Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050522\
Data File : VL038970.D
Acq On : 5 May 2022 13:20
Operator : SY/AP
Sample : N2682-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 06 07:27:50 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 07:41:27 2022
QLast Update : Thu May 05 07:41:27 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1286942	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3009428	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2557190	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2062000	10.18	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	24697	0.122	ppbv	#	87
3) Chlorodifluoromethane	2.99	51	263303	1.649	ppbv	#	87
4) Chloromethane	3.14	50	10735	0.134	ppbv		92
9) Propene	3.01	41	7635	0.109	ppbv	#	1
10) Heptane	8.11	43	5722	0.033	ppbv	#	66
13) Ethanol	3.60	45	89684	16.468	ppbv	#	36
15) Acetone	3.85	43	317359	2.614	ppbv		99
16) 1,3-Butadiene	3.32	39	2927	0.042	ppbv	#	1
17) tert-Butyl alcohol	4.29	59	8285	0.089	ppbv	#	70
19) Isopropyl Alcohol	3.96	45	743294	12.878	ppbv	#	98
20) Methylene Chloride	4.34	84	416283	9.098	ppbv		99
25) Ethyl Acetate	5.68	43	374004	1.287	ppbv	#	78
26) Hexane	5.68	57	533010	4.129	ppbv	#	40
34) 2-Butanone	5.24	43	14519	0.095	ppbv	#	1
36) Benzene	6.88	78	33487	0.130	ppbv		98
39) 1,2-Dichloropropane	7.16	63	846873	8.451	ppbv	#	27
41) Tetrahydrofuran	6.06	42	7934	0.077	ppbv	#	36
43) Methyl Methacrylate	8.01	69	141022	1.349	ppbv		91
53) Toluene	9.79	91	69092	0.239	ppbv		98
58) Ethyl Benzene	12.69	91	11568	0.031	ppbv		99
74) 1,2,4-Trimethylbenzene	16.74	105	32192	0.097	ppbv	#	55

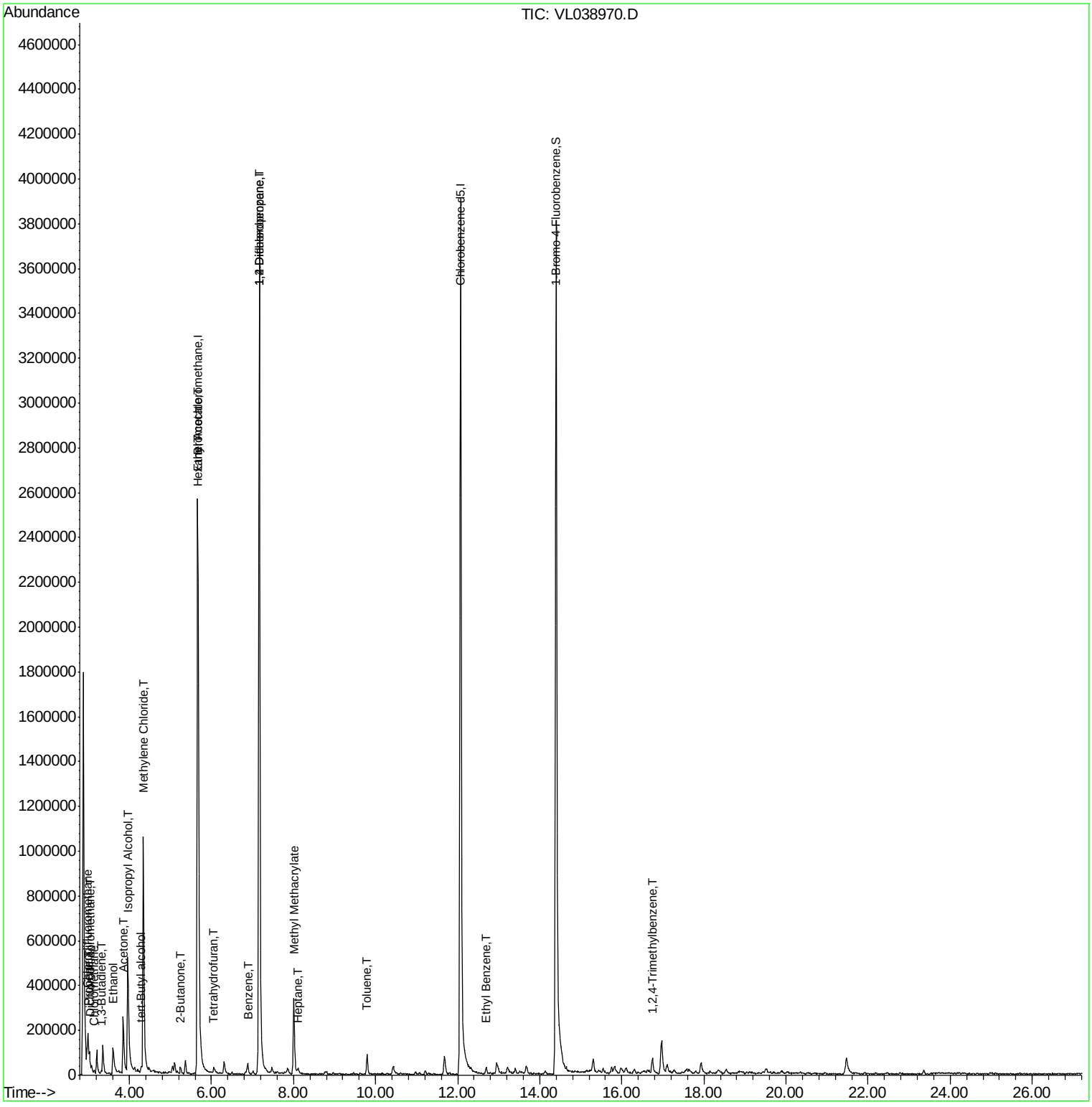
(#) = qualifier out of range (m) = manual integration (+) = signals summed

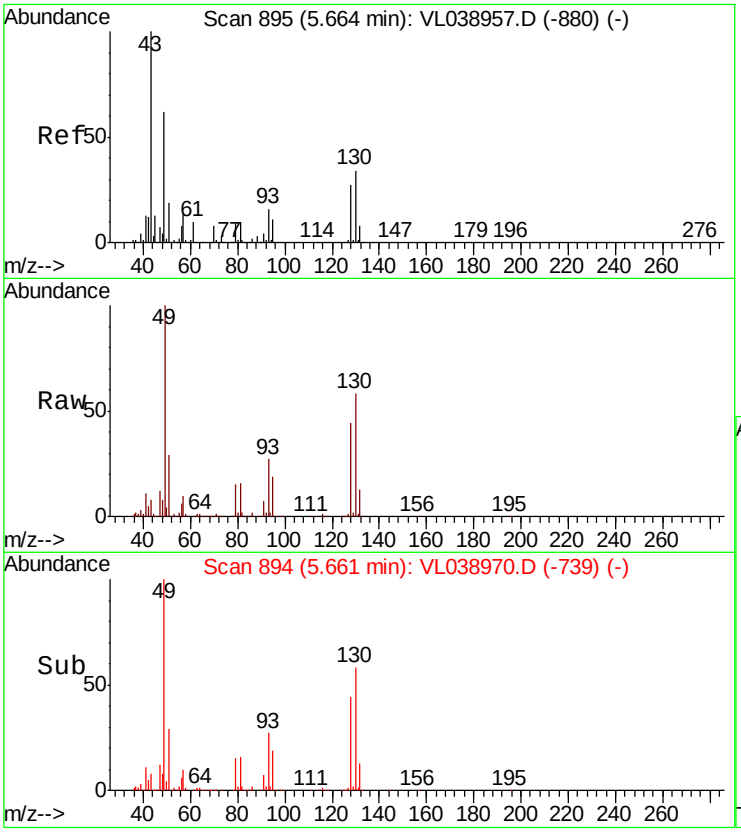
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050522\
Data File : VL038970.D
Acq On : 5 May 2022 13:20
Operator : SY/AP
Sample : N2682-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 06 07:27:50 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 07:41:27 2022
QLast Update : Thu May 05 07:41:27 2022
Response via : Initial Calibration



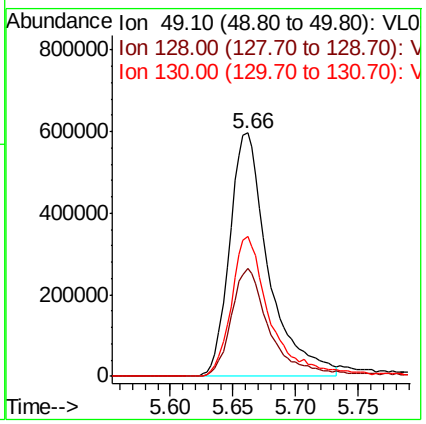


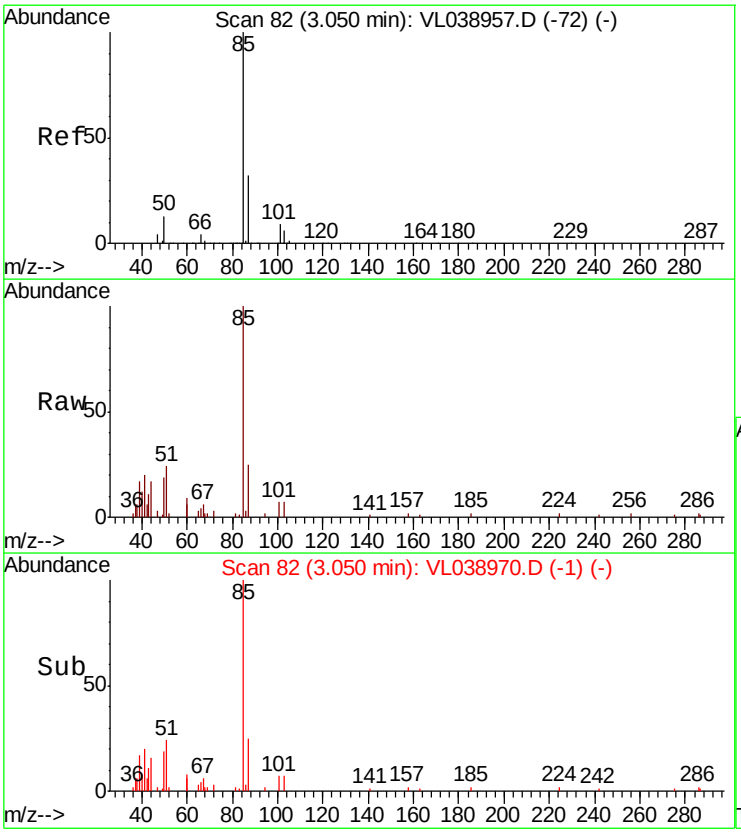
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1286942

