Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
Data File : VL037810.D
Acq On : 8 Oct 2021 00:21
Operator : SY/AP
Sample : M4079-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P45

Quant Time: Oct 08 10:08:08 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	1293704	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.16	114	3672860	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.07	117	3128542	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2242620	10.25	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	36148	0.175	ppbv		89
3) Chlorodifluoromethane	2.96	51	1186152	4.772	ppbv	#	63
4) Chloromethane	3.14	50	38898	0.427	ppbv		90
7) Chloroethane	3.55	64	823	0.027	ppbv	#	40
9) Propene	3.02	41	51343	0.561	ppbv		88
11) Trichlorofluoromethane	3.94	101	1192676	6.469	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	6003	0.043	ppbv	#	42
13) Ethanol	3.60	45	14774351	1975.211	ppbv		83
15) Acetone	3.84	43	2379155	20.486	ppbv		98
16) 1,3-Butadiene	3.30	39	5691	0.067	ppbv	#	11
17) tert-Butyl alcohol	4.28	59	2972	0.025	ppbv	#	71
19) Isopropyl Alcohol	3.97	45	1256755	17.394	ppbv	#	97
20) Methylene Chloride	4.33	84	957206	16.312	ppbv		92
23) Vinyl Acetate	5.05	43	123337	0.709	ppbv	#	40
25) Ethyl Acetate	5.67	43	474307	1.455	ppbv	#	83
26) Hexane	5.67	57	544823	3.395	ppbv	#	50
27) Carbon Disulfide	4.54	76	3285	0.023	ppbv	#	34
29) Chloroform	5.74	83	66866	0.292	ppbv	#	83
34) 2-Butanone	5.23	43	114155	0.770	ppbv		98
35) Carbon Tetrachloride	7.01	117	7844	0.038	ppbv	#	91
39) 1,2-Dichloropropane	7.16	63	474962	4.025	ppbv	#	29
41) Tetrahydrofuran	6.03	42	3428	0.047	ppbv	#	36
42) Bromodichloromethane	7.77	83	5528	0.025	ppbv	#	86
44) 2,2,4-Trimethylpentane	7.86	57	12009	0.023	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.73	43	13656	0.071	ppbv	#	38
51) 2-Hexanone	10.11	43	3559	0.041	ppbv	#	29
52) Tetrachloroethene	11.20	164	26549	0.218	ppbv		91
53) Toluene	9.79	91	199934	0.575	ppbv		99
59) m/p-Xylene	12.98	91	14457	0.040	ppbv	#	30
60) o-Xylene	13.67	91	10244	0.030	ppbv	#	30
61) Styrene	13.51	104	4563	0.027	ppbv	#	1
66) Benzyl Chloride	16.95	91	1061	0.051	ppbv	#	1
74) 1,2,4-Trimethylbenzene	16.74	105	30276	0.081	ppbv	#	81

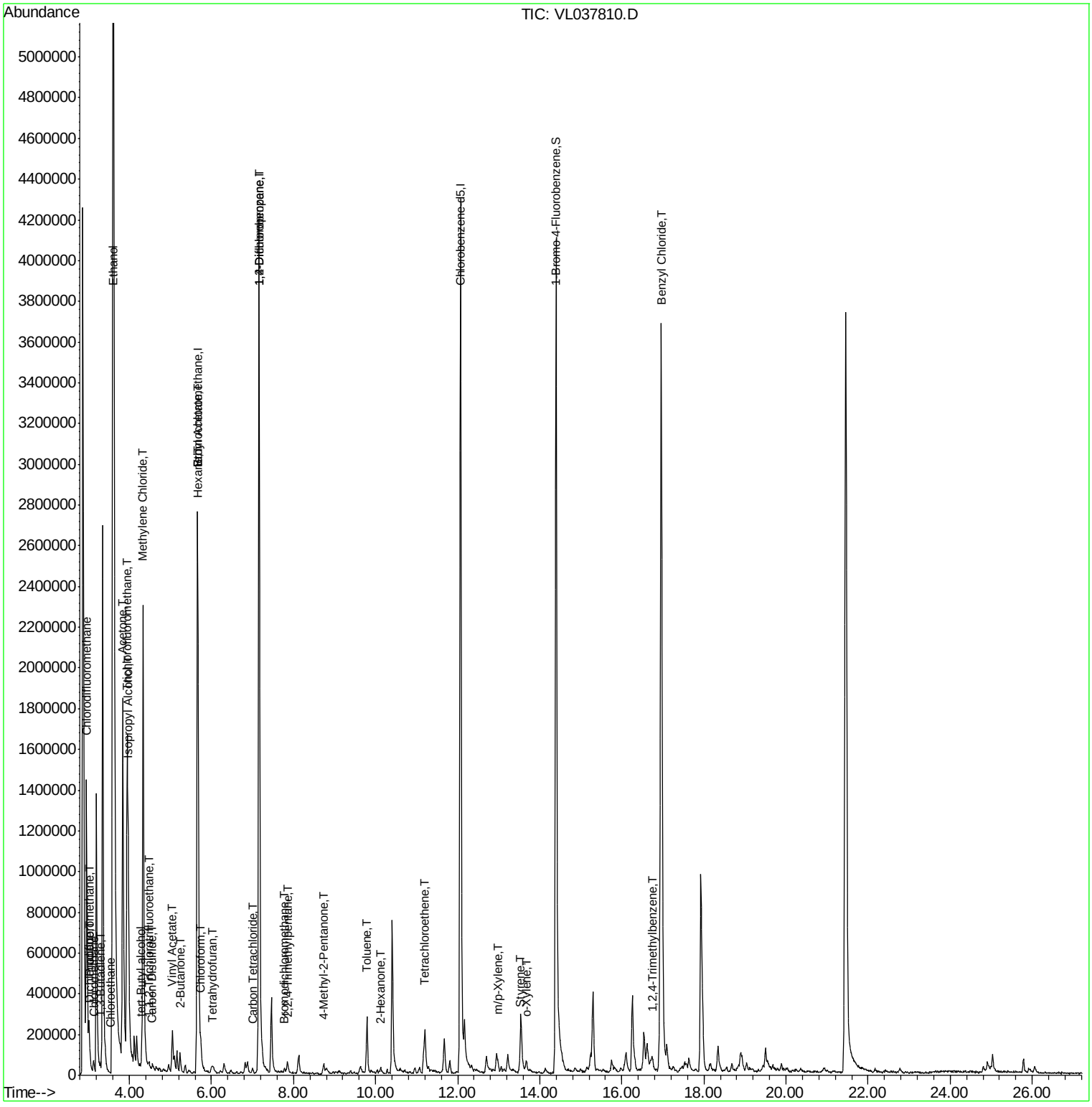
(#) = qualifier out of range (m) = manual integration (+) = signals summed

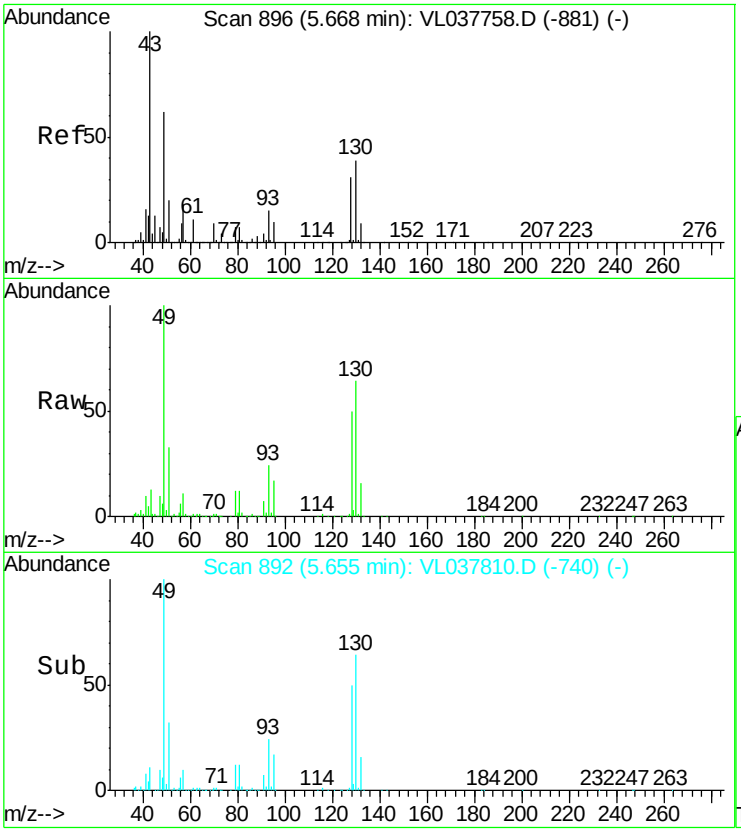
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
Data File : VL037810.D
Acq On : 8 Oct 2021 00:21
Operator : SY/AP
Sample : M4079-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P45

Quant Time: Oct 08 10:08:08 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



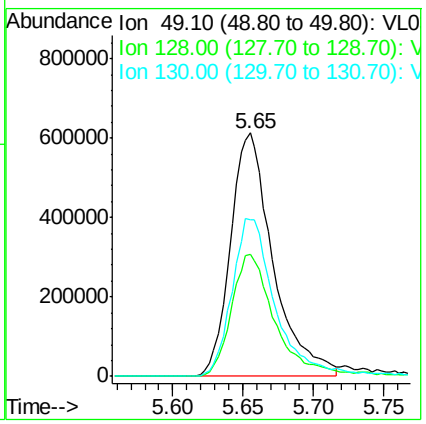


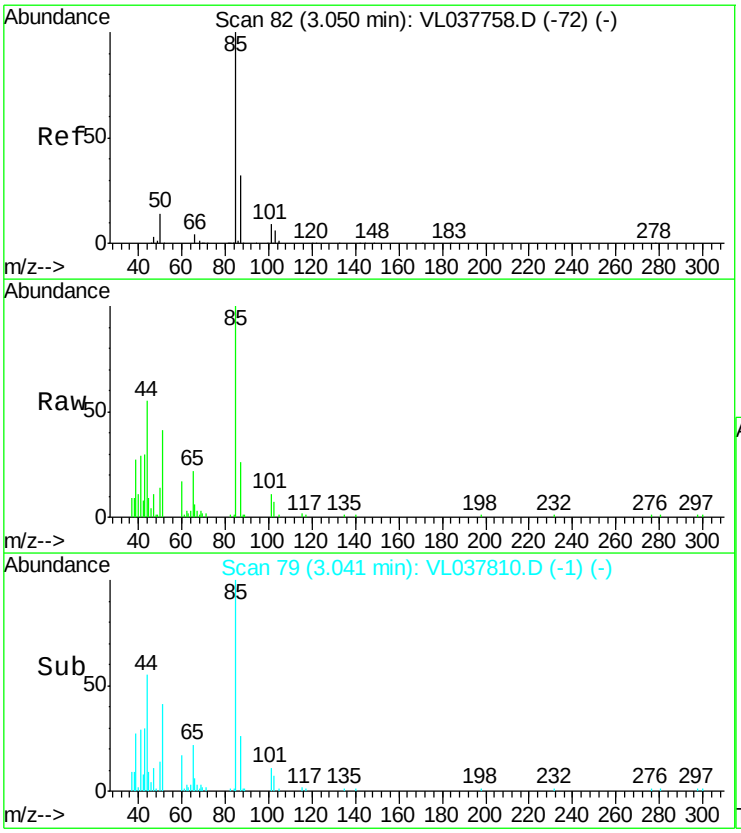
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument : MSVOA_L
ClientSampleId : C0P45

Tgt Ion: 49 Resp: 1293704

Ion	Ratio	Lower	Upper
49	100		
128	52.7	27.1	81.3
130	67.7	33.2	99.6

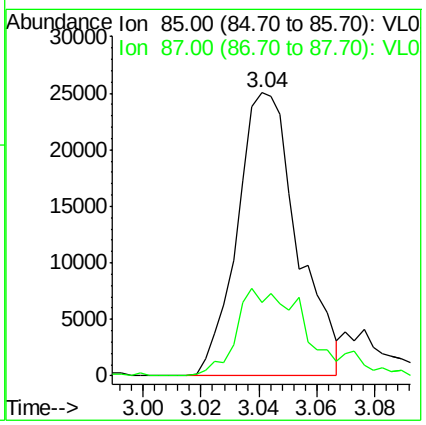


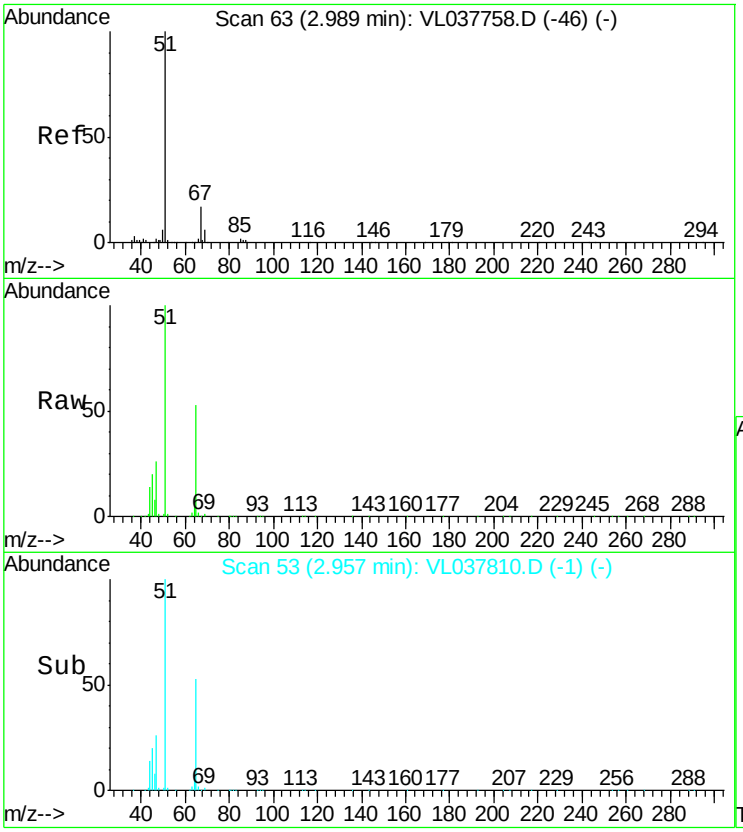


#2
Dichlorodifluoromethane
Concen: 0.175 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 85 Resp: 36148

