Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039106.D
Acq On : 24 May 2022 5:43
Operator : SY/AP
Sample : N2957-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : APB-1

Quant Time: May 24 08:44:47 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	1016345	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.15	114	2687137	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.06	117	2231123	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	1815860	10.28	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.80%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.98	51	100601	0.798	ppbv	#	79
4) Chloromethane	3.13	50	44320	0.702	ppbv	#	82
9) Propene	3.00	41	176861	3.211	ppbv		96
10) Heptane	8.10	43	61745	0.457	ppbv	#	44
11) Trichlorofluoromethane	3.94	101	35219	0.258	ppbv		84
13) Ethanol	3.59	45	542489	139.186	ppbv		91
15) Acetone	3.86	43	1093580	11.407	ppbv	#	73
16) 1,3-Butadiene	3.29	39	118493	2.151	ppbv	#	43
19) Isopropyl Alcohol	3.95	45	131193	2.878	ppbv	#	83
20) Methylene Chloride	4.33	84	47015	1.301	ppbv		92
21) Allyl Chloride	4.35	41	39637	0.607	ppbv	#	61
23) Vinyl Acetate	5.04	43	93866	1.237	ppbv	#	1
25) Ethyl Acetate	5.66	43	112961	0.492	ppbv	#	92
26) Hexane	5.67	57	246604	2.419	ppbv	#	42
30) Cyclohexane	7.11	84	40908	0.479	ppbv	#	70
34) 2-Butanone	5.23	43	57745	0.421	ppbv	#	86
35) Carbon Tetrachloride	6.99	117	8370	0.047	ppbv	#	75
36) Benzene	6.87	78	423097	1.840	ppbv		98
39) 1,2-Dichloropropane	7.15	63	689871	7.710	ppbv	#	27
44) 2,2,4-Trimethylpentane	7.85	57	655420	1.624	ppbv		93
53) Toluene	9.78	91	810932	3.146	ppbv		97
58) Ethyl Benzene	12.68	91	74808	0.233	ppbv		95
59) m/p-Xylene	12.95	91	126052	0.460	ppbv	#	33
60) o-Xylene	13.66	91	50009	0.194	ppbv	#	32
61) Styrene	13.49	104	4242	0.031	ppbv	#	1
72) 4-Ethyltoluene	15.80	105	12052	0.041	ppbv	#	32
73) 1,3,5-Trimethylbenzene	15.97	105	11832	0.045	ppbv		89
74) 1,2,4-Trimethylbenzene	16.72	105	26302	0.091	ppbv	#	63

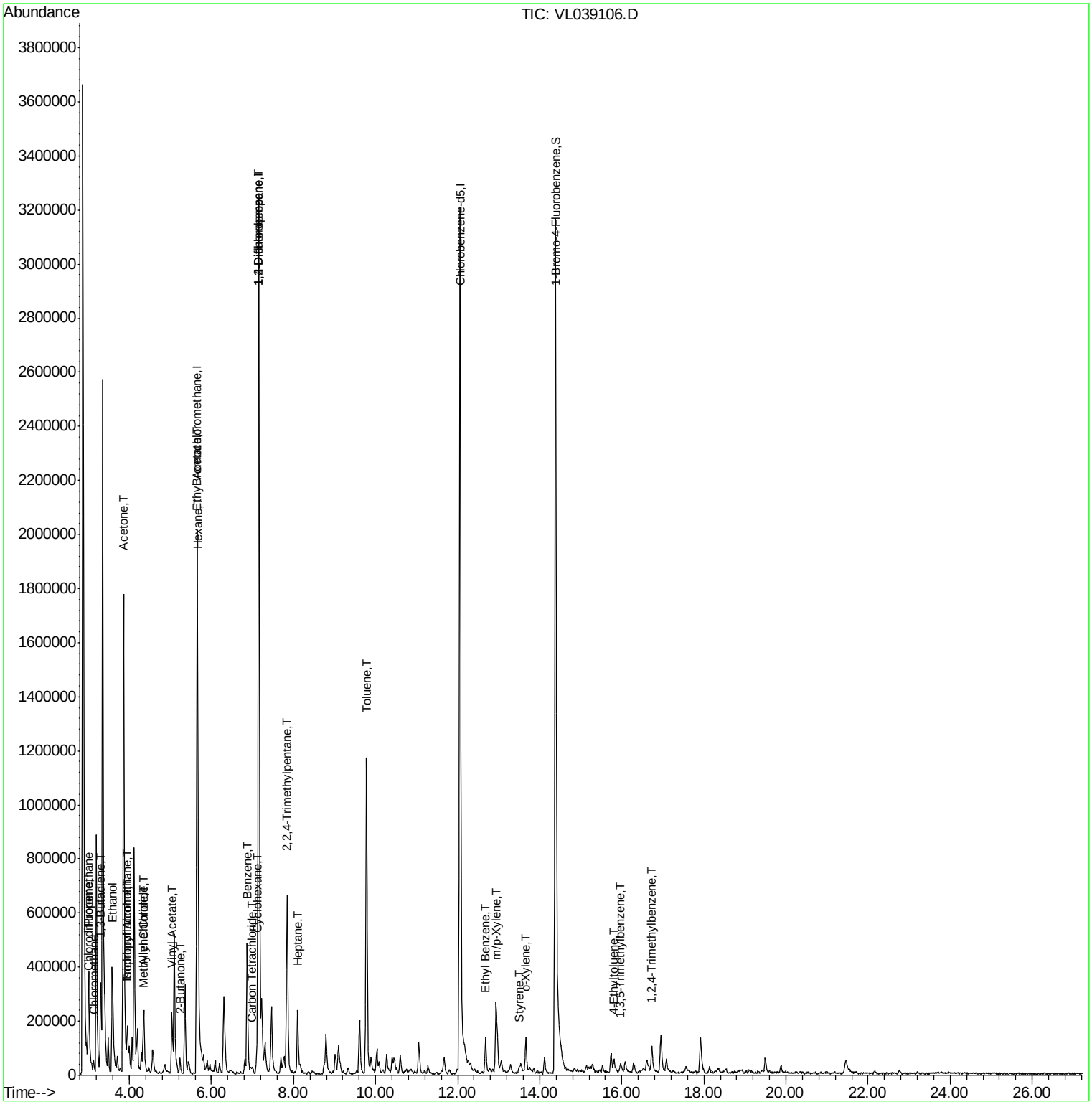
(#) = qualifier out of range (m) = manual integration (+) = signals summed

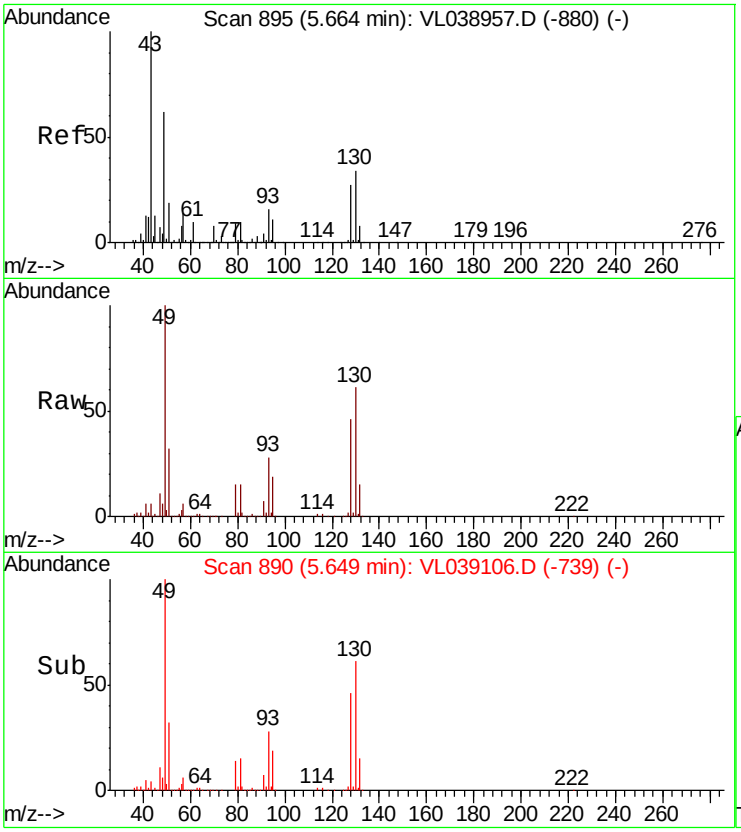
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039106.D
Acq On : 24 May 2022 5:43
Operator : SY/AP
Sample : N2957-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Quant Time: May 24 08:44:47 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



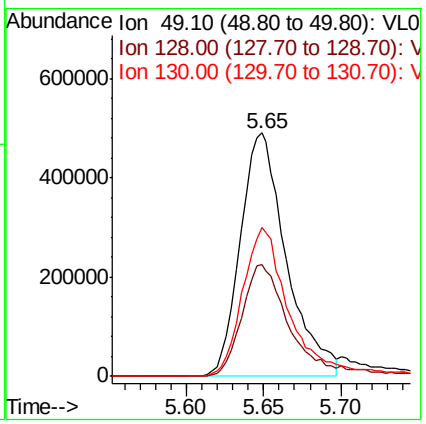


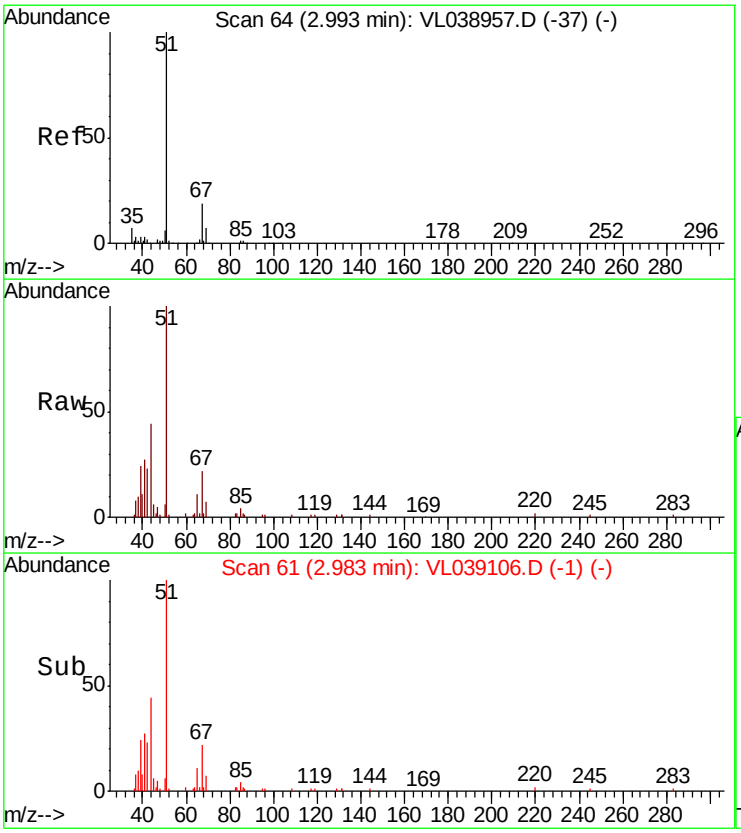
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 49 Resp: 1016345

