Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050922\
Data File : VL039010.D
Acq On : 10 May 2022 6:19
Operator : SY/AP
Sample : N2696-05DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA1DL

Quant Time: May 10 08:09:29 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	1032156	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.15	114	2936562	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.05	117	2561650	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	1899480	9.36	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	17640	0.109	ppbv		97
3) Chlorodifluoromethane	2.96	51	34533	0.270	ppbv	#	73
4) Chloromethane	3.13	50	5231	0.082	ppbv		97
9) Propene	3.00	41	65318	1.168	ppbv		94
10) Heptane	8.09	43	67053	0.489	ppbv		98
13) Ethanol	3.58	45	134849	34.068	ppbv		98
15) Acetone	3.86	43	487681	5.009	ppbv	#	74
16) 1,3-Butadiene	3.32	39	3280	0.059	ppbv	#	1
19) Isopropyl Alcohol	3.95	45	22137	0.478	ppbv	#	62
20) Methylene Chloride	4.32	84	52075	1.419	ppbv		97
21) Allyl Chloride	4.35	41	15214	0.229	ppbv	#	44
23) Vinyl Acetate	5.03	43	39741	0.516	ppbv	#	1
25) Ethyl Acetate	5.66	43	147547	0.633	ppbv	#	79
26) Hexane	5.66	57	208111	2.010	ppbv	#	40
30) Cyclohexane	7.10	84	16922	0.195	ppbv	#	15
34) 2-Butanone	5.23	43	17787	0.119	ppbv	#	77
36) Benzene	6.86	78	180710	0.719	ppbv		96
39) 1,2-Dichloropropane	7.15	63	672191	6.874	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.84	57	280140	0.635	ppbv	#	93
52) Tetrachloroethene	11.18	164	16243	0.181	ppbv		94
53) Toluene	9.77	91	539586	1.916	ppbv		99
58) Ethyl Benzene	12.68	91	114158	0.310	ppbv		89
59) m/p-Xylene	12.93	91	329568	1.047	ppbv		92
60) o-Xylene	13.65	91	129436	0.437	ppbv		93
61) Styrene	13.49	104	7598	0.048	ppbv	#	82
72) 4-Ethyltoluene	15.80	105	27014	0.080	ppbv	#	53
74) 1,2,4-Trimethylbenzene	16.73	105	150338	0.452	ppbv	#	66

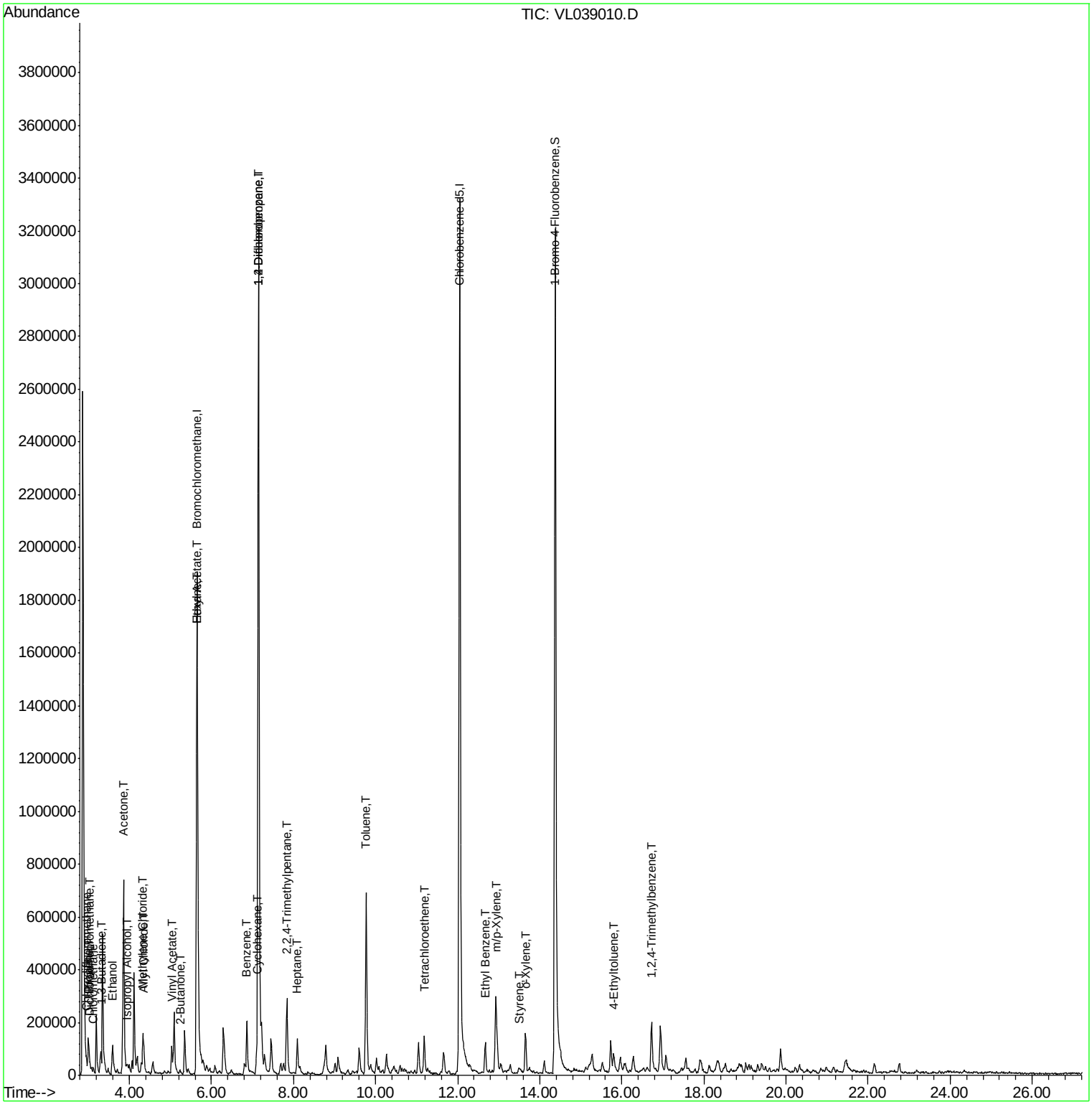
(#) = qualifier out of range (m) = manual integration (+) = signals summed

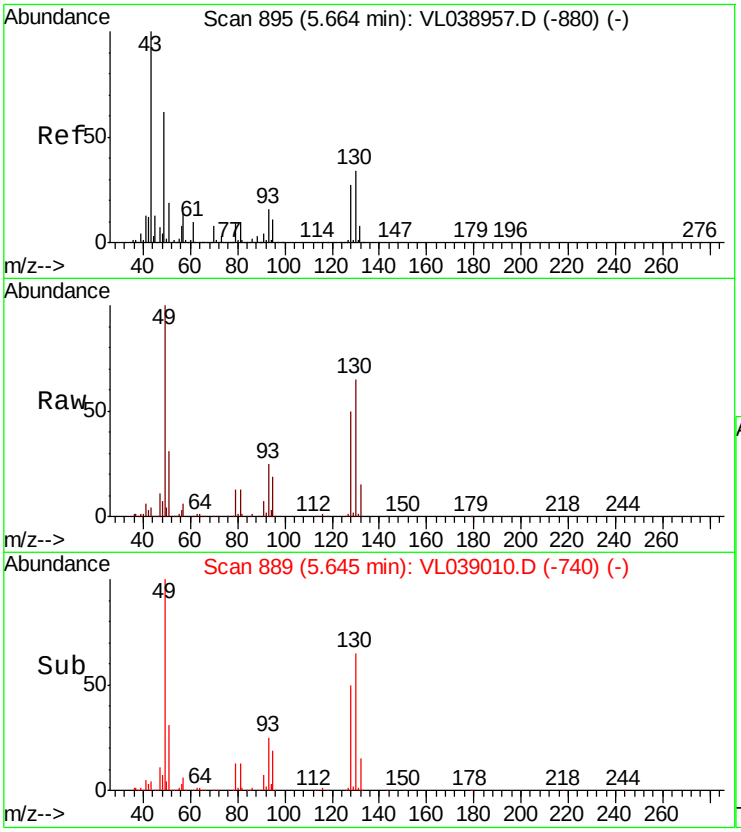
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050922\
Data File : VL039010.D
Acq On : 10 May 2022 6:19
Operator : SY/AP
Sample : N2696-05DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Quant Time: May 10 08:09:29 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



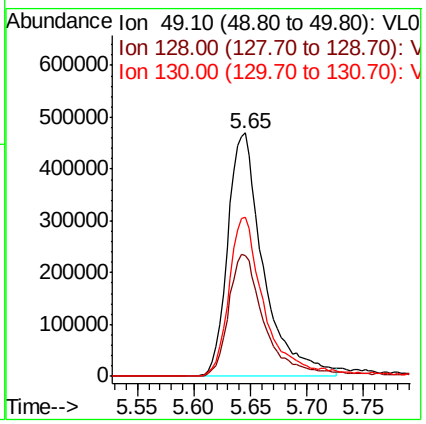


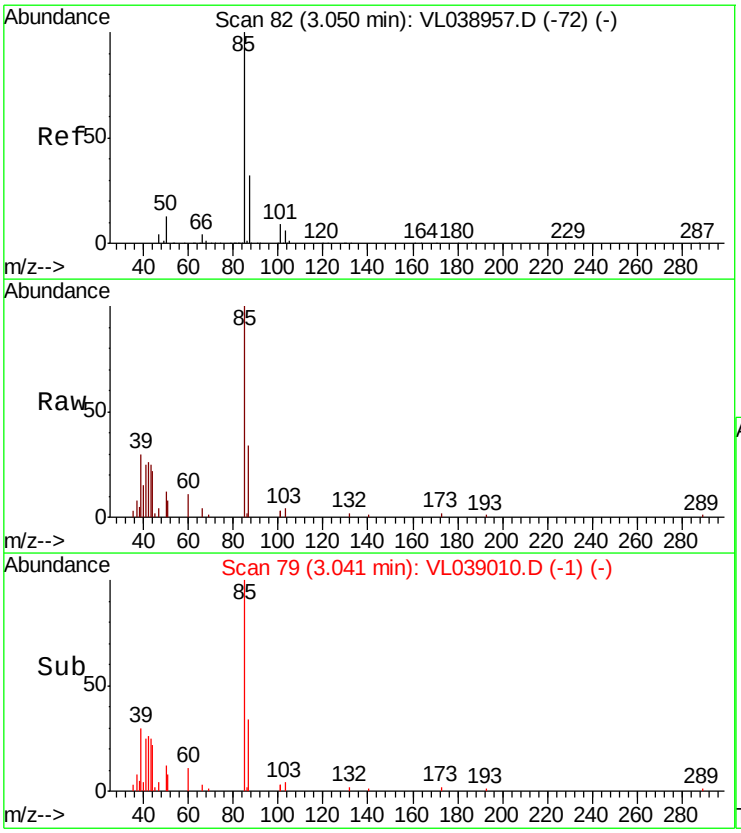
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 49 Resp: 1032156

