Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039090.D
Acq On : 23 May 2022 19:03
Operator : SY/AP
Sample : N2956-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : AP-1DUP

Quant Time: May 24 05:59:54 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	961215	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	2145089	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.06	117	1806725	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1539599	10.76	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	57776	0.384	ppbv		96
3) Chlorodifluoromethane	2.98	51	54267	0.455	ppbv		93
4) Chloromethane	3.14	50	28754	0.481	ppbv		98
9) Propene	3.02	41	444487	8.533	ppbv	#	56
11) Trichlorofluoromethane	3.94	101	33048	0.256	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	5031	0.057	ppbv	#	48
13) Ethanol	3.60	45	223555	60.647	ppbv		88
15) Acetone	3.84	43	691523	7.627	ppbv		97
16) 1,3-Butadiene	3.35	39	311737	5.984	ppbv	#	11
19) Isopropyl Alcohol	3.99	45	3269	0.076	ppbv	#	95
20) Methylene Chloride	4.33	84	2866745	83.887	ppbv		98
23) Vinyl Acetate	5.06	43	2896	0.040	ppbv	#	89
25) Ethyl Acetate	5.67	43	1193994	5.502	ppbv	#	77
26) Hexane	5.67	57	1695890	17.587	ppbv	#	39
34) 2-Butanone	5.24	43	34783	0.318	ppbv	#	89
35) Carbon Tetrachloride	7.00	117	5760	0.041	ppbv	#	55
36) Benzene	6.87	78	7468	0.041	ppbv	#	89
39) 1,2-Dichloropropane	7.20	63	10082	0.141	ppbv	#	25
41) Tetrahydrofuran	5.67	42	634626	8.628	ppbv	#	50
53) Toluene	9.78	91	17843	0.087	ppbv	#	21
58) Ethyl Benzene	12.69	91	93016	0.358	ppbv		94
59) m/p-Xylene	12.97	91	70016	0.315	ppbv	#	33
60) o-Xylene	13.67	91	81106	0.388	ppbv		99
74) 1,2,4-Trimethylbenzene	16.74	105	42512	0.181	ppbv	#	62

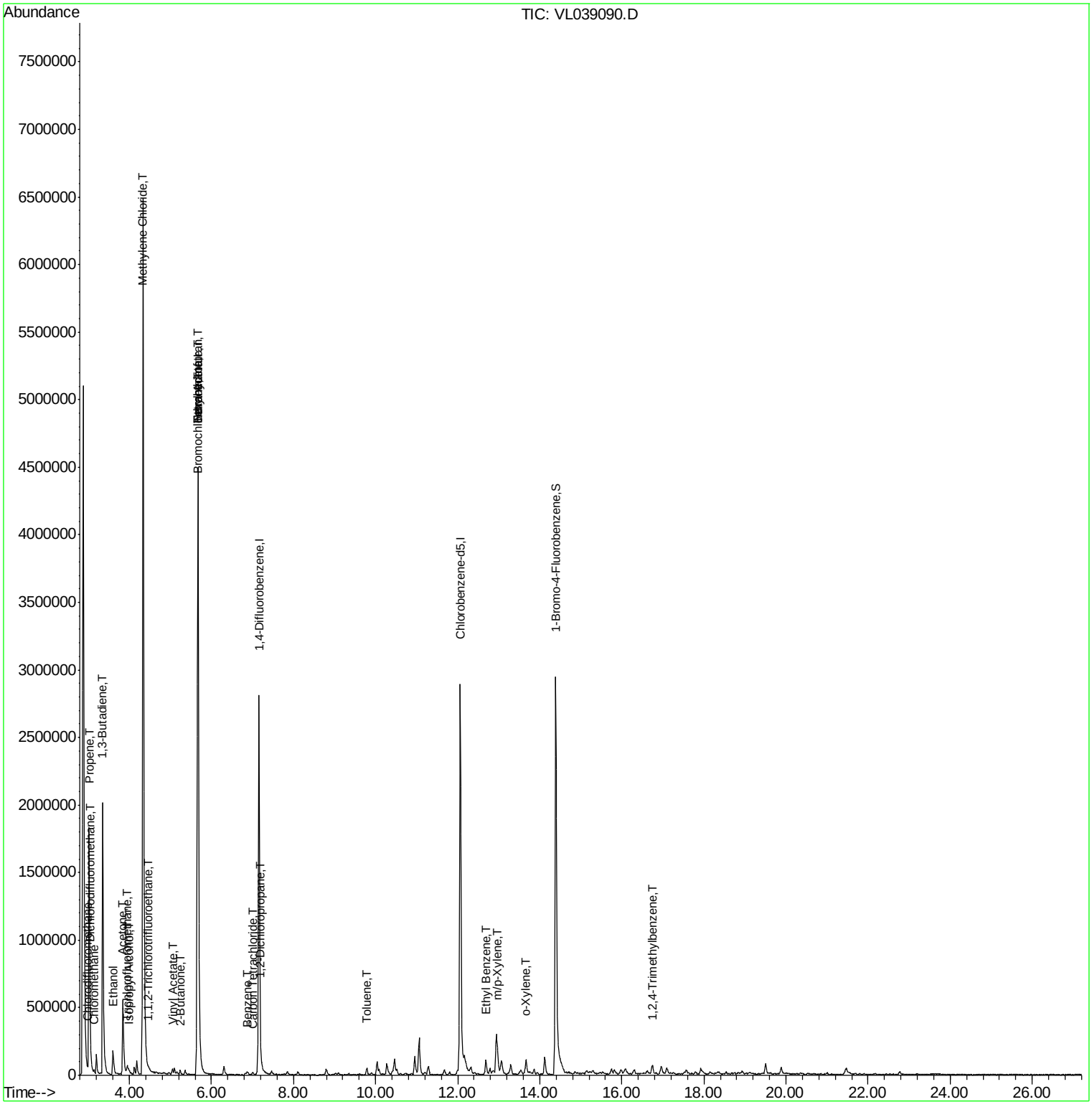
(#) = qualifier out of range (m) = manual integration (+) = signals summed

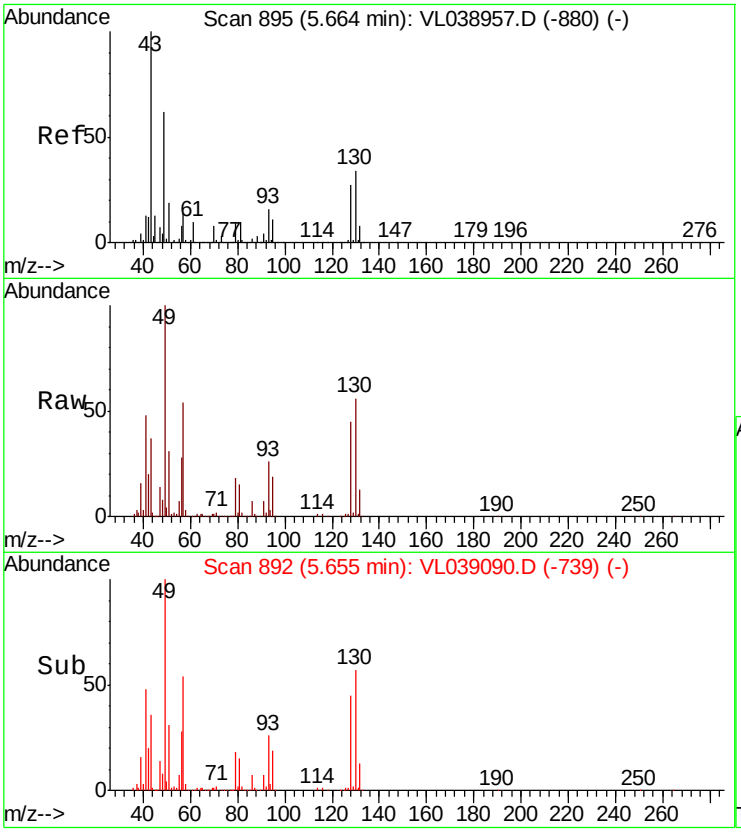
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039090.D
Acq On : 23 May 2022 19:03
Operator : SY/AP
Sample : N2956-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Quant Time: May 24 05:59:54 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



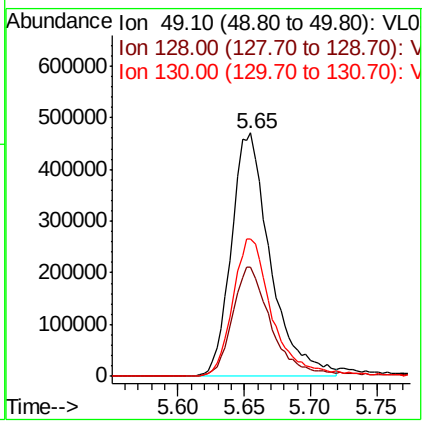


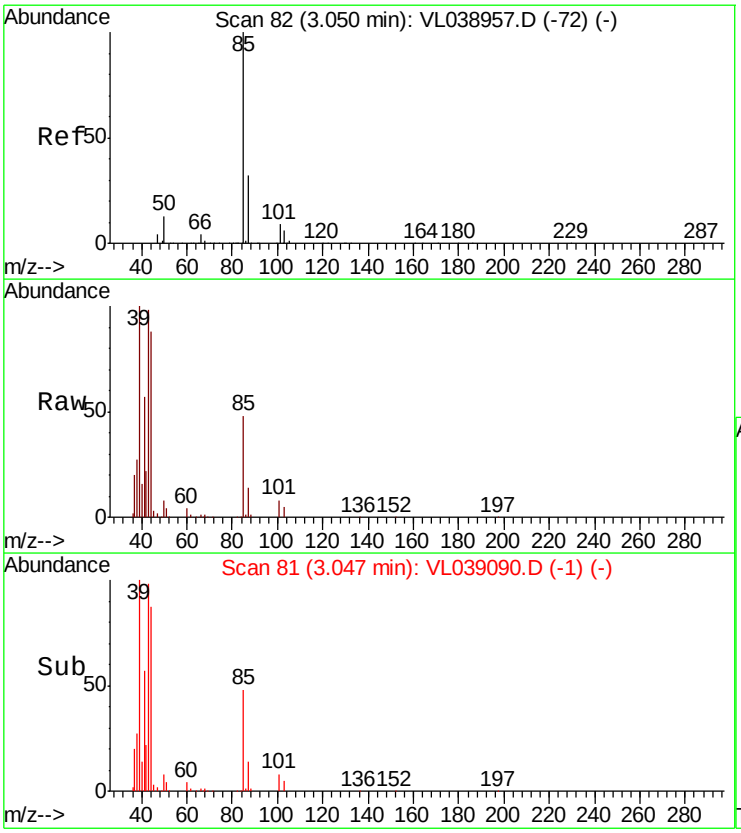
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 49 Resp: 961215

Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.3	69.8
130	58.6	29.8	89.3

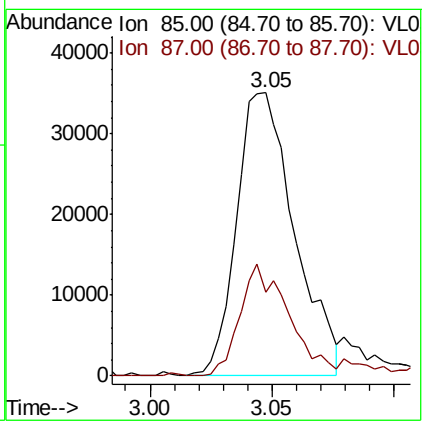


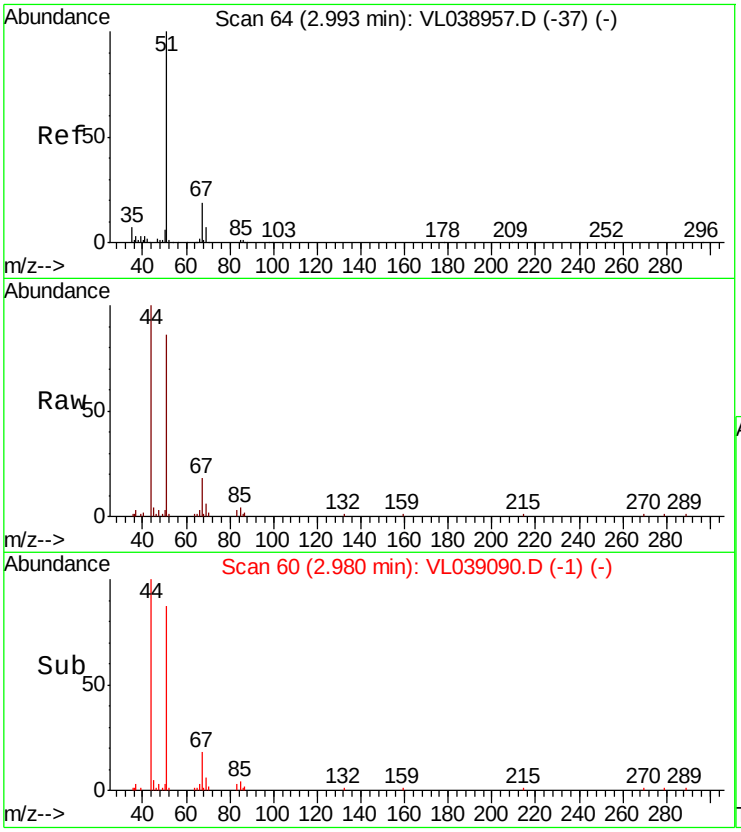


#2
Dichlorodifluoromethane
Concen: 0.384 ppbv
RT: 3.05 min Scan# 81
Delta R.T. -0.00 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 85 Resp: 57776

Ion	Ratio	Lower	Upper
85	100		
87	29.6	25.7	38.5



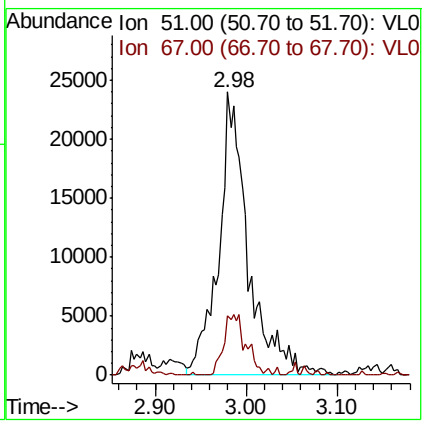


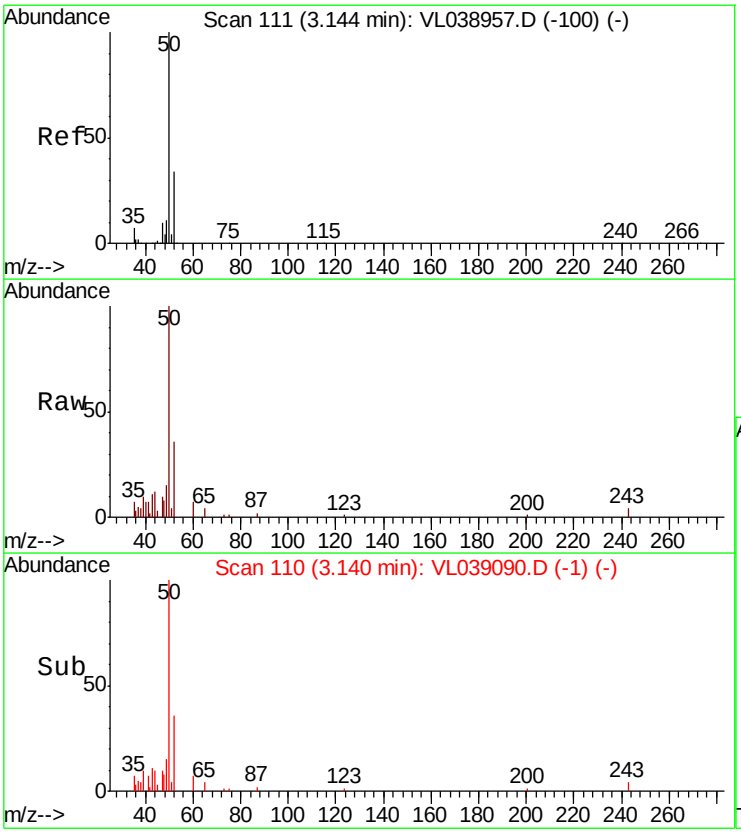
#3
Chlorodifluoromethane
Concen: 0.455 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 51 Resp: 54267

Ion	Ratio	Lower	Upper
51	100		
67	16.4	15.8	23.8

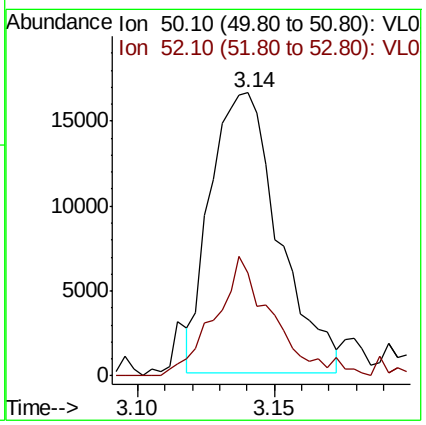


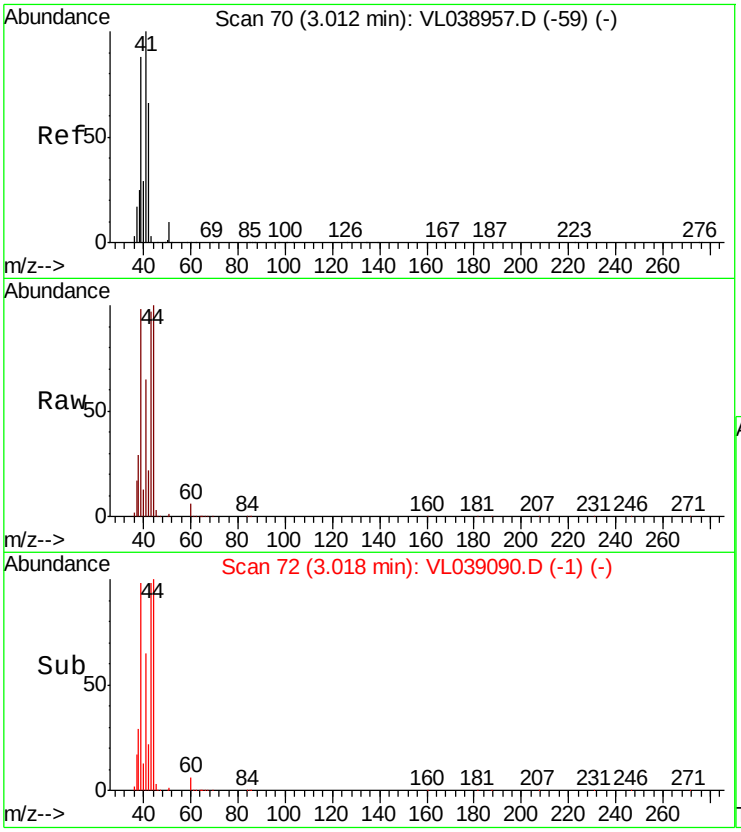


#4
Chloromethane
Concen: 0.481 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 50 Resp: 28754

Ion	Ratio	Lower	Upper
50	100		
52	33.2	27.3	40.9



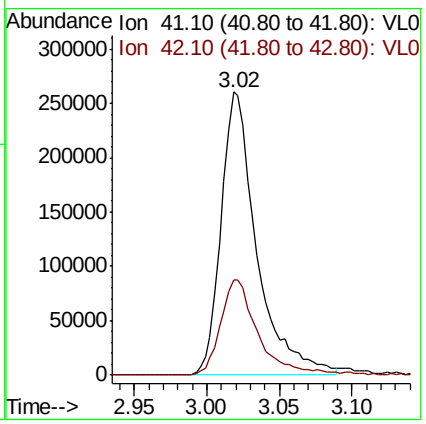


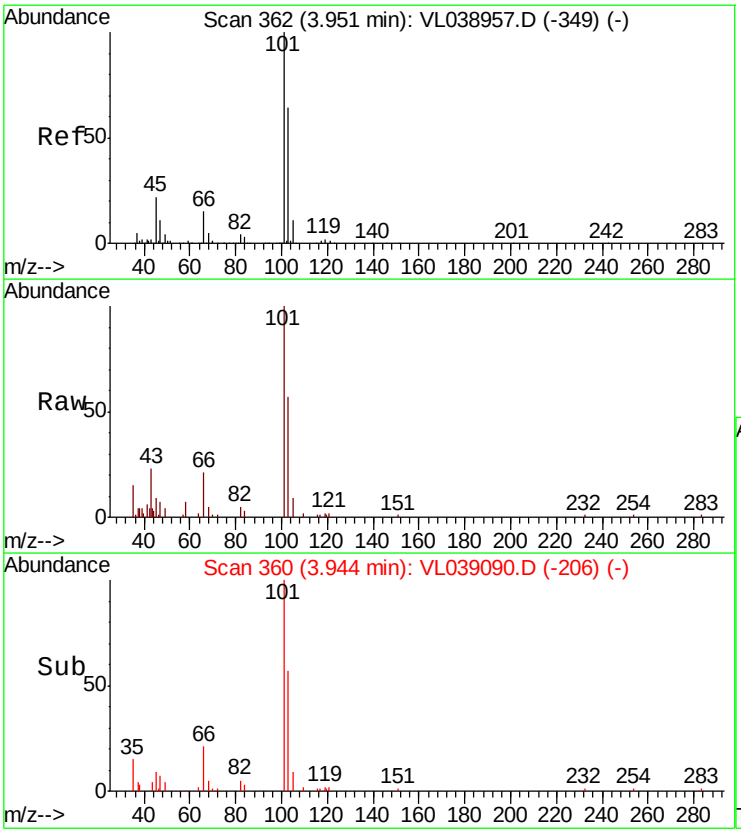
#9
Propene
Concen: 8.533 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 41 Resp: 444487

