Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110921\
Data File : VL037988.D
Acq On : 9 Nov 2021 20:48
Operator : SY/AP
Sample : M4555-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 10 04:49:07 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1281075	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3654199	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3232596	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2141023	9.11	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 91.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	45729	0.253	ppbv	93
3) Chlorodifluoromethane	2.99	51	94989	0.398	ppbv #	85
4) Chloromethane	3.14	50	46341	0.511	ppbv	96
9) Propene	3.02	41	68172	0.797	ppbv	91
10) Heptane	8.11	43	10337	0.052	ppbv #	28
12) 1,1,2-Trichlorotrifluoroet	4.48	101	6866	0.049	ppbv #	56
13) Ethanol	3.60	45	4528725	525.002	ppbv	91
15) Acetone	3.85	43	1296257	12.245	ppbv	99
16) 1,3-Butadiene	3.34	39	2971	0.036	ppbv #	10
17) tert-Butyl alcohol	4.29	59	316561	2.876	ppbv	98
19) Isopropyl Alcohol	3.97	45	2183039	32.248	ppbv #	92
20) Methylene Chloride	4.34	84	141817	2.440	ppbv	92
21) Allyl Chloride	4.34	41	4170	0.043	ppbv #	24
23) Vinyl Acetate	5.07	43	23824	0.149	ppbv #	84
25) Ethyl Acetate	5.68	43	209993	0.668	ppbv #	97
26) Hexane	5.68	57	118194	0.793	ppbv	85
34) 2-Butanone	5.24	43	86235	0.637	ppbv	91
36) Benzene	6.89	78	13405	0.045	ppbv #	71
39) 1,2-Dichloropropane	7.17	63	859051	7.672	ppbv #	28
53) Toluene	9.80	91	229270	0.719	ppbv	99
65) tert-Butylbenzene	16.98	119	541638	1.307	ppbv #	29
66) Benzyl Chloride	16.98	91	5489	0.253	ppbv #	66
74) 1,2,4-Trimethylbenzene	16.75	105	17431	0.047	ppbv #	73

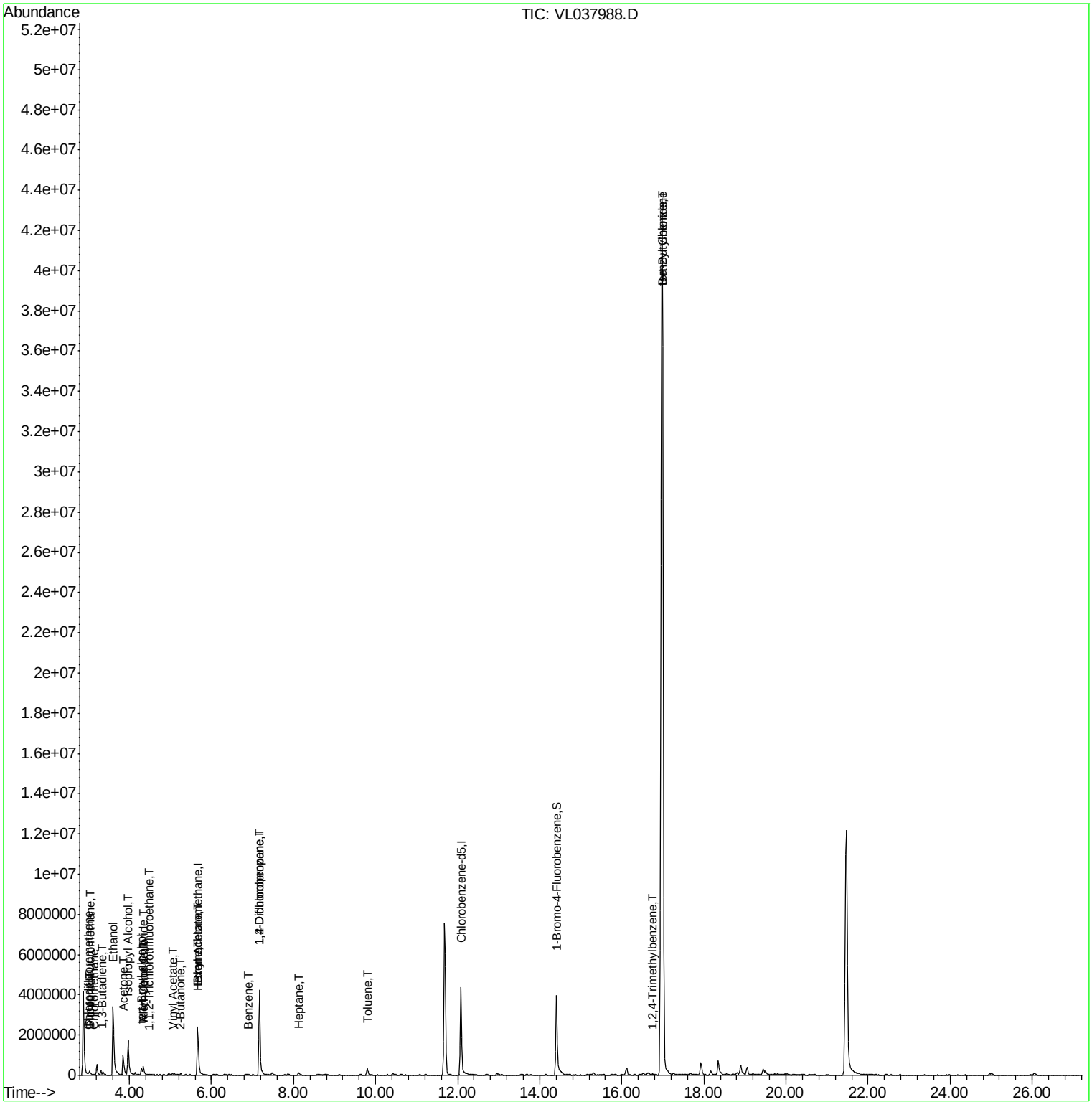
(#) = qualifier out of range (m) = manual integration (+) = signals summed

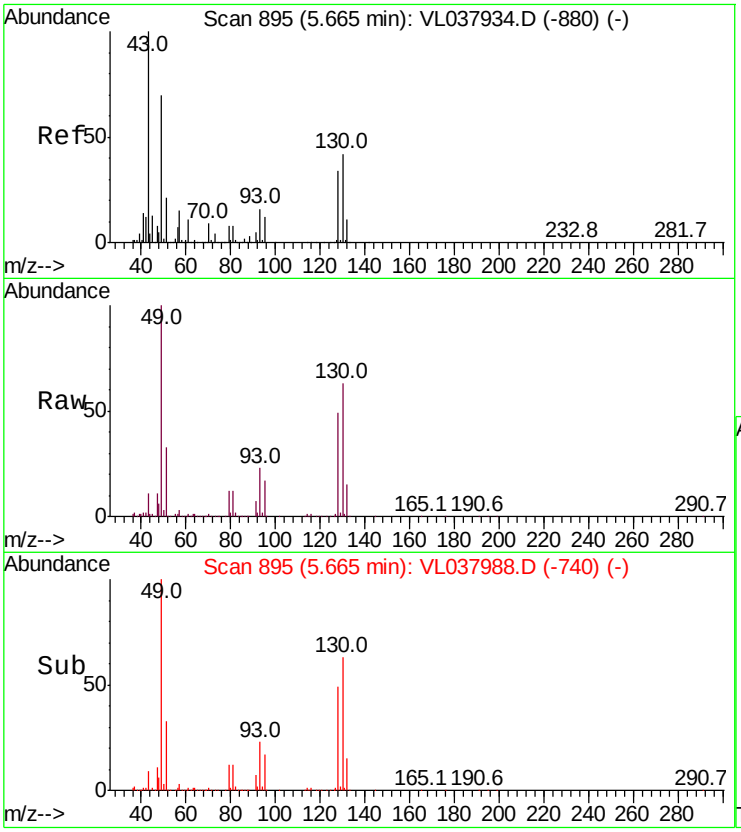
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110921\
Data File : VL037988.D
Acq On : 9 Nov 2021 20:48
Operator : SY/AP
Sample : M4555-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 10 04:49:07 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration



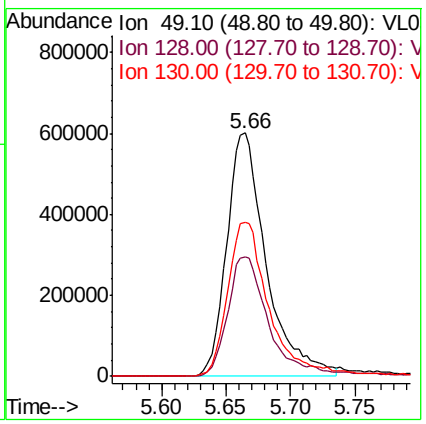


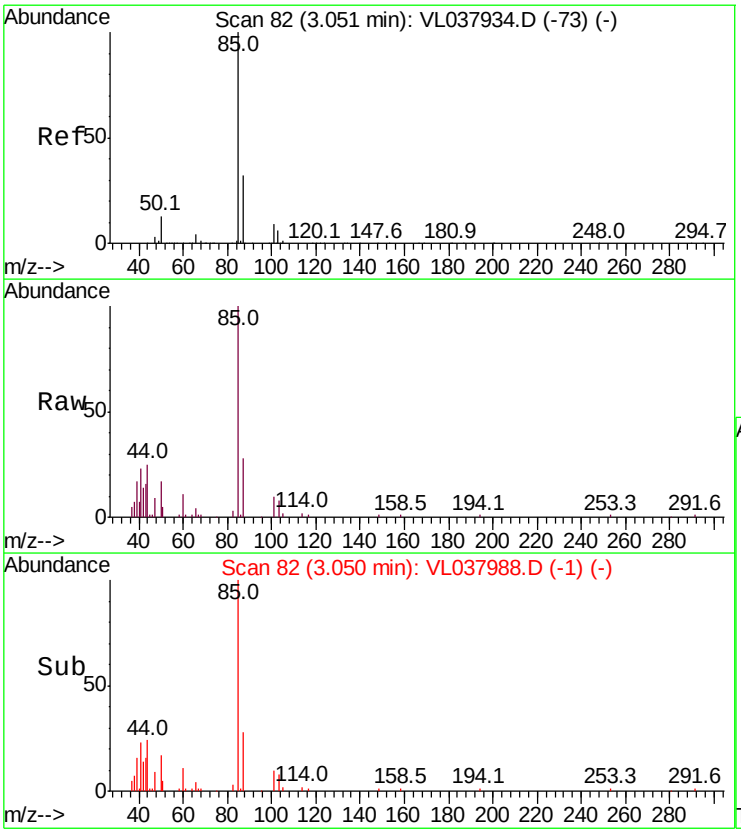
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1281075