Ion	Ratio	Lower	Upper
49	100		
128	45.2	23.3	69.8
130	59.5	29.8	89.3

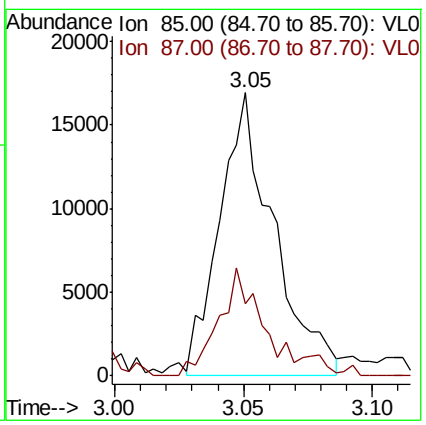


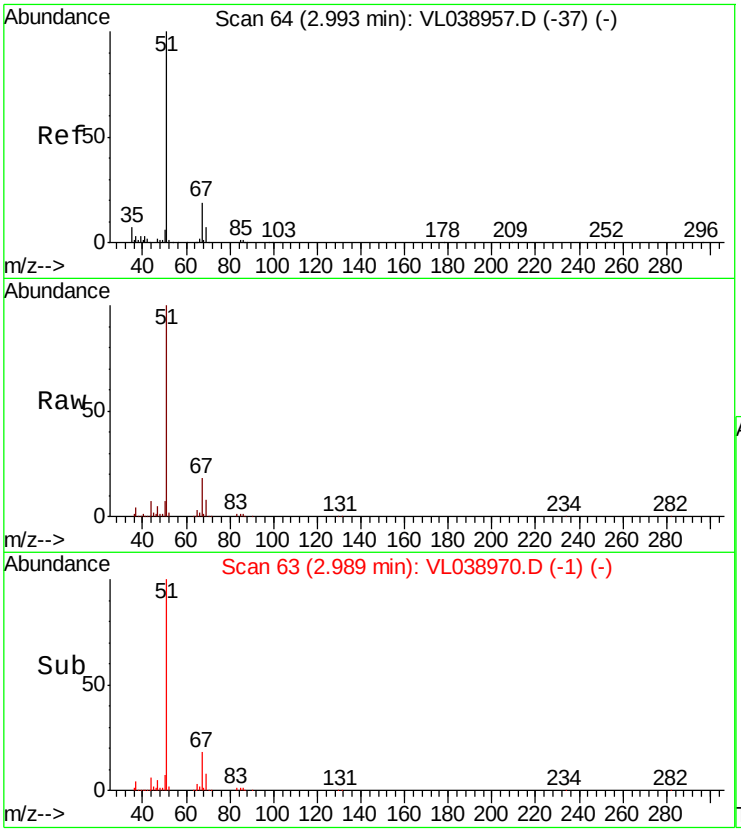


#2
Dichlorodifluoromethane
Concen: 0.122 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.00 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 85 Resp: 24697

Ion	Ratio	Lower	Upper
85	100		
87	24.7	25.7	38.5#



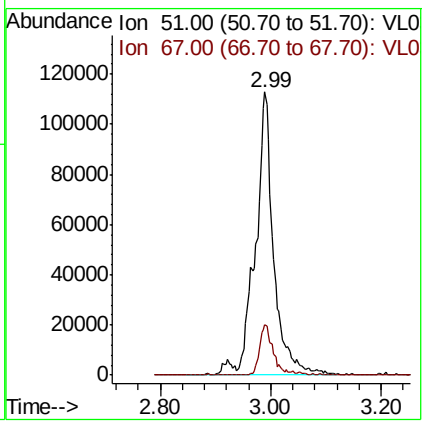


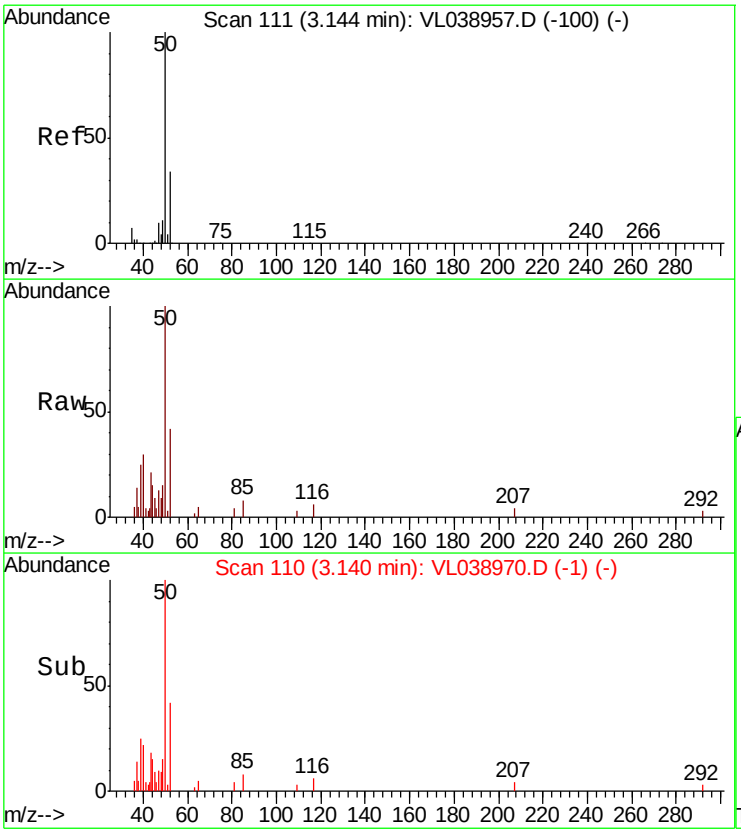
#3
Chlorodifluoromethane
Concen: 1.649 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 263303

Ion	Ratio	Lower	Upper
51	100		
67	13.6	15.8	23.8#

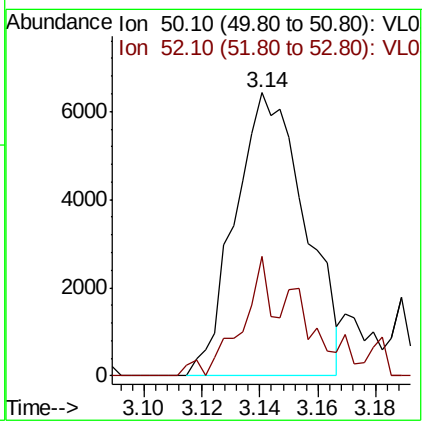


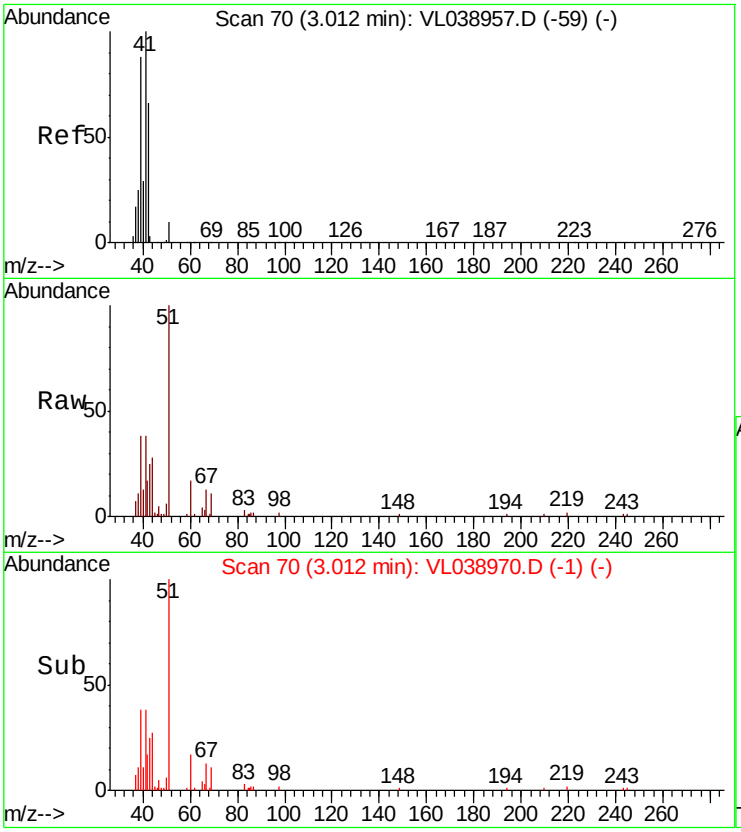


#4
Chloromethane
Concen: 0.134 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 50 Resp: 10735

