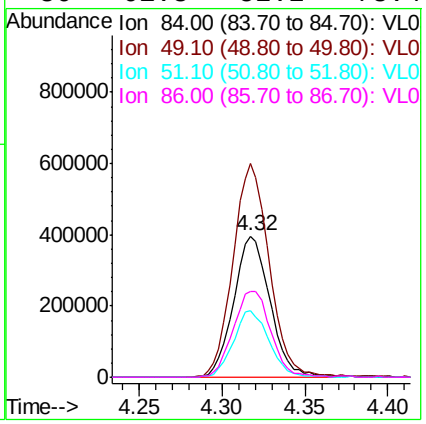


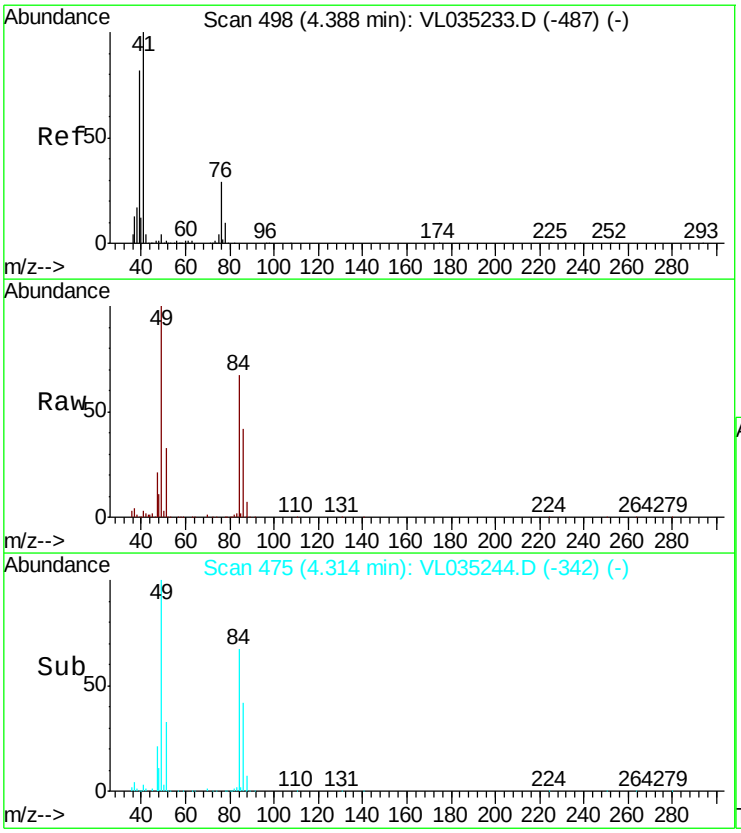
#20
Methylene Chloride
Concen: 7.121 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 604509

Ion	Ratio	Lower	Upper
84	100		
49	151.5	121.0	181.4
51	46.9	37.7	56.5
86	61.3	52.2	78.4