Ion	Ratio	Lower	Upper
49	100		
128	50.0	23.3	69.8
130	65.4	29.8	89.3

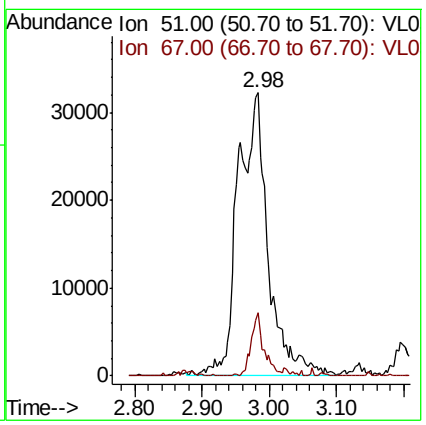


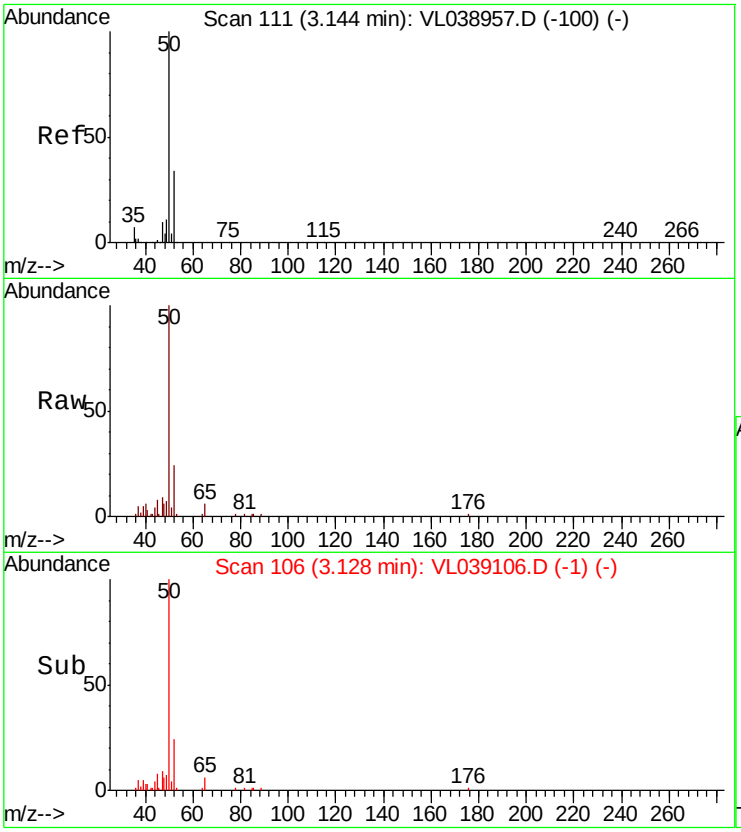


#3
Chlorodifluoromethane
Concen: 0.798 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.01 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 51 Resp: 100601

Ion	Ratio	Lower	Upper
51	100		
67	10.4	15.8	23.8#



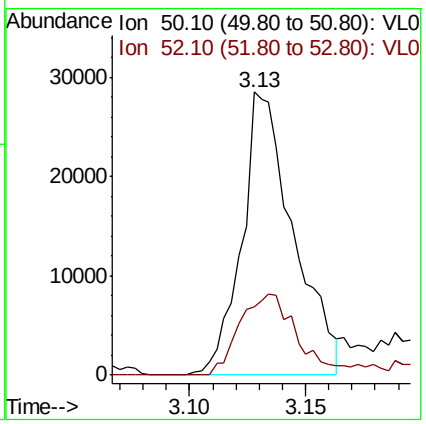


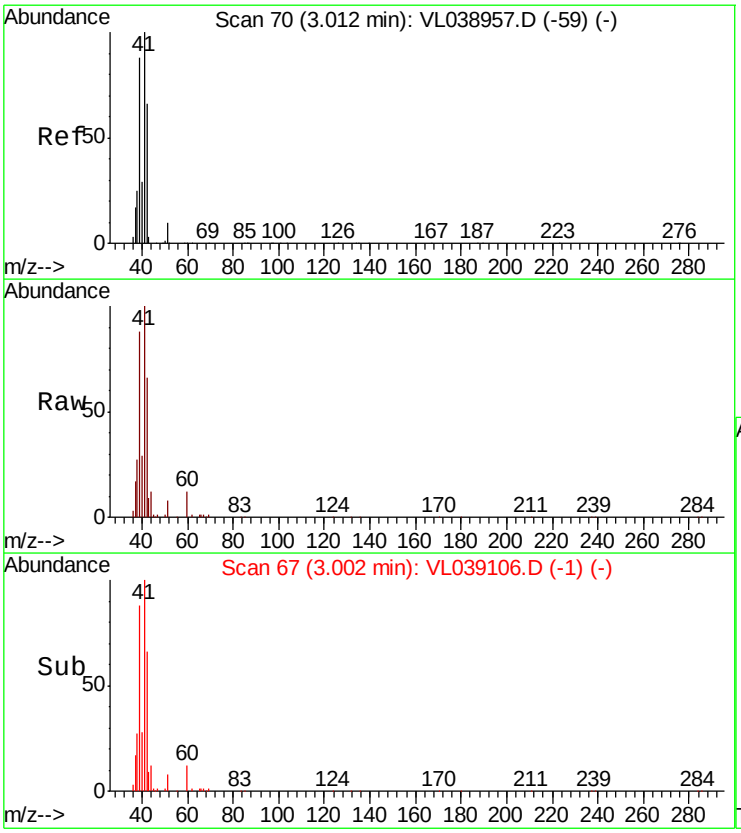
#4
Chloromethane
Concen: 0.702 ppbv
RT: 3.13
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 50 Resp: 44320

Ion	Ratio	Lower	Upper
50	100		
52	23.9	27.3	40.9#

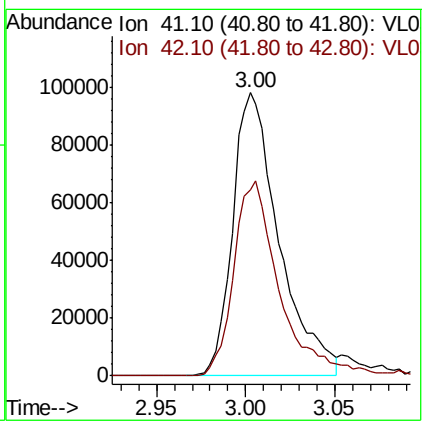


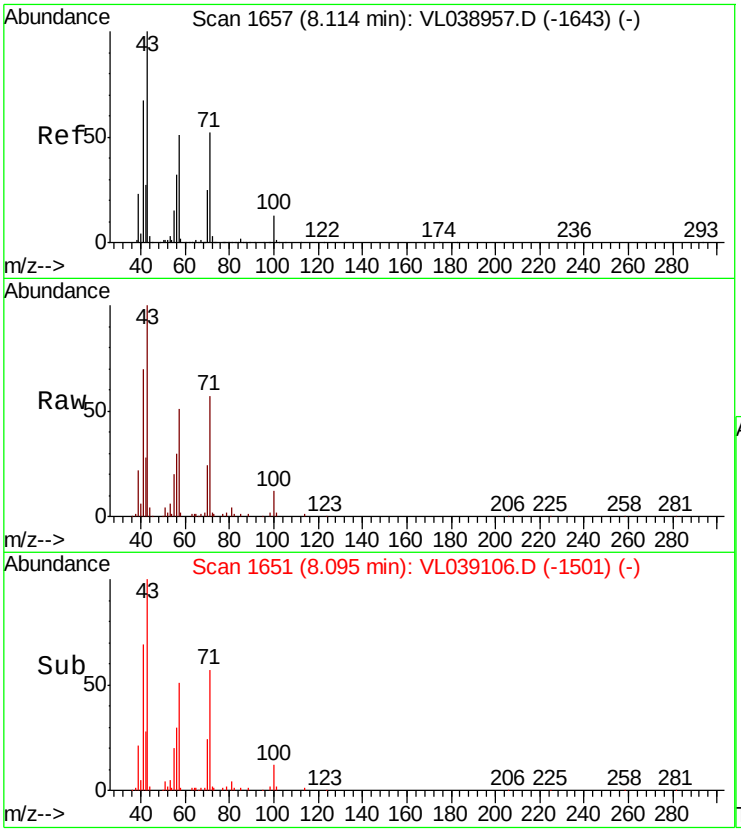


#9
Propene
Concen: 3.211 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.01 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 41 Resp: 176861

Ion	Ratio	Lower	Upper
41	100		
42	69.3	58.3	87.5



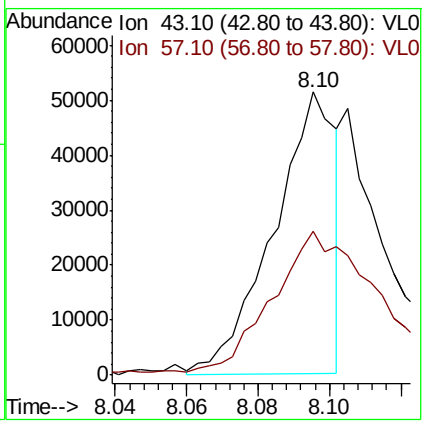


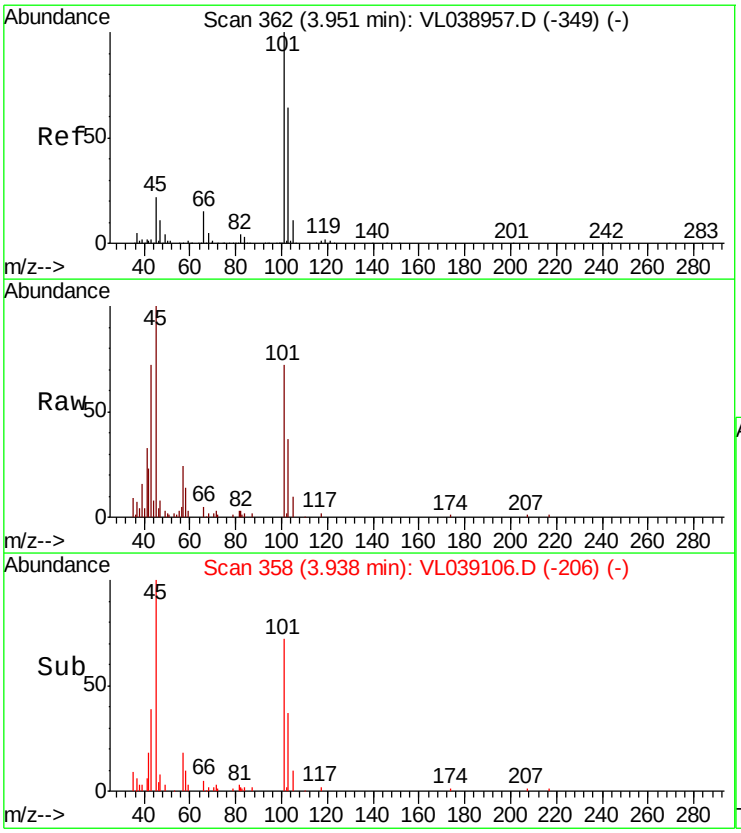
#10
Heptane
Concen: 0.457 ppbv
RT: 8.10
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 43 Resp: 61745

Ion	Ratio	Lower	Upper
43	100		
57	89.2	40.5	60.7#

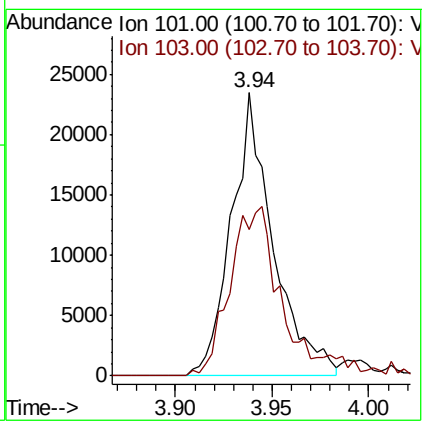


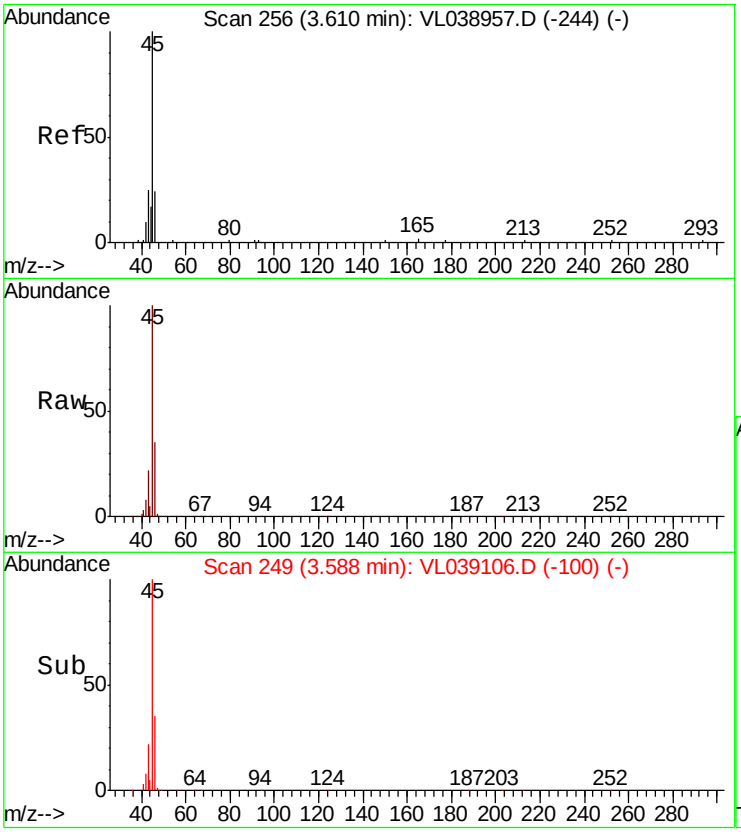


#11
Trichlorofluoromethane
Concen: 0.258 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.01 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion:101 Resp: 35219