Ion	Ratio	Lower	Upper
50	100		
52	38.9	27.3	40.9



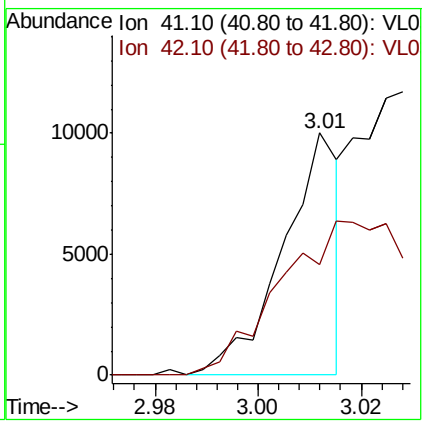


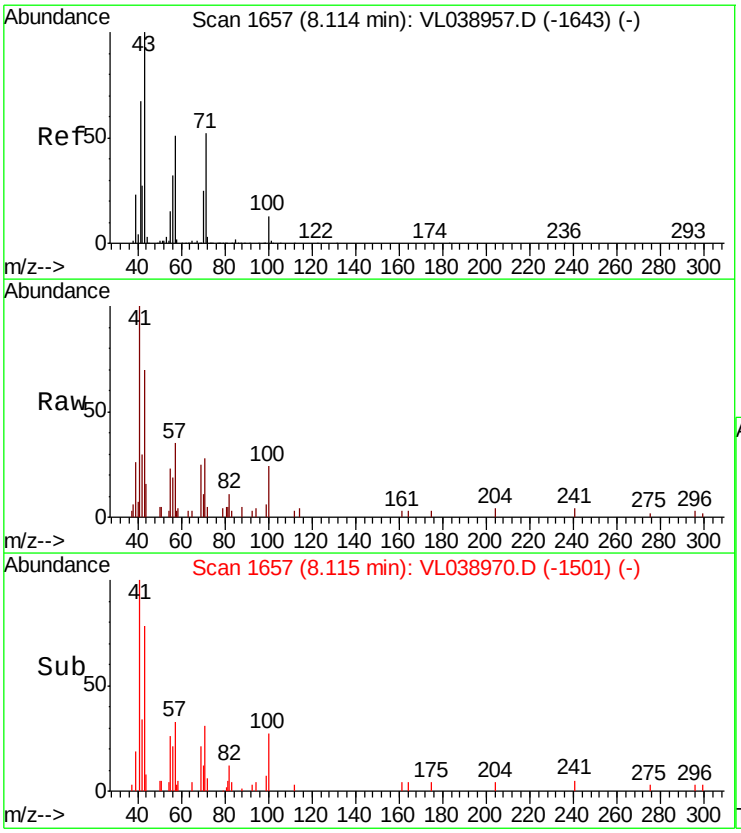
#9
Propene
Concen: 0.109 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 7635

Ion	Ratio	Lower	Upper
41	100		
42	184.7	58.3	87.5#

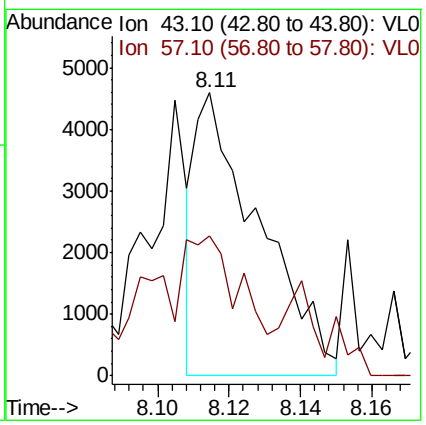


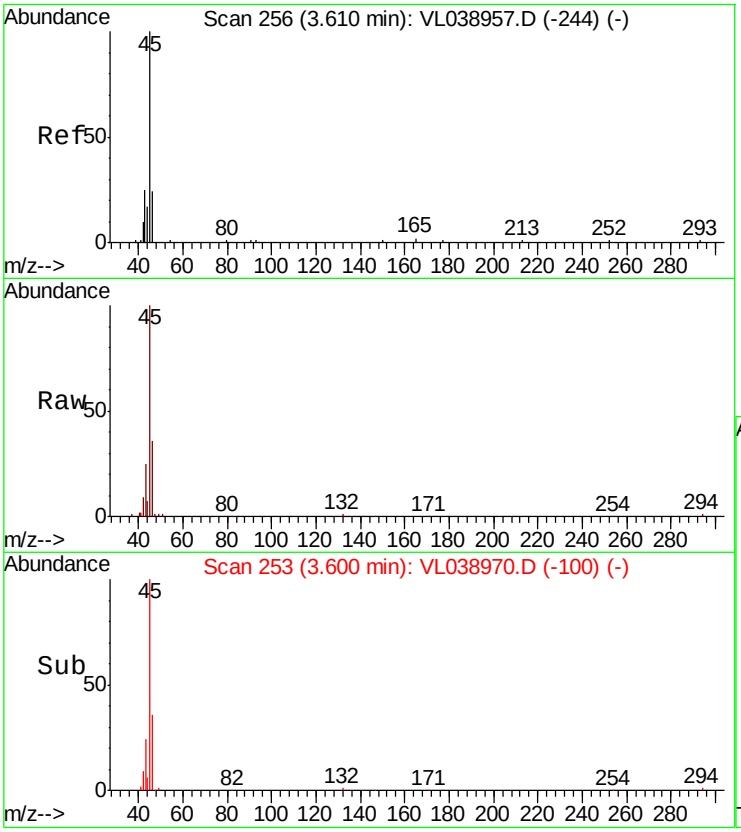


#10
Heptane
Concen: 0.033 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 43 Resp: 5722

Ion	Ratio	Lower	Upper
43	100		
57	74.3	40.5	60.7#



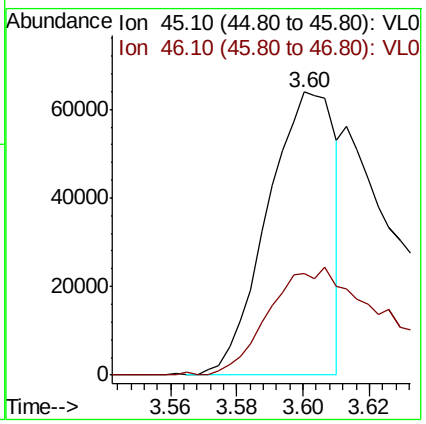


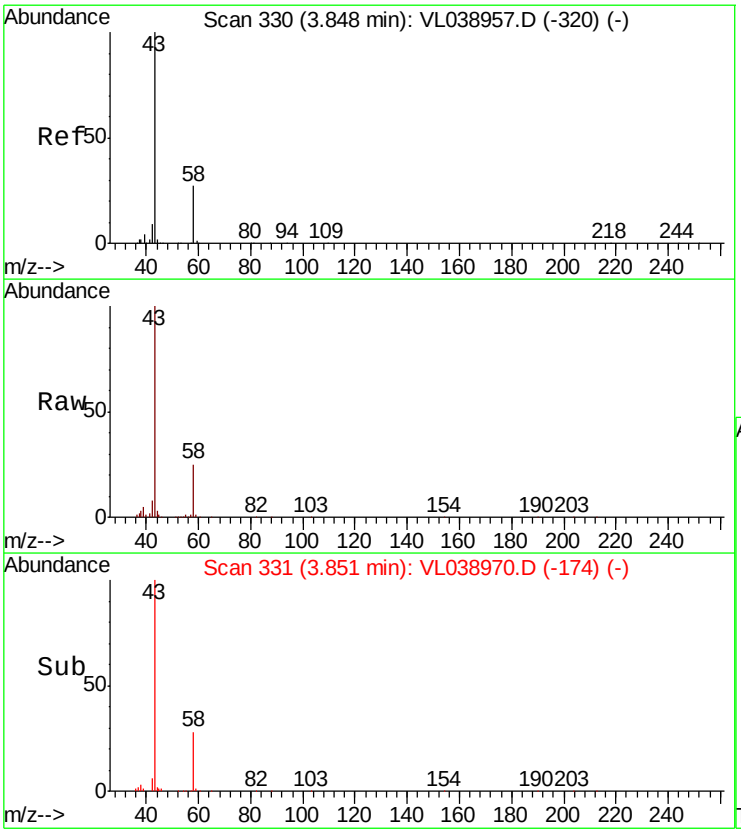
#13
Ethanol
Concen: 16.468 ppbv
RT: 3.60
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 89684

