Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051322\
Data File : VL039044.D
Acq On : 13 May 2022 19:42
Operator : SY/AP
Sample : N2812-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Quant Time: May 14 00:54:15 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	950022	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2304083	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1925572	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1446725	9.49	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.90%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.96	51	23909	0.203	ppbv #	78
4) Chloromethane	3.13	50	4565	0.077	ppbv #	72
9) Propene	3.01	41	32064	0.623	ppbv #	68
10) Heptane	8.10	43	9067	0.072	ppbv #	69
11) Trichlorofluoromethane	3.94	101	5932	0.046	ppbv	88
13) Ethanol	3.59	45	5015992	1376.798	ppbv	88
15) Acetone	3.84	43	321630	3.589	ppbv	100
16) 1,3-Butadiene	3.29	39	1943	0.038	ppbv #	9
17) tert-Butyl alcohol	4.28	59	5621	0.082	ppbv #	19
19) Isopropyl Alcohol	3.95	45	1015640	23.836	ppbv	99
20) Methylene Chloride	4.33	84	31408	0.930	ppbv	93
23) Vinyl Acetate	5.06	43	5710	0.081	ppbv #	65
25) Ethyl Acetate	5.67	43	70716	0.330	ppbv #	86
26) Hexane	5.67	57	81204	0.852	ppbv #	46
29) Chloroform	5.73	83	31667	0.205	ppbv	95
34) 2-Butanone	5.23	43	78716	0.670	ppbv	92
39) 1,2-Dichloropropane	7.15	63	625412	8.152	ppbv #	26
41) Tetrahydrofuran	6.04	42	13441	0.170	ppbv #	69
52) Tetrachloroethene	11.20	164	1426051	20.238	ppbv	95
53) Toluene	9.79	91	25930	0.117	ppbv	88

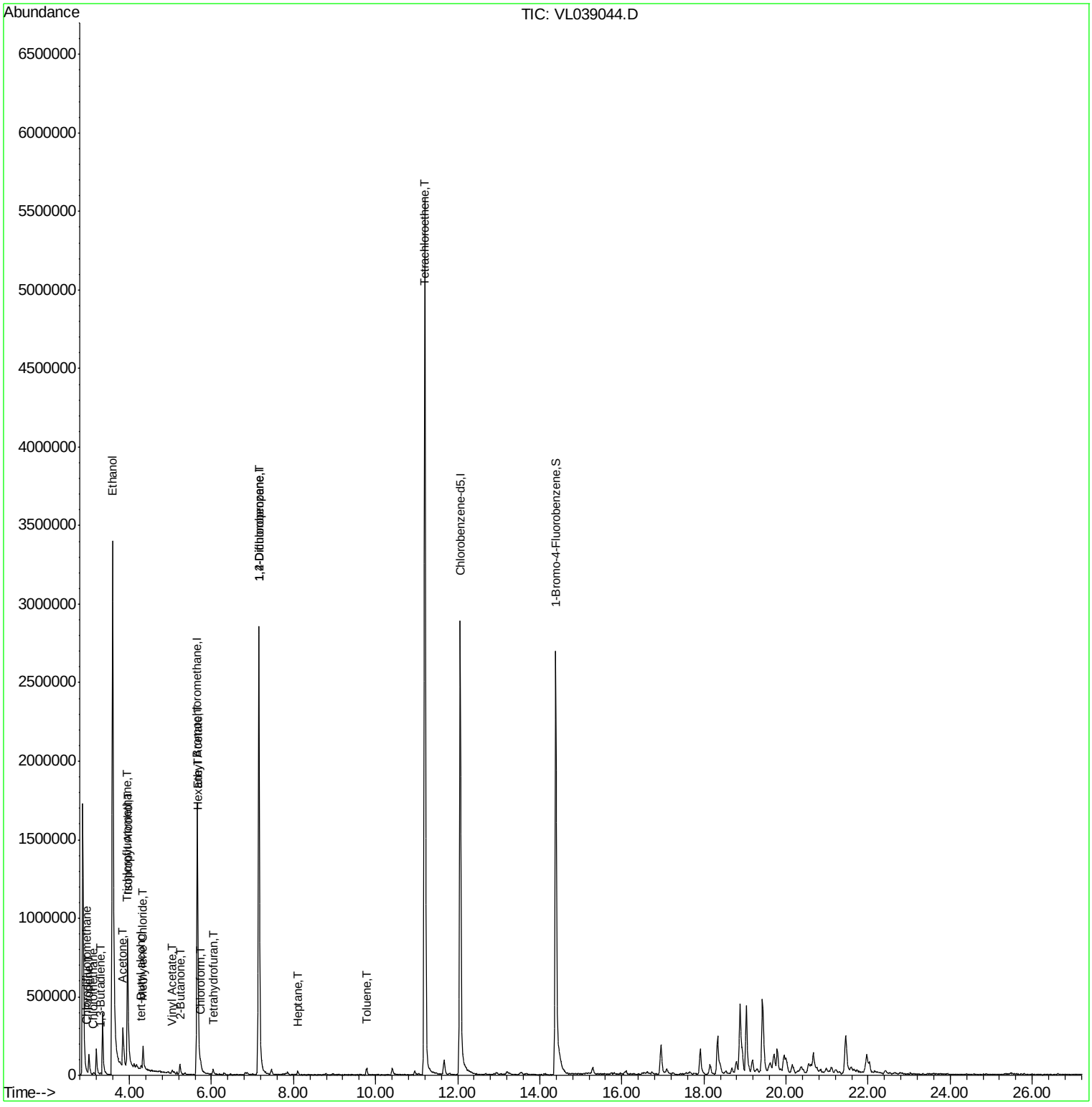
(#) = qualifier out of range (m) = manual integration (+) = signals summed

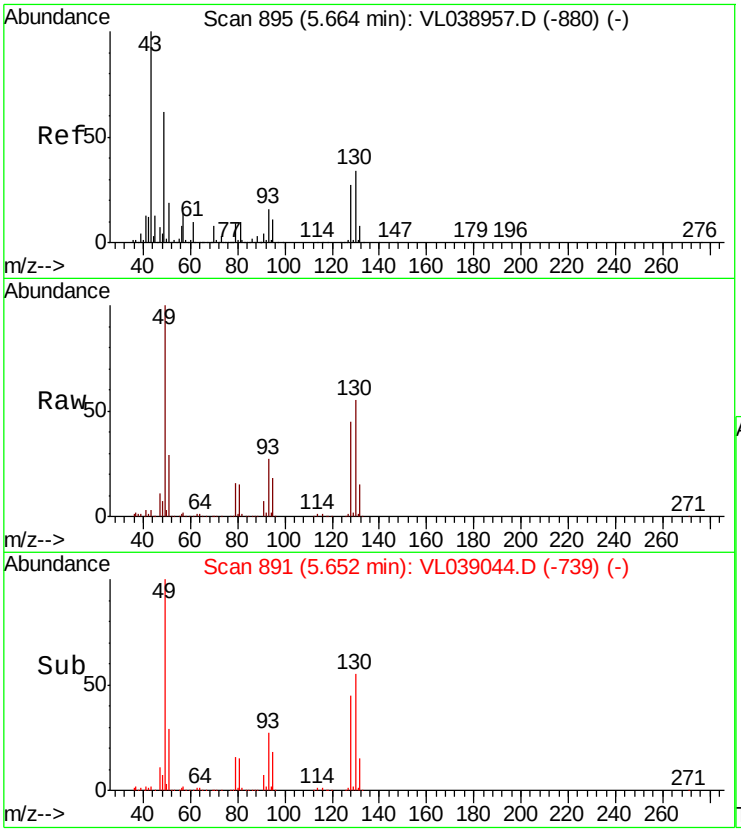
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051322\
Data File : VL039044.D
Acq On : 13 May 2022 19:42
Operator : SY/AP
Sample : N2812-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Quant Time: May 14 00:54:15 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration



