Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
Data File : VL037777.D
Acq On : 5 Oct 2021 17:16
Operator : SY/AP
Sample : M4012-06
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P28

Quant Time: Oct 06 04:47:09 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1348113	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.15	114	3747701	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.06	117	3145853	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2318871	10.54	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	50108	0.233	ppbv		98
3) Chlorodifluoromethane	2.98	51	54676	0.211	ppbv		93
4) Chloromethane	3.13	50	30750	0.324	ppbv	#	66
9) Propene	3.01	41	35167	0.369	ppbv	#	16
10) Heptane	8.10	43	9582	0.044	ppbv	#	27
11) Trichlorofluoromethane	3.93	101	17790	0.093	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	6141	0.042	ppbv	#	44
13) Ethanol	3.59	45	277198	35.563	ppbv		85
15) Acetone	3.84	43	1625171	13.429	ppbv		97
16) 1,3-Butadiene	3.30	39	64061	0.728	ppbv	#	24
17) tert-Butyl alcohol	4.29	59	21459	0.172	ppbv	#	27
19) Isopropyl Alcohol	3.98	45	33938	0.451	ppbv	#	96
20) Methylene Chloride	4.33	84	521786	8.533	ppbv		96
23) Vinyl Acetate	5.05	43	40831	0.225	ppbv	#	59
25) Ethyl Acetate	5.67	43	164669	0.485	ppbv	#	81
26) Hexane	5.67	57	217156	1.299	ppbv	#	44
34) 2-Butanone	5.23	43	229749	1.519	ppbv		97
35) Carbon Tetrachloride	7.00	117	5707	0.027	ppbv	#	74
36) Benzene	6.87	78	55570	0.174	ppbv	#	95
39) 1,2-Dichloropropane	7.15	63	896199	7.443	ppbv	#	29
41) Tetrahydrofuran	6.30	42	1616	0.022	ppbv	#	58
44) 2,2,4-Trimethylpentane	7.85	57	118269	0.220	ppbv	#	83
51) 2-Hexanone	10.12	43	5454	0.062	ppbv	#	28
52) Tetrachloroethene	11.20	164	21517	0.173	ppbv	#	86
53) Toluene	9.78	91	194502	0.548	ppbv		98
58) Ethyl Benzene	12.69	91	132756	0.314	ppbv		89
59) m/p-Xylene	12.97	91	151807	0.419	ppbv	#	30
60) o-Xylene	13.66	91	65312	0.188	ppbv	#	13
66) Benzyl Chloride	16.95	91	897	0.043	ppbv	#	81
72) 4-Ethyltoluene	15.81	105	12042	0.031	ppbv	#	66
74) 1,2,4-Trimethylbenzene	16.73	105	38488	0.102	ppbv	#	72

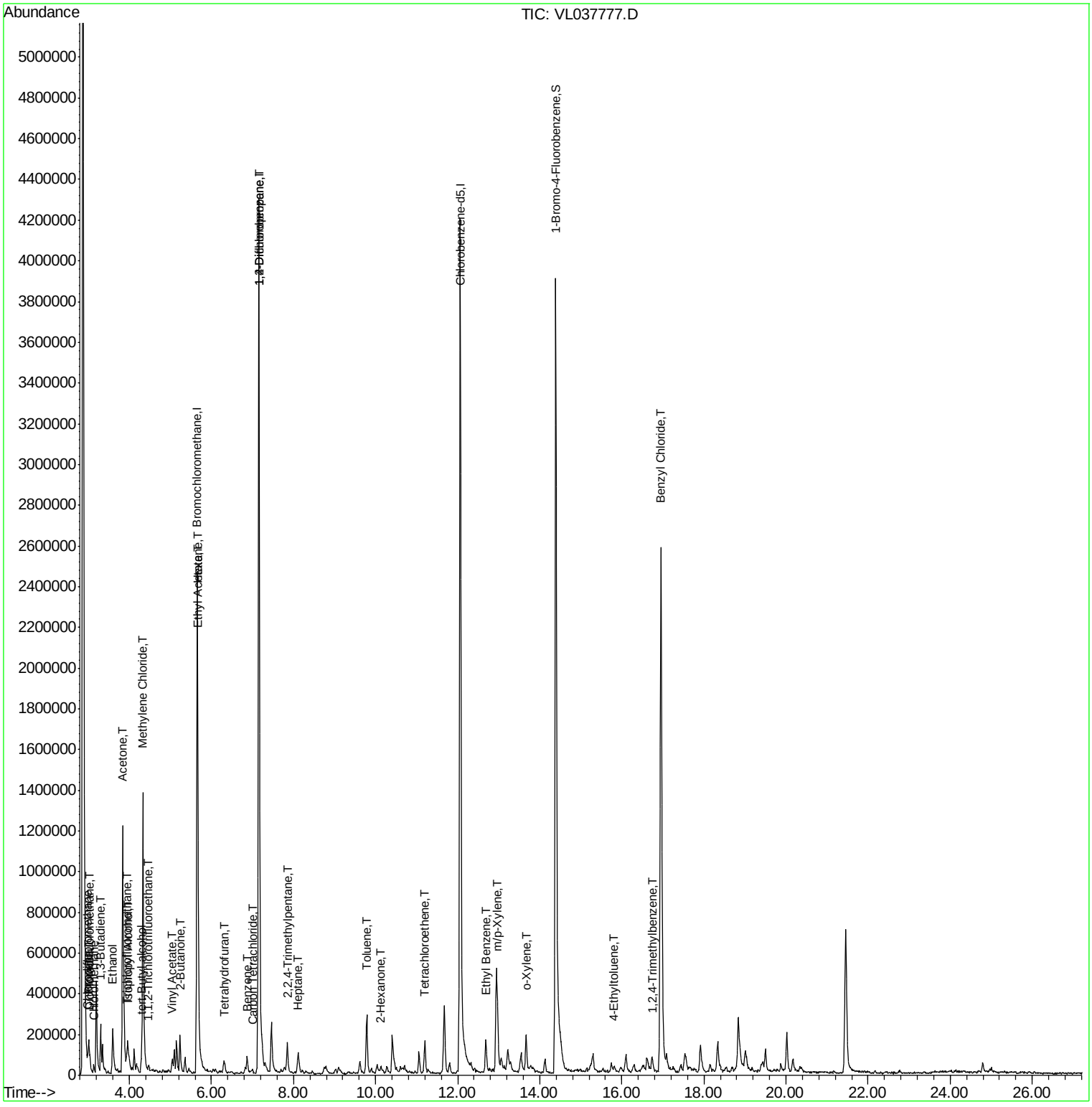
(#) = qualifier out of range (m) = manual integration (+) = signals summed

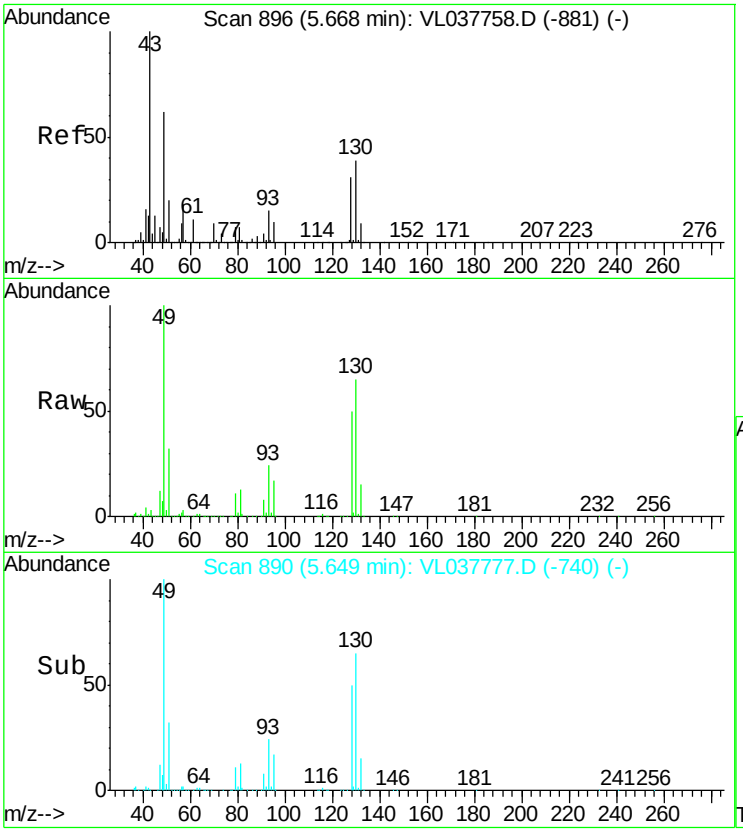
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
Data File : VL037777.D
Acq On : 5 Oct 2021 17:16
Operator : SY/AP
Sample : M4012-06
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P28

Quant Time: Oct 06 04:47:09 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration



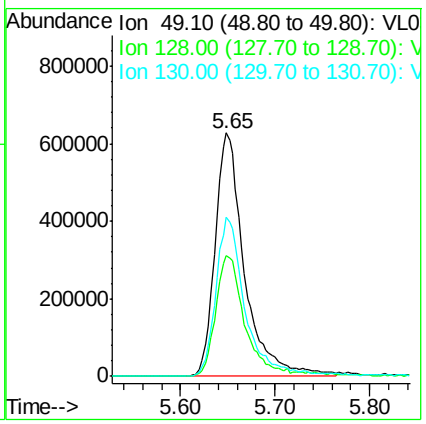


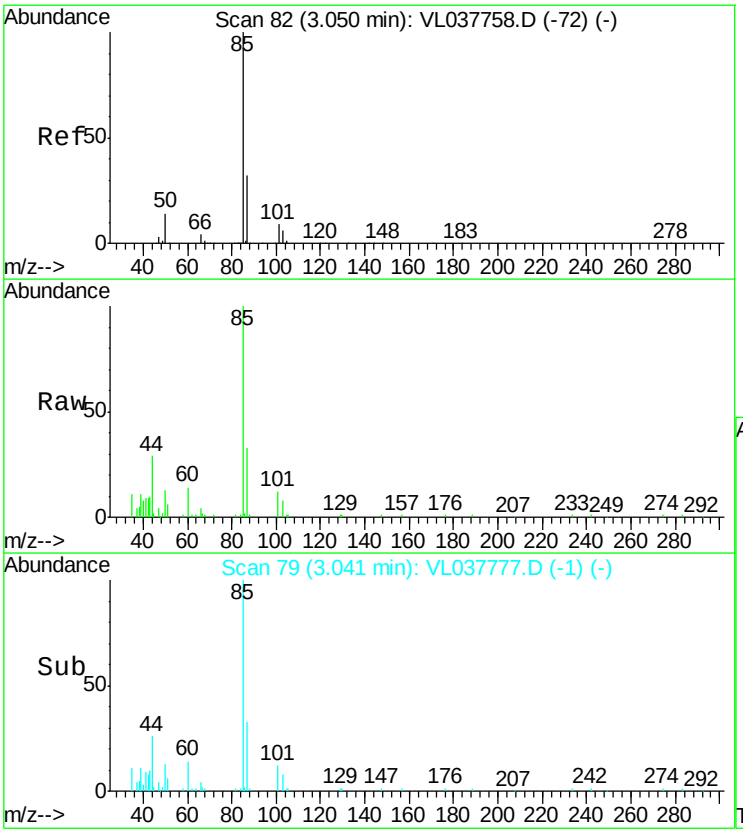
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument :
MSVOA_L
ClientSampleId :
C0P28

Tgt Ion: 49 Resp: 1348113

Ion	Ratio	Lower	Upper
49	100		
128	51.5	27.1	81.3
130	67.0	33.2	99.6

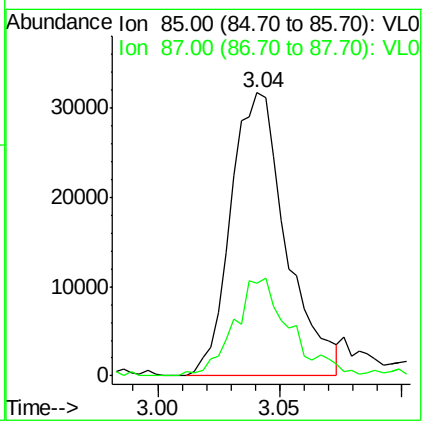


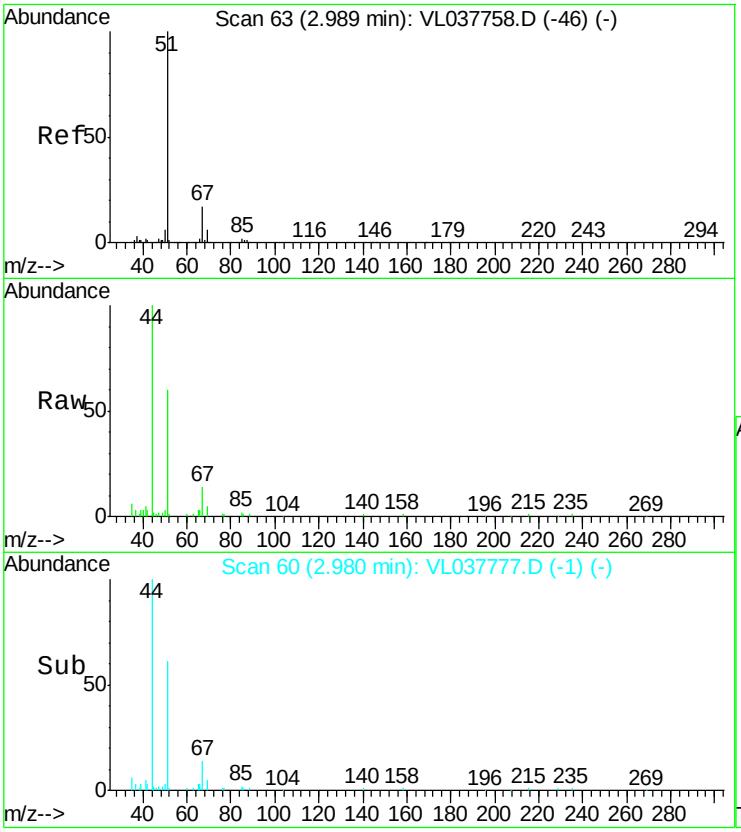


#2
Dichlorodifluoromethane
Concen: 0.233 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 85 Resp: 50108