Ion	Ratio	Lower	Upper
45	100		
46	86.9	18.0	72.2#

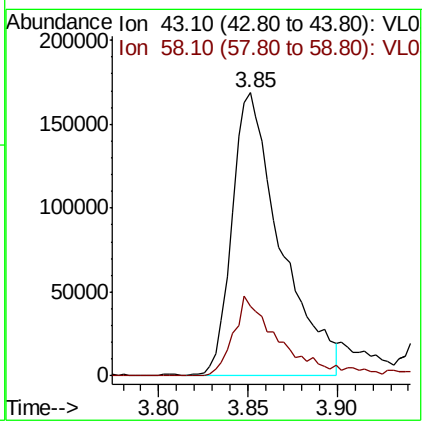


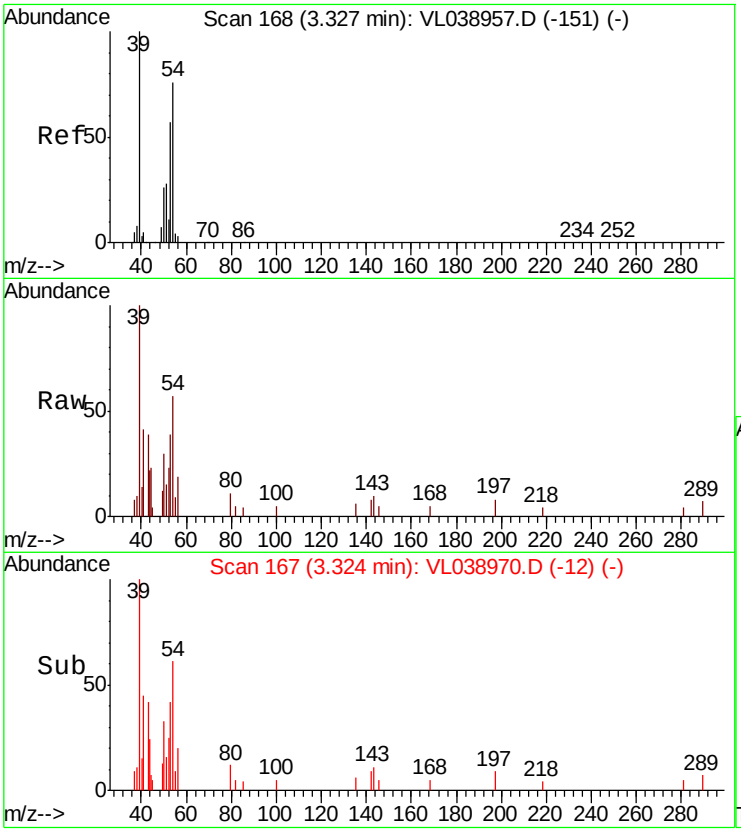


#15
Acetone
Concen: 2.614 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 43 Resp: 317359

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.3	31.9



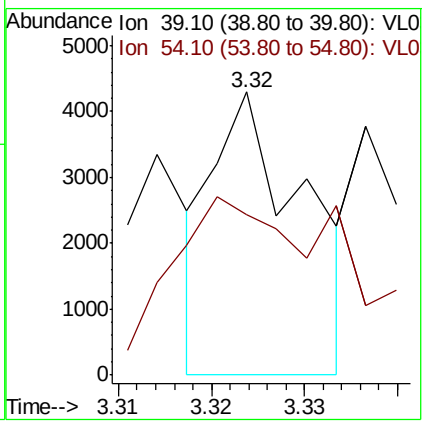


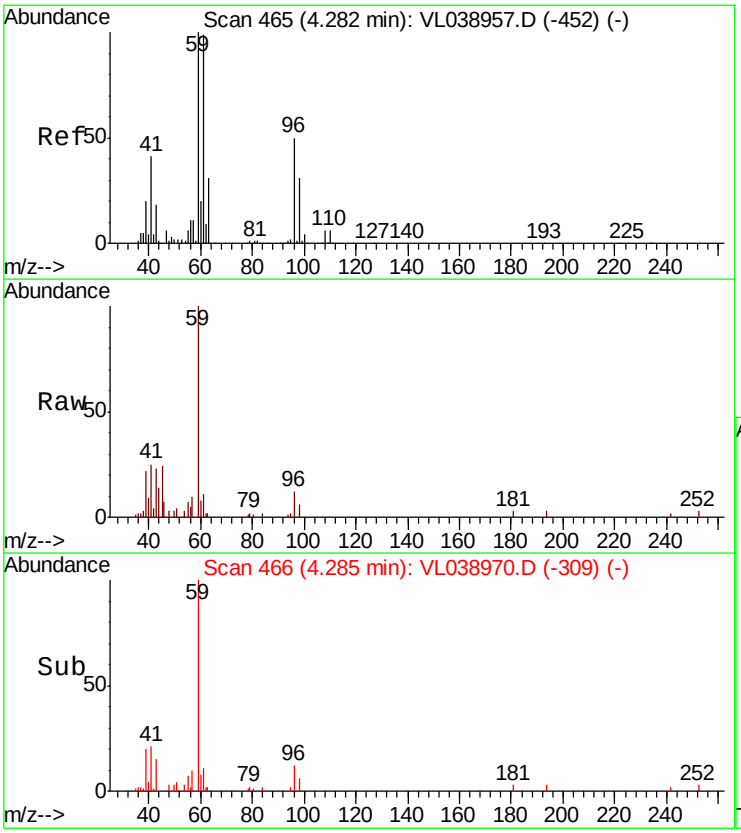
#16
1,3-Butadiene
Concen: 0.042 ppbv
RT: 3.32
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 2927

Ion	Ratio	Lower	Upper
39	100		
54	177.9	65.2	97.8#

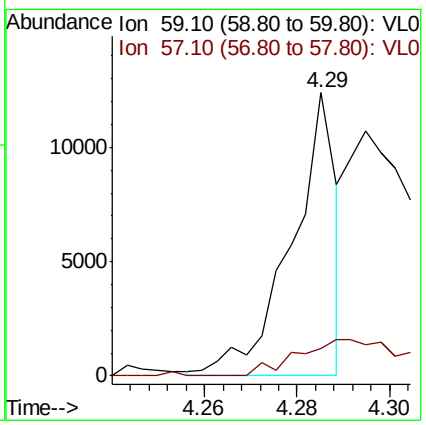


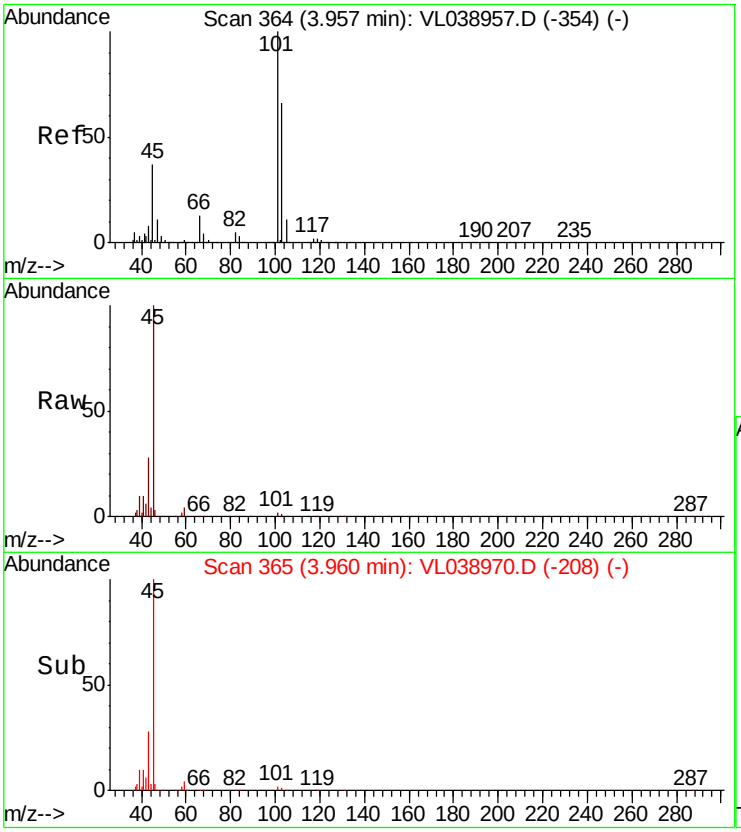


#17
tert-Butyl alcohol
Concen: 0.089 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 59 Resp: 8285

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.2	13.8#



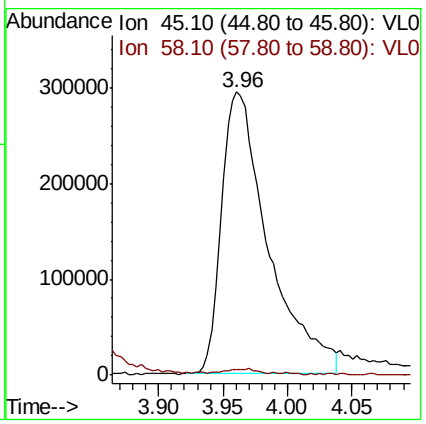


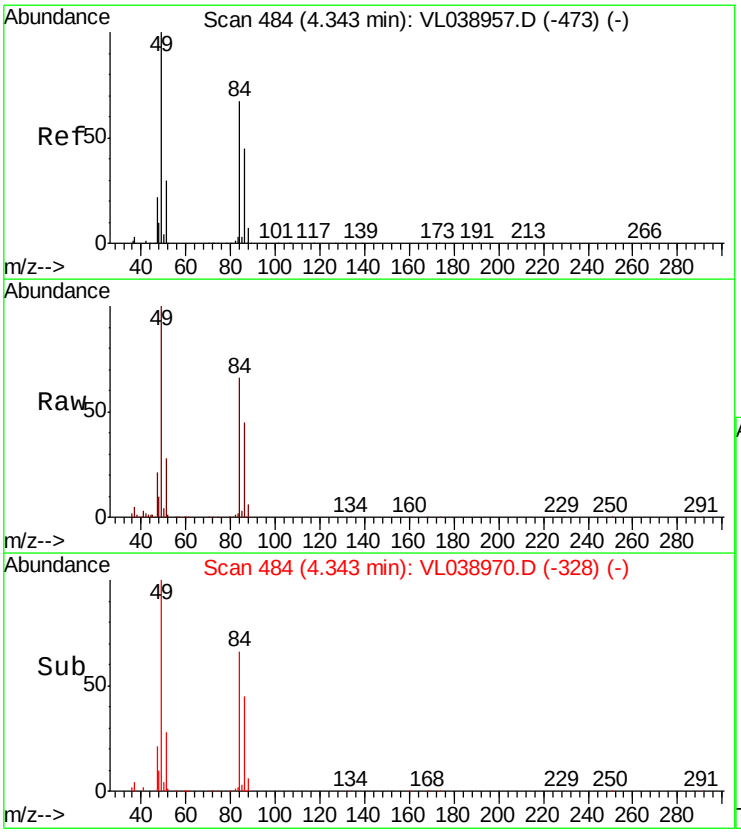
#19
Isopropyl Alcohol
Concen: 12.878 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 743294