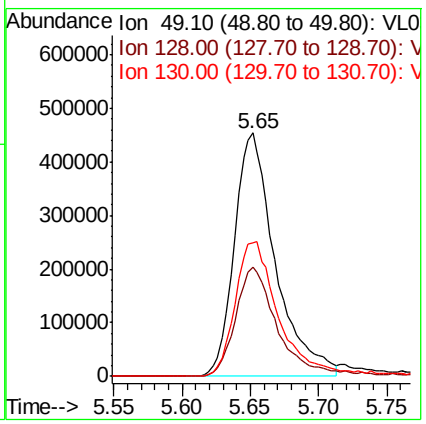


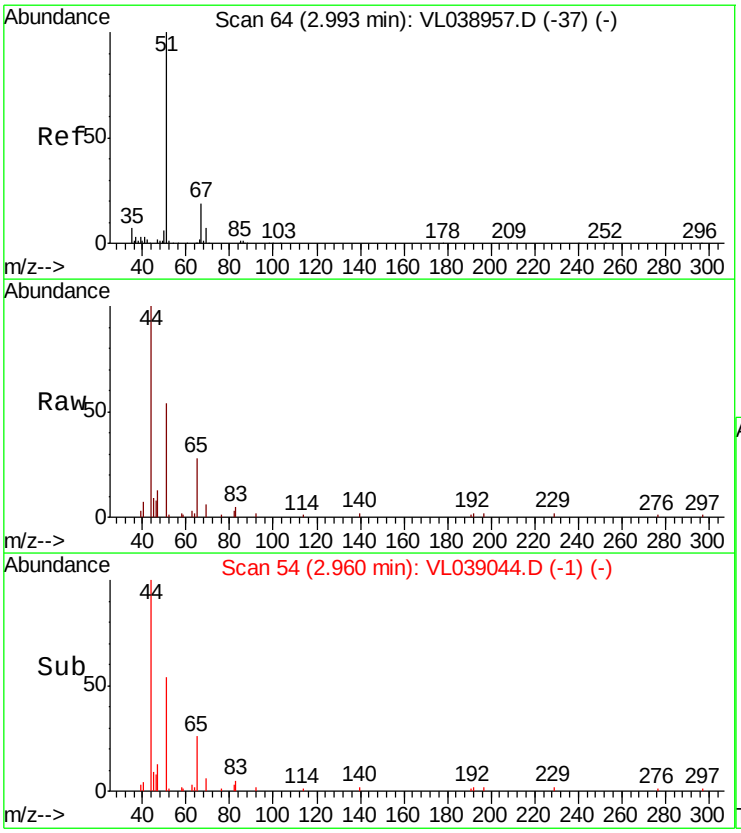
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 49 Resp: 950022

Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.3	69.8
130	60.8	29.8	89.3

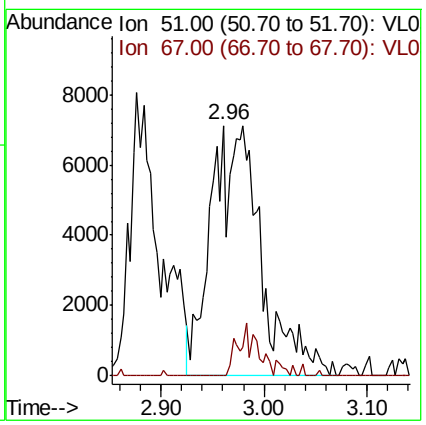


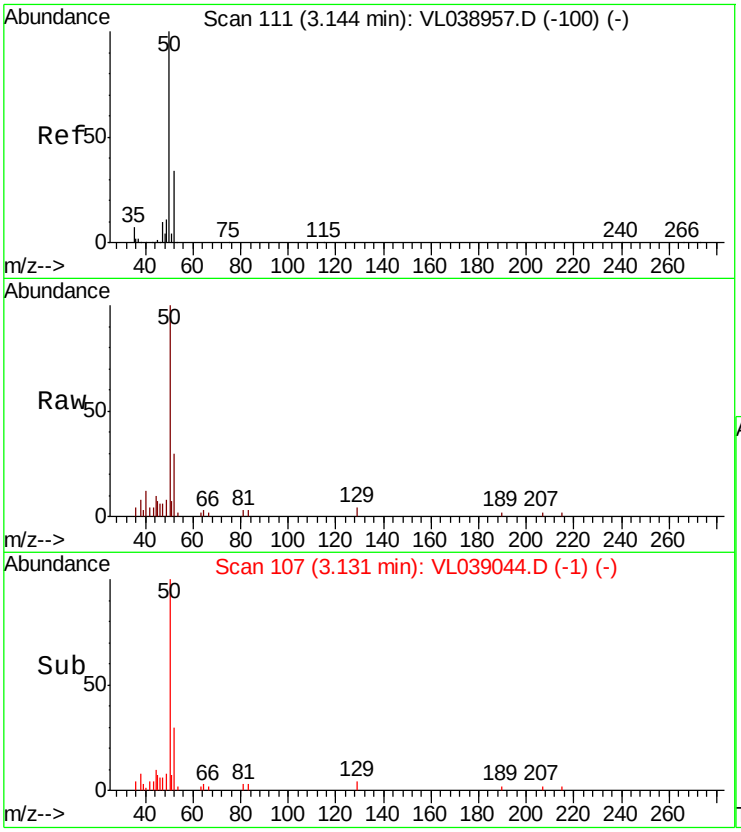


#3
Chlorodifluoromethane
Concen: 0.203 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.03 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 51 Resp: 23909

Ion	Ratio	Lower	Upper
51	100		
67	9.5	15.8	23.8#



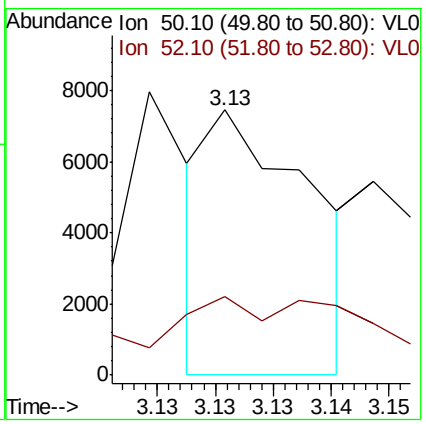


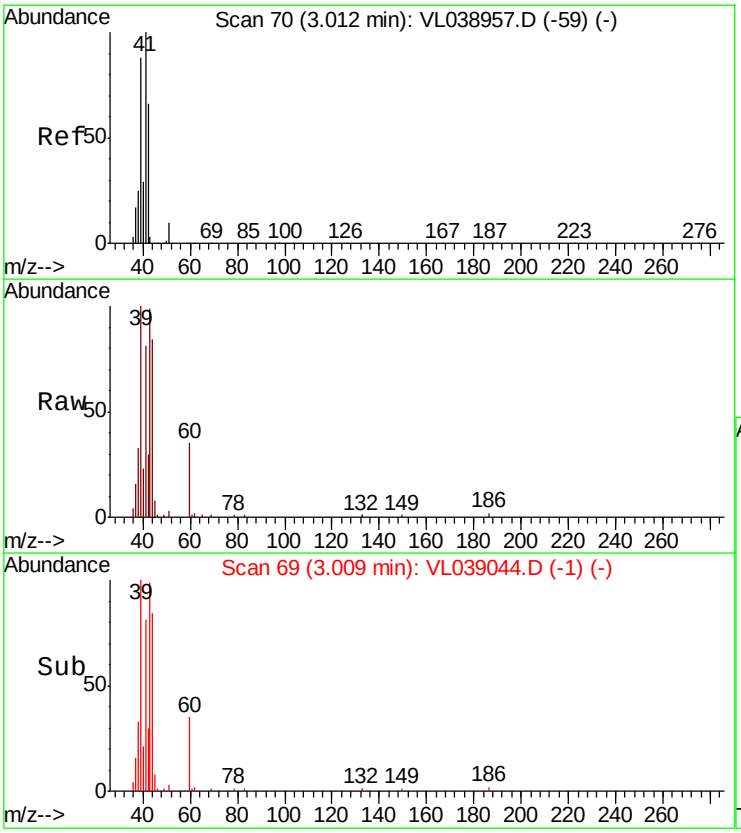
#4
Chloromethane
Concen: 0.077 ppbv
RT: 3.13
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 50 Resp: 4565

Ion	Ratio	Lower	Upper
50	100		
52	18.0	27.3	40.9#

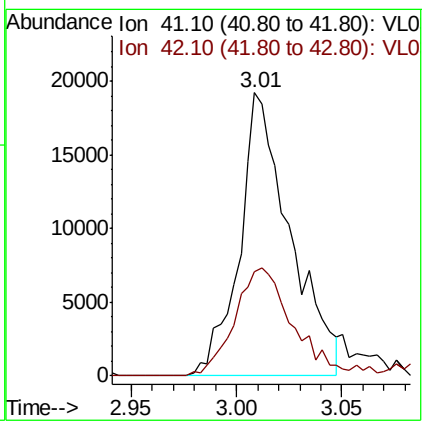


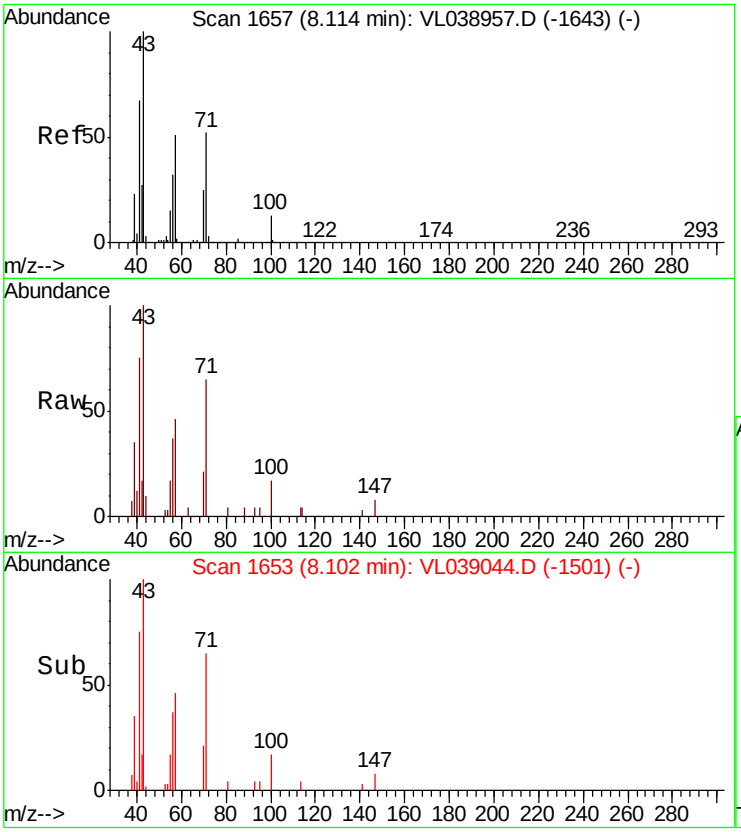


#9
Propene
Concen: 0.623 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 41 Resp: 32064