Ion	Ratio	Lower	Upper
101	100		
103	51.8	51.5	77.3



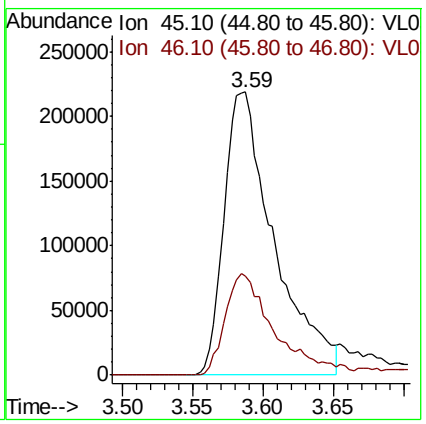


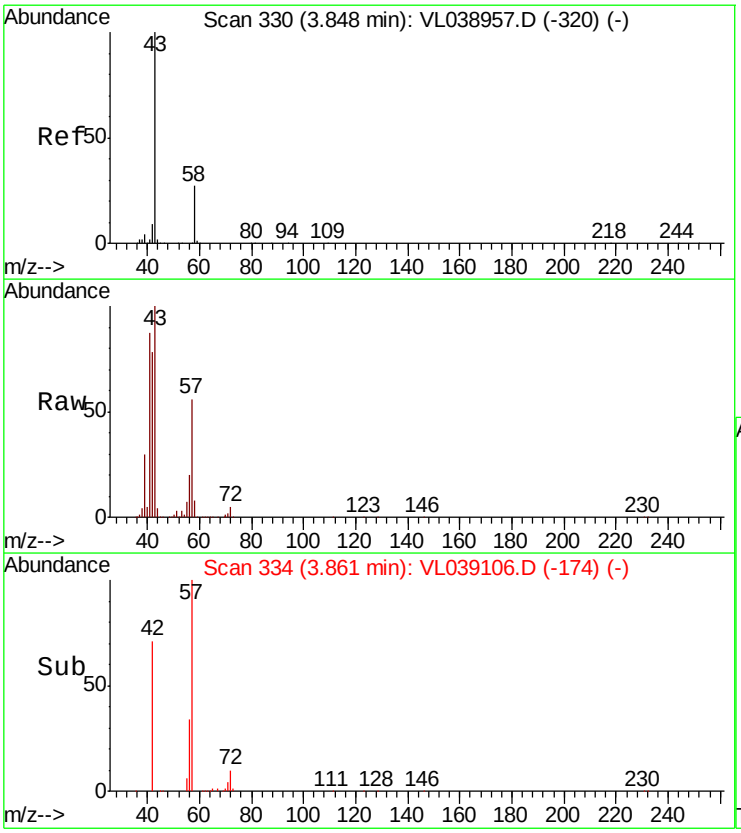
#13
Ethanol
Concen: 139.186 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 45 Resp: 542489

Ion	Ratio	Lower	Upper
45	100		
46	39.3	18.0	72.2

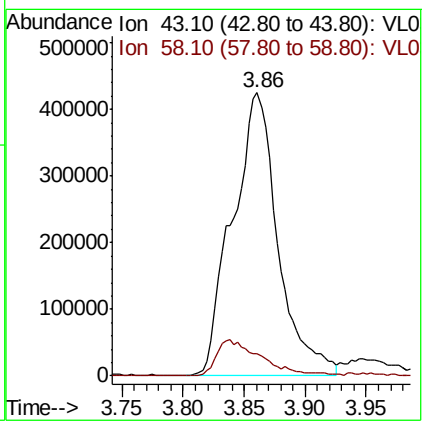


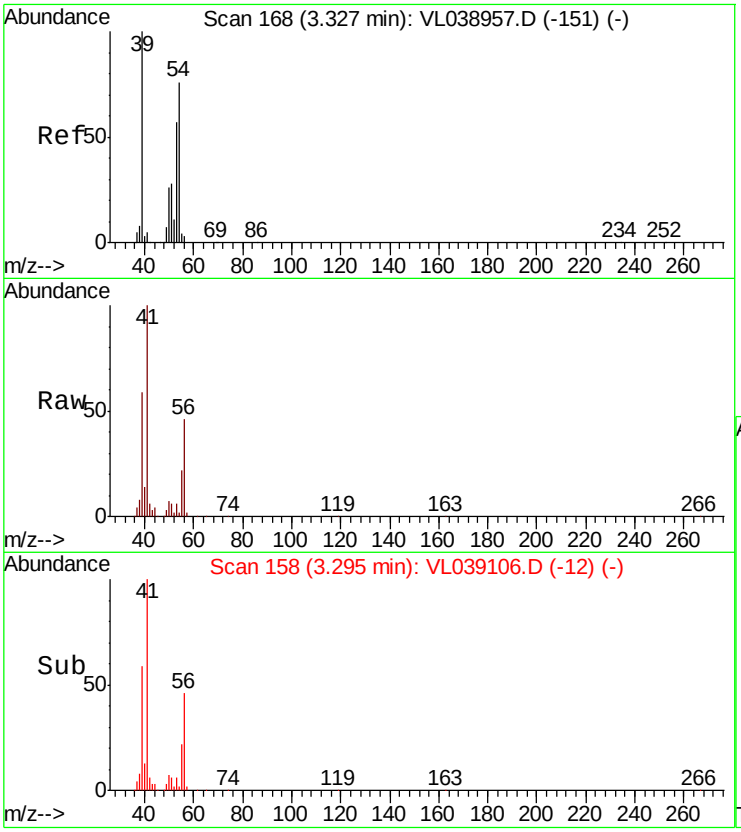


#15
Acetone
Concen: 11.407 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 43 Resp: 1093580

Ion	Ratio	Lower	Upper
43	100		
58	12.9	21.3	31.9#



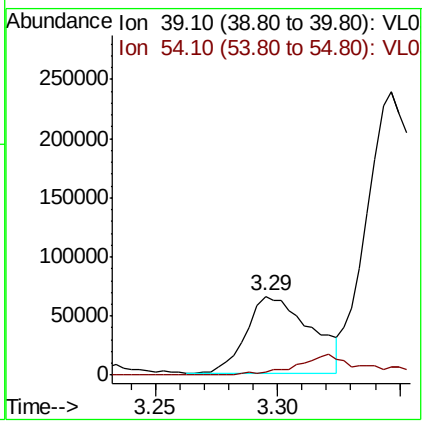


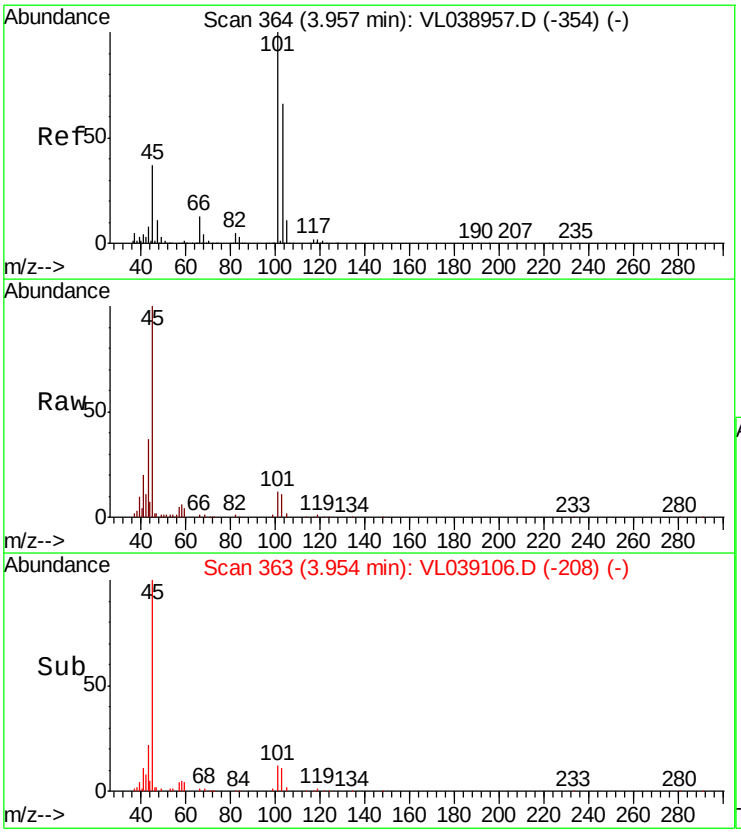
#16
1,3-Butadiene
Concen: 2.151 ppbv
RT: 3.29
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 39 Resp: 118493

Ion	Ratio	Lower	Upper
39	100		
54	30.3	65.2	97.8#

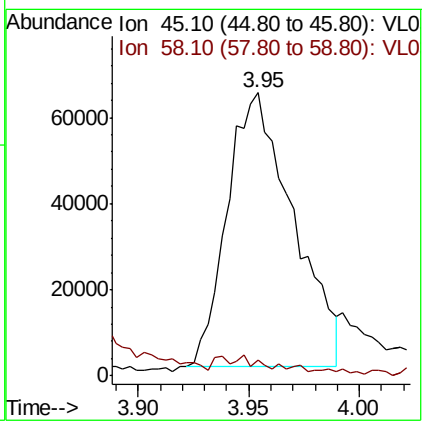


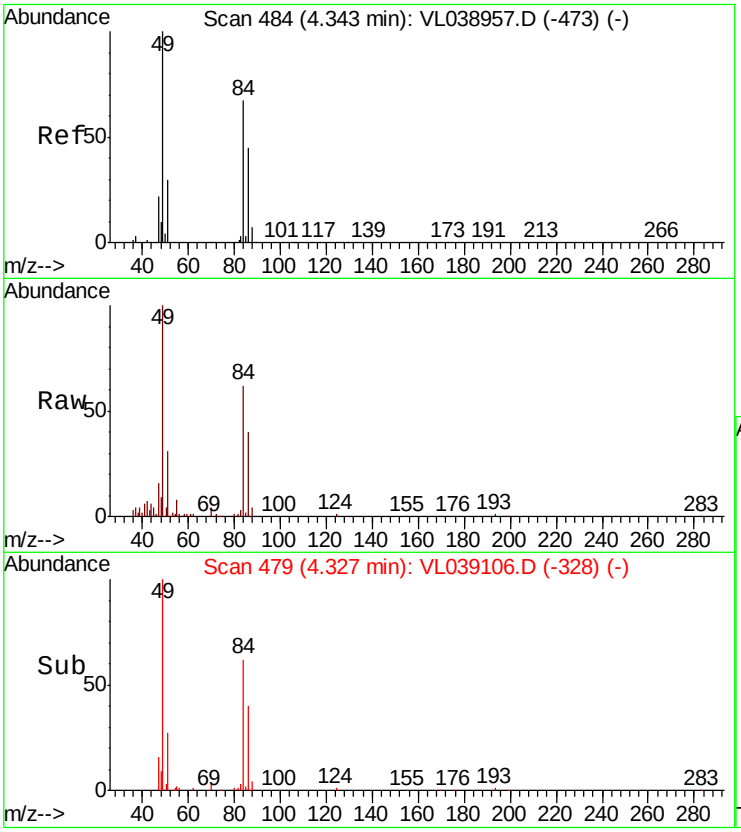


#19
Isopropyl Alcohol
Concen: 2.878 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 45 Resp: 131193