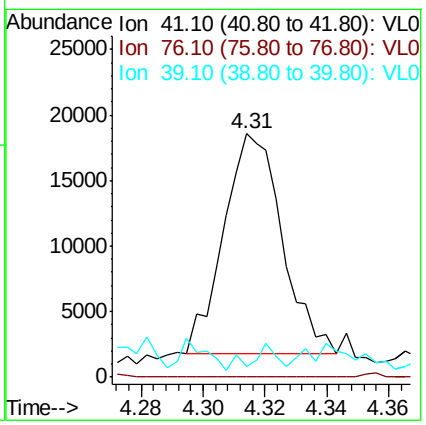


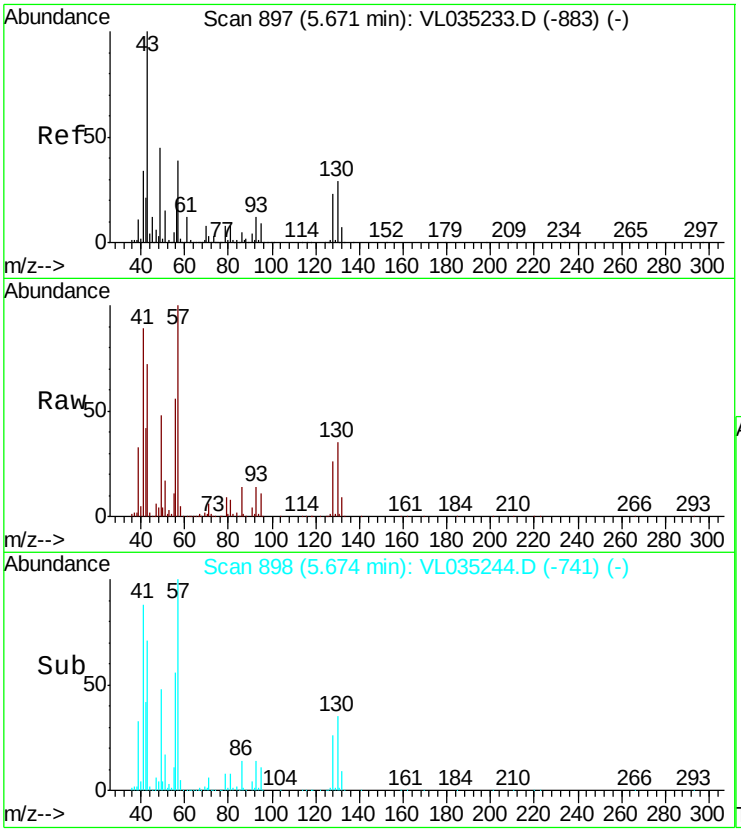


#21
Allyl Chloride
Concen: 0.209 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.07 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 41 Resp: 22147

Ion	Ratio	Lower	Upper
41	100		
76	14.8	24.4	36.6#
39	0.0	63.8	95.8#



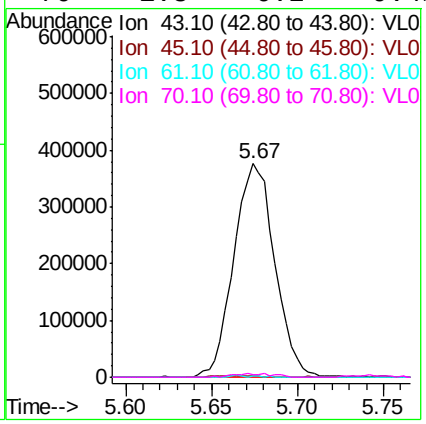


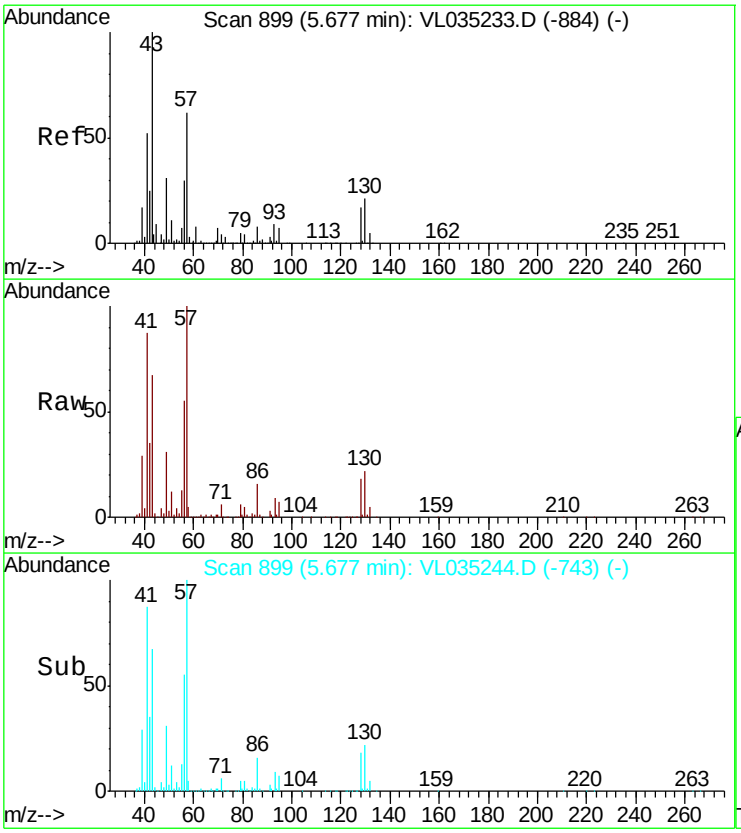
#25
Ethyl Acetate
Concen: 2.139 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 622901