Ion	Ratio	Lower	Upper
85	100		
87	25.9	25.7	38.5



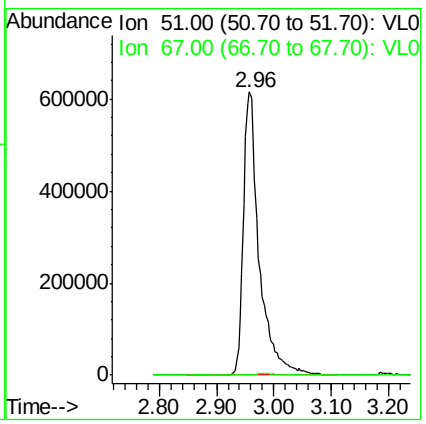


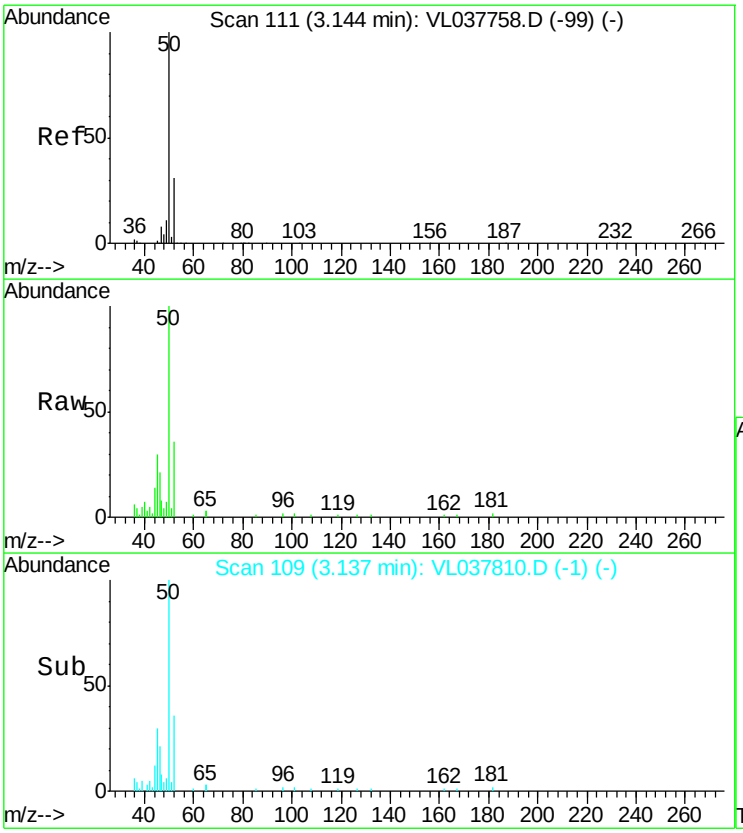
#3
Chlorodifluoromethane
Concen: 4.772 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.03 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument : MSVOA_L
ClientSampleId : C0P45

Tgt Ion: 51 Resp: 1186152

Ion	Ratio	Lower	Upper
51	100		
67	0.7	13.5	20.3#

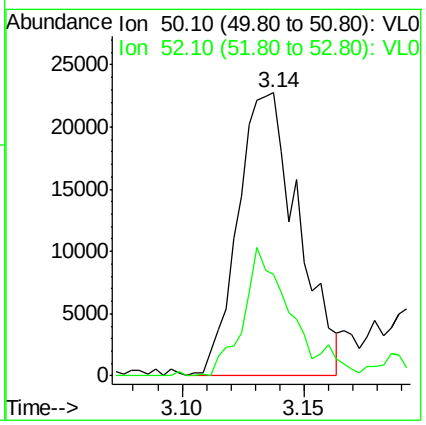


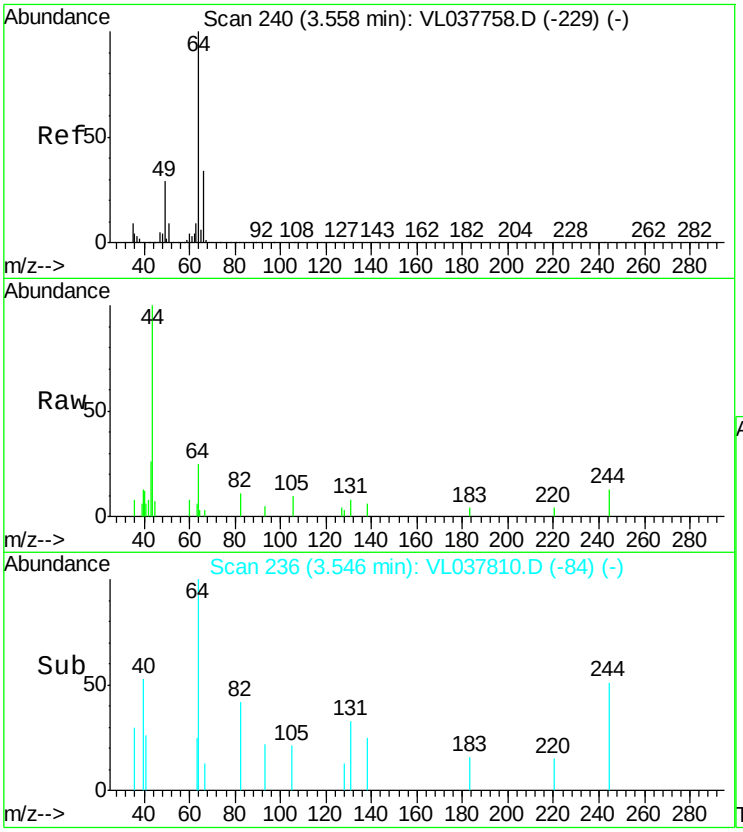


#4
Chloromethane
Concen: 0.427 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 50 Resp: 38898

Ion	Ratio	Lower	Upper
50	100		
52	36.1	24.4	36.6



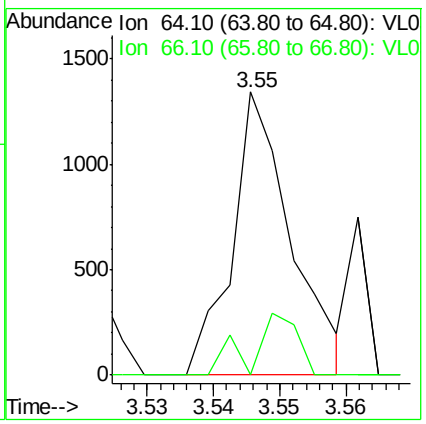


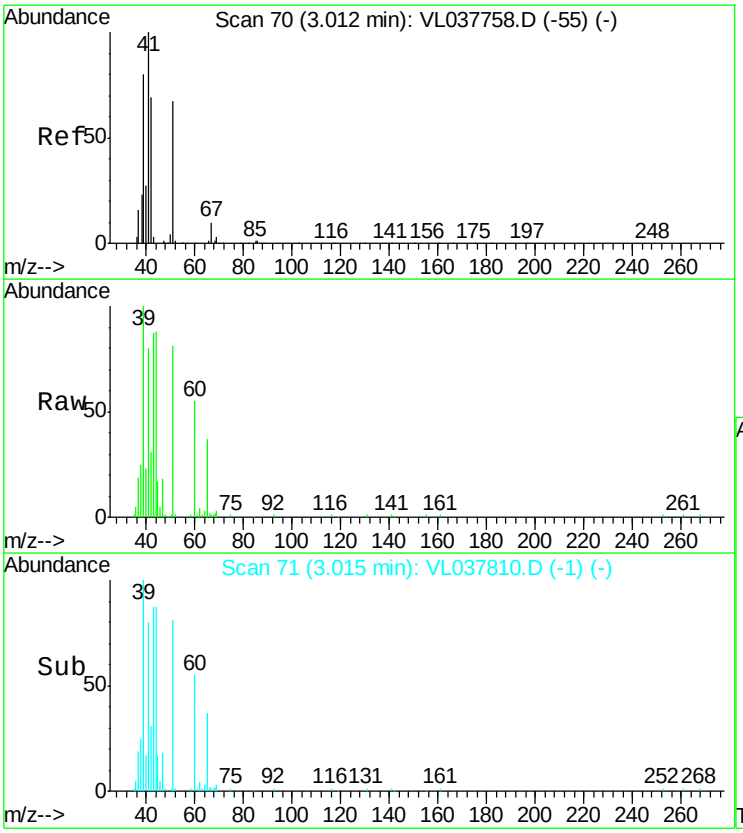
#7
Chloroethane
Concen: 0.027 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument : MSVOA_L
ClientSampleId : C0P45

Tgt Ion: 64 Resp: 823

Ion	Ratio	Lower	Upper
64	100		
66	0.0	27.5	41.3#

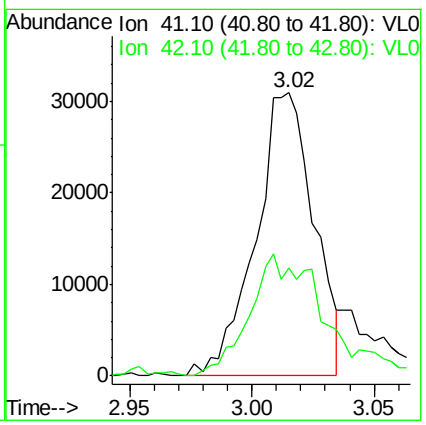


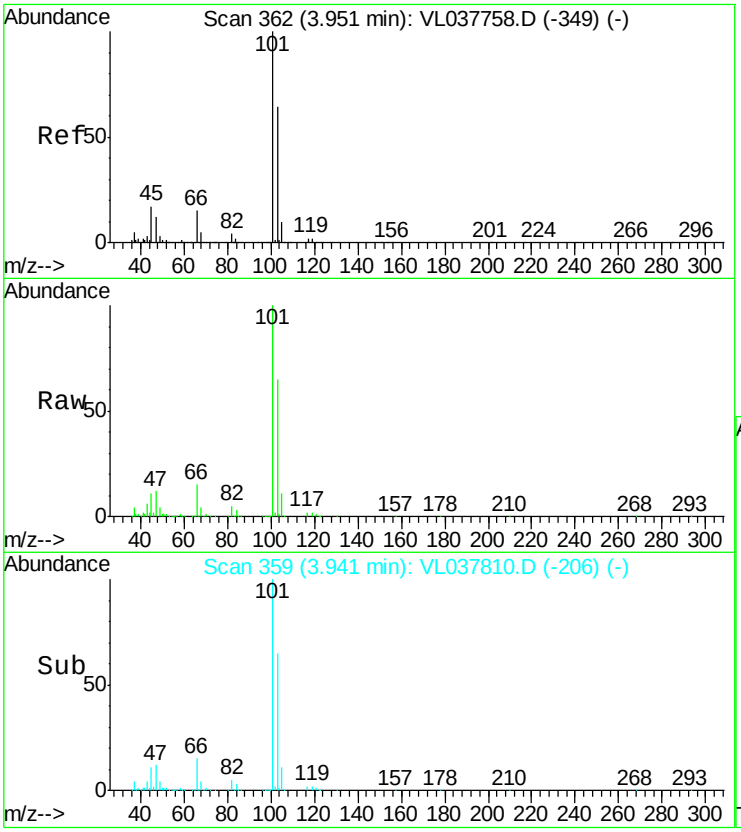


#9
Propene
Concen: 0.561 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 41 Resp: 51343

Ion	Ratio	Lower	Upper
41	100		
42	58.0	54.2	81.2



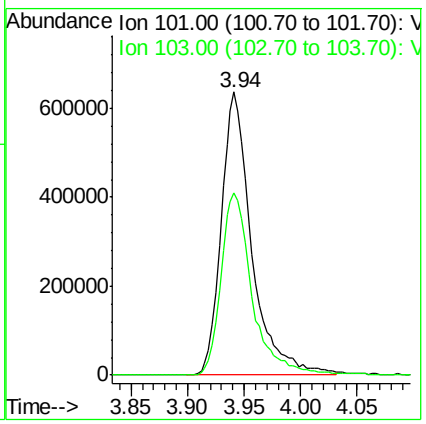


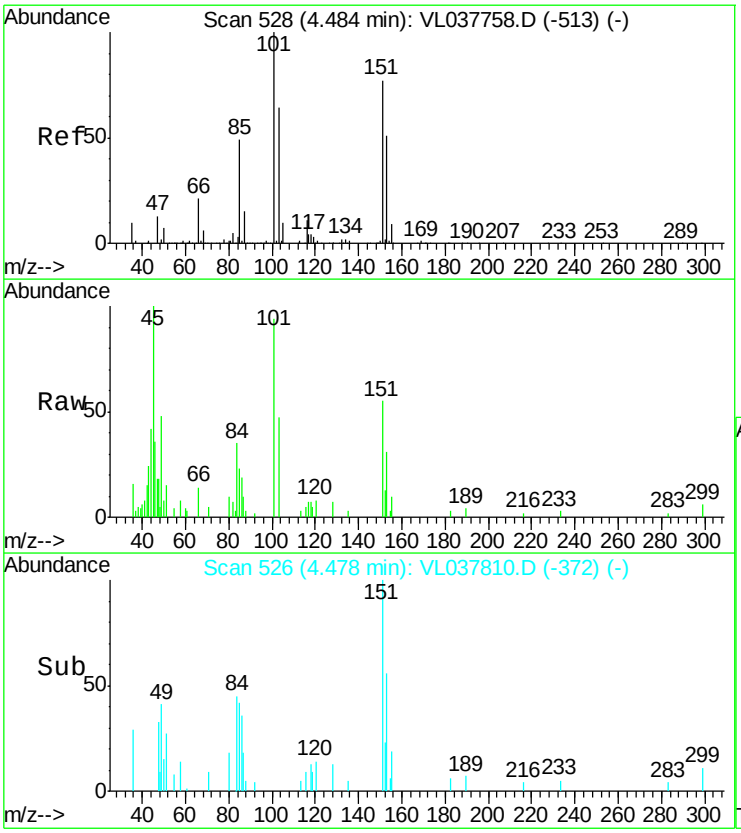
#11
Trichlorofluoromethane
Concen: 6.469 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument :
MSVOA_L
ClientSampleId :
C0P45