Ion	Ratio	Lower	Upper
41	100		
42	36.4	58.3	87.5#

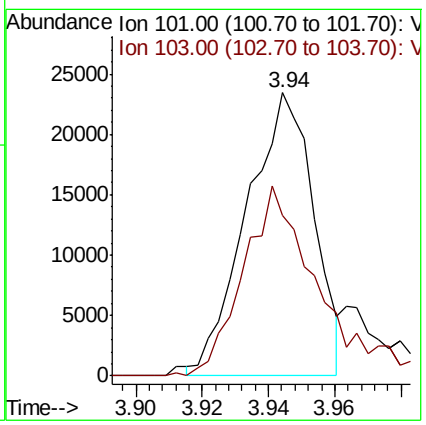


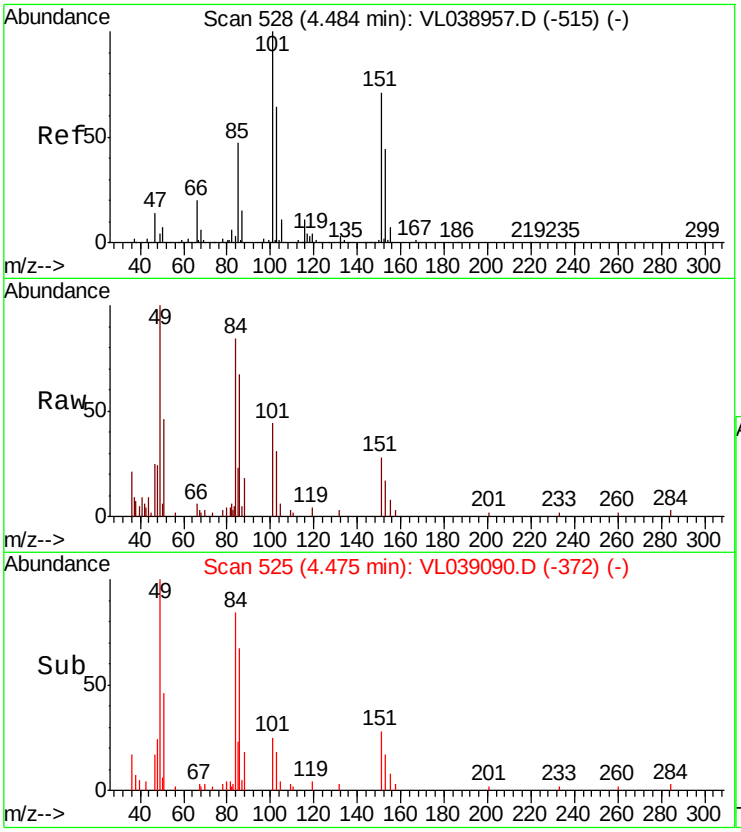


#11
Trichlorofluoromethane
Concen: 0.256 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion:101 Resp: 33048

Ion	Ratio	Lower	Upper
101	100		
103	58.7	51.5	77.3



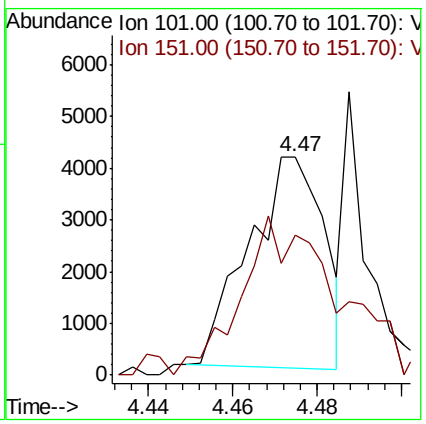


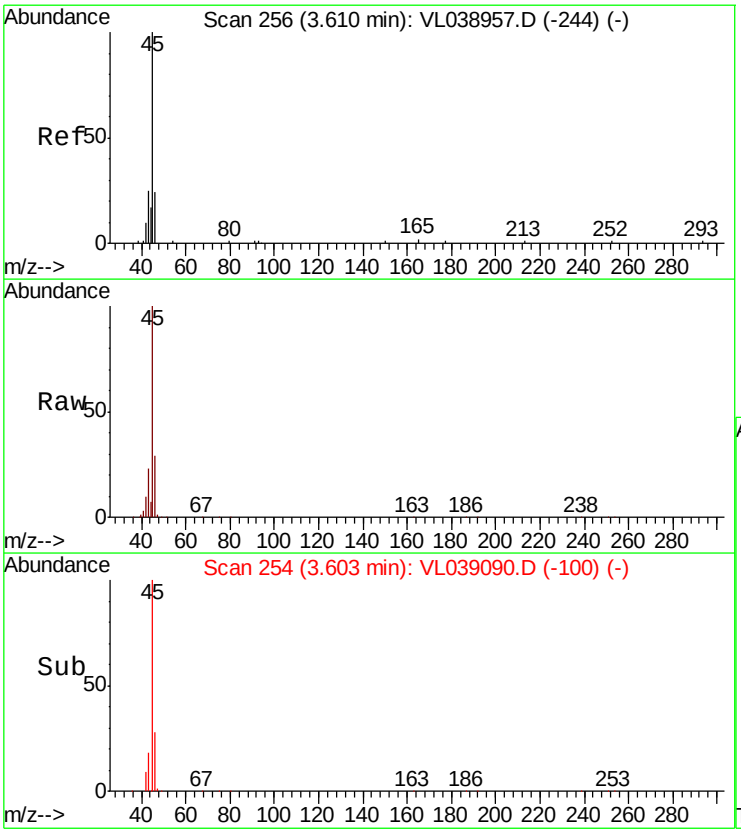
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.057 ppbv
RT: 4.47
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion:101 Resp: 5031

Ion	Ratio	Lower	Upper
101	100		
151	111.9	55.4	83.0#

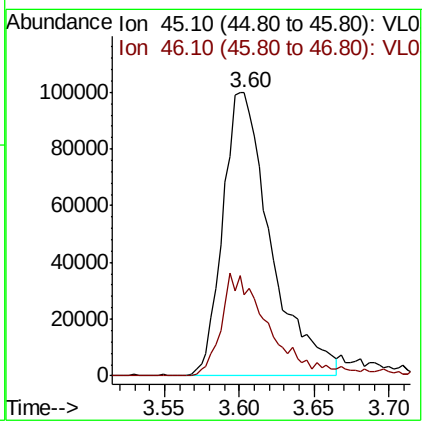


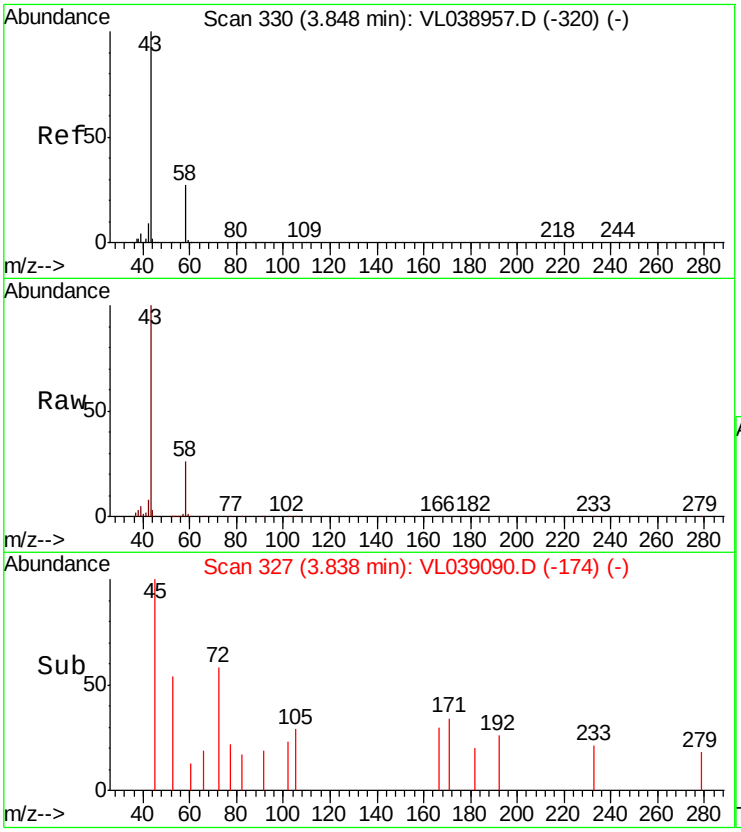


#13
Ethanol
Concen: 60.647 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 45 Resp: 223555