Ion	Ratio	Lower	Upper
43	100		
45	1.0	8.5	12.7#
61	0.7	8.1	12.1#
70	1.8	6.2	9.4#

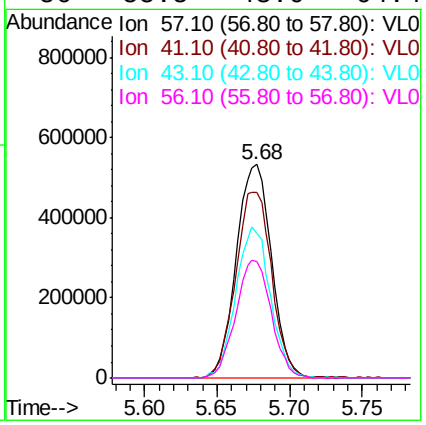


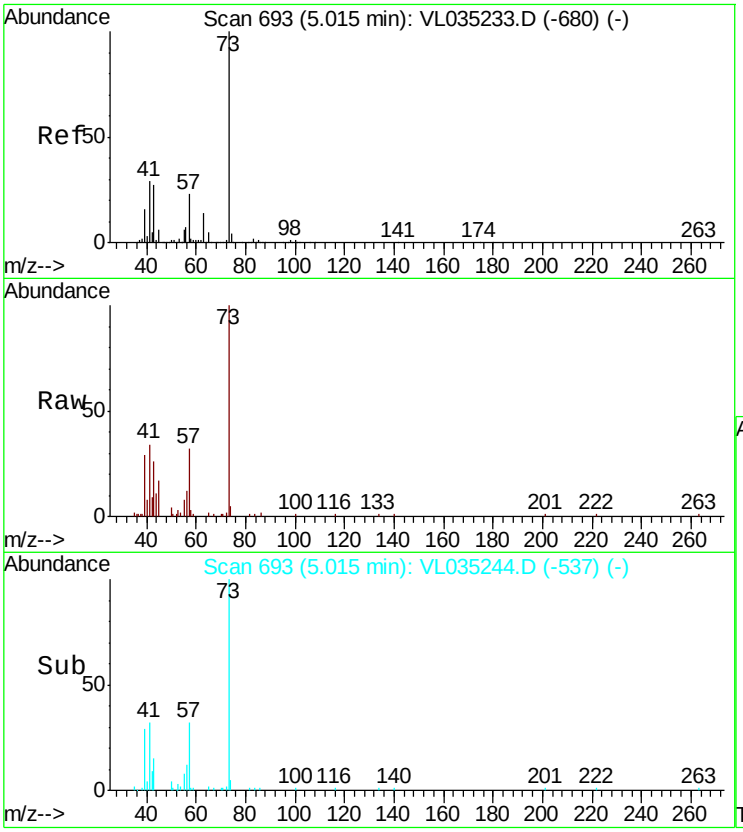


#26
Hexane
Concen: 6.860 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 57 Resp: 901295

Ion	Ratio	Lower	Upper
57	100		
41	89.7	73.9	110.9
43	69.5	177.6	266.4#
56	55.5	43.0	64.4