Tgt Ion:101 Resp: 1192676

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.5	77.3

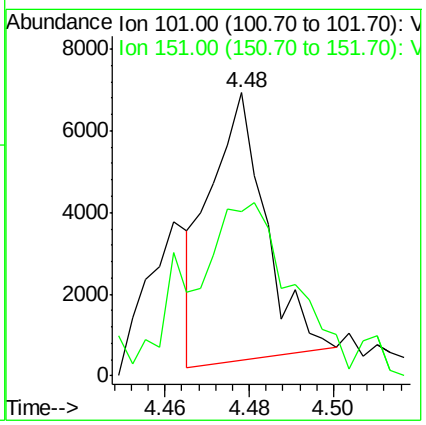


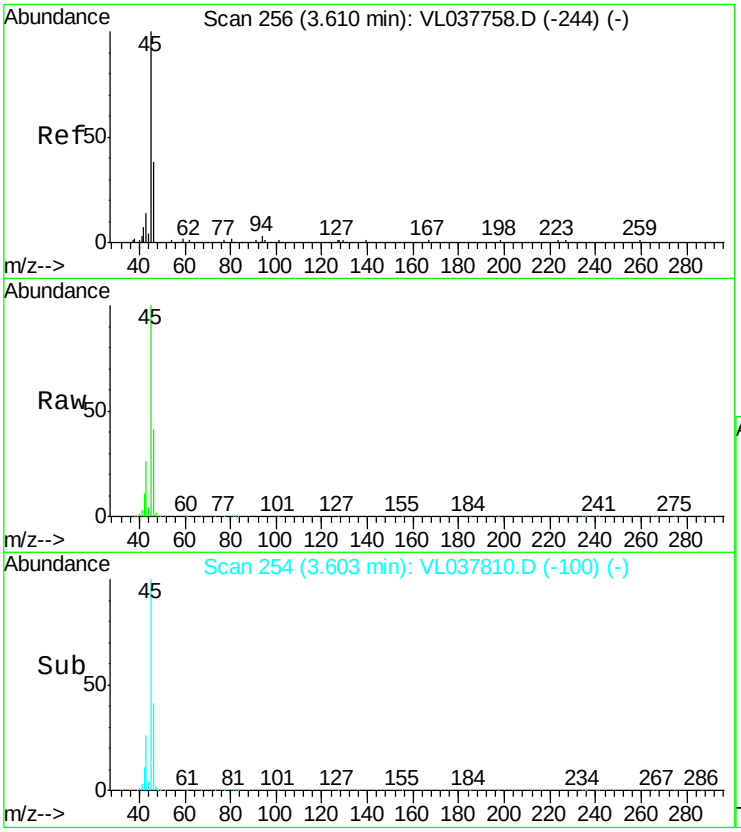


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.043 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion:101 Resp: 6003

Ion	Ratio	Lower	Upper
101	100		
151	129.4	62.9	94.3#



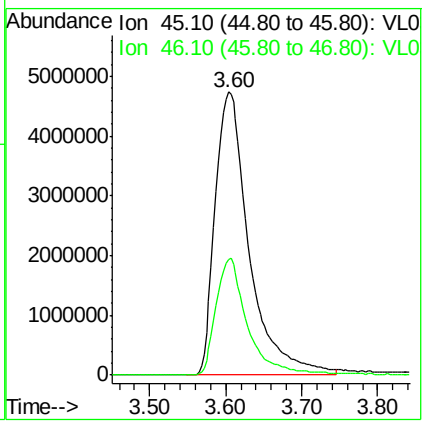


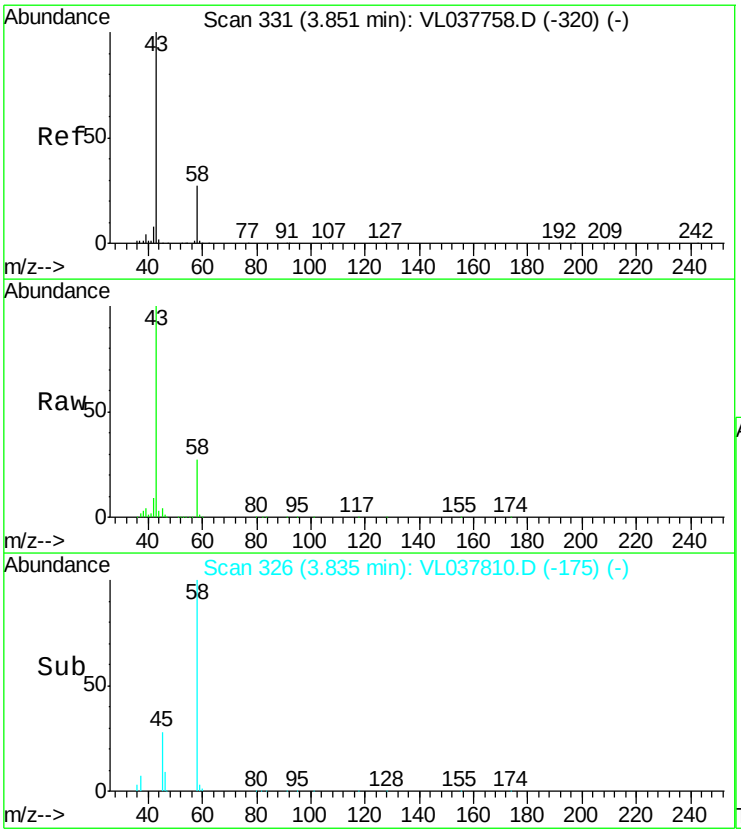
#13
Ethanol
Concen: 1975.211 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument :
MSVOA_L
ClientSampleId :
C0P45

Tgt Ion: 45 Resp:14774351

Ion	Ratio	Lower	Upper
45	100		
46	38.7	20.2	81.0

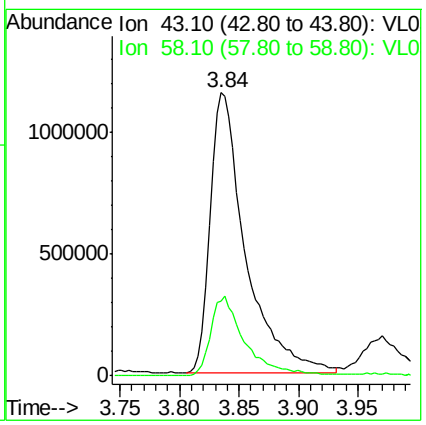


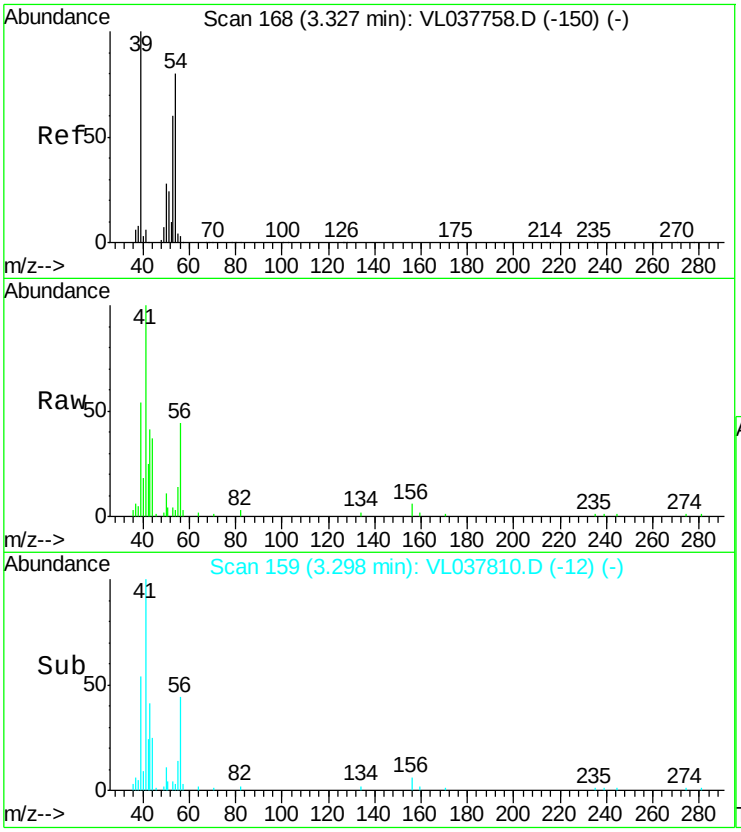


#15
Acetone
Concen: 20.486 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 43 Resp: 2379155

Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.0	34.6



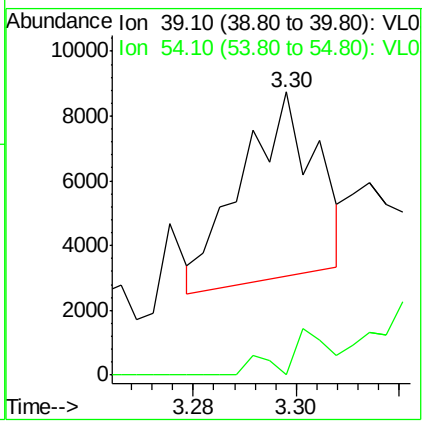


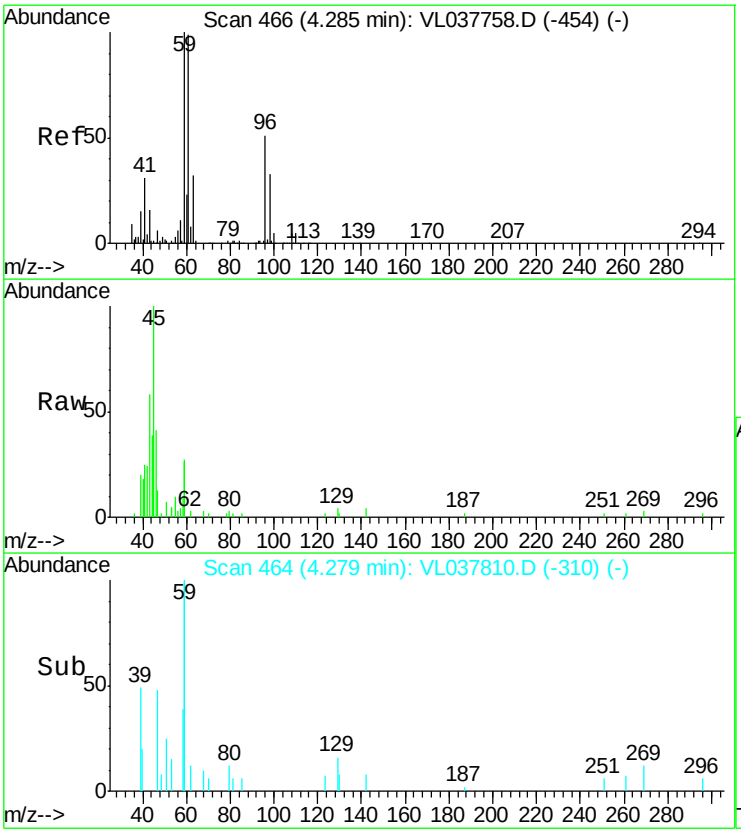
#16
1,3-Butadiene
Concen: 0.067 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.03 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument : MSVOA_L
ClientSampleId : C0P45

Tgt Ion: 39 Resp: 5691

Ion	Ratio	Lower	Upper
39	100		
54	0.0	61.7	92.5#

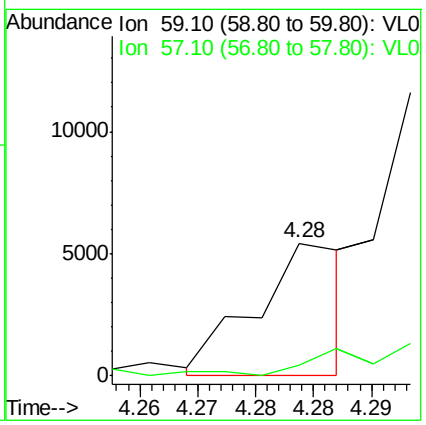


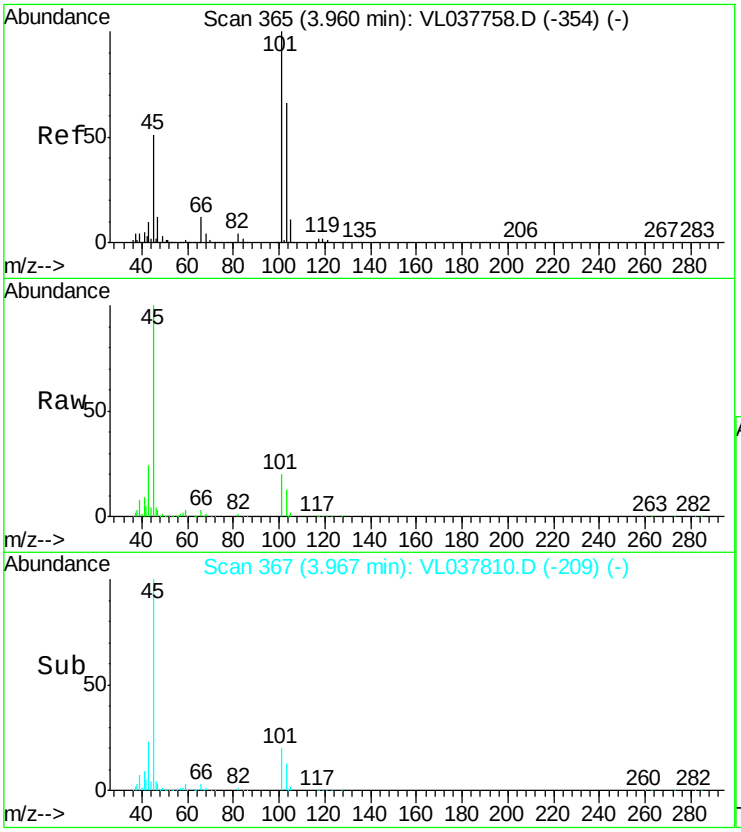


#17
tert-Butyl alcohol
Concen: 0.025 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 59 Resp: 2972