Ion	Ratio	Lower	Upper
45	100		
58	7.9	1.4	2.2#



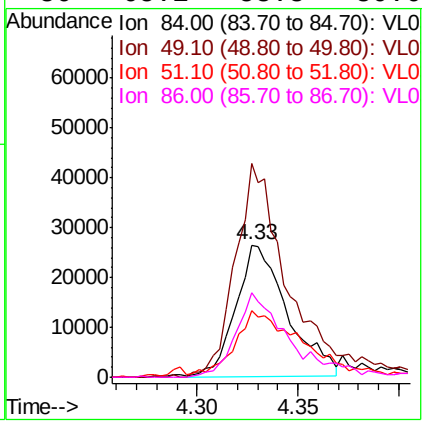


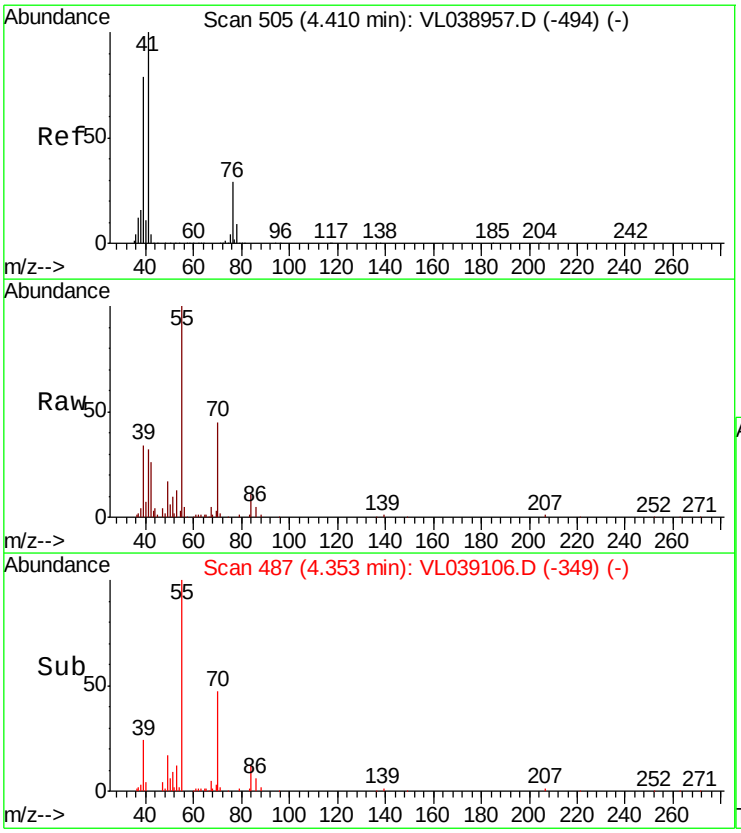
#20
Methylene Chloride
Concen: 1.301 ppbv
RT: 4.33
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument : MSVOA_L
ClientSampleId : APB-1

Tgt Ion: 84 Resp: 47015

Ion	Ratio	Lower	Upper
84	100		
49	163.5	119.9	179.9
51	48.8	35.7	53.5
86	65.1	53.8	80.6

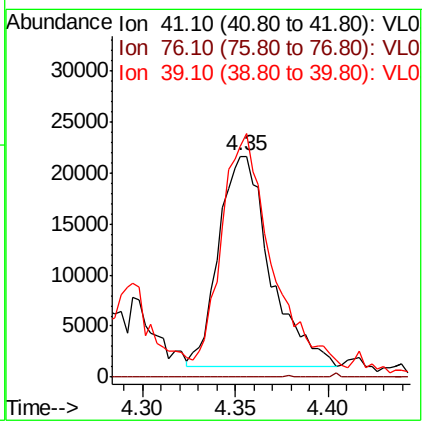


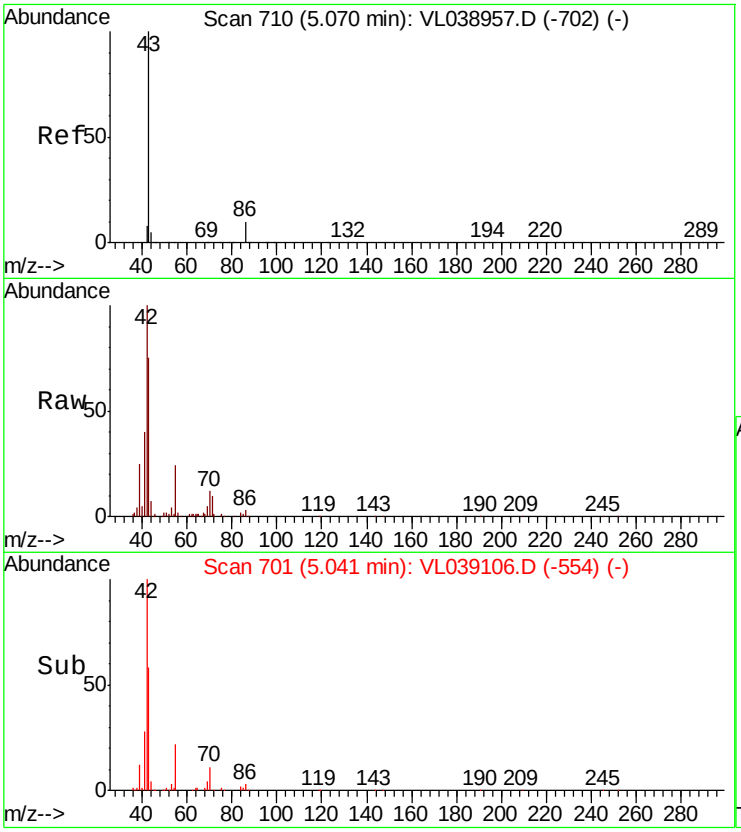


#21
Allyl Chloride
Concen: 0.607 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.06 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 41 Resp: 39637

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.4#
39	109.0	63.8	95.8#



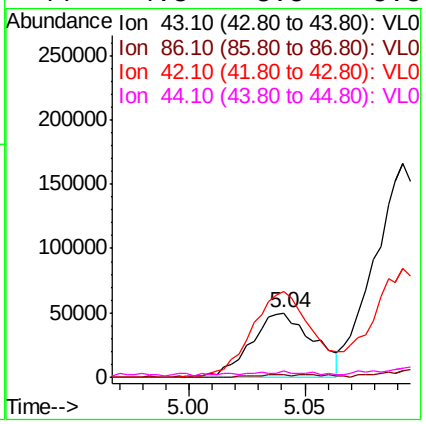


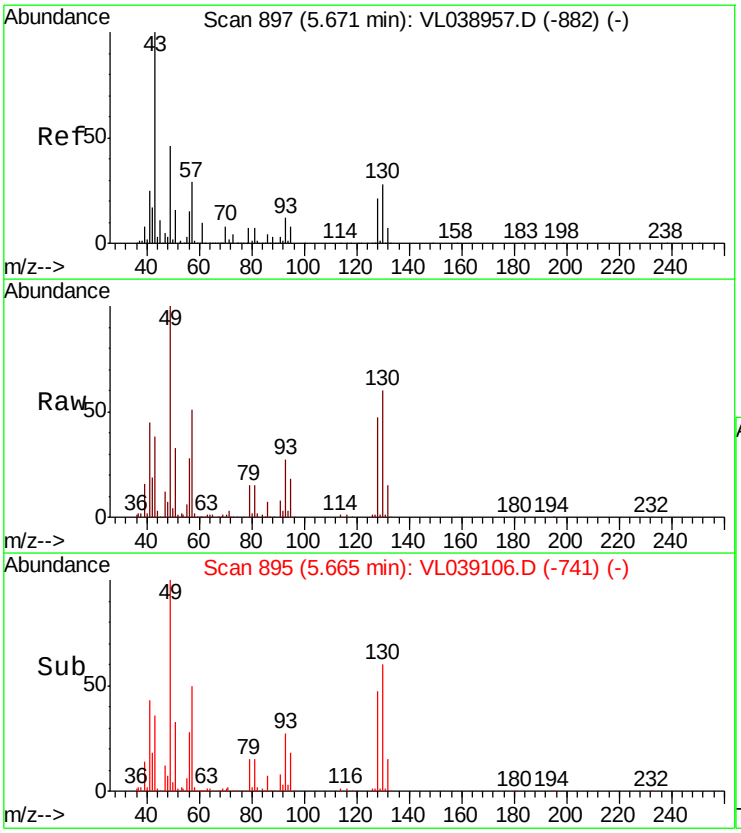
#23
Vinyl Acetate
Concen: 1.237 ppbv
RT: 5.04
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 43 Resp: 93866

Ion	Ratio	Lower	Upper
43	100		
86	4.4	6.6	9.8#
42	132.0	8.1	12.1#
44	4.3	3.5	5.3

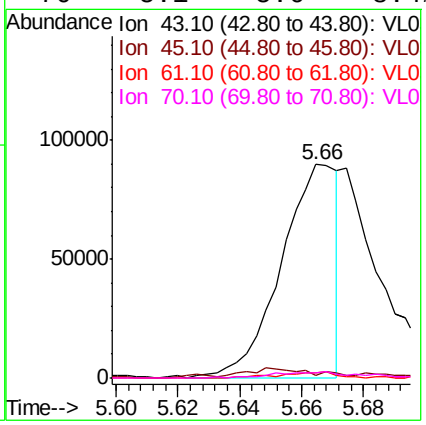


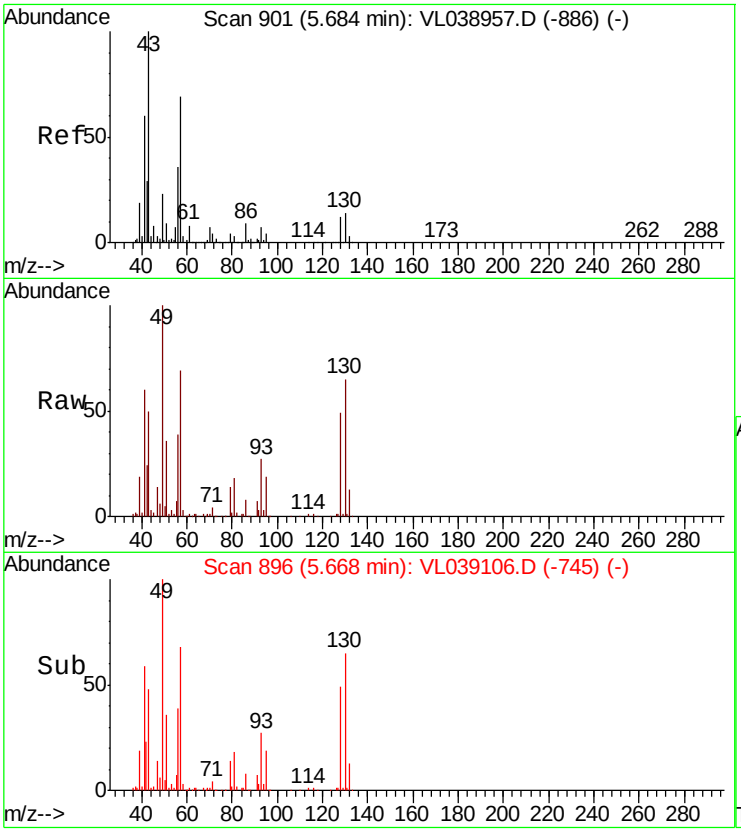


#25
Ethyl Acetate
Concen: 0.492 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 43 Resp: 112961