Ion	Ratio	Lower	Upper
45	100		
58	2.7	1.4	2.2#

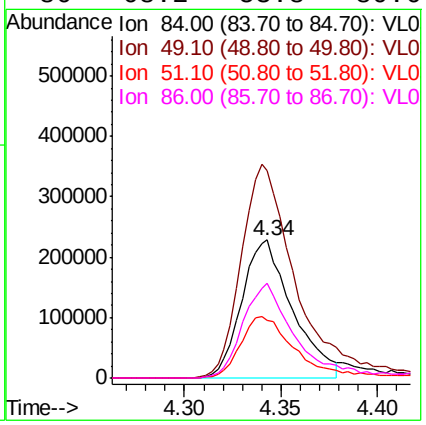


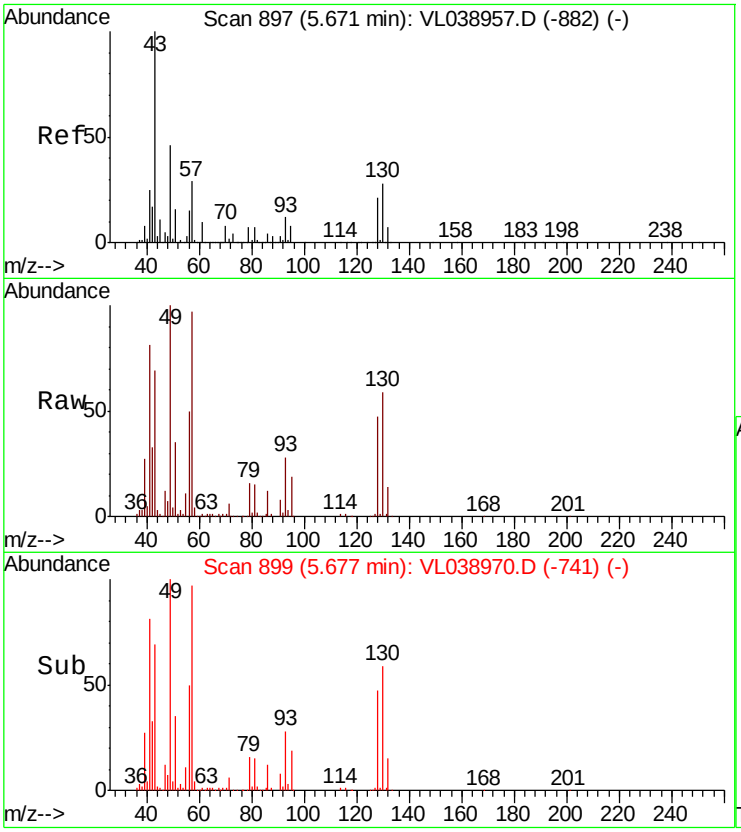


#20
Methylene Chloride
Concen: 9.098 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 84 Resp: 416283

Ion	Ratio	Lower	Upper
84	100		
49	150.4	119.9	179.9
51	41.9	35.7	53.5
86	68.2	53.8	80.6



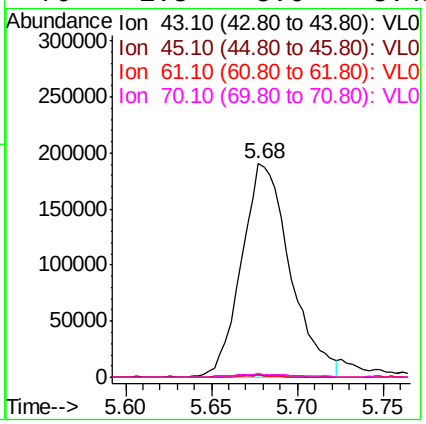


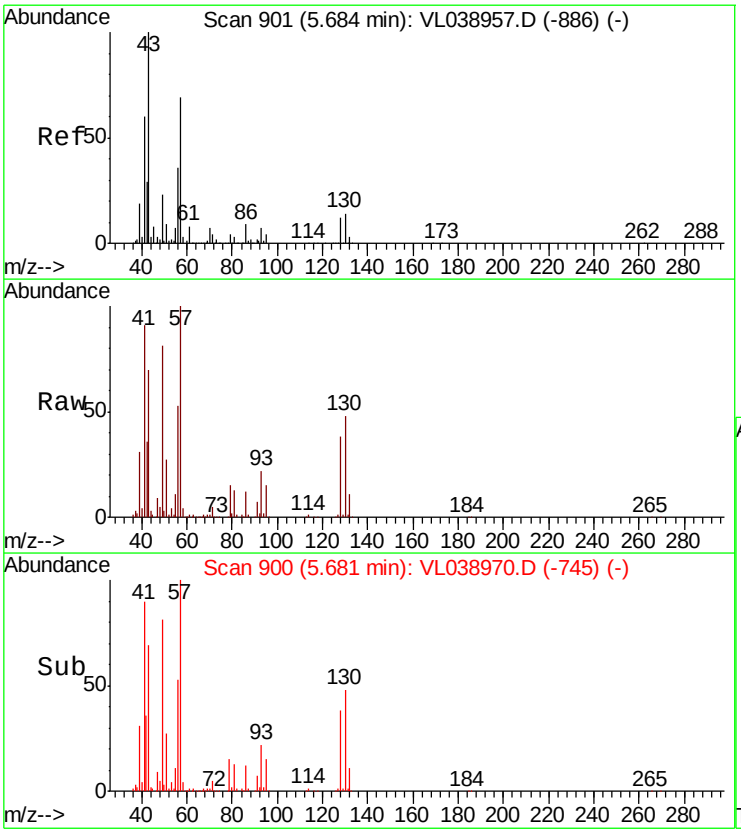
#25
Ethyl Acetate
Concen: 1.287 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 374004

Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.1	12.1#
61	0.8	7.8	11.6#
70	1.8	5.6	8.4#

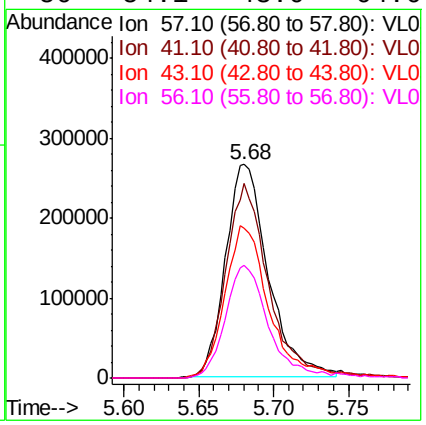


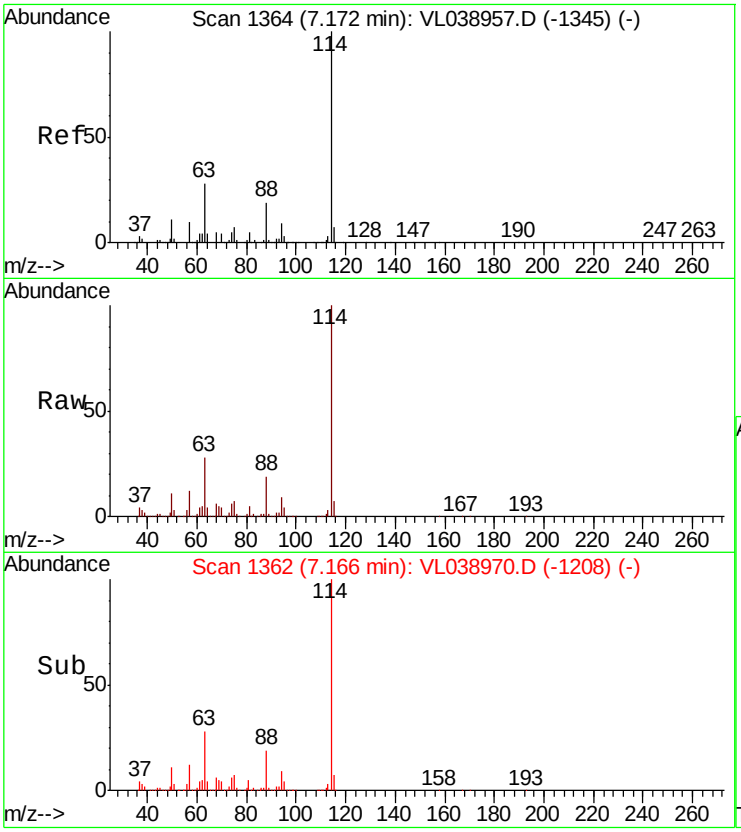


#26
Hexane
Concen: 4.129 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 57 Resp: 533010

Ion	Ratio	Lower	Upper
57	100		
41	92.2	75.2	112.8
43	75.0	190.8	286.2#
56	54.1	43.0	64.6