Ion	Ratio	Lower	Upper
45	100		
46	37.4	18.0	72.2



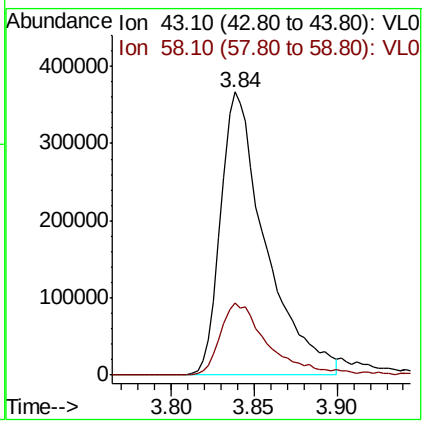


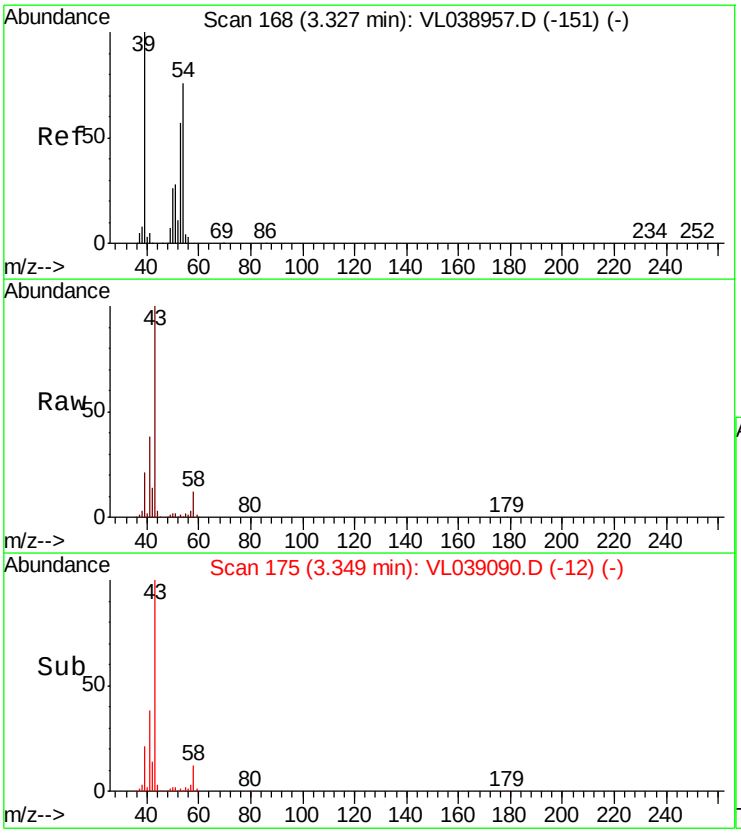
#15
Acetone
Concen: 7.627 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 43 Resp: 691523

Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.3	31.9

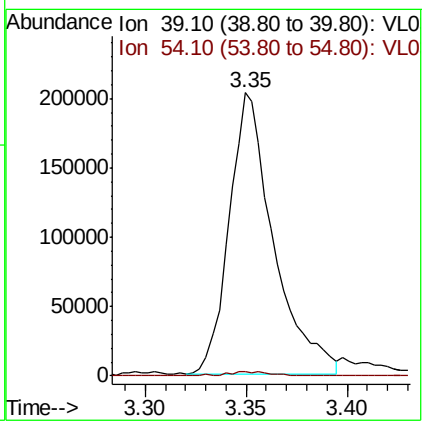


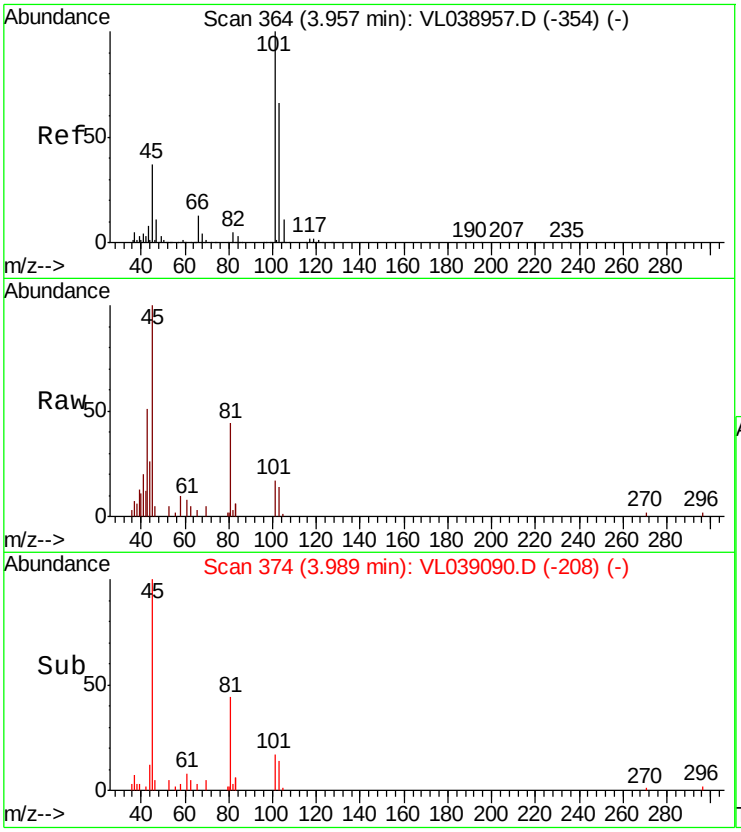


#16
1,3-Butadiene
Concen: 5.984 ppbv
RT: 3.35 min Scan# 175
Delta R.T. 0.02 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 39 Resp: 311737

Ion	Ratio	Lower	Upper
39	100		
54	1.9	65.2	97.8#



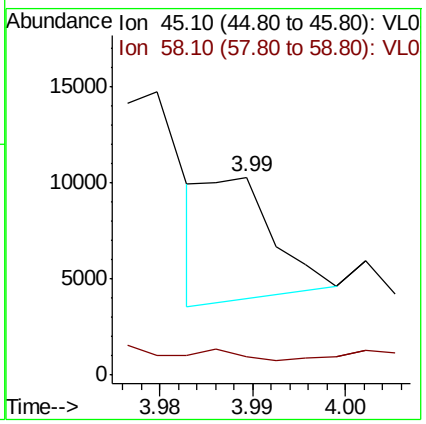


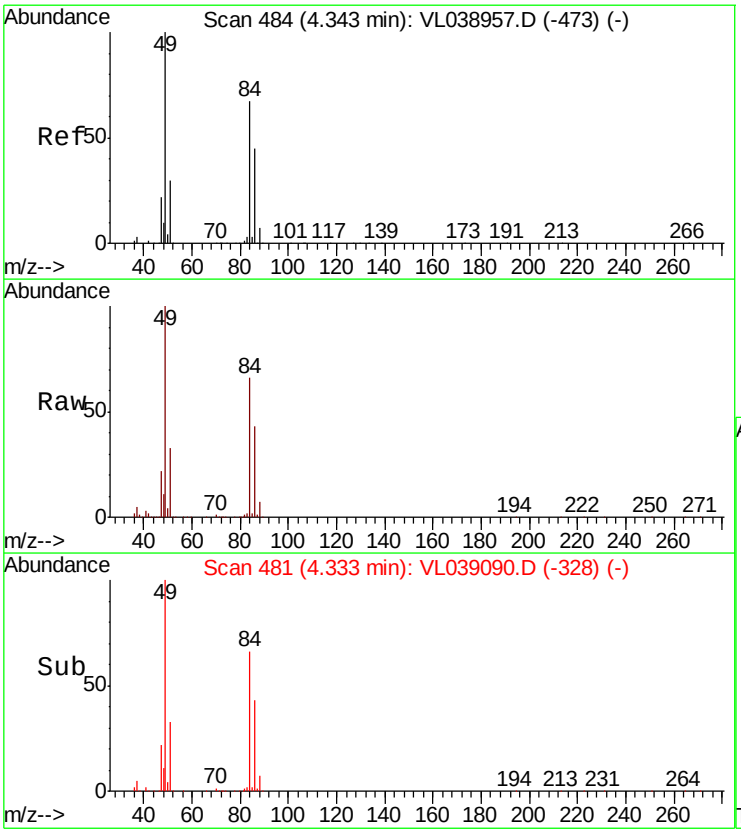
#19
Isopropyl Alcohol
Concen: 0.076 ppbv
RT: 3.99
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 45 Resp: 3269

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

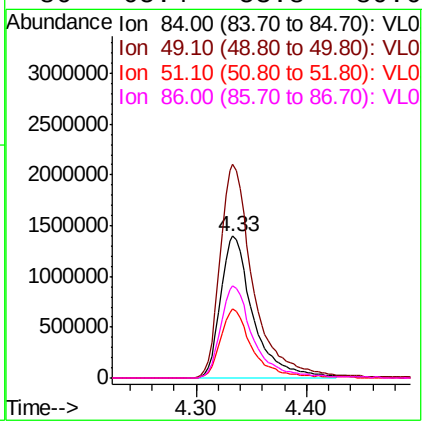


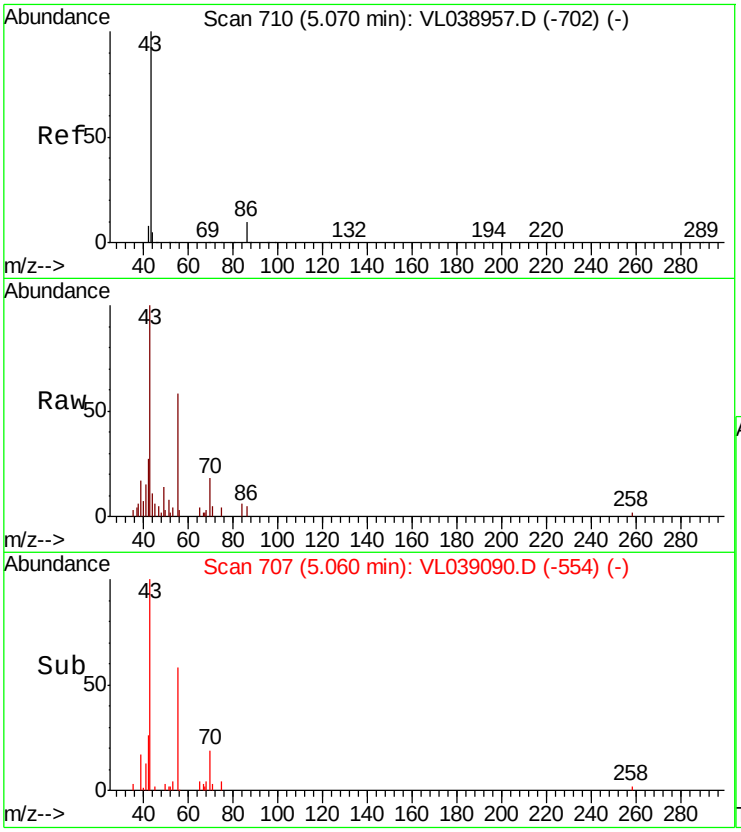


#20
Methylene Chloride
Concen: 83.887 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 84 Resp: 2866745

Ion	Ratio	Lower	Upper
84	100		
49	150.9	119.9	179.9
51	49.1	35.7	53.5
86	65.4	53.8	80.6