Ion	Ratio	Lower	Upper
49	100		
128	52.1	27.0	81.0
130	67.5	33.4	100.2

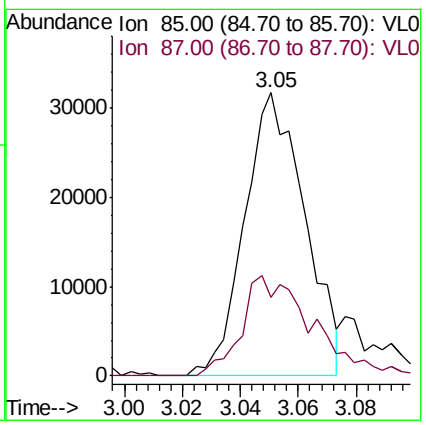


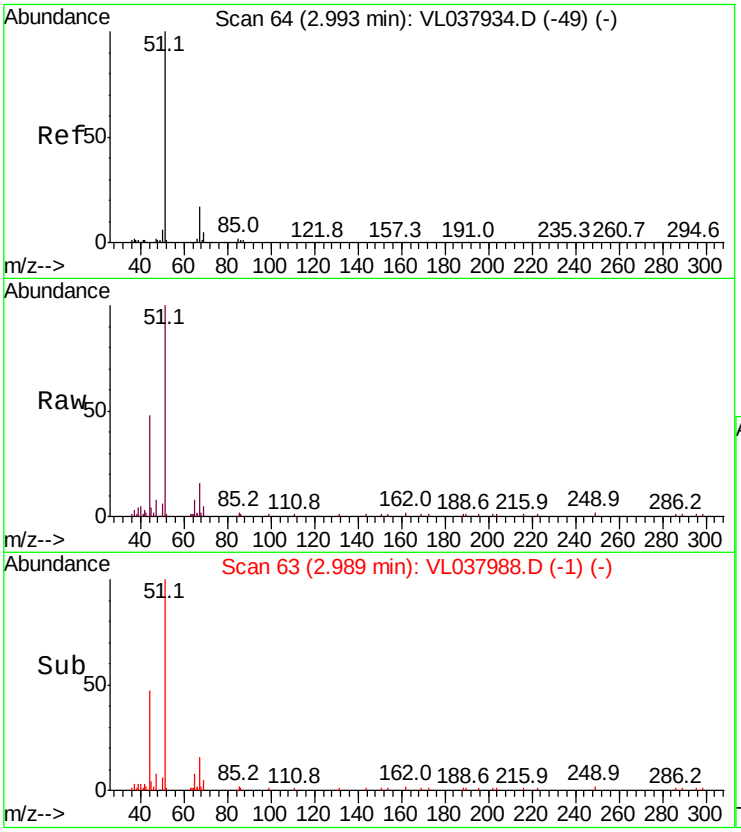


#2
Dichlorodifluoromethane
Concen: 0.253 ppbv
RT: 3.05 min Scan# 82
Delta R.T. -0.00 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 85 Resp: 45729

Ion	Ratio	Lower	Upper
85	100		
87	27.8	25.3	37.9



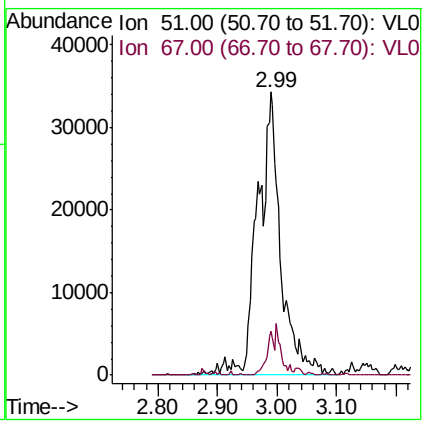


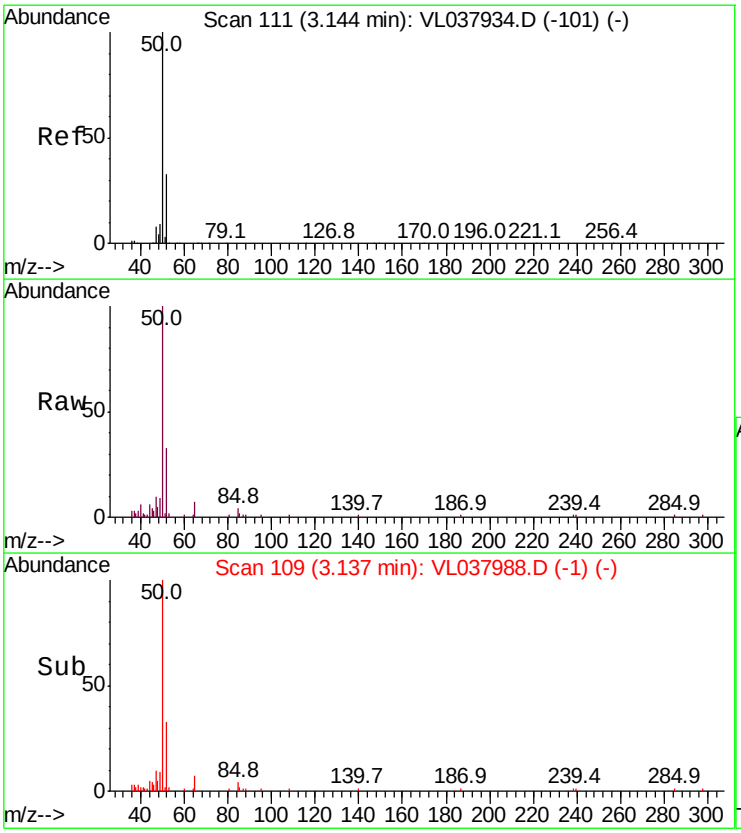
#3
Chlorodifluoromethane
Concen: 0.398 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 94989

Ion	Ratio	Lower	Upper
51	100		
67	10.3	13.4	20.0#

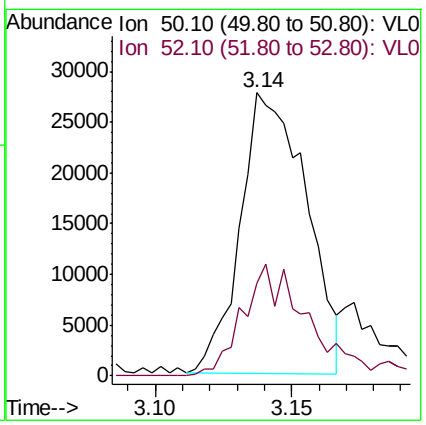


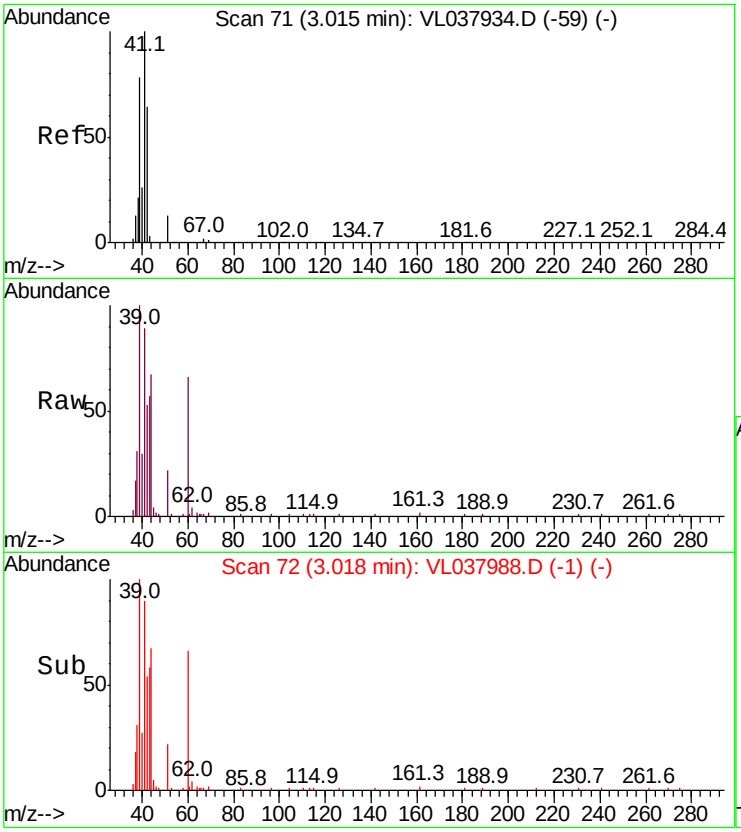


#4
Chloromethane
Concen: 0.511 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 50 Resp: 46341