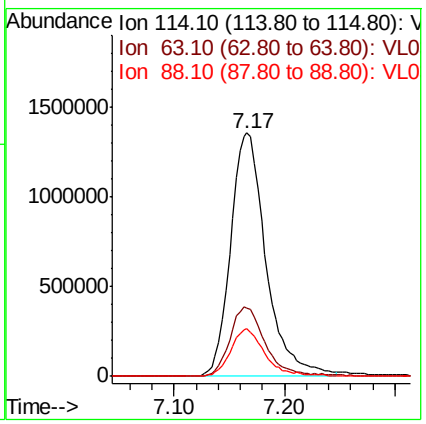


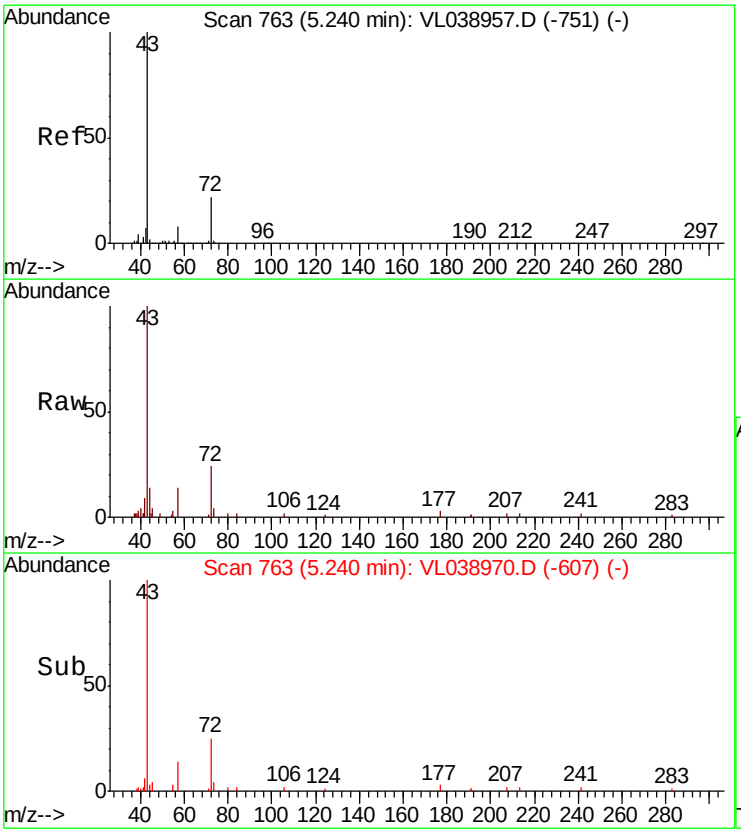
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3009428

Ion	Ratio	Lower	Upper
114	100		
63	29.0	22.6	33.8
88	19.3	15.4	23.0

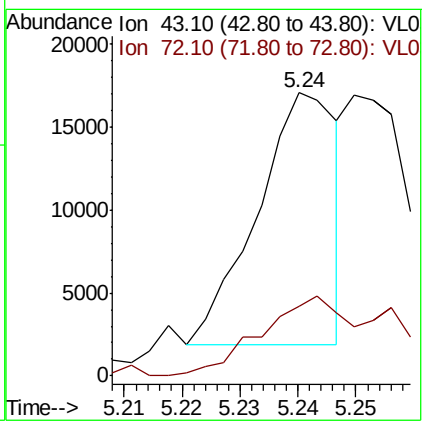


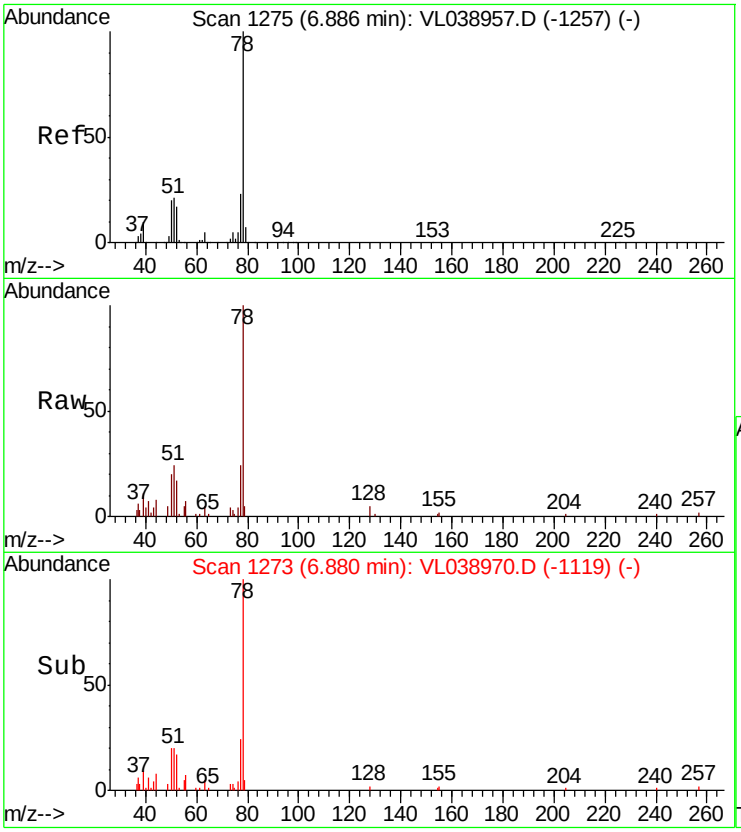


#34
2-Butanone
Concen: 0.095 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.00 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 43 Resp: 14519

Ion	Ratio	Lower	Upper
43	100		
72	72.5	17.8	26.6#



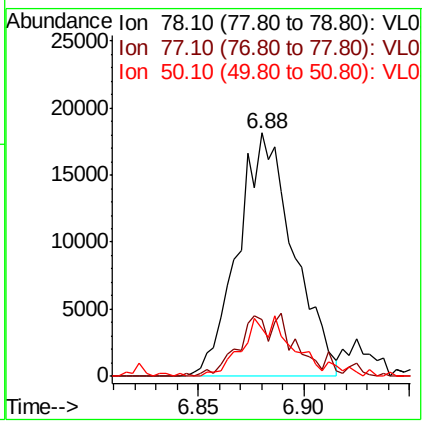


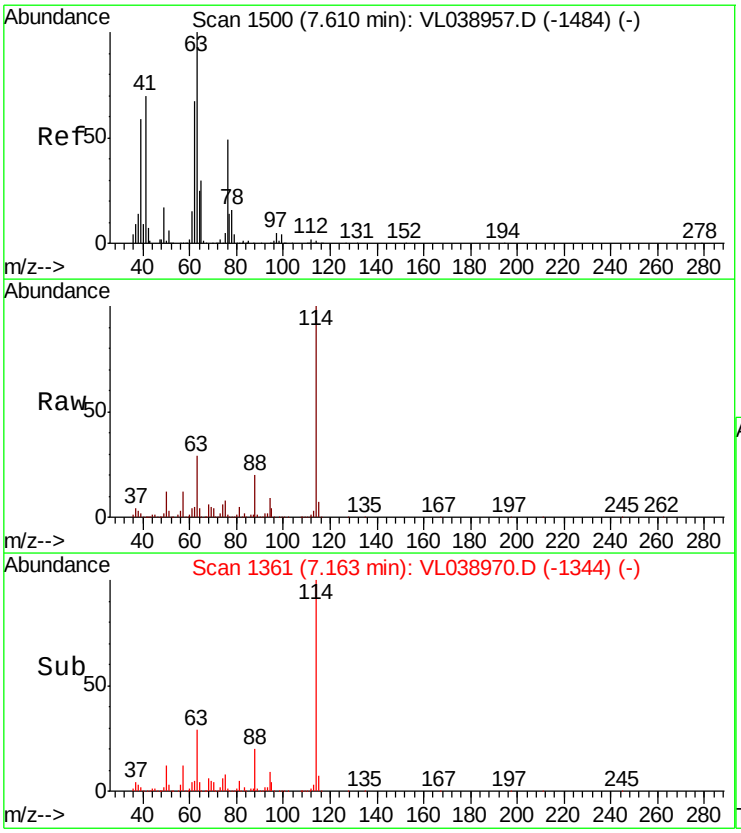
#36
Benzene
Concen: 0.130 ppbv
RT: 6.88
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 33487