Ion	Ratio	Lower	Upper
43	100		
45	9.4	8.1	12.1
61	3.5	7.8	11.6#
70	5.1	5.6	8.4#



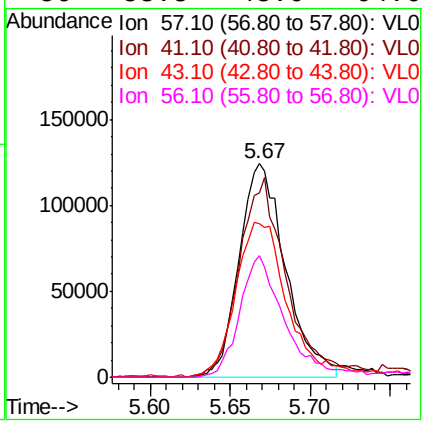


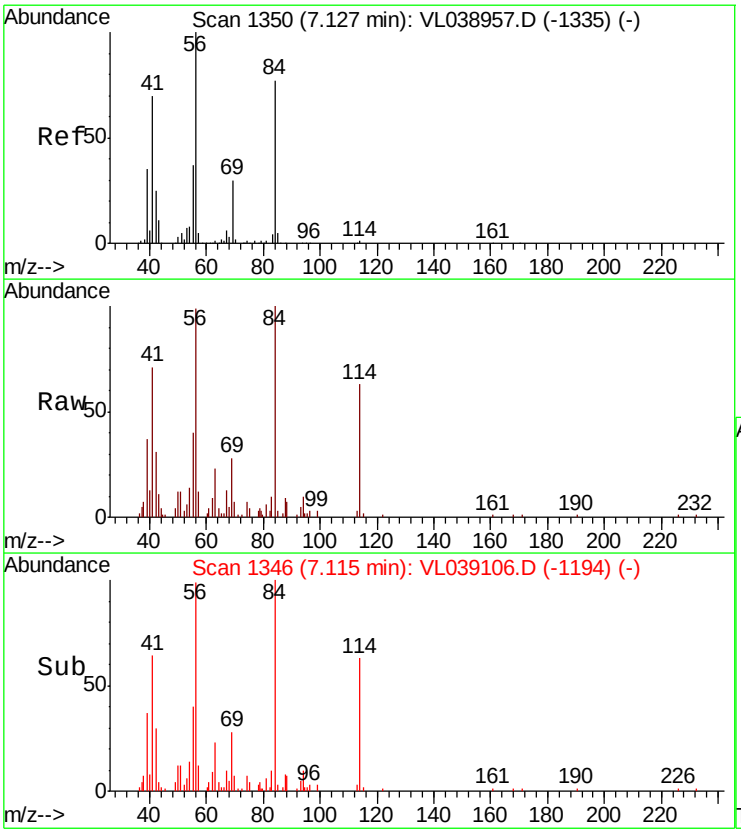
#26
Hexane
Concen: 2.419 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 57 Resp: 246604

Ion	Ratio	Lower	Upper
57	100		
41	99.4	75.2	112.8
43	85.8	190.8	286.2#
56	58.8	43.0	64.6

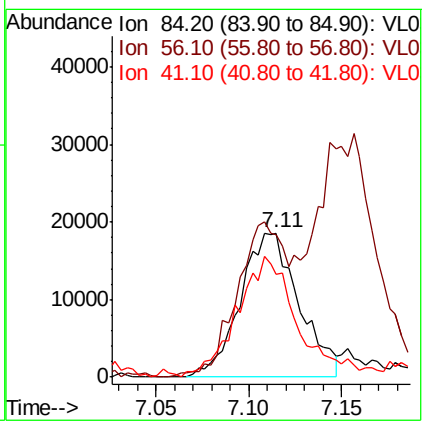


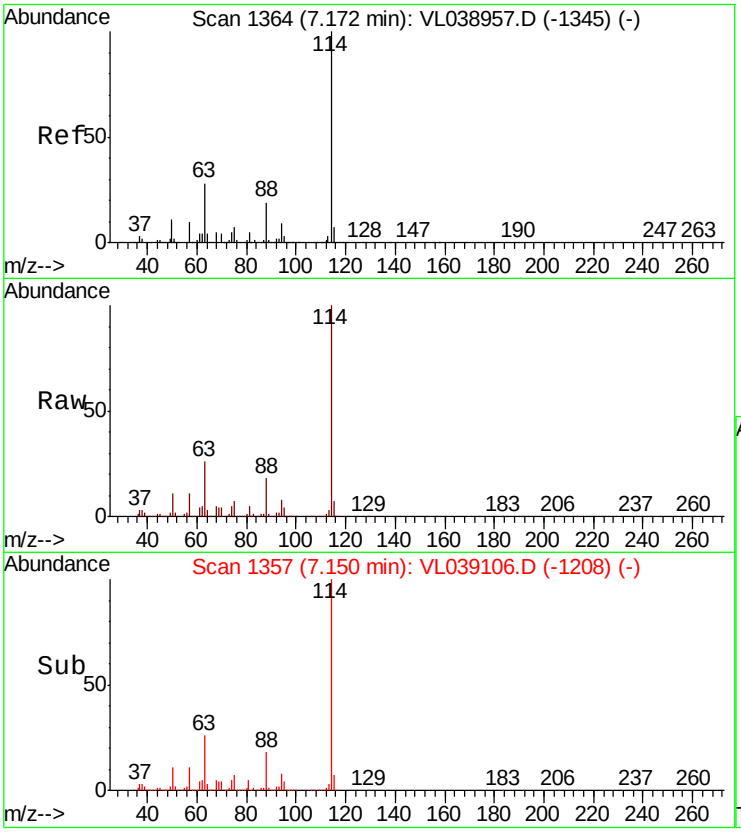


#30
Cyclohexane
Concen: 0.479 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.01 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 84 Resp: 40908

Ion	Ratio	Lower	Upper
84	100		
56	87.3	115.3	172.9#
41	84.8	72.0	108.0



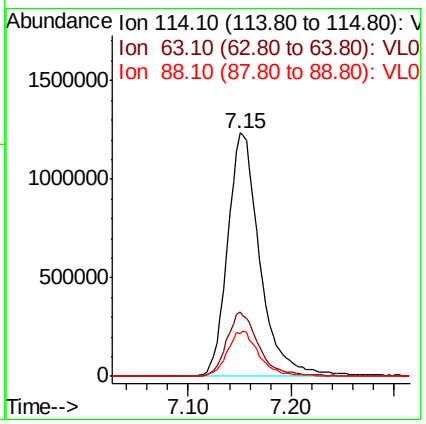


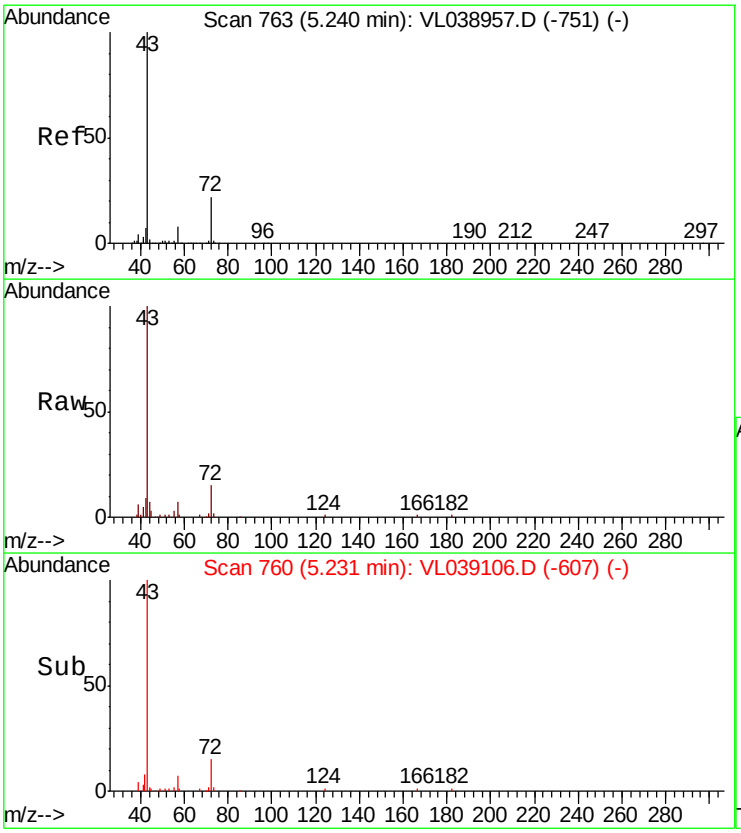
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion:114 Resp: 2687137

Ion	Ratio	Lower	Upper
114	100		
63	26.5	22.6	33.8
88	18.7	15.4	23.0

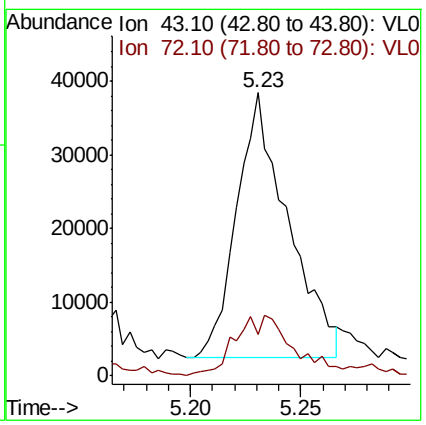


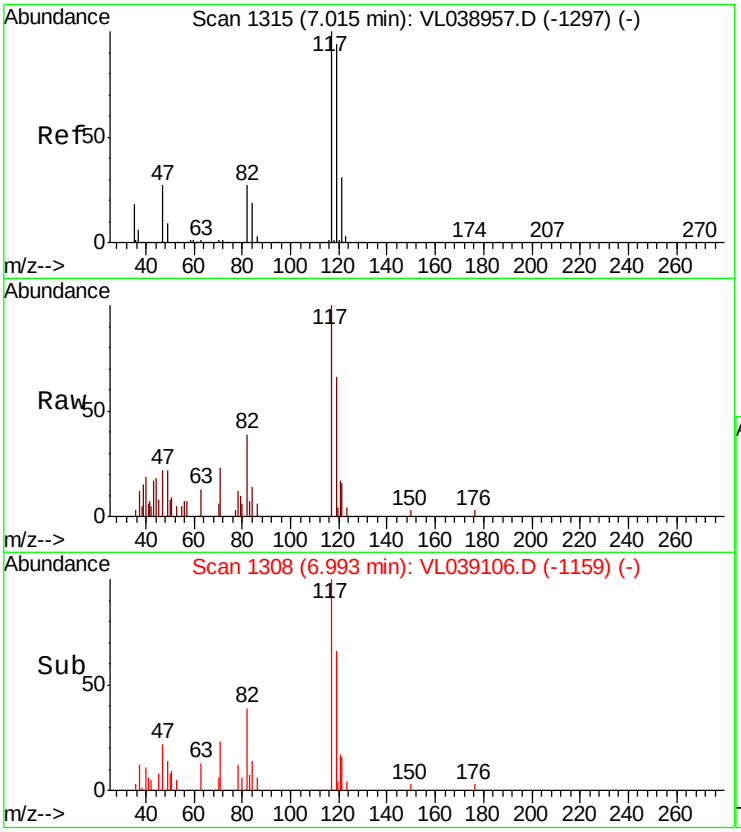


#34
2-Butanone
Concen: 0.421 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.01 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 43 Resp: 57745