Ion	Ratio	Lower	Upper
49	100		
128	52.9	23.3	69.8
130	68.0	29.8	89.3

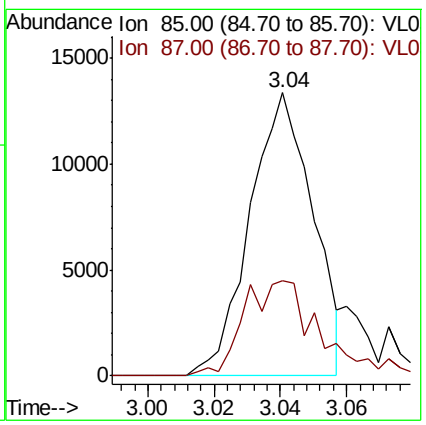


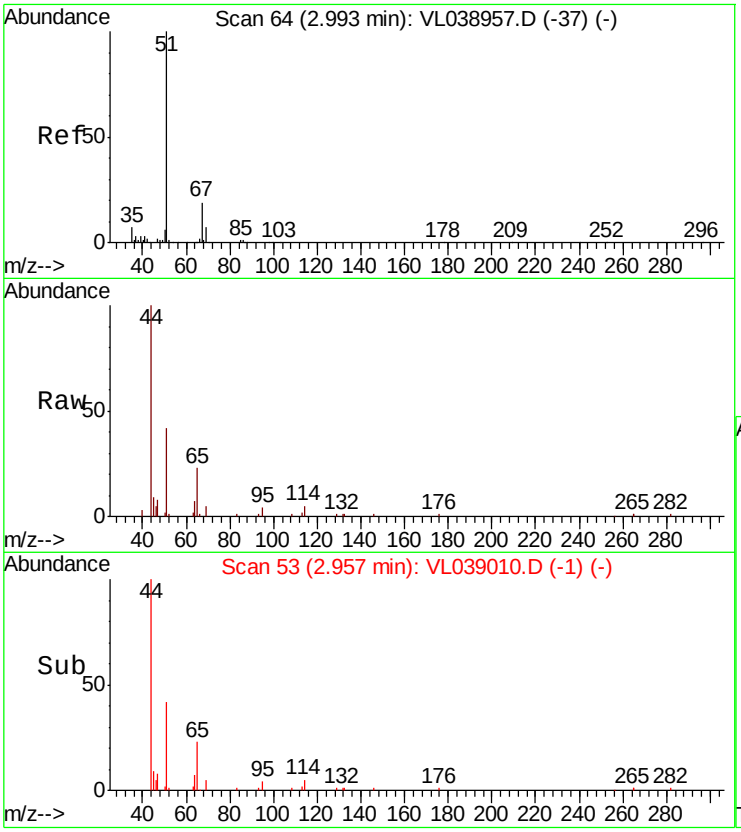


#2
Dichlorodifluoromethane
Concen: 0.109 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 85 Resp: 17640

Ion	Ratio	Lower	Upper
85	100		
87	33.5	25.7	38.5



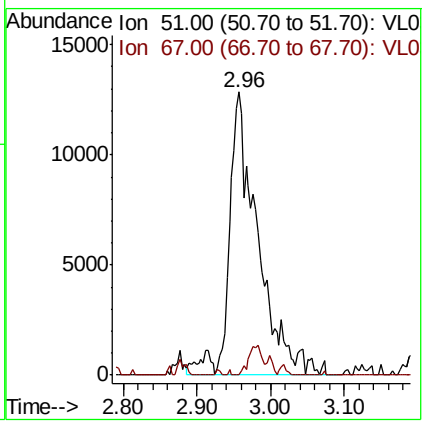


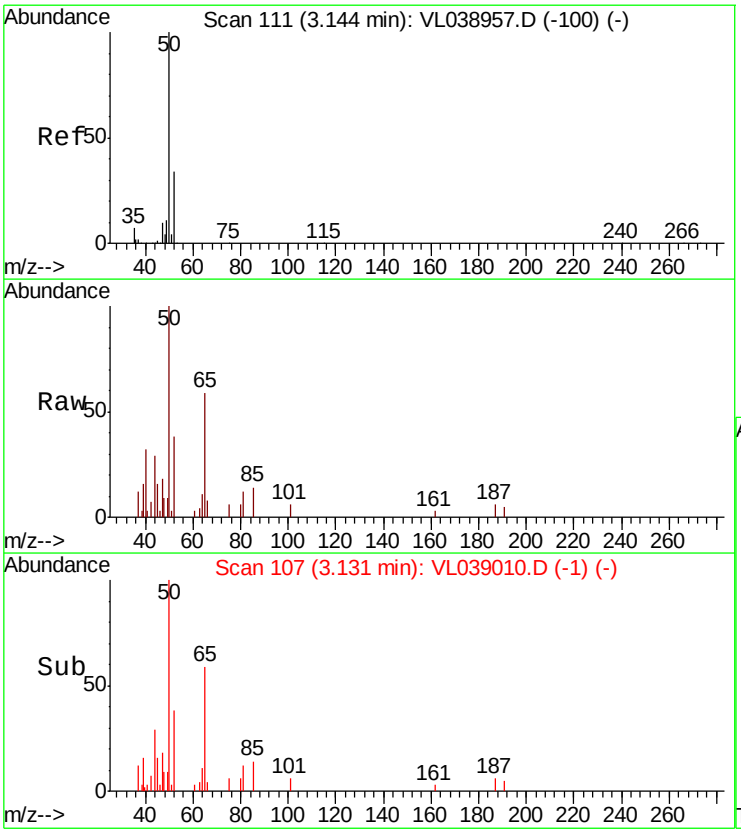
#3
Chlorodifluoromethane
Concen: 0.270 ppbv
RT: 2.96
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 51 Resp: 34533

Ion	Ratio	Lower	Upper
51	100		
67	7.3	15.8	23.8#

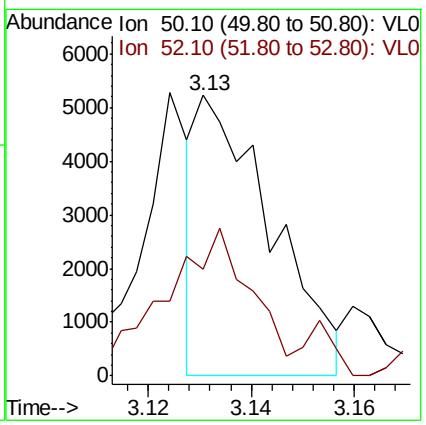


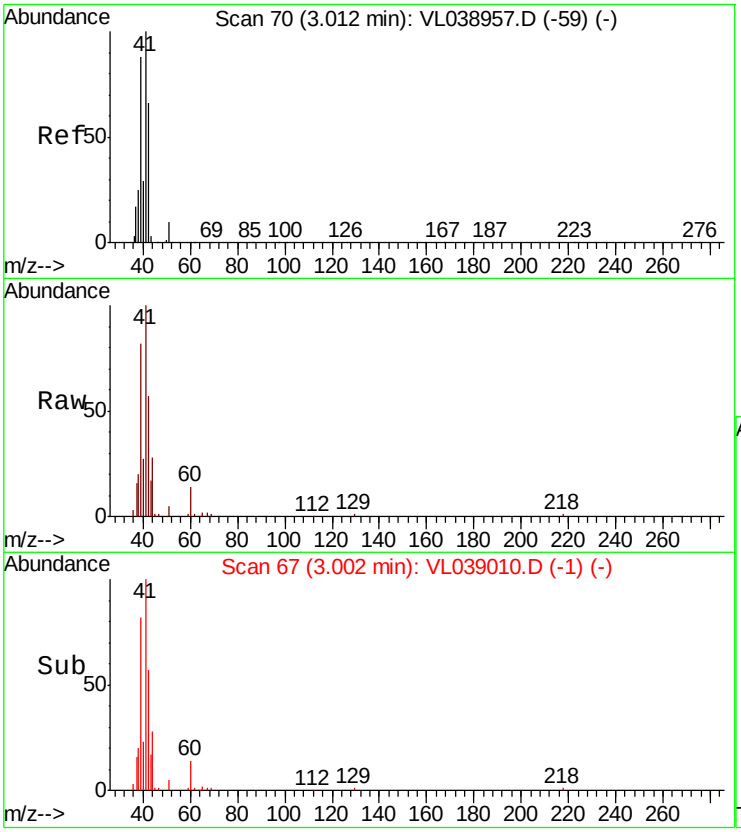


#4
Chloromethane
Concen: 0.082 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 50 Resp: 5231

Ion	Ratio	Lower	Upper
50	100		
52	32.4	27.3	40.9



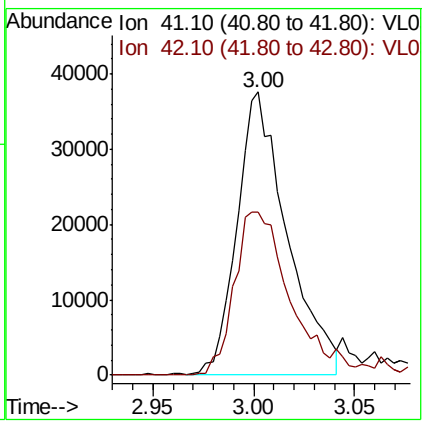


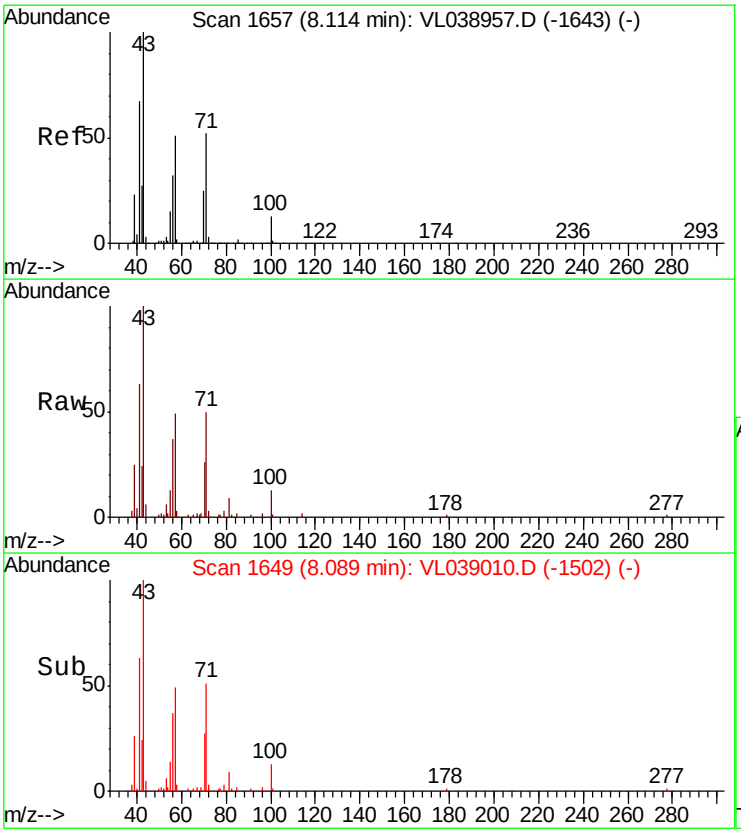
#9
Propene
Concen: 1.168 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 41 Resp: 65318