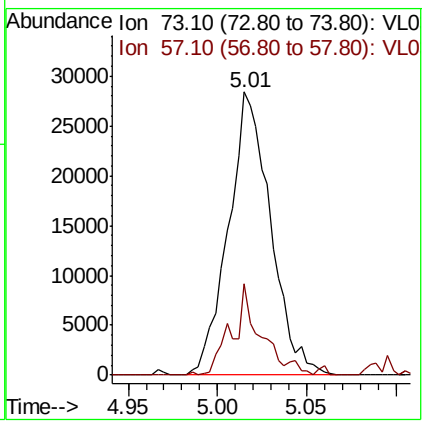


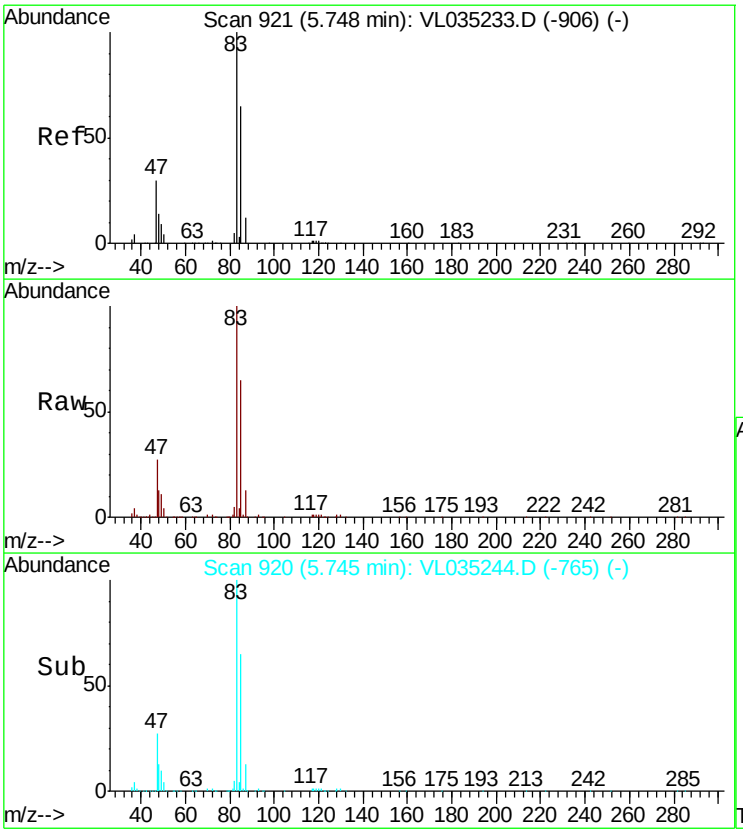
#28
Methyl tert-Butyl Ether
Concen: 0.249 ppbv
RT: 5.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 73 Resp: 46715

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.2	27.4

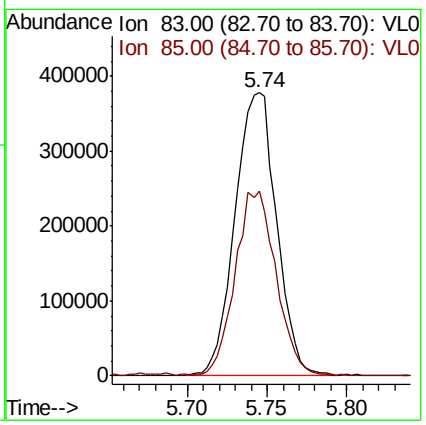


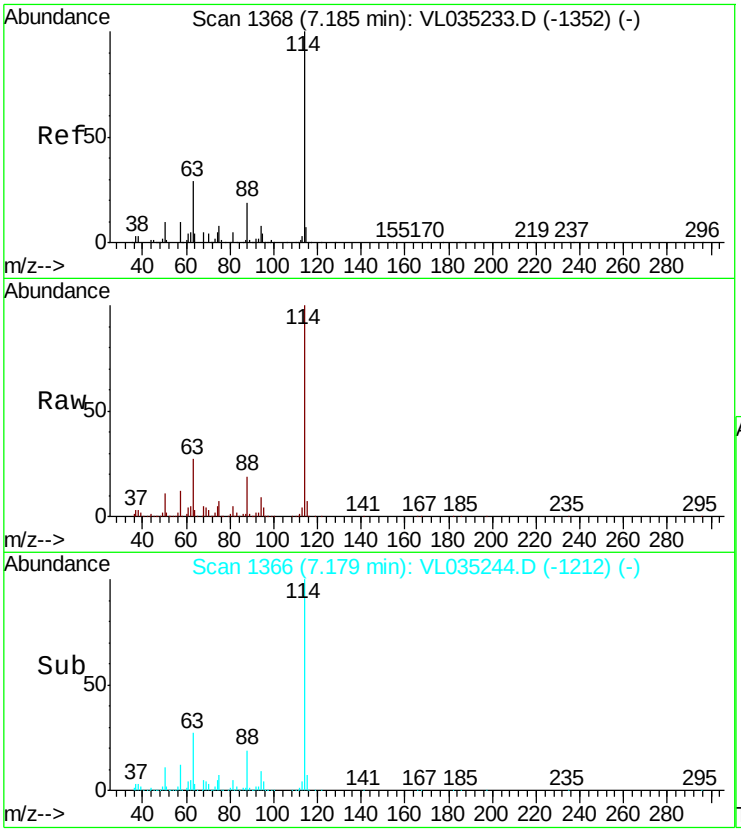


#29
Chloroform
Concen: 3.032 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 83 Resp: 668020