Ion	Ratio	Lower	Upper
43	100		
72	29.0	17.8	26.6#



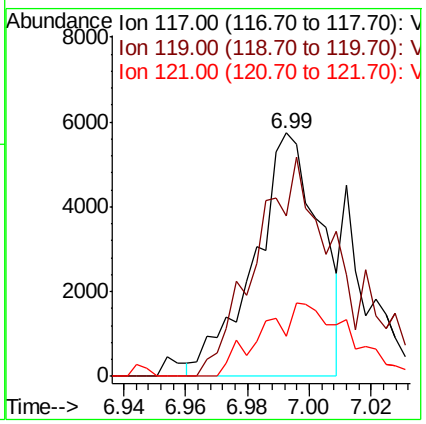


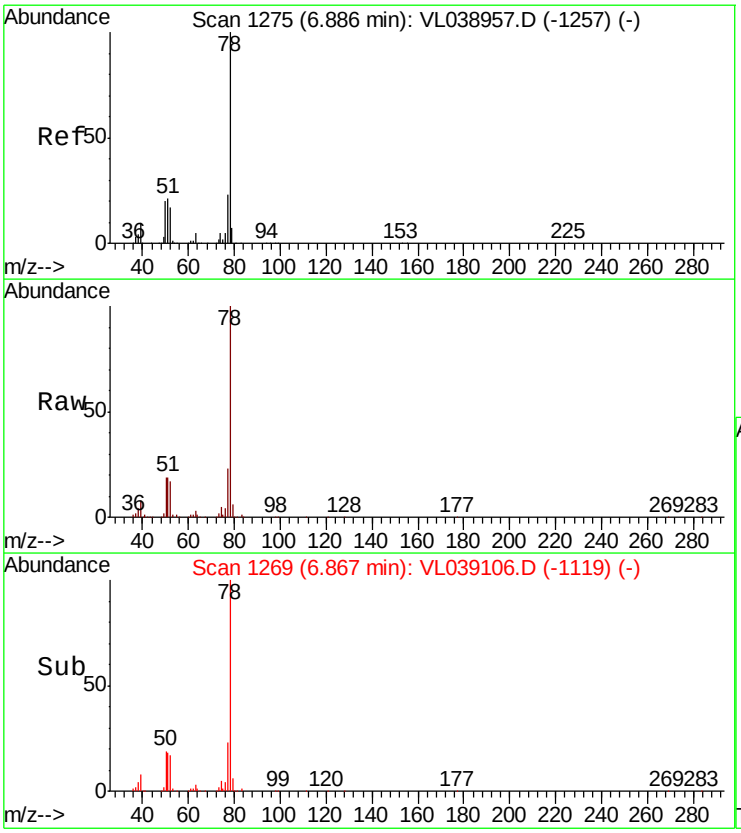
#35
Carbon Tetrachloride
Concen: 0.047 ppbv
RT: 6.99
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion:117 Resp: 8370

Ion	Ratio	Lower	Upper
117	100		
119	69.9	75.2	112.8#
121	17.4	24.6	37.0#

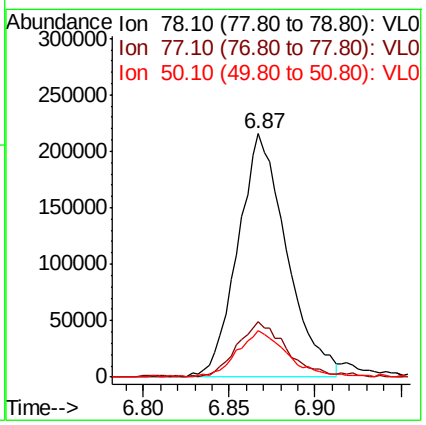


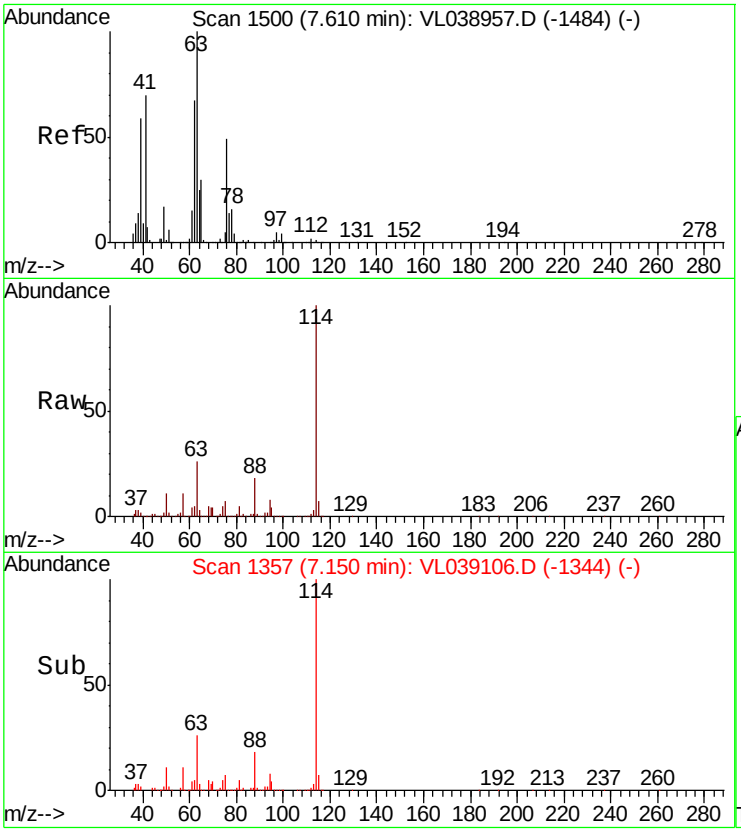


#36
Benzene
Concen: 1.840 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.02 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 78 Resp: 423097

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.6	28.0
50	18.5	15.6	23.4



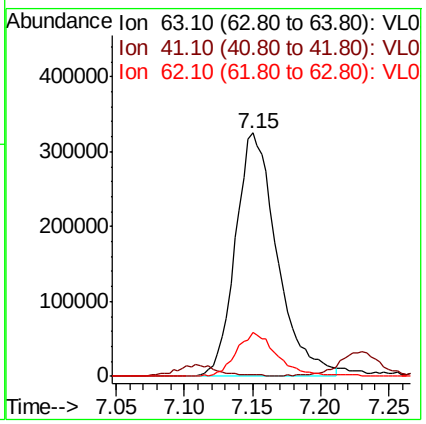


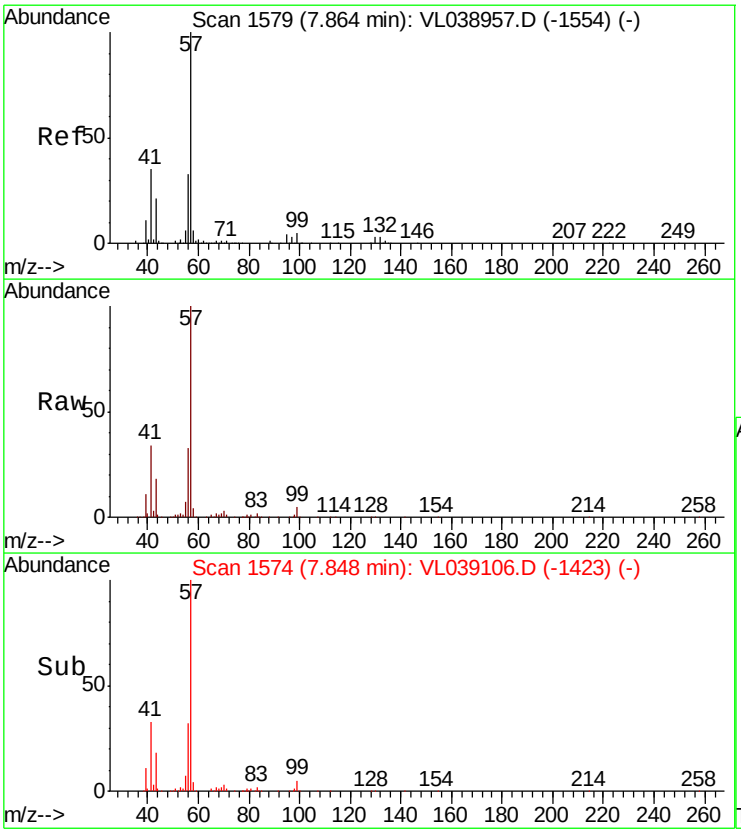
#39
1,2-Dichloropropane
Concen: 7.710 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 63 Resp: 689871

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	18.1	53.8	80.6#

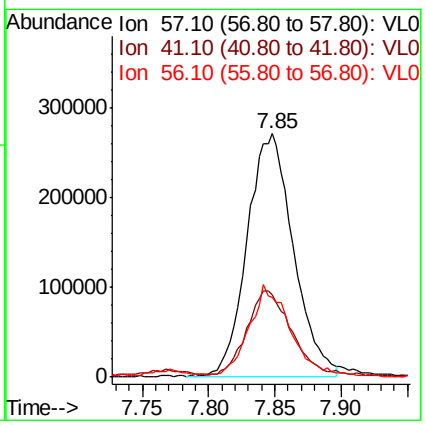


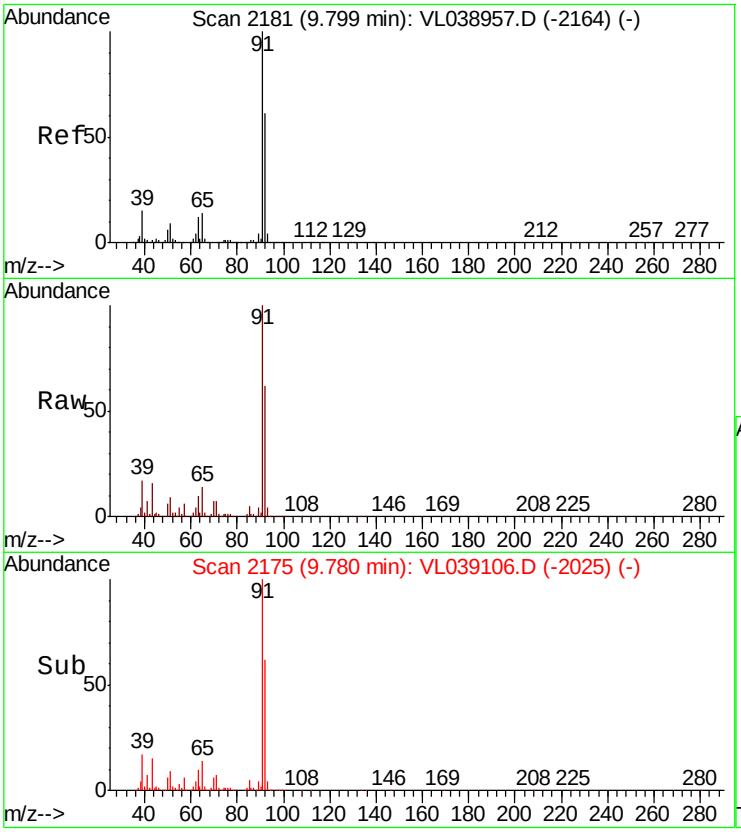


#44
2,2,4-Trimethylpentane
Concen: 1.624 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.02 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 57 Resp: 655420

Ion	Ratio	Lower	Upper
57	100		
41	36.8	26.3	39.5
56	34.9	24.6	37.0



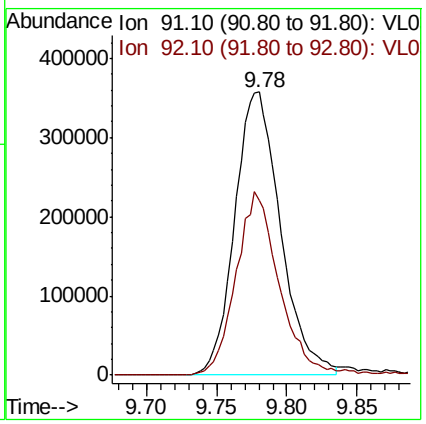


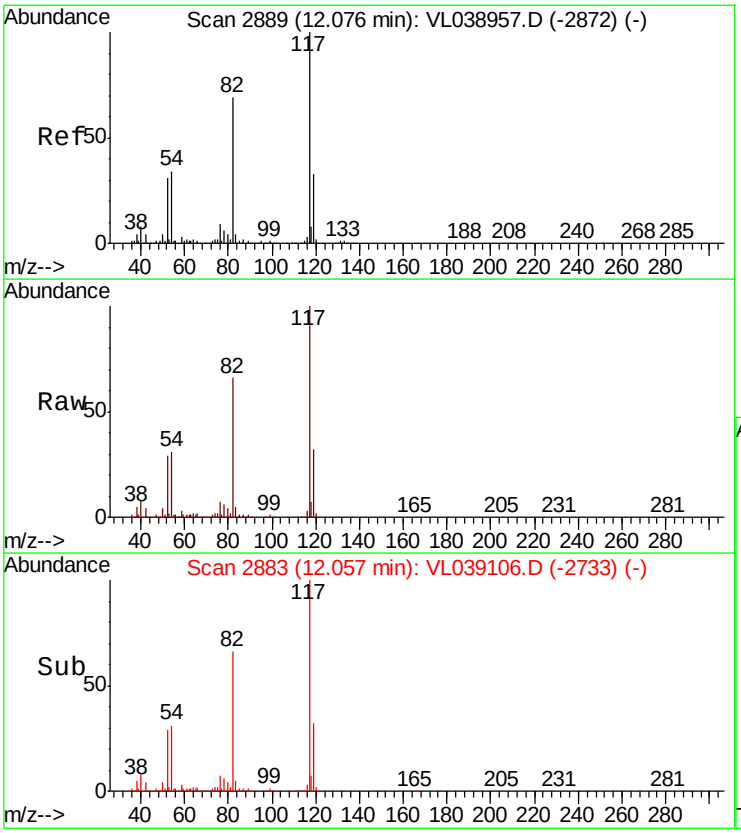
#53
Toluene
Concen: 3.146 ppbv
RT: 9.78
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 91 Resp: 810932