Ion	Ratio	Lower	Upper
41	100		
42	67.8	58.3	87.5

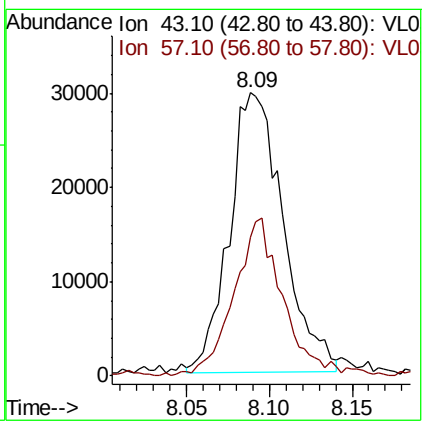


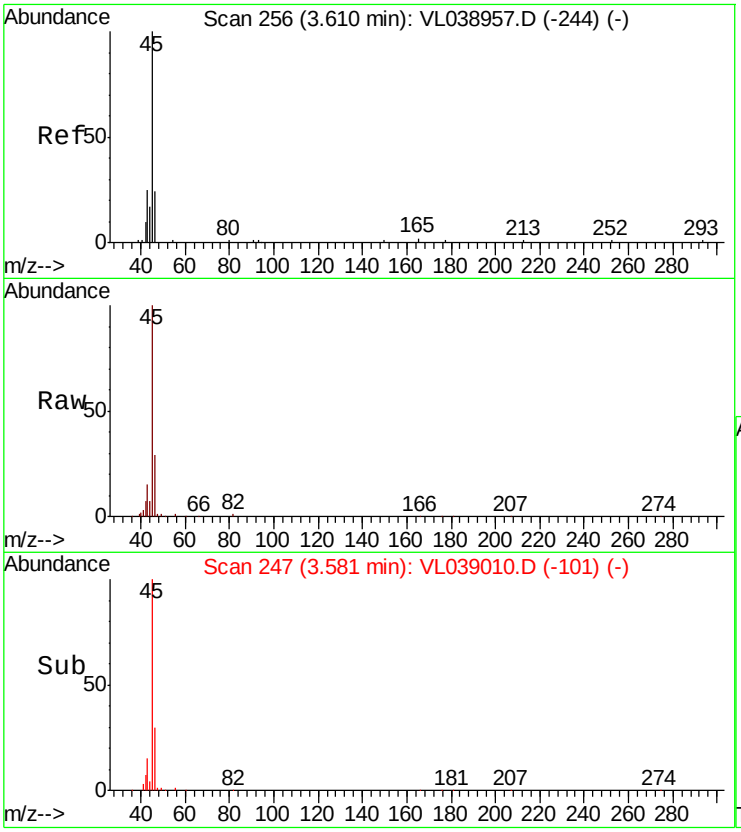


#10
Heptane
Concen: 0.489 ppbv
RT: 8.09 min Scan# 1649
Delta R.T. -0.03 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 43 Resp: 67053

Ion	Ratio	Lower	Upper
43	100		
57	51.7	40.5	60.7



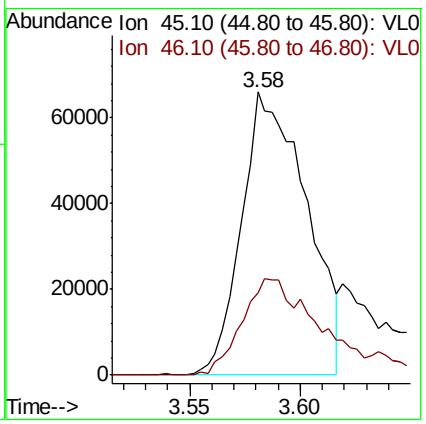


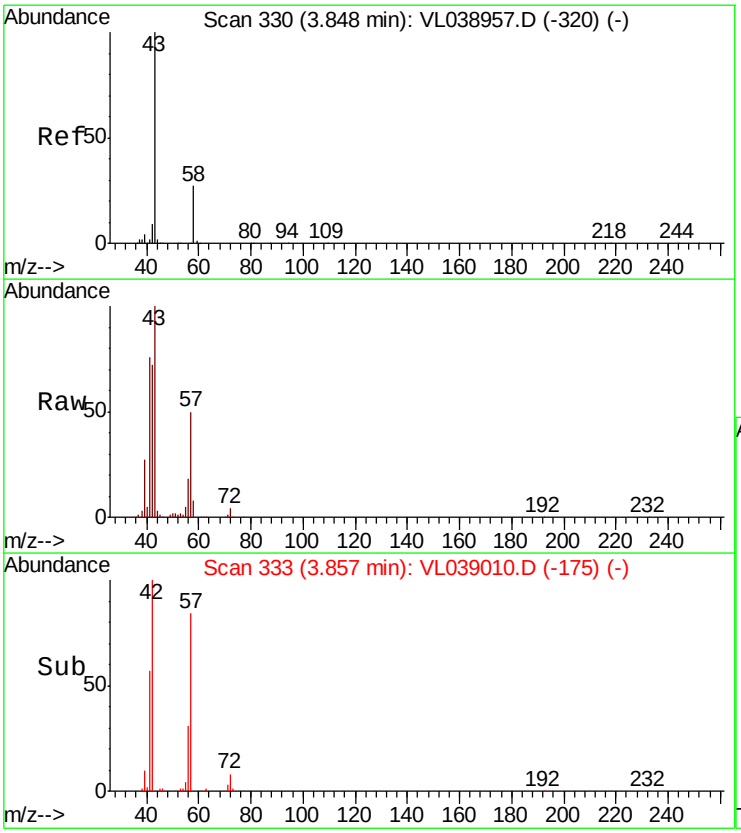
#13
Ethanol
Concen: 34.068 ppbv
RT: 3.58
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 45 Resp: 134849

Ion	Ratio	Lower	Upper
45	100		
46	46.4	18.0	72.2

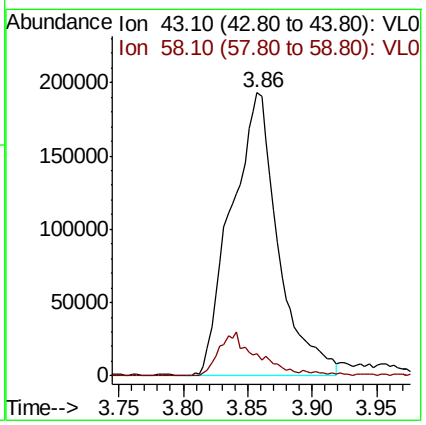


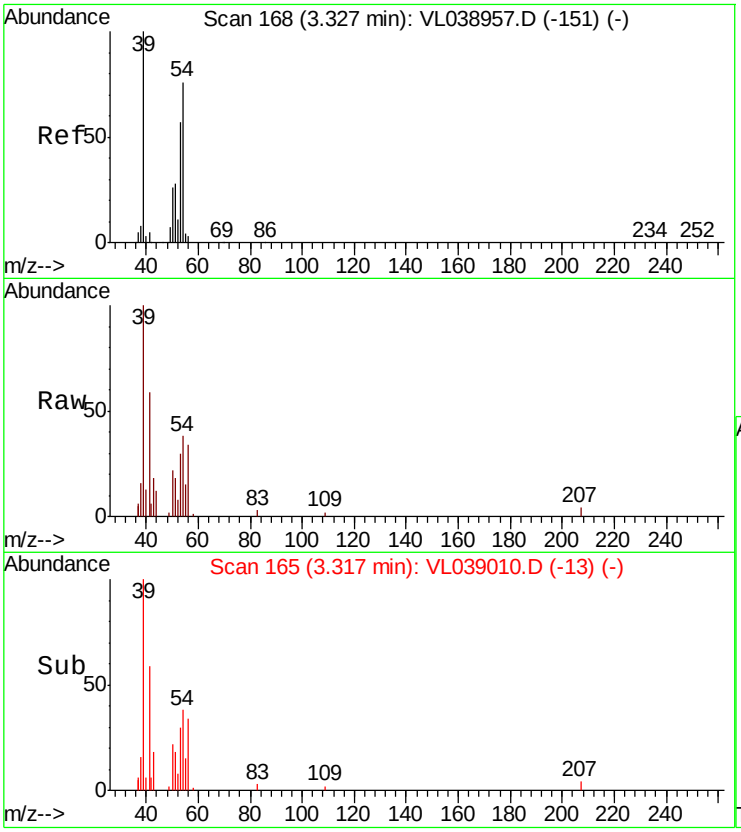


#15
Acetone
Concen: 5.009 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 43 Resp: 487681

Ion	Ratio	Lower	Upper
43	100		
58	13.4	21.3	31.9#



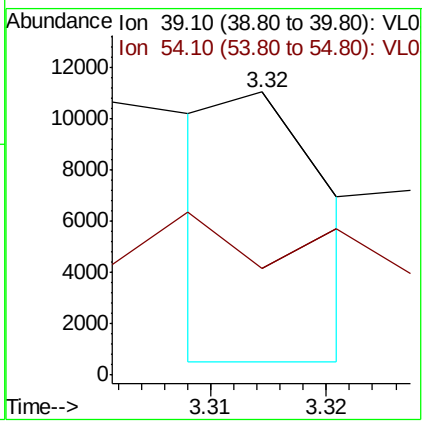


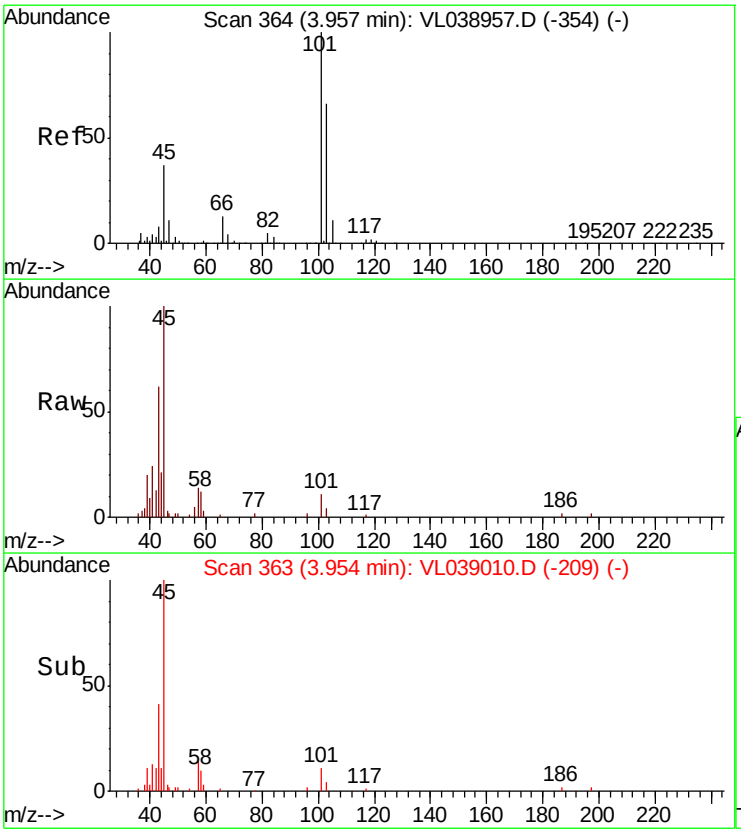
#16
1,3-Butadiene
Concen: 0.059 ppbv
RT: 3.32
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 39 Resp: 3280

Ion	Ratio	Lower	Upper
39	100		
54	377.7	65.2	97.8#

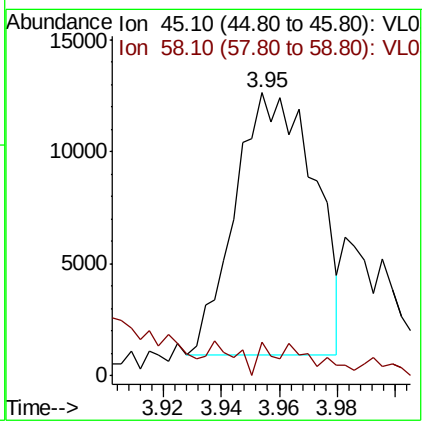


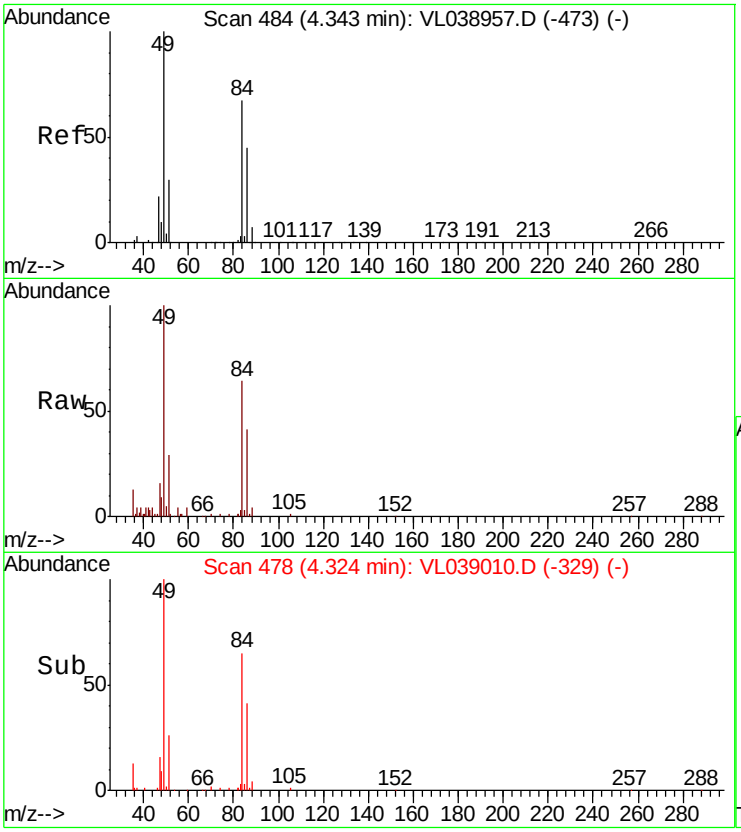


#19
Isopropyl Alcohol
Concen: 0.478 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 45 Resp: 22137