Ion	Ratio	Lower	Upper
50	100		
52	35.0	26.3	39.5



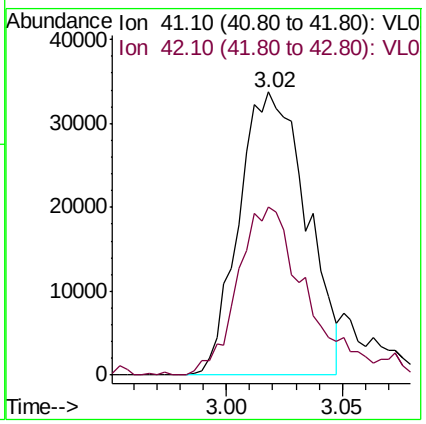


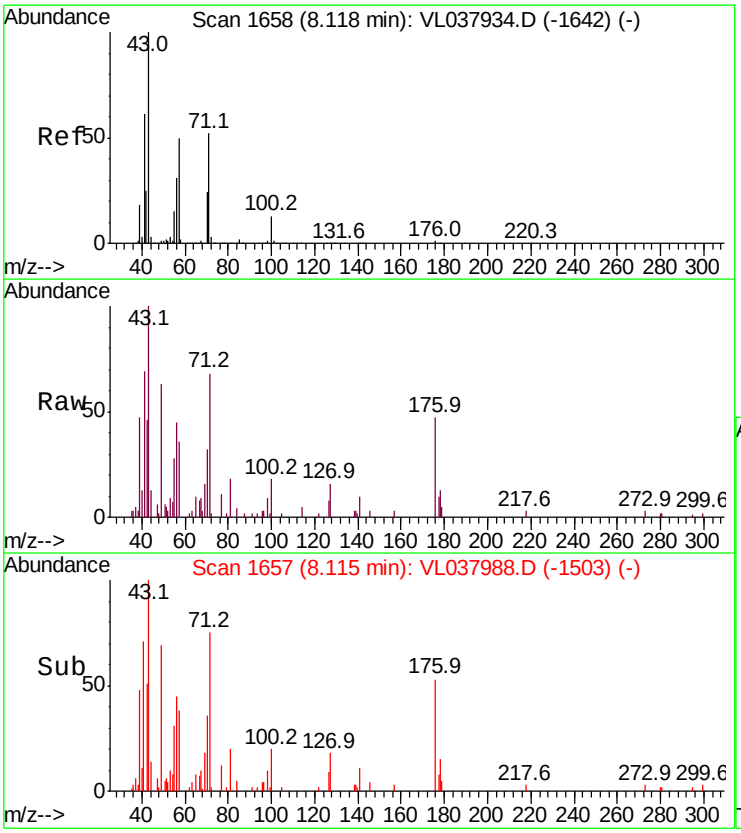
#9
Propene
Concen: 0.797 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 68172

Ion	Ratio	Lower	Upper
41	100		
42	64.1	57.6	86.4

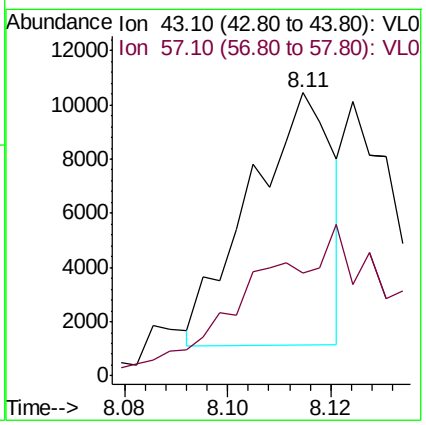


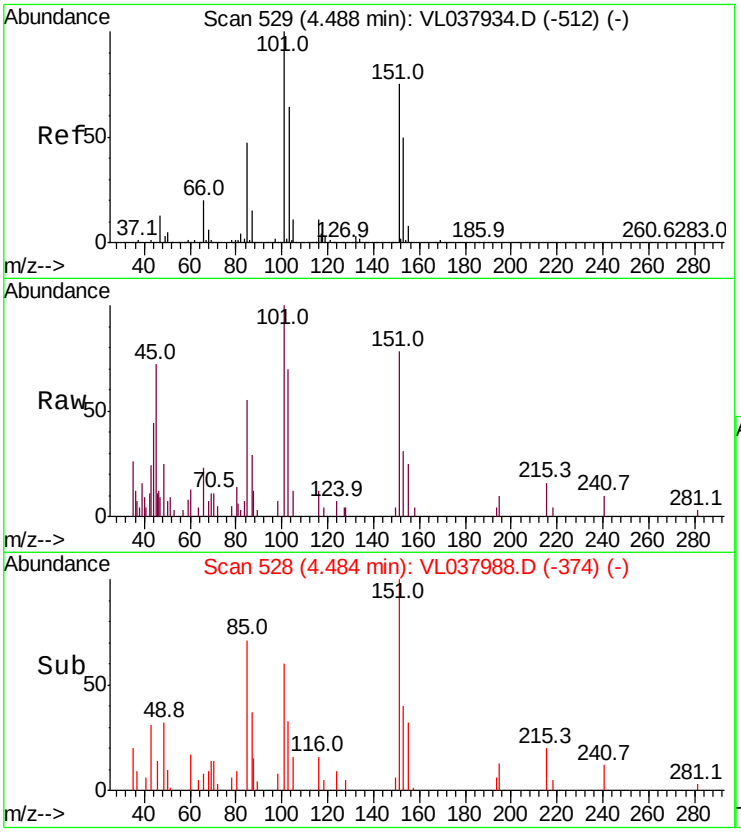


#10
Heptane
Concen: 0.052 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 43 Resp: 10337

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.8	59.8#



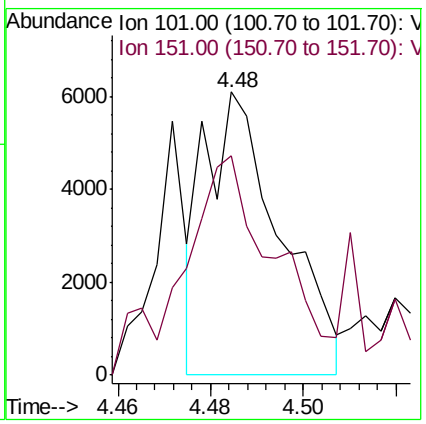


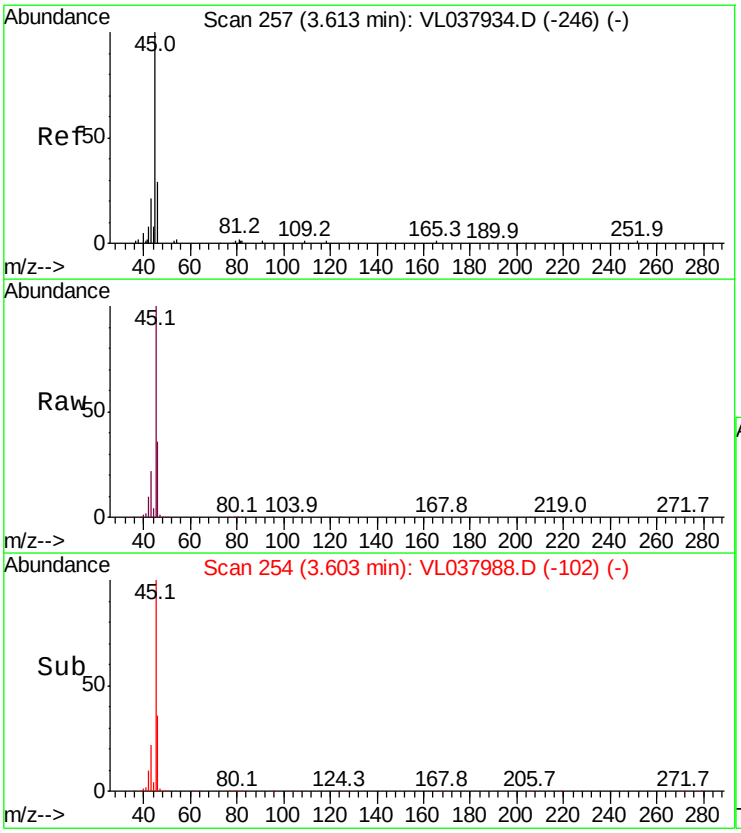
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.049 ppbv
RT: 4.48
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 6866

Ion	Ratio	Lower	Upper
101	100		
151	115.8	61.8	92.8#

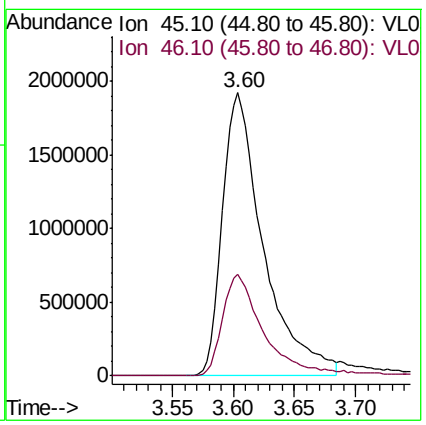


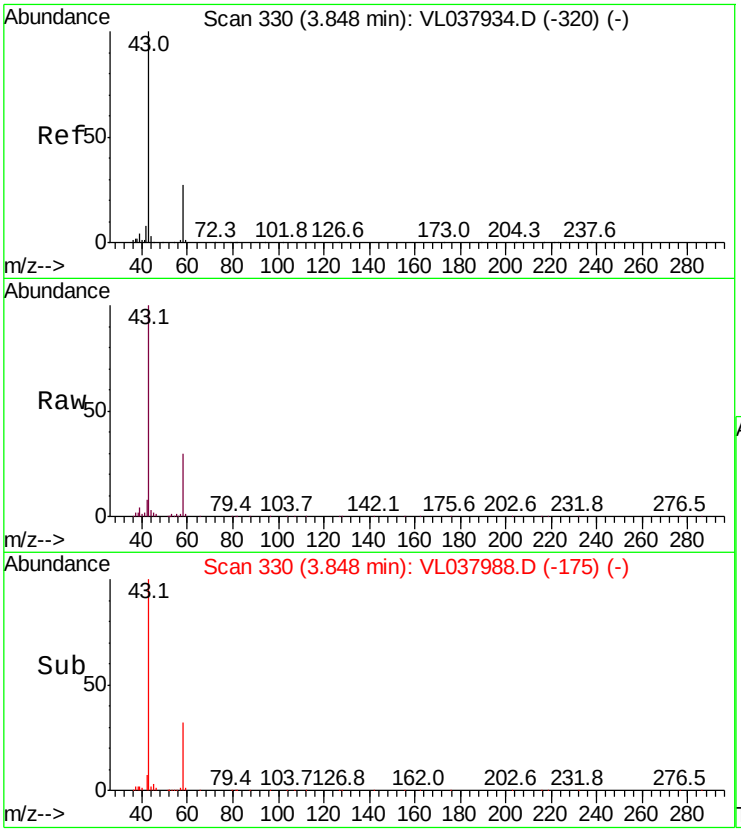


#13
Ethanol
Concen: 525.002 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 45 Resp: 4528725