Ion	Ratio	Lower	Upper
41	100		
42	46.4	58.3	87.5#



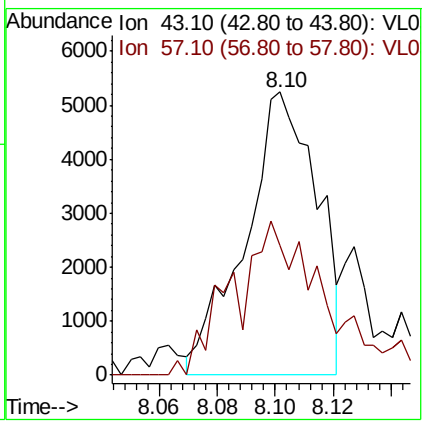


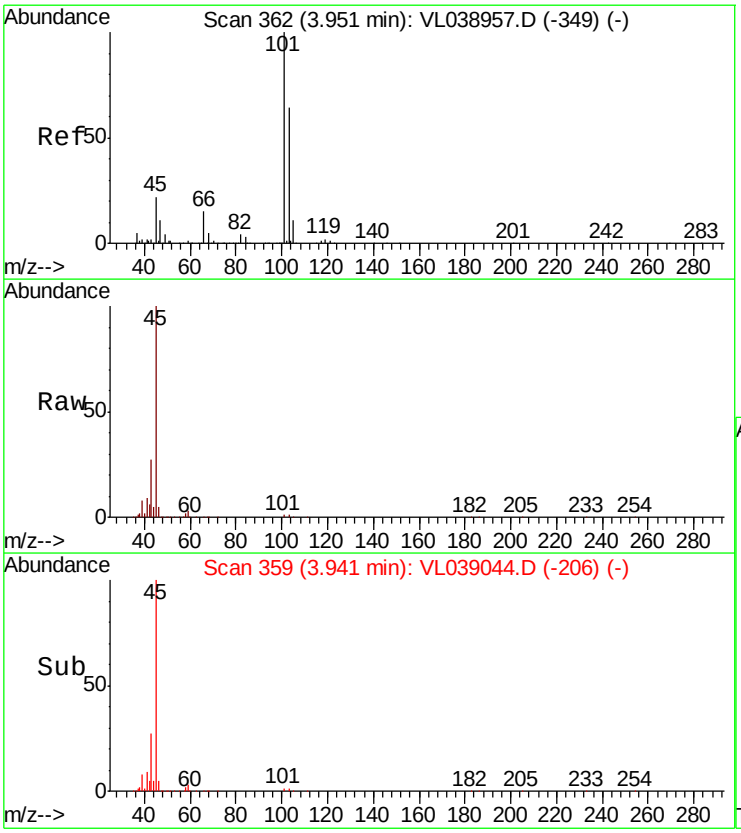
#10
Heptane
Concen: 0.072 ppbv
RT: 8.10
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 43 Resp: 9067

Ion	Ratio	Lower	Upper
43	100		
57	72.0	40.5	60.7#

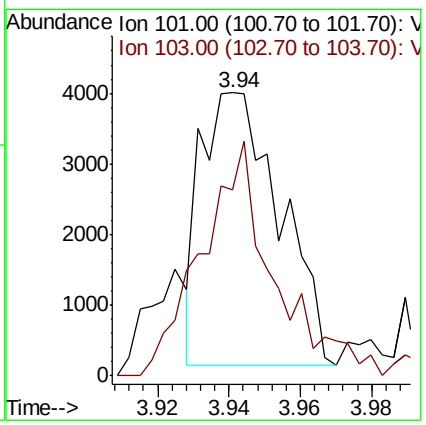


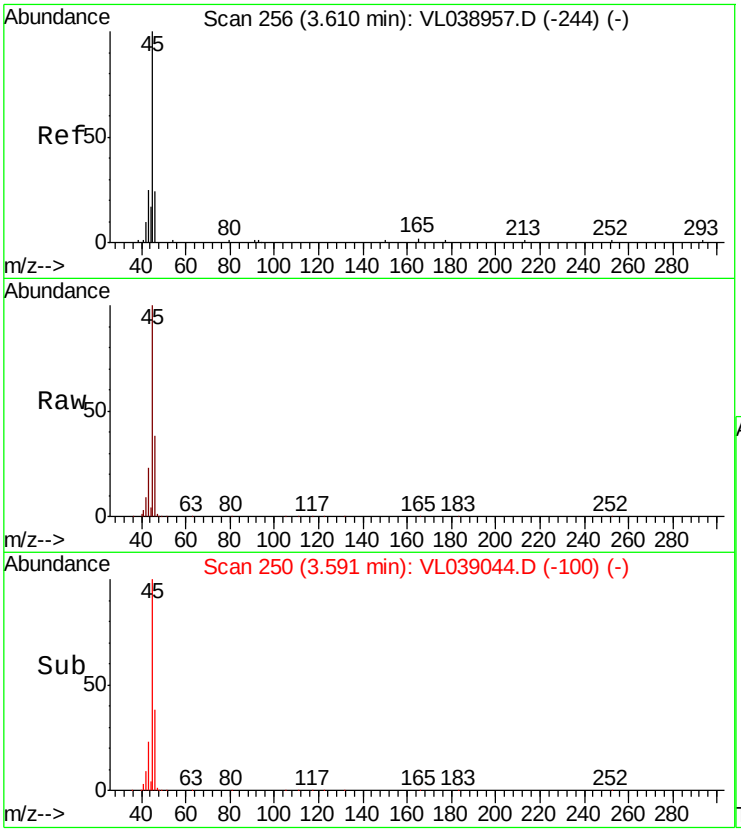


#11
Trichlorofluoromethane
Concen: 0.046 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion:101 Resp: 5932

Ion	Ratio	Lower	Upper
101	100		
103	55.2	51.5	77.3



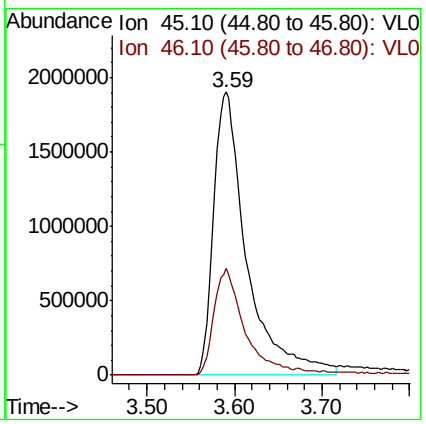


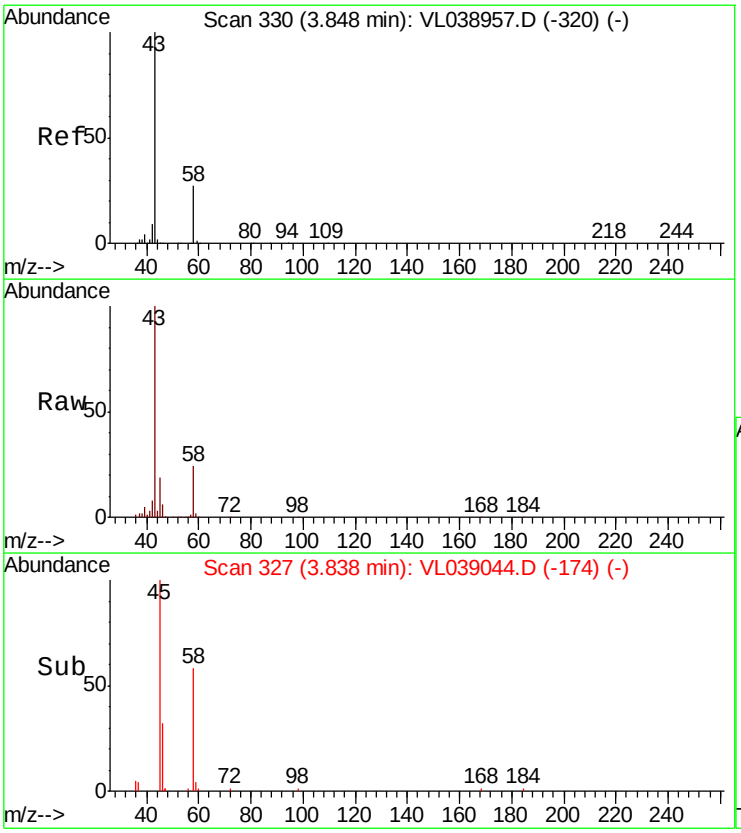
#13
Ethanol
Concen: 1376.798 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 45 Resp: 5015992