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#



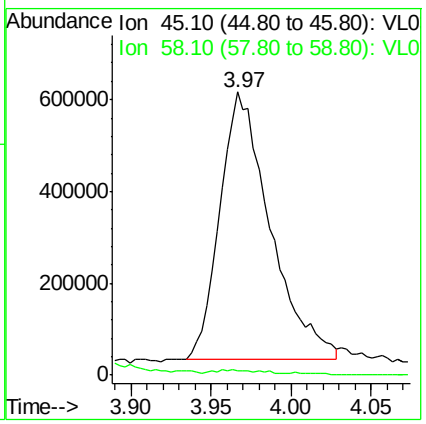


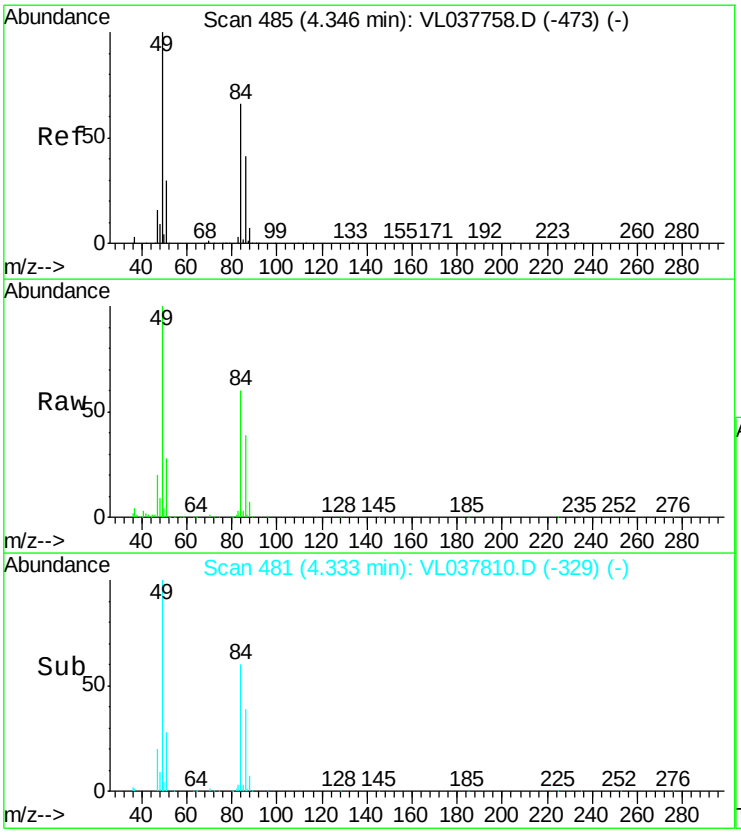
#19
Isopropyl Alcohol
Concen: 17.394 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument :
MSVOA_L
ClientSampleId :
C0P45

Tgt Ion: 45 Resp: 1256755

Ion	Ratio	Lower	Upper
45	100		
58	2.8	1.1	1.7#

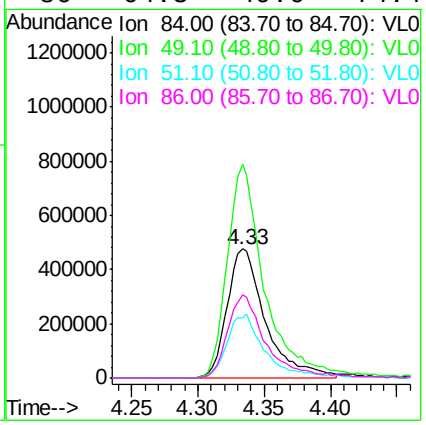


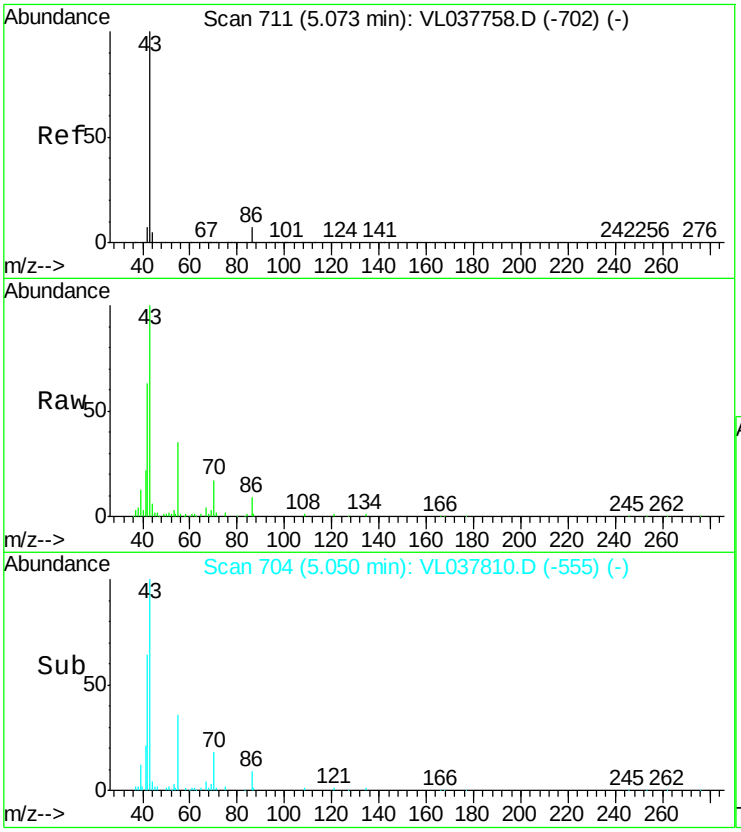


#20
Methylene Chloride
Concen: 16.312 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 84 Resp: 957206

Ion	Ratio	Lower	Upper
84	100		
49	165.6	120.7	181.1
51	46.1	36.2	54.4
86	64.3	49.6	74.4



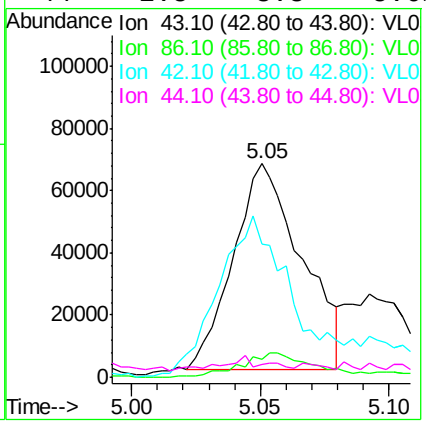


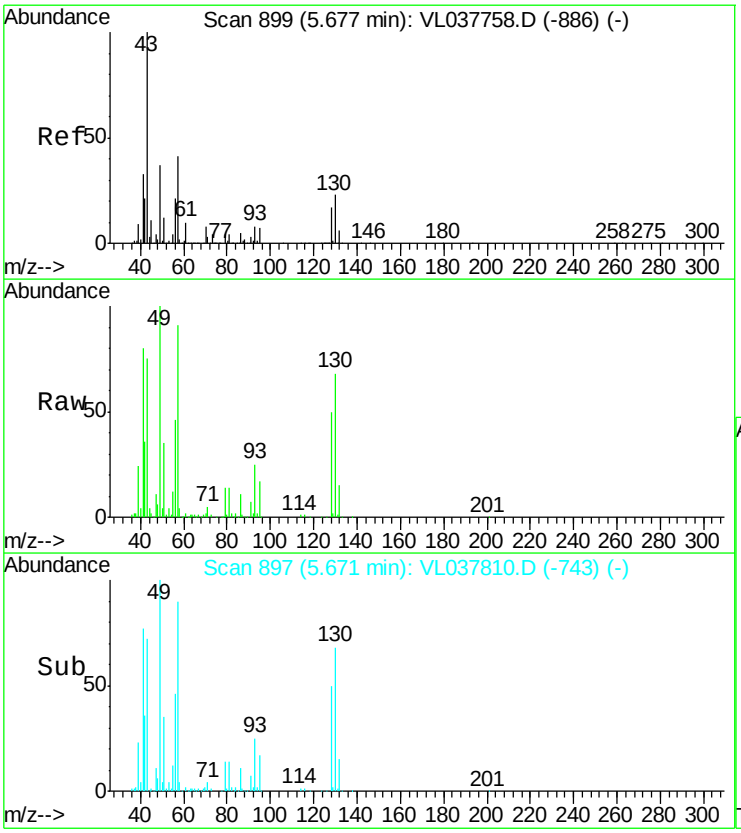
#23
Vinyl Acetate
Concen: 0.709 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument : MSVOA_L
ClientSampleId : C0P45

Tgt Ion: 43 Resp: 123337

Ion	Ratio	Lower	Upper
43	100		
86	8.6	5.0	7.4#
42	53.5	7.4	11.0#
44	2.5	3.8	5.6#

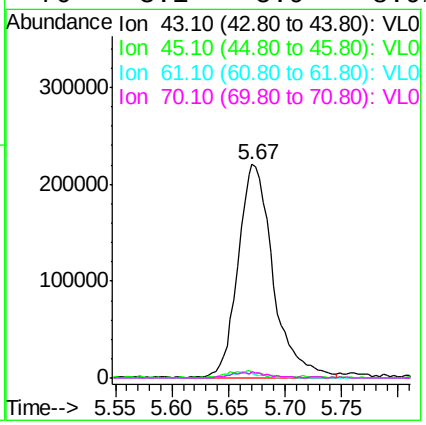


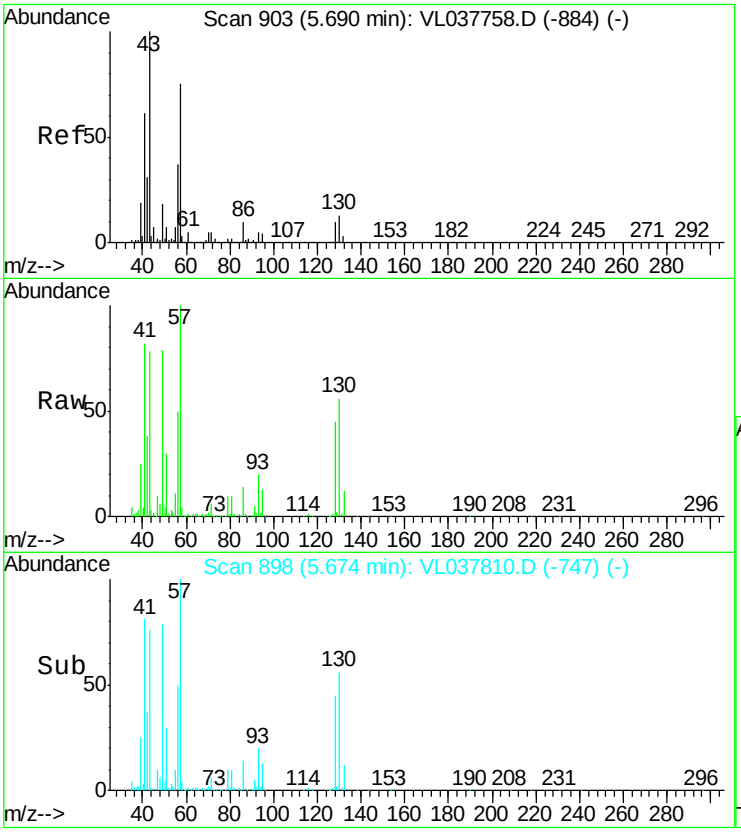


#25
Ethyl Acetate
Concen: 1.455 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 43 Resp: 474307

Ion	Ratio	Lower	Upper
43	100		
45	3.2	8.1	12.1#
61	2.7	7.5	11.3#
70	3.1	5.9	8.9#



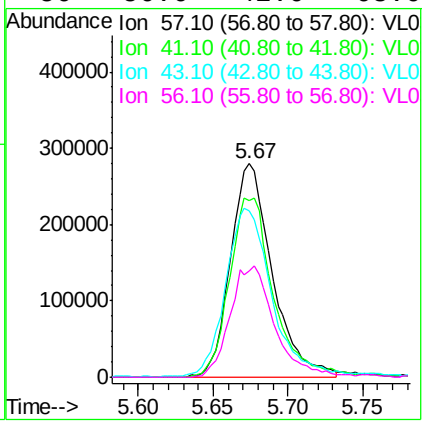


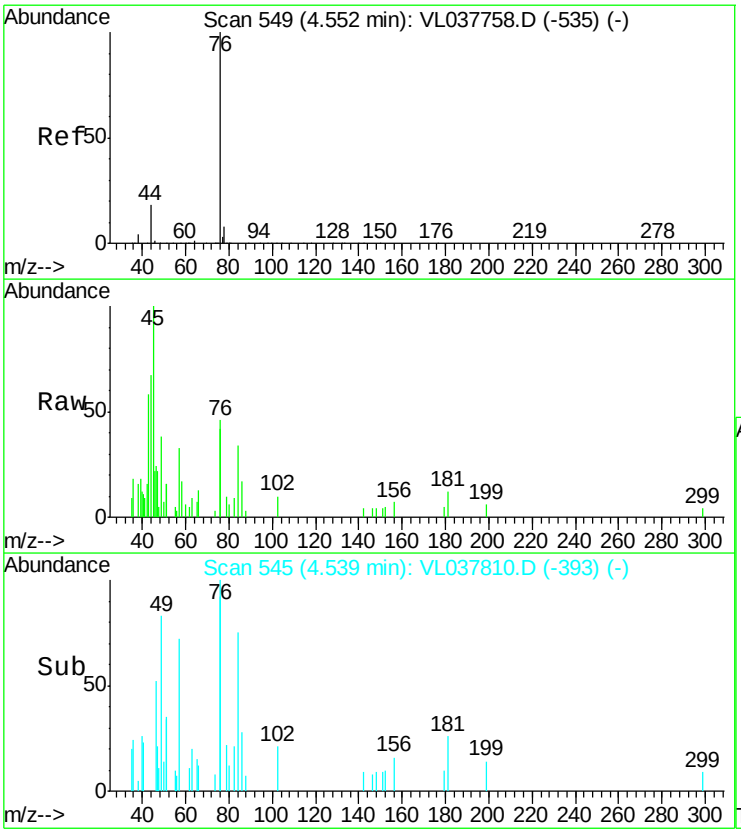
#26
Hexane
Concen: 3.395 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument : MSVOA_L
ClientSampleId : C0P45