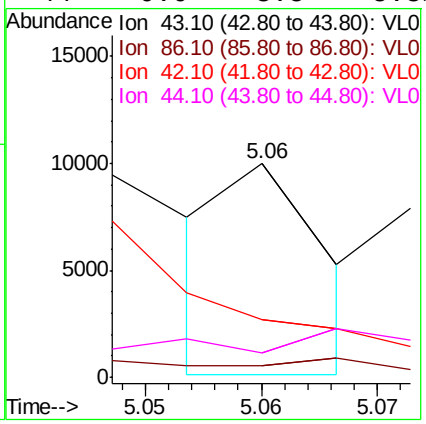


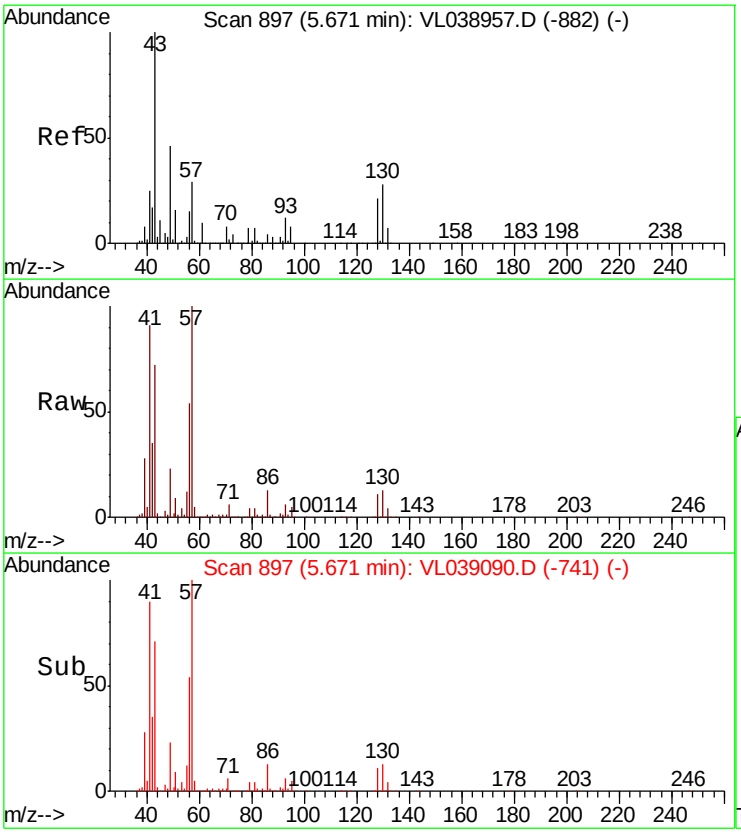
#23
Vinyl Acetate
Concen: 0.040 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 43 Resp: 2896

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.6	9.8#
42	9.9	8.1	12.1
44	0.0	3.5	5.3#

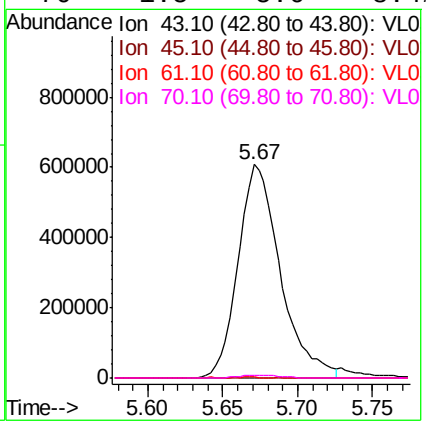


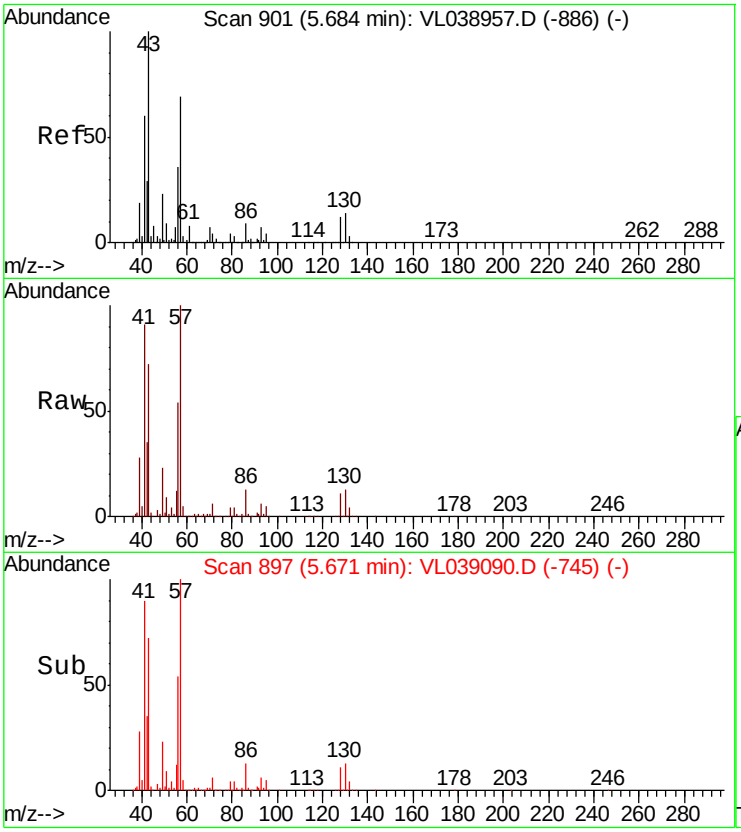


#25
Ethyl Acetate
Concen: 5.502 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 43 Resp: 1193994

Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.1	12.1#
61	0.4	7.8	11.6#
70	1.5	5.6	8.4#



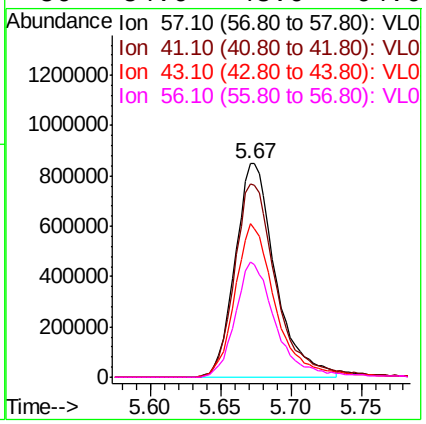


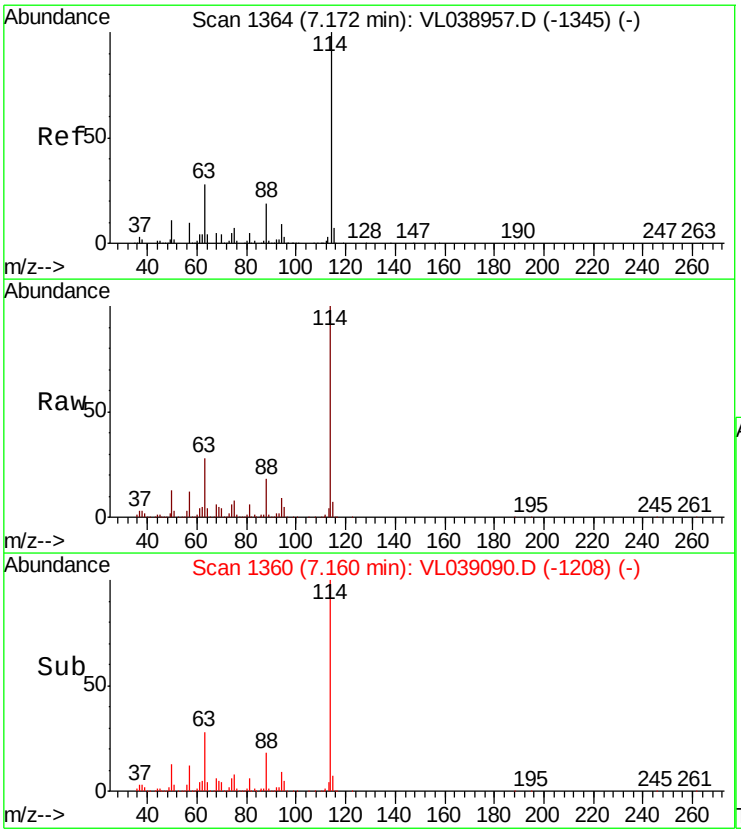
#26
Hexane
Concen: 17.587 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 57 Resp: 1695890

Ion	Ratio	Lower	Upper
57	100		
41	95.1	75.2	112.8
43	73.0	190.8	286.2#
56	54.6	43.0	64.6