Ion	Ratio	Lower	Upper
91	100		
92	62.2	48.2	72.2

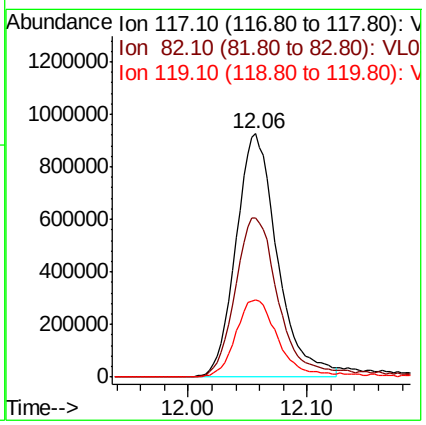


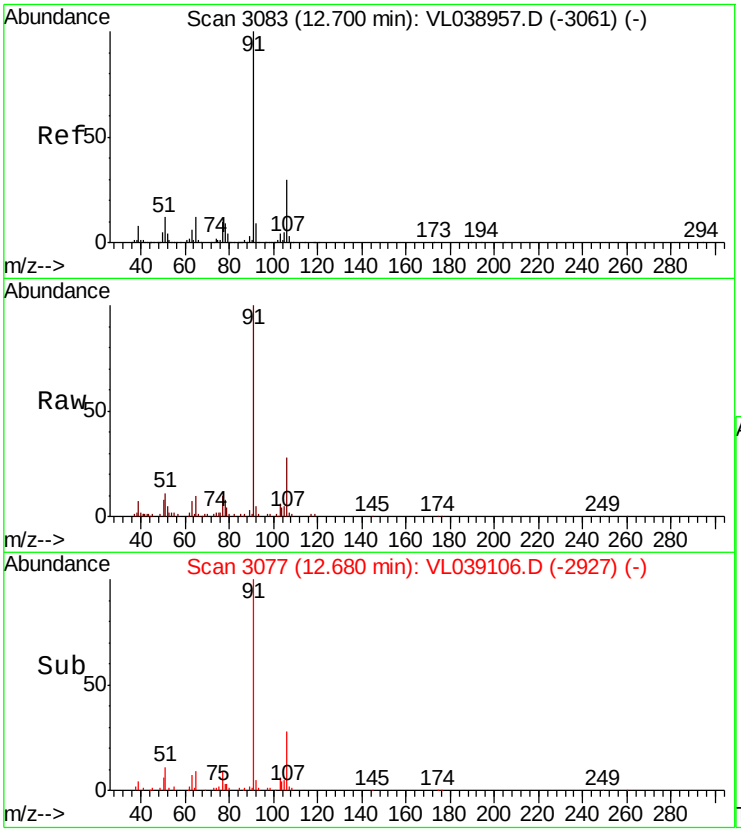


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.02 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion:117 Resp: 2231123

Ion	Ratio	Lower	Upper
117	100		
82	71.4	57.0	85.6
119	33.5	27.2	40.8



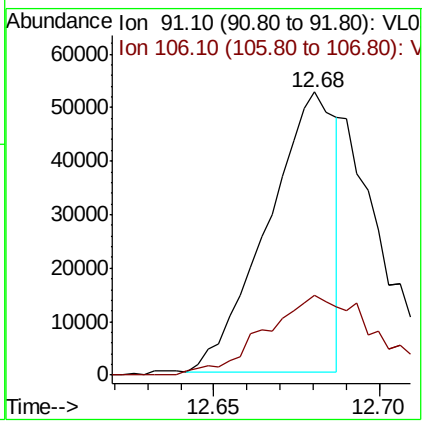


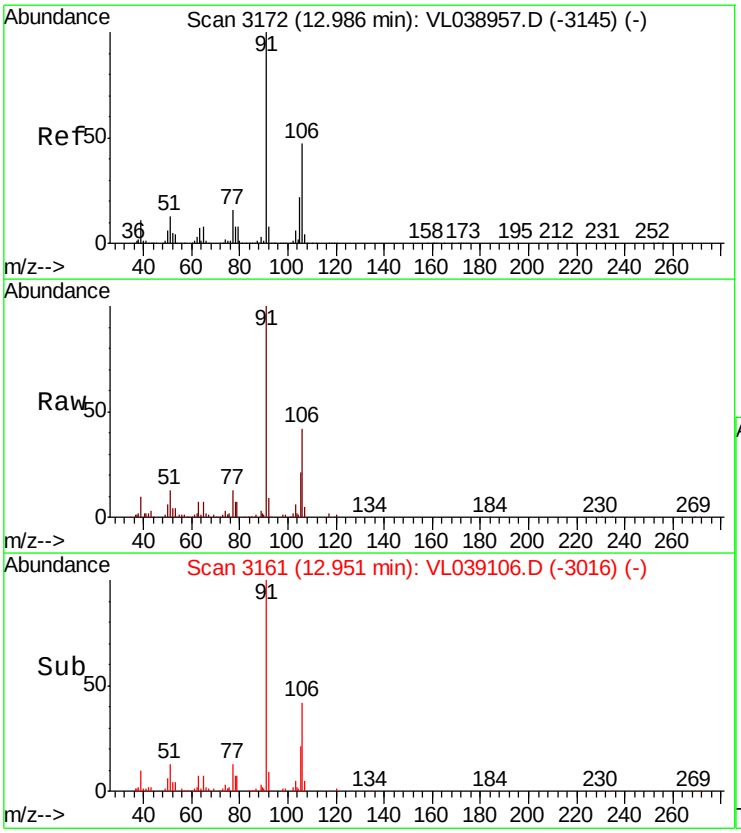
#58
Ethyl Benzene
Concen: 0.233 ppbv
RT: 12.68
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 91 Resp: 74808

Ion	Ratio	Lower	Upper
91	100		
106	27.3	24.2	36.4

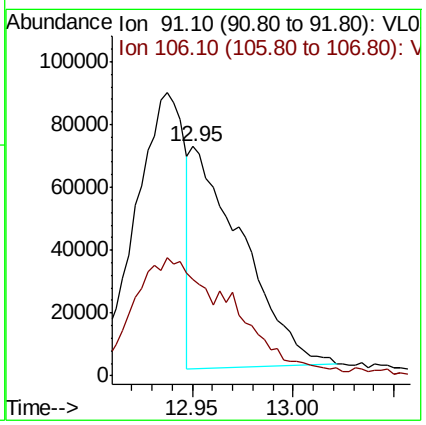


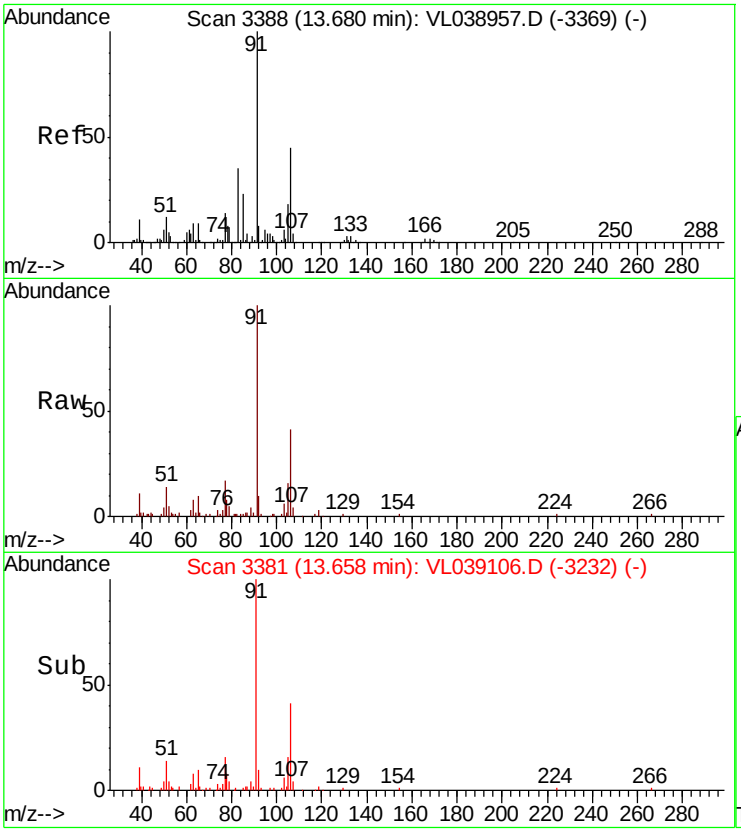


#59
m/p-Xylene
Concen: 0.460 ppbv
RT: 12.95 min Scan# 3161
Delta R.T. -0.04 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 91 Resp: 126052

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.6	52.0#



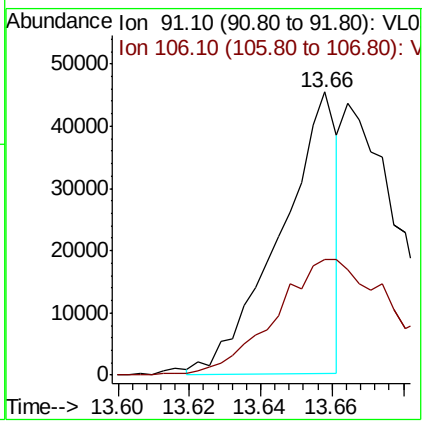


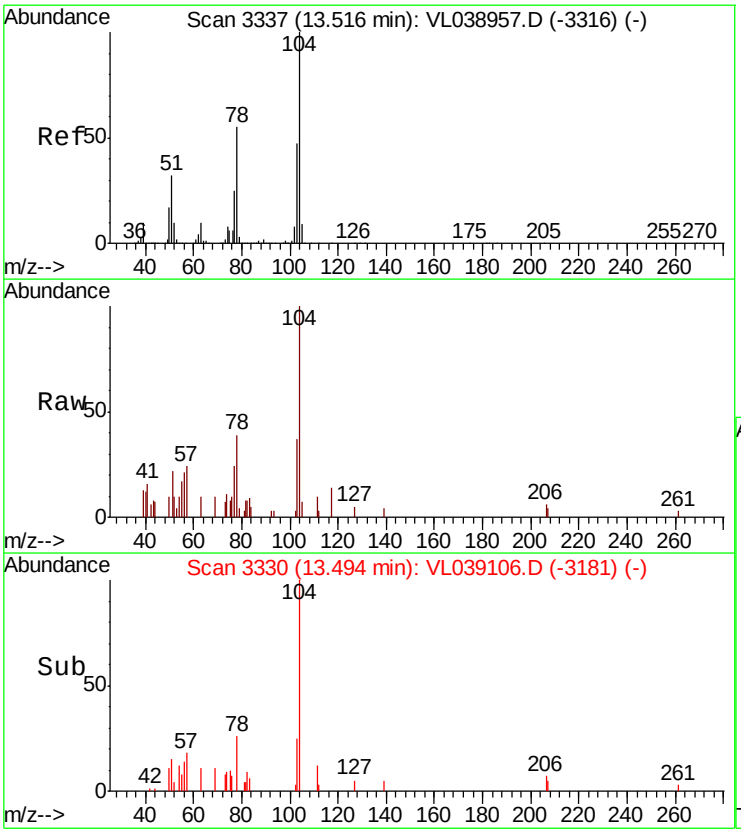
#60
o-Xylene
Concen: 0.194 ppbv
RT: 13.66
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 91 Resp: 50009