Ion	Ratio	Lower	Upper
45	100		
58	15.6	1.4	2.2#



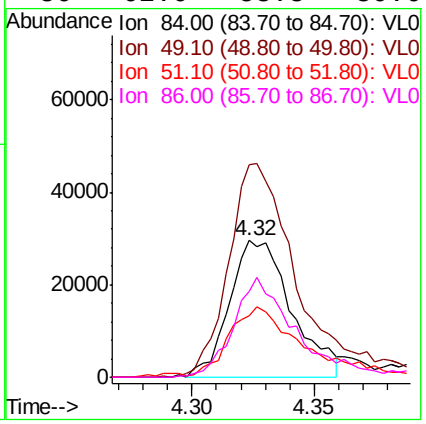


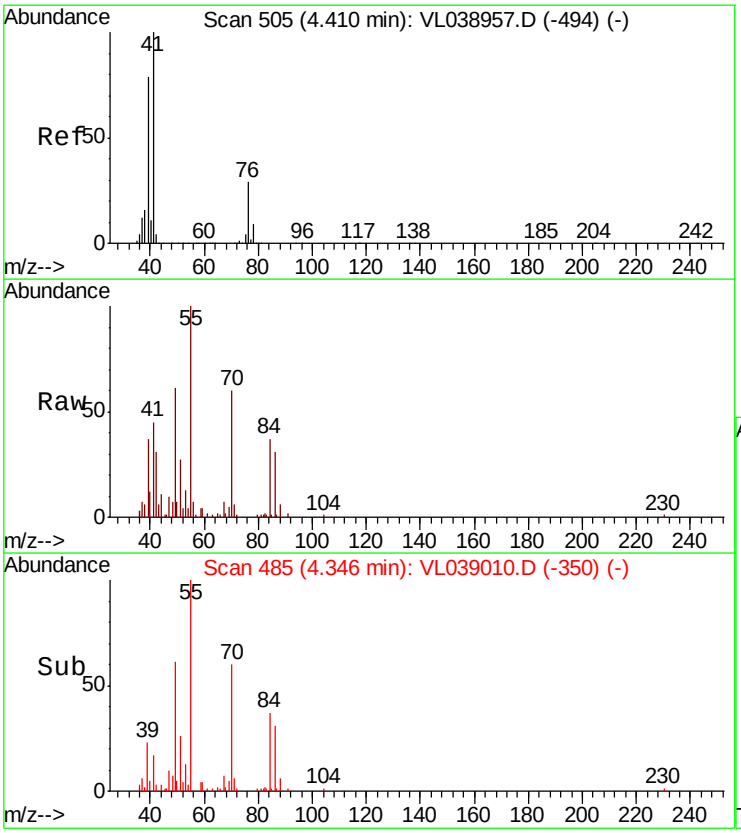
#20
Methylene Chloride
Concen: 1.419 ppbv
RT: 4.32
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 84 Resp: 52075

Ion	Ratio	Lower	Upper
84	100		
49	153.0	119.9	179.9
51	43.7	35.7	53.5
86	62.0	53.8	80.6

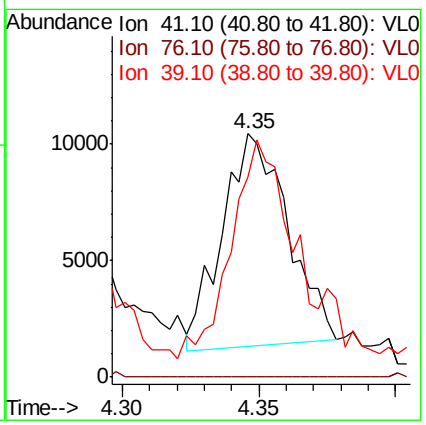


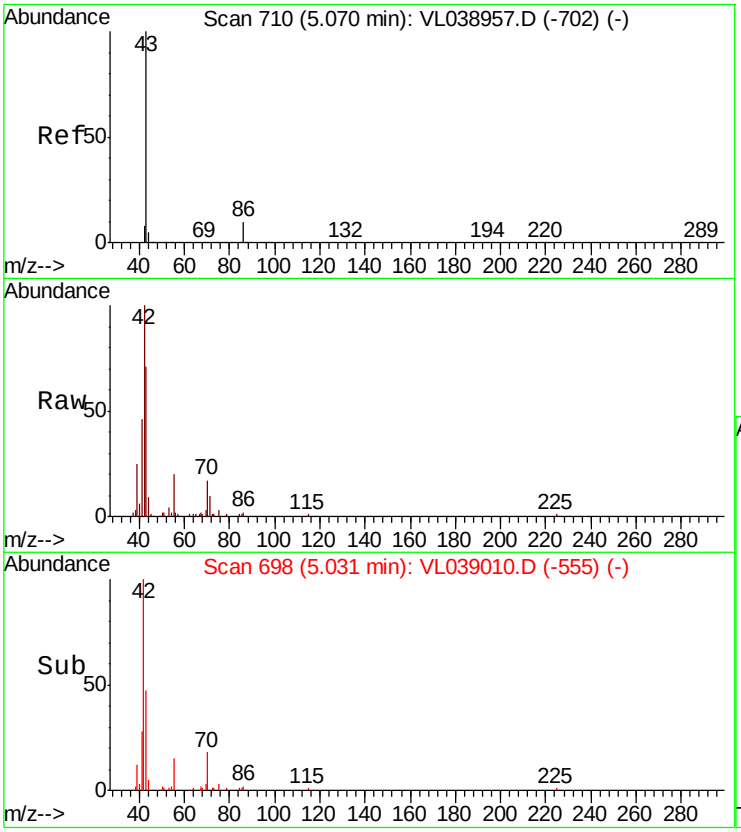


#21
Allyl Chloride
Concen: 0.229 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.06 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 41 Resp: 15214

Ion	Ratio	Lower	Upper
41	100		
76	0.2	24.2	36.4#
39	129.5	63.8	95.8#



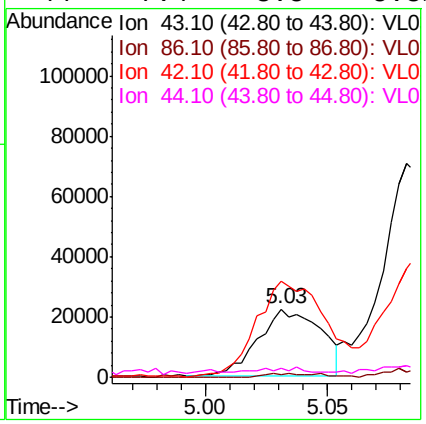


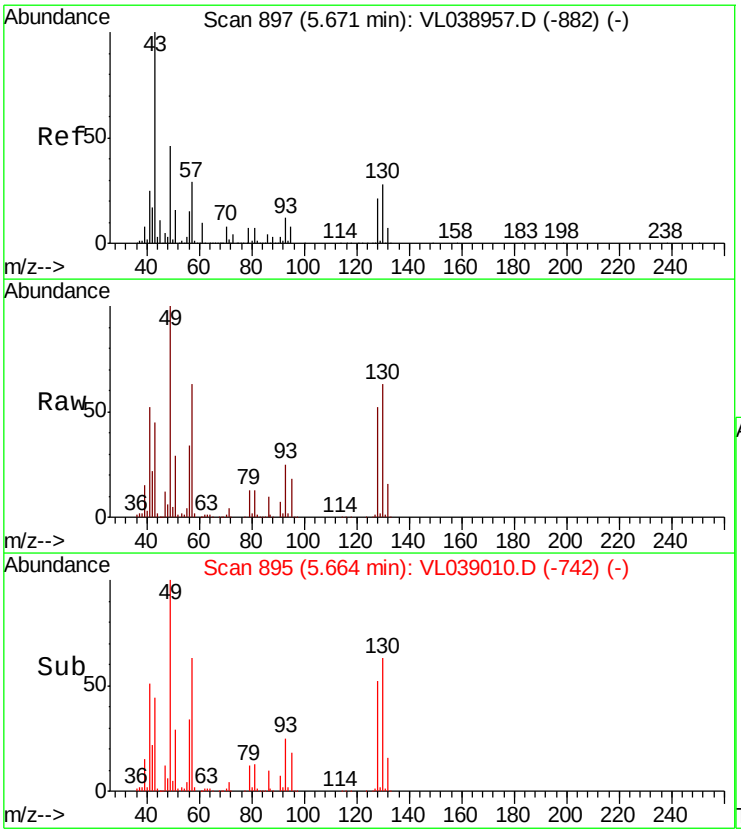
#23
Vinyl Acetate
Concen: 0.516 ppbv
RT: 5.03
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 43 Resp: 39741

Ion	Ratio	Lower	Upper
43	100		
86	3.2	6.6	9.8#
42	141.9	8.1	12.1#
44	7.4	3.5	5.3#

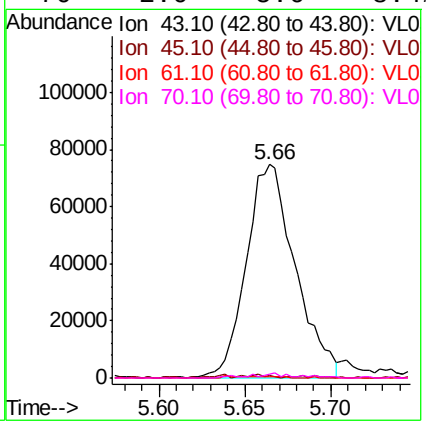


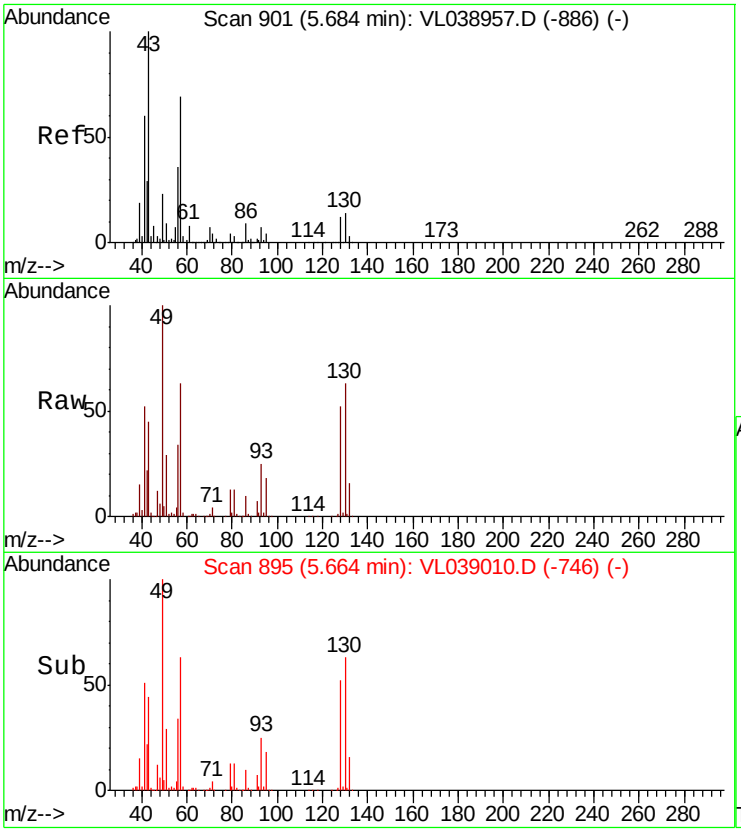


#25
Ethyl Acetate
Concen: 0.633 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 43 Resp: 147547