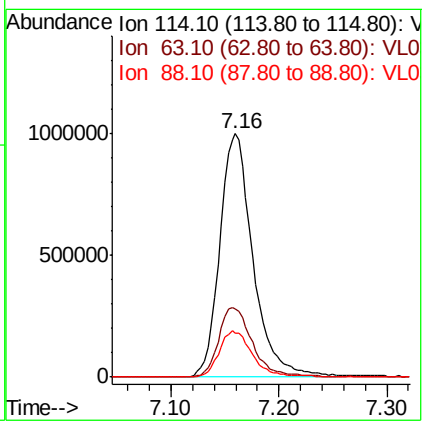


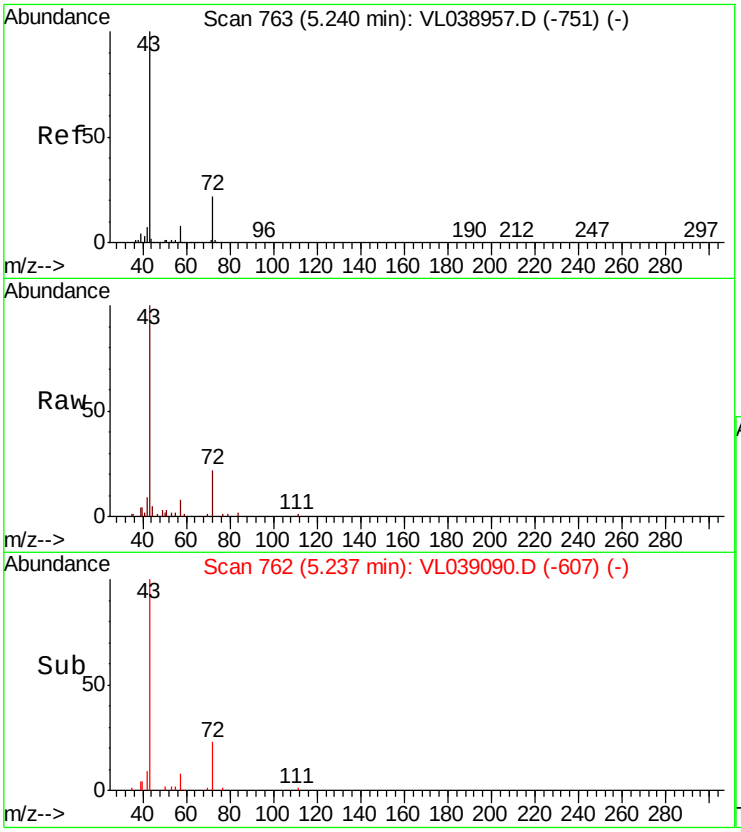


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion:114 Resp: 2145089

Ion	Ratio	Lower	Upper
114	100		
63	29.2	22.6	33.8
88	19.2	15.4	23.0



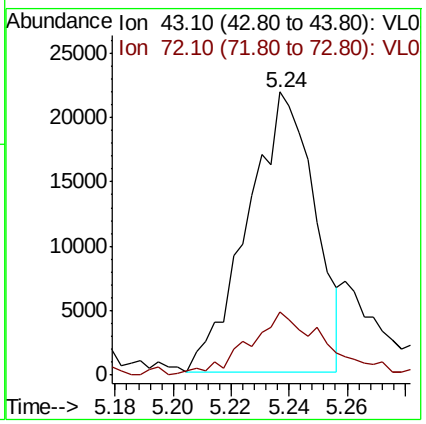


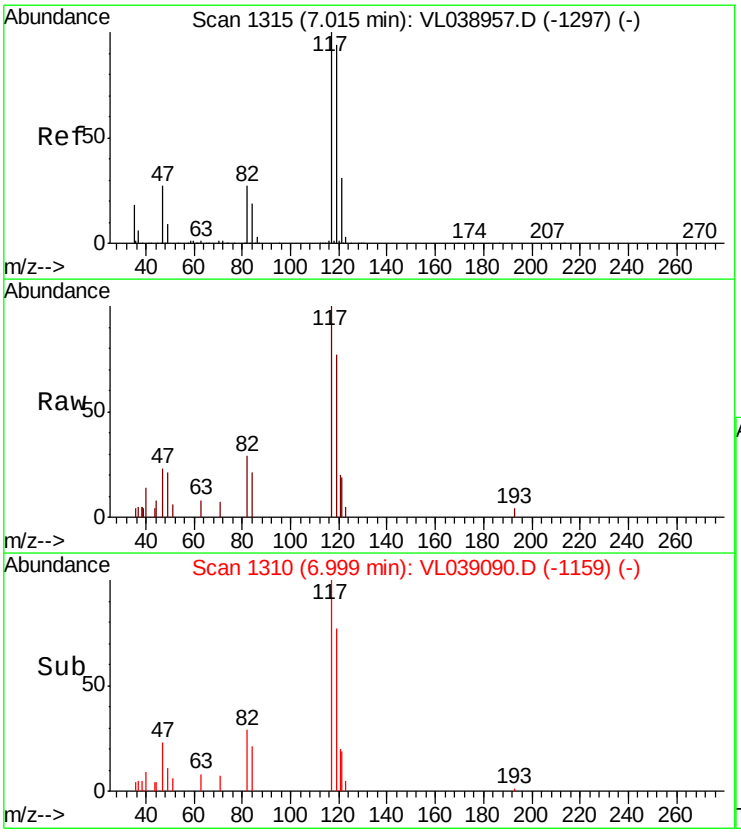
#34
2-Butanone
Concen: 0.318 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 43 Resp: 34783

Ion	Ratio	Lower	Upper
43	100		
72	27.6	17.8	26.6#

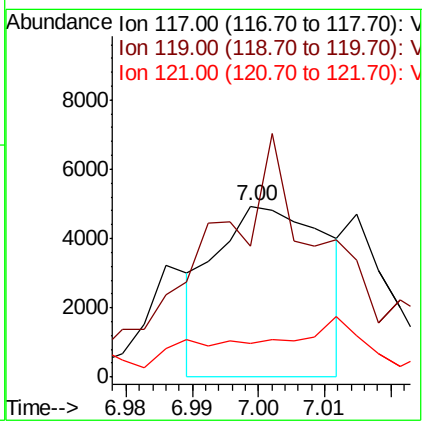


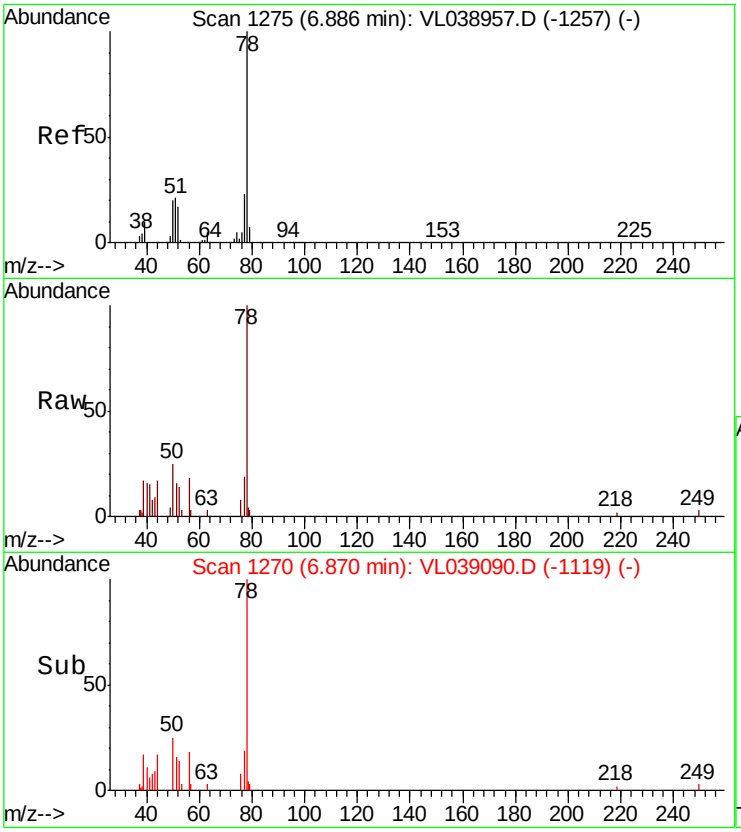


#35
Carbon Tetrachloride
Concen: 0.041 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.02 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion:117 Resp: 5760

Ion	Ratio	Lower	Upper
117	100		
119	54.4	75.2	112.8#
121	0.0	24.6	37.0#



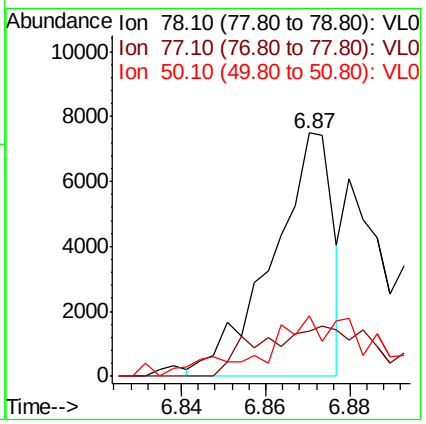


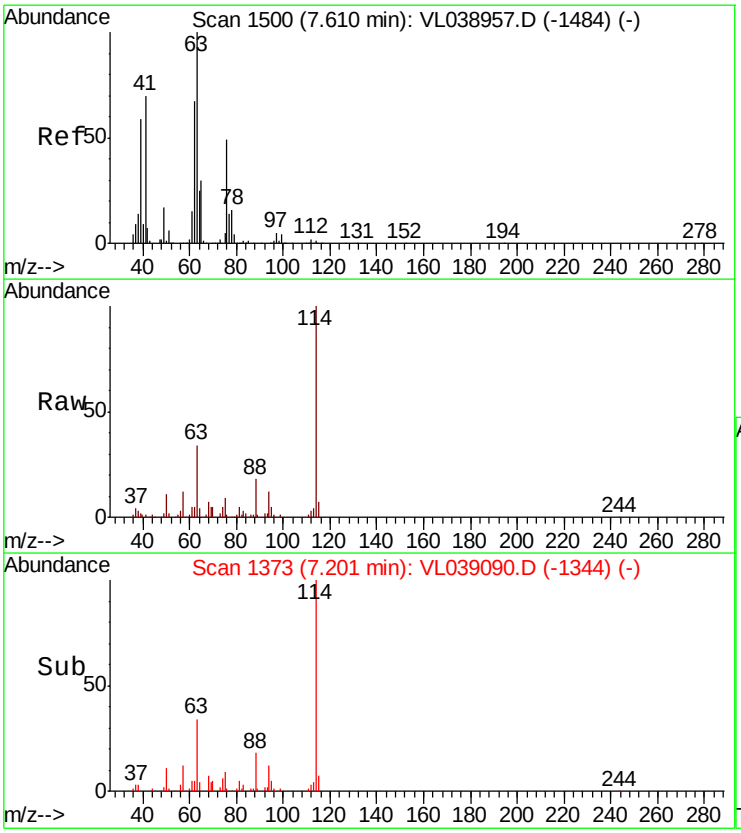
#36
Benzene
Concen: 0.041 ppbv
RT: 6.87
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 78 Resp: 7468

Ion	Ratio	Lower	Upper
78	100		
77	18.5	18.6	28.0#
50	14.1	15.6	23.4#

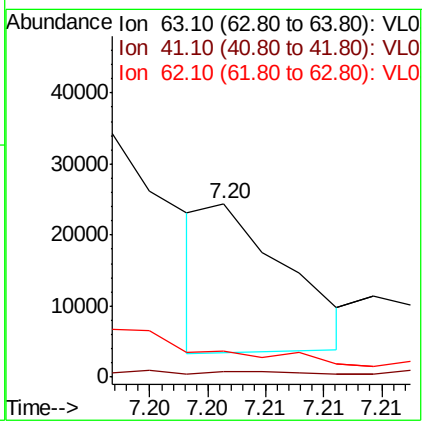


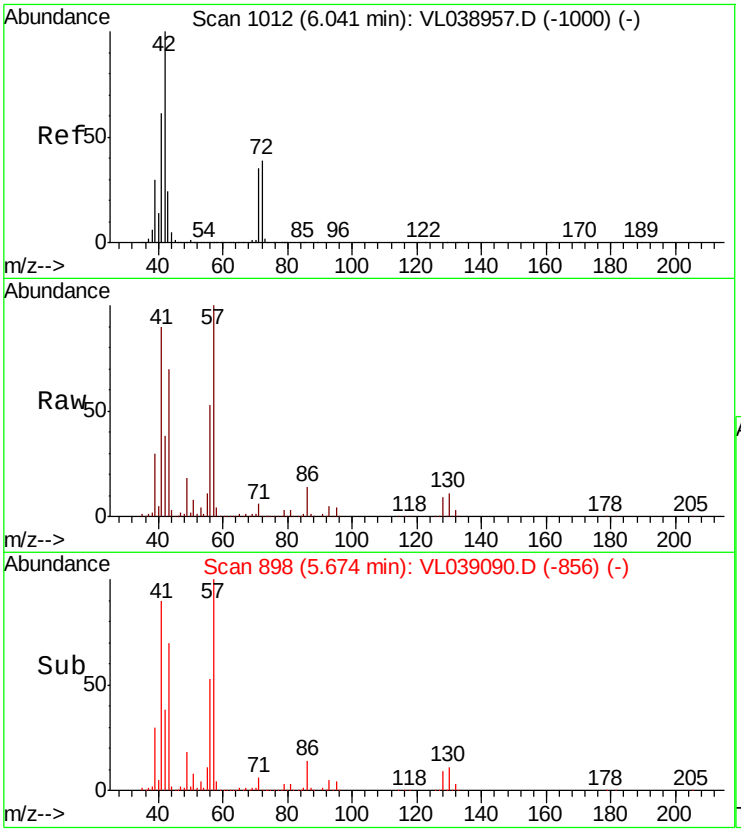


#39
1,2-Dichloropropane
Concen: 0.141 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. -0.41 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 63 Resp: 10082