Ion	Ratio	Lower	Upper
45	100		
46	37.0	18.0	72.2

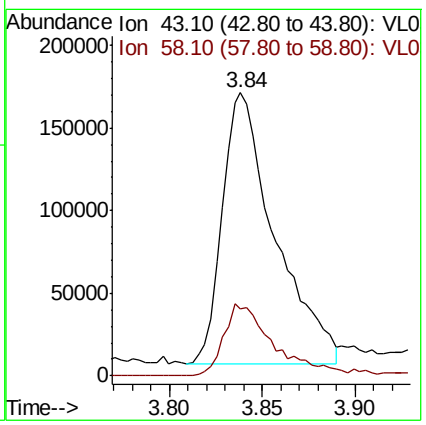


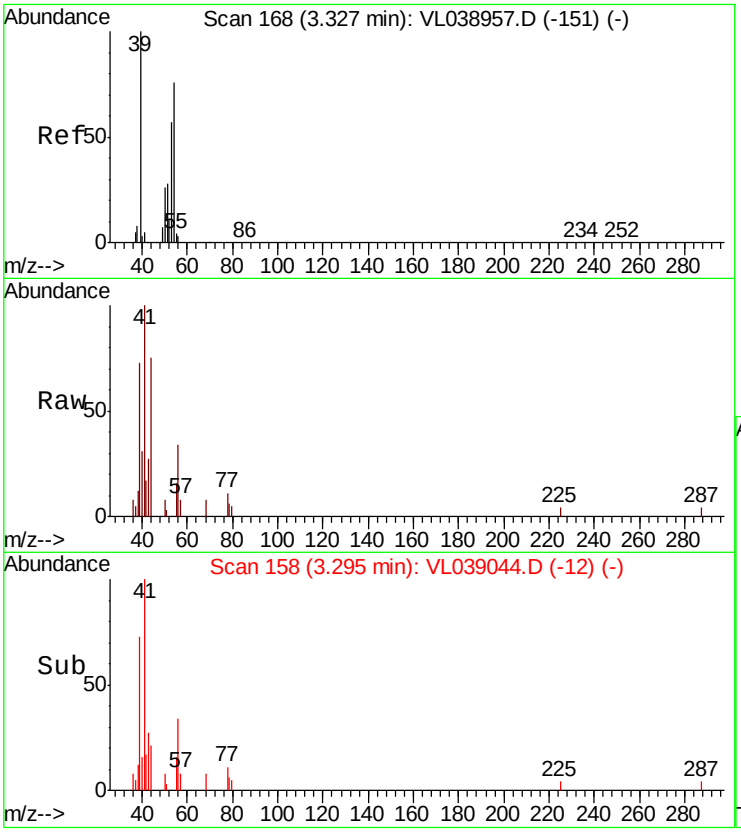


#15
Acetone
Concen: 3.589 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 43 Resp: 321630

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.3	31.9



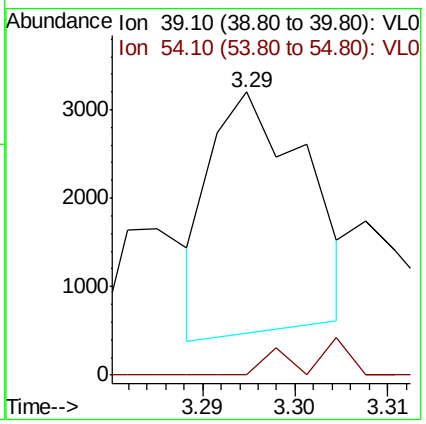


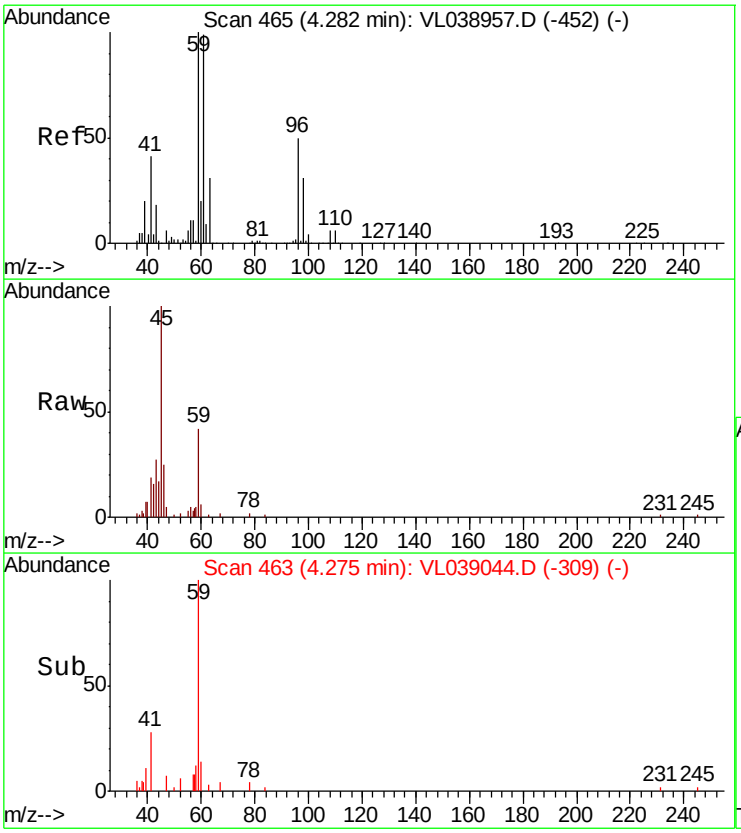
#16
1,3-Butadiene
Concen: 0.038 ppbv
RT: 3.29
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 39 Resp: 1943

Ion	Ratio	Lower	Upper
39	100		
54	0.0	65.2	97.8#

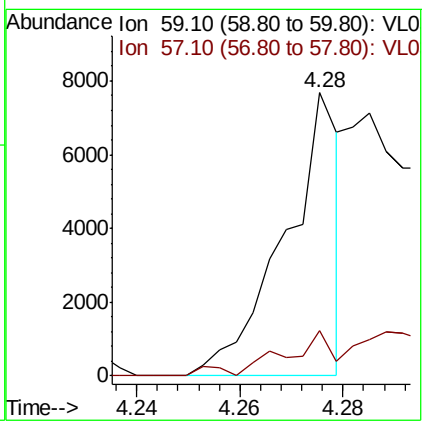


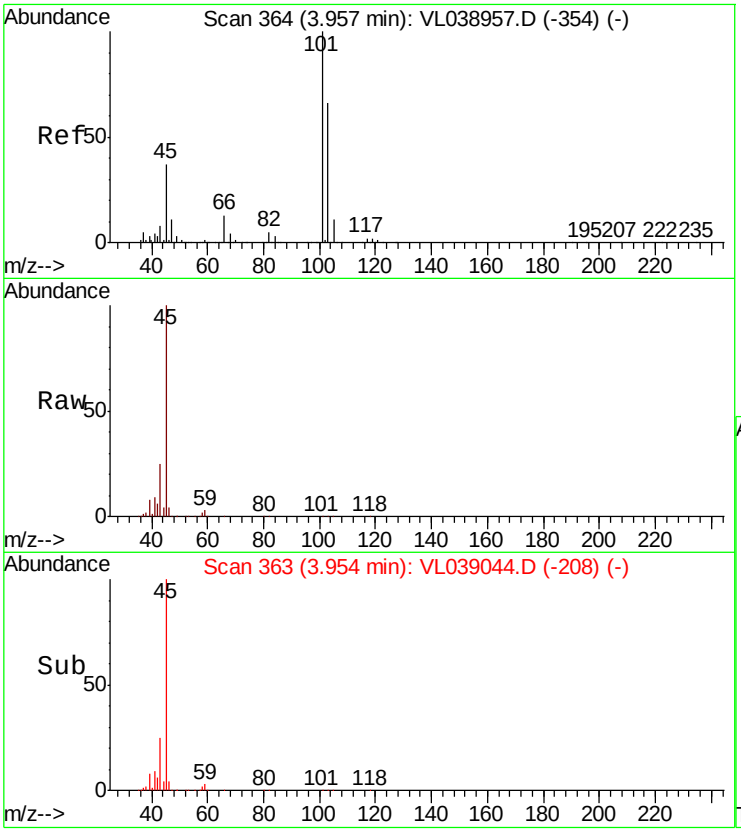


#17
tert-Butyl alcohol
Concen: 0.082 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 59 Resp: 5621