Ion	Ratio	Lower	Upper
85	100		
87	31.1	25.7	38.5



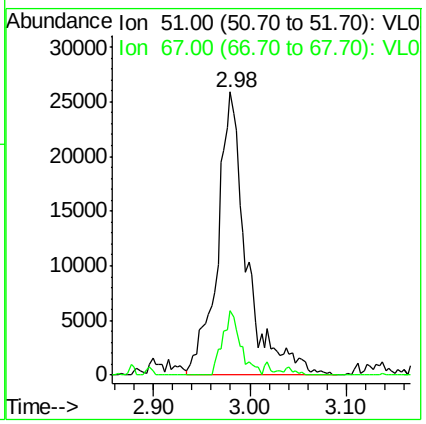


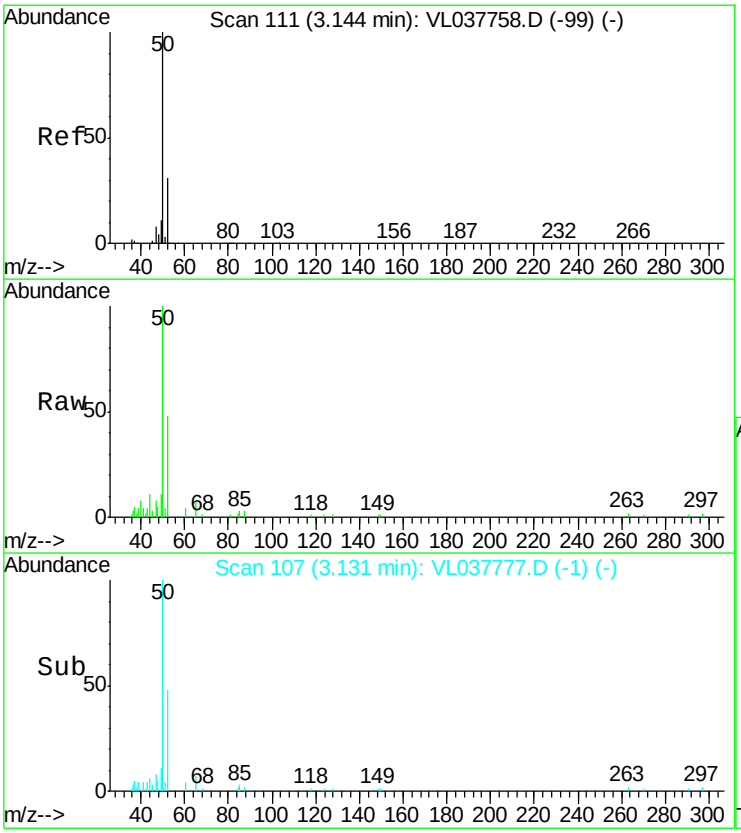
#3
Chlorodifluoromethane
Concen: 0.211 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.01 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 51 Resp: 54676

Ion	Ratio	Lower	Upper
51	100		
67	13.9	13.5	20.3

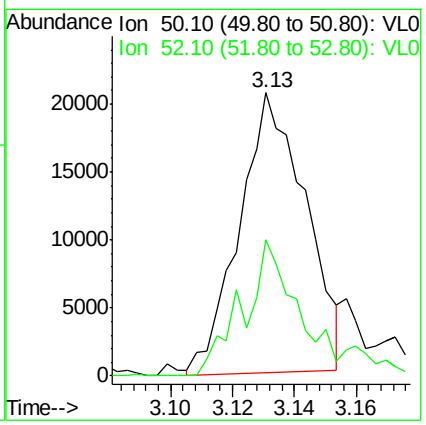


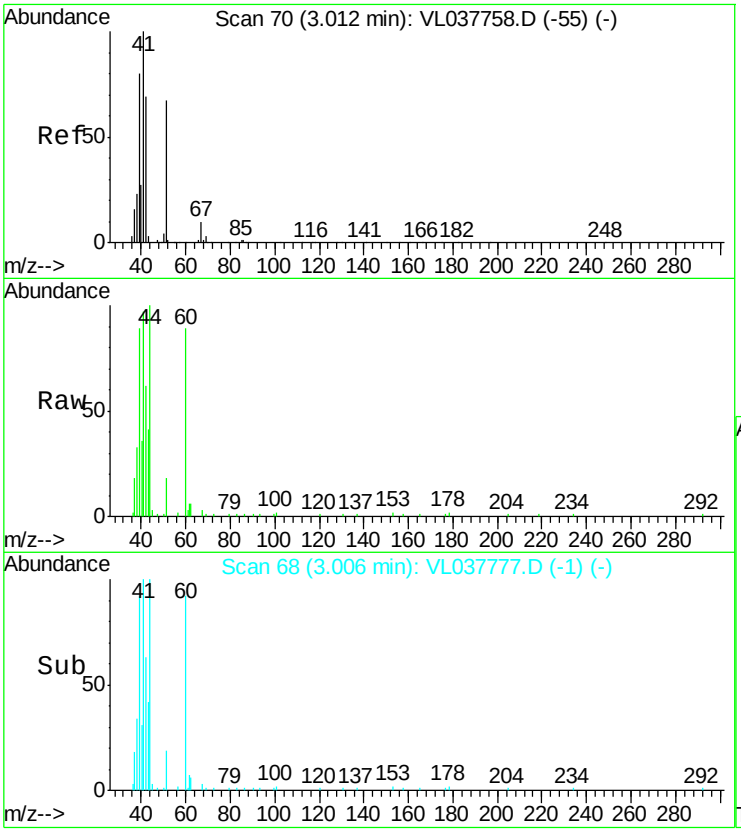


#4
Chloromethane
Concen: 0.324 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 50 Resp: 30750

Ion	Ratio	Lower	Upper
50	100		
52	49.1	24.4	36.6#



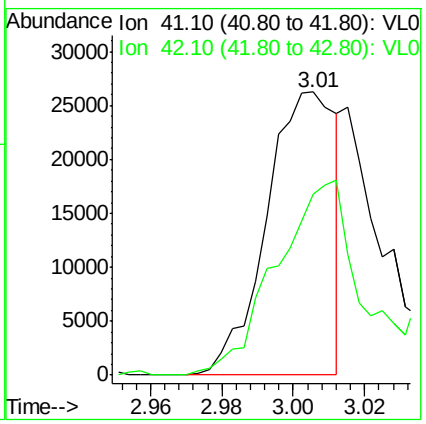


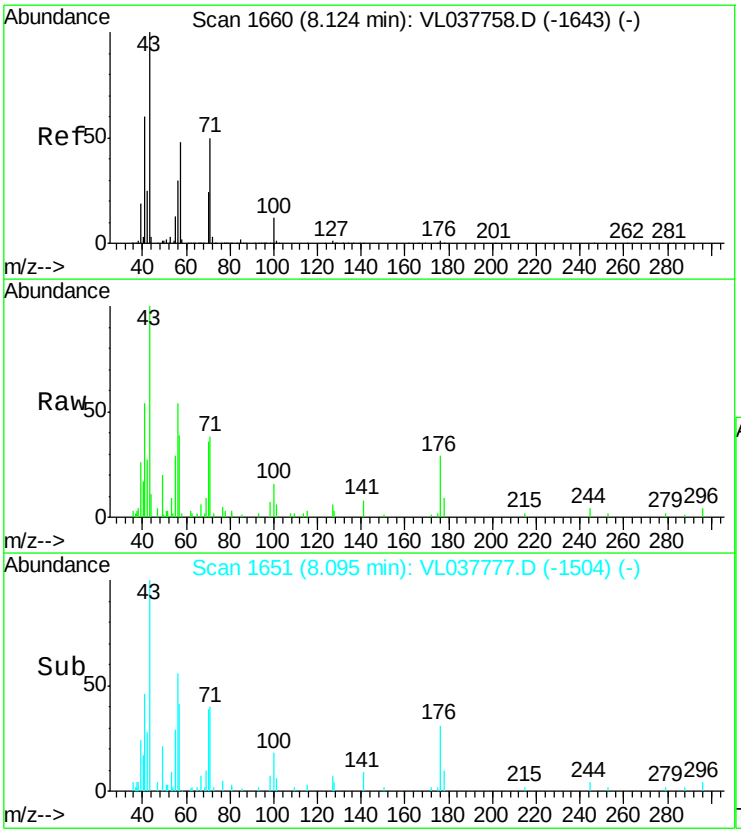
#9
Propene
Concen: 0.369 ppbv
RT: 3.01 min Scan# 68
Delta R.T. -0.01 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 41 Resp: 35167

Ion	Ratio	Lower	Upper
41	100		
42	0.0	54.2	81.2#

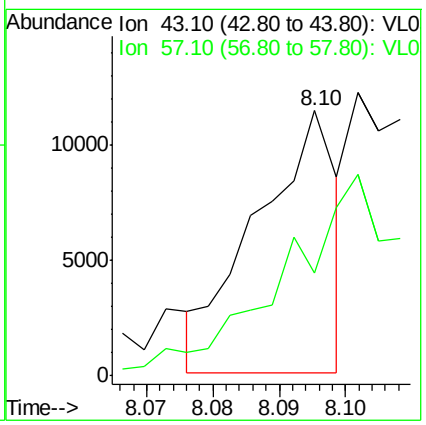


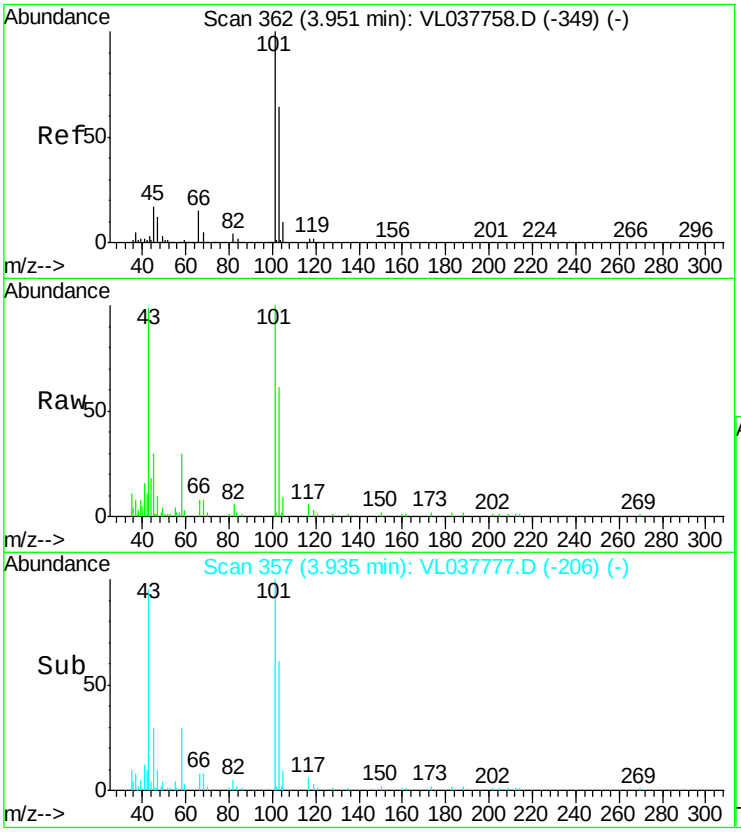


#10
Heptane
Concen: 0.044 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.03 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 43 Resp: 9582