Ion	Ratio	Lower	Upper
43	100		
45	2.1	8.1	12.1#
61	0.8	7.8	11.6#
70	2.0	5.6	8.4#



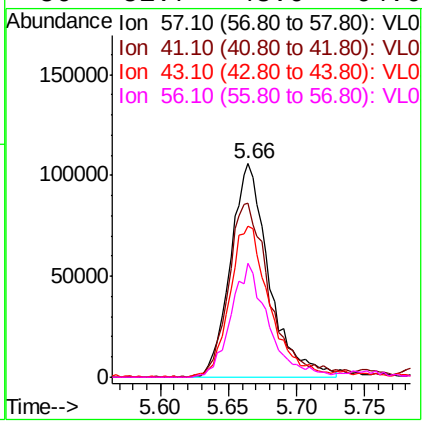


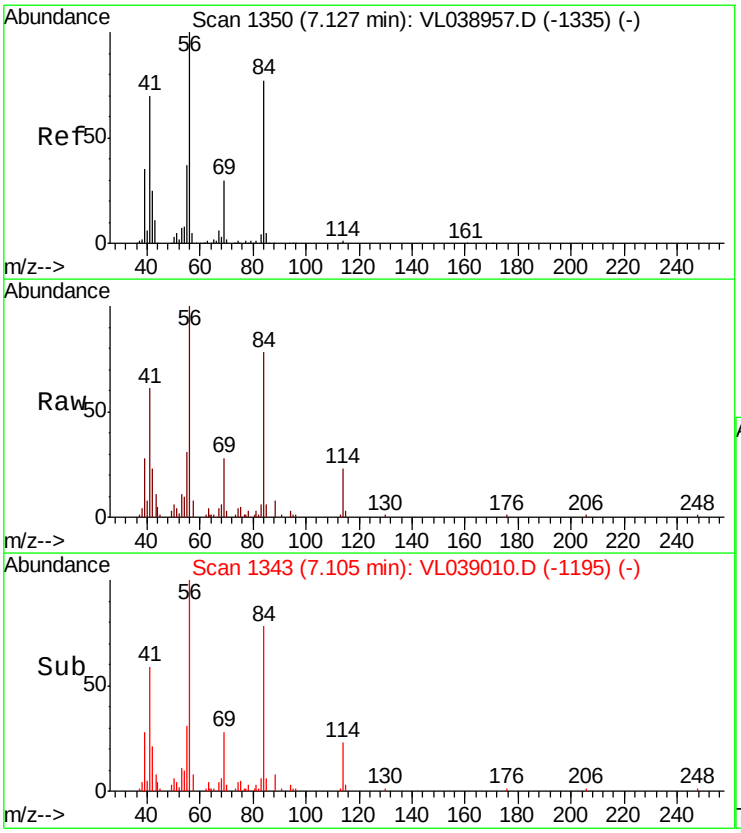
#26
Hexane
Concen: 2.010 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 57 Resp: 208111

Ion	Ratio	Lower	Upper
57	100		
41	91.2	75.2	112.8
43	76.9	190.8	286.2#
56	51.7	43.0	64.6

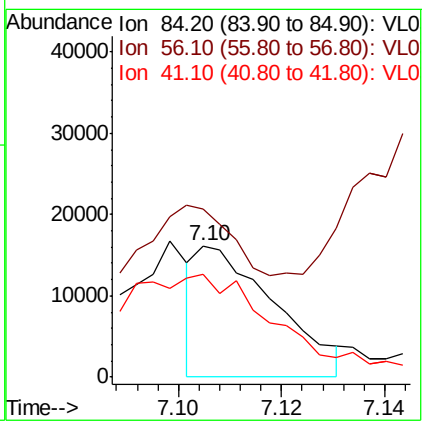


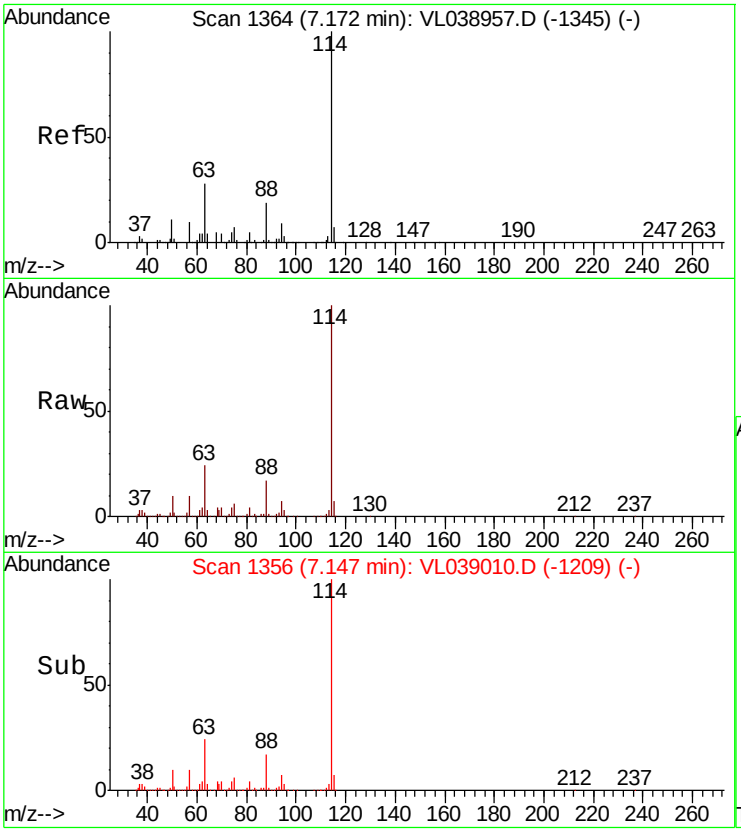


#30
Cyclohexane
Concen: 0.195 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.02 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 84 Resp: 16922

Ion	Ratio	Lower	Upper
84	100		
56	251.6	115.3	172.9#
41	168.4	72.0	108.0#



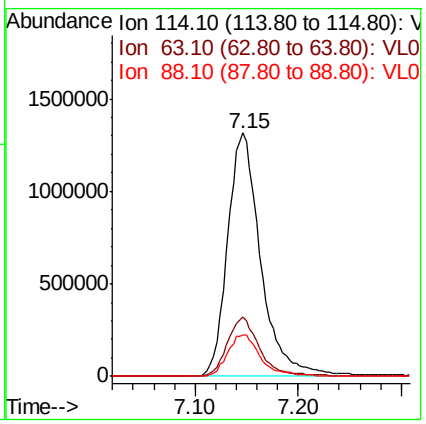


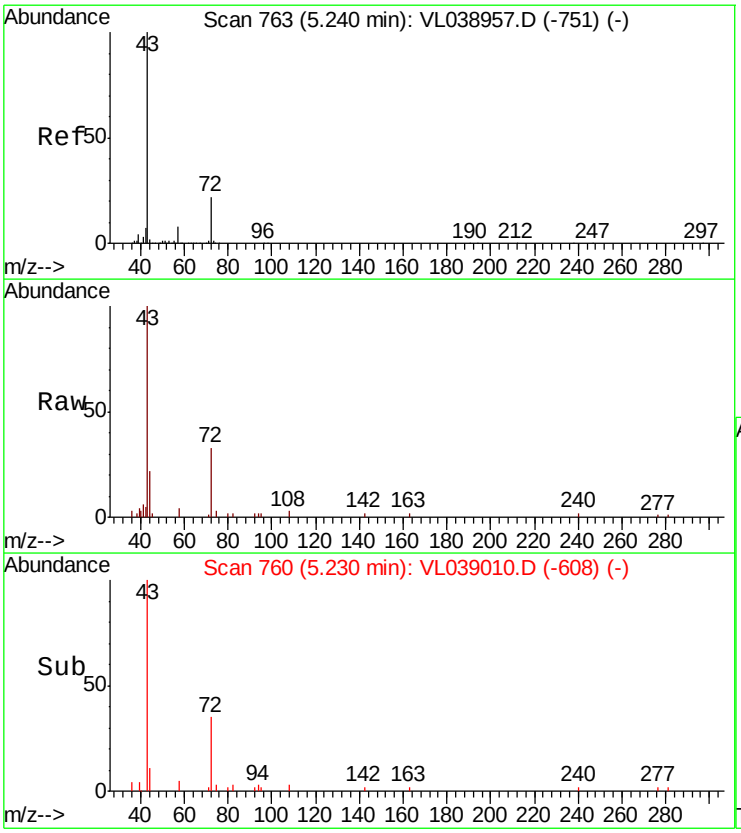
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion:114 Resp: 2936562

Ion	Ratio	Lower	Upper
114	100		
63	24.1	22.6	33.8
88	17.4	15.4	23.0

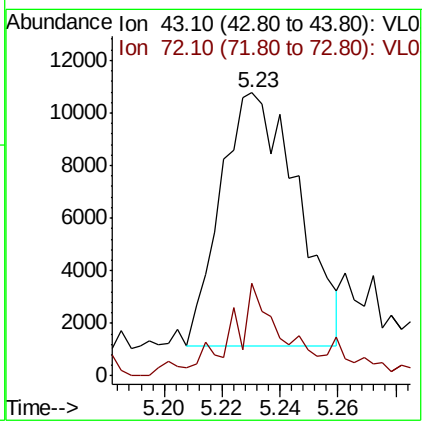


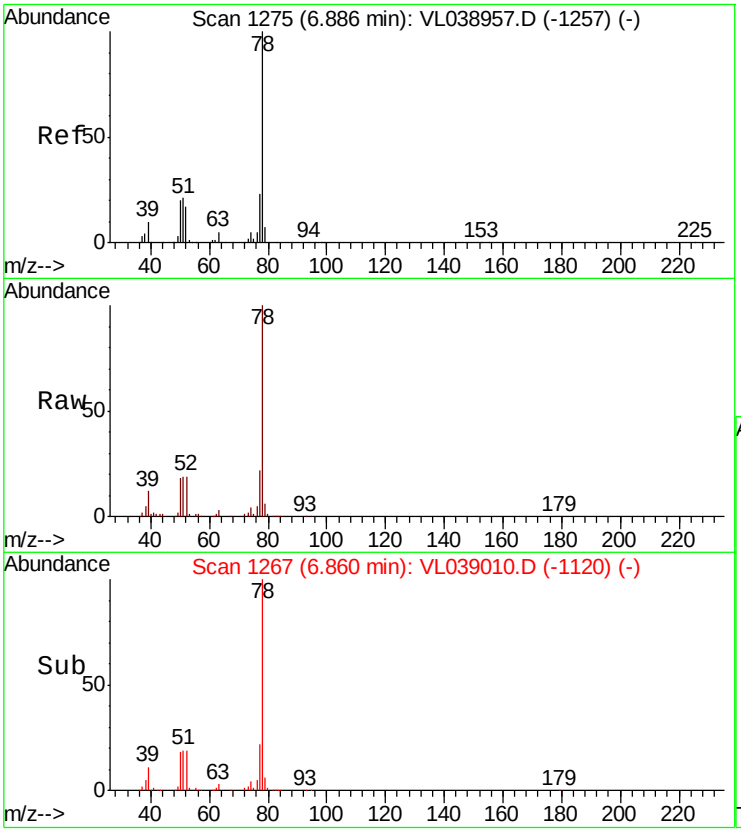


#34
2-Butanone
Concen: 0.119 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.01 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 43 Resp: 17787