Ion	Ratio	Lower	Upper
45	100		
46	37.7	17.4	69.8



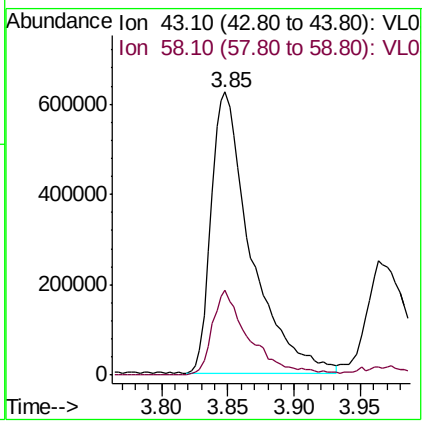


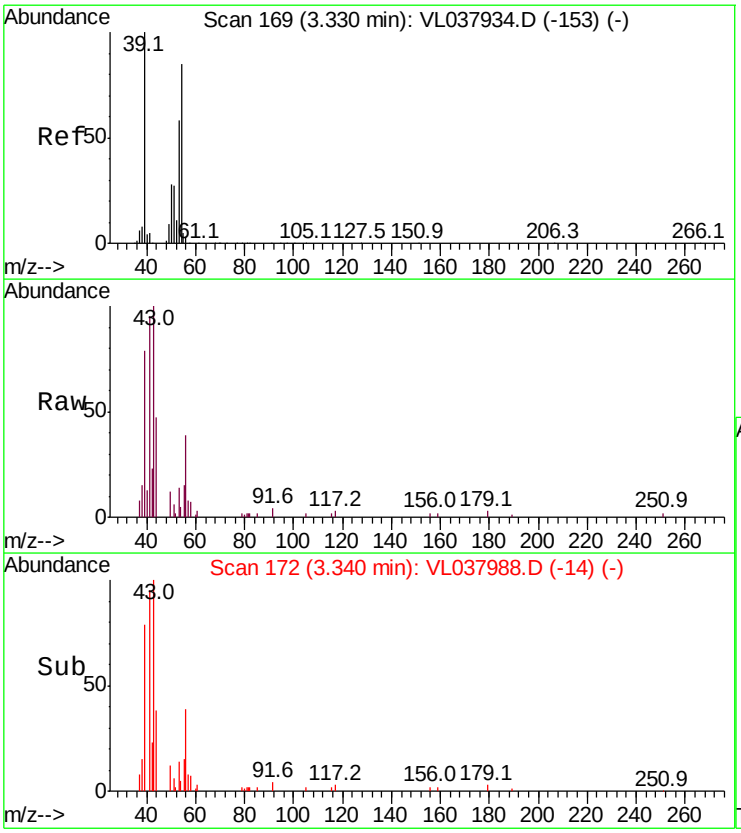
#15
Acetone
Concen: 12.245 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1296257

Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.3	34.9

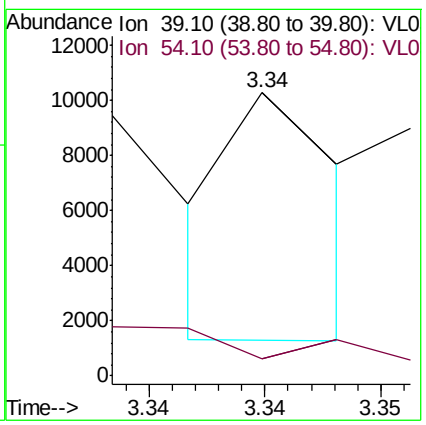


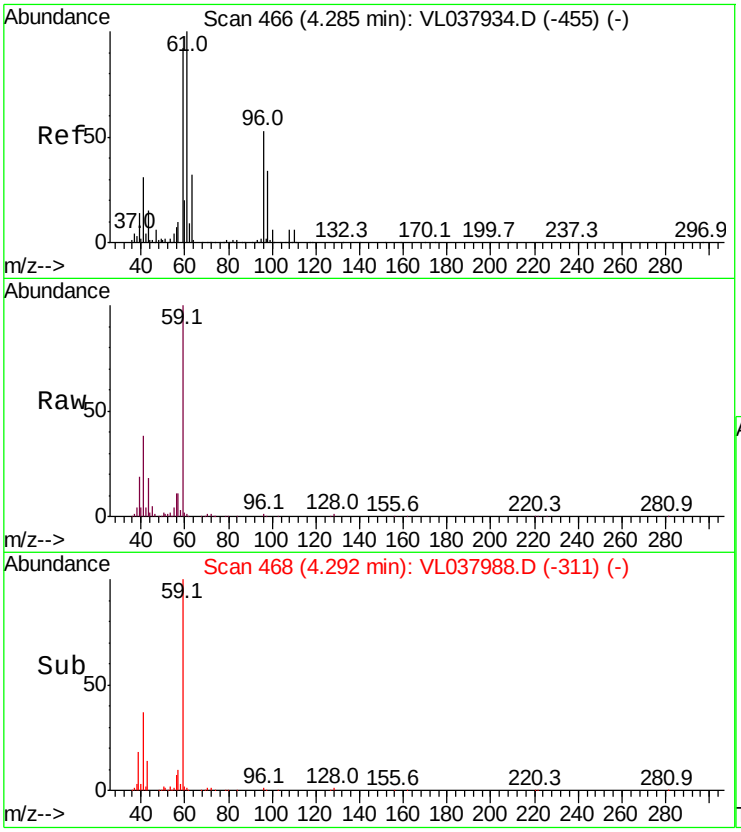


#16
1,3-Butadiene
Concen: 0.036 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 39 Resp: 2971

Ion	Ratio	Lower	Upper
39	100		
54	0.0	62.6	93.8#



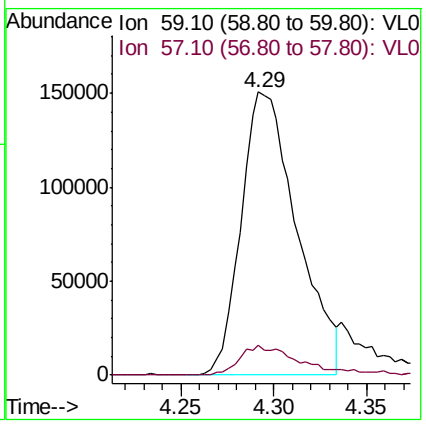


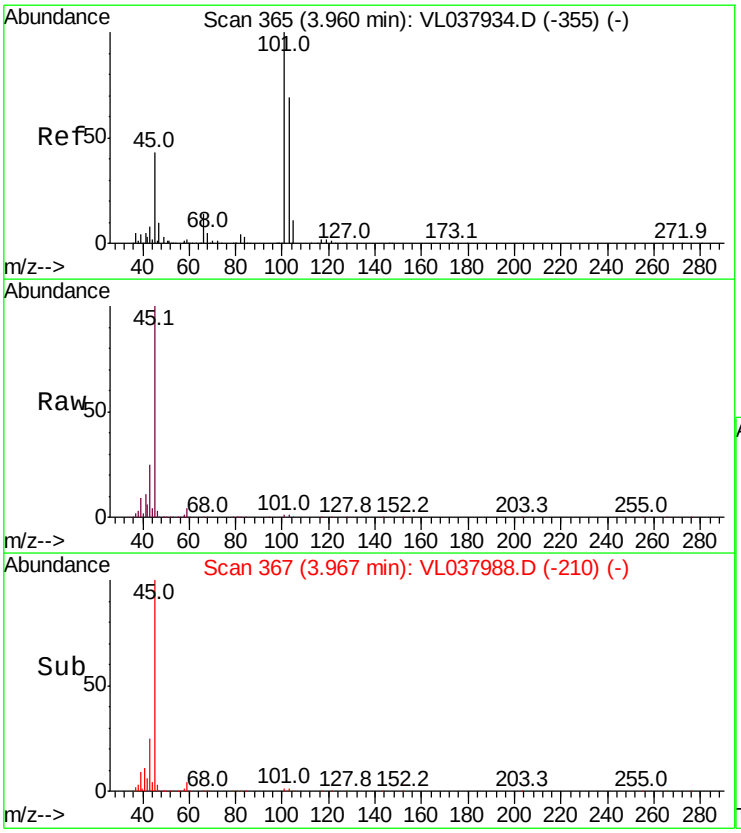
#17
tert-Butyl alcohol
Concen: 2.876 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 316561

Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.9	13.3

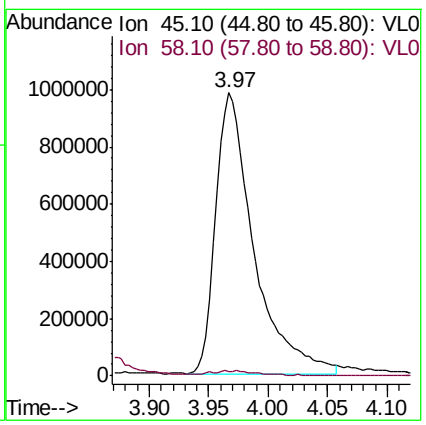


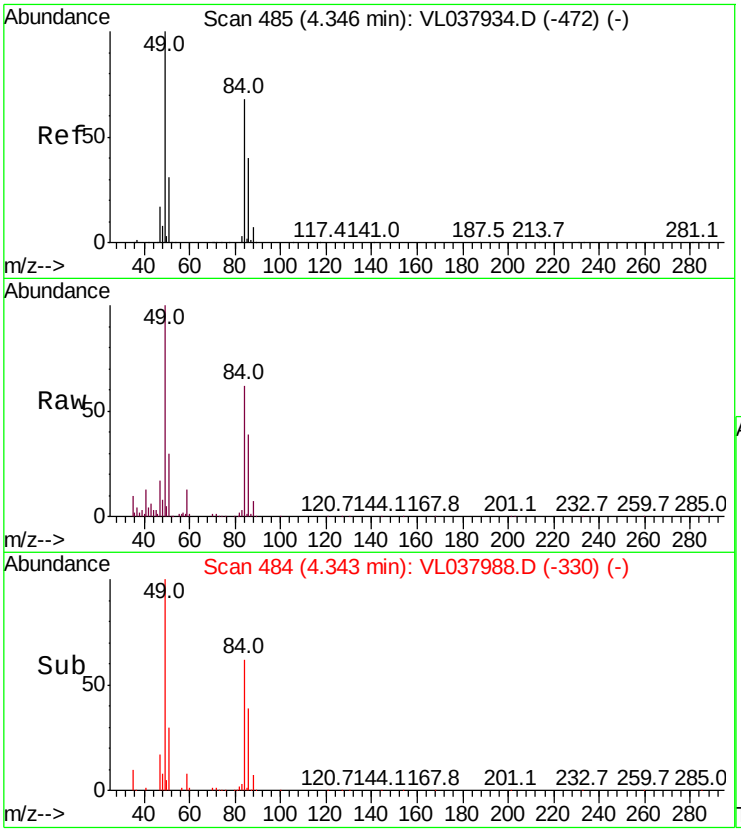


#19
Isopropyl Alcohol
Concen: 32.248 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 45 Resp: 2183039