Tgt Ion: 57 Resp: 544823

Ion	Ratio	Lower	Upper
57	100		
41	89.6	69.6	104.4
43	88.4	171.4	257.0#
56	56.6	42.0	63.0

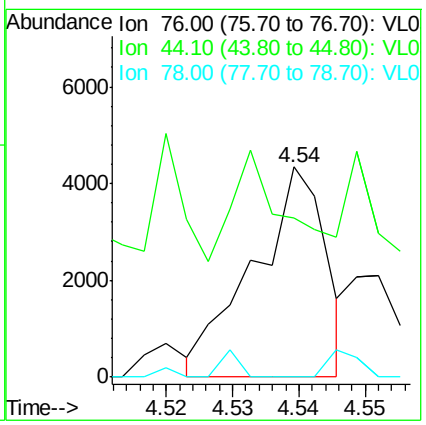


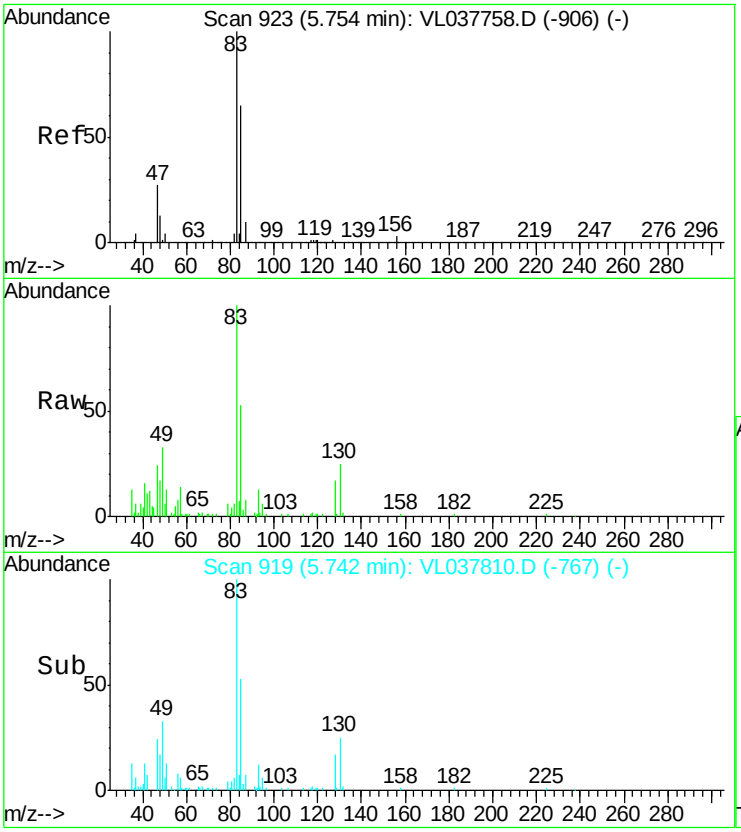


#27
Carbon Disulfide
Concen: 0.023 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 76 Resp: 3285

Ion	Ratio	Lower	Upper
76	100		
44	56.2	14.3	21.5#
78	0.0	7.8	11.6#



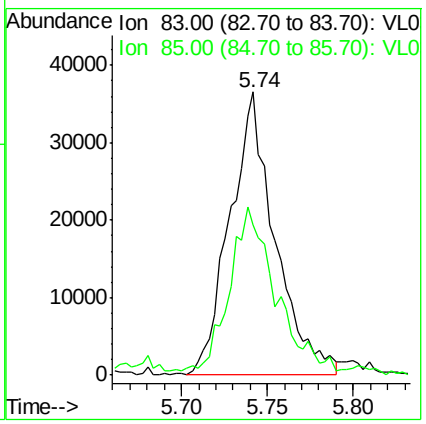


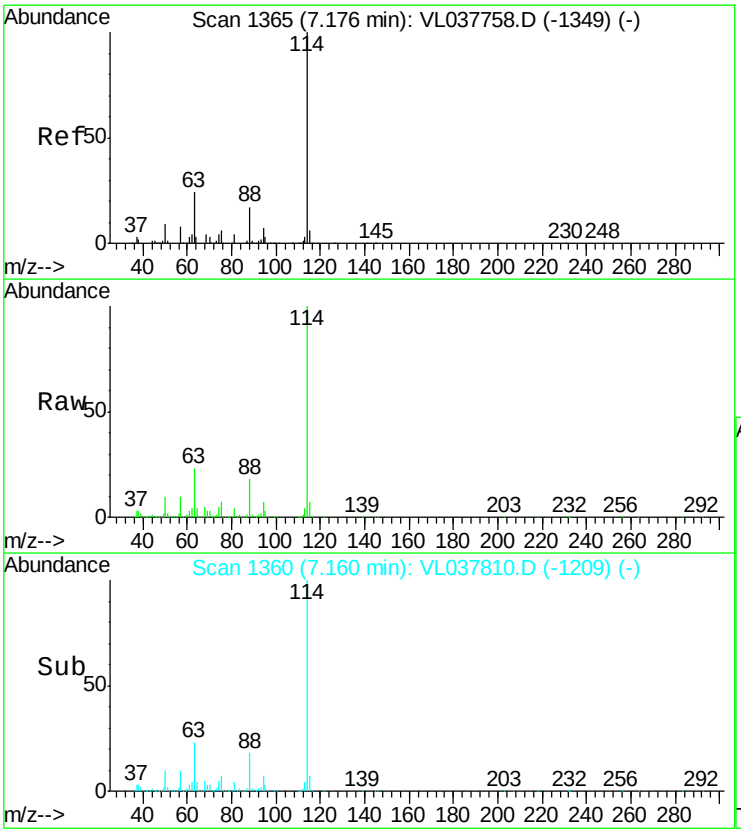
#29
Chloroform
Concen: 0.292 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument :
MSVOA_L
ClientSampleId :
C0P45

Tgt Ion: 83 Resp: 66866

Ion	Ratio	Lower	Upper
83	100		
85	51.6	51.8	77.8#

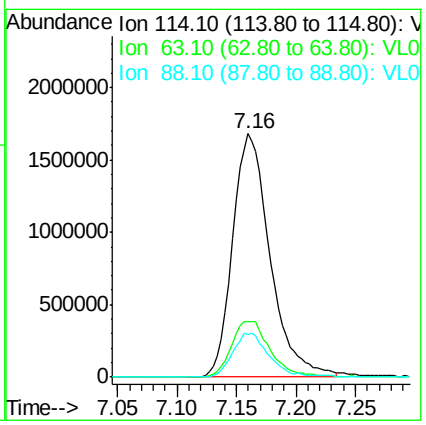


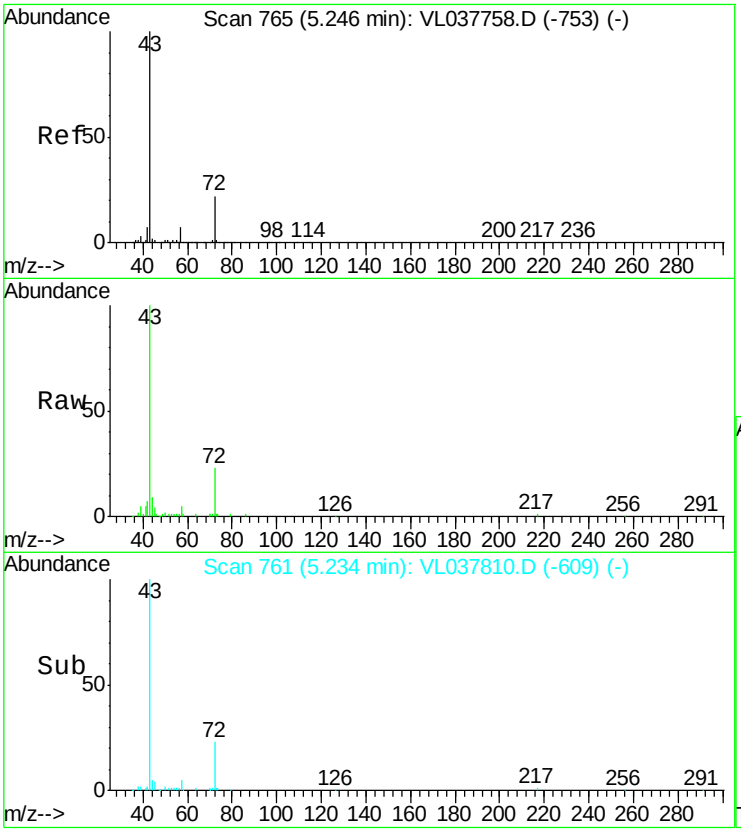


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion:114 Resp: 3672860

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.2
88	17.9	14.4	21.6



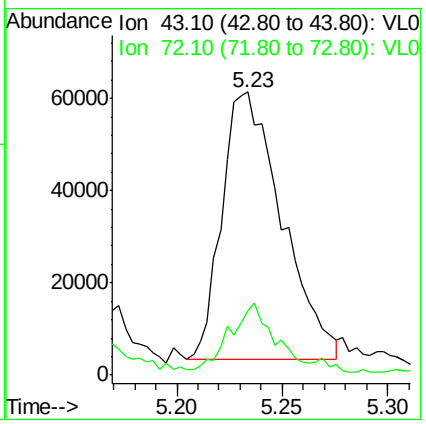


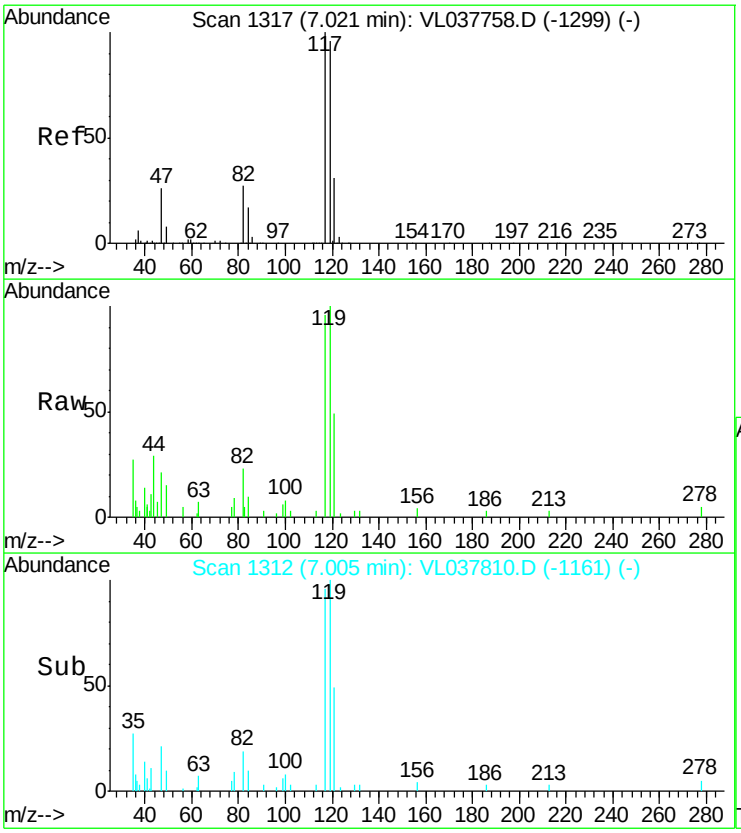
#34
2-Butanone
Concen: 0.770 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument :
MSVOA_L
ClientSampleId :
C0P45