Ion	Ratio	Lower	Upper
43	100		
72	33.1	17.8	26.6#



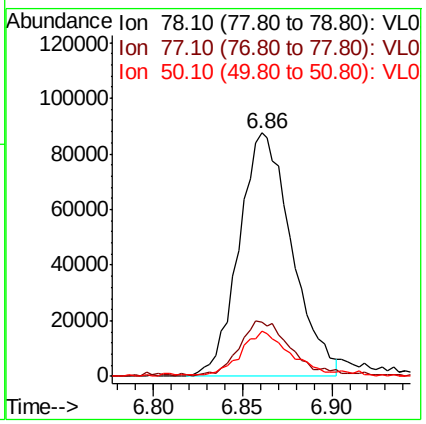


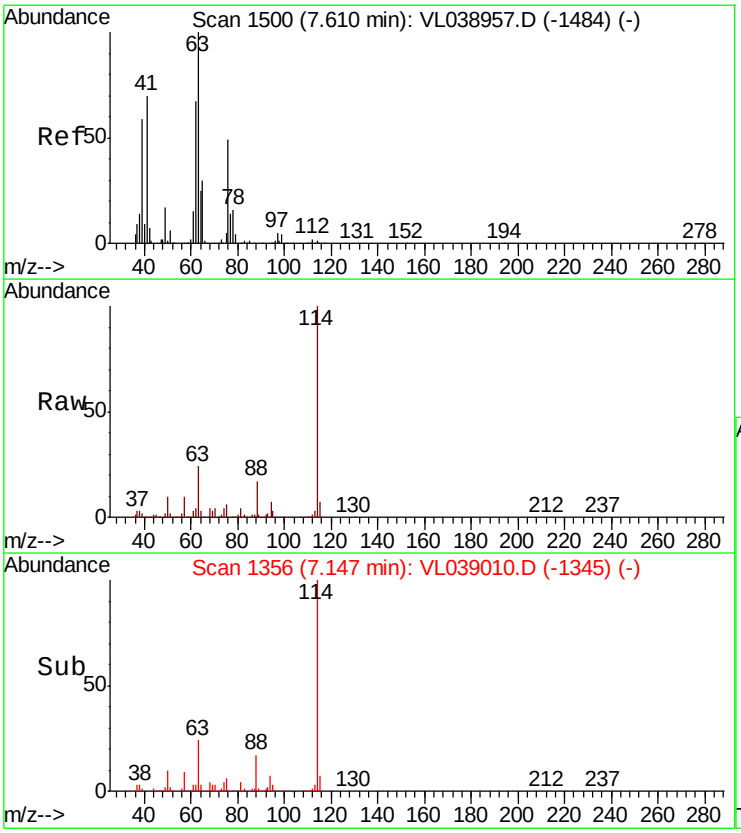
#36
Benzene
Concen: 0.719 ppbv
RT: 6.86
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 78 Resp: 180710

Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.6	28.0
50	17.7	15.6	23.4

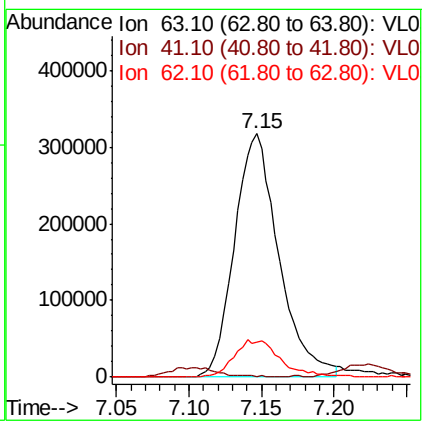


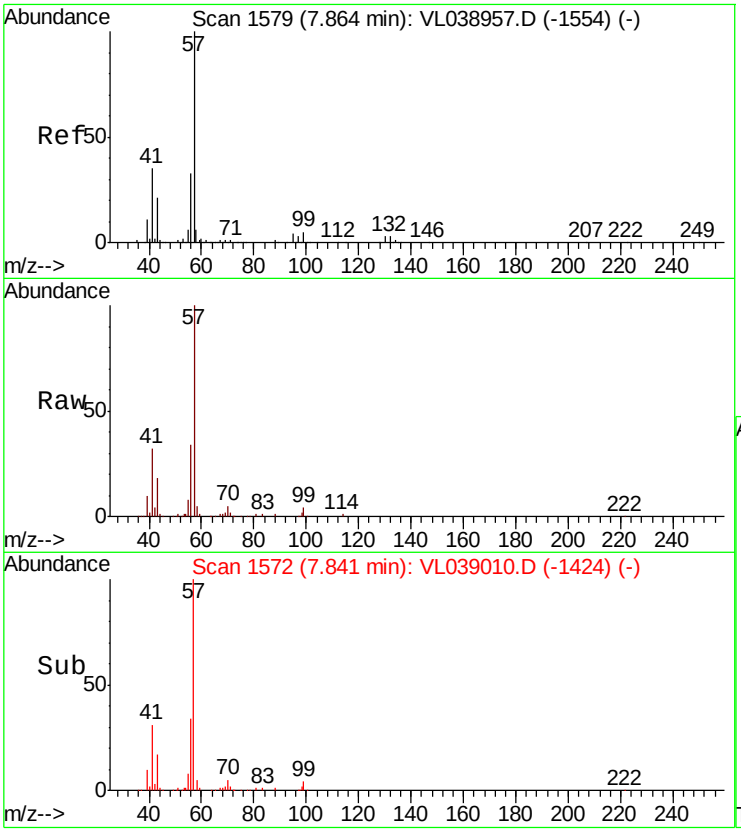


#39
1,2-Dichloropropane
Concen: 6.874 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.46 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 63 Resp: 672191

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	14.6	53.8	80.6#



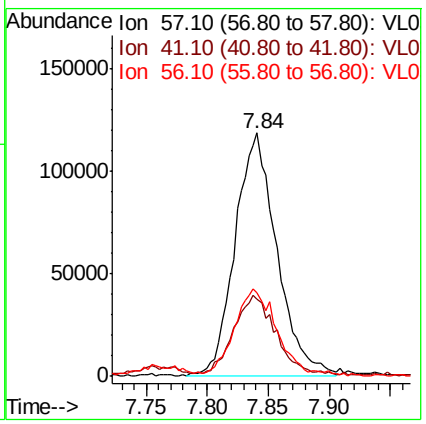


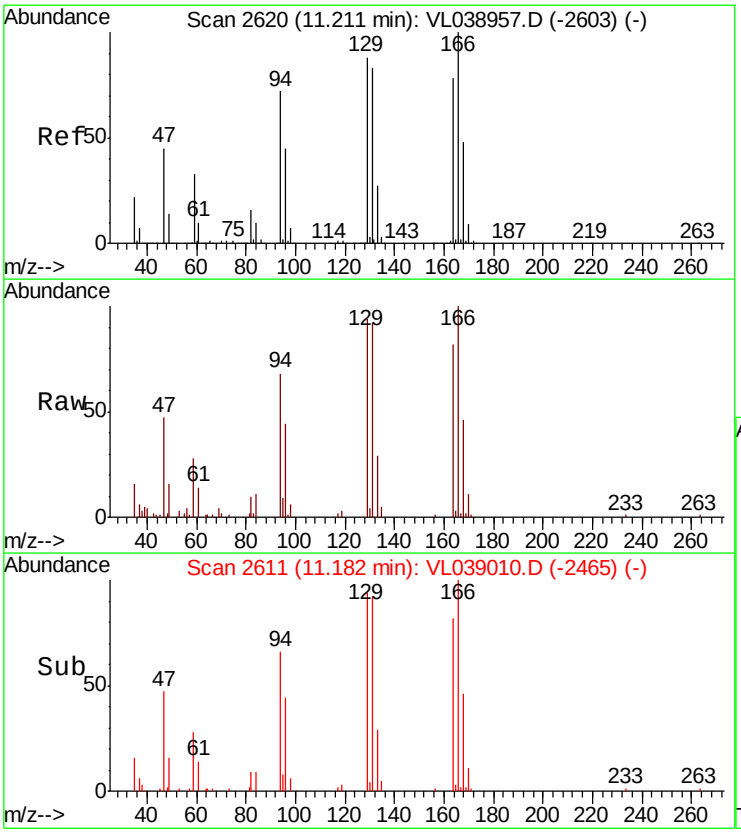
#44
2,2,4-Trimethylpentane
Concen: 0.635 ppbv
RT: 7.84
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 57 Resp: 280140

Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.3	39.5
56	38.2	24.6	37.0#

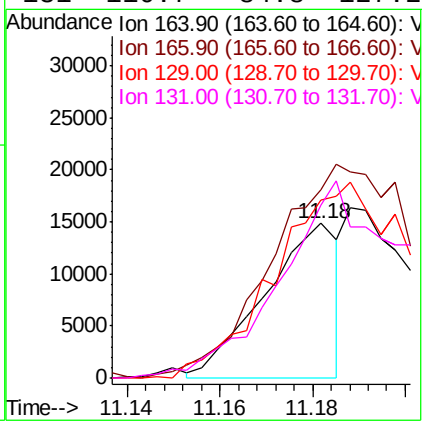


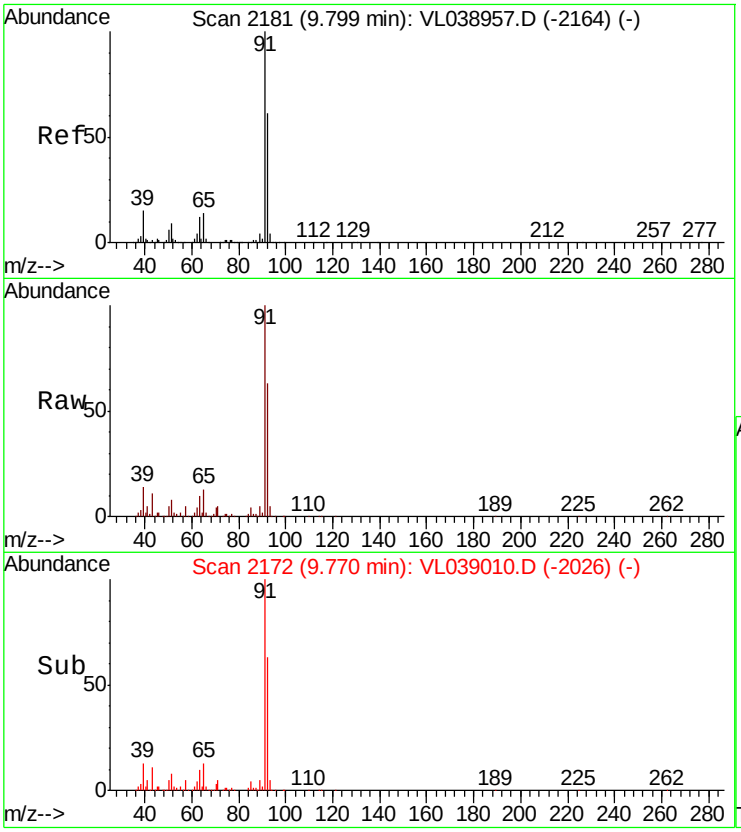


#52
Tetrachloroethene
Concen: 0.181 ppbv
RT: 11.18 min Scan# 2611
Delta R.T. -0.03 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion:164 Resp: 16243