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.0	60.0#



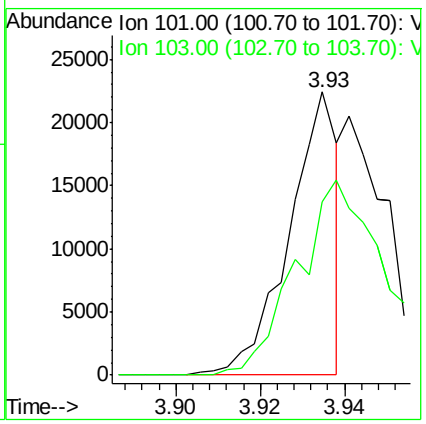


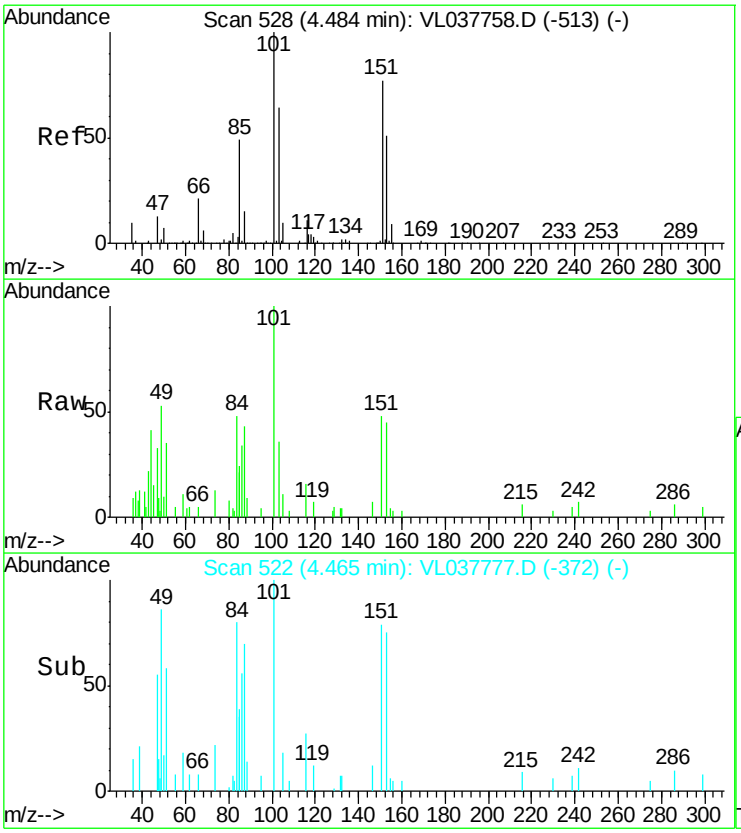
#11
Trichlorofluoromethane
Concen: 0.093 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion:101 Resp: 17790

Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.5	77.3

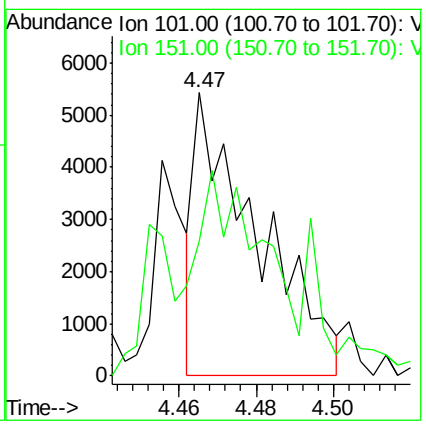


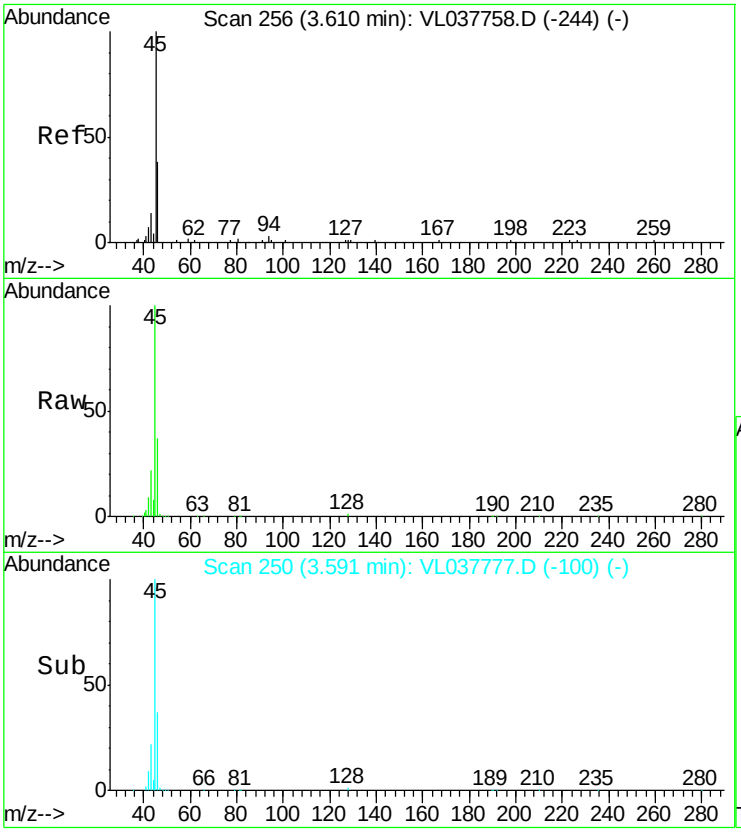


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.042 ppbv
RT: 4.47 min Scan# 522
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion:101 Resp: 6141

Ion	Ratio	Lower	Upper
101	100		
151	127.7	62.9	94.3#



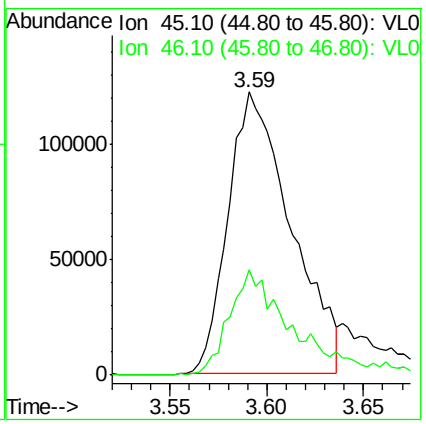


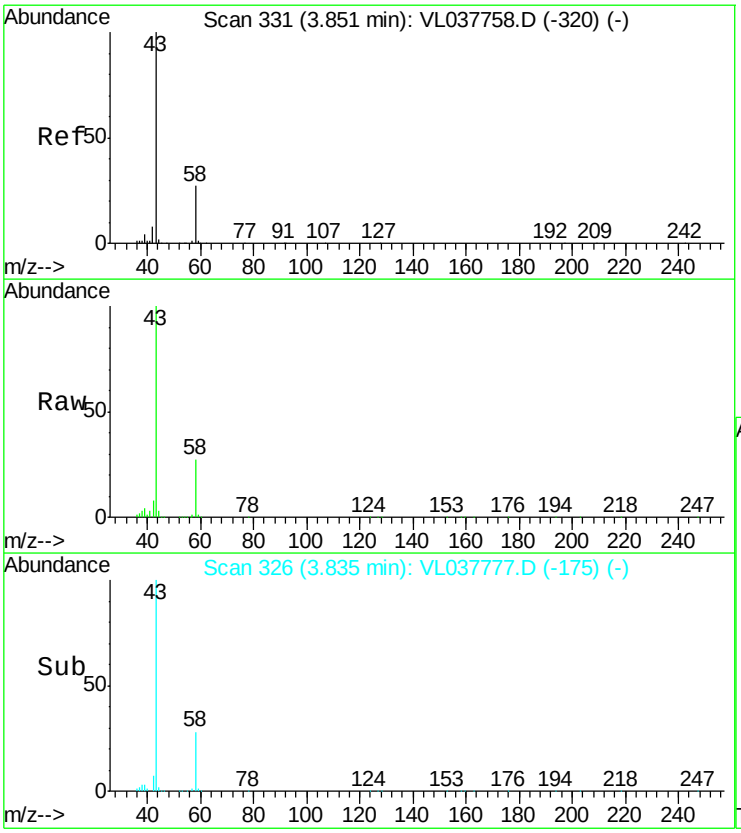
#13
Ethanol
Concen: 35.563 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 45 Resp: 277198

Ion	Ratio	Lower	Upper
45	100		
46	40.5	20.2	81.0

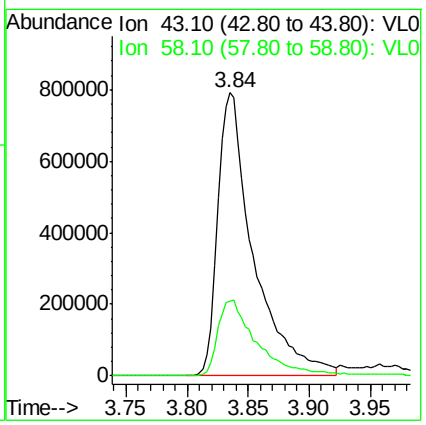


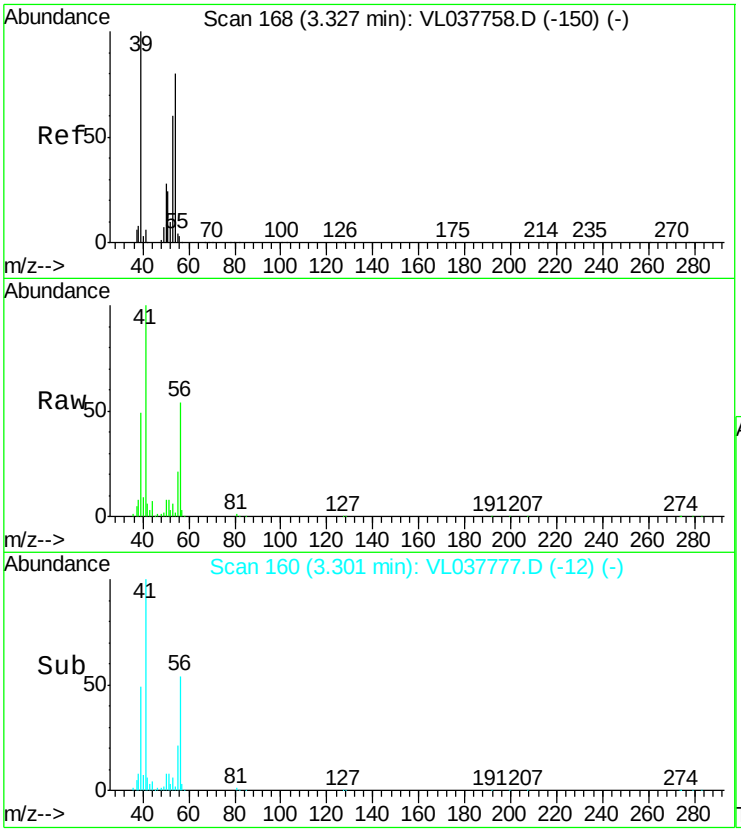


#15
Acetone
Concen: 13.429 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 43 Resp: 1625171

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.0	34.6



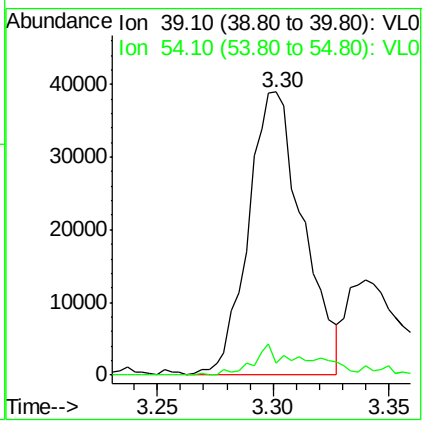


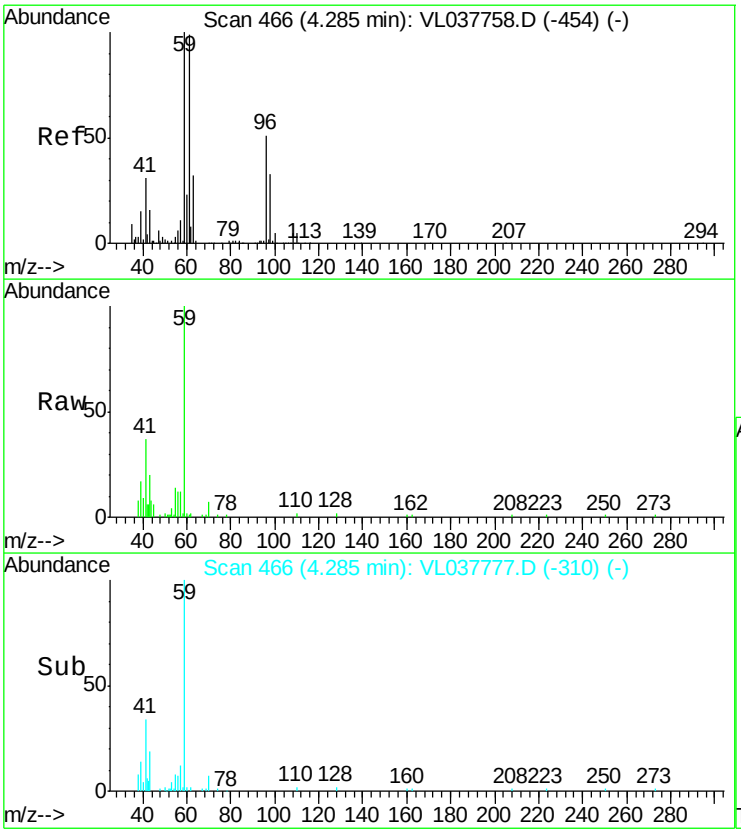
#16
1,3-Butadiene
Concen: 0.728 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.03 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 39 Resp: 64061