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.6	28.0
50	19.8	15.6	23.4

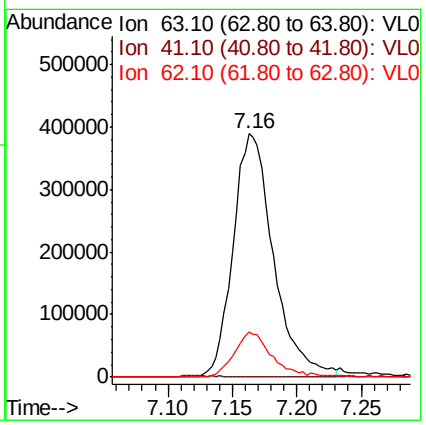


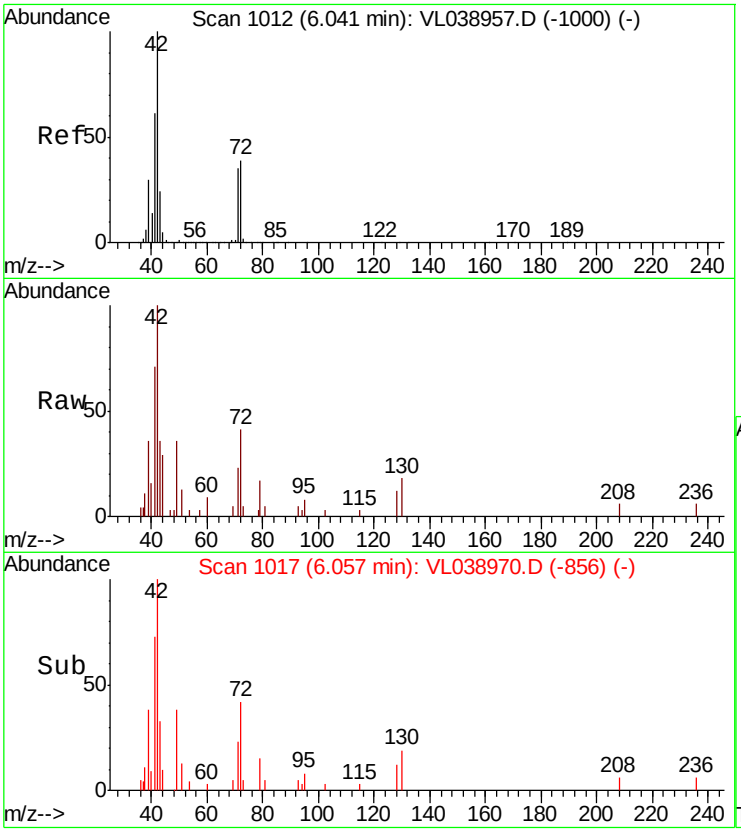


#39
1,2-Dichloropropane
Concen: 8.451 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.45 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 63 Resp: 846873

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	18.5	53.8	80.6#



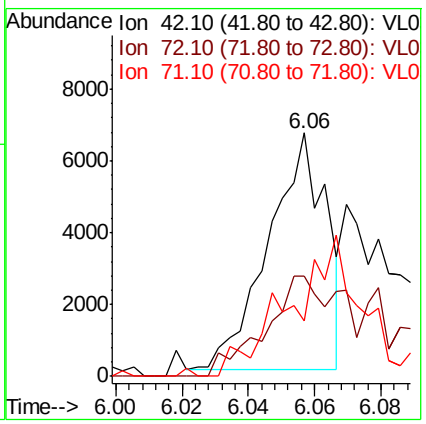


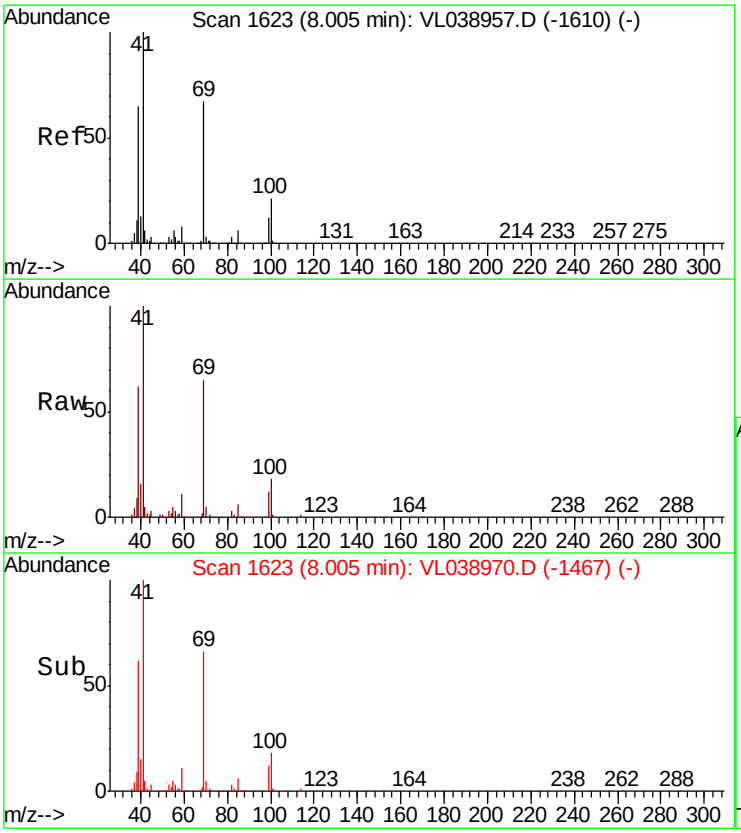
#41
Tetrahydrofuran
Concen: 0.077 ppbv
RT: 6.06
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 7934

Ion	Ratio	Lower	Upper
42	100		
72	79.8	31.8	47.6#
71	0.0	30.6	45.8#

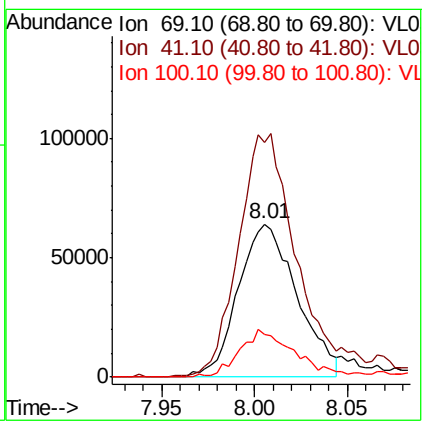


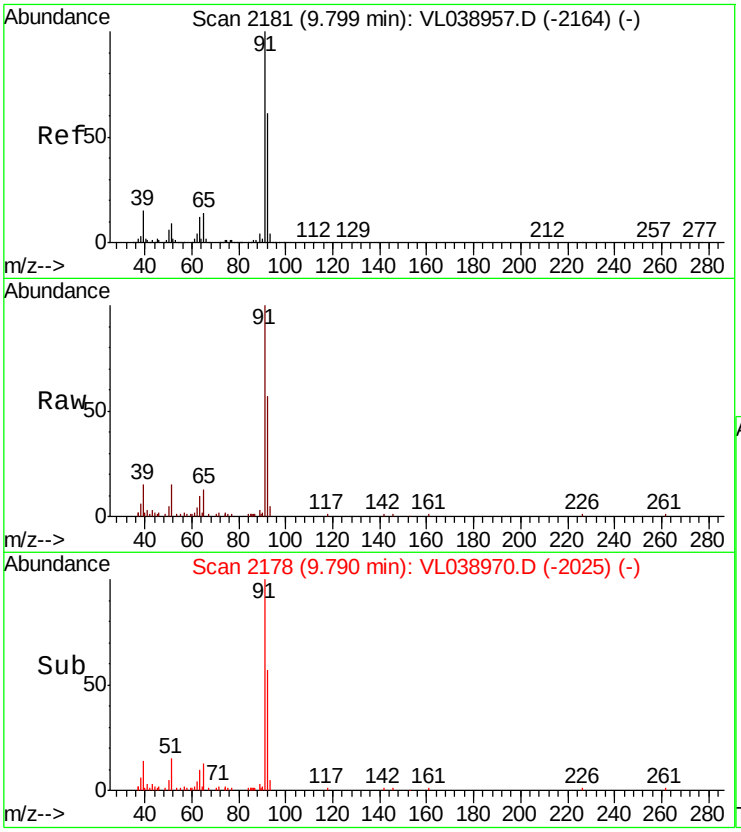


#43
Methyl Methacrylate
Concen: 1.349 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 69 Resp: 141022

Ion	Ratio	Lower	Upper
69	100		
41	165.6	121.9	182.9
100	31.3	24.6	36.8



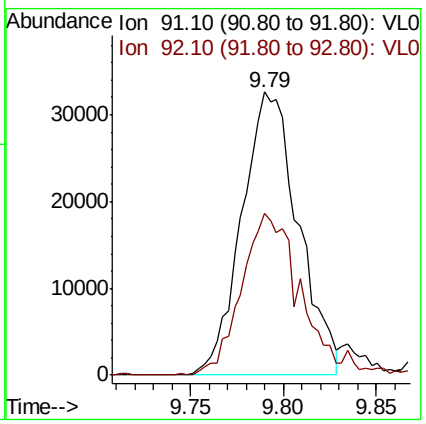


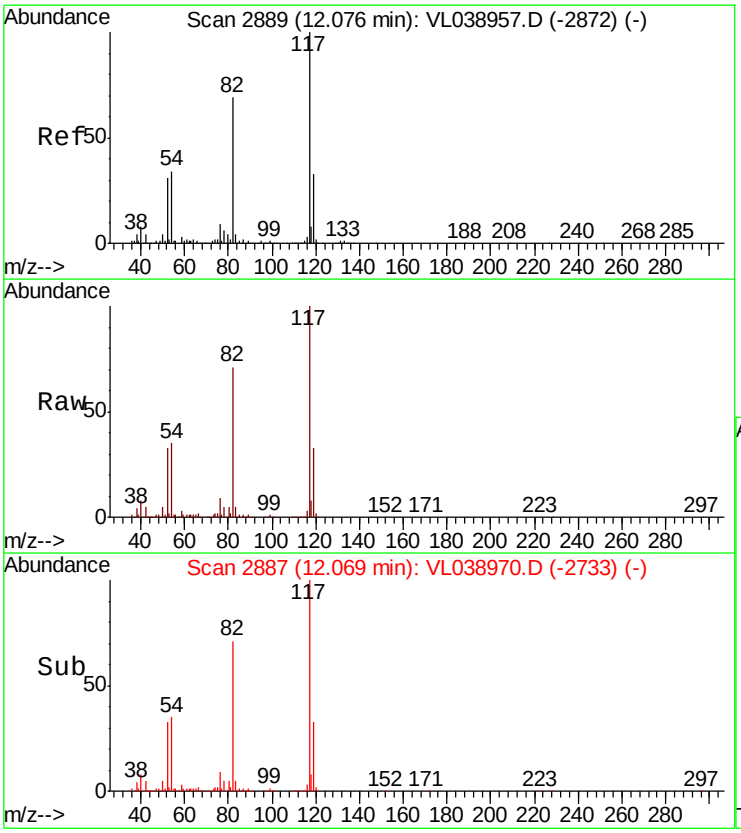
#53
Toluene
Concen: 0.239 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 69092