Tgt Ion: 43 Resp: 114155

Ion	Ratio	Lower	Upper
43	100		
72	23.9	18.2	27.2

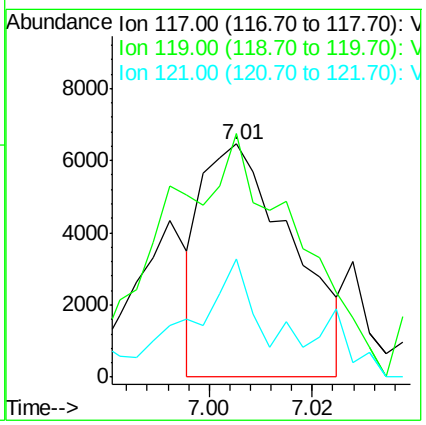


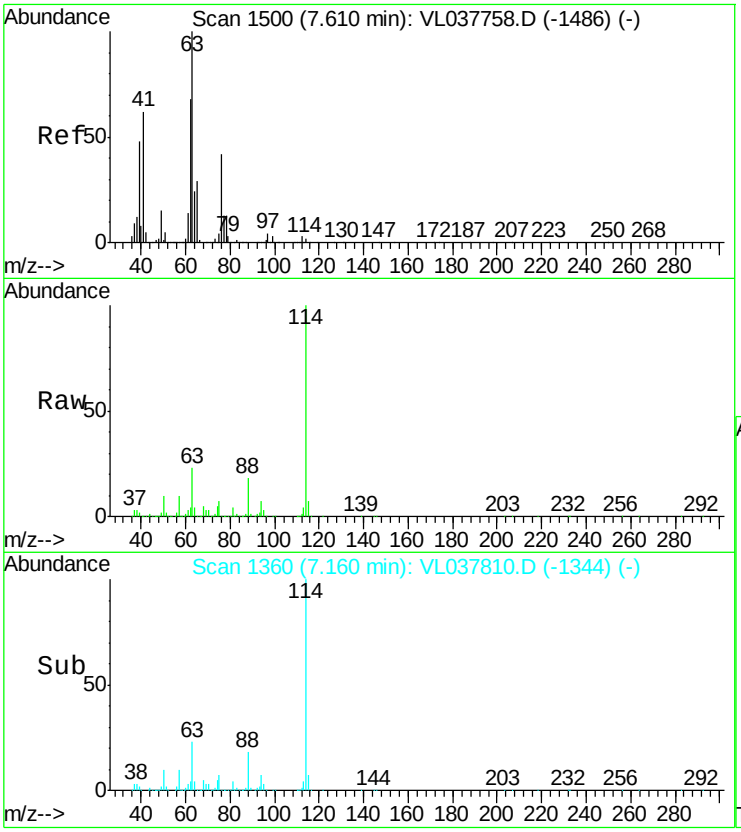


#35
Carbon Tetrachloride
Concen: 0.038 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion:117 Resp: 7844

Ion	Ratio	Lower	Upper
117	100		
119	102.9	76.5	114.7
121	39.4	24.9	37.3#



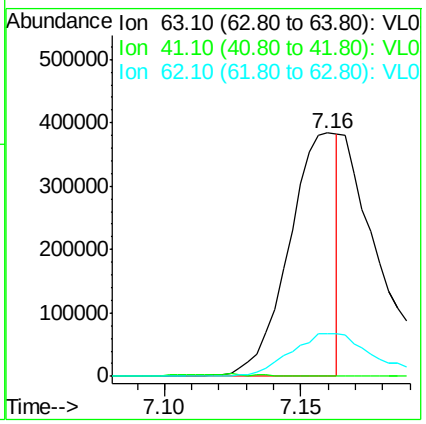


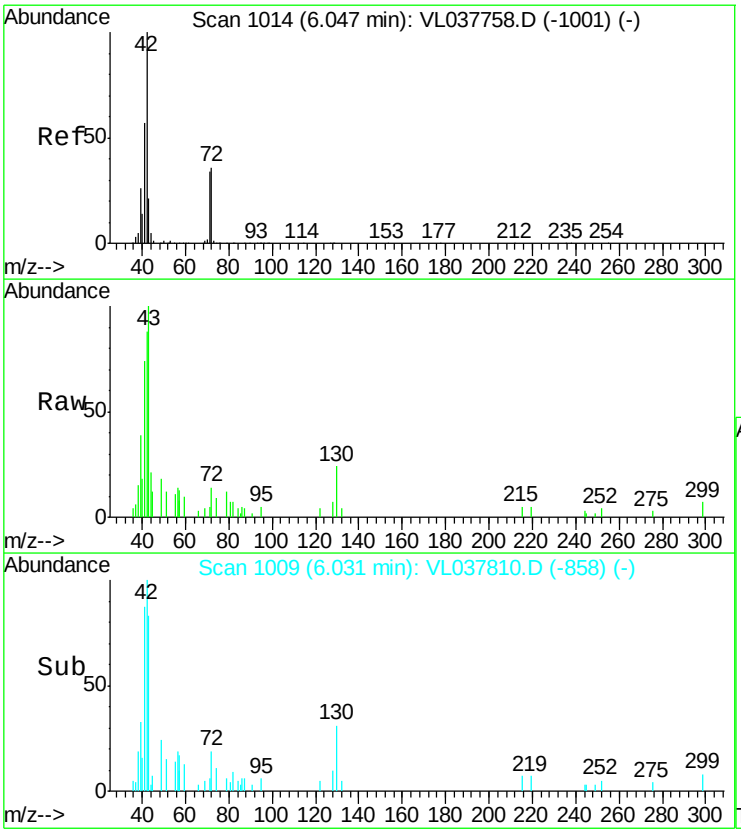
#39
1,2-Dichloropropane
Concen: 4.025 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.45 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument : MSVOA_L
ClientSampleId : C0P45

Tgt Ion: 63 Resp: 474962

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	17.4	54.6	82.0#

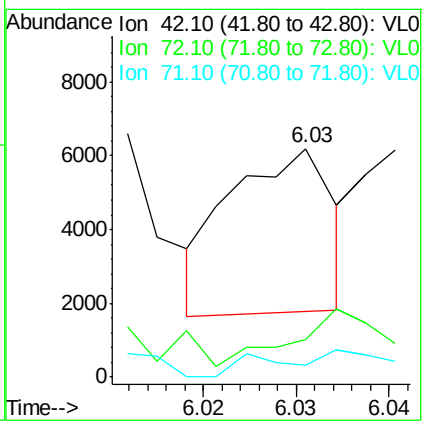


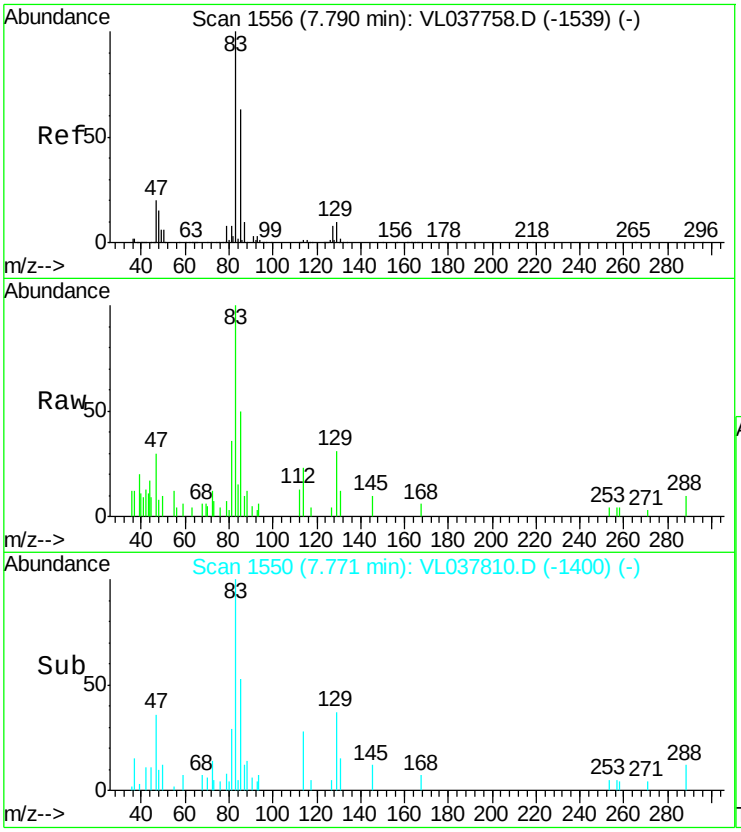


#41
Tetrahydrofuran
Concen: 0.047 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 42 Resp: 3428

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



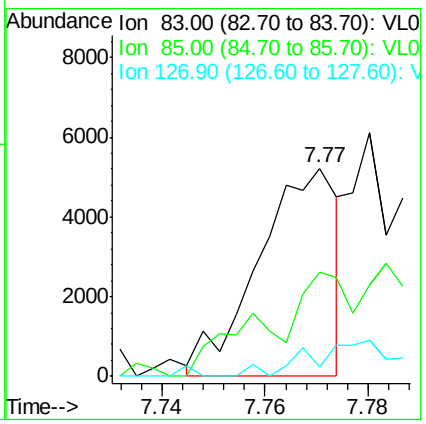


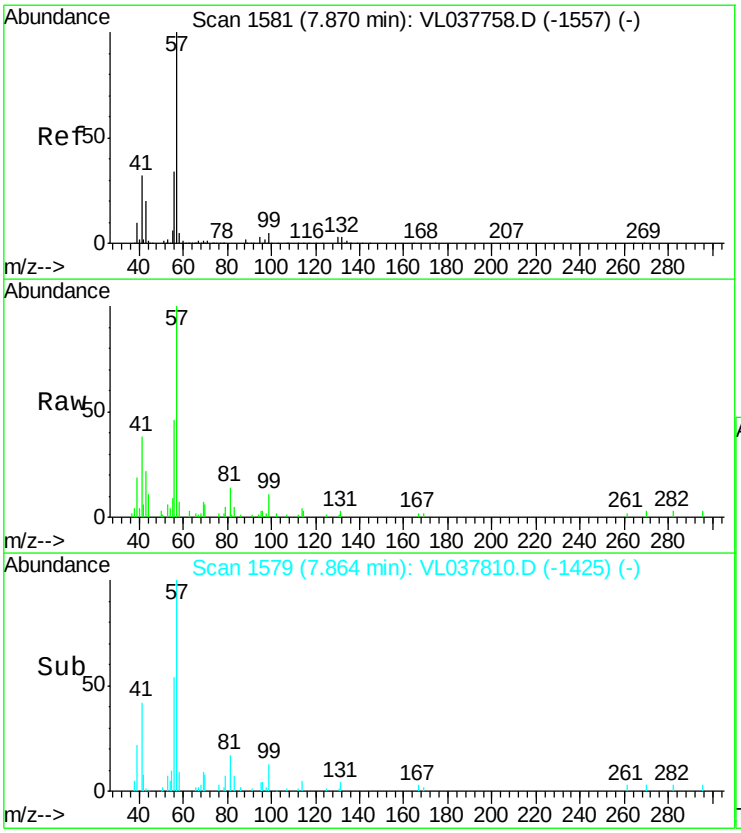
#42
Bromodichloromethane
Concen: 0.025 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument : MSVOA_L
ClientSampleId : C0P45

Tgt Ion: 83 Resp: 5528

Ion	Ratio	Lower	Upper
83	100		
85	52.8	50.6	75.8
127	0.0	6.2	9.4#

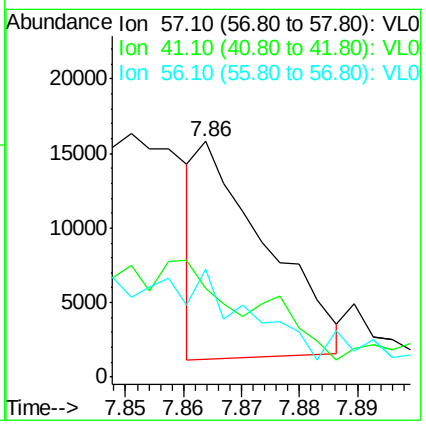


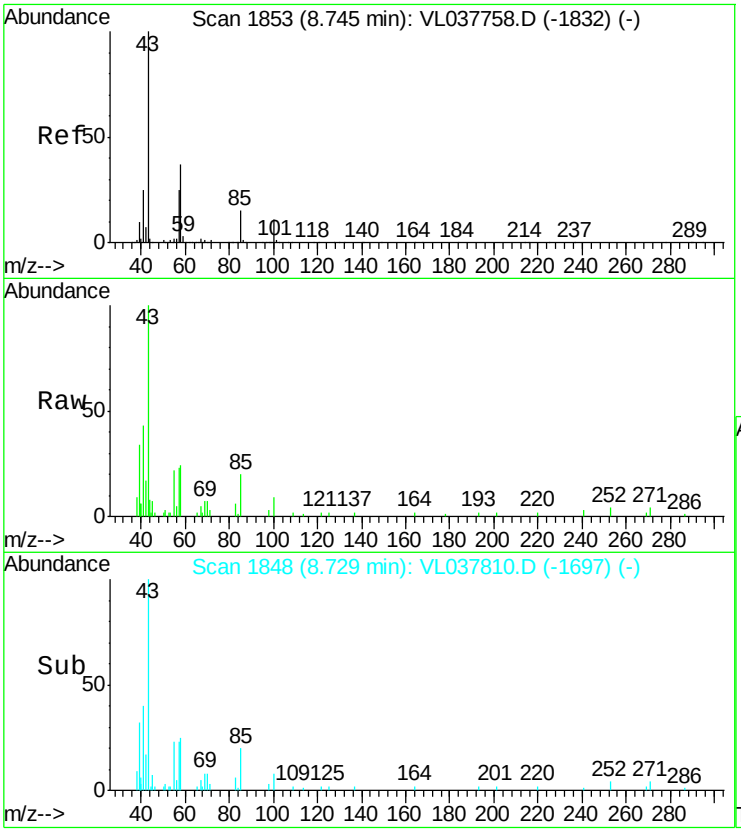


#44
2,2,4-Trimethylpentane
Concen: 0.023 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 57 Resp: 12009