Ion	Ratio	Lower	Upper
39	100		
54	11.7	61.7	92.5#

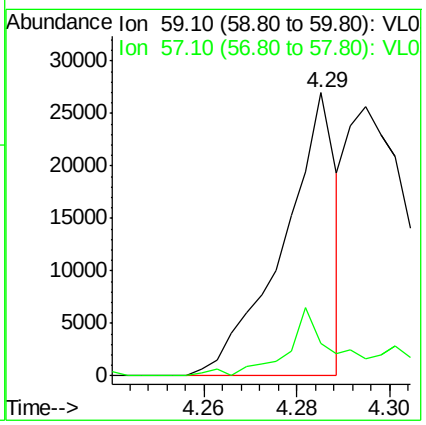


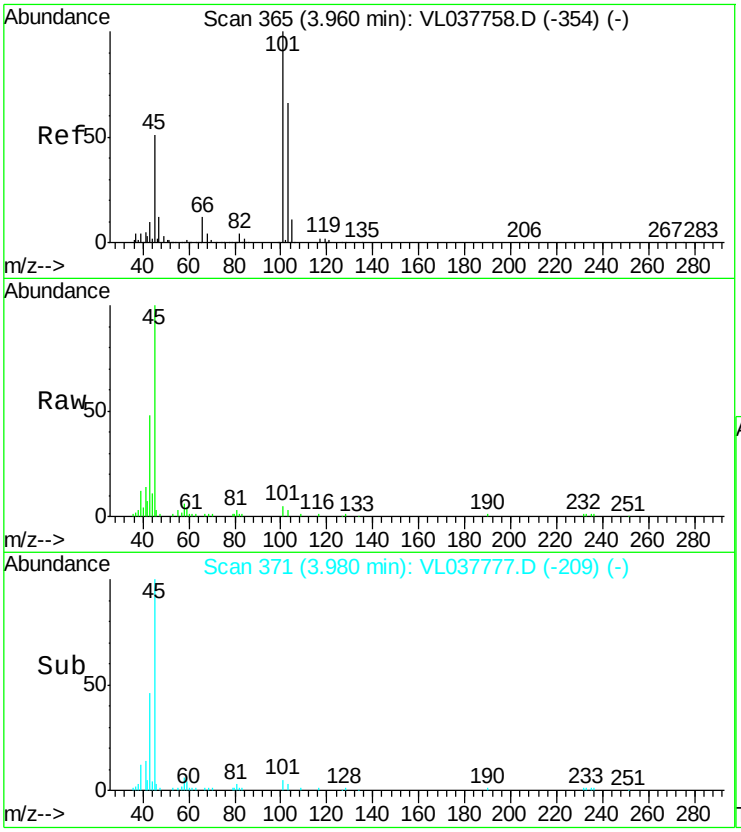


#17
tert-Butyl alcohol
Concen: 0.172 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 59 Resp: 21459

Ion	Ratio	Lower	Upper
59	100		
57	38.2	8.6	13.0#



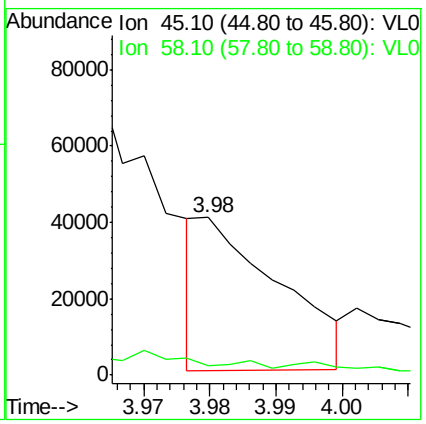


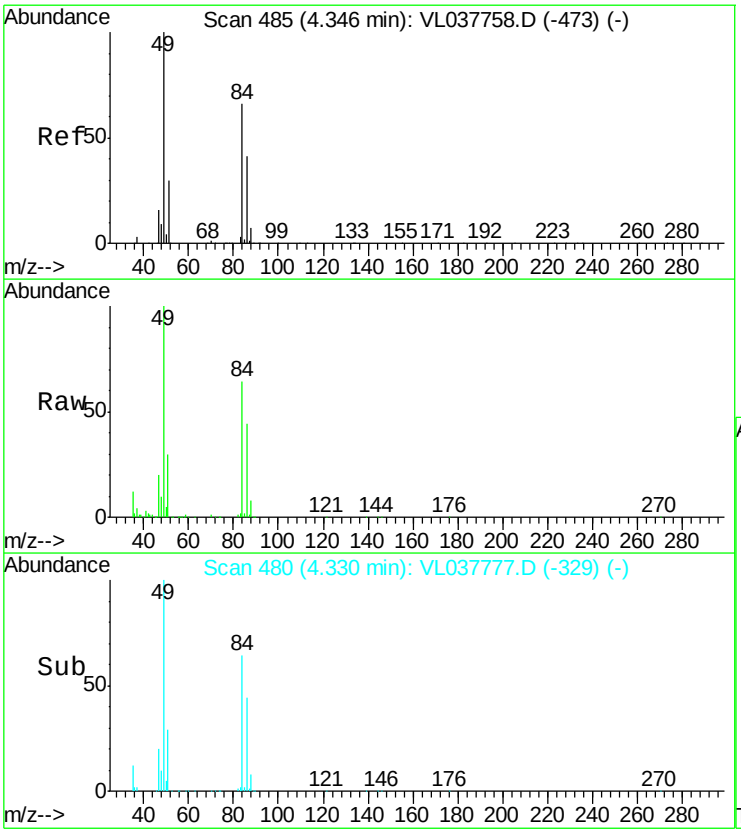
#19
Isopropyl Alcohol
Concen: 0.451 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 45 Resp: 33938

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.1	1.7#

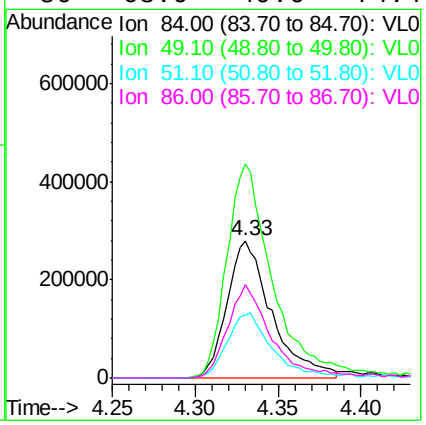


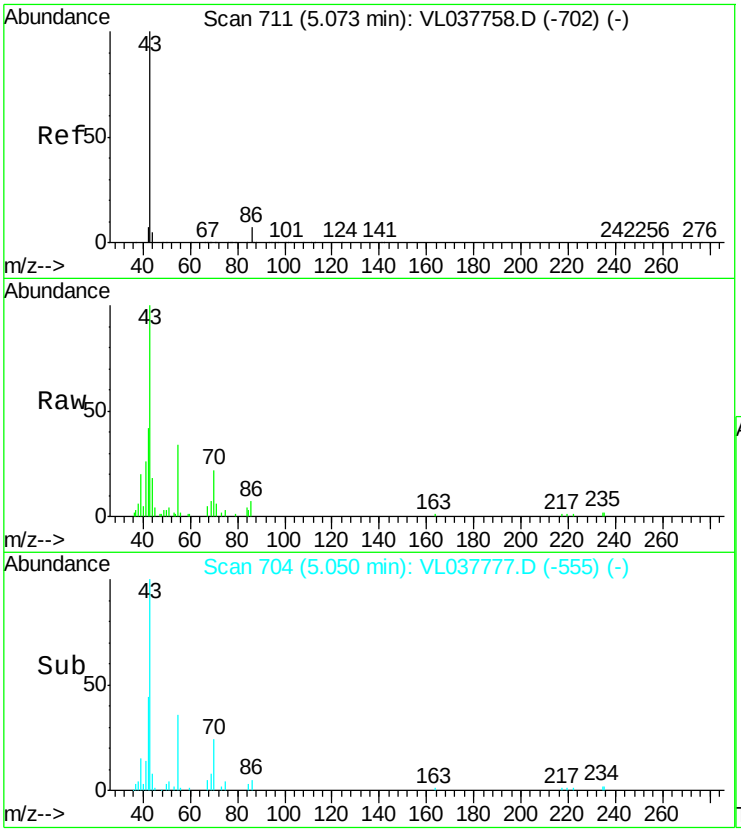


#20
Methylene Chloride
Concen: 8.533 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 84 Resp: 521786

Ion	Ratio	Lower	Upper
84	100		
49	155.5	120.7	181.1
51	45.9	36.2	54.4
86	68.0	49.6	74.4



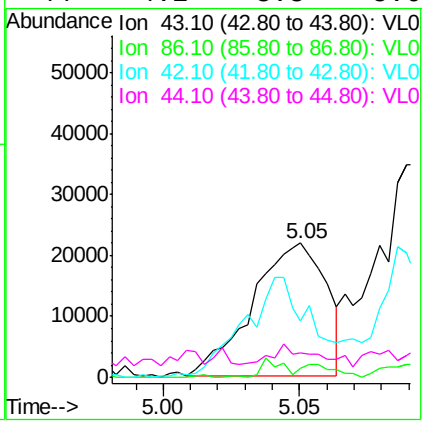


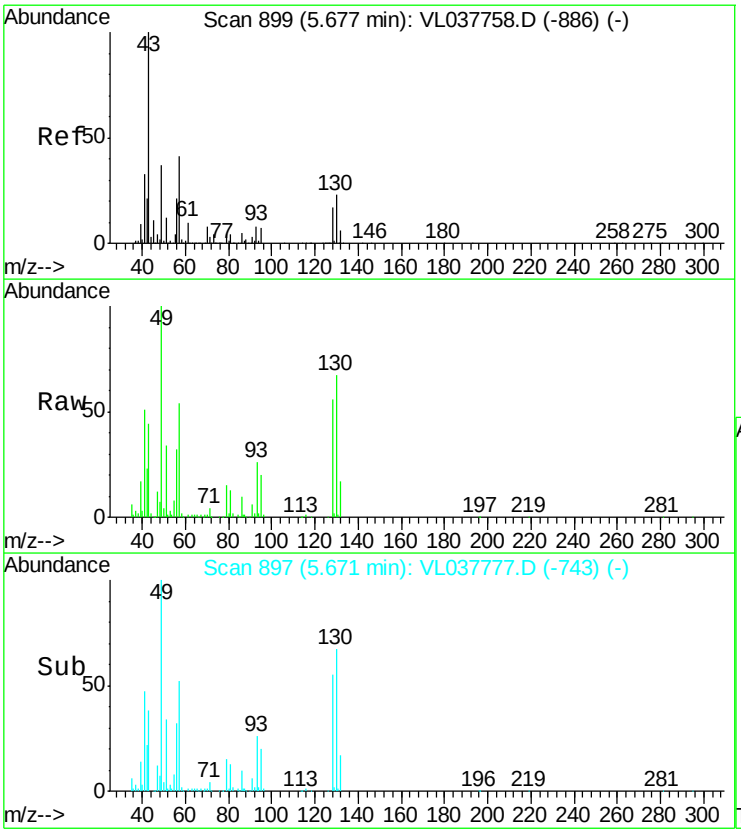
#23
Vinyl Acetate
Concen: 0.225 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 43 Resp: 40831

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.0	7.4
42	40.5	7.4	11.0#
44	4.2	3.8	5.6

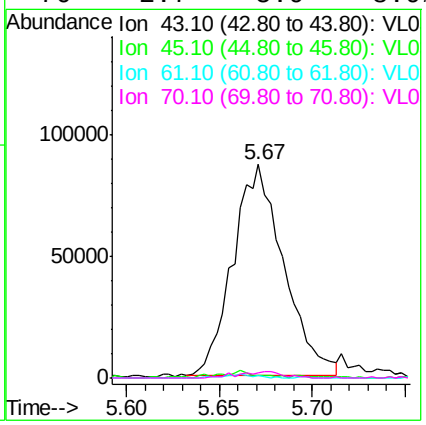


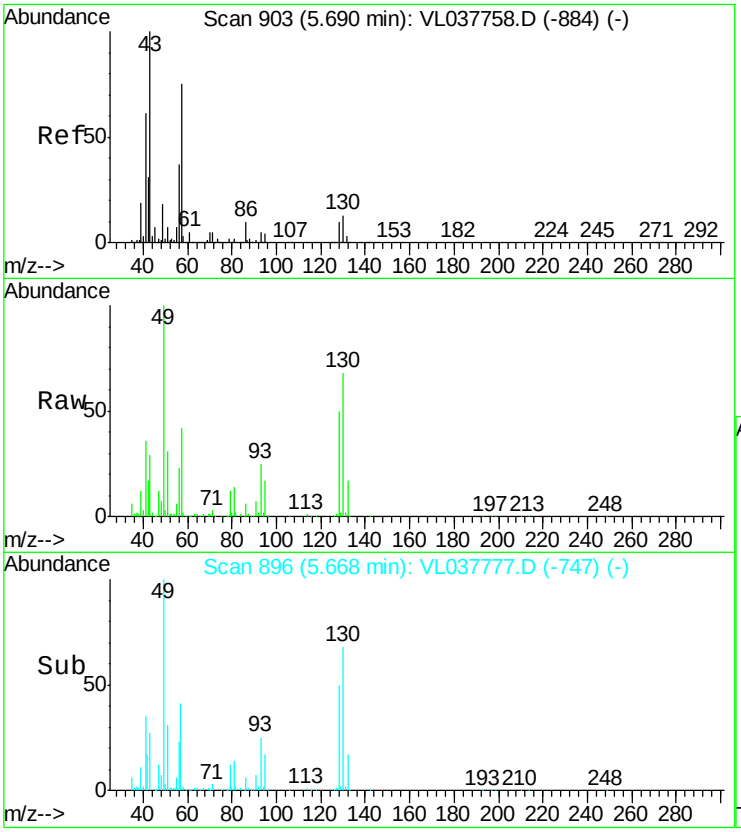


#25
Ethyl Acetate
Concen: 0.485 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 43 Resp: 164669