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.7	77.5



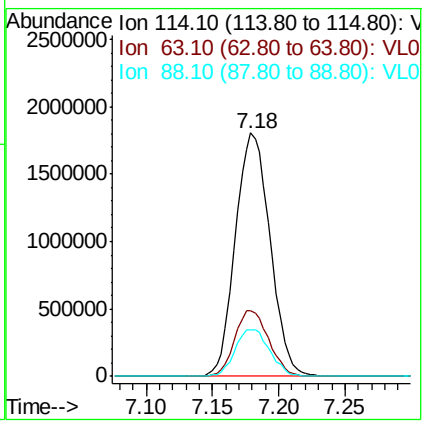


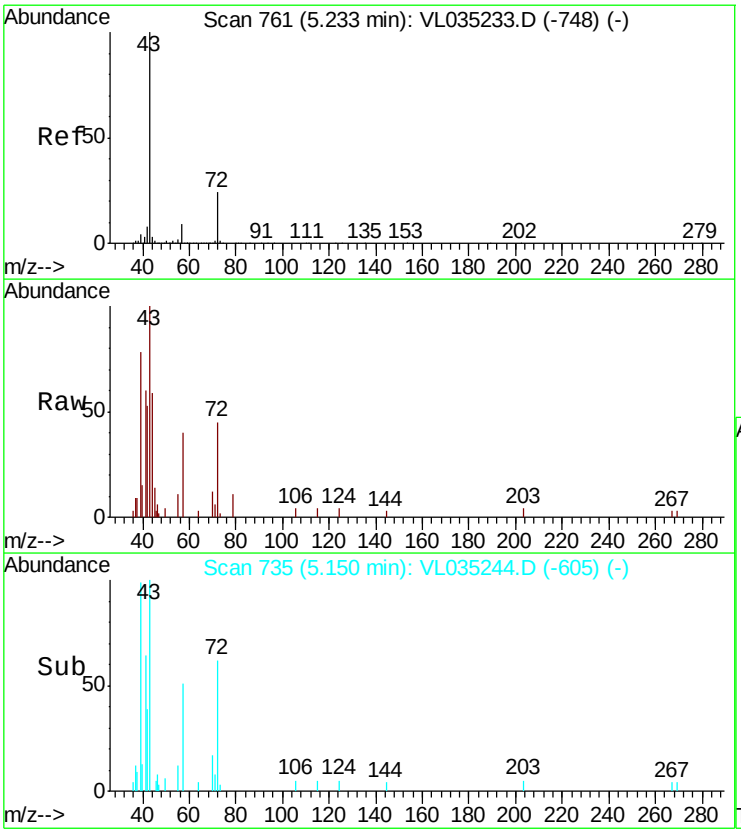
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3283865

Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.2	33.2
88	19.3	15.4	23.0

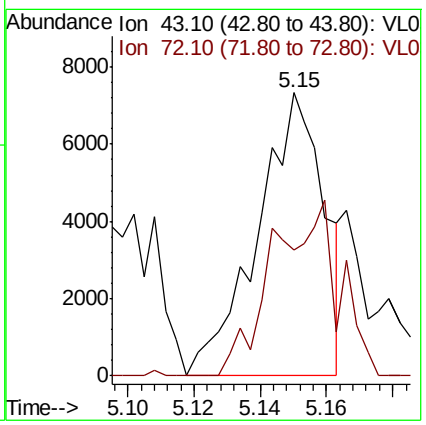


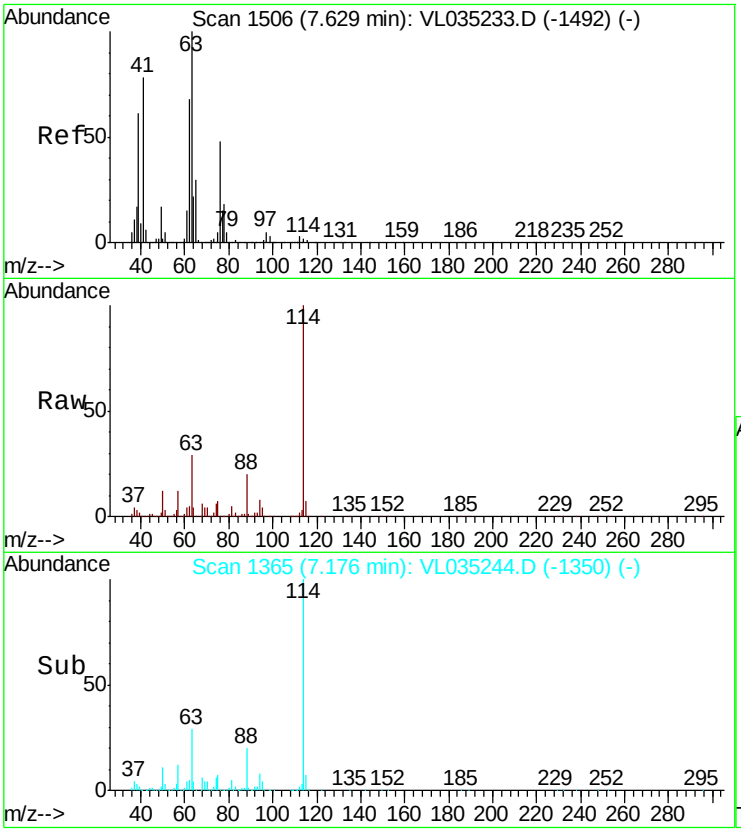


#34
2-Butanone
Concen: 0.061 ppbv
RT: 5.15 min Scan# 735
Delta R.T. -0.08 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 43 Resp: 10221

Ion	Ratio	Lower	Upper
43	100		
72	62.2	19.2	28.8#



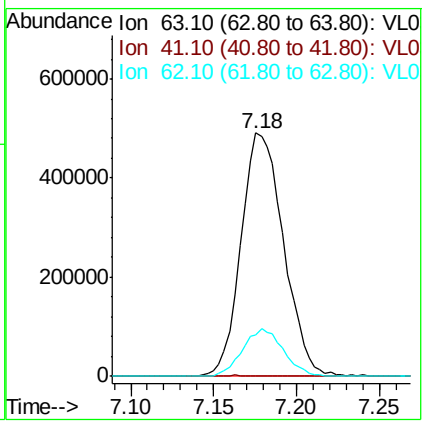


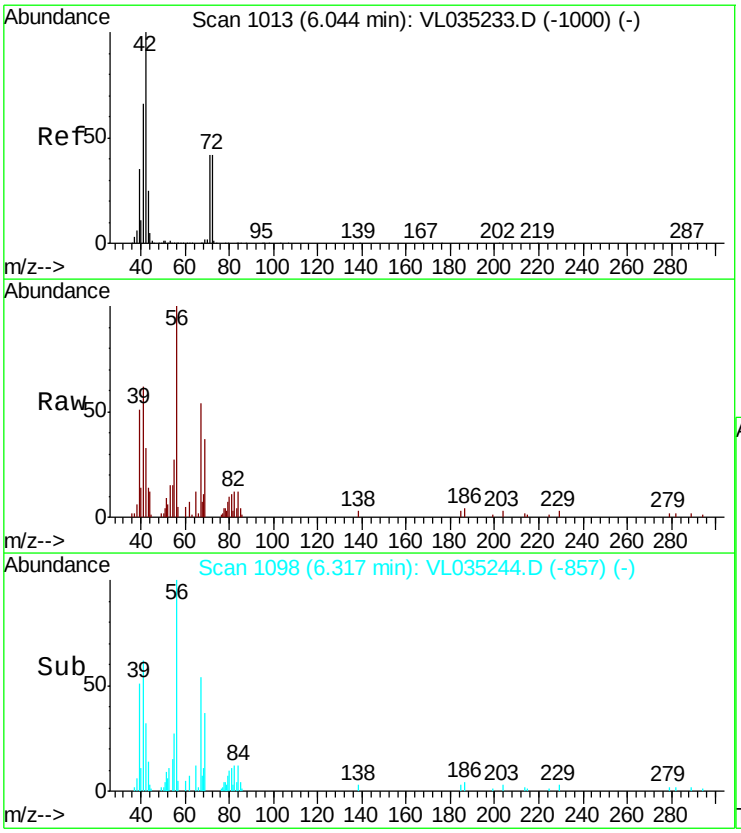
#39
1,2-Dichloropropane
Concen: 9.580 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.45 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 872348