Ion	Ratio	Lower	Upper
59	100		
57	42.6	9.2	13.8#



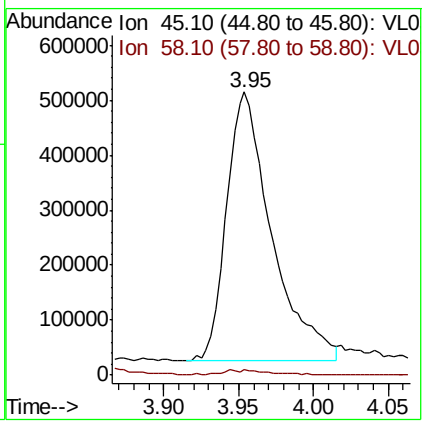


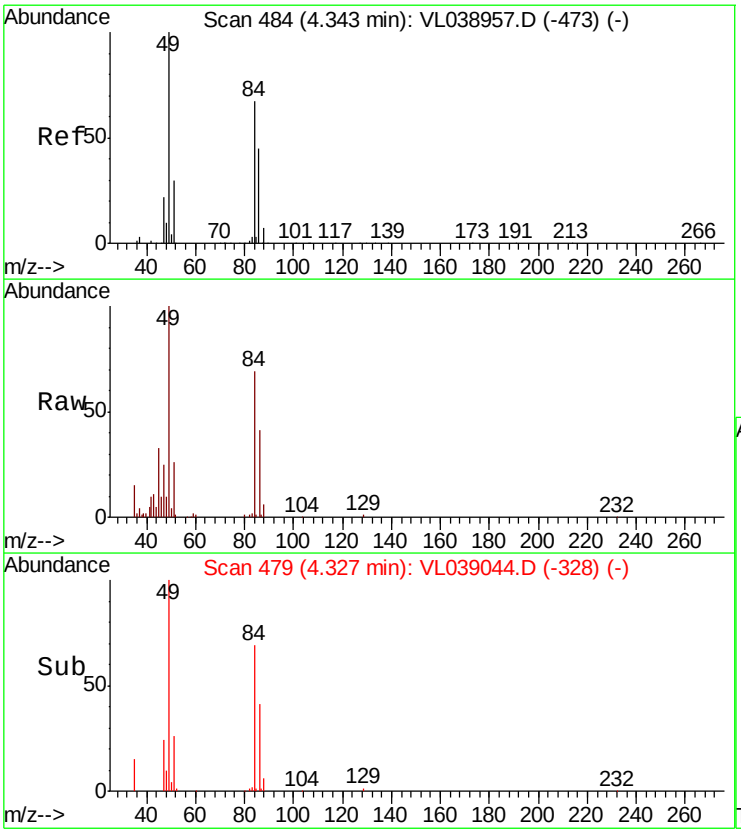
#19
Isopropyl Alcohol
Concen: 23.836 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 45 Resp: 1015640

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.4	2.2

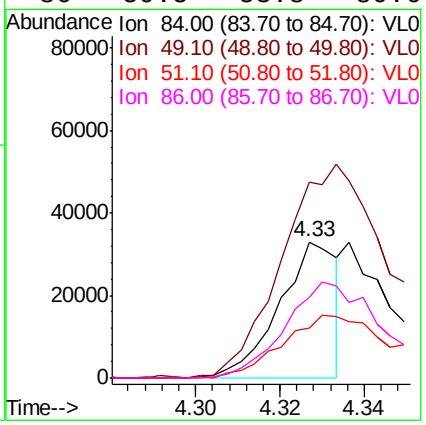


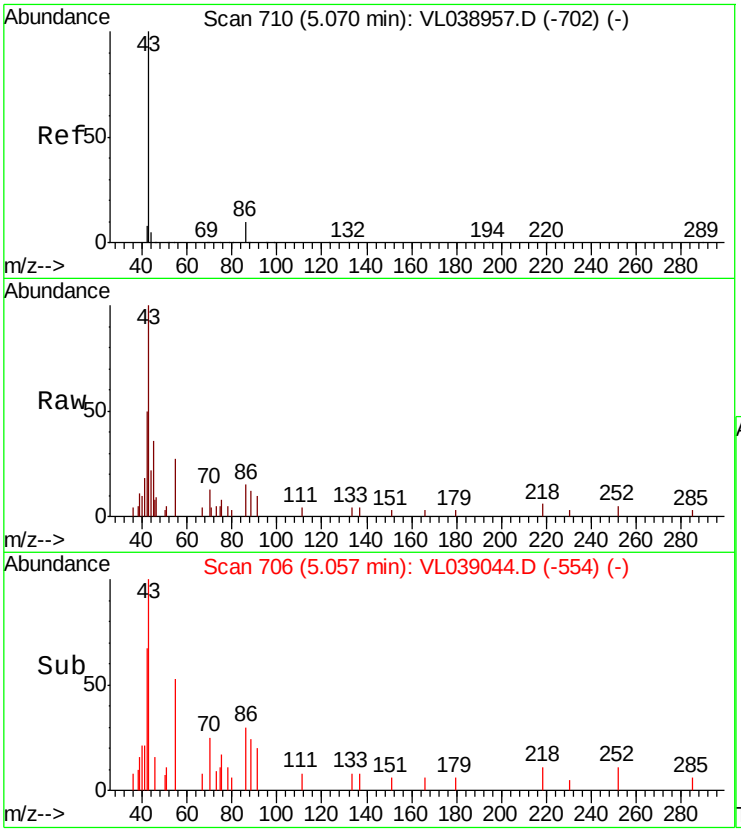


#20
Methylene Chloride
Concen: 0.930 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 84 Resp: 31408

Ion	Ratio	Lower	Upper
84	100		
49	144.5	119.9	179.9
51	37.0	35.7	53.5
86	59.5	53.8	80.6



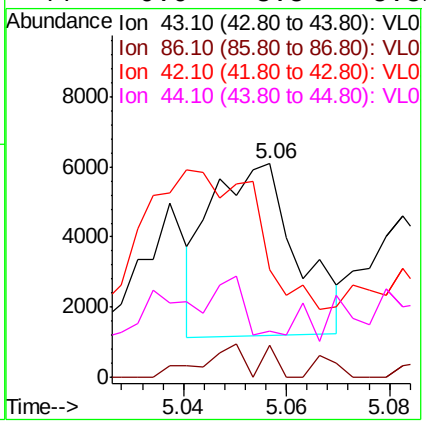


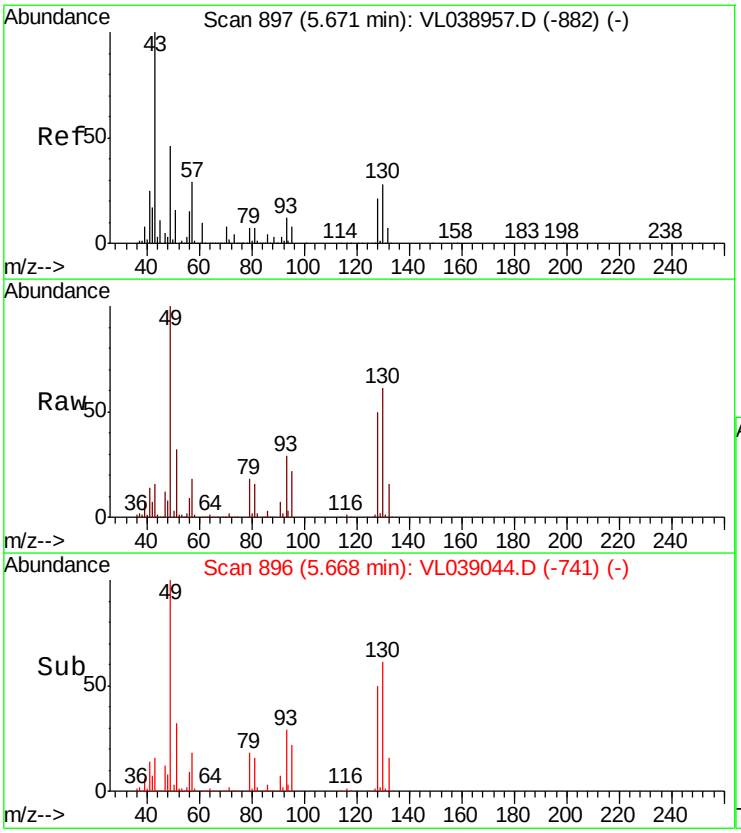
#23
Vinyl Acetate
Concen: 0.081 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 43 Resp: 5710

Ion	Ratio	Lower	Upper
43	100		
86	16.7	6.6	9.8#
42	30.3	8.1	12.1#
44	0.0	3.5	5.3#