Ion	Ratio	Lower	Upper
164	100		
166	117.7	102.5	153.7
129	109.5	90.1	135.1
131	110.7	84.8	127.2



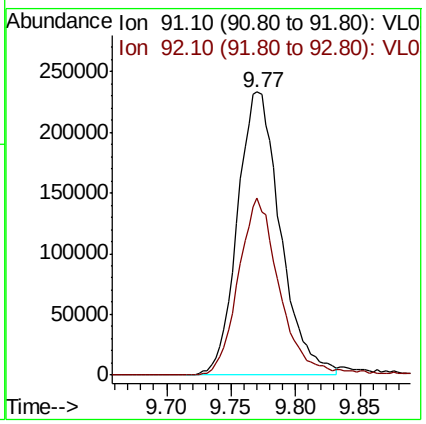


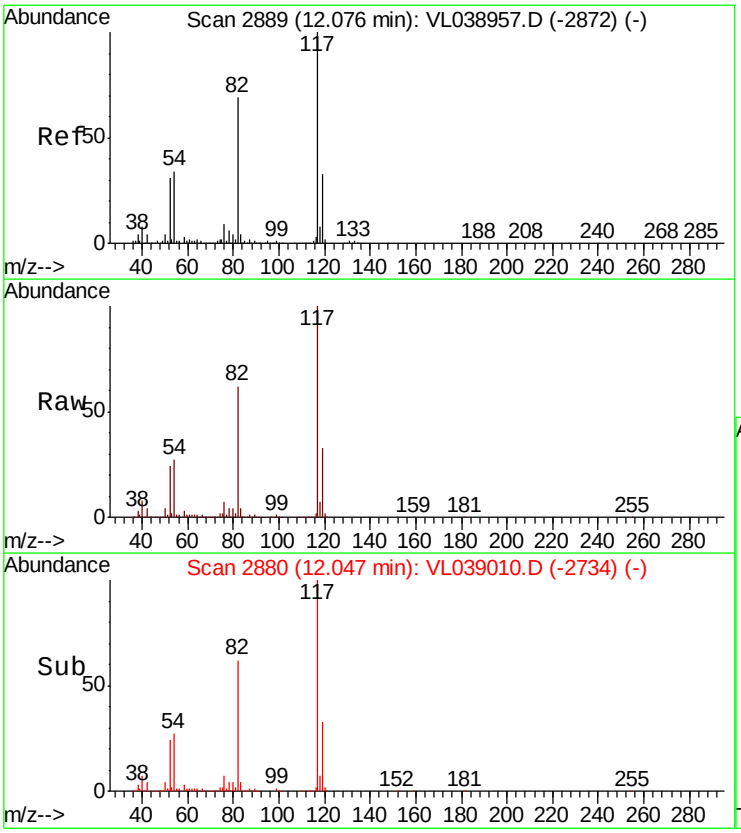
#53
Toluene
Concen: 1.916 ppbv
RT: 9.77
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 539586

Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.2	72.2

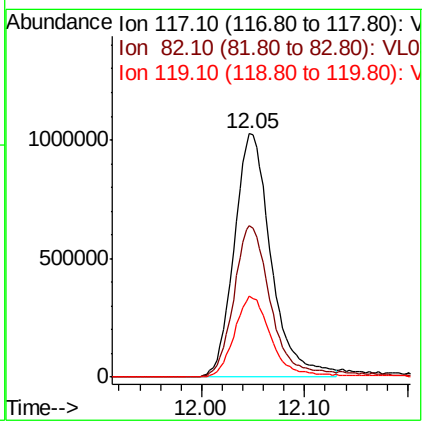


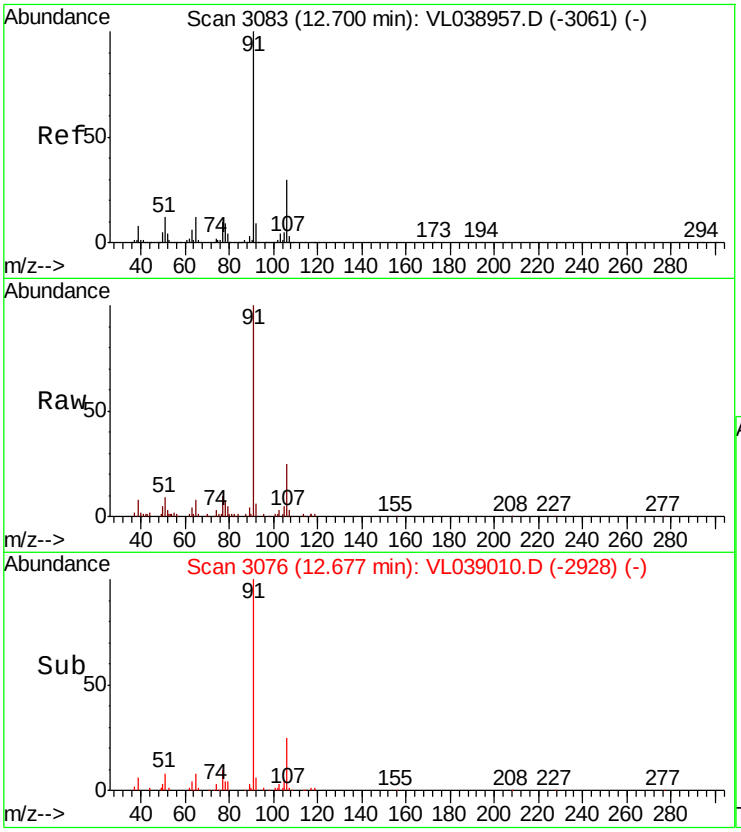


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2880
Delta R.T. -0.03 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion:117 Resp: 2561650

Ion	Ratio	Lower	Upper
117	100		
82	65.2	57.0	85.6
119	33.0	27.2	40.8



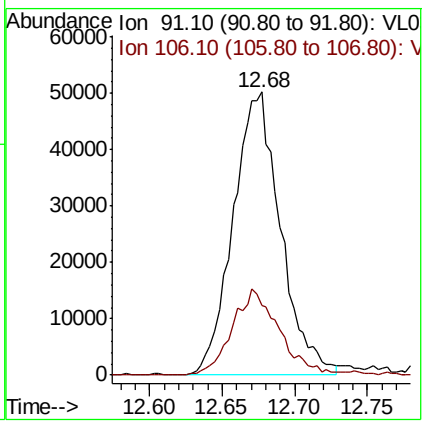


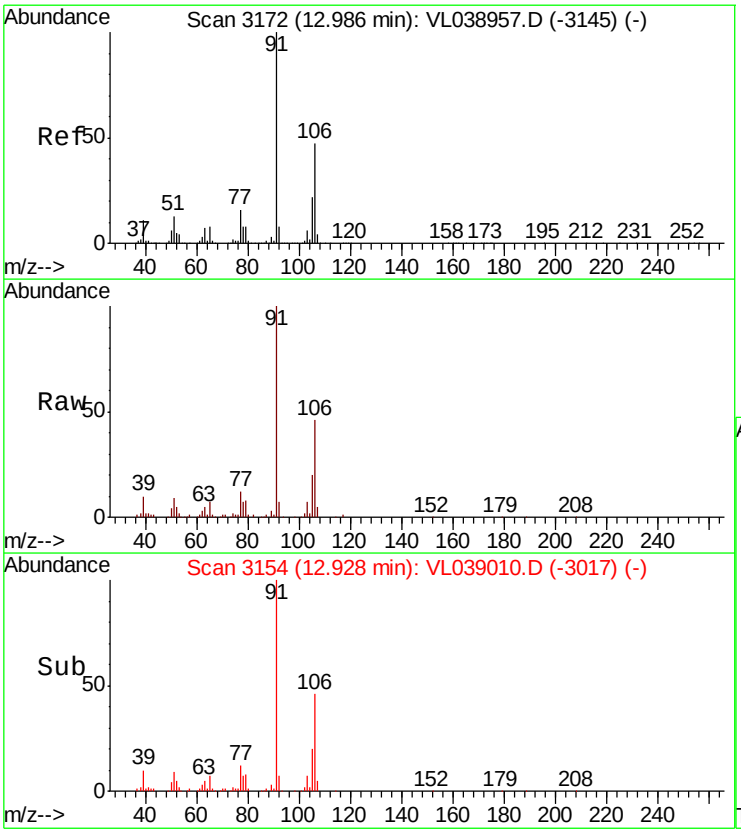
#58
Ethyl Benzene
Concen: 0.310 ppbv
RT: 12.68
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 114158

Ion	Ratio	Lower	Upper
91	100		
106	24.6	24.2	36.4

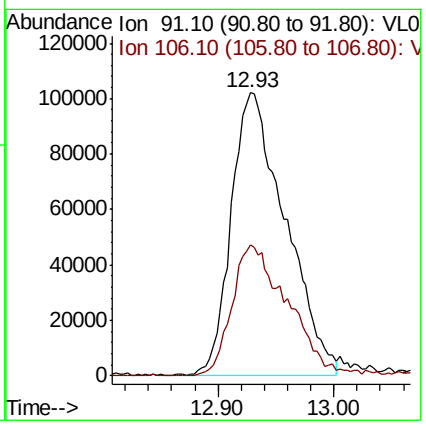


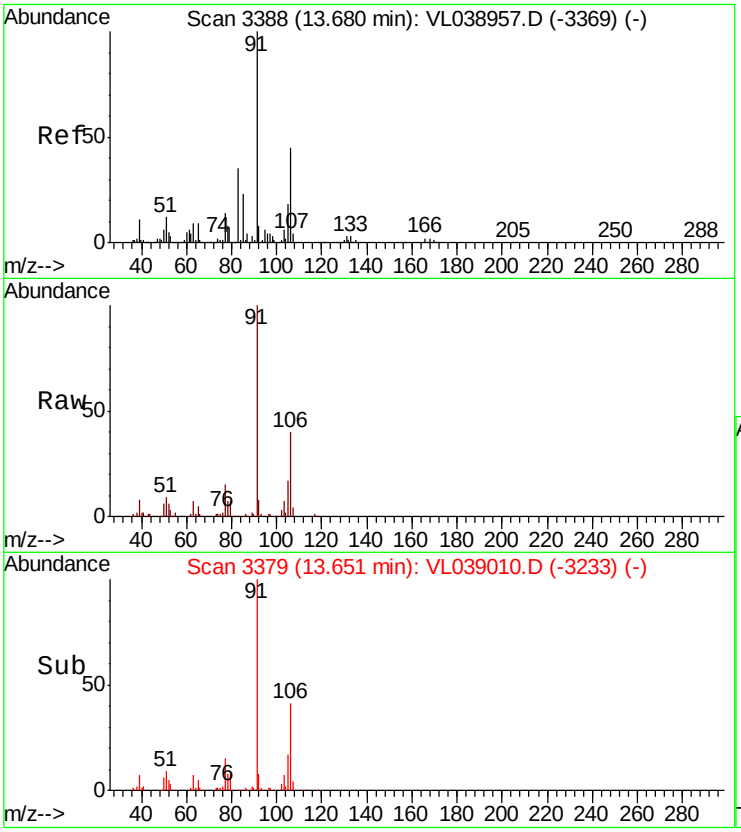


#59
m/p-Xylene
Concen: 1.047 ppbv
RT: 12.93 min Scan# 3154
Delta R.T. -0.06 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion: 91 Resp: 329568