Ion	Ratio	Lower	Upper
43	100		
45	2.2	8.1	12.1#
61	1.5	7.5	11.3#
70	2.7	5.9	8.9#



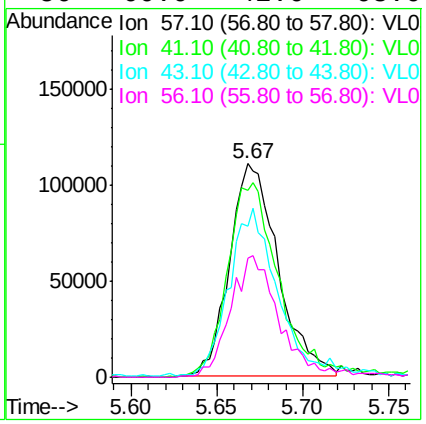


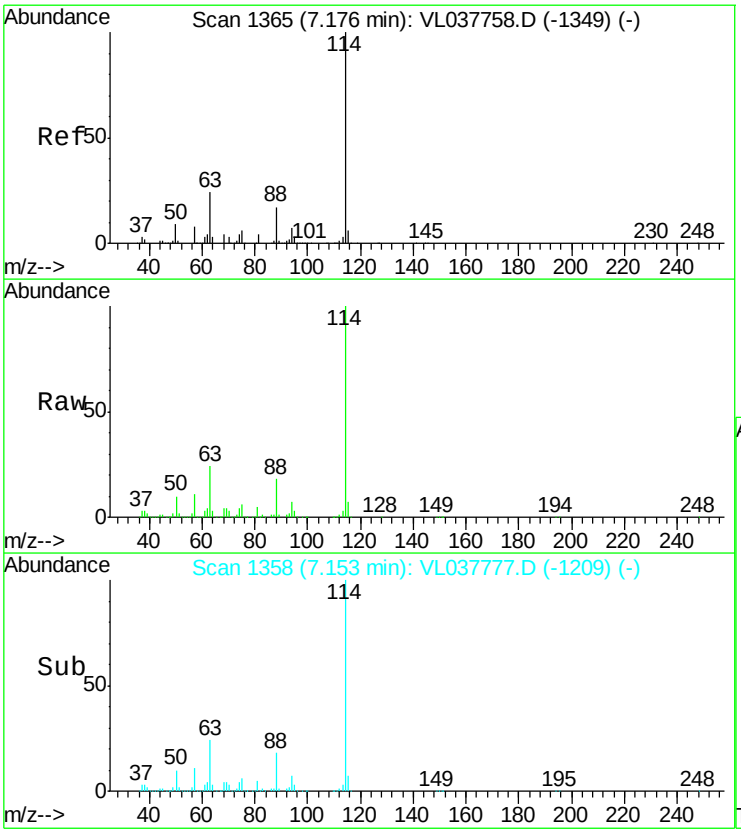
#26
Hexane
Concen: 1.299 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 57 Resp: 217156

Ion	Ratio	Lower	Upper
57	100		
41	99.1	69.6	104.4
43	81.3	171.4	257.0#
56	60.0	42.0	63.0

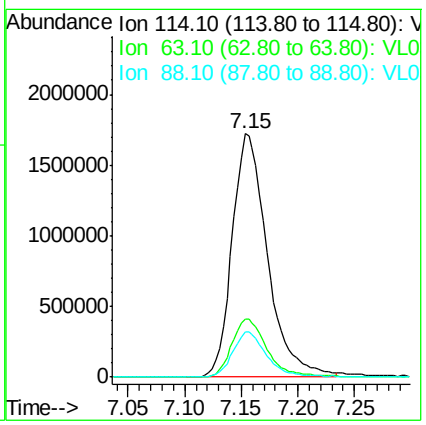


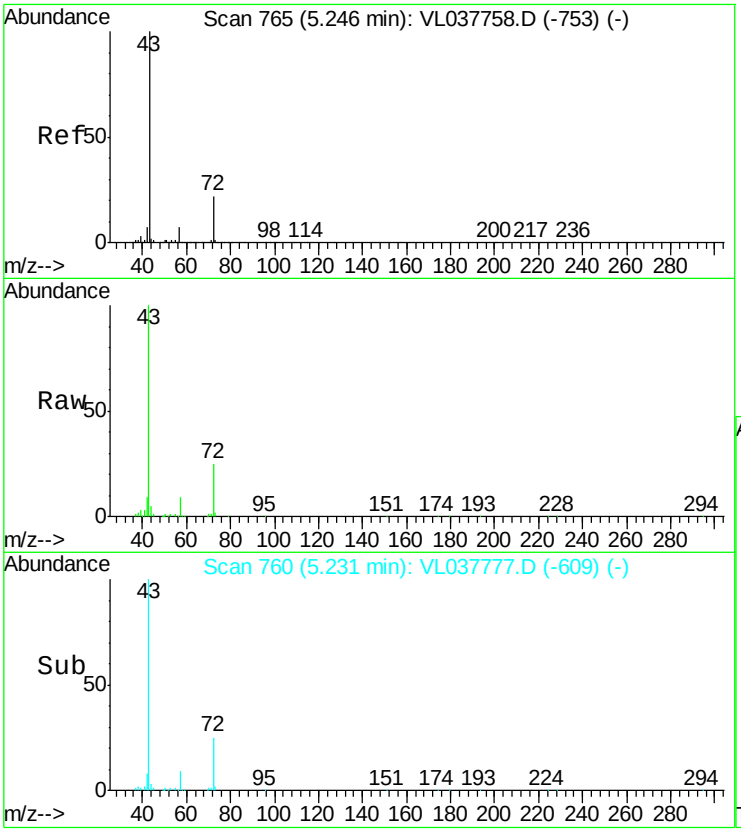


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion:114 Resp: 3747701

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.4	29.2
88	18.1	14.4	21.6



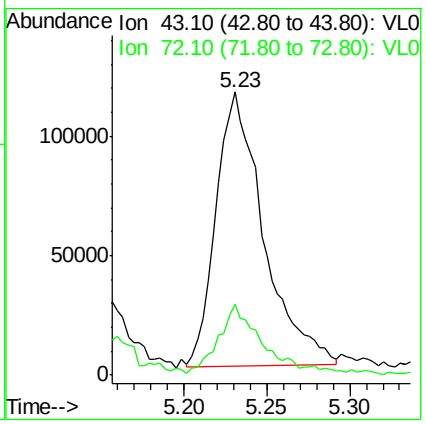


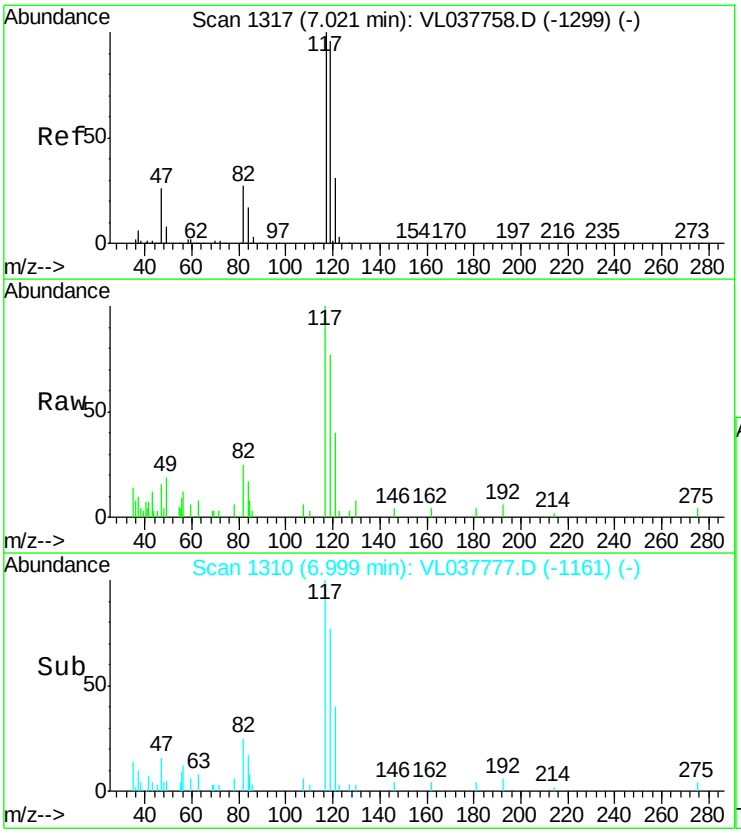
#34
2-Butanone
Concen: 1.519 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument :
MSVOA_L
ClientSampleId :
C0P28

Tgt Ion: 43 Resp: 229749

Ion	Ratio	Lower	Upper
43	100		
72	23.9	18.2	27.2

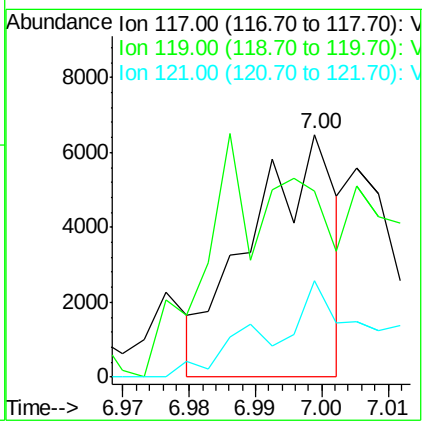


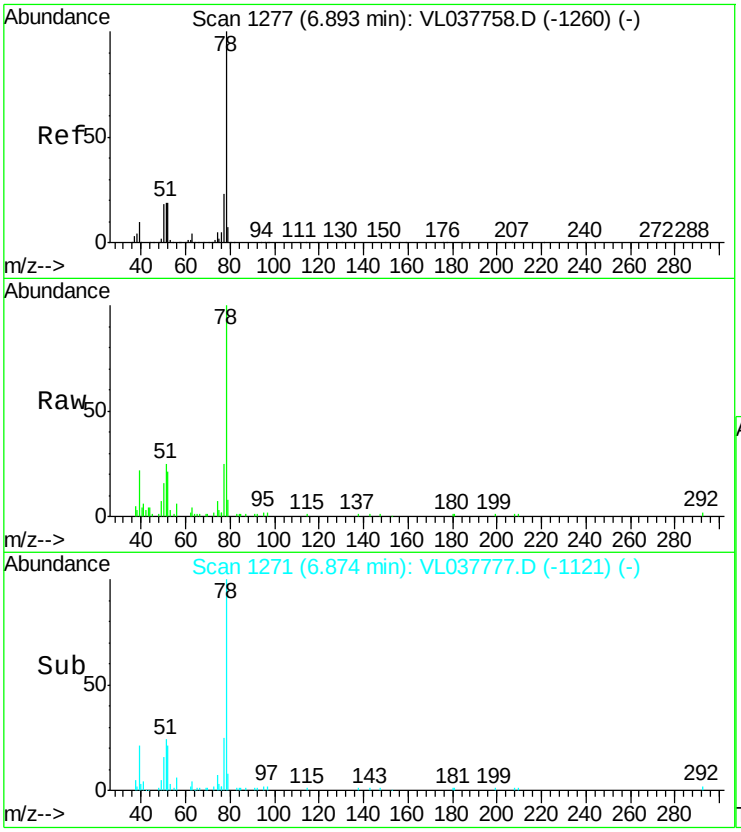


#35
Carbon Tetrachloride
Concen: 0.027 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion:117 Resp: 5707