Ion	Ratio	Lower	Upper
45	100		
58	2.2	4.0	6.0#



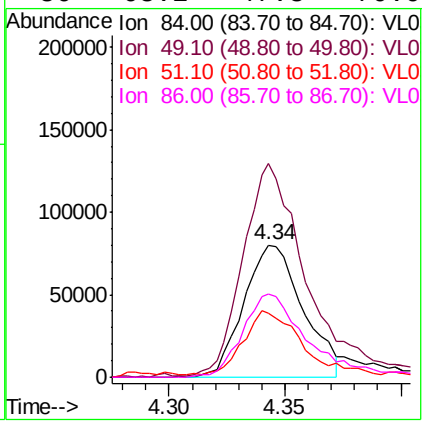


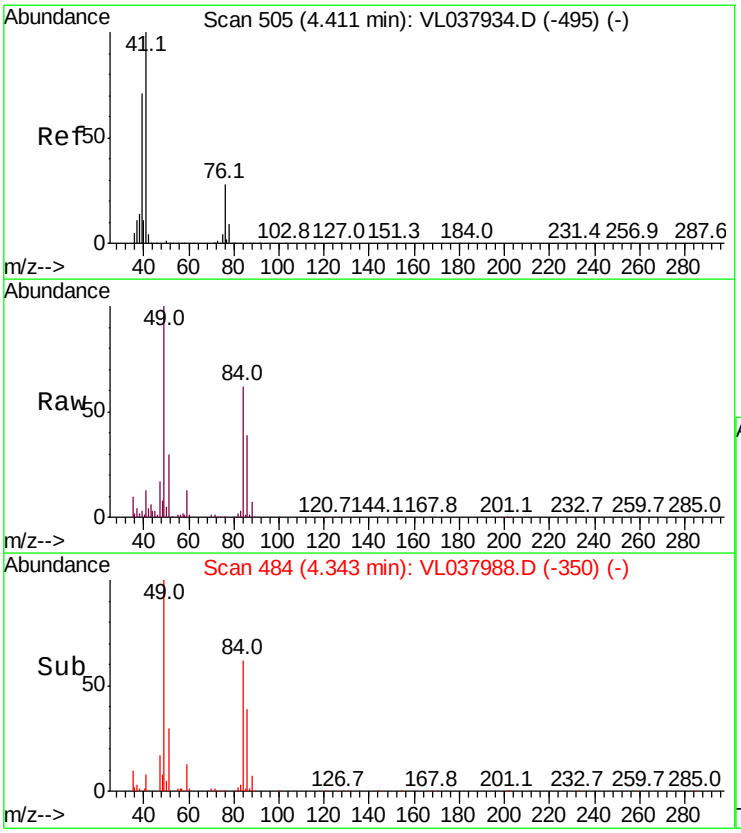
#20
Methylene Chloride
Concen: 2.440 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 141817

Ion	Ratio	Lower	Upper
84	100		
49	160.4	117.5	176.3
51	47.1	35.9	53.9
86	63.2	47.3	70.9

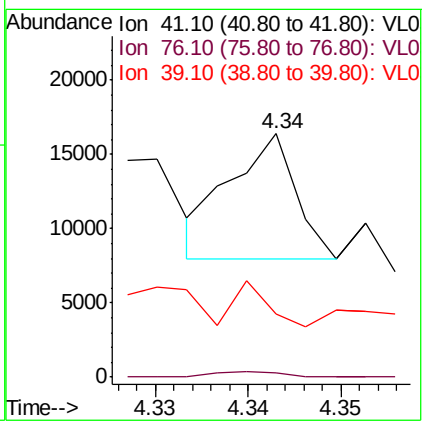


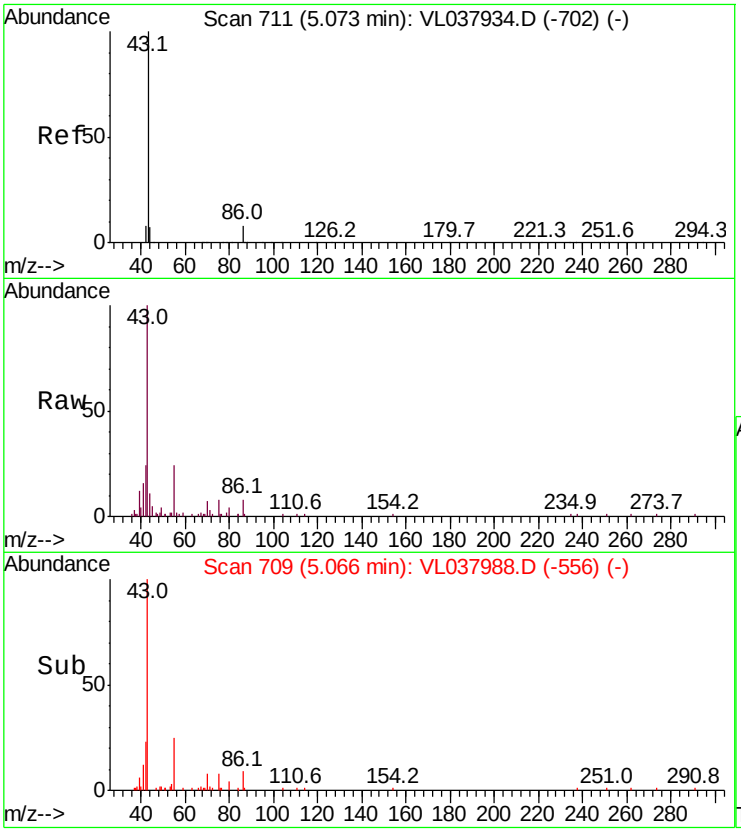


#21
Allyl Chloride
Concen: 0.043 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.07 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 41 Resp: 4170

Ion	Ratio	Lower	Upper
41	100		
76	4.3	23.6	35.4#
39	0.0	59.7	89.5#



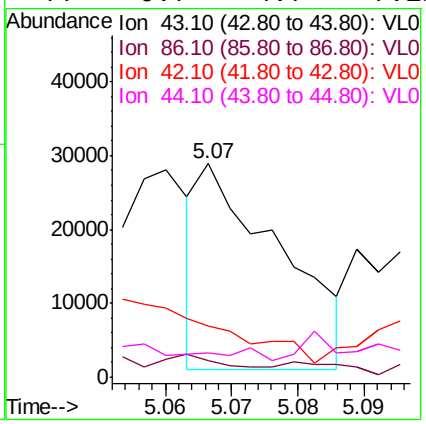


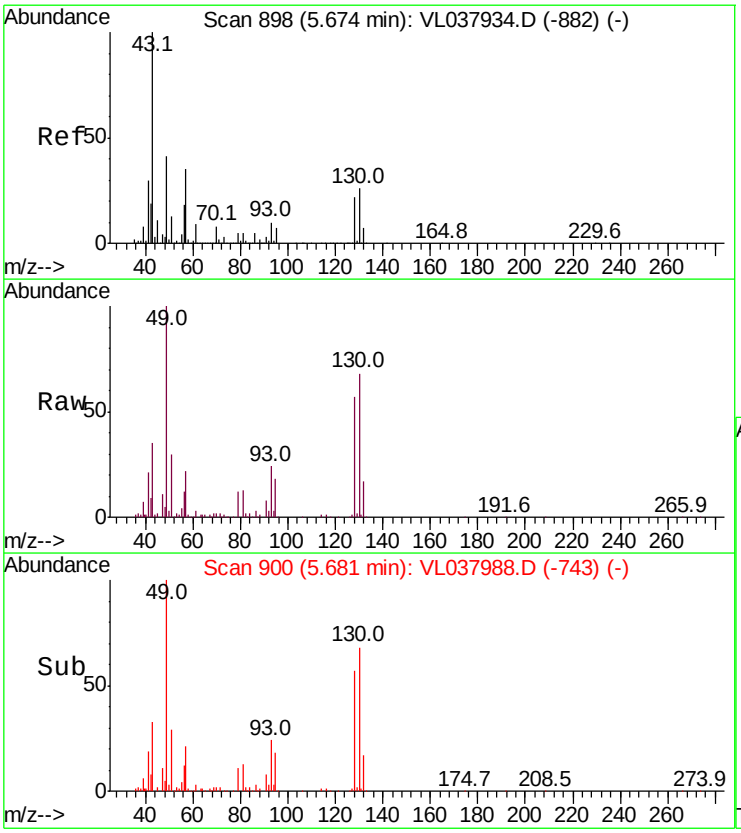
#23
Vinyl Acetate
Concen: 0.149 ppbv
RT: 5.07
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 23824