Ion	Ratio	Lower	Upper
91	100		
92	61.8	48.2	72.2

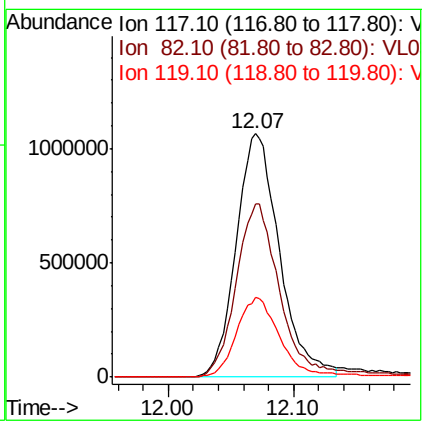


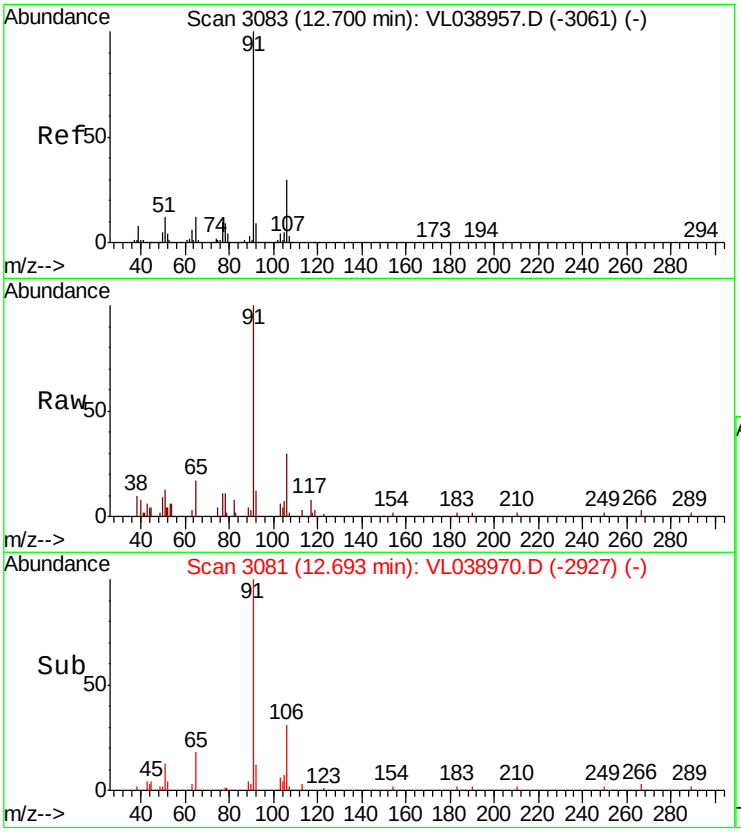


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion:117 Resp: 2557190

Ion	Ratio	Lower	Upper
117	100		
82	75.9	57.0	85.6
119	34.1	27.2	40.8



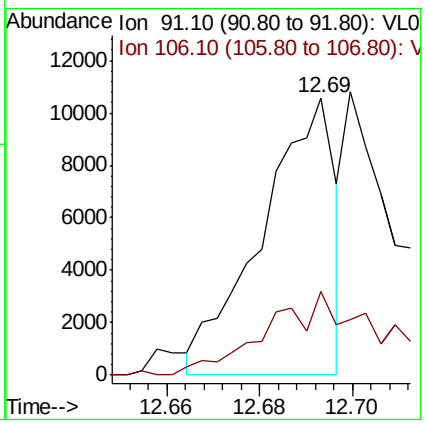


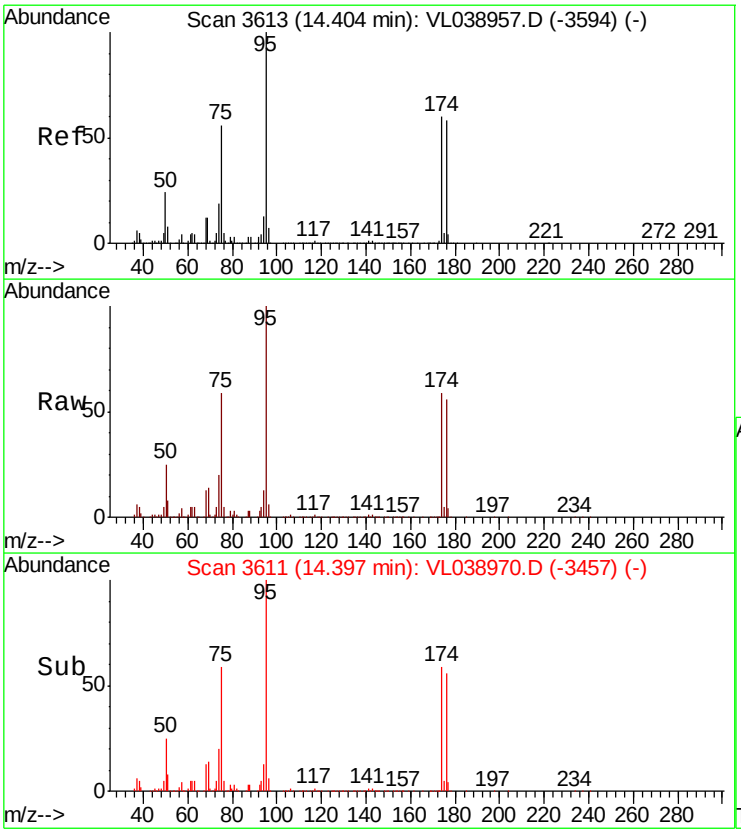
#58
Ethyl Benzene
Concen: 0.031 ppbv
RT: 12.69
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 11568

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.4

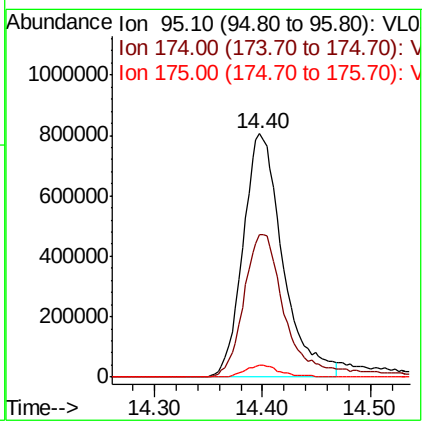


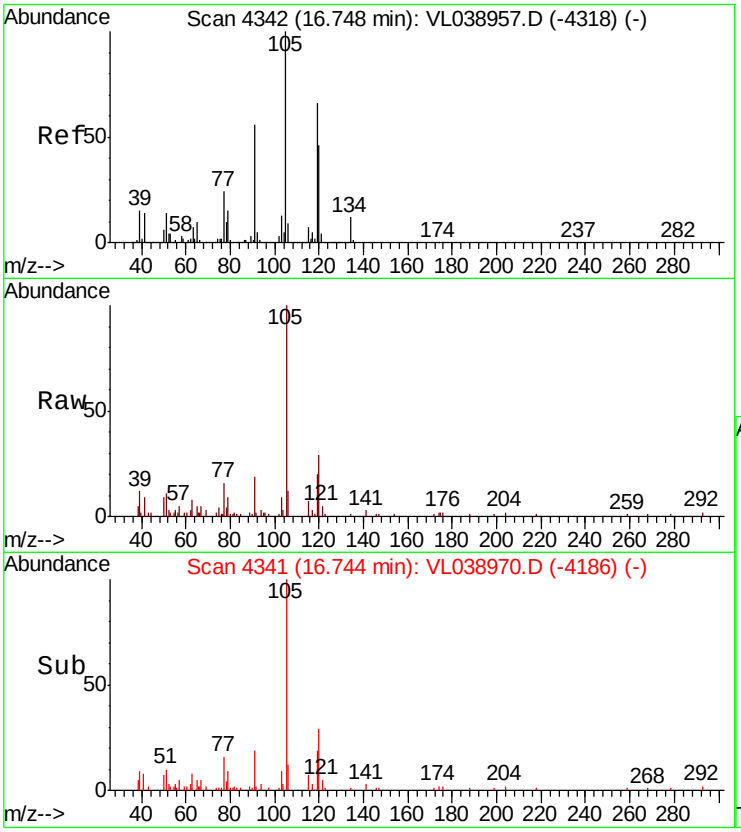


#68
1-Bromo-4-Fluorobenzene
Concen: 10.182 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.01 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 95 Resp: 2062000

Ion	Ratio	Lower	Upper
95	100		
174	64.3	50.8	76.2
175	4.5	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.097 ppbv
RT: 16.74
Delta R.T
Lab File:
Acq: 5 May 2022 13:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 32192

Ion	Ratio	Lower	Upper
105	100		
120	26.5	36.9	55.3#
91	8.5	45.0	67.4#
77	11.2	19.2	28.8#