Ion	Ratio	Lower	Upper
57	100		
41	152.5	25.6	38.4#
56	177.4	25.5	38.3#



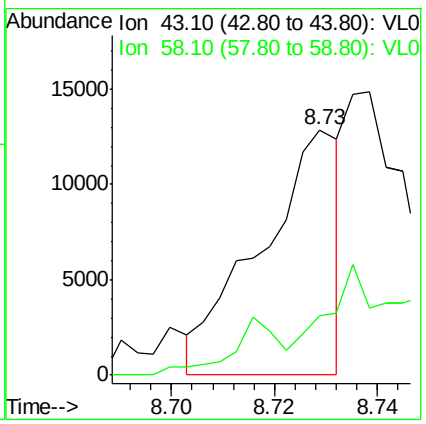


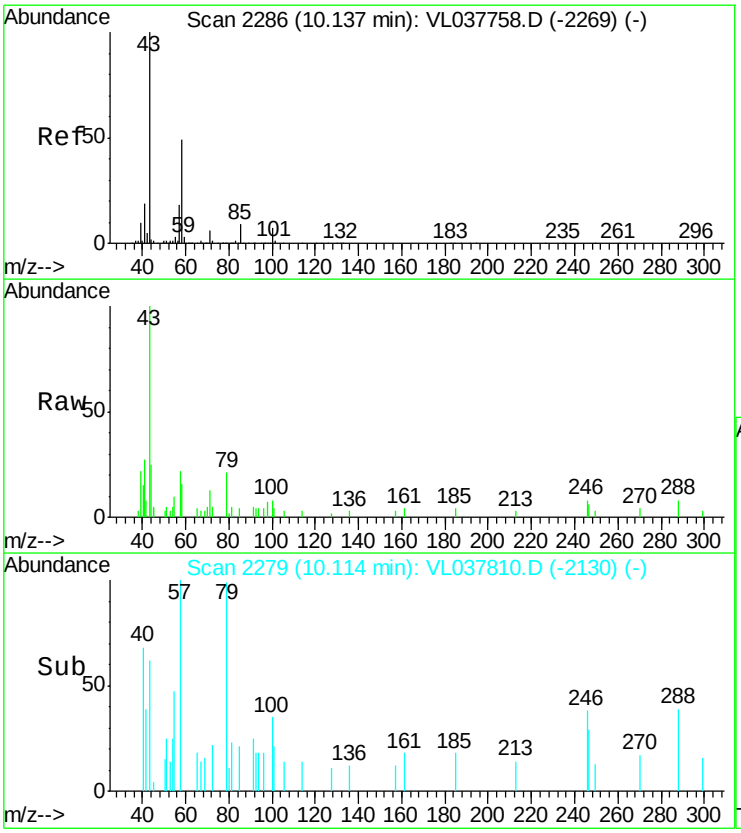
#50
4-Methyl-2-Pentanone
Concen: 0.071 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument :
MSVOA_L
ClientSampleId :
C0P45

Tgt Ion: 43 Resp: 13656

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.4	44.0#

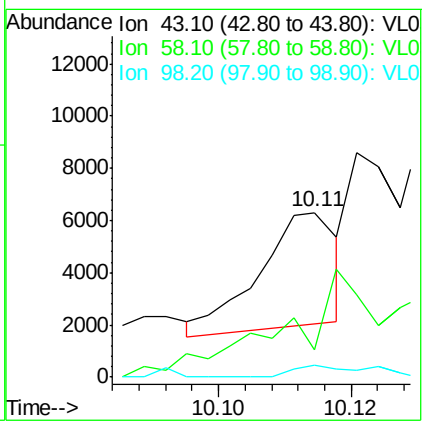


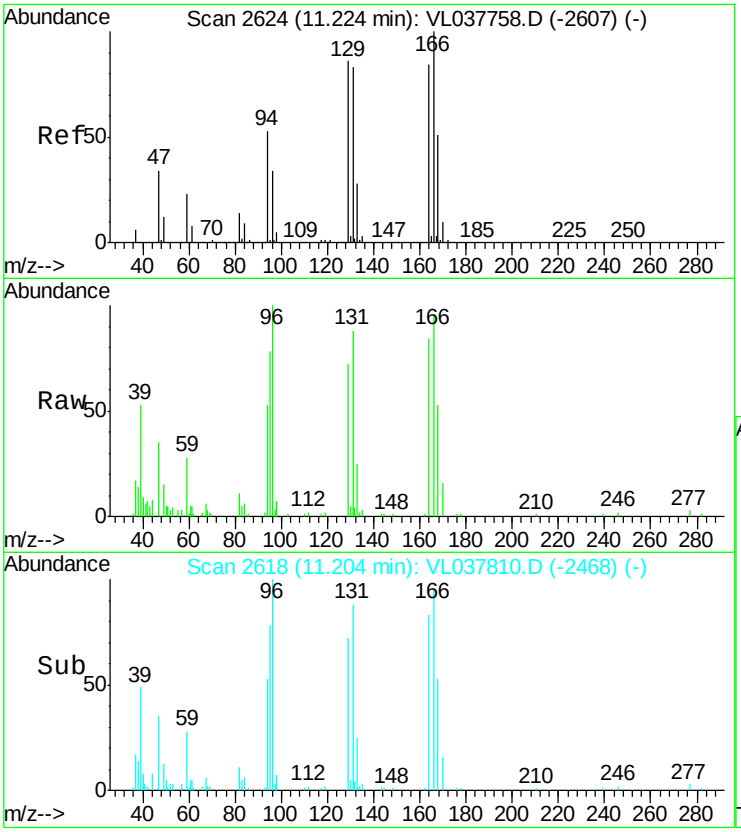


#51
2-Hexanone
Concen: 0.041 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 43 Resp: 3559

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



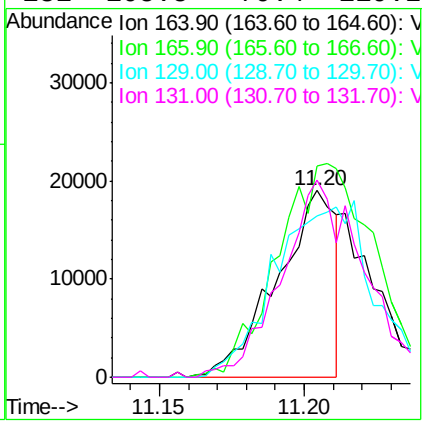


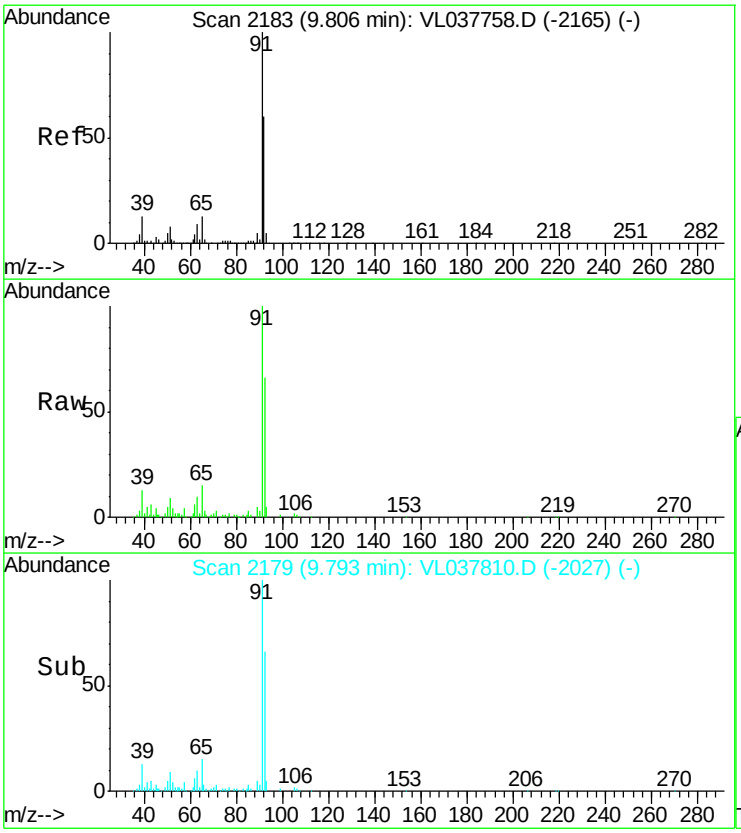
#52
Tetrachloroethene
Concen: 0.218 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument :
MSVOA_L
ClientSampleId :
C0P45

Tgt Ion:164 Resp: 26549

Ion	Ratio	Lower	Upper
164	100		
166	113.4	95.4	143.2
129	86.2	82.2	123.4
131	105.5	79.4	119.2

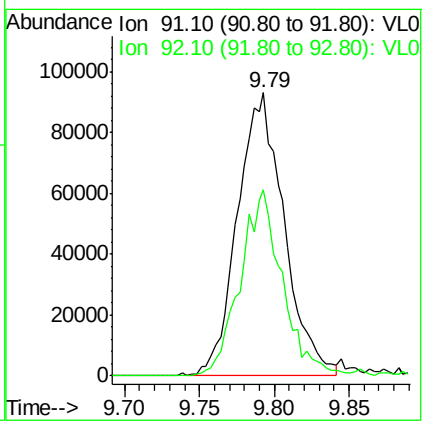


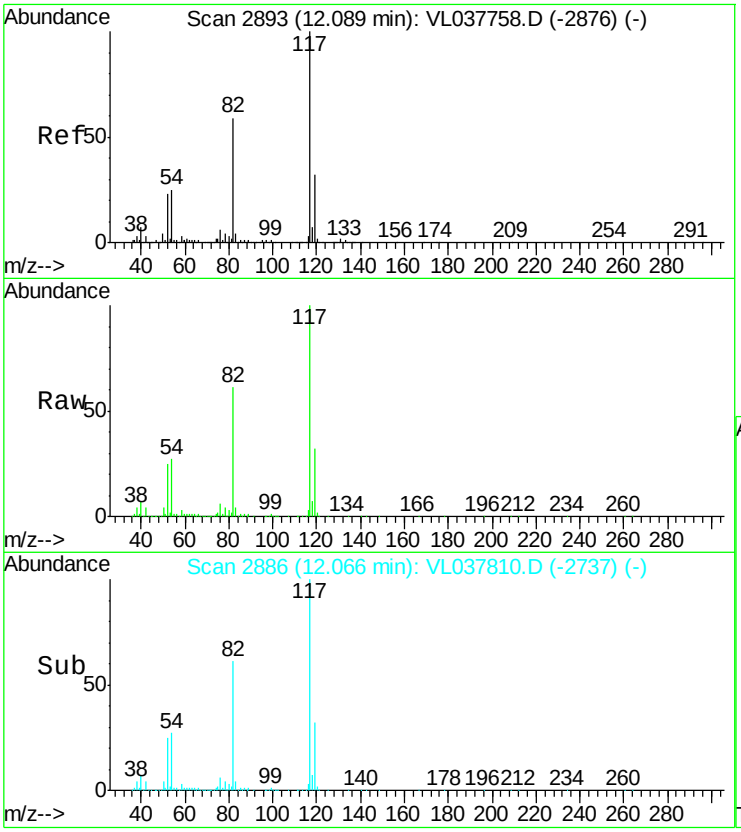


#53
Toluene
Concen: 0.575 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 91 Resp: 199934

Ion	Ratio	Lower	Upper
91	100		
92	61.4	48.4	72.6



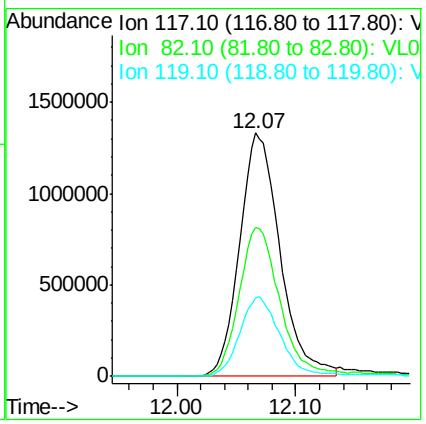


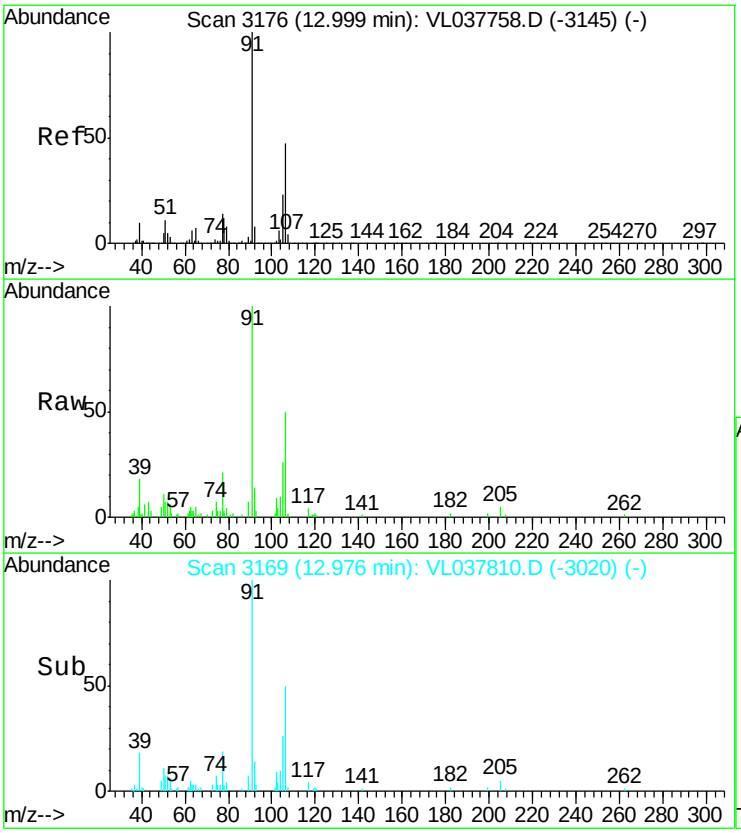
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument : MSVOA_L
ClientSampleId : C0P45