Ion	Ratio	Lower	Upper
43	100		
86	3.1	5.5	8.3#
42	16.2	7.4	11.2#
44	0.7	4.7	7.1#

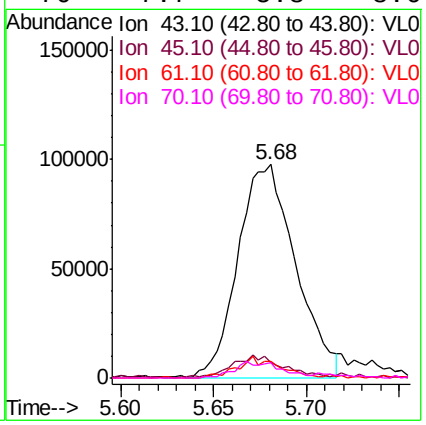


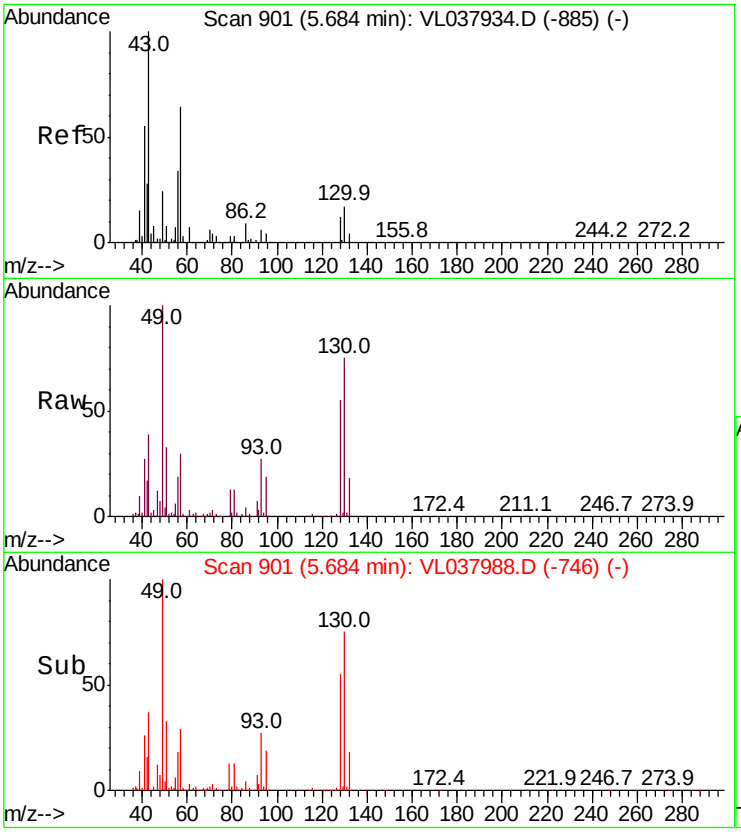


#25
Ethyl Acetate
Concen: 0.668 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 43 Resp: 209993

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	7.8	8.1	12.1#
70	7.7	5.8	8.6



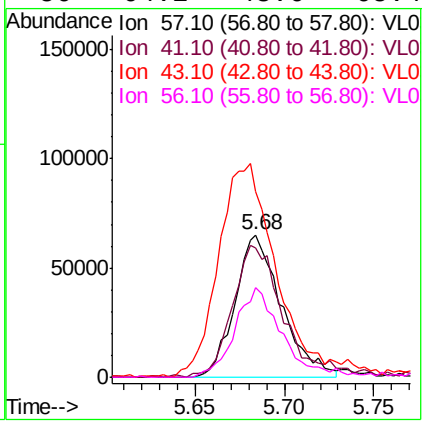


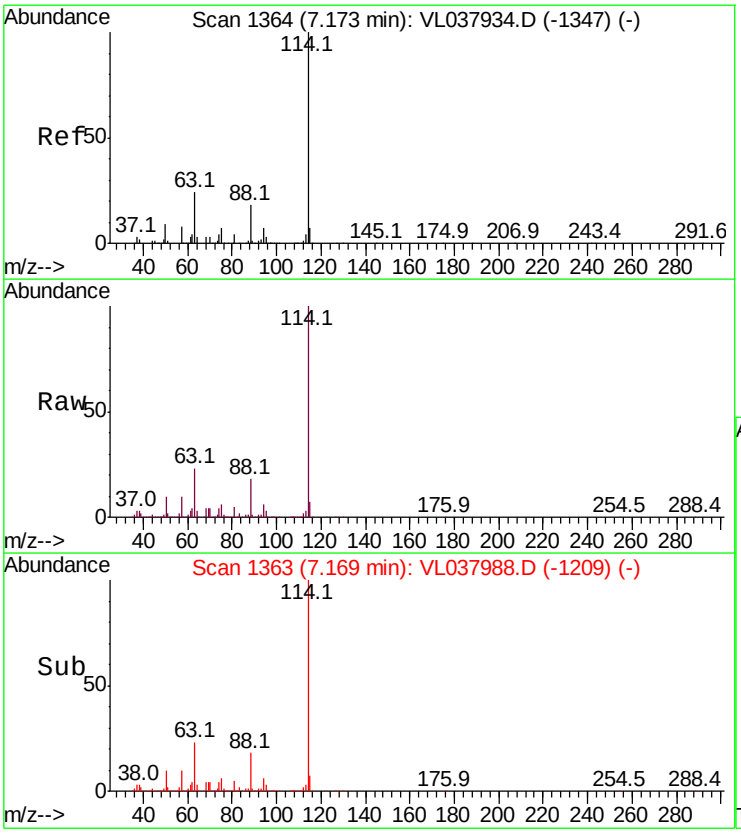
#26
Hexane
Concen: 0.793 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 118194

Ion	Ratio	Lower	Upper
57	100		
41	105.5	71.0	106.6
43	193.8	173.0	259.6
56	64.2	43.6	65.4

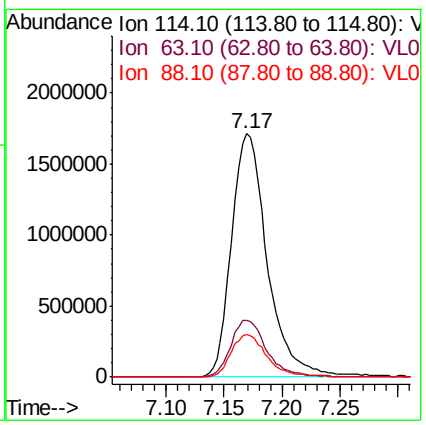


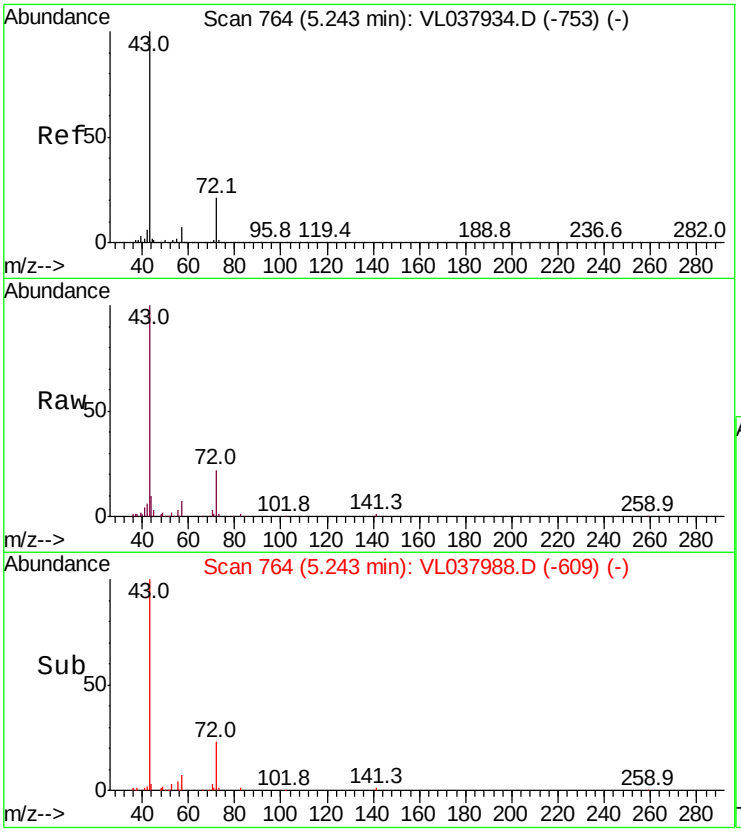


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion:114 Resp: 3654199

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	17.9	14.2	21.4



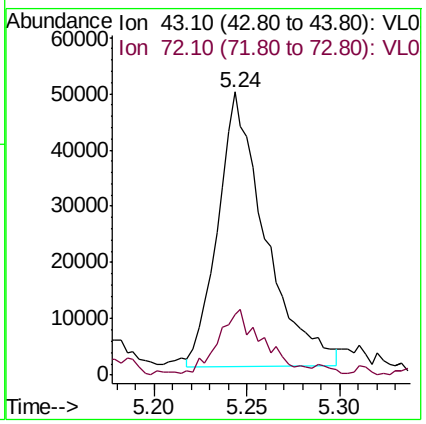


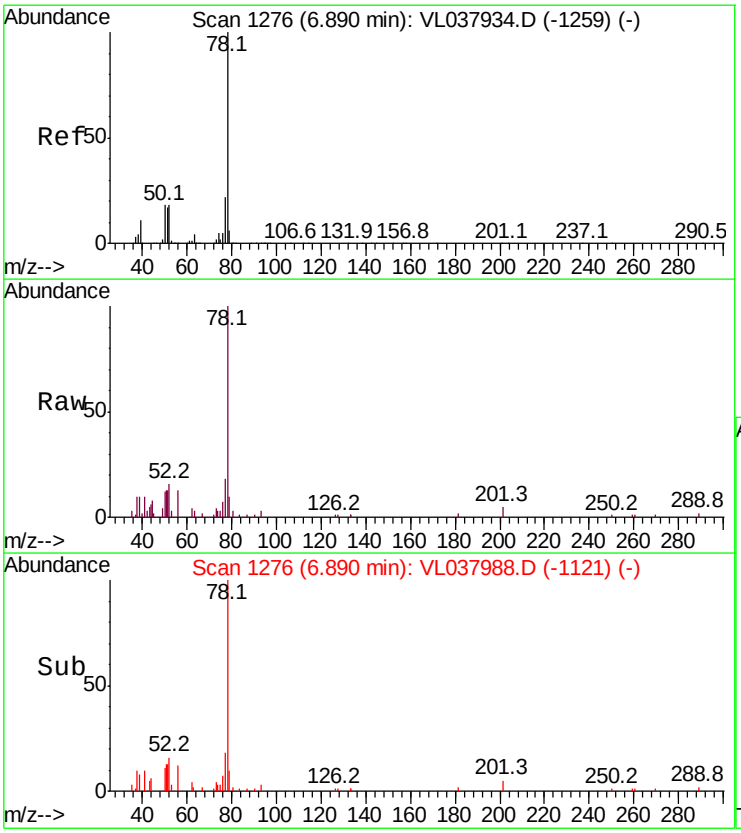
#34
2-Butanone
Concen: 0.637 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 86235