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.2	93.4#
62	17.1	54.2	81.2#

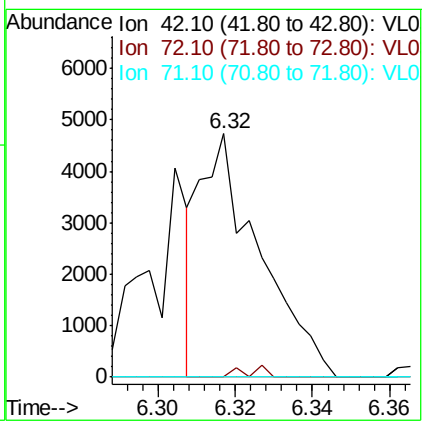


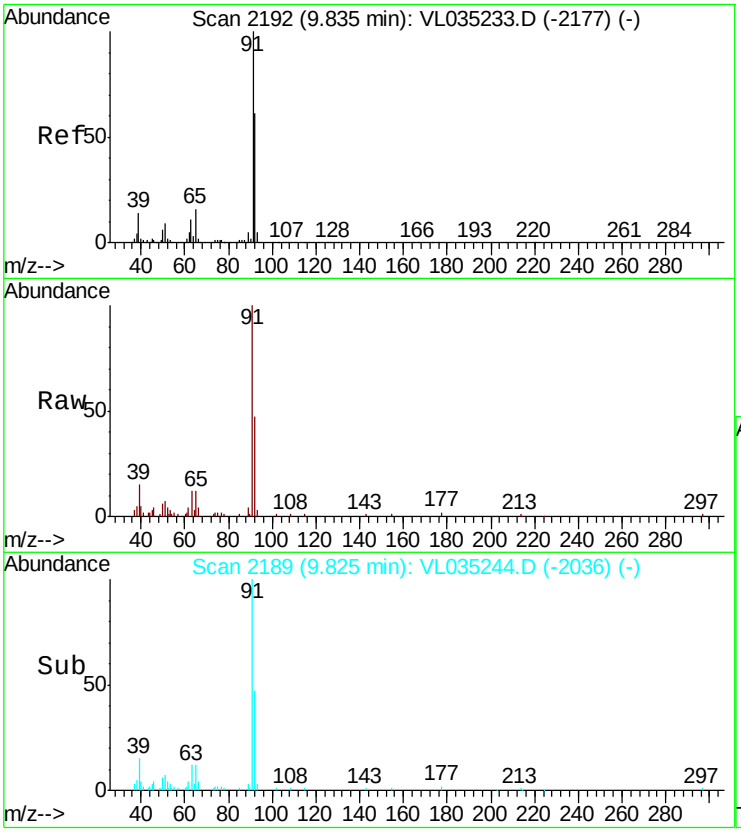


#41
Tetrahydrofuran
Concen: 0.062 ppbv
RT: 6.32 min Scan# 1098
Delta R.T. 0.27 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 42 Resp: 5047