Ion	Ratio	Lower	Upper
117	100		
119	69.2	76.5	114.7#
121	44.4	24.9	37.3#



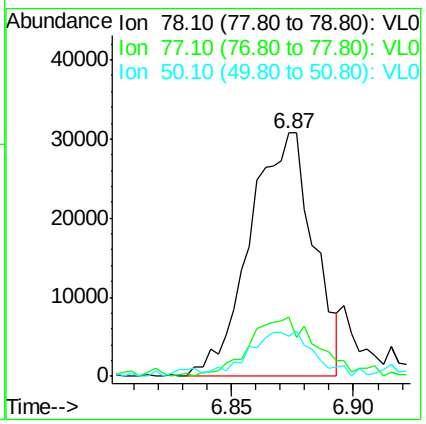


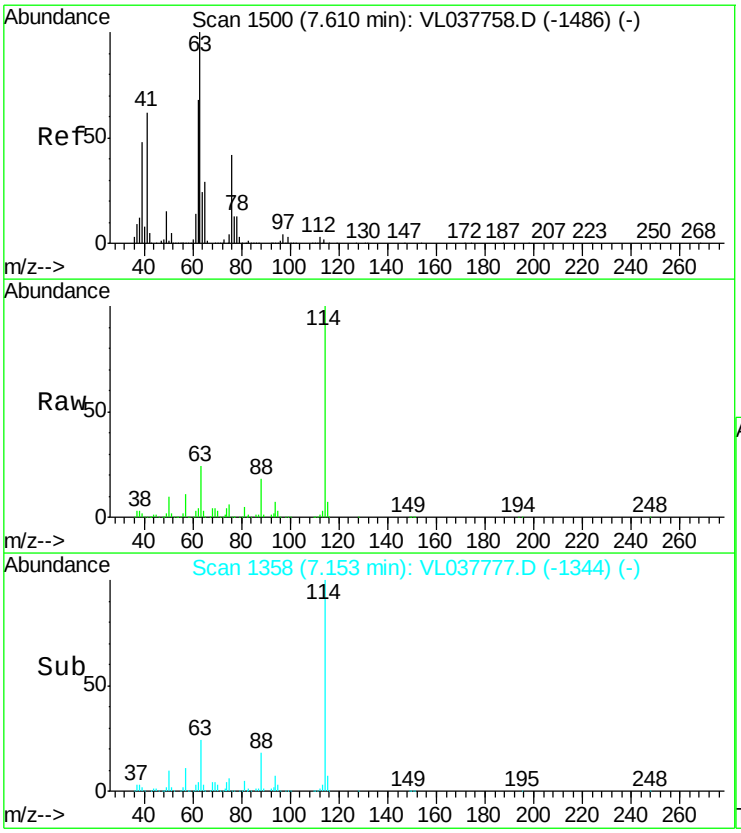
#36
Benzene
Concen: 0.174 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 78 Resp: 55570

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2
50	13.5	14.7	22.1#

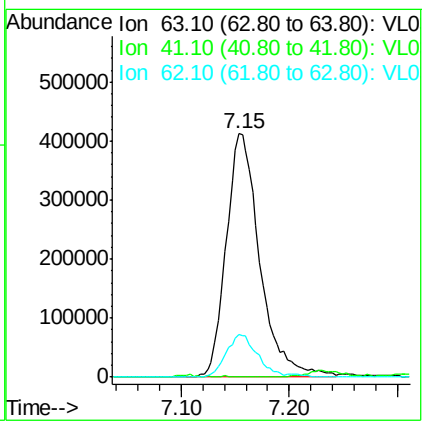


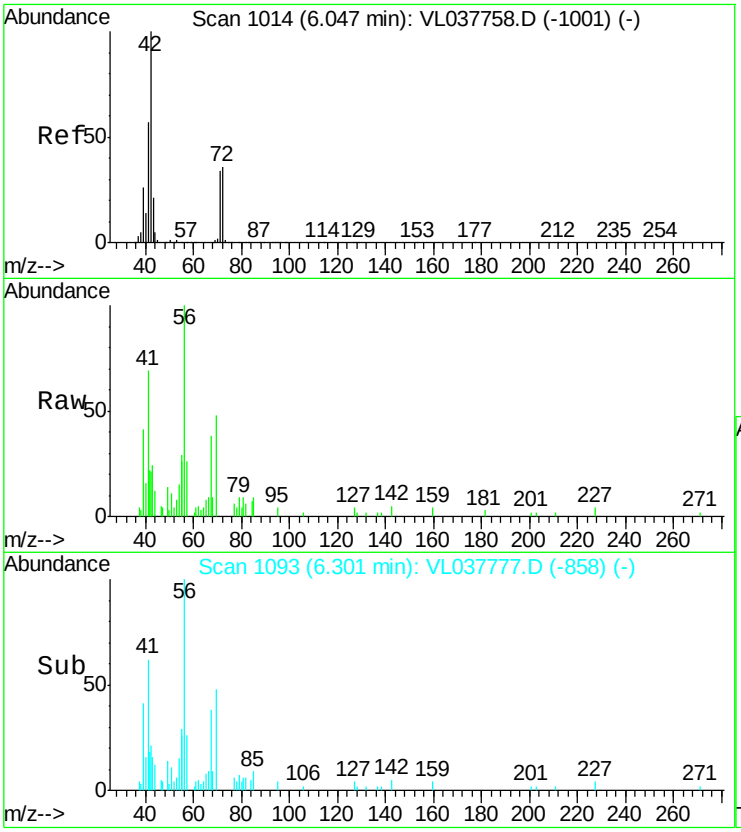


#39
1,2-Dichloropropane
Concen: 7.443 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.46 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 63 Resp: 896199

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	17.5	54.6	82.0#



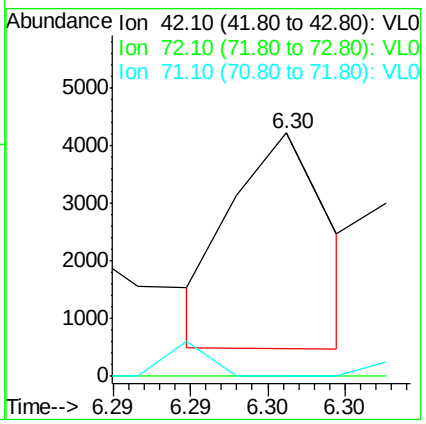


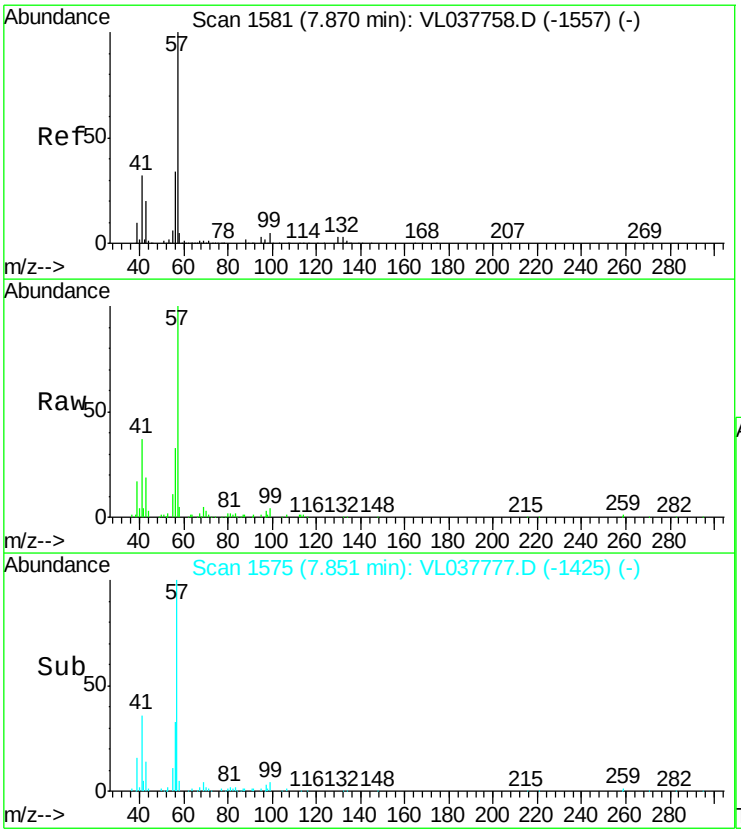
#41
Tetrahydrofuran
Concen: 0.022 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. 0.25 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 42 Resp: 1616

Ion	Ratio	Lower	Upper
42	100		
72	26.5	31.9	47.9#
71	0.0	30.3	45.5#

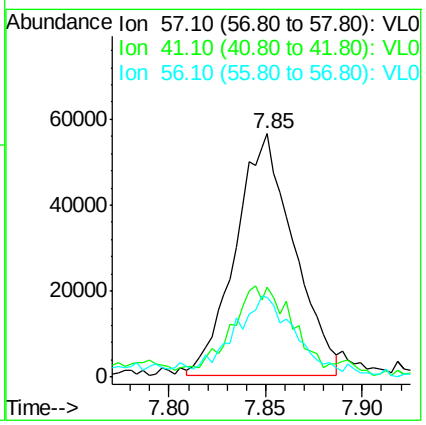


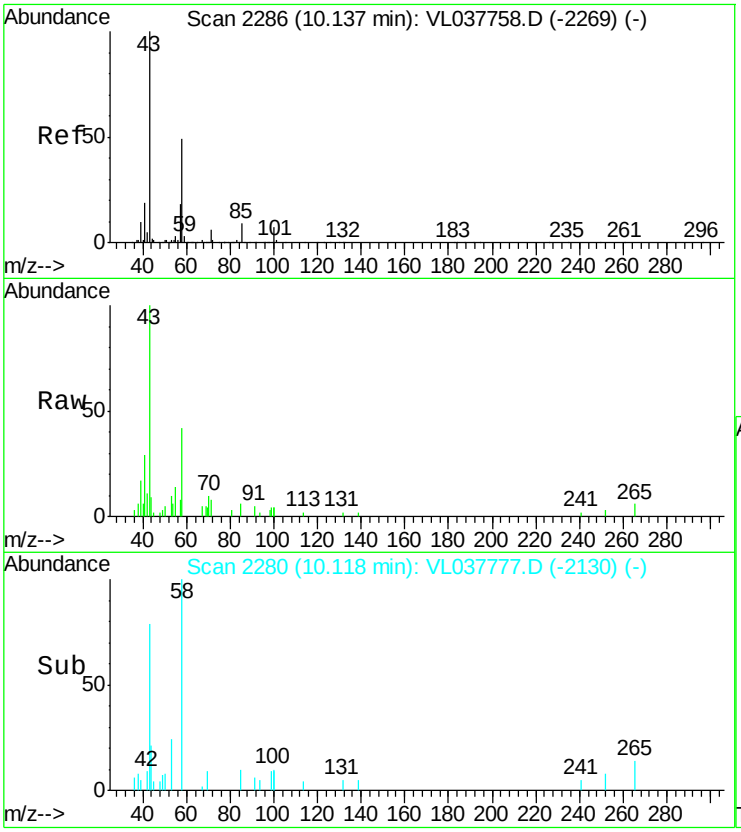


#44
2,2,4-Trimethylpentane
Concen: 0.220 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 57 Resp: 118269

Ion	Ratio	Lower	Upper
57	100		
41	43.3	25.6	38.4#
56	39.5	25.5	38.3#



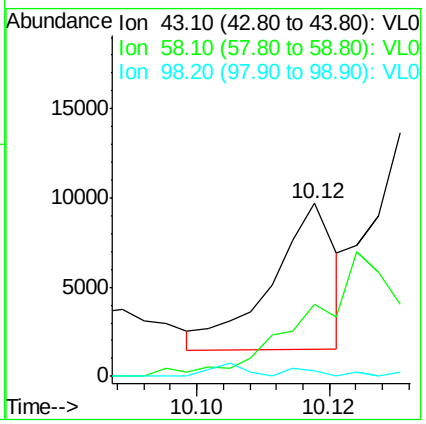


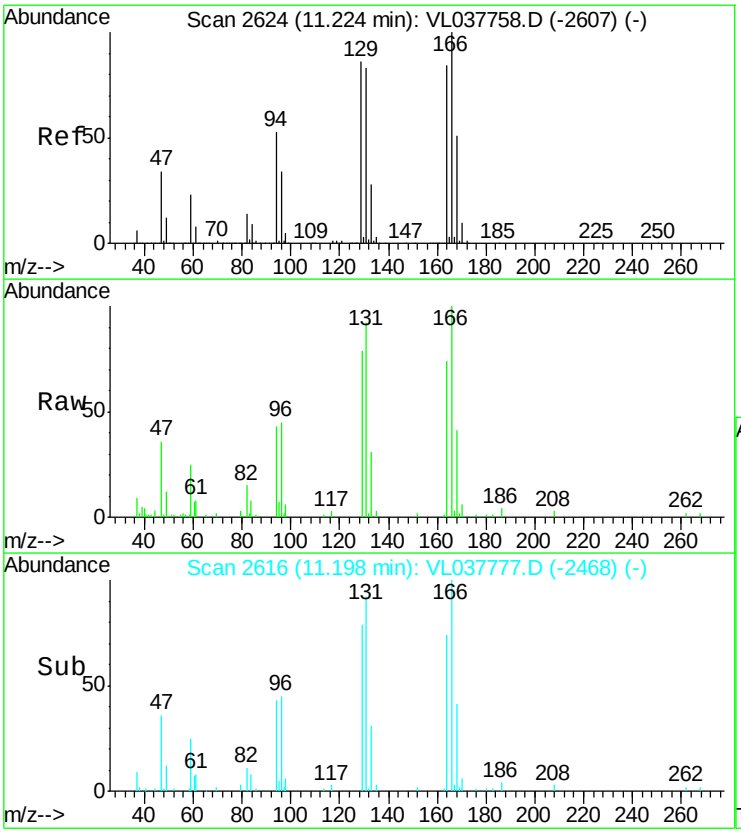
#51
2-Hexanone
Concen: 0.062 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 43 Resp: 5454