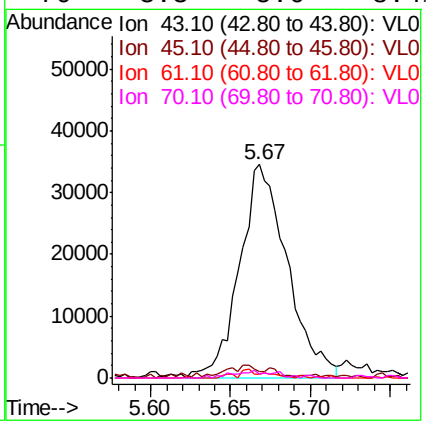


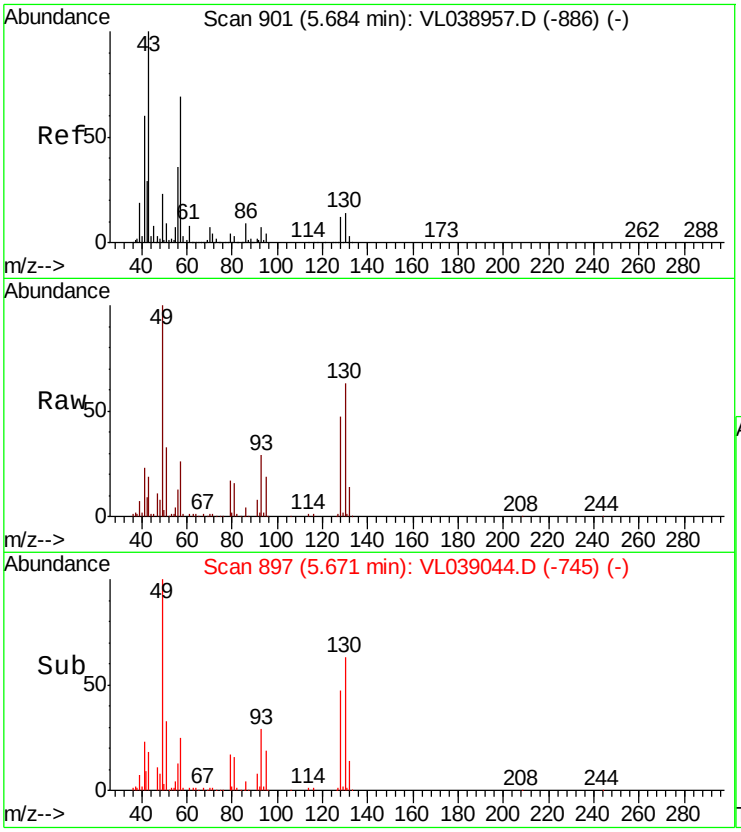


#25
Ethyl Acetate
Concen: 0.330 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 43 Resp: 70716

Ion	Ratio	Lower	Upper
43	100		
45	6.3	8.1	12.1#
61	2.7	7.8	11.6#
70	3.3	5.6	8.4#



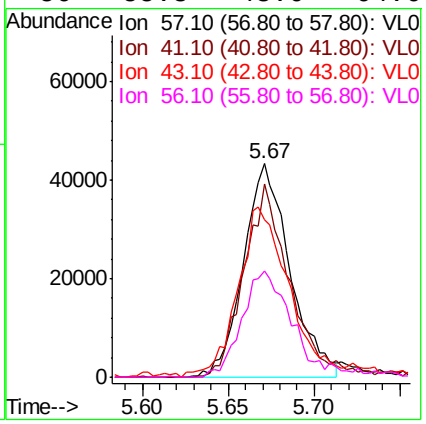


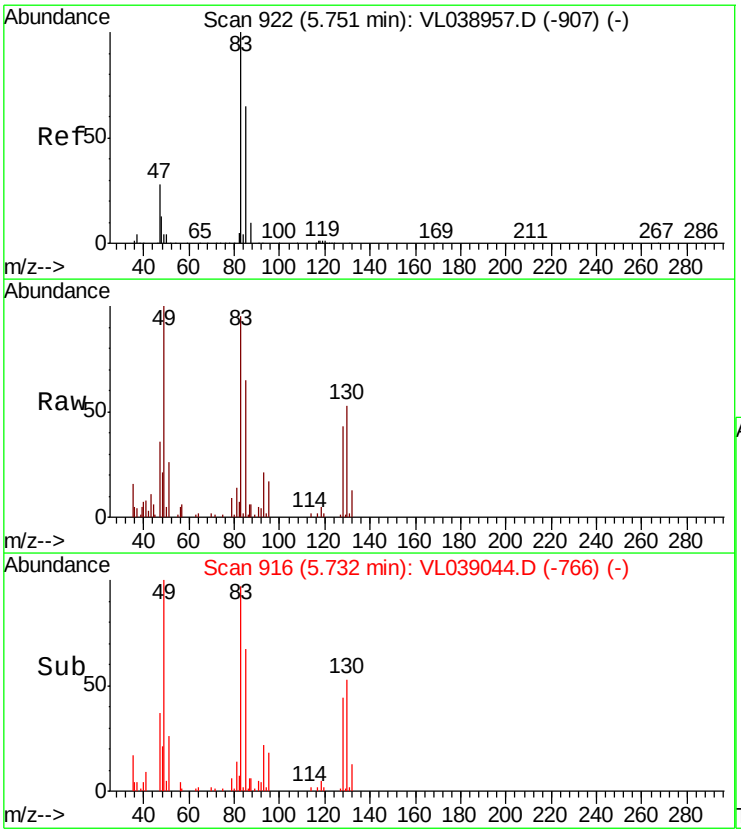
#26
Hexane
Concen: 0.852 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 57 Resp: 81204

Ion	Ratio	Lower	Upper
57	100		
41	90.6	75.2	112.8
43	93.6	190.8	286.2#
56	55.8	43.0	64.6

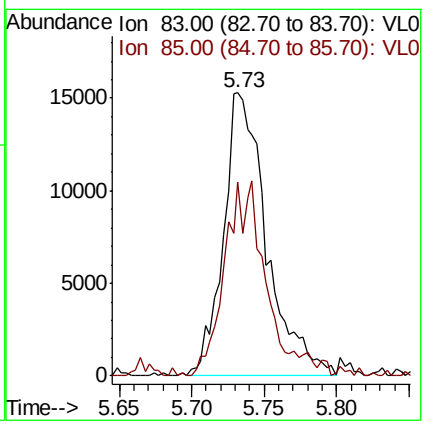


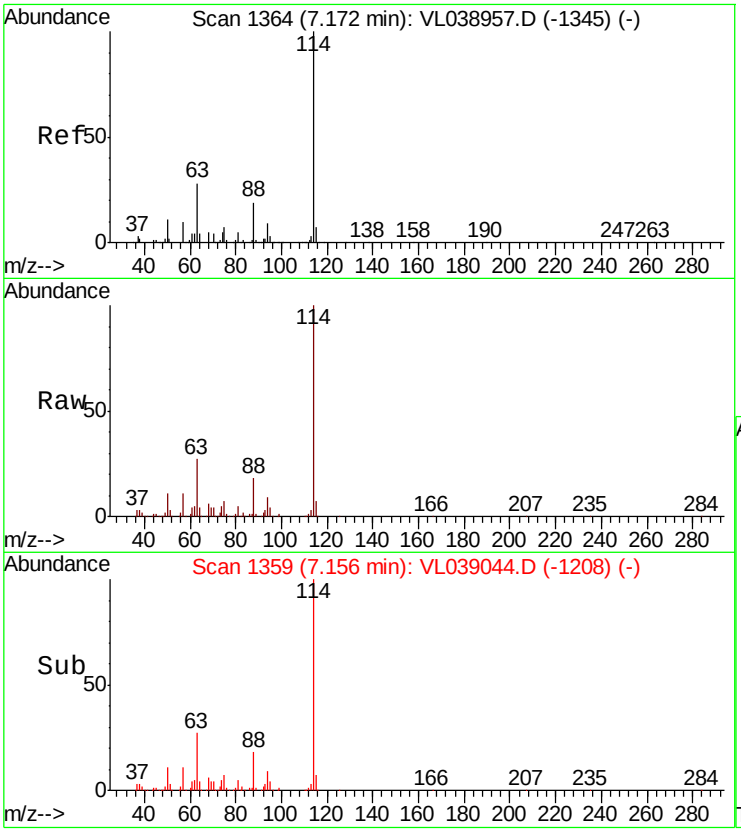


#29
Chloroform
Concen: 0.205 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 83 Resp: 31667

Ion	Ratio	Lower	Upper
83	100		
85	68.4	51.8	77.6



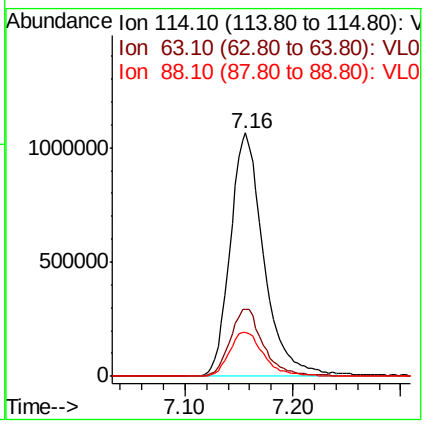


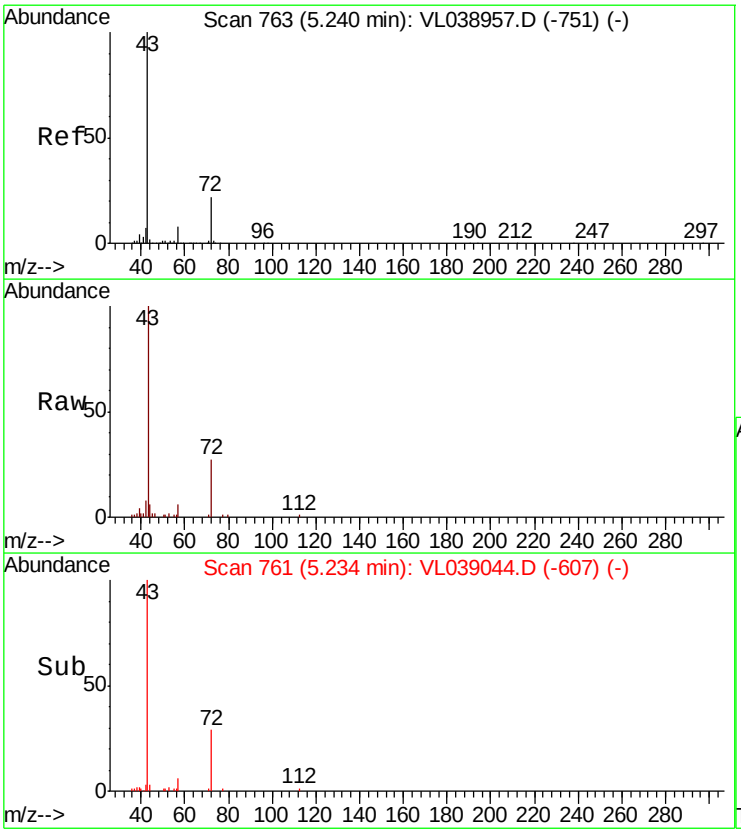
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion:114 Resp: 2304083

Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.6	33.8
88	19.0	15.4	23.0

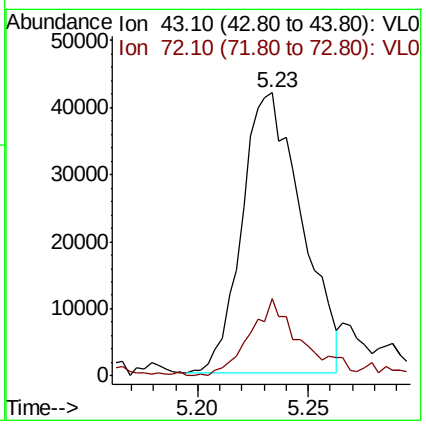


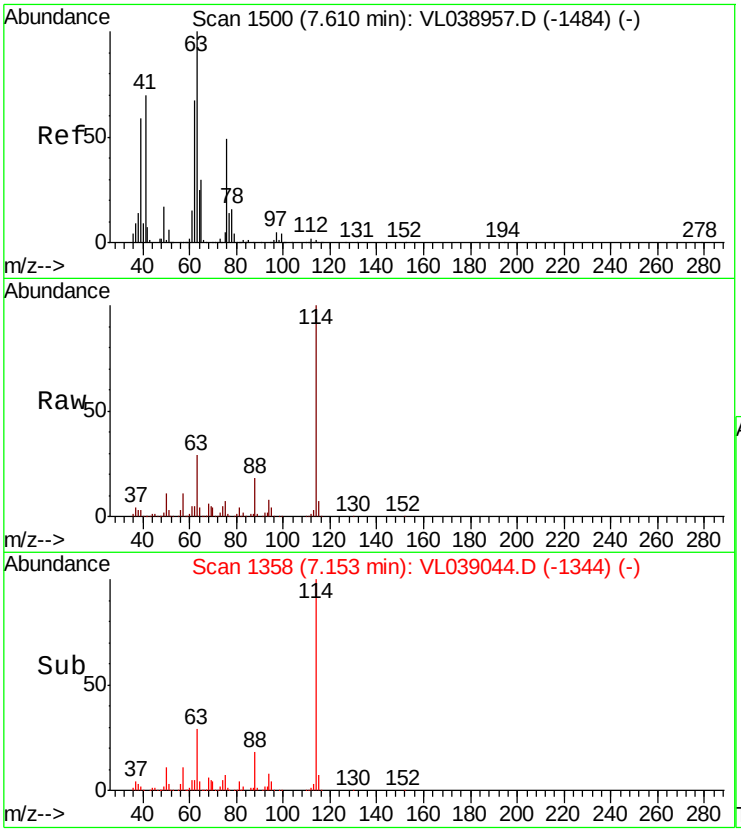


#34
2-Butanone
Concen: 0.670 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.01 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 43 Resp: 78716

Ion	Ratio	Lower	Upper
43	100		
72	26.2	17.8	26.6



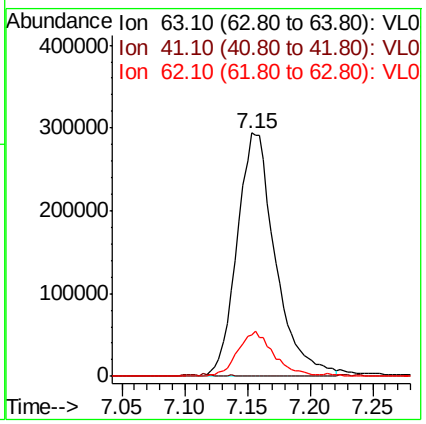


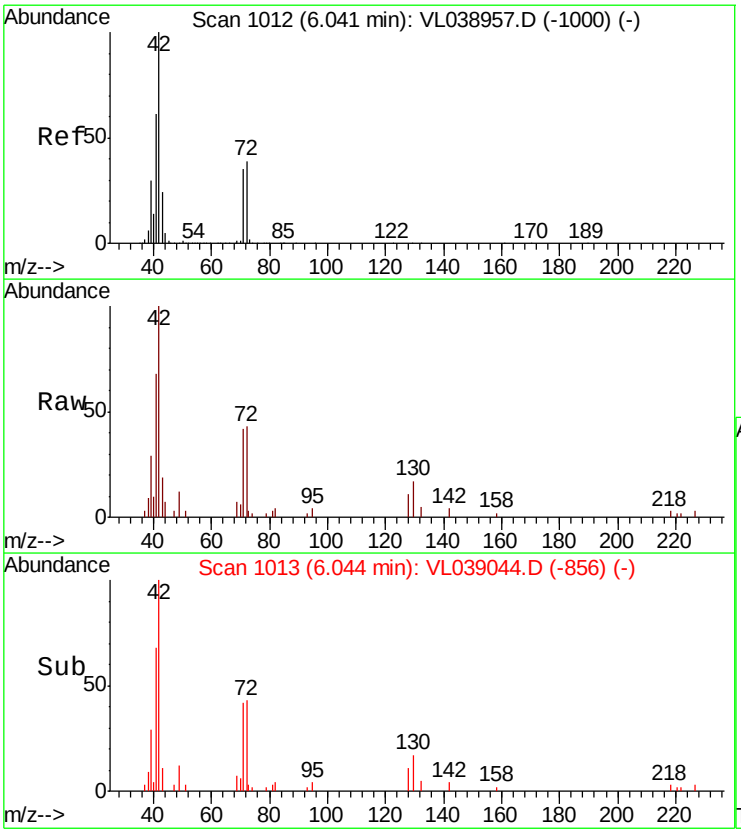
#39
1,2-Dichloropropane
Concen: 8.152 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 63 Resp: 625412

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	16.9	53.8	80.6#

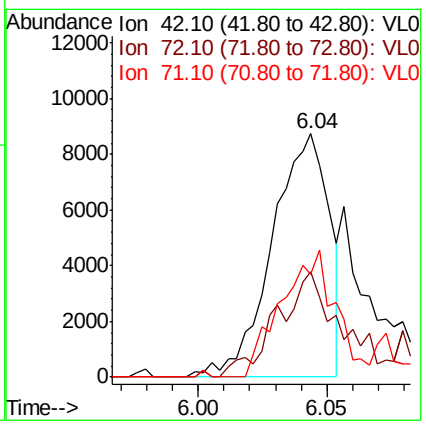


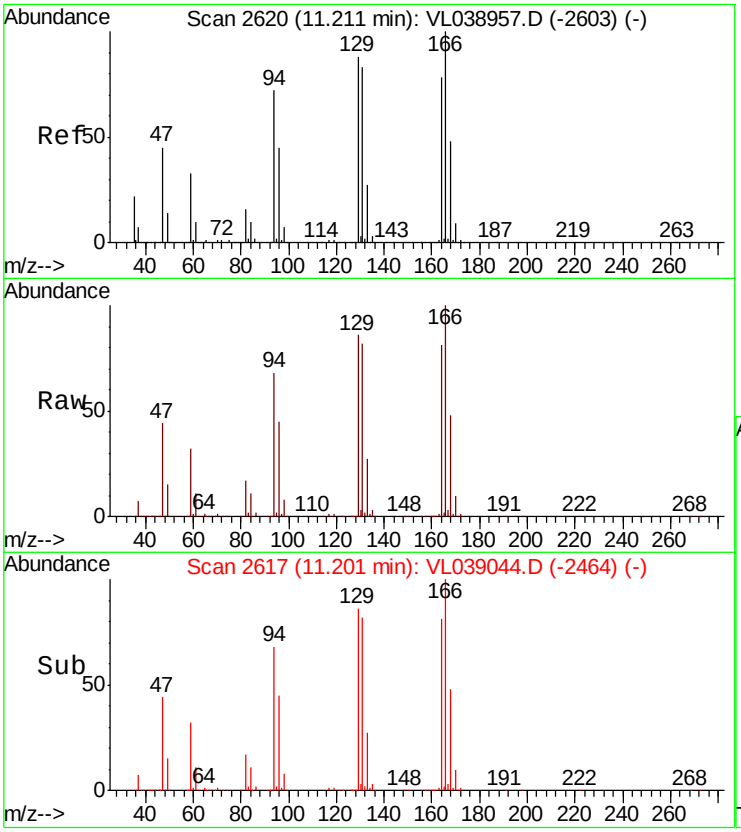


#41
Tetrahydrofuran
Concen: 0.170 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 42 Resp: 13441