Ion	Ratio	Lower	Upper
42	100		
72	2.3	34.2	51.2#
71	0.0	33.2	49.8#

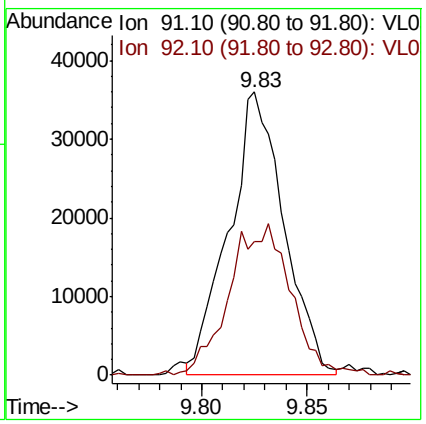




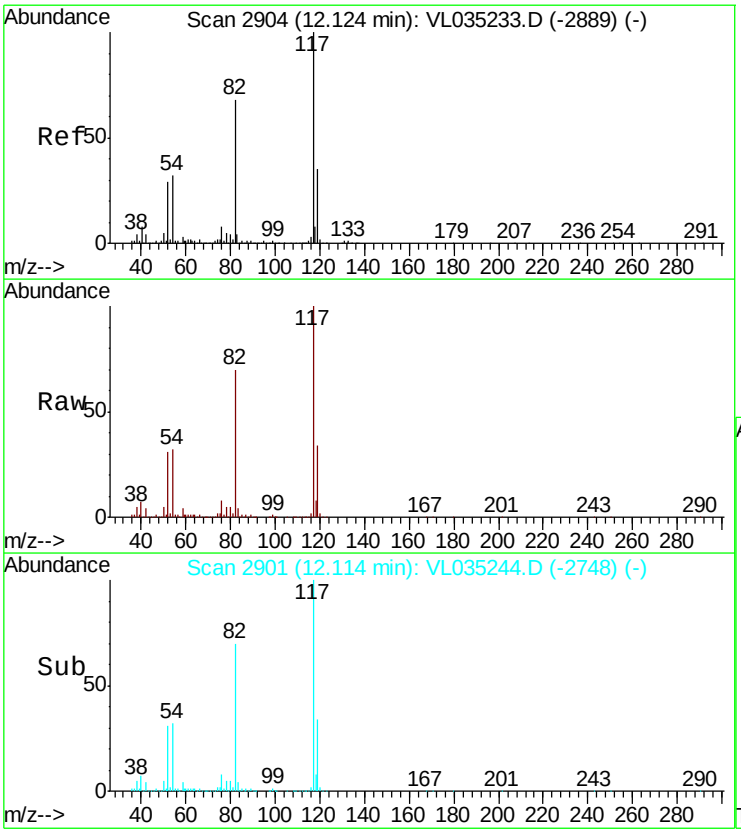
#53
Toluene
Concen: 0.270 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion: 91 Resp: 65515

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.5	72.7



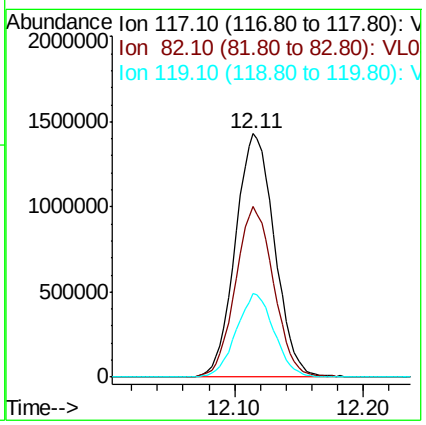
Instrument :
MSVOA_L
ClientSampleId :

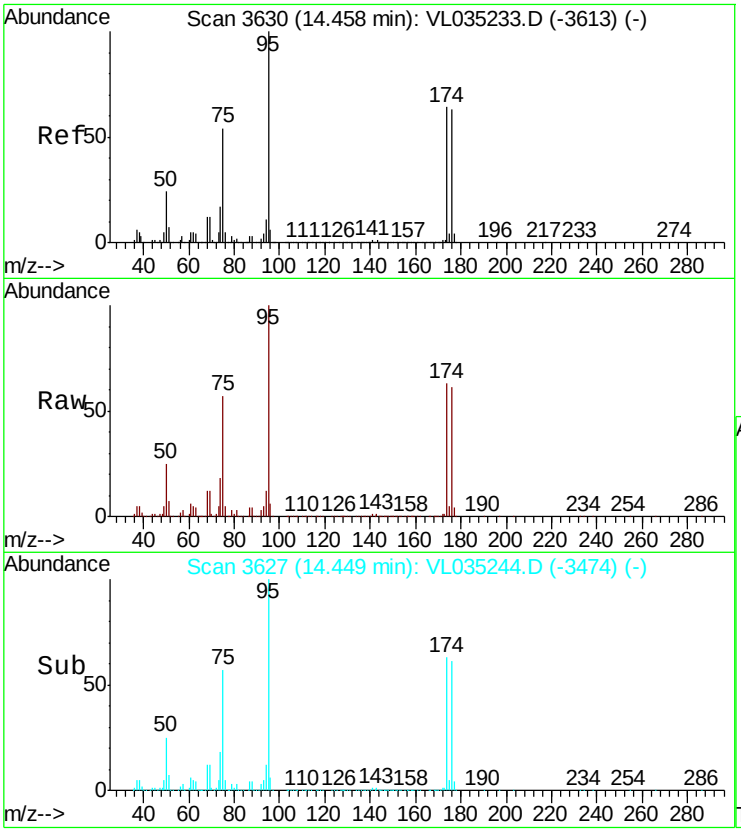


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Tgt Ion:117 Resp: 3021879

Ion	Ratio	Lower	Upper
117	100		
82	68.5	52.4	78.6
119	33.2	24.6	36.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.995 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. -0.01 min
Lab File: VL035244.D
Acq: 29 Jul 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2413553

Ion	Ratio	Lower	Upper
95	100		
174	65.5	52.7	79.1
175	4.9	3.9	5.9