Ion	Ratio	Lower	Upper
43	100		
72	27.1	18.3	27.5

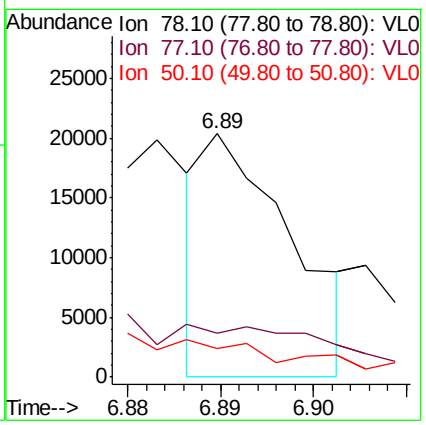


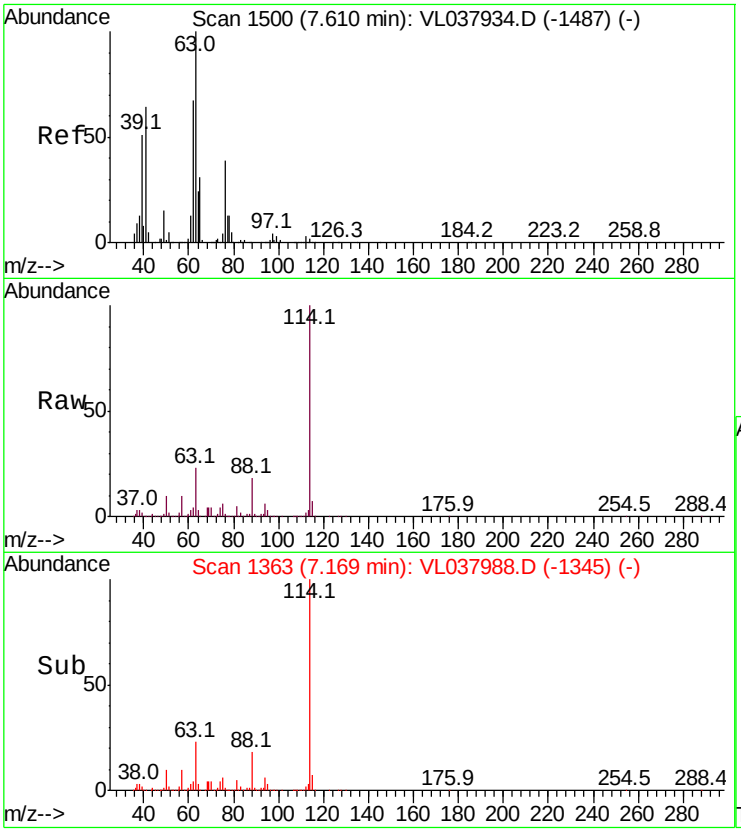


#36
Benzene
Concen: 0.045 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 78 Resp: 13405

Ion	Ratio	Lower	Upper
78	100		
77	8.5	17.9	26.9#
50	5.3	14.4	21.6#



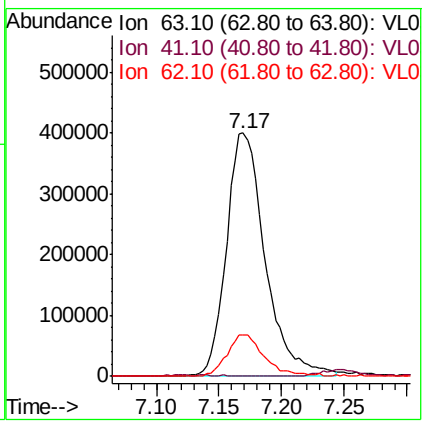


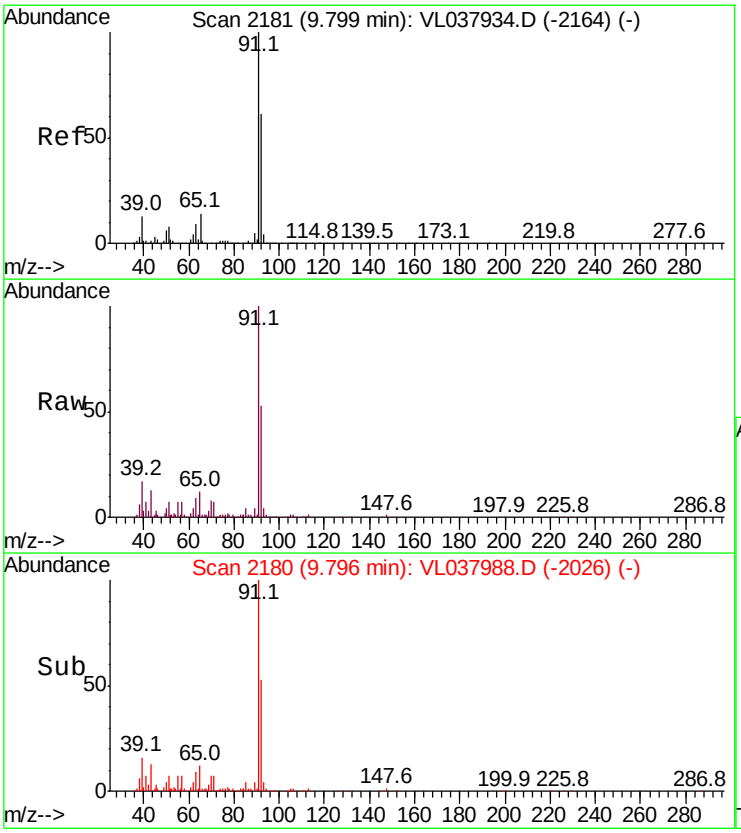
#39
1,2-Dichloropropane
Concen: 7.672 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 859051

Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	16.9	53.5	80.3#

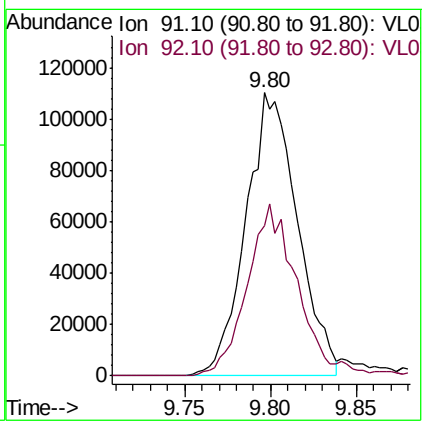


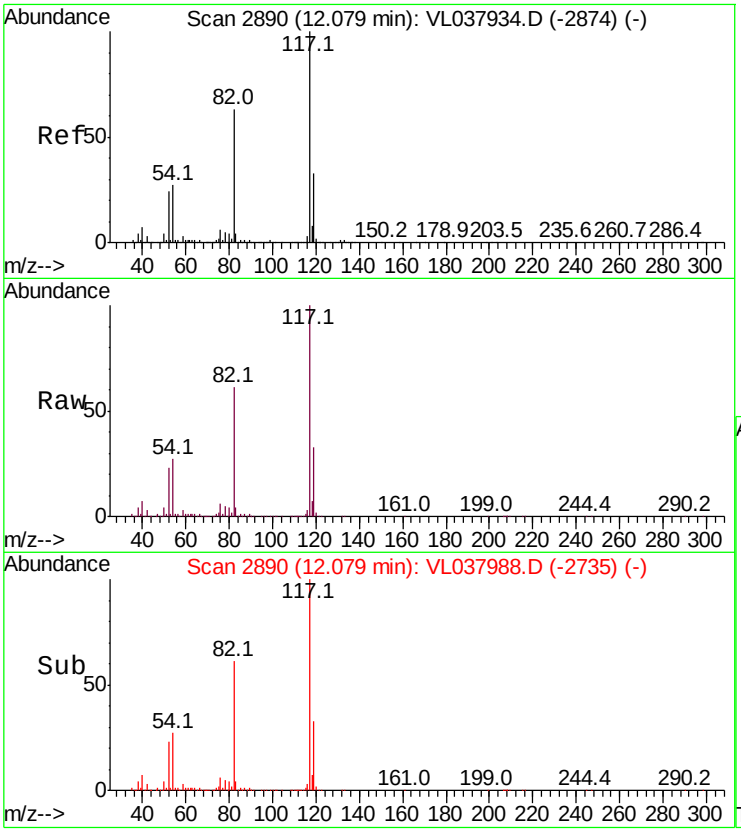


#53
Toluene
Concen: 0.719 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 91 Resp: 229270

Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.2	72.4



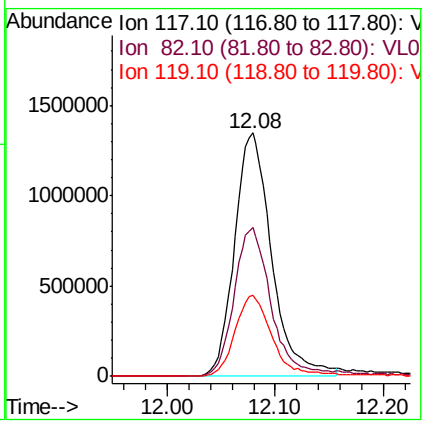


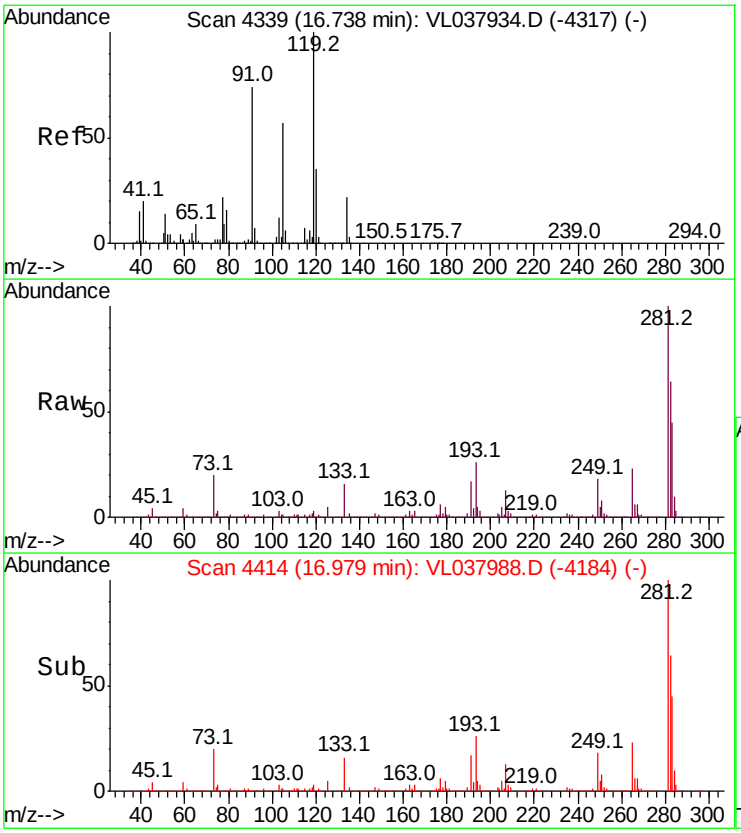
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3232596