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.2	66.6#

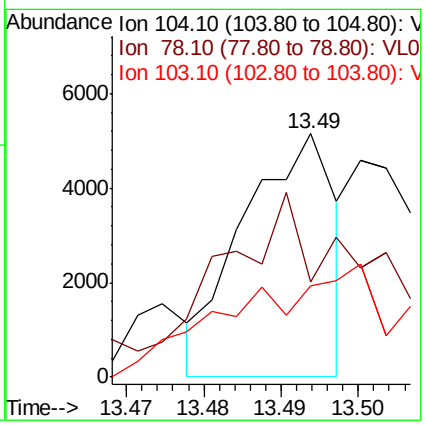


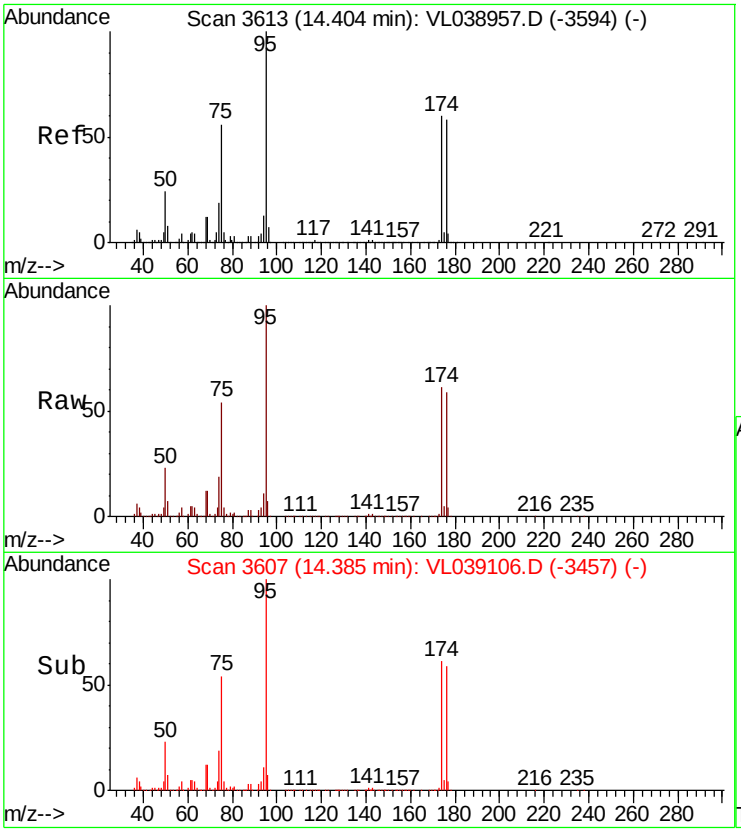


#61
Styrene
Concen: 0.031 ppbv
RT: 13.49 min Scan# 3330
Delta R.T. -0.02 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion:104 Resp: 4242

Ion	Ratio	Lower	Upper
104	100		
78	181.4	46.4	69.6#
103	0.0	39.3	58.9#



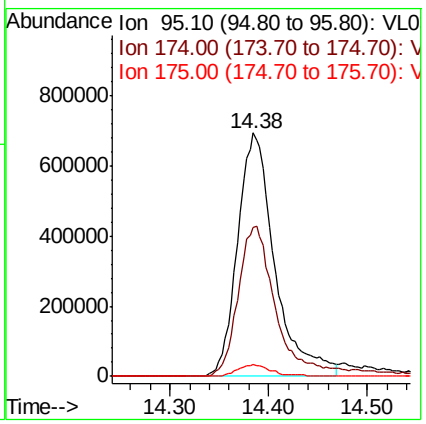


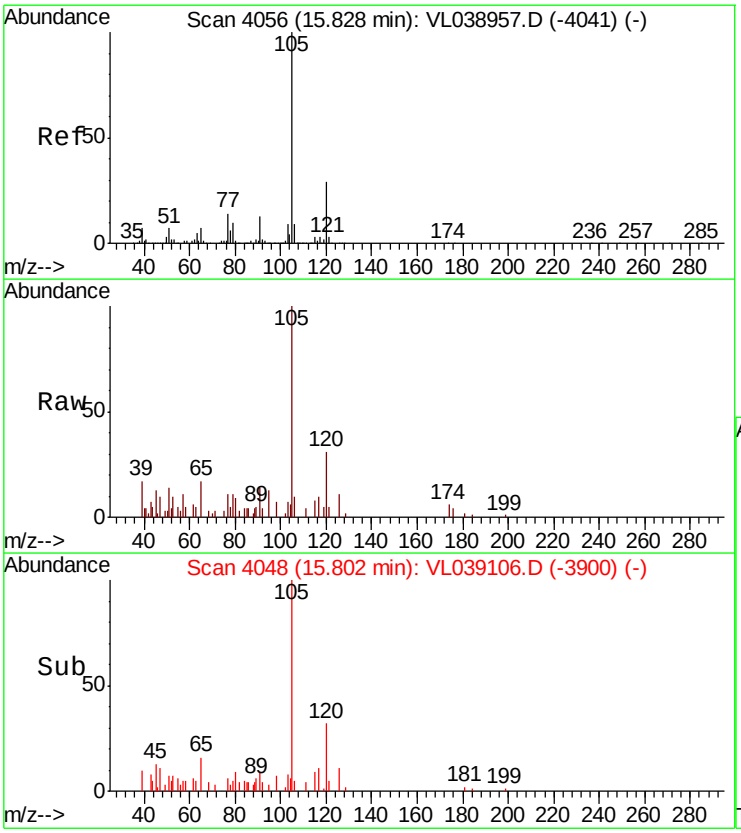
#68
1-Bromo-4-Fluorobenzene
Concen: 10.277 ppbv
RT: 14.38
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 95 Resp: 1815860

Ion	Ratio	Lower	Upper
95	100		
174	66.1	50.8	76.2
175	4.8	3.8	5.6

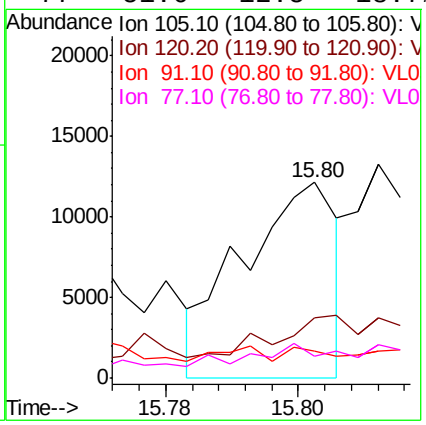


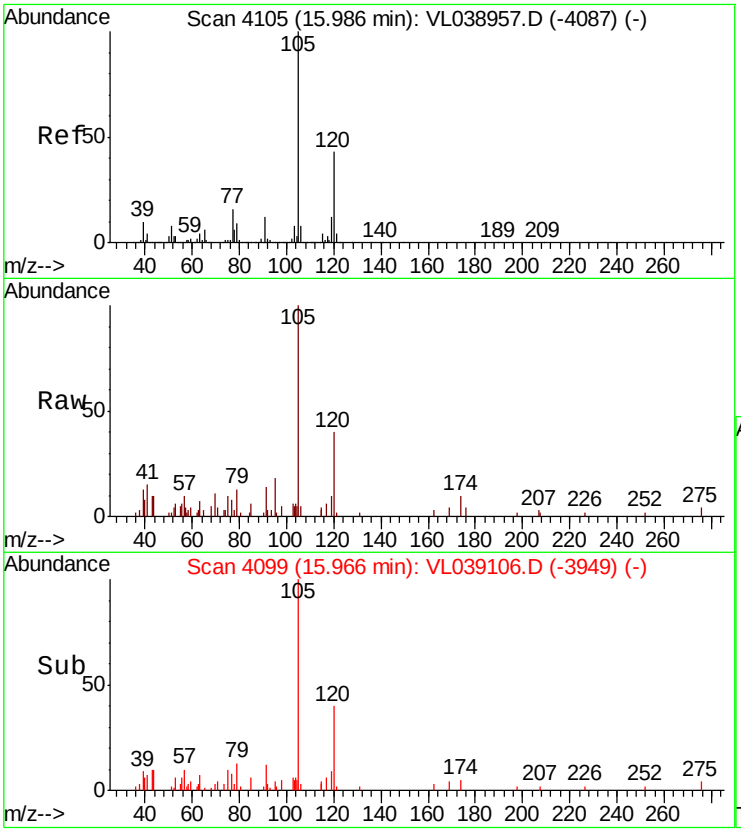


#72
4-Ethyltoluene
Concen: 0.041 ppbv
RT: 15.80 min Scan# 4048
Delta R.T. -0.03 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion:105 Resp: 12052

Ion	Ratio	Lower	Upper
105	100		
120	68.9	23.4	35.0#
91	0.0	10.6	16.0#
77	51.6	12.5	18.7#



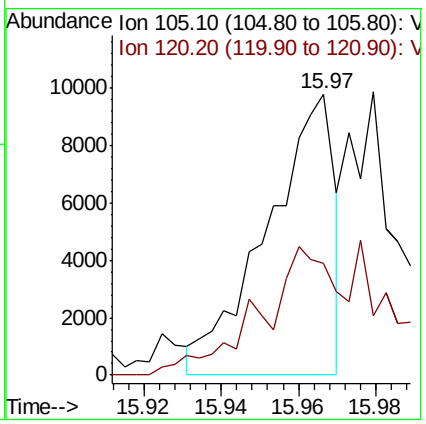


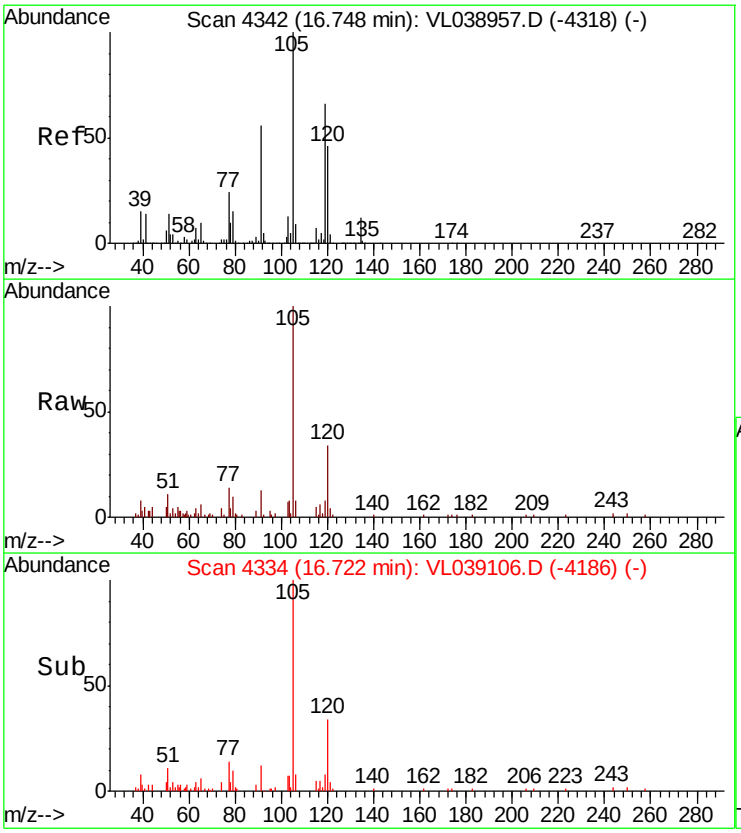
#73
1,3,5-Trimethylbenzene
Concen: 0.045 ppbv
RT: 15.97
Delta R.T
Lab File:
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion:105 Resp: 11832

Ion	Ratio	Lower	Upper
105	100		
120	36.2	34.4	51.6





#74
1,2,4-Trimethylbenzene
Concen: 0.091 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.03 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion:105 Resp: 26302

Ion	Ratio	Lower	Upper
105	100		
120	35.2	36.9	55.3#
91	11.0	45.0	67.4#
77	14.2	19.2	28.8#