Ion	Ratio	Lower	Upper
42	100		
72	56.0	31.8	47.6#
71	60.0	30.6	45.8#



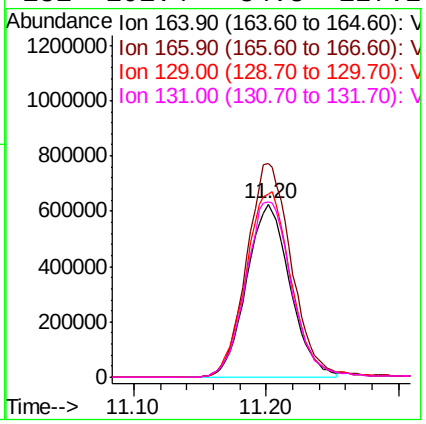


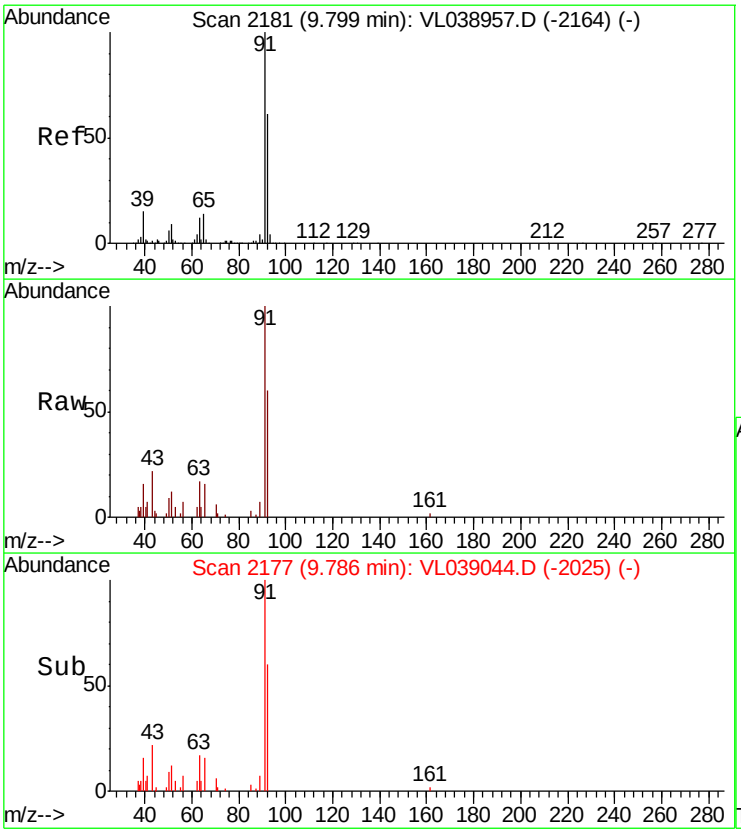
#52
Tetrachloroethene
Concen: 20.238 ppbv
RT: 11.20
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion:164 Resp: 1426051

Ion	Ratio	Lower	Upper
164	100		
166	123.5	102.5	153.7
129	105.7	90.1	135.1
131	101.4	84.8	127.2

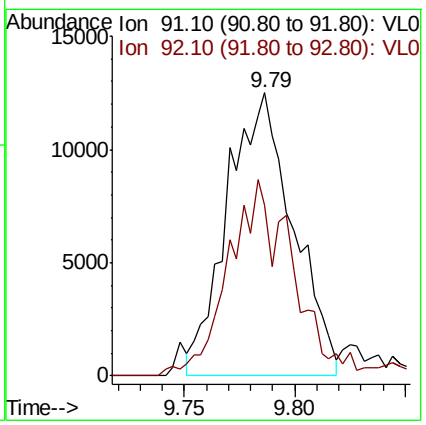


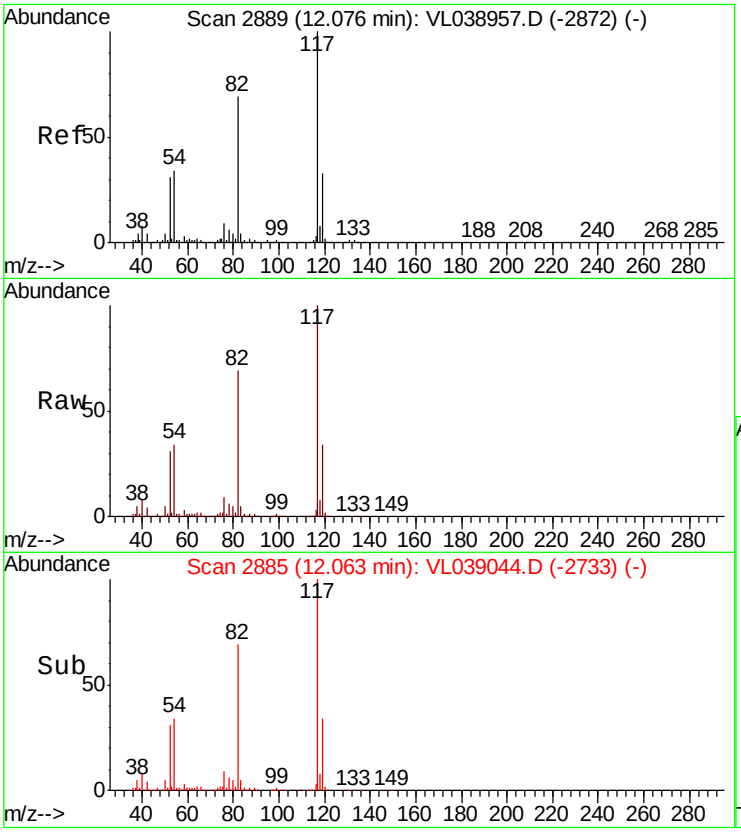


#53
Toluene
Concen: 0.117 ppbv
RT: 9.79 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 91 Resp: 25930

Ion	Ratio	Lower	Upper
91	100		
92	69.0	48.2	72.2



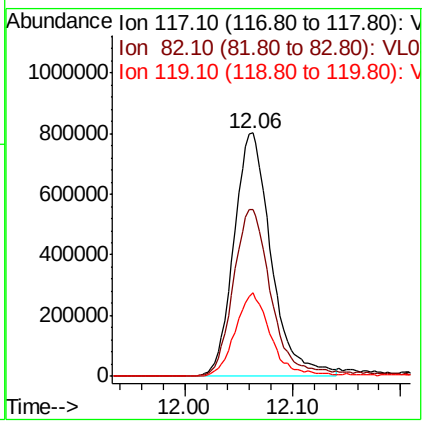


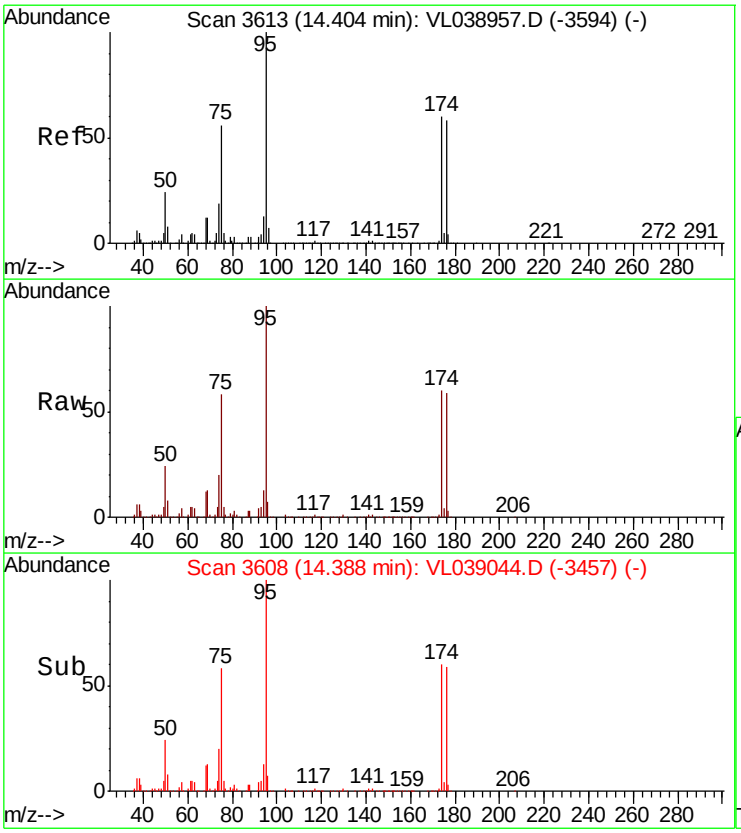
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06
Delta R.T
Lab File:
Acq: 13 May 2022 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion:117 Resp: 1925572

Ion	Ratio	Lower	Upper
117	100		
82	72.0	57.0	85.6
119	33.3	27.2	40.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.487 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.02 min
Lab File: VL039044.D
Acq: 13 May 2022 19:42

Tgt Ion: 95 Resp: 1446725

Ion	Ratio	Lower	Upper
95	100		
174	66.9	50.8	76.2
175	4.5	3.8	5.6