Ion	Ratio	Lower	Upper
63	100		
41	3.2	55.9	83.9#
62	12.1	53.8	80.6#



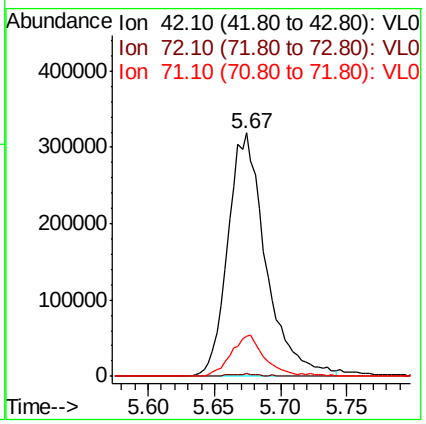


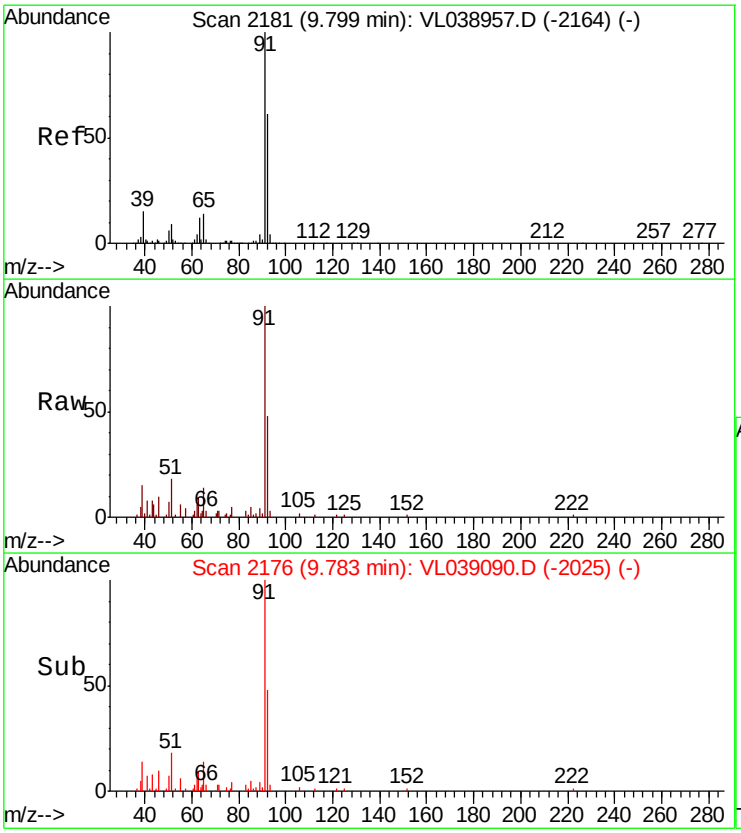
#41
Tetrahydrofuran
Concen: 8.628 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 42 Resp: 634626

Ion	Ratio	Lower	Upper
42	100		
72	1.0	31.8	47.6#
71	15.7	30.6	45.8#

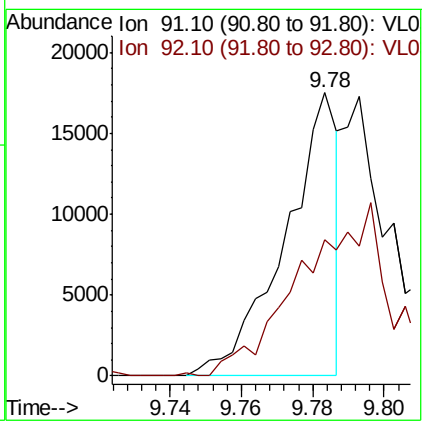


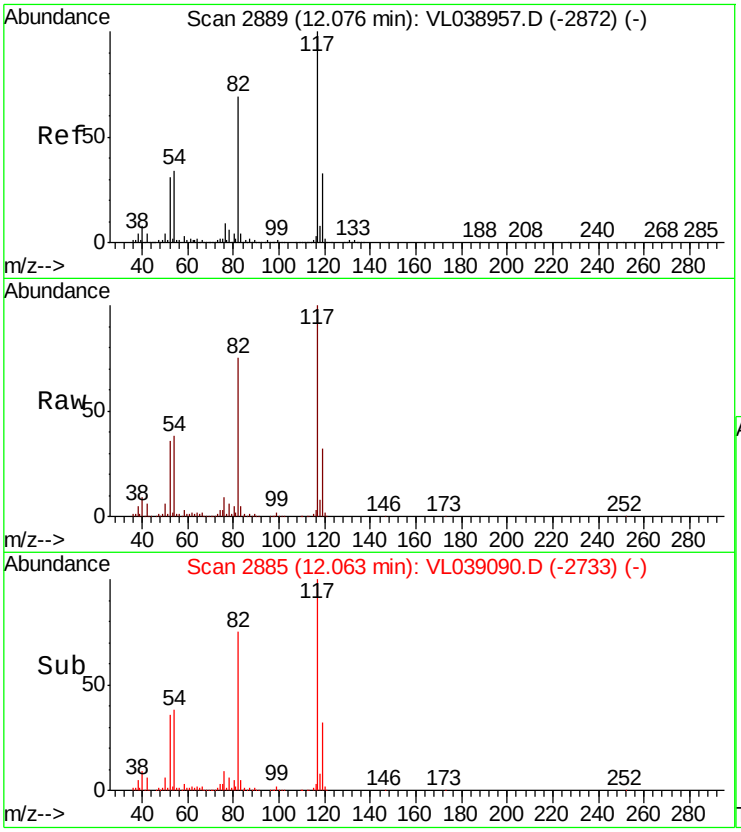


#53
Toluene
Concen: 0.087 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 91 Resp: 17843

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.2#



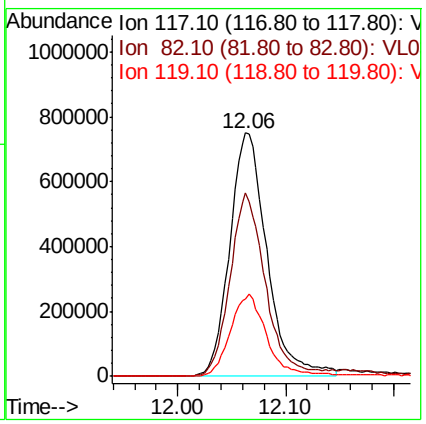


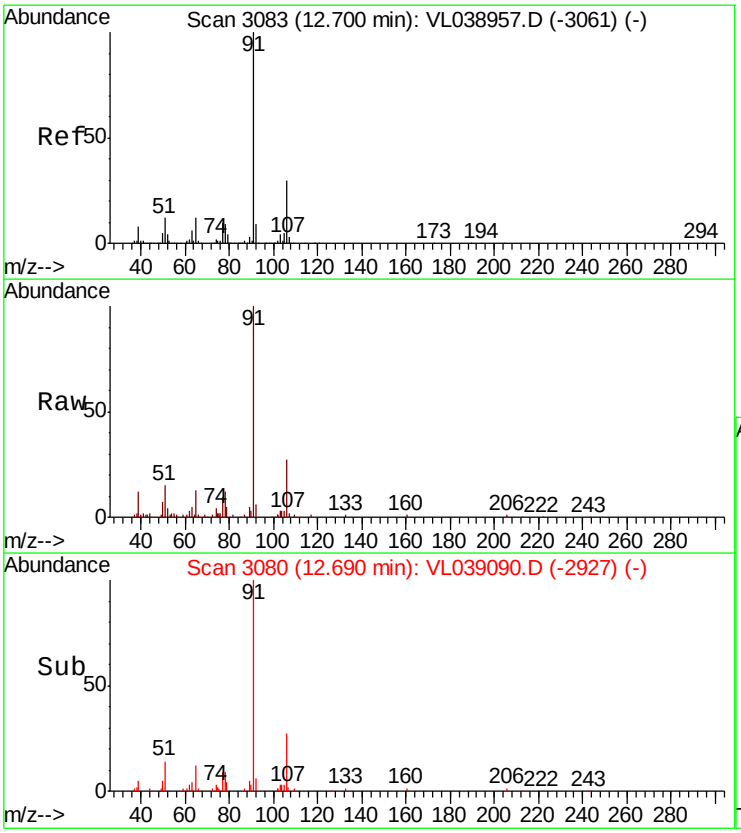
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion:117 Resp: 1806725