Ion	Ratio	Lower	Upper
117	100		
82	64.5	51.0	76.6
119	34.8	26.9	40.3

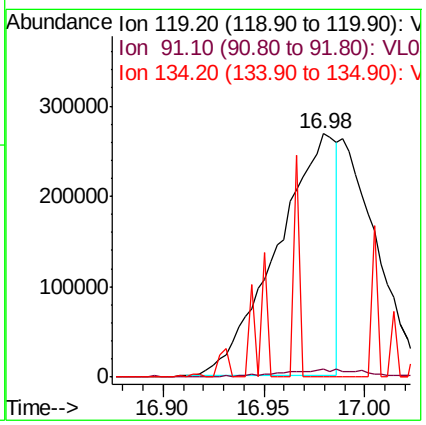


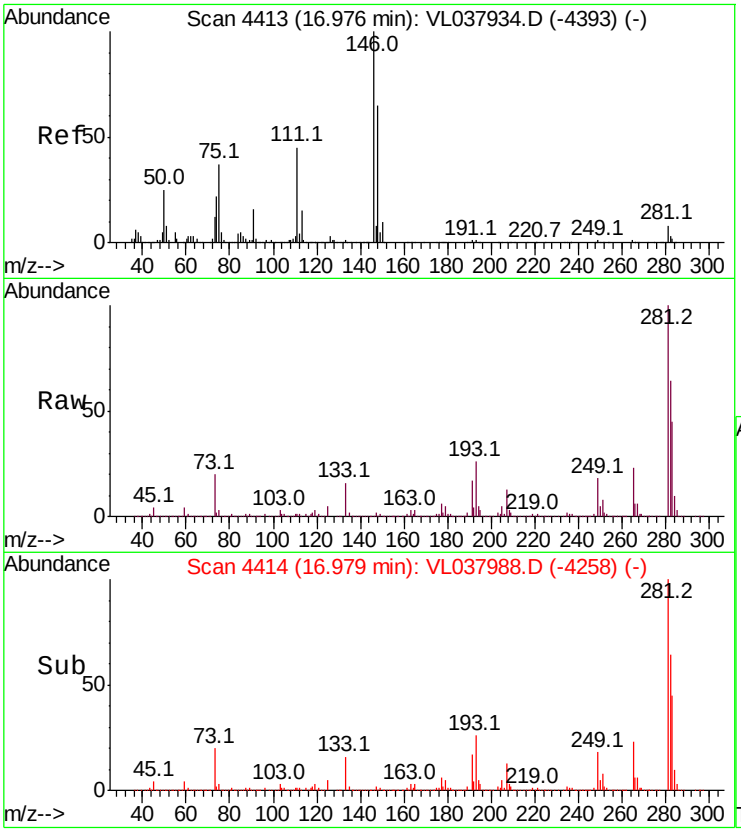


#65
tert-Butylbenzene
Concen: 1.307 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.24 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion:119 Resp: 541638

Ion	Ratio	Lower	Upper
119	100		
91	0.2	61.8	92.6#
134	19.7	16.6	25.0



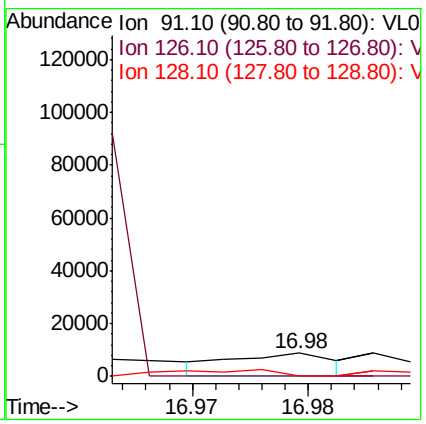


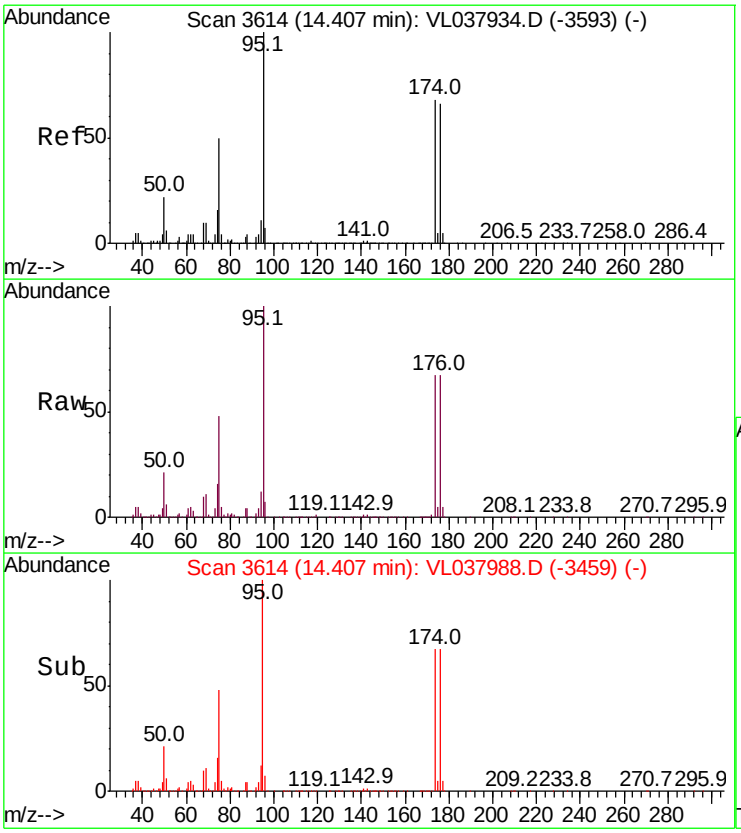
#66
Benzyl Chloride
Concen: 0.253 ppbv
RT: 16.98
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 5489

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.8	20.6#
128	0.0	5.1	7.7#

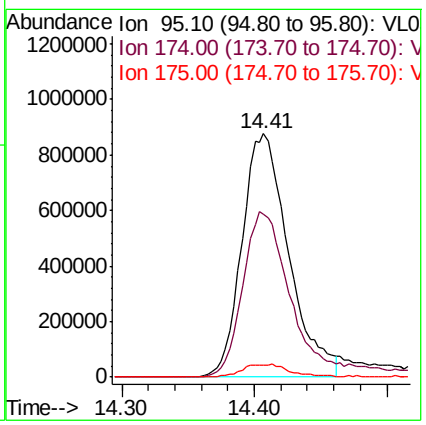


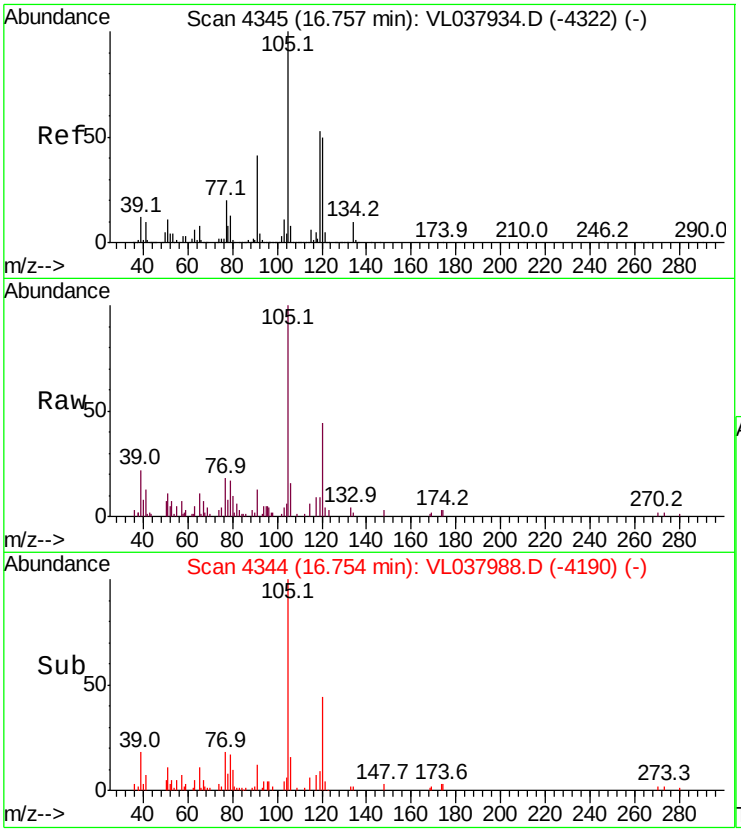


#68
1-Bromo-4-Fluorobenzene
Concen: 9.112 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.00 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 95 Resp: 2141023

Ion	Ratio	Lower	Upper
95	100		
174	76.5	58.3	87.5
175	5.4	4.6	6.8





#74
1,2,4-Trimethylbenzene
Concen: 0.047 ppbv
RT: 16.75
Delta R.T
Lab File:
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 17431

Ion	Ratio	Lower	Upper
105	100		
120	42.7	40.0	60.0
91	10.0	32.6	49.0#
77	10.4	15.8	23.8#