Ion	Ratio	Lower	Upper
91	100		
106	48.4	34.6	52.0



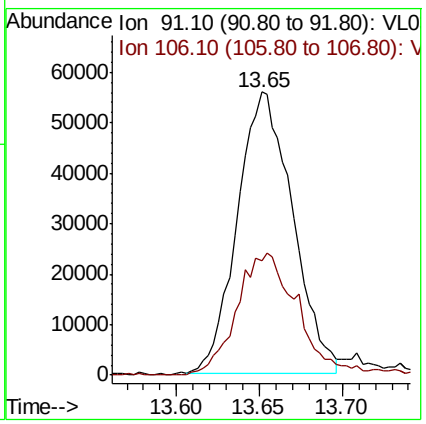


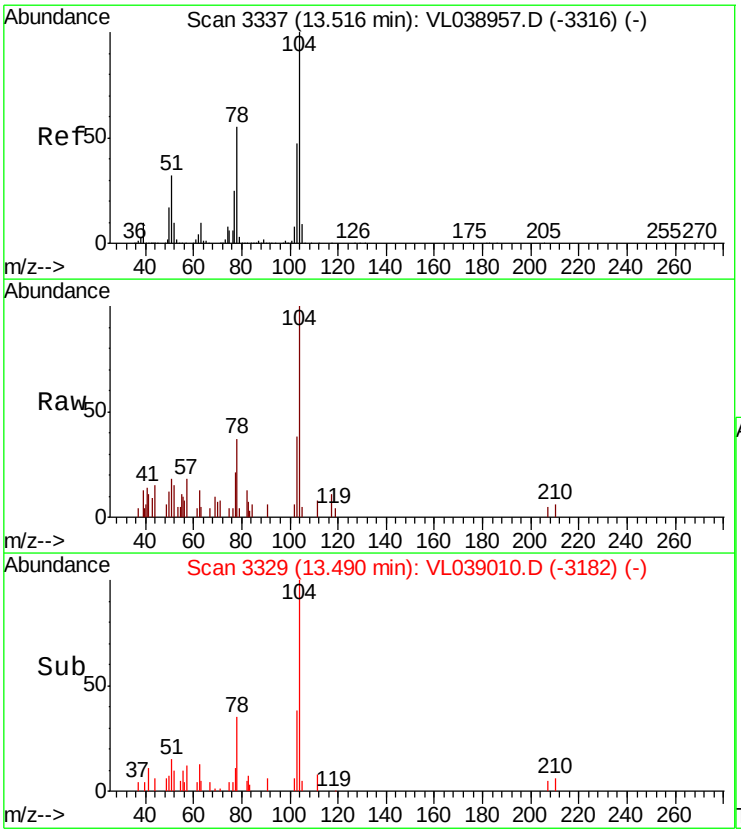
#60
o-Xylene
Concen: 0.437 ppbv
RT: 13.65
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 129436

Ion	Ratio	Lower	Upper
91	100		
106	48.7	22.2	66.6

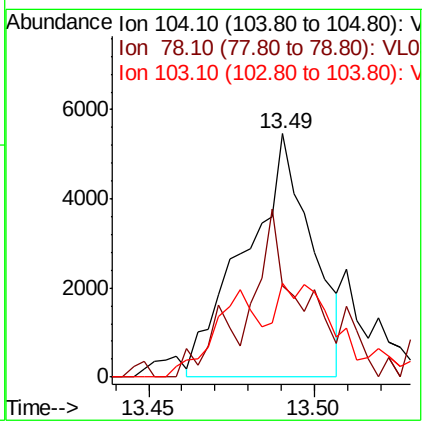


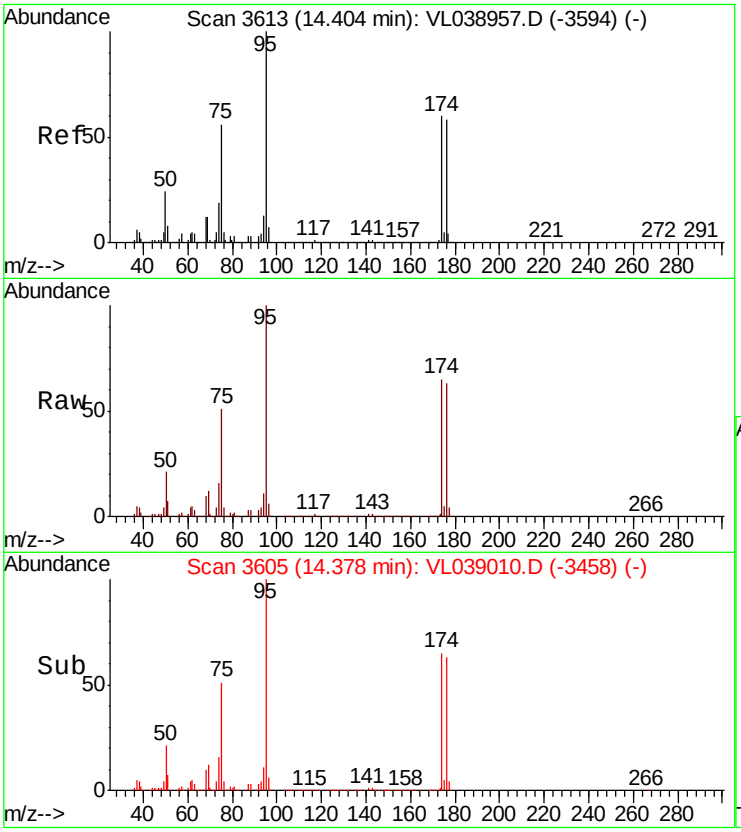


#61
Styrene
Concen: 0.048 ppbv
RT: 13.49 min Scan# 3329
Delta R.T. -0.03 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion:104 Resp: 7598

Ion	Ratio	Lower	Upper
104	100		
78	71.4	46.4	69.6#
103	61.7	39.3	58.9#



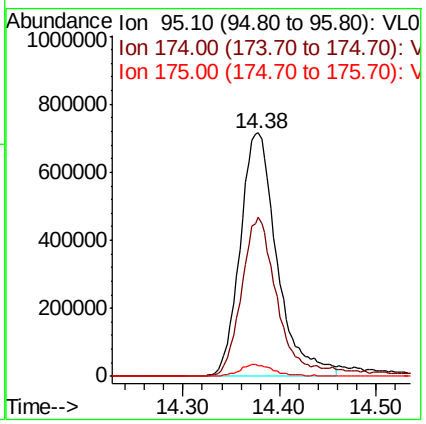


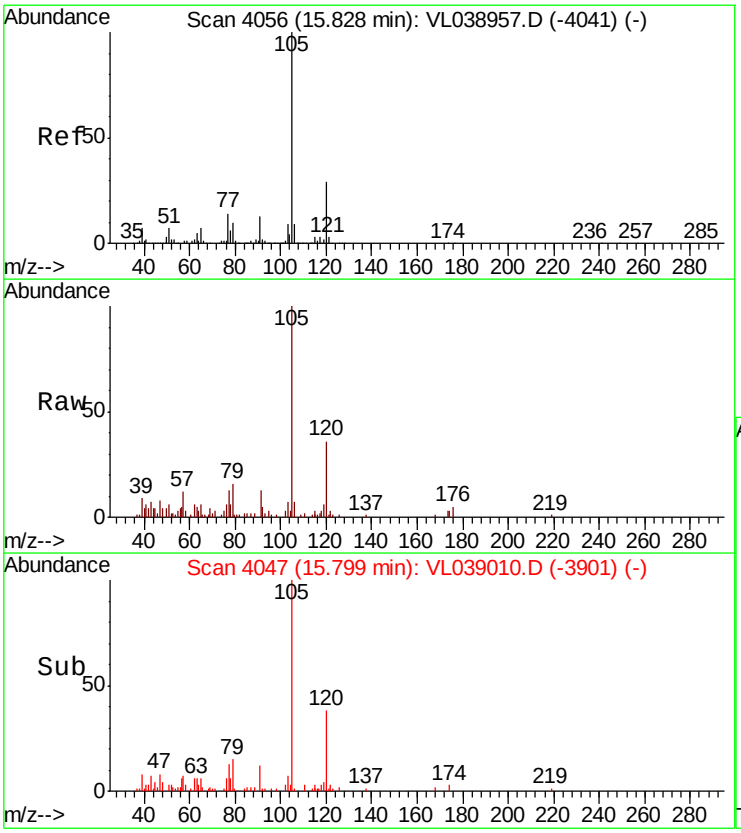
#68
1-Bromo-4-Fluorobenzene
Concen: 9.363 ppbv
RT: 14.38
Delta R.T
Lab File:
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 95 Resp: 1899480

Ion	Ratio	Lower	Upper
95	100		
174	67.1	50.8	76.2
175	4.8	3.8	5.6

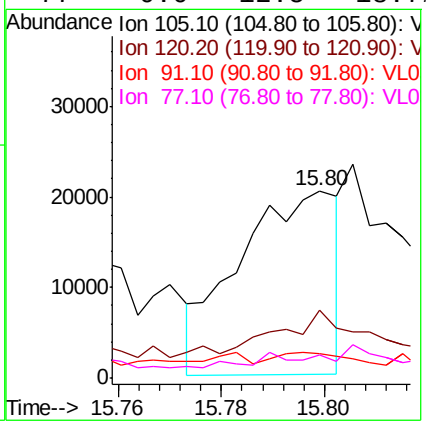


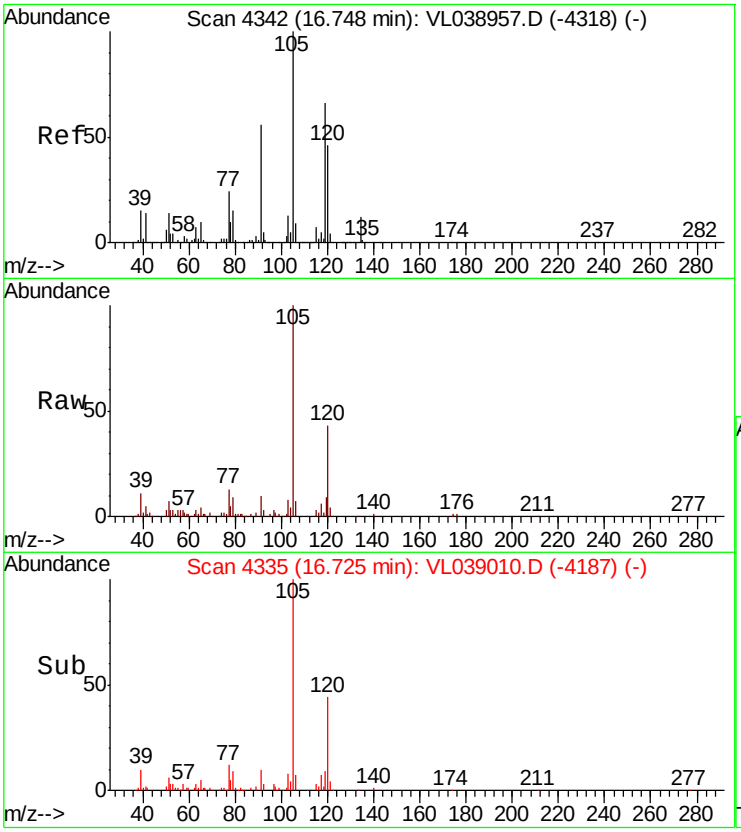


#72
4-Ethyltoluene
Concen: 0.080 ppbv
RT: 15.80 min Scan# 4047
Delta R.T. -0.03 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Tgt Ion:105 Resp: 27014

Ion	Ratio	Lower	Upper
105	100		
120	60.3	23.4	35.0#
91	0.0	10.6	16.0#
77	0.0	12.5	18.7#





#74
1,2,4-Trimethylbenzene
Concen: 0.452 ppbv
RT: 16.73
Delta R.T
Lab File:
Acq: 10 May 2022 8:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion:105 Resp: 150338

Ion	Ratio	Lower	Upper
105	100		
120	43.4	36.9	55.3
91	9.9	45.0	67.4#
77	12.5	19.2	28.8#