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.4	59.0#
98	8.3	0.3	0.5#

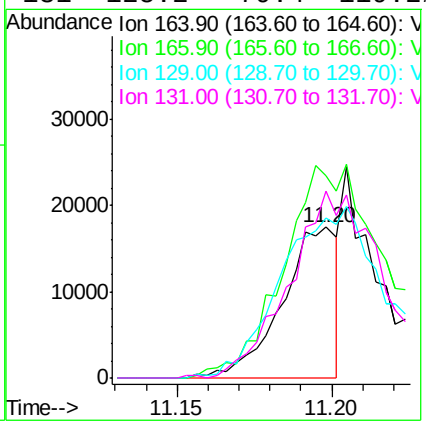


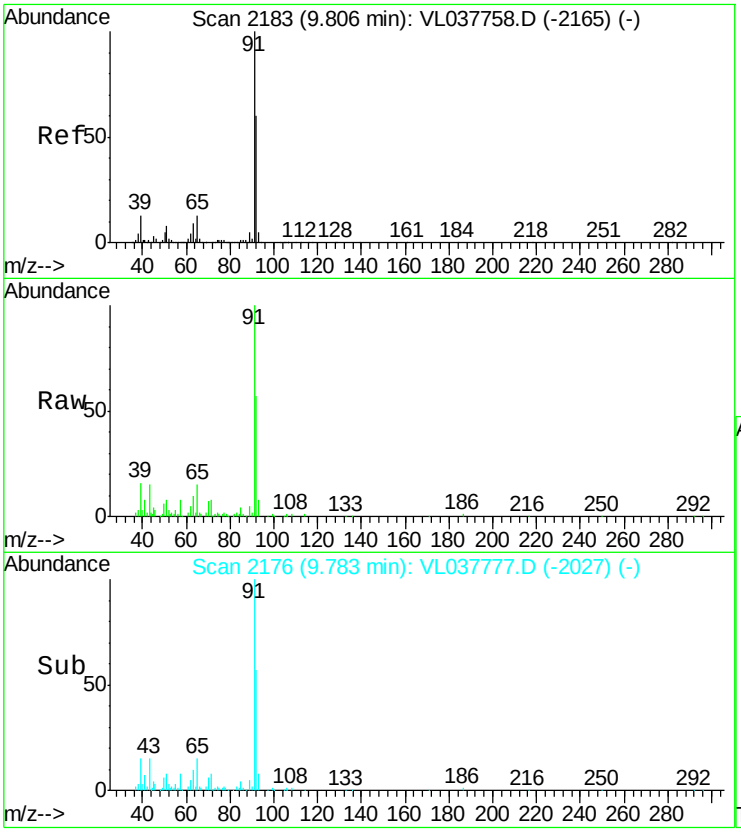


#52
Tetrachloroethene
Concen: 0.173 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.03 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion:164 Resp: 21517

Ion	Ratio	Lower	Upper
164	100		
166	134.6	95.4	143.2
129	106.5	82.2	123.4
131	125.2	79.4	119.2#



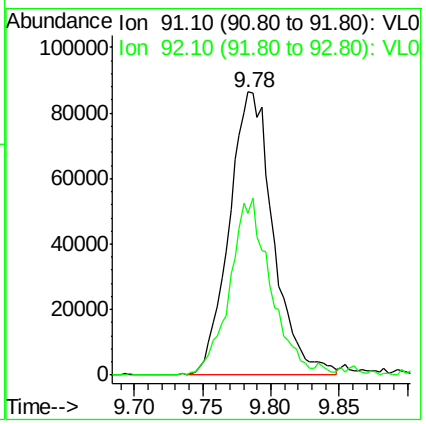


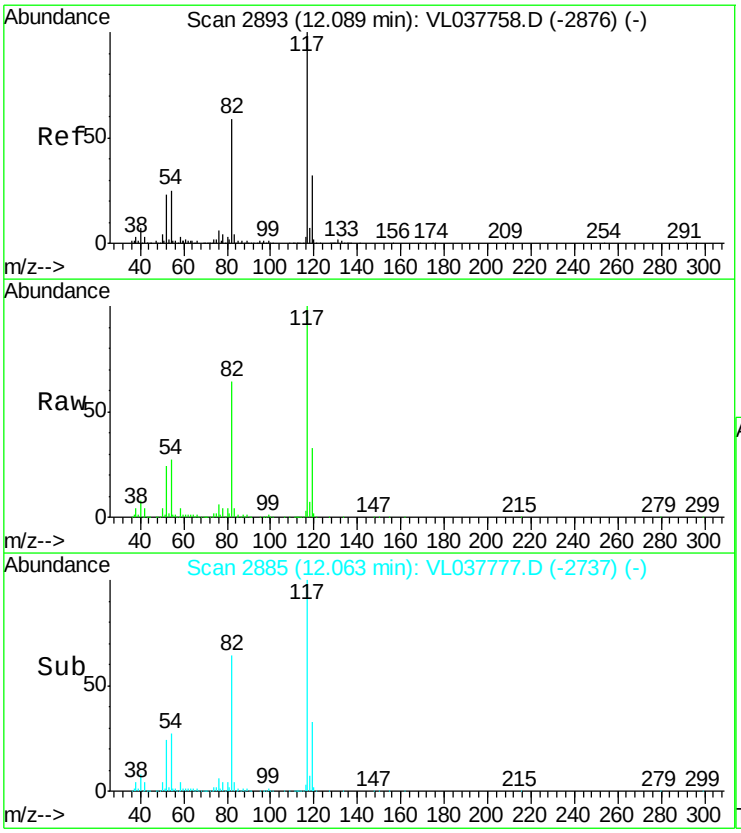
#53
Toluene
Concen: 0.548 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 91 Resp: 194502

Ion	Ratio	Lower	Upper
91	100		
92	58.6	48.4	72.6

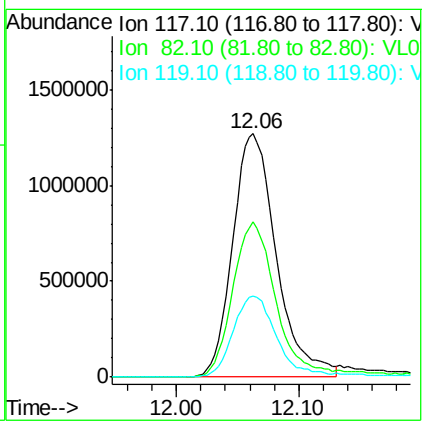


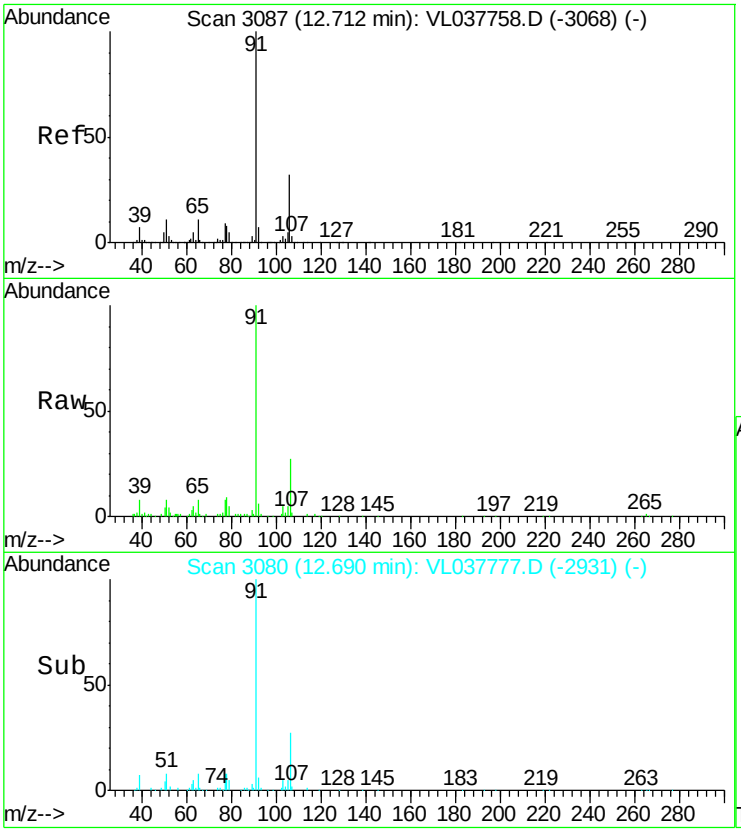


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion:117 Resp: 3145853

Ion	Ratio	Lower	Upper
117	100		
82	65.8	52.2	78.2
119	35.0	26.0	39.0



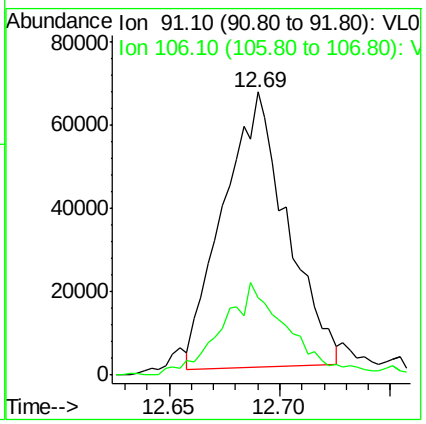


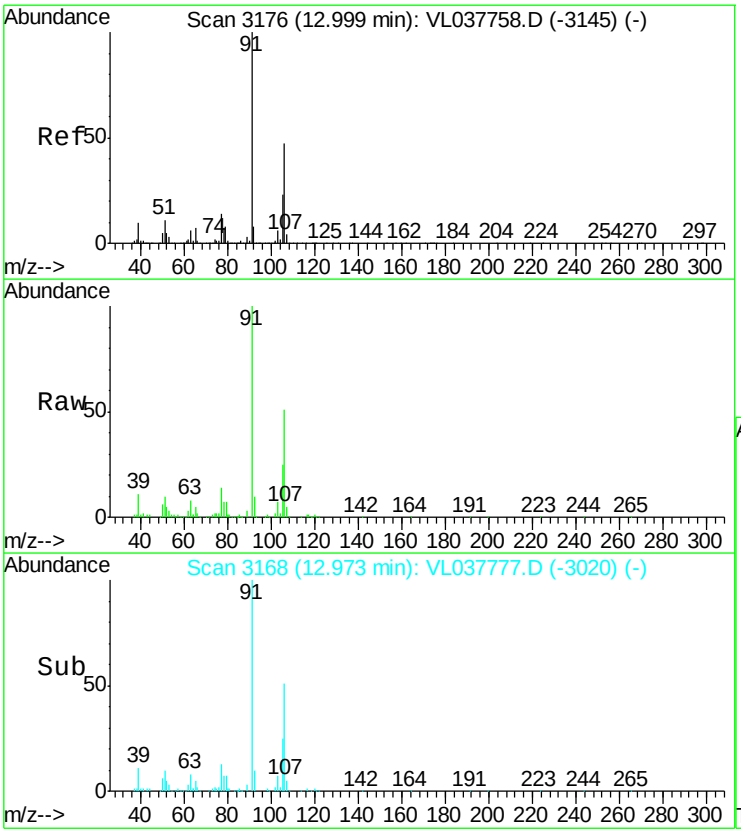
#58
Ethyl Benzene
Concen: 0.314 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.02 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 91 Resp: 132756

Ion	Ratio	Lower	Upper
91	100		
106	25.5	25.3	37.9

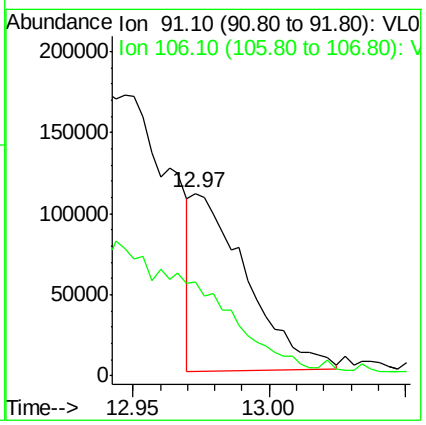


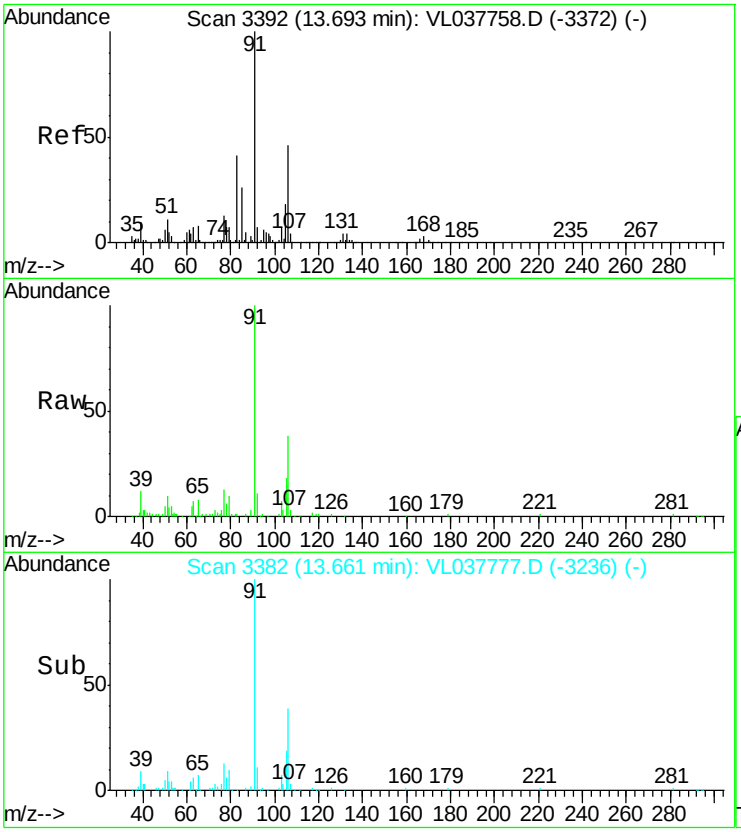


#59
m/p-Xylene
Concen: 0.419 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 91 Resp: 151807