Ion	Ratio	Lower	Upper
117	100		
82	71.6	57.0	85.6
119	33.5	27.2	40.8

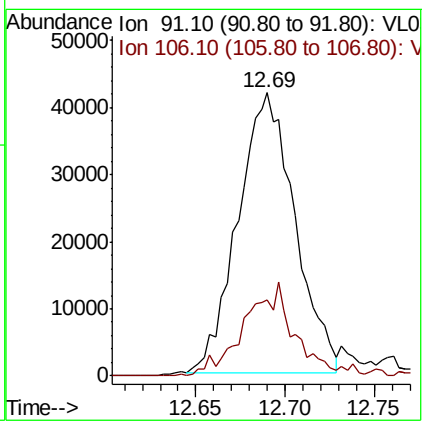


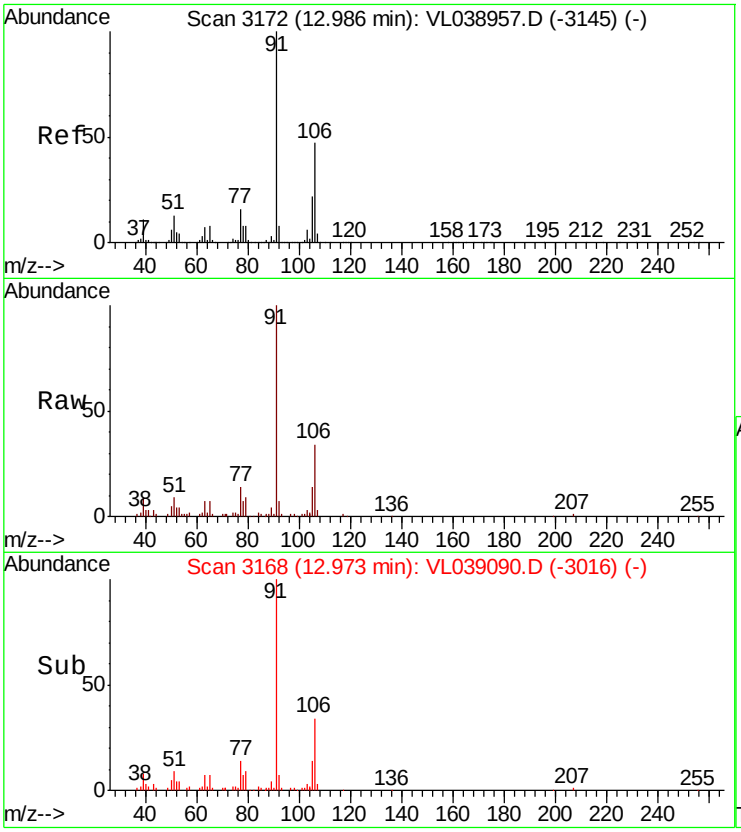


#58
Ethyl Benzene
Concen: 0.358 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.01 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 91 Resp: 93016

Ion	Ratio	Lower	Upper
91	100		
106	27.1	24.2	36.4



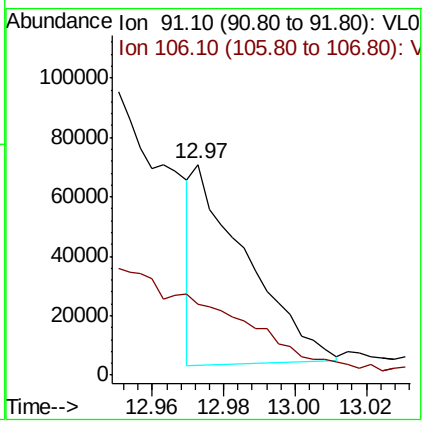


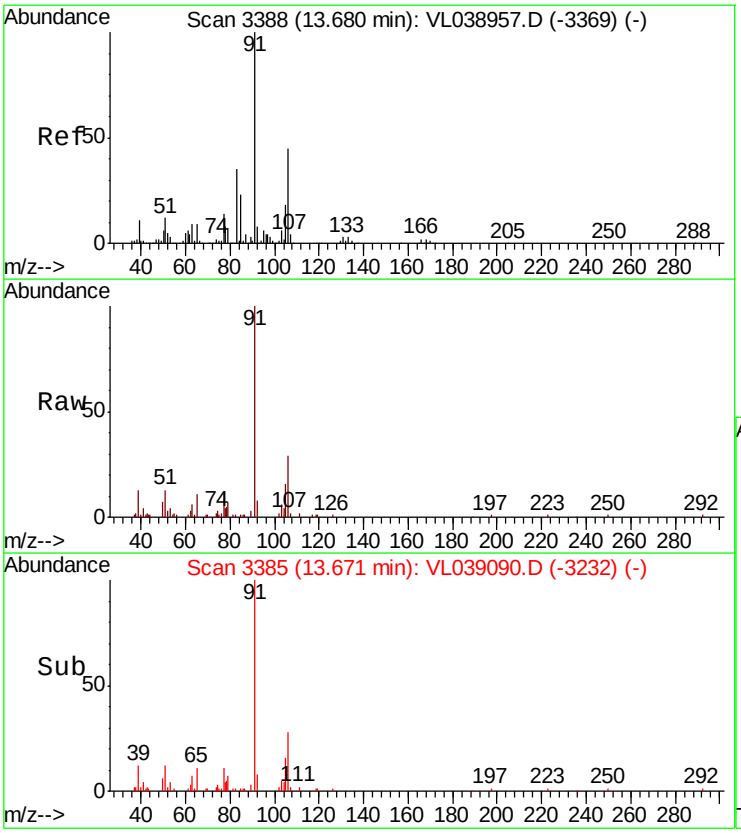
#59
m/p-Xylene
Concen: 0.315 ppbv
RT: 12.97
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 91 Resp: 70016

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.6	52.0#

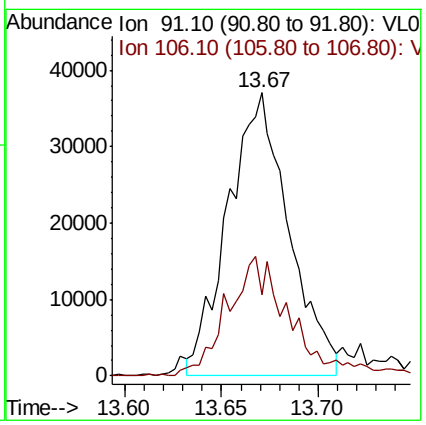


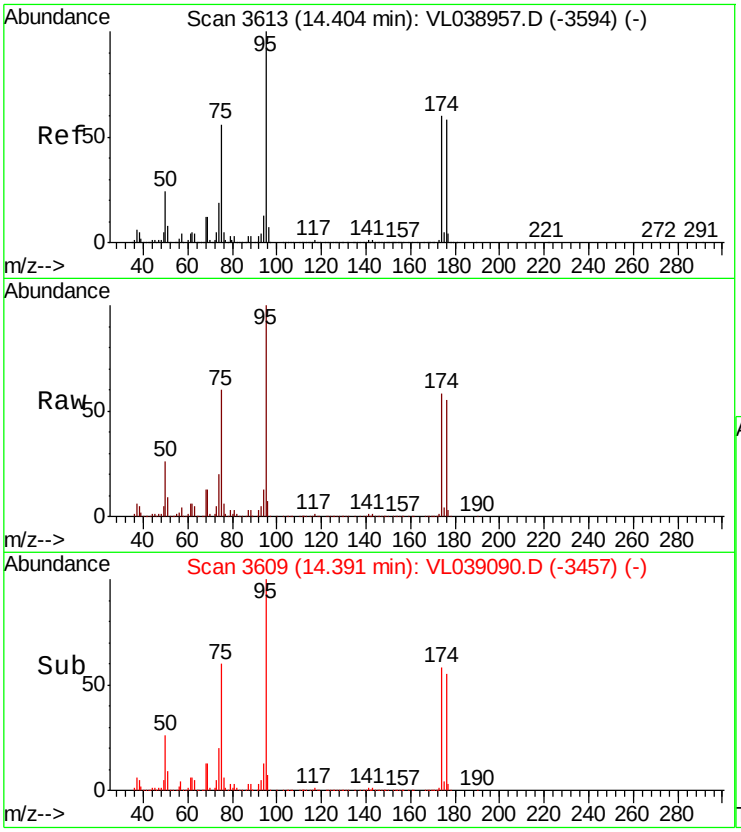


#60
o-Xylene
Concen: 0.388 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 91 Resp: 81106

Ion	Ratio	Lower	Upper
91	100		
106	44.8	22.2	66.6



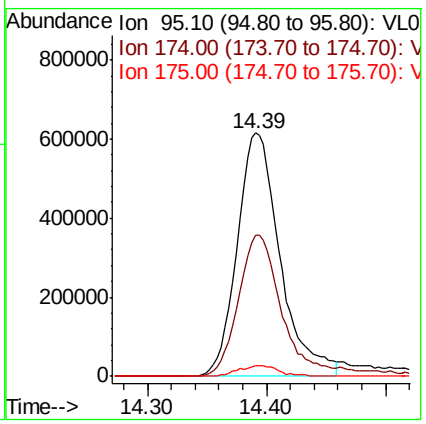


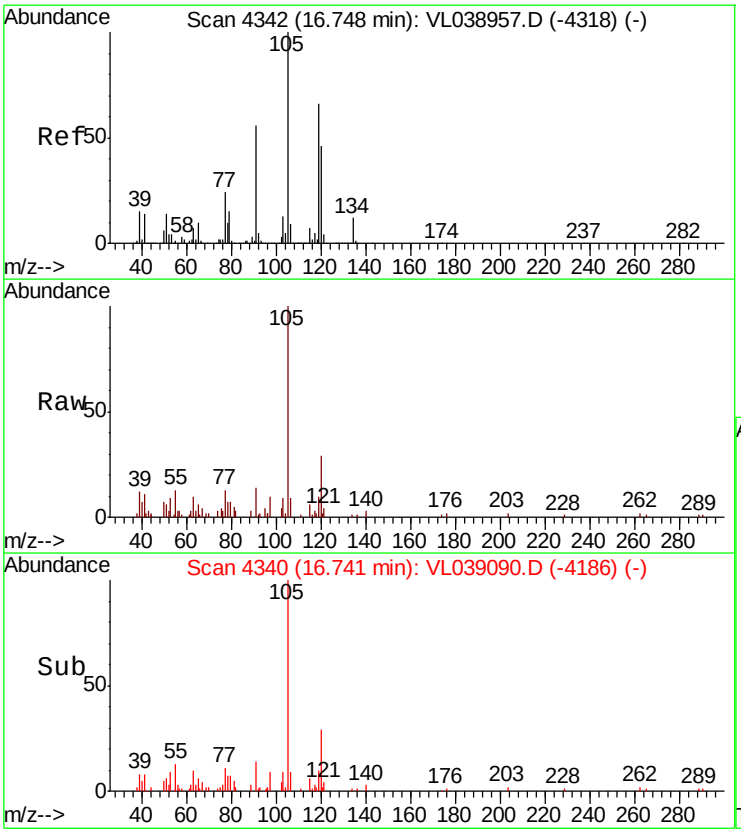
#68
1-Bromo-4-Fluorobenzene
Concen: 10.760 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 95 Resp: 1539599

Ion	Ratio	Lower	Upper
95	100		
174	62.9	50.8	76.2
175	4.6	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.181 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.01 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion:105 Resp: 42512

Ion	Ratio	Lower	Upper
105	100		
120	29.9	36.9	55.3#
91	15.8	45.0	67.4#
77	11.9	19.2	28.8#