Tgt Ion:117 Resp: 3128542

Ion	Ratio	Lower	Upper
117	100		
82	64.5	52.2	78.2
119	33.5	26.0	39.0

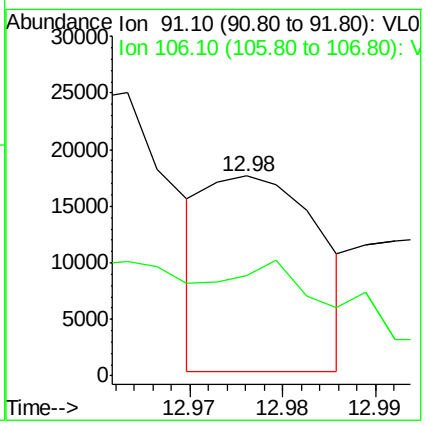


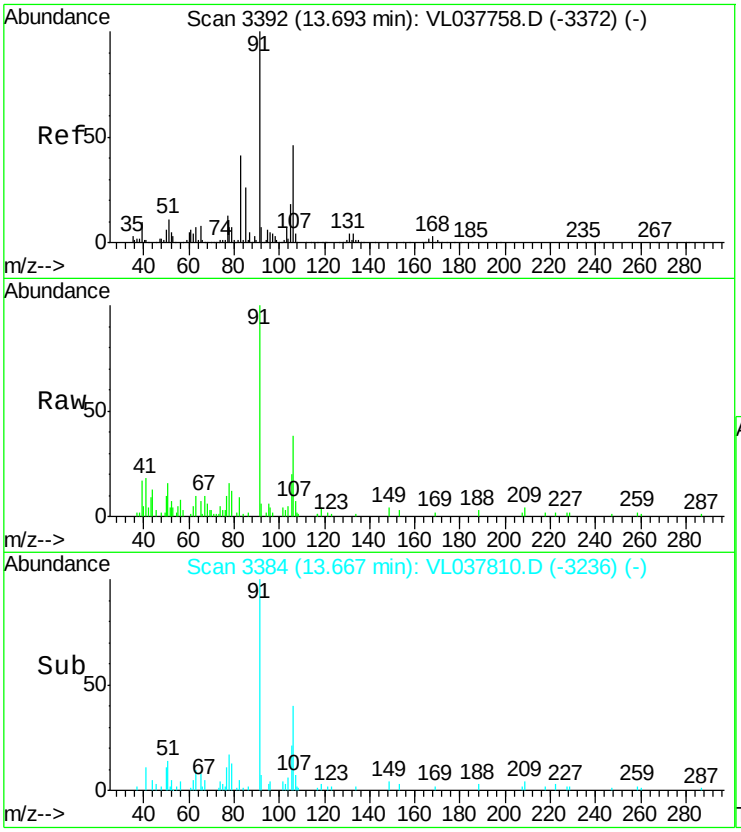


#59
m/p-Xylene
Concen: 0.040 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 91 Resp: 14457

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.7	55.1#



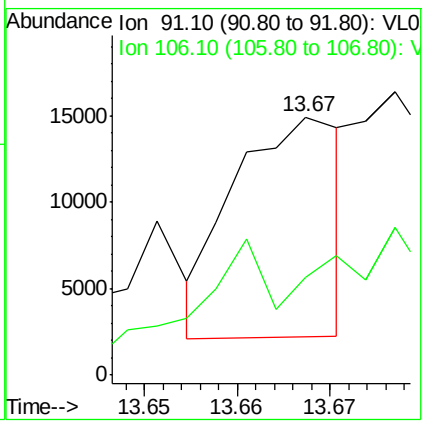


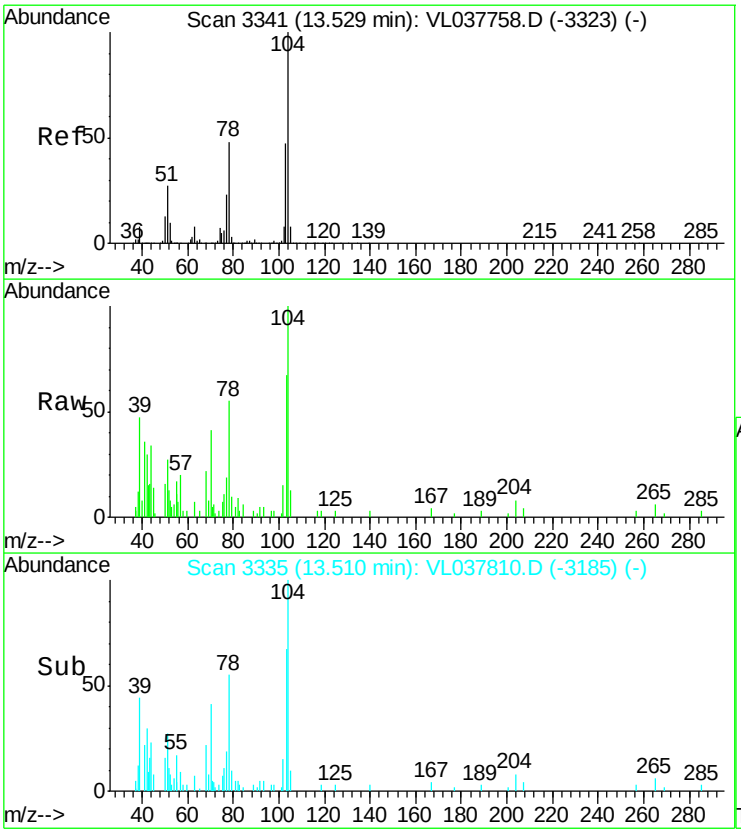
#60
o-Xylene
Concen: 0.030 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.03 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument : MSVOA_L
ClientSampleId : C0P45

Tgt Ion: 91 Resp: 10244

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	70.5#

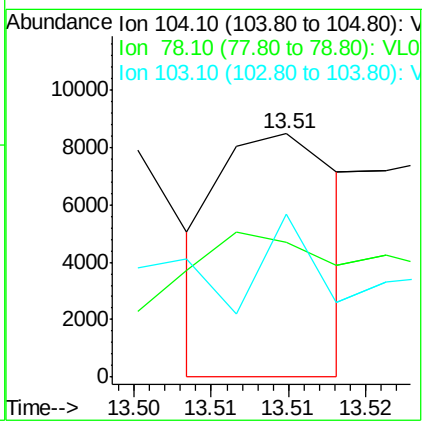


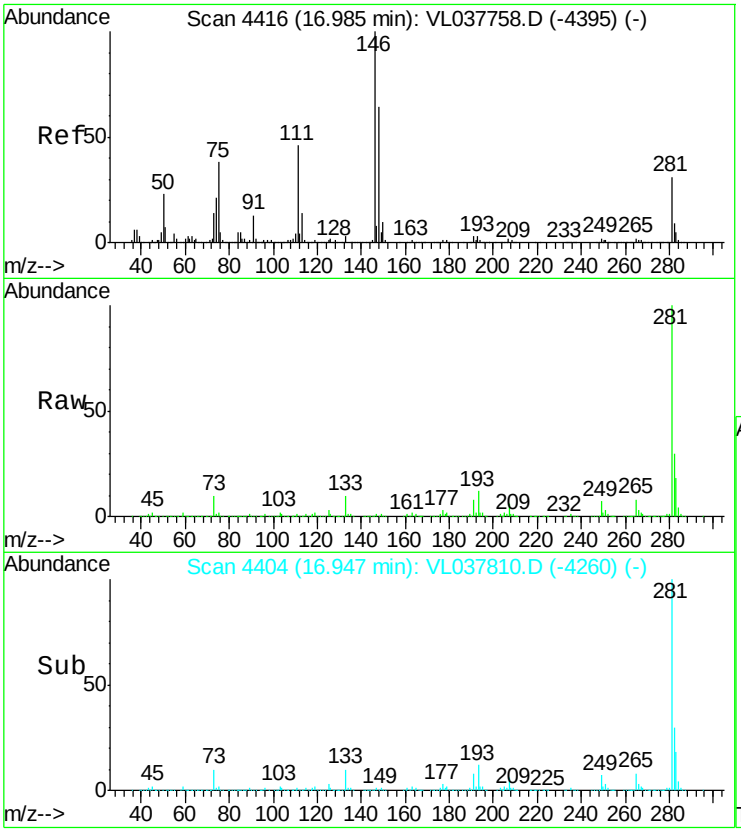


#61
Styrene
Concen: 0.027 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion:104 Resp: 4563

Ion	Ratio	Lower	Upper
104	100		
78	244.4	40.6	61.0#
103	269.8	39.6	59.4#



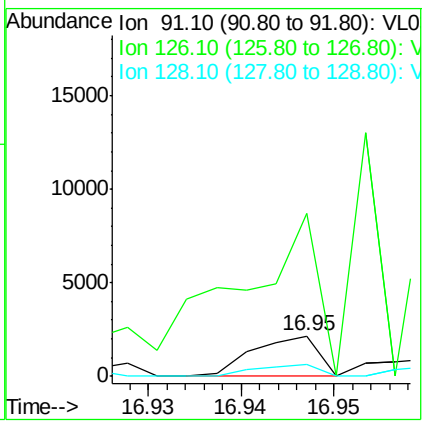


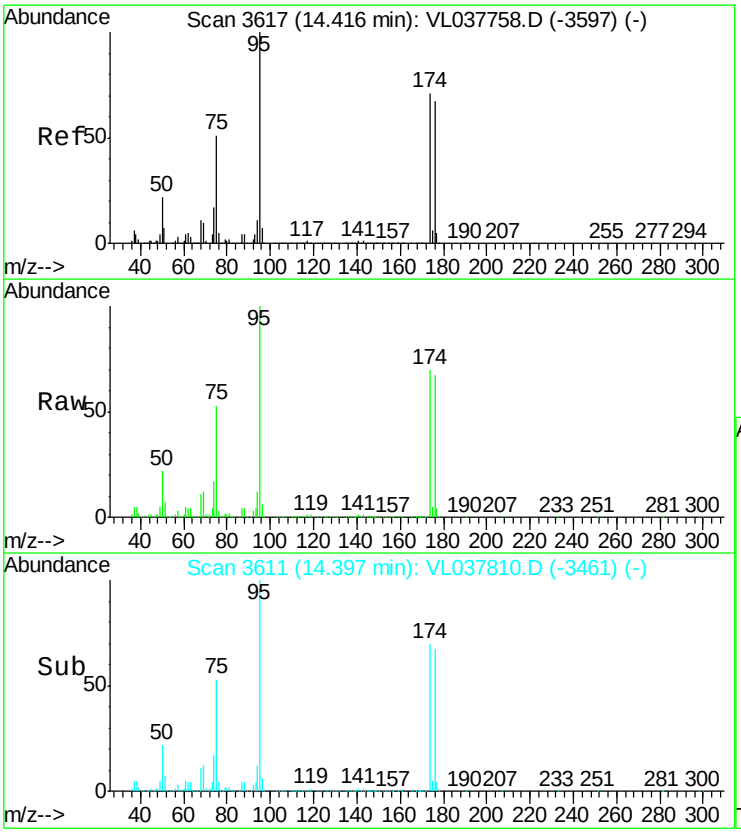
#66
Benzyl Chloride
Concen: 0.051 ppbv
RT: 16.95 min Scan# 4404
Delta R.T. -0.04 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument :
MSVOA_L
ClientSampleId :
C0P45

Tgt Ion: 91 Resp: 1061

Ion	Ratio	Lower	Upper
91	100		
126	1216.5	0.0	0.0#
128	42.8	5.3	7.9#

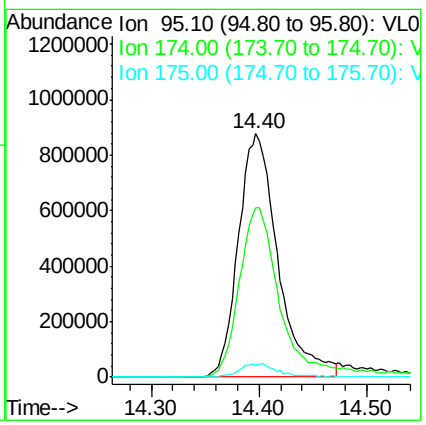


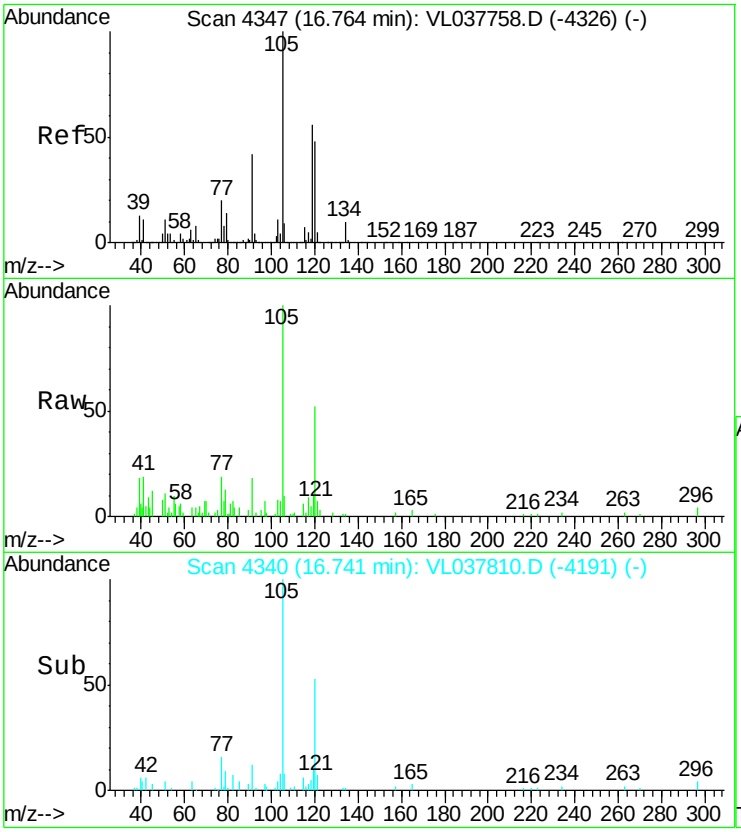


#68
1-Bromo-4-Fluorobenzene
Concen: 10.251 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Tgt Ion: 95 Resp: 2242620

Ion	Ratio	Lower	Upper
95	100		
174	74.5	57.8	86.6
175	5.7	4.7	7.1





#74
1,2,4-Trimethylbenzene
Concen: 0.081 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.02 min
Lab File: VL037810.D
Acq: 8 Oct 2021 00:21

Instrument :
MSVOA_L
ClientSampleId :
C0P45

Tgt Ion:105 Resp: 30276

Ion	Ratio	Lower	Upper
105	100		
120	51.4	38.4	57.6
91	17.5	34.2	51.2#
77	16.8	15.8	23.8