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.7	55.1#



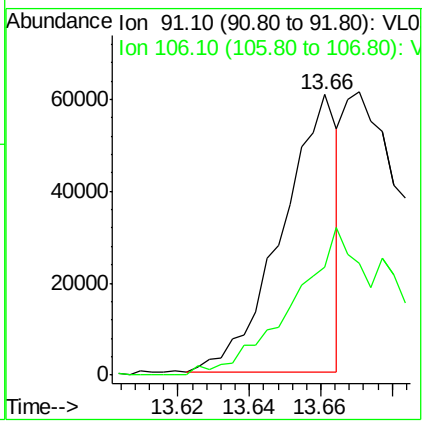


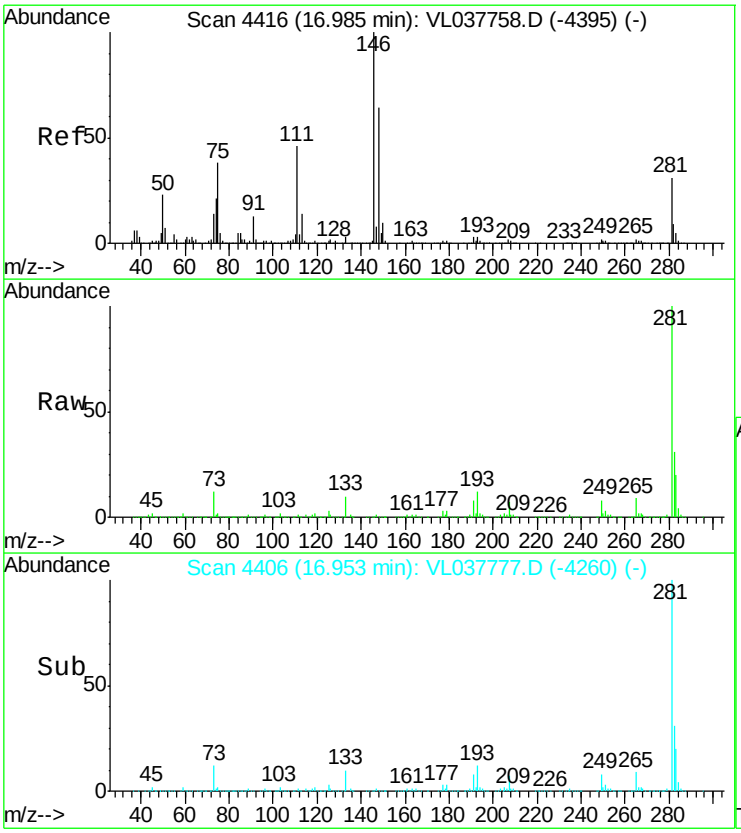
#60
o-Xylene
Concen: 0.188 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.03 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument : MSVOA_L
ClientSampleId : C0P28

Tgt Ion: 91 Resp: 65312

Ion	Ratio	Lower	Upper
91	100		
106	105.1	23.5	70.5#

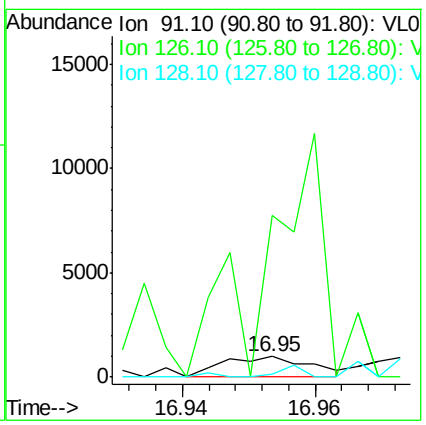


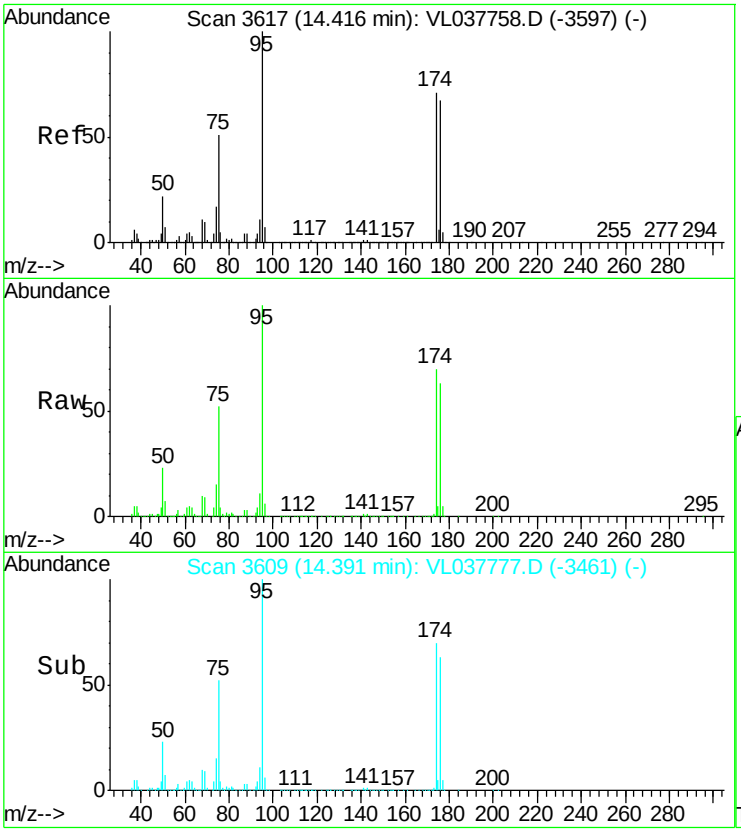


#66
Benzyl Chloride
Concen: 0.043 ppbv
RT: 16.95 min Scan# 4406
Delta R.T. -0.03 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion: 91 Resp: 897

Ion	Ratio	Lower	Upper
91	100		
126	1163.0	0.0	0.0#
128	0.0	5.3	7.9#



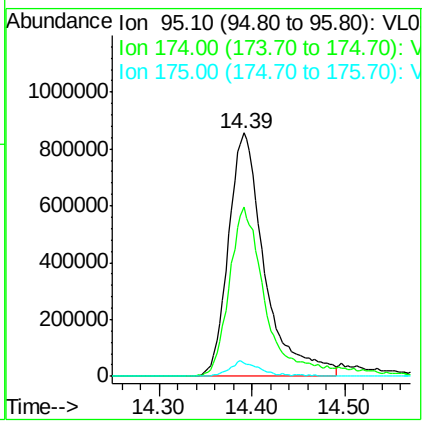


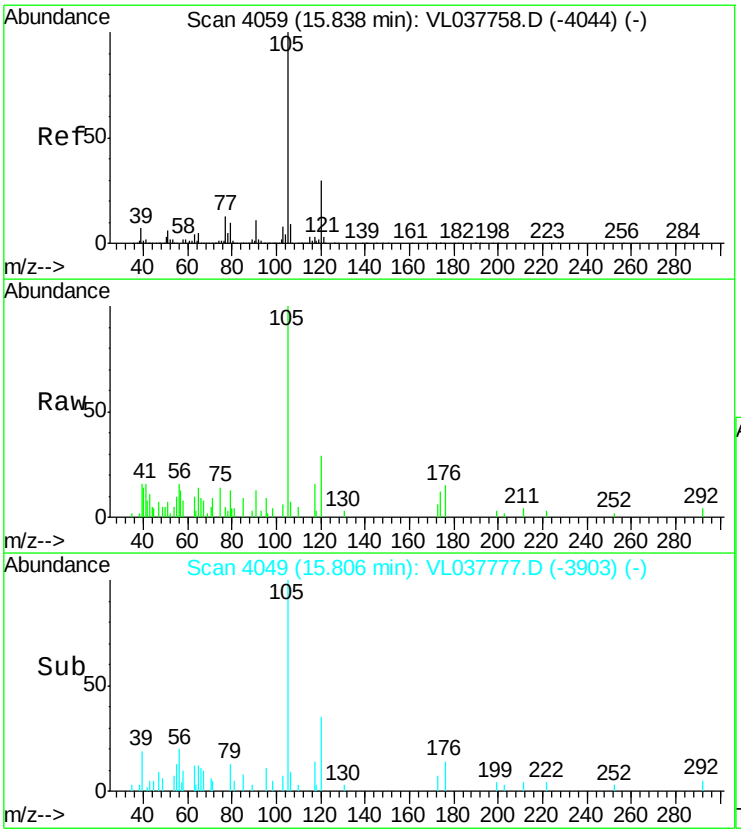
#68
1-Bromo-4-Fluorobenzene
Concen: 10.541 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.03 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument :
MSVOA_L
ClientSampleId :
C0P28

Tgt Ion: 95 Resp: 2318871

Ion	Ratio	Lower	Upper
95	100		
174	73.2	57.8	86.6
175	5.4	4.7	7.1

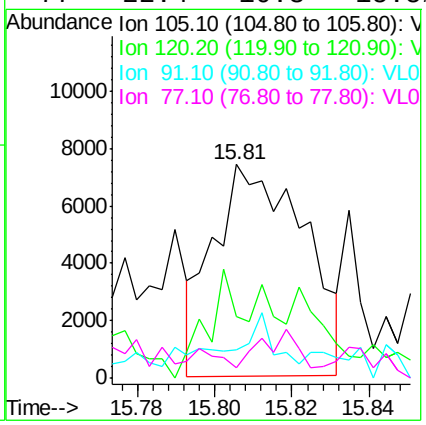


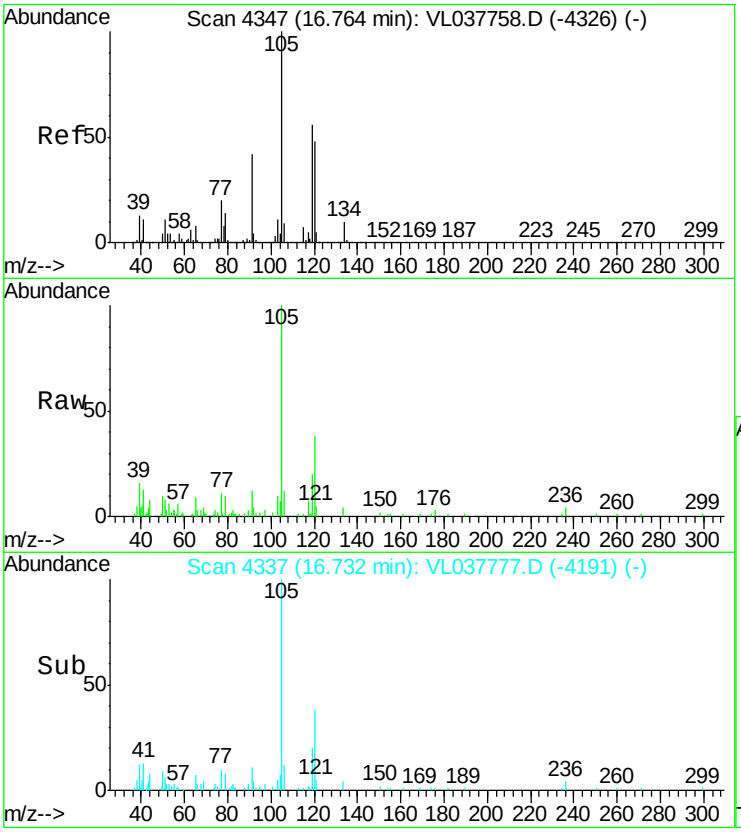


#72
4-Ethyltoluene
Concen: 0.031 ppbv
RT: 15.81 min Scan# 4049
Delta R.T. -0.03 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Tgt Ion:105 Resp: 12042

Ion	Ratio	Lower	Upper
105	100		
120	53.0	24.2	36.2#
91	23.5	10.4	15.6#
77	22.4	10.3	15.5#





#74
1,2,4-Trimethylbenzene
Concen: 0.102 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.03 min
Lab File: VL037777.D
Acq: 5 Oct 2021 17:16

Instrument :
MSVOA_L
ClientSampleId :
C0P28

Tgt Ion:105 Resp: 38488

Ion	Ratio	Lower	Upper
105	100		
120	41.5	38.4	57.6
91	9.9	34.2	51.2#
77	10.2	15.8	23.8#